

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025115.D
 Acq On : 14 Jul 2025 11:25
 Operator : CG/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 14 12:33:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	454827	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	1919448	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	1308166	20.000	ng	-0.01
64) Phenanthrene-d10	16.890	188	2731732	20.000	ng	-0.02
76) Chrysene-d12	21.336	240	3007225	20.000	ng	0.00
86) Perylene-d12	24.460	264	3225041	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2998001	116.792	ng	0.00
7) Phenol-d6	6.625	99	3876842	115.732	ng	0.00
23) Nitrobenzene-d5	8.566	82	2506354	86.840	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	2150027	139.126	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	6960376	82.427	ng	-0.01
79) Terphenyl-d14	19.672	244	11974433	87.514	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.120	88	73741	7.388	ng	97
3) Pyridine	3.496	79	190539	6.972	ng	98
4) n-Nitrosodimethylamine	3.408	42	81455	7.040	ng	# 96
6) Aniline	6.784	93	314817	10.059	ng	99
8) 2-Chlorophenol	7.008	128	217258	7.565	ng	99
9) Benzaldehyde	6.596	77	179271	10.247	ng	98
10) Phenol	6.649	94	251443	7.387	ng	97
11) bis(2-Chloroethyl)ether	6.884	93	193494	7.387	ng	97
12) 1,3-Dichlorobenzene	7.325	146	250412	7.790	ng	100
13) 1,4-Dichlorobenzene	7.472	146	254422	7.818	ng	99
14) 1,2-Dichlorobenzene	7.778	146	244783	7.819	ng	99
15) Benzyl Alcohol	7.666	79	169727	7.591	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.961	45	253113	7.431	ng	99
17) 2-Methylphenol	7.872	107	165887	7.566	ng	99
18) Hexachloroethane	8.490	117	84886	8.007	ng	95
19) n-Nitroso-di-n-propyla...	8.231	70	153904	7.747	ng	98
20) 3+4-Methylphenols	8.190	107	223714	7.285	ng	99
22) Acetophenone	8.243	105	332115	7.316	ng	# 98
24) Nitrobenzene	8.608	77	229090	7.793	ng	97
25) Isophorone	9.125	82	429174	7.957	ng	100
26) 2-Nitrophenol	9.308	139	92040	9.310	ng	97
27) 2,4-Dimethylphenol	9.378	122	204400	10.159	ng	99
28) bis(2-Chloroethoxy)met...	9.613	93	273570	7.470	ng	100
29) 2,4-Dichlorophenol	9.831	162	195503	7.008	ng	99
30) 1,2,4-Trichlorobenzene	10.049	180	233296	7.551	ng	97
31) Naphthalene	10.225	128	711328	7.197	ng	99
32) Benzoic acid	9.437	122	86840	9.965	ng	94
33) 4-Chloroaniline	10.337	127	298864	8.103	ng	99
34) Hexachlorobutadiene	10.531	225	136803	7.716	ng	100
35) Caprolactam	11.090	113	65163	6.827	ng	97
36) 4-Chloro-3-methylphenol	11.472	107	200203	6.867	ng	98
37) 2-Methylnaphthalene	11.860	142	469285	6.729	ng	100
38) 1-Methylnaphthalene	12.078	142	495258	7.282	ng	100
40) 1,2,4,5-Tetrachloroben...	12.231	216	270840	7.204	ng	100
41) Hexachlorocyclopentadiene	12.225	237	125535	12.783	ng	98
43) 2,4,6-Trichlorophenol	12.484	196	161810	7.108	ng	98

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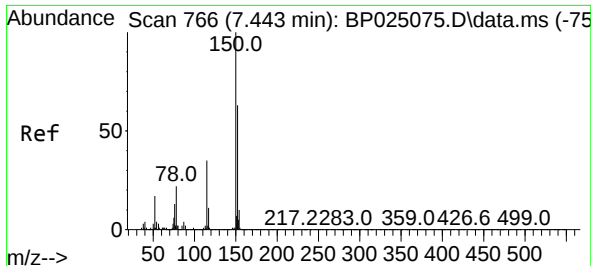
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.549	196	183216	7.101	ng	97
46) 1,1'-Biphenyl	12.896	154	698691	7.341	ng	100
47) 2-Chloronaphthalene	12.931	162	529860	7.407	ng	99
48) 2-Nitroaniline	13.137	65	113448	8.865	ng	99
49) Acenaphthylene	13.796	152	854204	7.802	ng	100
50) Dimethylphthalate	13.549	163	678651	7.411	ng	100
51) 2,6-Dinitrotoluene	13.649	165	126487	7.082	ng	96
52) Acenaphthene	14.148	154	505426m	7.162	ng	
53) 3-Nitroaniline	13.978	138	145127	7.583	ng	99
54) 2,4-Dinitrophenol	14.190	184	47976	10.512	ng	95
55) Dibenzofuran	14.490	168	842008	7.230	ng	100
56) 4-Nitrophenol	14.301	139	116305	6.585	ng	98
57) 2,4-Dinitrotoluene	14.448	165	172377	8.852	ng	93
58) Fluorene	15.148	166	677806	7.524	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.719	232	168148	7.197	ng	98
60) Diethylphthalate	14.948	149	686322	7.462	ng	99
61) 4-Chlorophenyl-phenyle...	15.154	204	338028	7.582	ng	98
62) 4-Nitroaniline	15.154	138	147976	7.373	ng	98
63) Azobenzene	15.460	77	569058	6.948	ng	98
65) 4,6-Dinitro-2-methylph...	15.231	198	70714	10.606	ng	97
66) n-Nitrosodiphenylamine	15.384	169	582976	7.457	ng	98
67) 4-Bromophenyl-phenylether	16.084	248	212298	7.590	ng	98
68) Hexachlorobenzene	16.184	284	263211	7.699	ng	98
69) Atrazine	16.372	200	207844	9.073	ng	99
70) Pentachlorophenol	16.531	266	140426	6.082	ng	99
71) Phenanthrene	16.931	178	1101311	7.545	ng	99
72) Anthracene	17.042	178	1081307	7.722	ng	99
73) Carbazole	17.313	167	1024033	7.479	ng	99
74) Di-n-butylphthalate	17.948	149	1157034	7.588	ng	100
75) Fluoranthene	19.042	202	1270064	7.444	ng	99
77) Benzidine	19.254	184	524927	9.883	ng	98
78) Pyrene	19.419	202	1360792	7.306	ng	99
80) Butylbenzylphthalate	20.425	149	475015	9.793	ng	99
81) Benzo(a)anthracene	21.319	228	1388625	7.620	ng	99
82) 3,3'-Dichlorobenzidine	21.242	252	433725	7.906	ng	99
83) Chrysene	21.383	228	1314495	7.495	ng	98
84) Bis(2-ethylhexyl)phtha...	21.319	149	775725	7.936	ng	99
85) Di-n-octyl phthalate	22.530	149	1136681	11.635	ng	99
87) Indeno(1,2,3-cd)pyrene	27.965	276	1497148m	7.287	ng	
88) Benzo(b)fluoranthene	23.477	252	1286779	6.855	ng	99
89) Benzo(k)fluoranthene	23.548	252	1349512	7.225	ng	99
90) Benzo(a)pyrene	24.313	252	1206015	7.549	ng	99
91) Dibenzo(a,h)anthracene	28.060	278	1226816	7.224	ng	98
92) Benzo(g,h,i)perylene	29.048	276	1238591	7.060	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



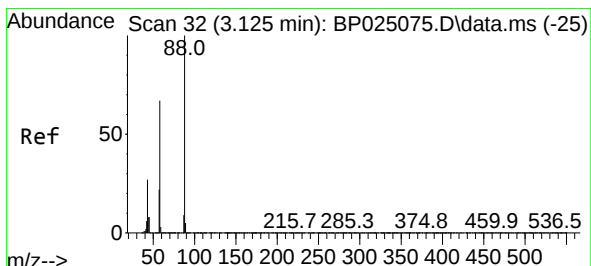
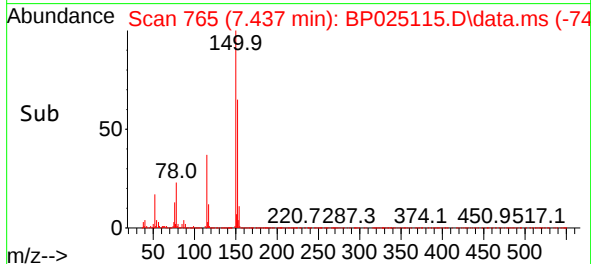
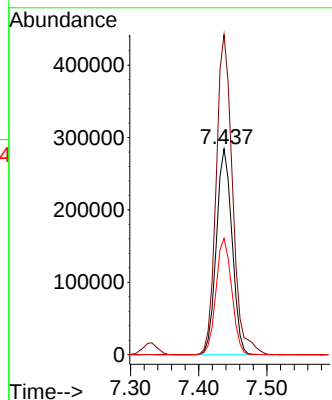
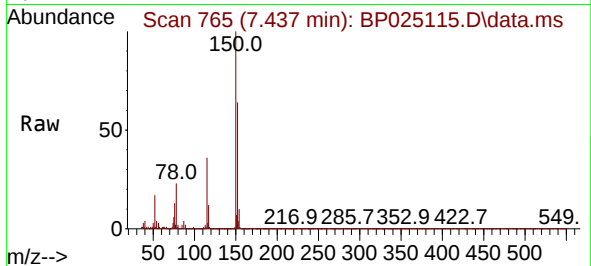
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:152 Resp: 45482
Ion Ratio Lower Upper
152 100
150 155.5 126.1 189.1
115 56.6 44.3 66.5

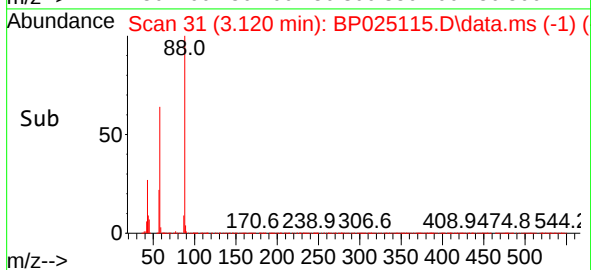
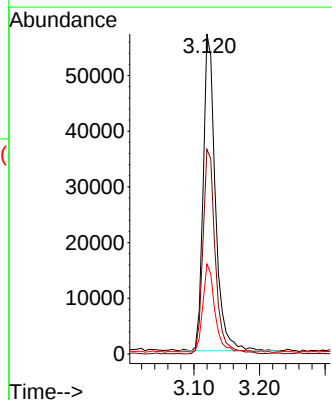
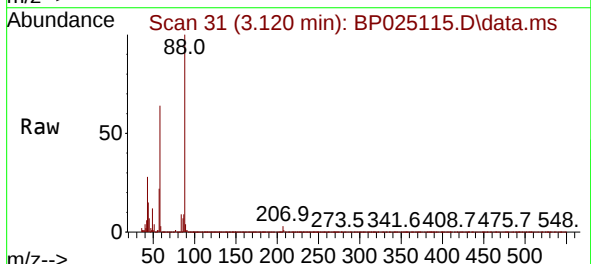
Manual Integrations
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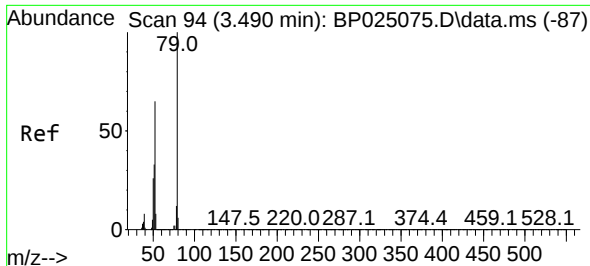
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#2
1,4-Dioxane
Concen: 7.388 ng
RT: 3.120 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

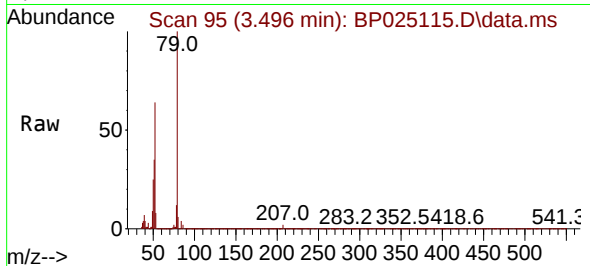
Tgt Ion: 88 Resp: 73741
Ion Ratio Lower Upper
88 100
58 65.8 55.0 82.4
43 26.6 21.9 32.9





#3
 Pyridine
 Concen: 6.972 ng
 RT: 3.496 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

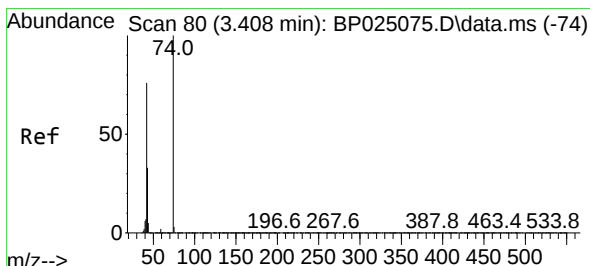
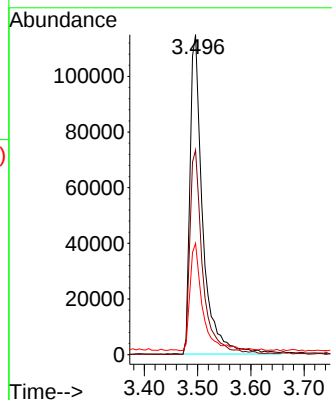
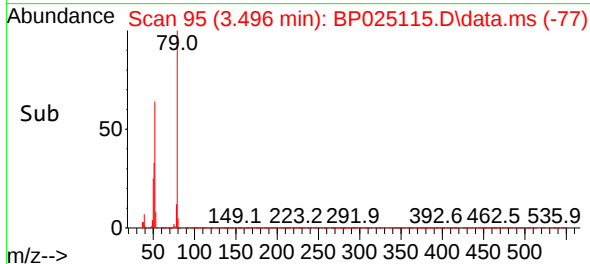
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion: 79 Resp: 190539
 Ion Ratio Lower Upper
 79 100
 52 63.9 52.2 78.4
 51 34.8 26.8 40.2

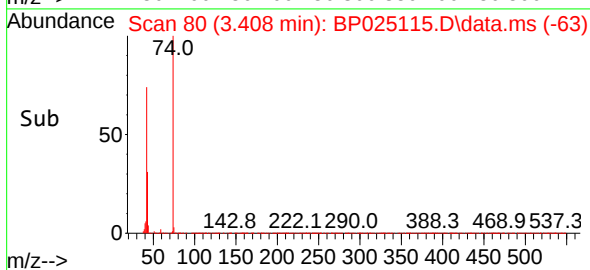
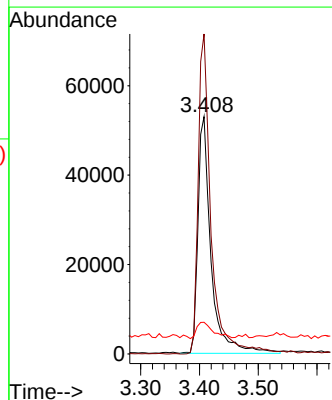
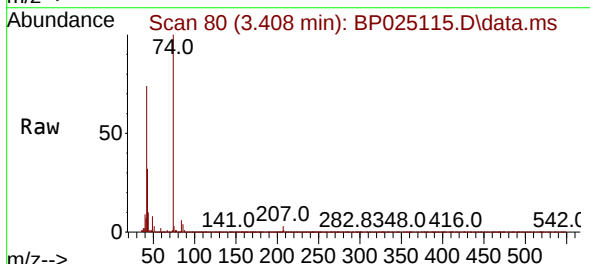
Manual Integrations
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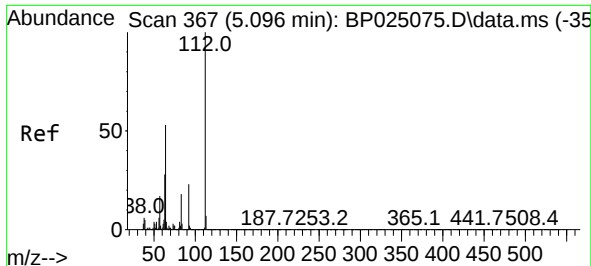
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 Supervised By :Jagrut Upadhyay 07/15/2025



#4
 n-Nitrosodimethylamine
 Concen: 7.040 ng
 RT: 3.408 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

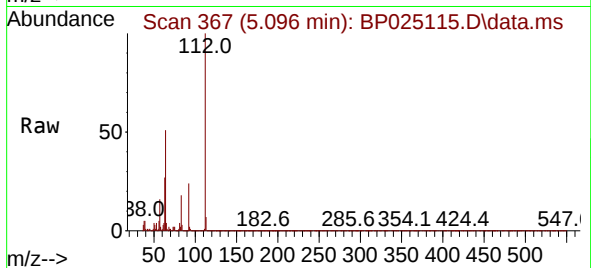
Tgt Ion: 42 Resp: 81455
 Ion Ratio Lower Upper
 42 100
 74 134.9 105.2 157.8
 44 13.4 6.6 9.8





#5
2-Fluorophenol
Concen: 116.792 ng
RT: 5.096 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

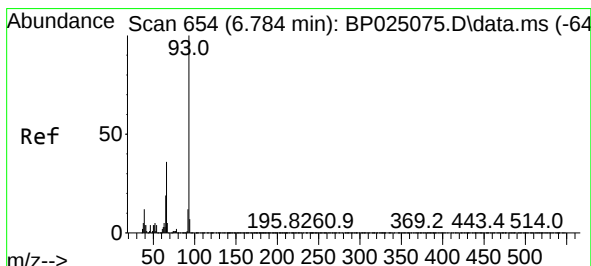
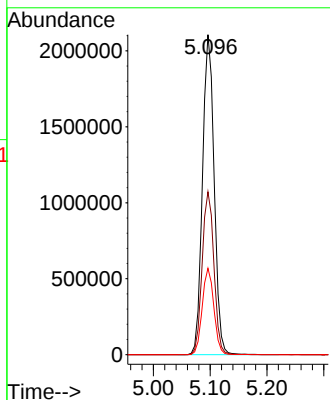
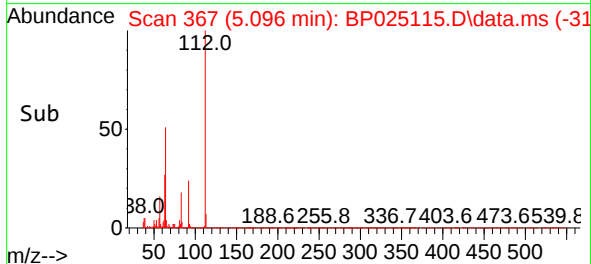
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2025



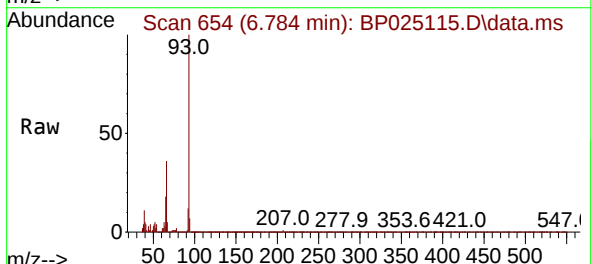
Tgt Ion:112 Resp: 299800
Ion Ratio Lower Upper
112 100
64 50.9 42.0 63.0
63 27.0 22.2 33.2

Manual Integrations
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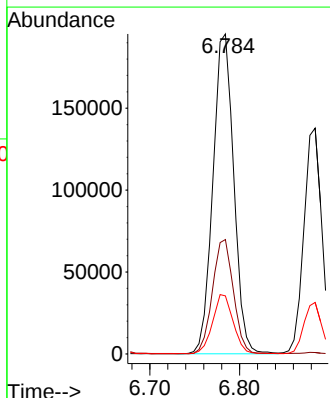
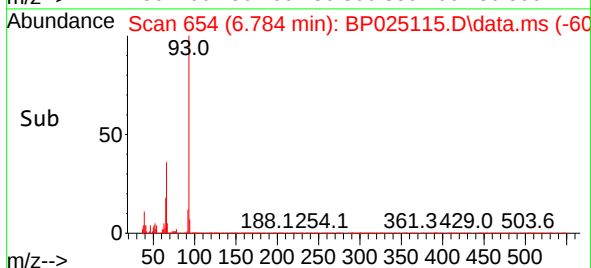
Reviewed By :Rahul Chavli 07/15/2025
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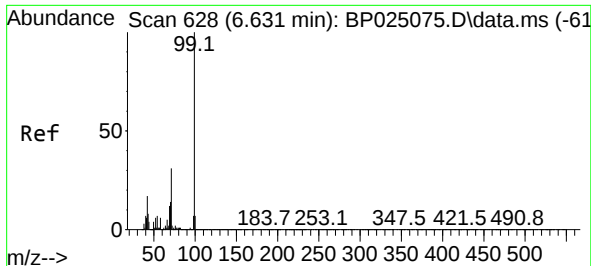


#6
Aniline
Concen: 10.059 ng
RT: 6.784 min Scan# 654
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



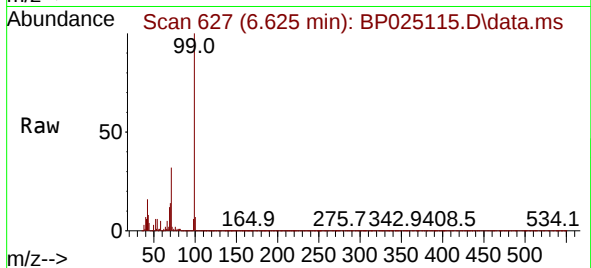
Tgt Ion: 93 Resp: 314817
Ion Ratio Lower Upper
93 100
66 35.8 28.9 43.3
65 18.2 15.2 22.8





#7
Phenol-d6
Concen: 115.732 ng
RT: 6.625 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

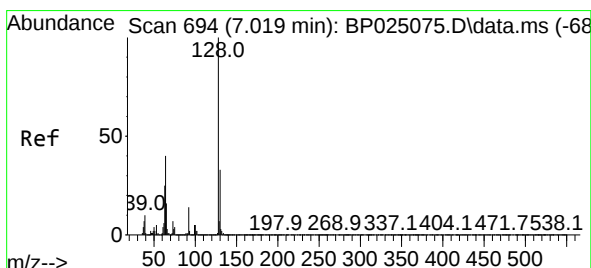
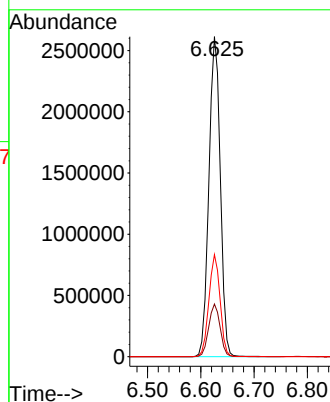
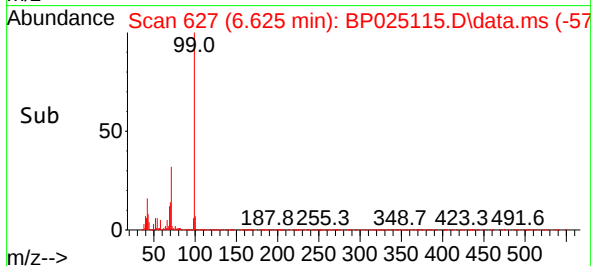
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Tgt Ion: 99 Resp: 387684
Ion Ratio Lower Upper
99 100
42 16.5 13.6 20.4
71 31.9 24.4 36.6

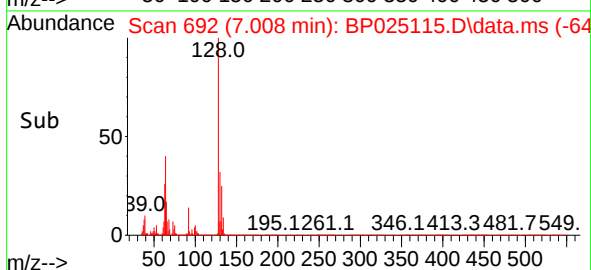
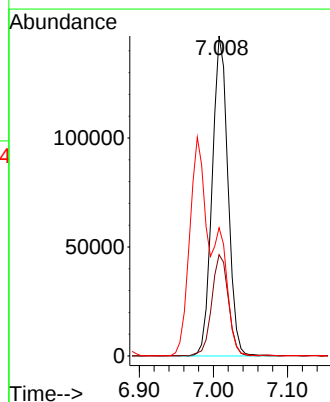
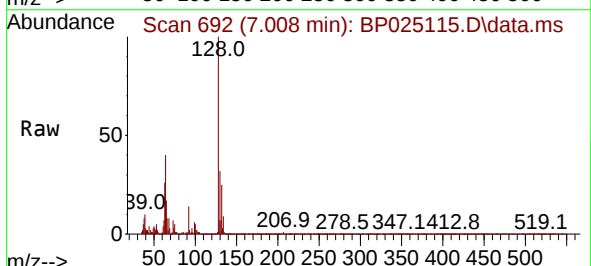
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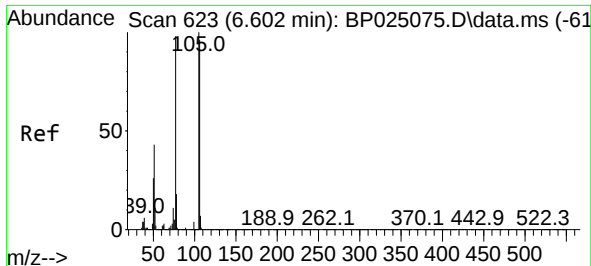
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#8
2-Chlorophenol
Concen: 7.565 ng
RT: 7.008 min Scan# 692
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

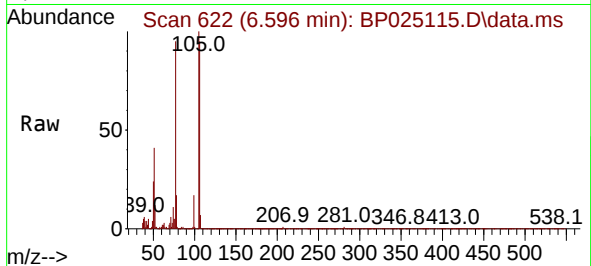
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Ion Ratio Lower Upper
128 100
130 31.6 12.9 52.9
64 40.1 20.3 60.3





#9
Benzaldehyde
Concen: 10.247 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025115.D
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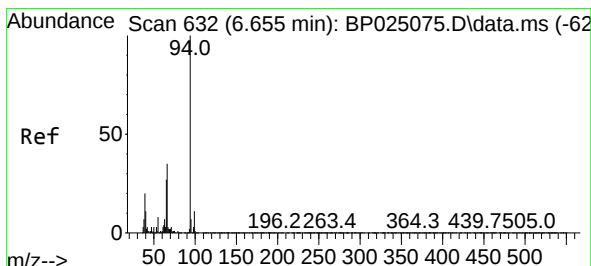
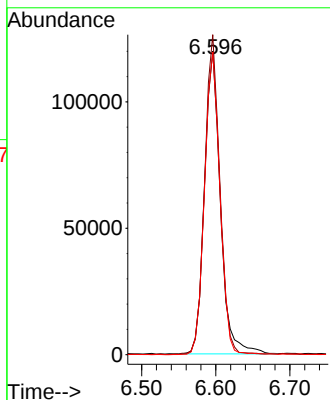
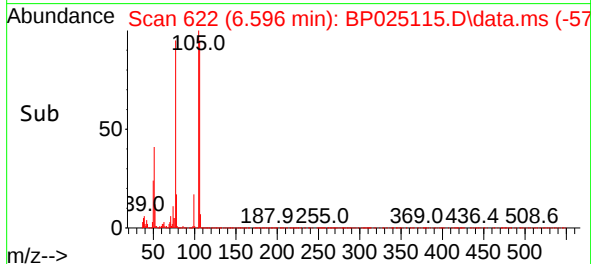
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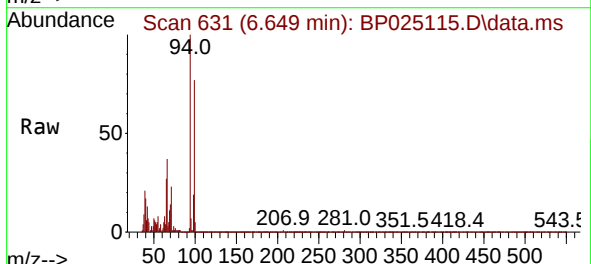
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106 99.7 78.3 118.3

Manual Integrations
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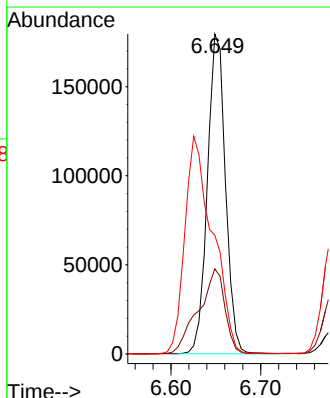
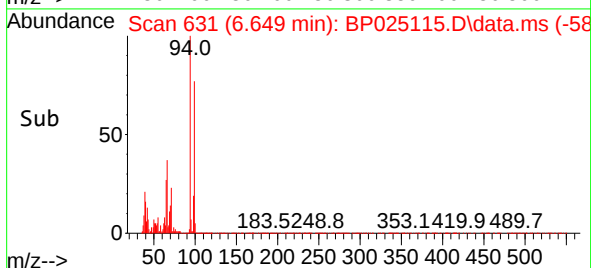
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

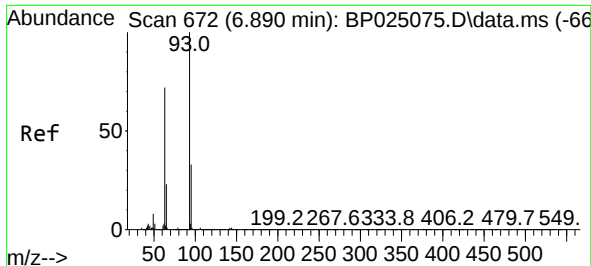


#10
Phenol
Concen: 7.387 ng
RT: 6.649 min Scan# 631
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



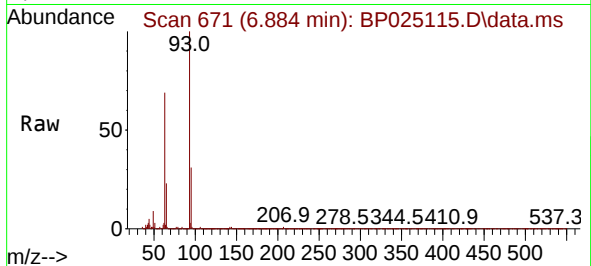
Tgt Ion: 94 Resp: 251443
Ion Ratio Lower Upper
94 100
65 26.6 6.9 46.9
66 37.1 14.6 54.6





#11
bis(2-Chloroethyl)ether
Concen: 7.387 ng
RT: 6.884 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

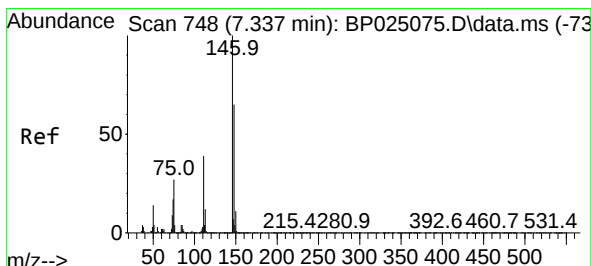
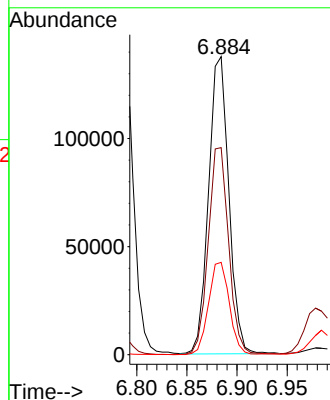
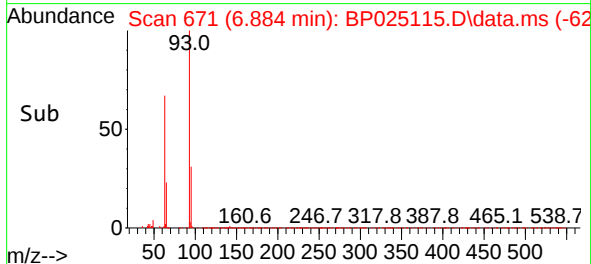
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



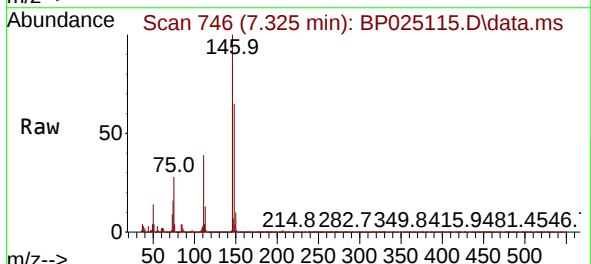
Tgt Ion: 93 Resp: 193494
Ion Ratio Lower Upper
93 100
63 69.4 51.9 91.9
95 31.0 12.4 52.4

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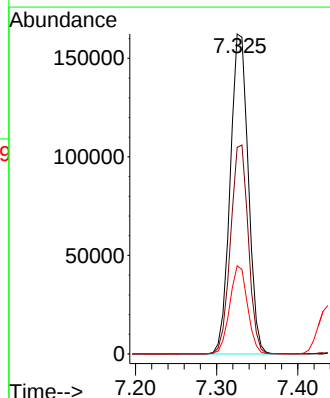
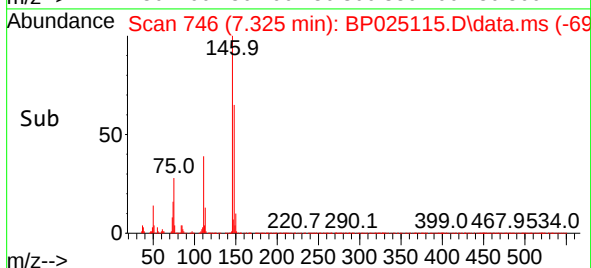
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

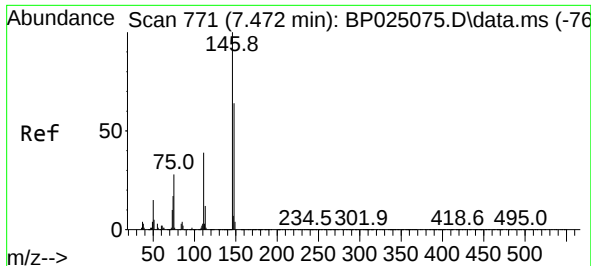


#12
1,3-Dichlorobenzene
Concen: 7.790 ng
RT: 7.325 min Scan# 746
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



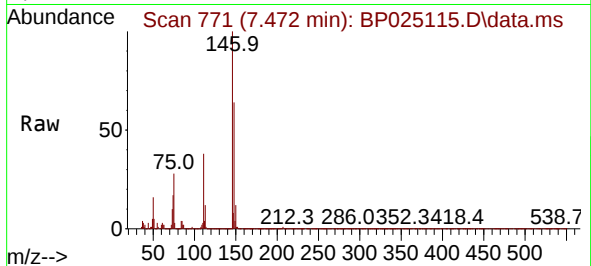
Tgt Ion:146 Resp: 250412
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
75 27.6 21.8 32.6





#13
1,4-Dichlorobenzene
Concen: 7.818 ng
RT: 7.472 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

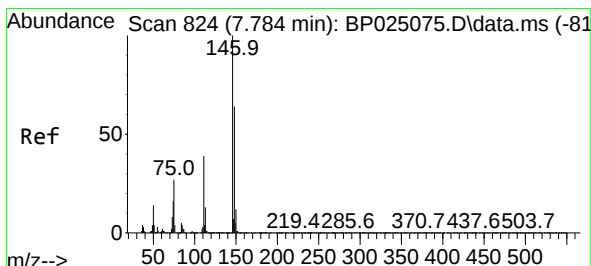
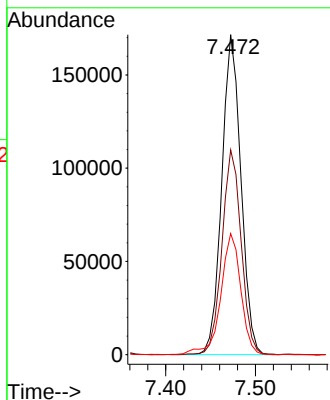
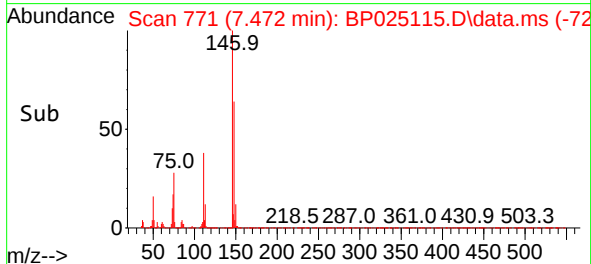
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



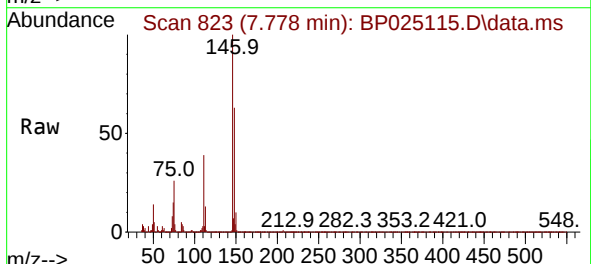
Tgt Ion:146 Resp: 25442
Ion Ratio Lower Upper
146 100
148 64.0 51.1 76.7
111 37.8 31.2 46.8

Manual Integrations
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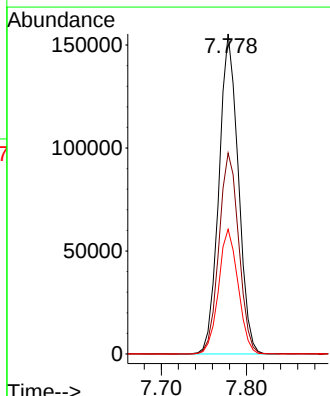
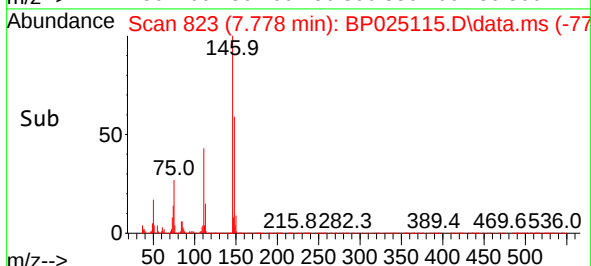
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

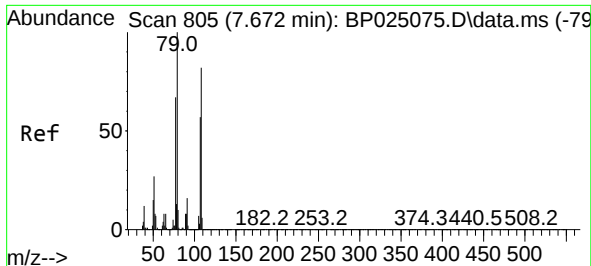


#14
1,2-Dichlorobenzene
Concen: 7.819 ng
RT: 7.778 min Scan# 823
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



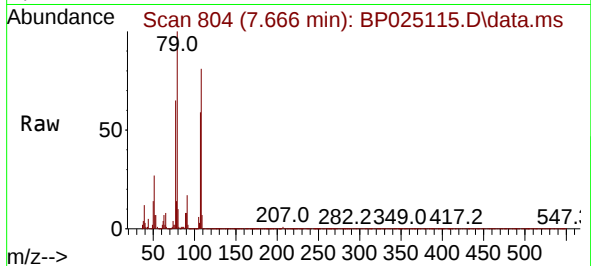
Tgt Ion:146 Resp: 244783
Ion Ratio Lower Upper
146 100
148 62.8 51.1 76.7
111 39.0 31.2 46.8





#15
Benzyl Alcohol
Concen: 7.591 ng
RT: 7.666 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

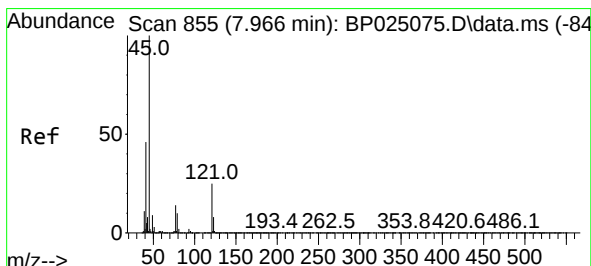
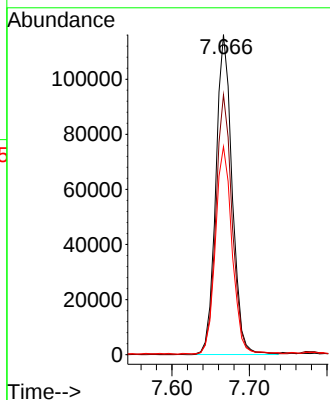
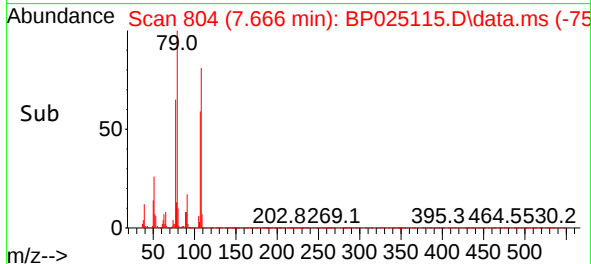
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 79 Resp: 16972
Ion Ratio Lower Upper
79 100
108 81.2 66.0 99.0
77 65.0 53.4 80.2

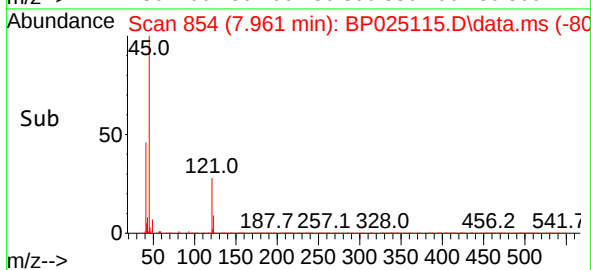
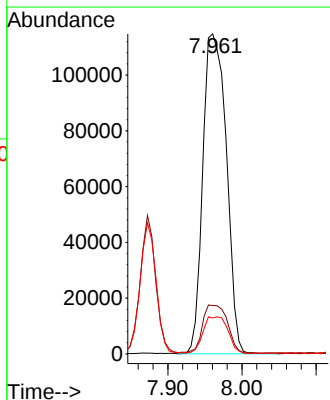
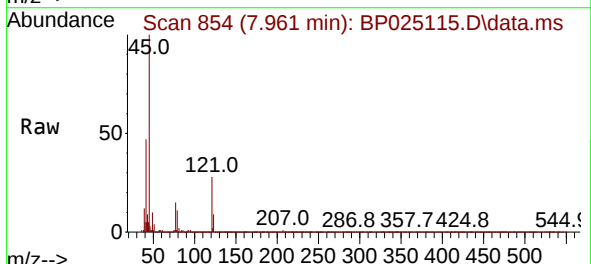
Manual Integrations
APPROVED

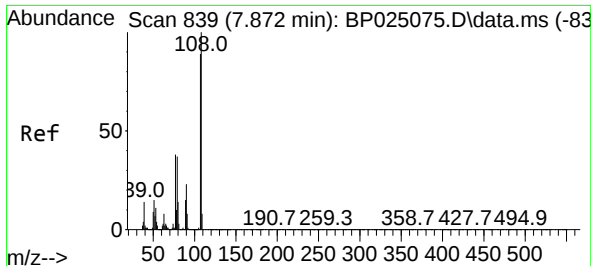
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.431 ng
RT: 7.961 min Scan# 854
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

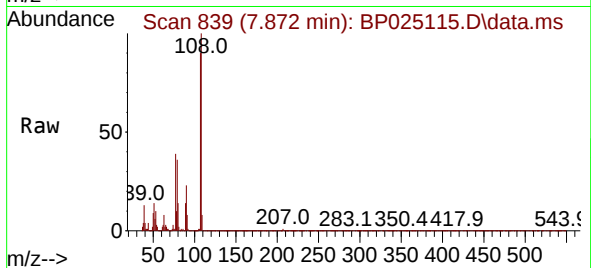
Tgt Ion: 45 Resp: 253113
Ion Ratio Lower Upper
45 100
77 15.2 0.0 34.8
79 11.3 0.0 30.7





#17
2-Methylphenol
Concen: 7.566 ng
RT: 7.872 min Scan# 839
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

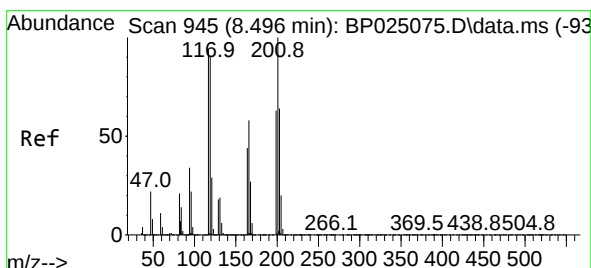
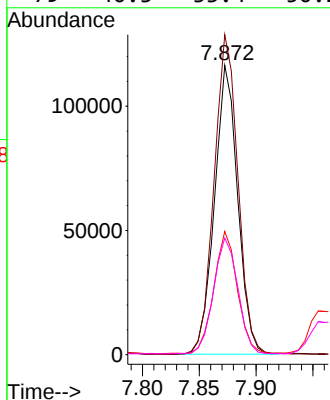
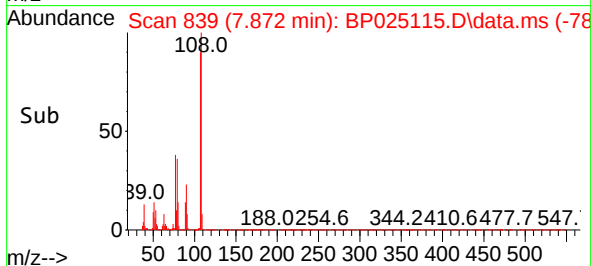


Tgt Ion:107 Resp: 16588

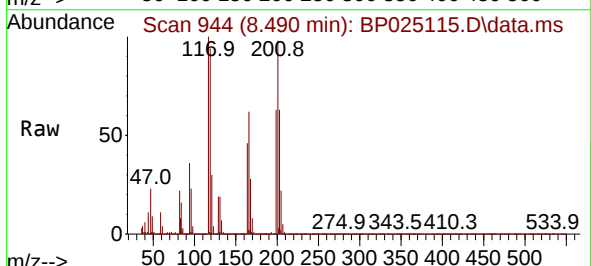
Ion	Ratio	Lower	Upper
107	100		
108	110.6	89.7	134.5
77	42.6	34.2	51.4
79	40.3	33.4	50.2

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Supervised By :Jagrut Upadhyay 07/15/2025

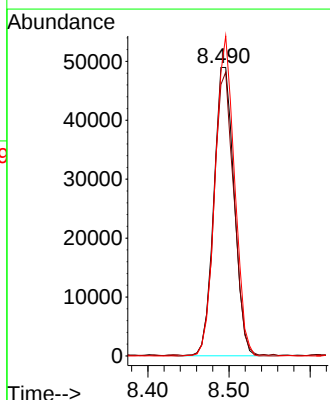
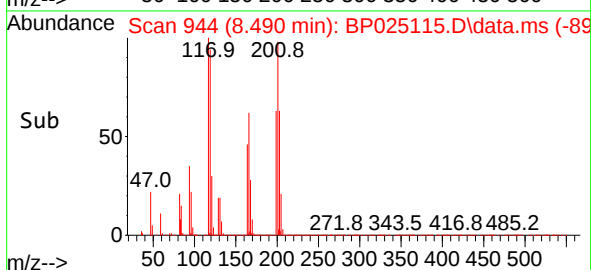


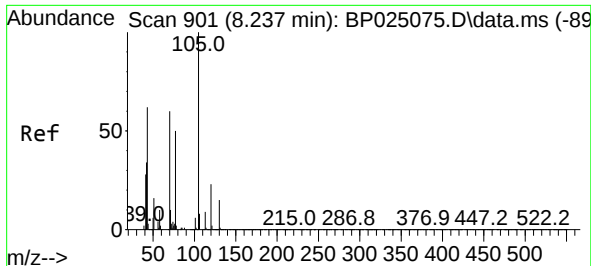
#18
Hexachloroethane
Concen: 8.007 ng
RT: 8.490 min Scan# 944
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



Tgt Ion:117 Resp: 84886

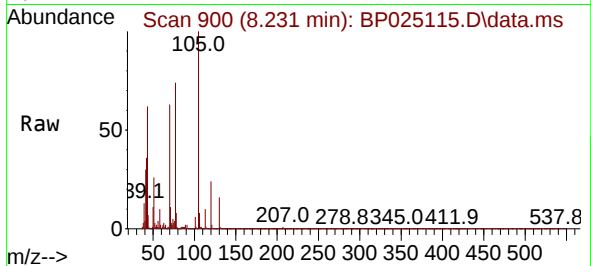
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.6	115.0
201	98.3	85.4	128.2





#19
n-Nitroso-di-n-propylamine
Concen: 7.747 ng
RT: 8.231 min Scan# 901
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

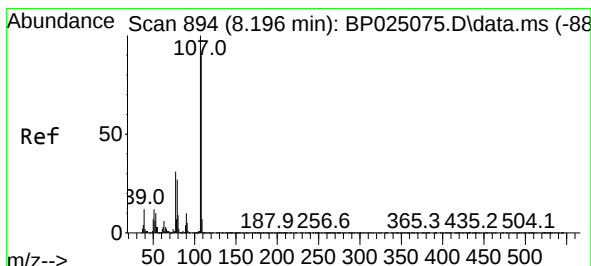
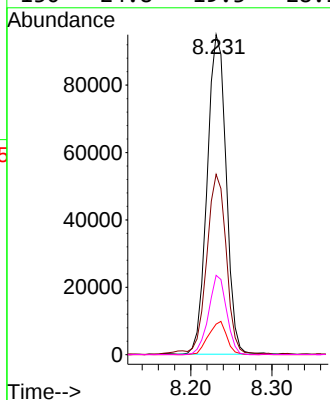
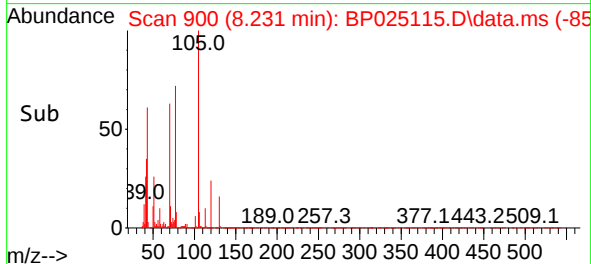
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



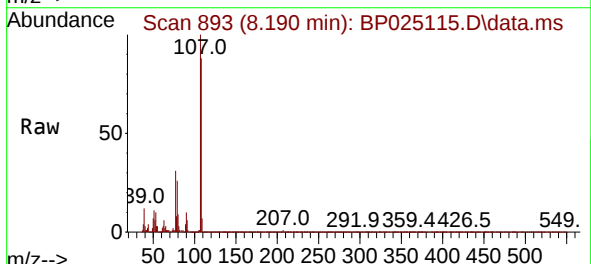
Tgt Ion: 70 Resp: 153904
Ion Ratio Lower Upper
70 100
42 56.4 46.5 69.7
101 9.6 7.9 11.9
130 24.8 19.3 28.9

Manual Integrations
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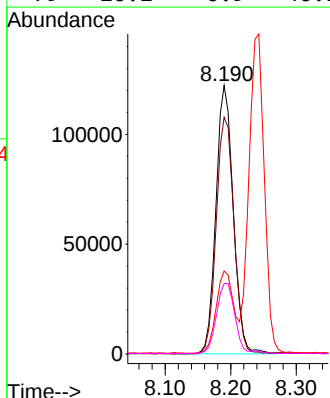
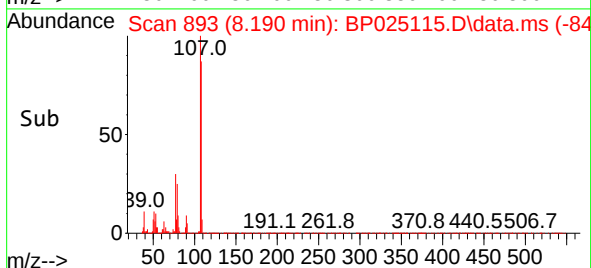
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

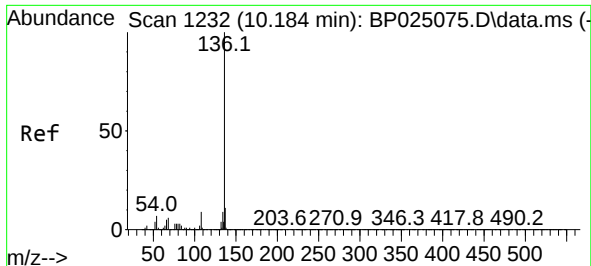


#20
3+4-Methylphenols
Concen: 7.285 ng
RT: 8.190 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



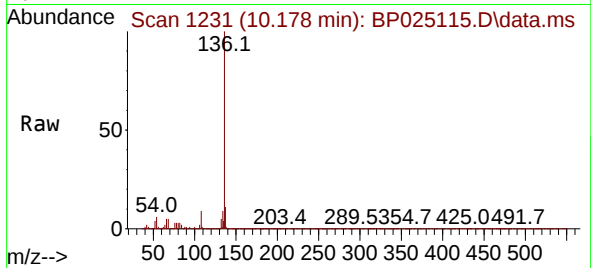
Tgt Ion:107 Resp: 223714
Ion Ratio Lower Upper
107 100
108 88.2 69.5 109.5
77 30.9 11.4 51.4
79 26.2 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

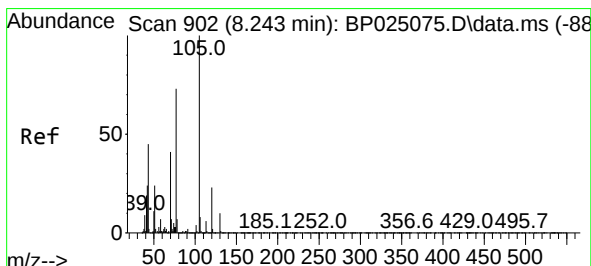
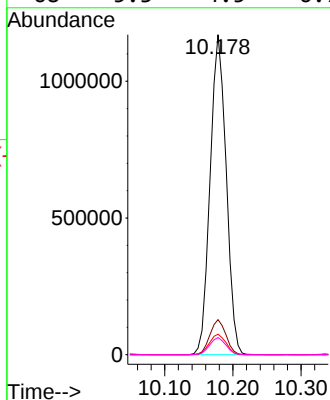
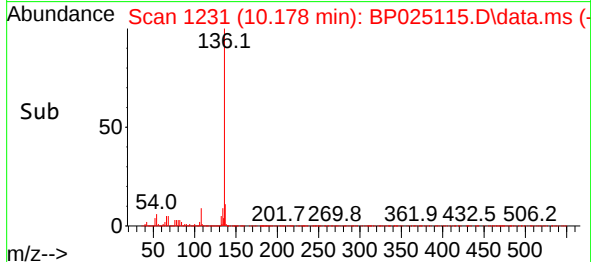
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 191944
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.4 5.4 8.2
68 5.3 4.5 6.7

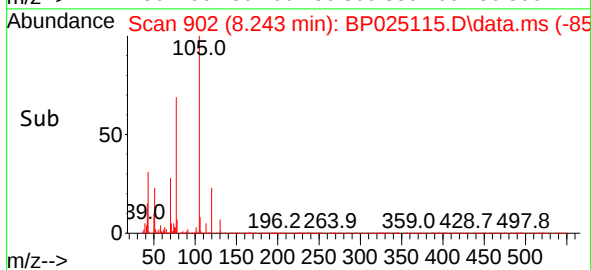
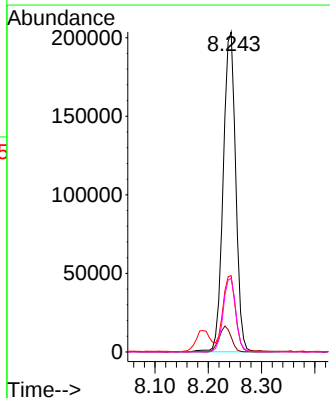
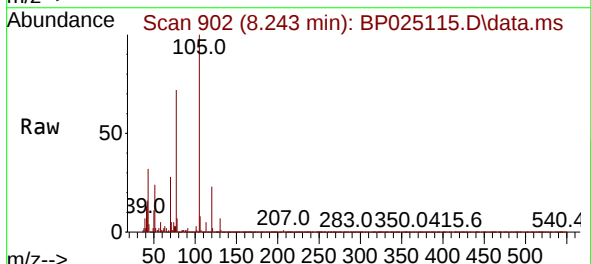
Manual Integrations
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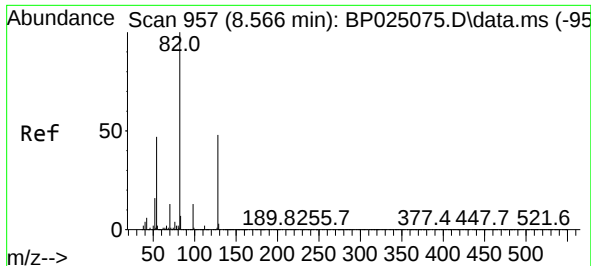
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#22
Acetophenone
Concen: 7.316 ng
RT: 8.243 min Scan# 902
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

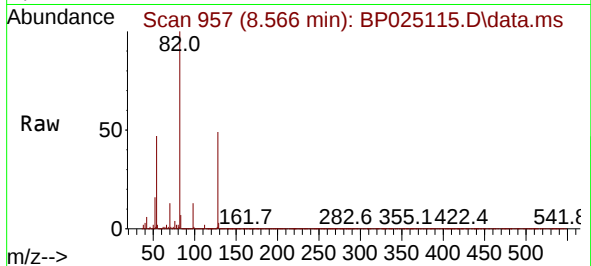
Tgt Ion:105 Resp: 332115
Ion Ratio Lower Upper
105 100
71 4.7 5.4 8.2#
51 23.8 19.6 29.4
120 23.0 18.8 28.2





#23
Nitrobenzene-d5
Concen: 86.840 ng
RT: 8.566 min Scan# 911
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

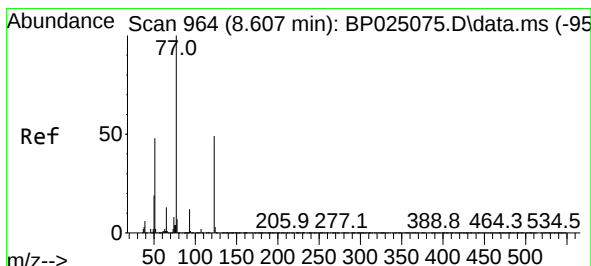
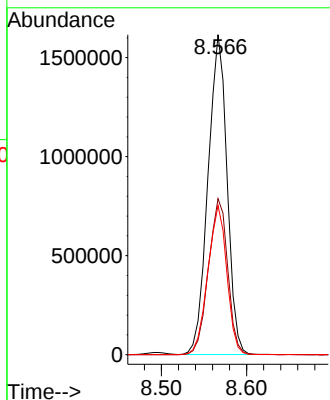
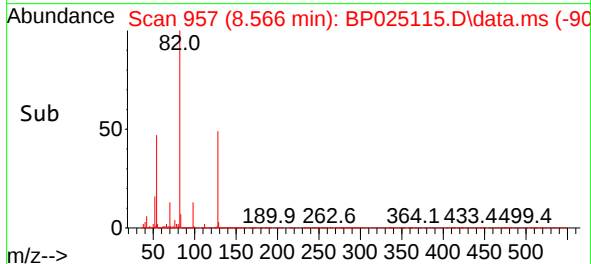
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



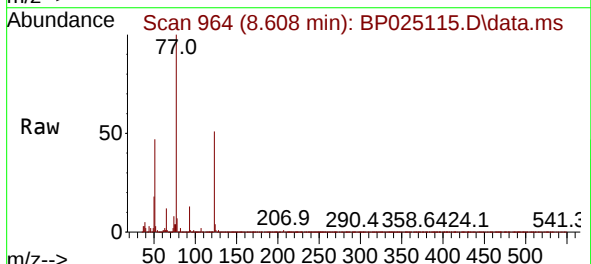
Tgt Ion: 82 Resp: 2506354
Ion Ratio Lower Upper
82 100
128 48.7 38.4 57.6
54 46.6 37.8 56.6

Manual Integrations
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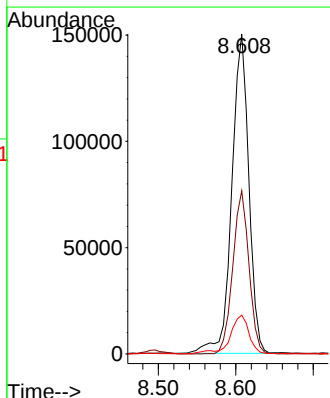
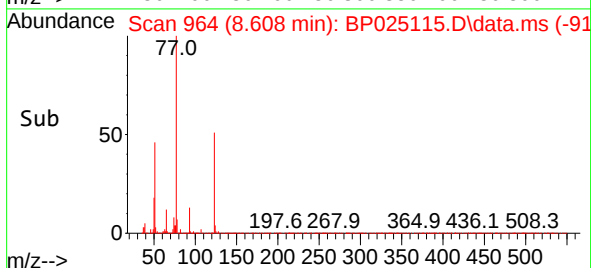
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

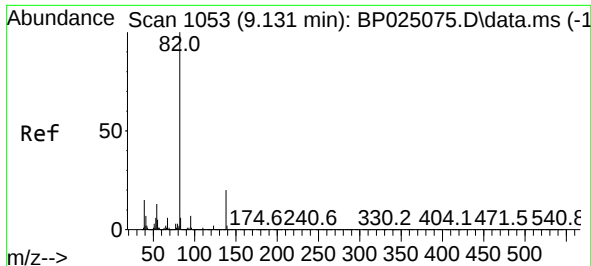


#24
Nitrobenzene
Concen: 7.793 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



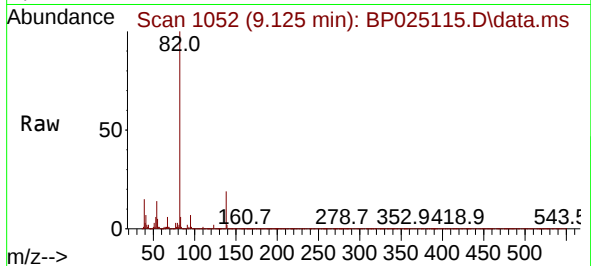
Tgt Ion: 77 Resp: 229090
Ion Ratio Lower Upper
77 100
123 51.0 39.0 58.6
65 12.2 10.7 16.1





#25
Isophorone
Concen: 7.957 ng
RT: 9.125 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

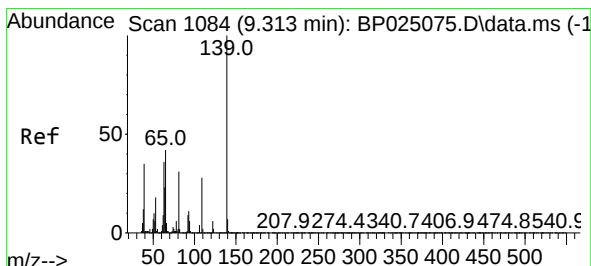
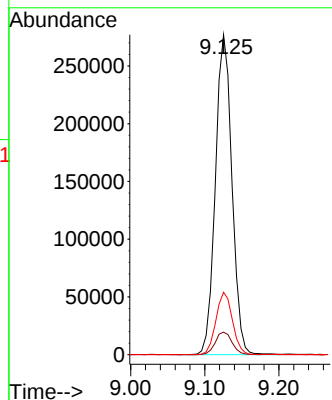
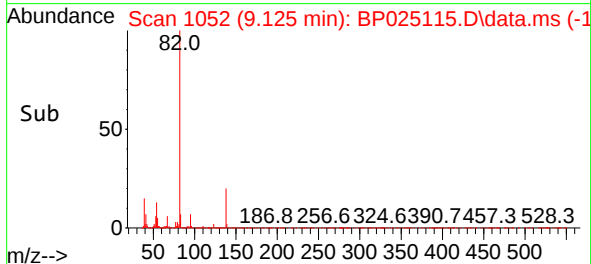
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 82 Resp: 429174
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 19.5 15.7 23.5

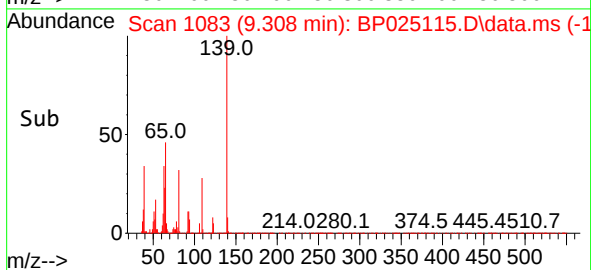
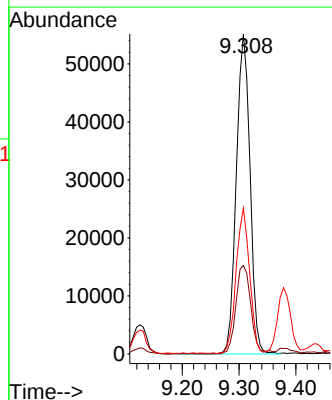
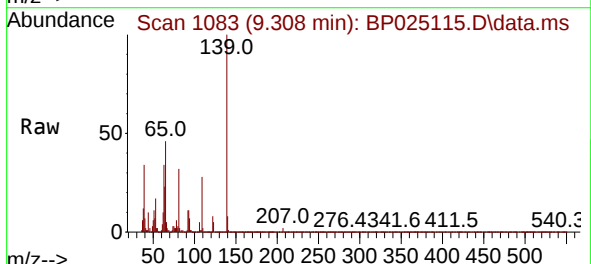
Manual Integrations
APPROVED

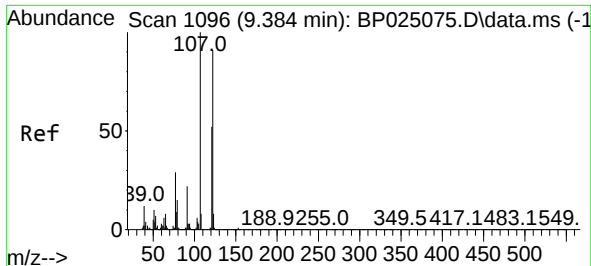
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#26
2-Nitrophenol
Concen: 9.310 ng
RT: 9.308 min Scan# 1083
Delta R.T. -0.005 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

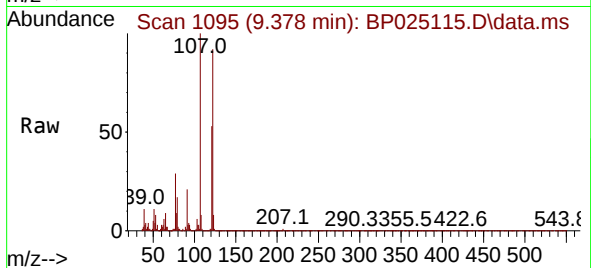
Tgt Ion:139 Resp: 92040
Ion Ratio Lower Upper
139 100
109 27.7 22.3 33.5
65 45.6 33.8 50.8





#27
2,4-Dimethylphenol
Concen: 10.159 ng
RT: 9.378 min Scan# 1095
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

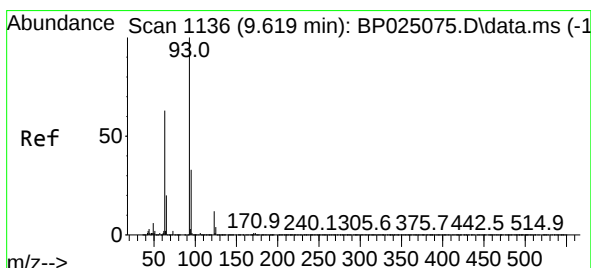
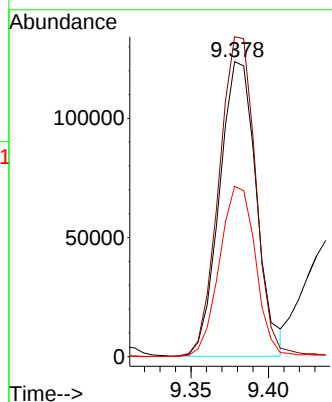
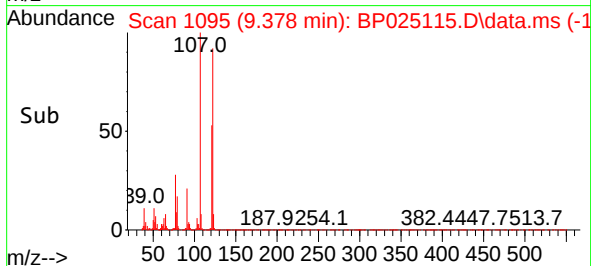
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:122 Resp: 204400
Ion Ratio Lower Upper
122 100
107 108.4 88.2 132.2
121 57.8 46.1 69.1

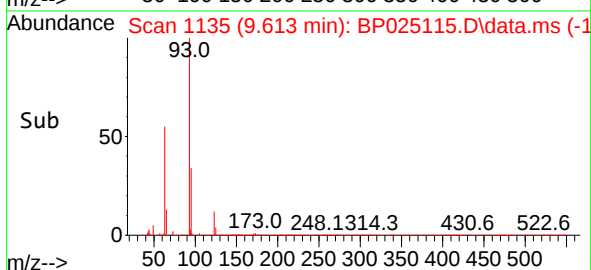
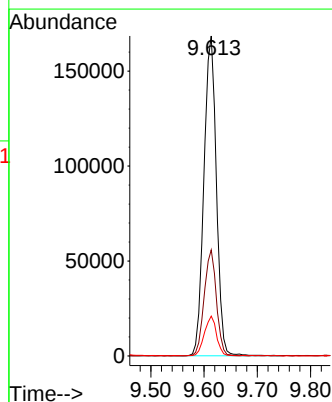
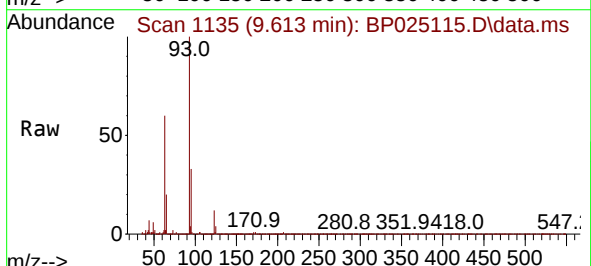
Manual Integrations
APPROVED

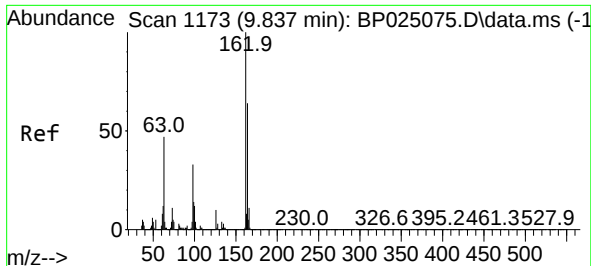
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#28
bis(2-Chloroethoxy)methane
Concen: 7.470 ng
RT: 9.613 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion: 93 Resp: 273570
Ion Ratio Lower Upper
93 100
95 33.2 26.4 39.6
123 12.4 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 7.008 ng

RT: 9.831 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

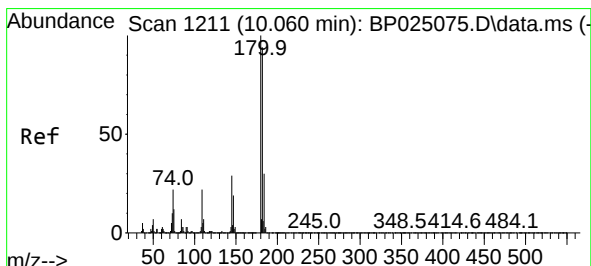
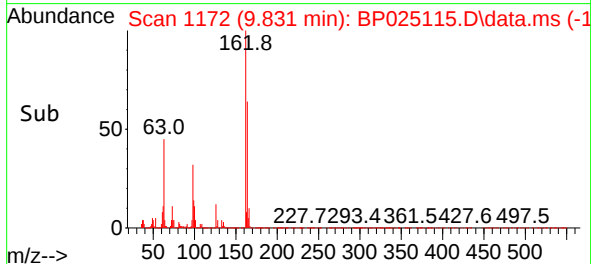
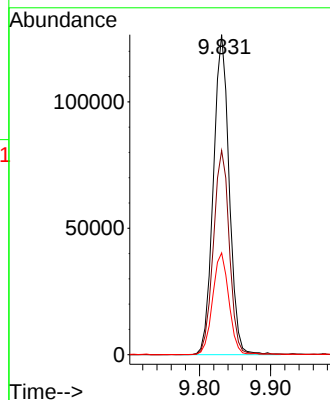
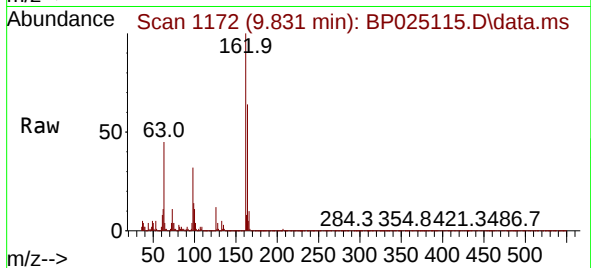
Tgt Ion:	162	Resp:	19550
Ion Ratio	Lower	Upper	
162	100		
164	63.8	44.1	84.1
98	31.8	13.1	53.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 7.551 ng

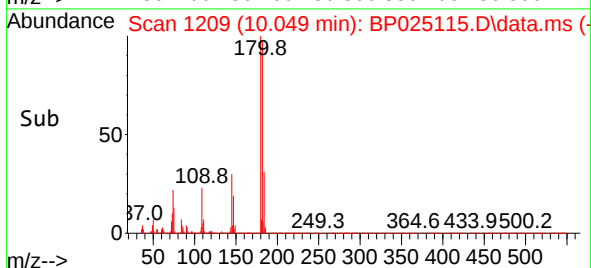
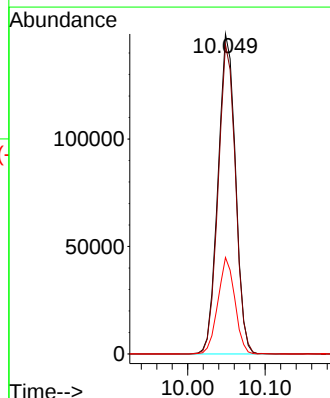
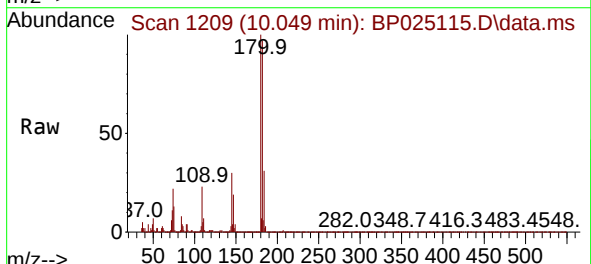
RT: 10.049 min Scan# 1209

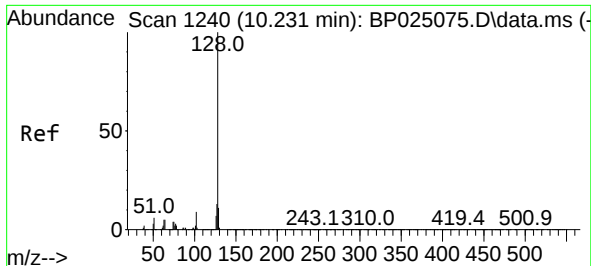
Delta R.T. -0.012 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

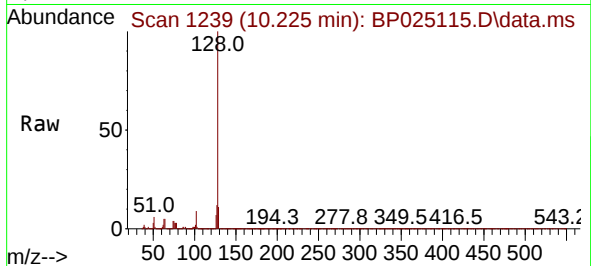
Tgt Ion:	180	Resp:	233296
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.1	112.7
145	30.1	23.3	34.9





#31
Naphthalene
Concen: 7.197 ng
RT: 10.225 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

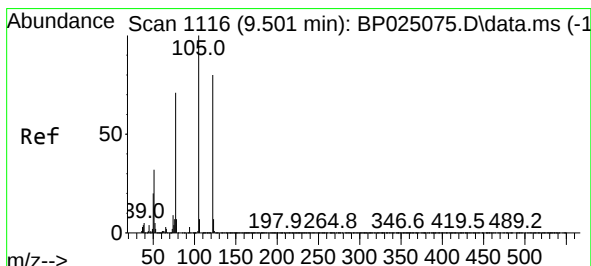
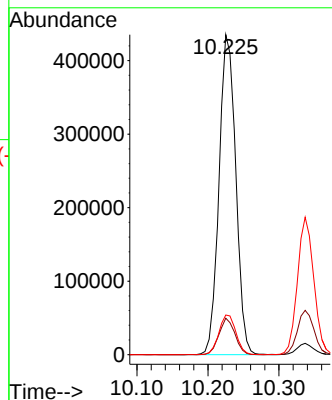
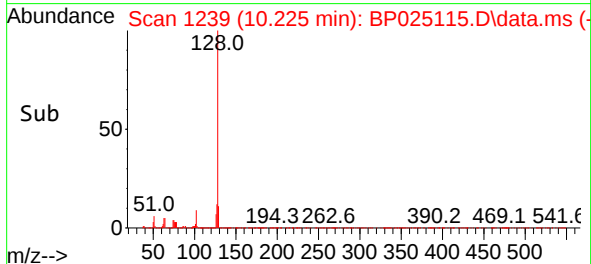
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 711328
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 12.4 10.4 15.6

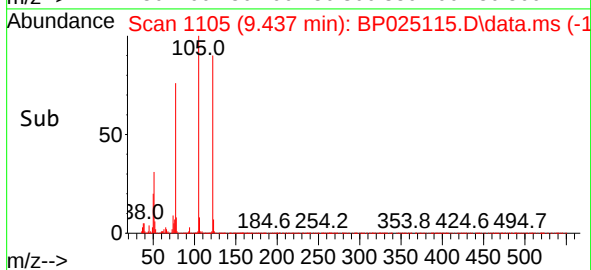
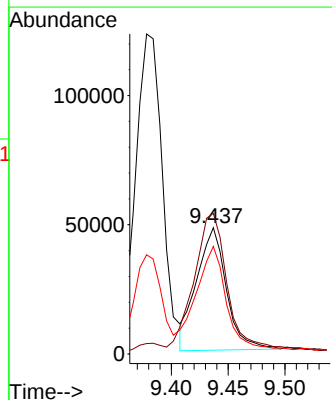
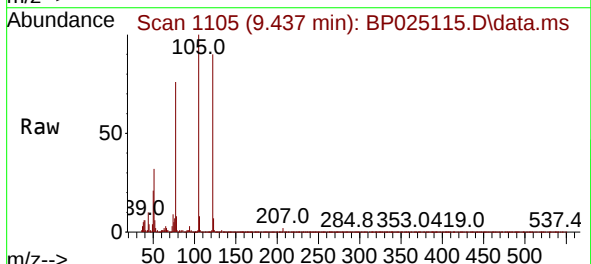
Manual Integrations
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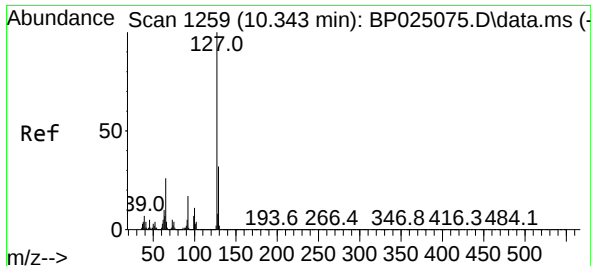
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#32
Benzoic acid
Concen: 9.965 ng
RT: 9.437 min Scan# 1105
Delta R.T. -0.064 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

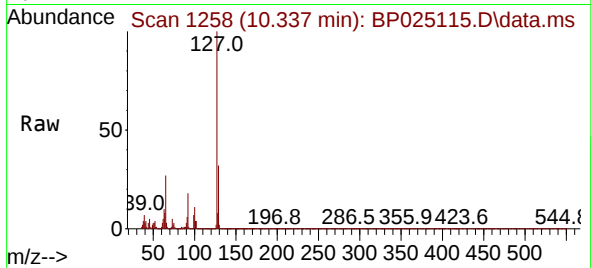
Tgt Ion:122 Resp: 86840
Ion Ratio Lower Upper
122 100
105 111.5 101.0 141.0
77 85.2 67.6 107.6





#33
4-Chloroaniline
Concen: 8.103 ng
RT: 10.337 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

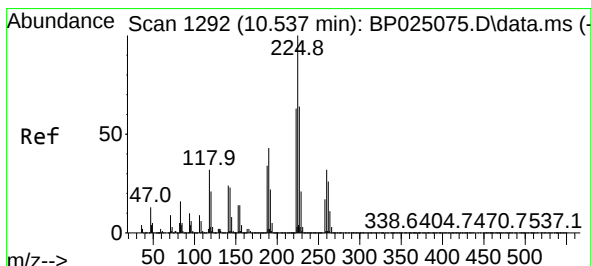
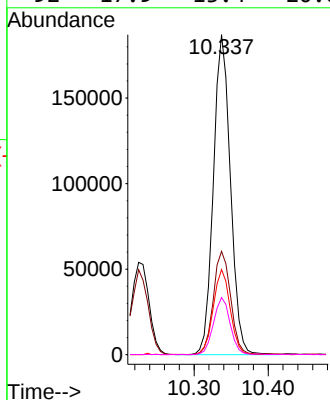
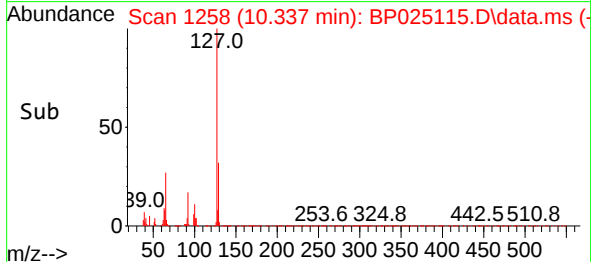
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:127 Resp: 298864
Ion Ratio Lower Upper
127 100
129 32.3 25.4 38.2
65 26.6 21.0 31.6
92 17.9 13.4 20.0

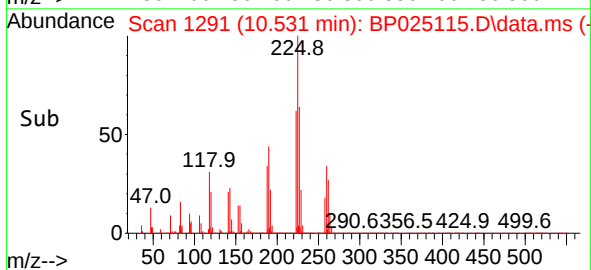
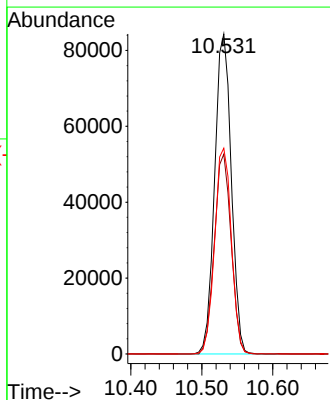
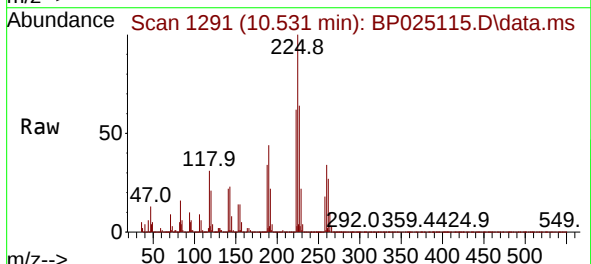
Manual Integrations
APPROVED

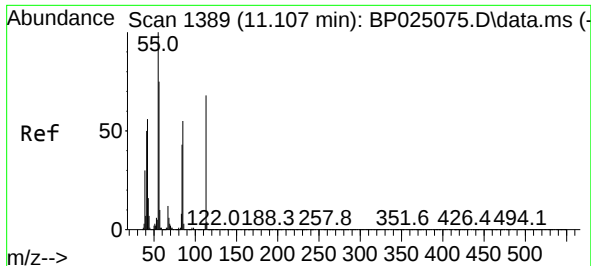
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#34
Hexachlorobutadiene
Concen: 7.716 ng
RT: 10.531 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

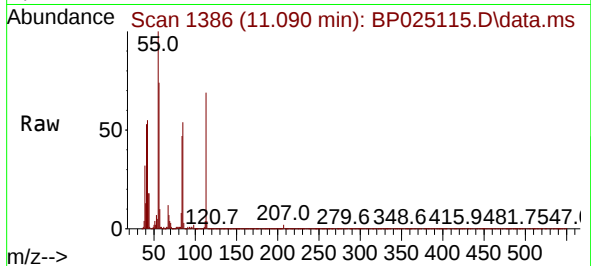
Tgt Ion:225 Resp: 136803
Ion Ratio Lower Upper
225 100
223 62.5 50.3 75.5
227 64.3 51.3 76.9





#35
Caprolactam
Concen: 6.827 ng
RT: 11.090 min Scan# 111
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

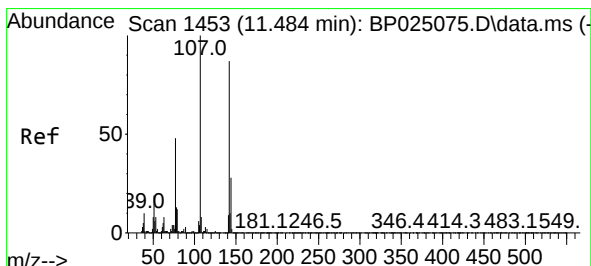
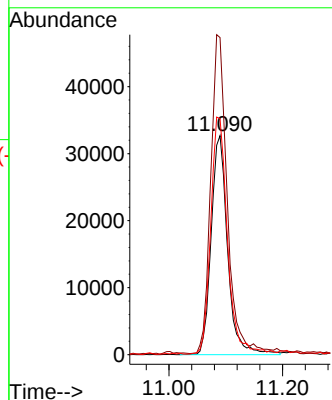
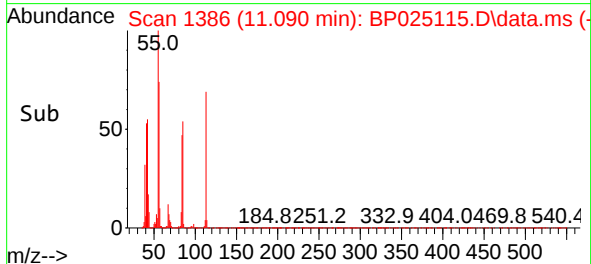
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



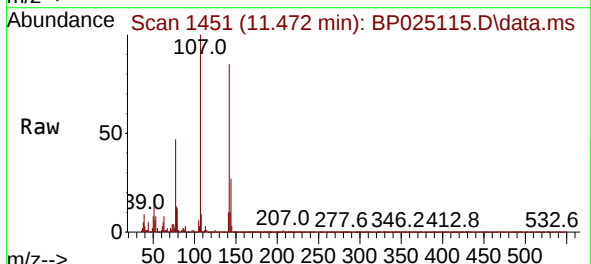
Tgt Ion:113 Resp: 6516
Ion Ratio Lower Upper
113 100
55 144.8 128.1 168.1
56 107.7 90.7 130.7

Manual Integrations
APPROVED

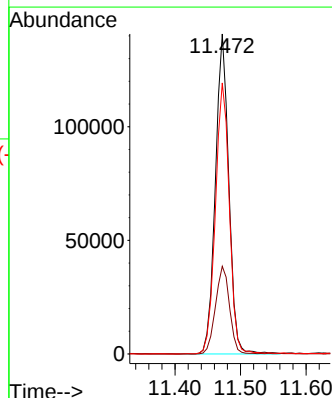
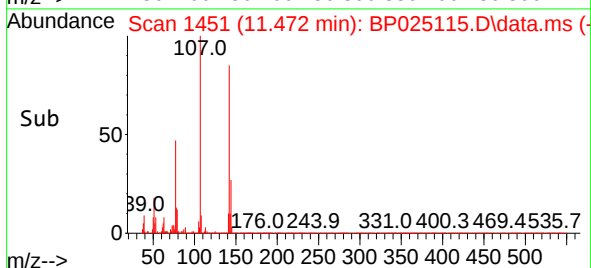
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

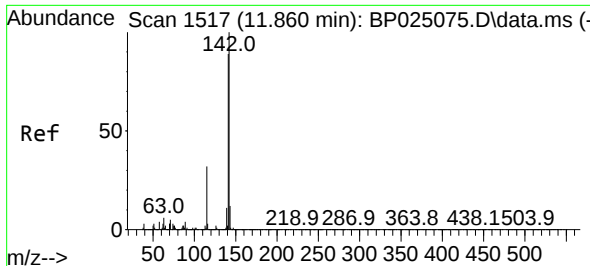


#36
4-Chloro-3-methylphenol
Concen: 6.867 ng
RT: 11.472 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



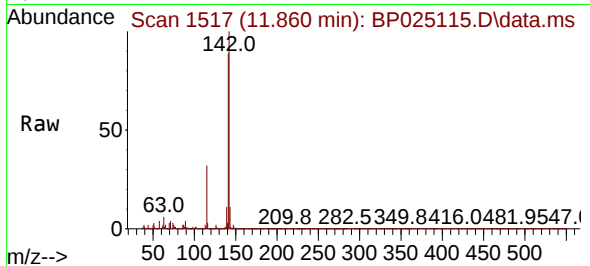
Tgt Ion:107 Resp: 200203
Ion Ratio Lower Upper
107 100
144 27.4 22.4 33.6
142 84.7 69.6 104.4





#37
2-Methylnaphthalene
Concen: 6.729 ng
RT: 11.860 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

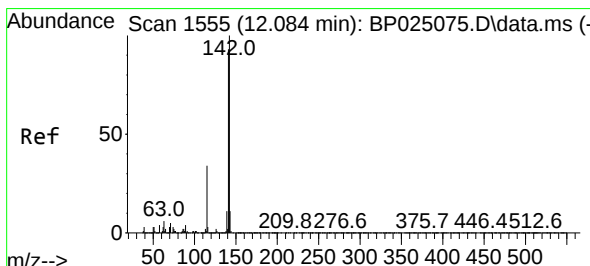
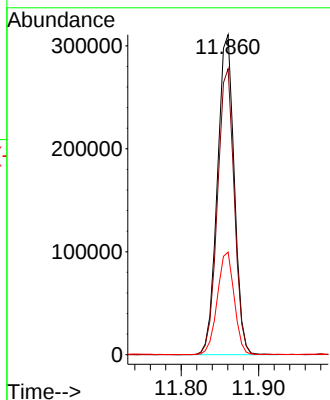
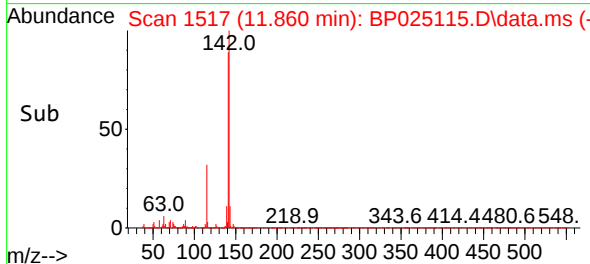
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



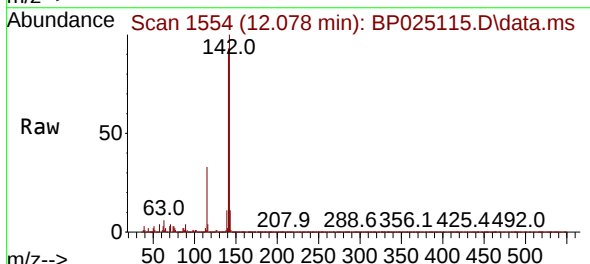
Tgt Ion:142 Resp: 469285
Ion Ratio Lower Upper
142 100
141 89.3 71.2 106.8
115 32.0 25.9 38.9

Manual Integrations
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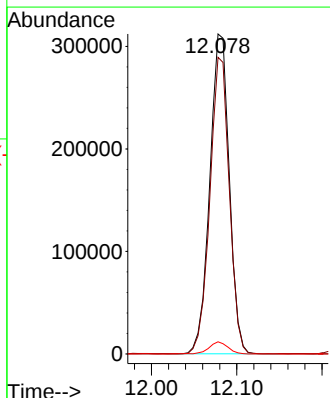
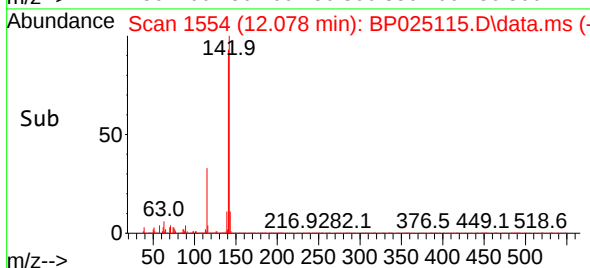
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

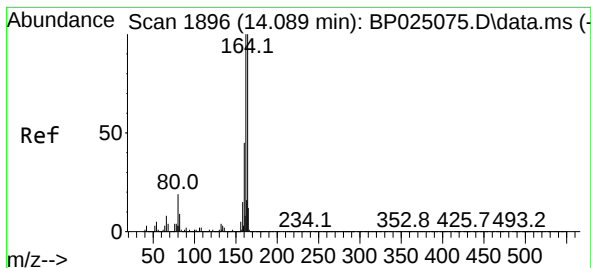


#38
1-Methylnaphthalene
Concen: 7.282 ng
RT: 12.078 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



Tgt Ion:142 Resp: 495258
Ion Ratio Lower Upper
142 100
141 92.7 74.1 111.1
116 3.8 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.078 min Scan# 1896

Delta R.T. -0.011 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:164 Resp: 130816

Ion Ratio Lower Upper

164 100

162 100.8 80.3 120.5

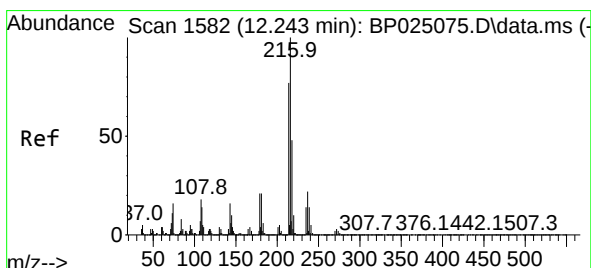
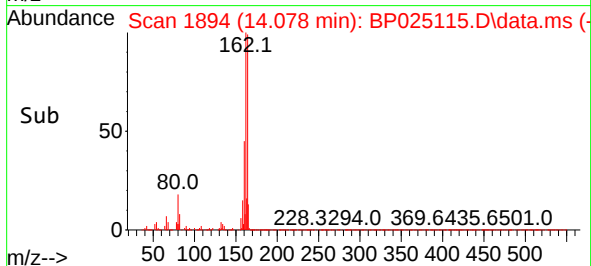
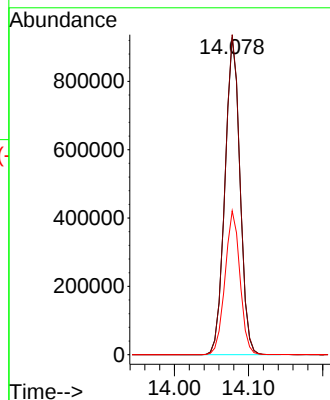
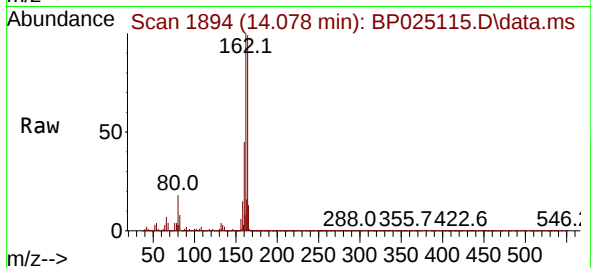
160 45.3 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.204 ng

RT: 12.231 min Scan# 1580

Delta R.T. -0.012 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Tgt Ion:216 Resp: 270840

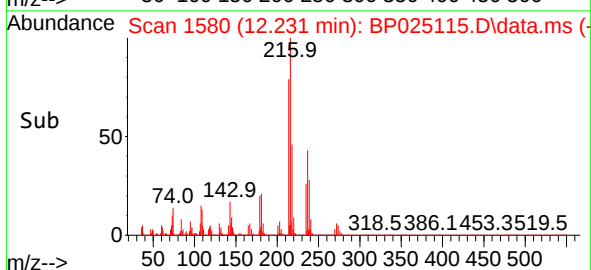
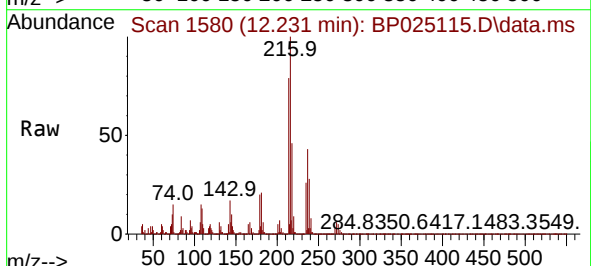
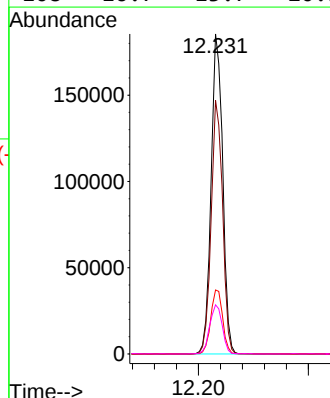
Ion Ratio Lower Upper

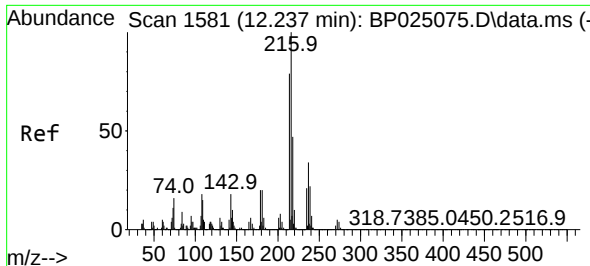
216 100

214 78.2 62.4 93.6

179 20.6 16.5 24.7

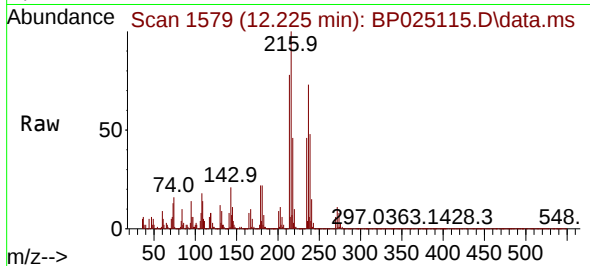
108 16.7 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 12.783 ng
RT: 12.225 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

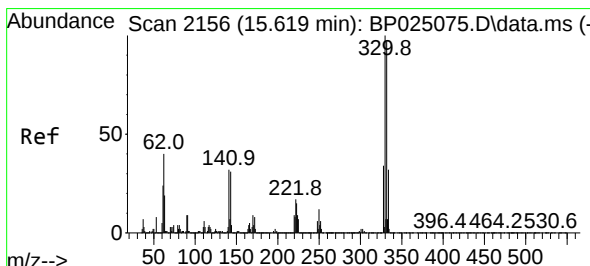
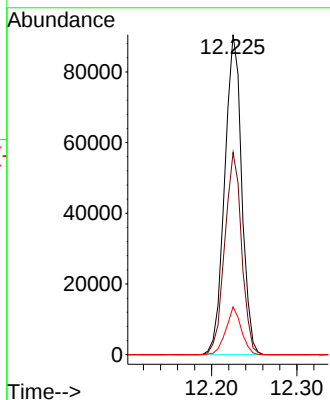
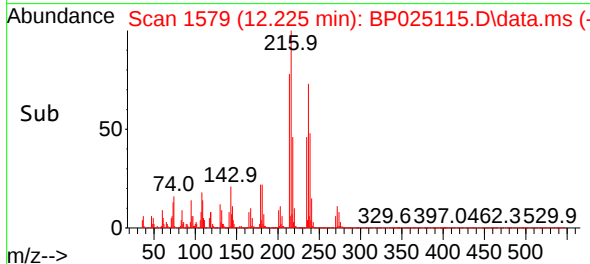
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 237 Resp: 12553
Ion Ratio Lower Upper
237 100
235 63.2 41.6 81.6
272 15.0 0.0 33.6

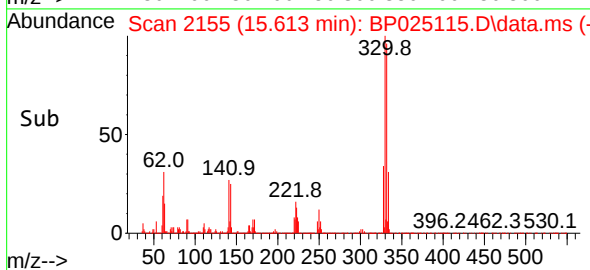
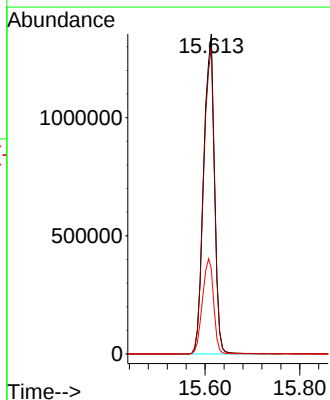
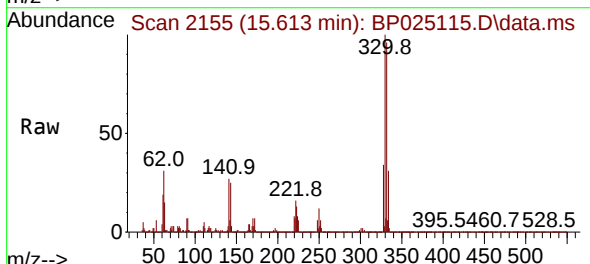
Manual Integrations
APPROVED

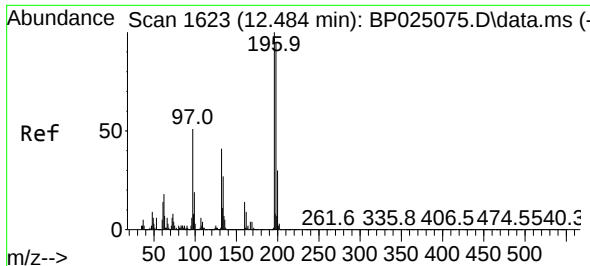
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#42
2,4,6-Tribromophenol
Concen: 139.126 ng
RT: 15.613 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion: 330 Resp: 2150027
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 30.5 26.0 39.0





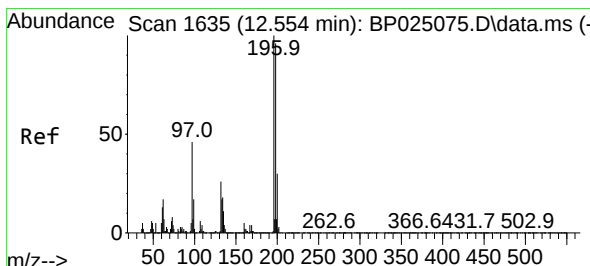
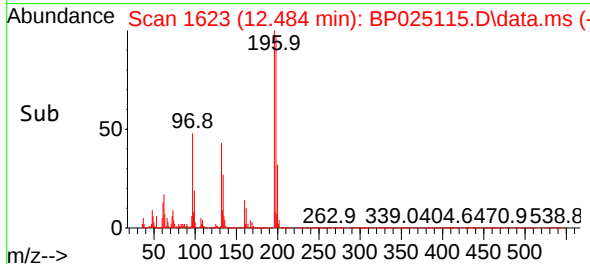
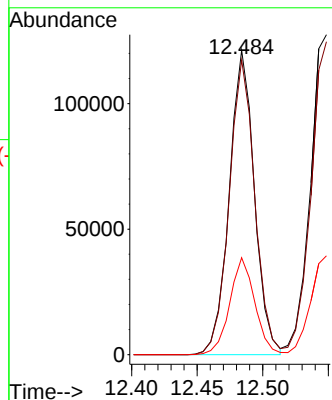
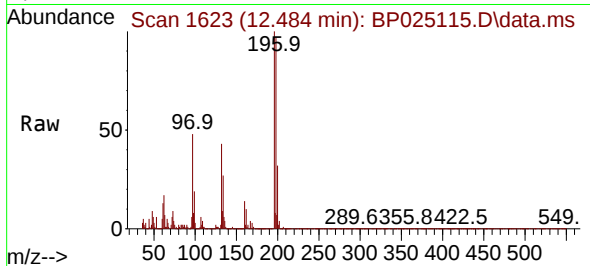
#43
2,4,6-Trichlorophenol
Concen: 7.108 ng
RT: 12.484 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:196 Resp: 161810
Ion Ratio Lower Upper
196 100
198 96.8 76.2 114.2
200 31.8 24.3 36.5

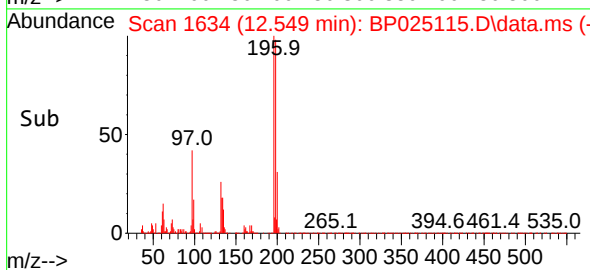
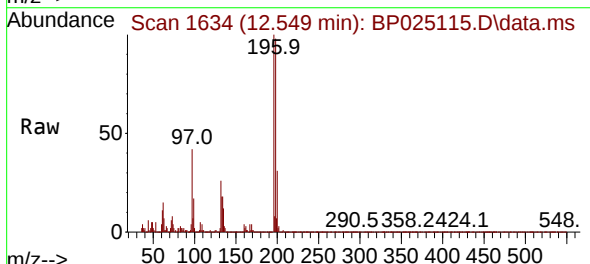
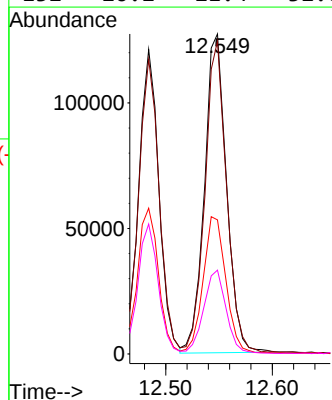
Manual Integrations
APPROVED

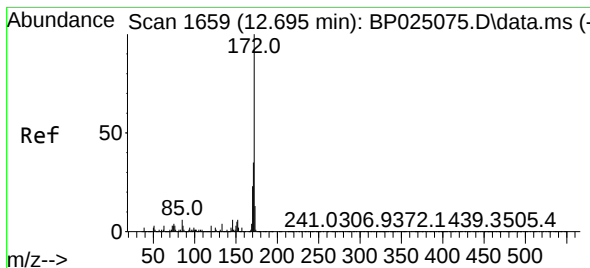
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#44
2,4,5-Trichlorophenol
Concen: 7.101 ng
RT: 12.549 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

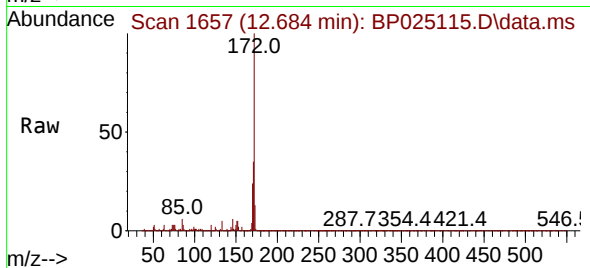
Tgt Ion:196 Resp: 183216
Ion Ratio Lower Upper
196 100
198 97.8 76.6 115.0
97 41.9 36.6 55.0
132 26.2 21.4 32.0





#45
2-Fluorobiphenyl
Concen: 82.427 ng
RT: 12.684 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

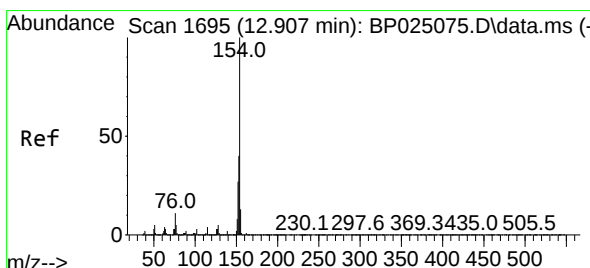
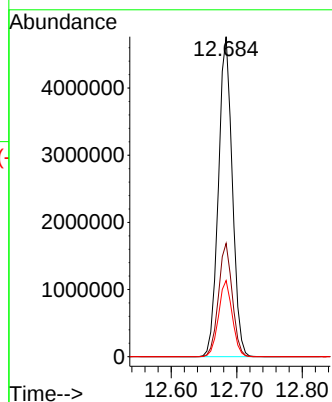
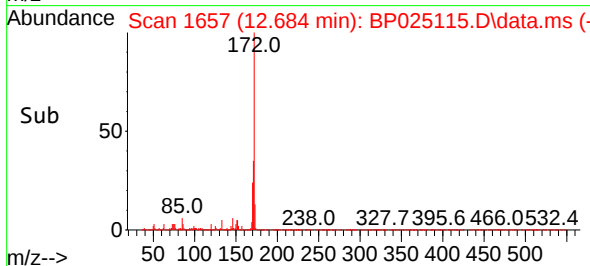
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



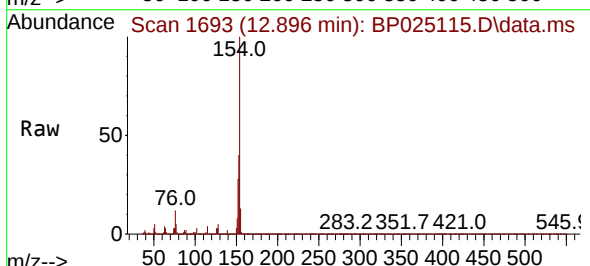
Tgt Ion:172 Resp: 6960370
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.8 18.7 28.1

Manual Integrations
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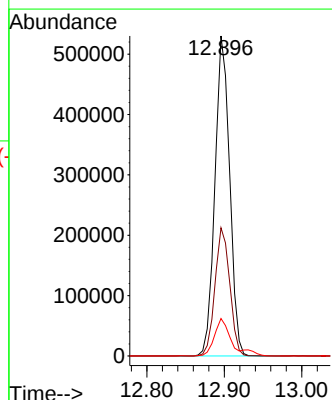
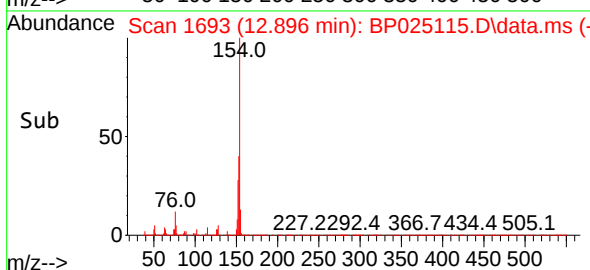
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

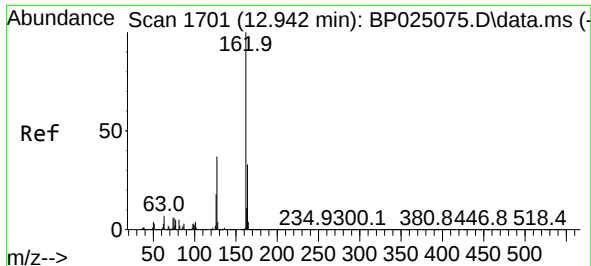


#46
1,1'-Biphenyl
Concen: 7.341 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



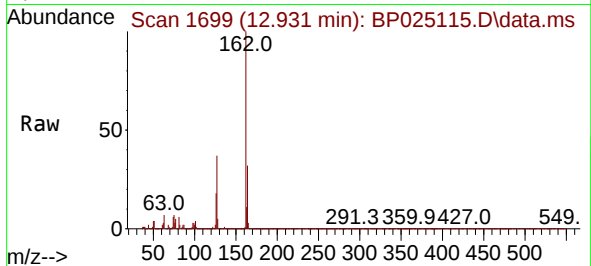
Tgt Ion:154 Resp: 698691
Ion Ratio Lower Upper
154 100
153 40.1 20.2 60.2
76 11.7 0.0 31.5





#47
2-Chloronaphthalene
Concen: 7.407 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

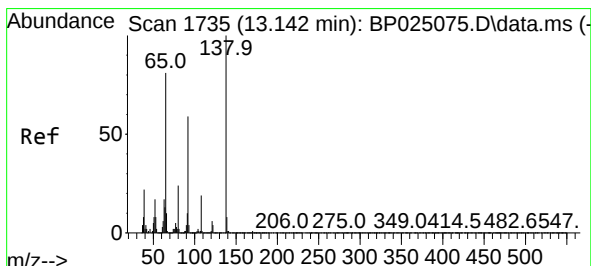
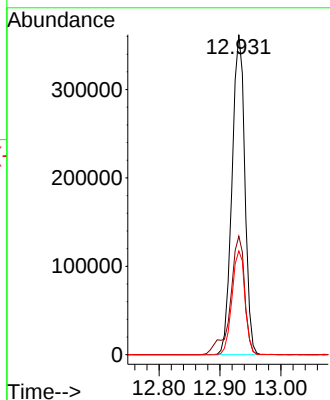
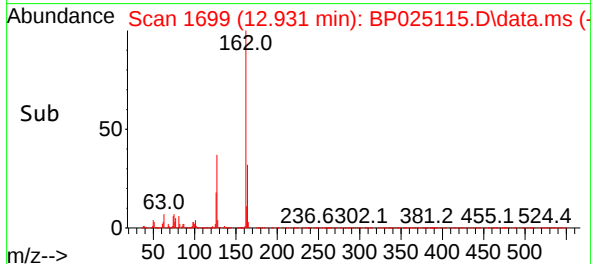
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



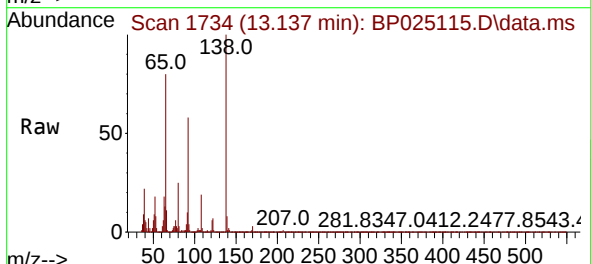
Tgt Ion:162 Resp: 529860
Ion Ratio Lower Upper
162 100
127 37.1 29.4 44.2
164 32.4 26.4 39.6

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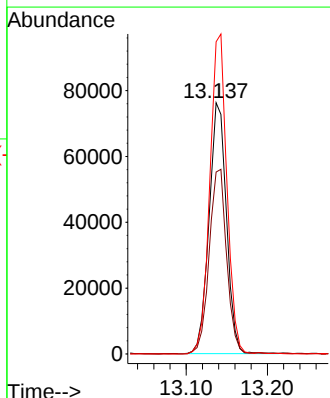
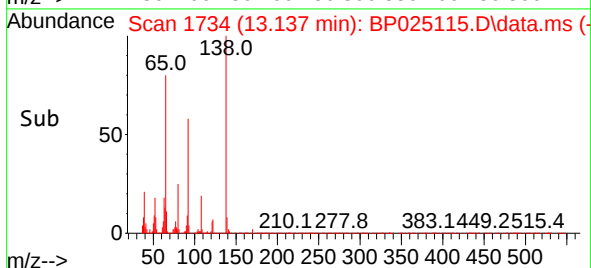
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

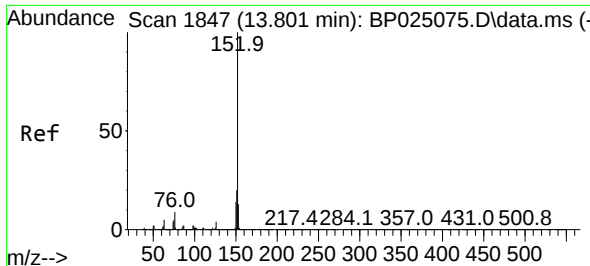


#48
2-Nitroaniline
Concen: 8.865 ng
RT: 13.137 min Scan# 1734
Delta R.T. -0.005 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



Tgt Ion: 65 Resp: 113448
Ion Ratio Lower Upper
65 100
92 72.4 58.7 88.1
138 124.3 99.0 148.4





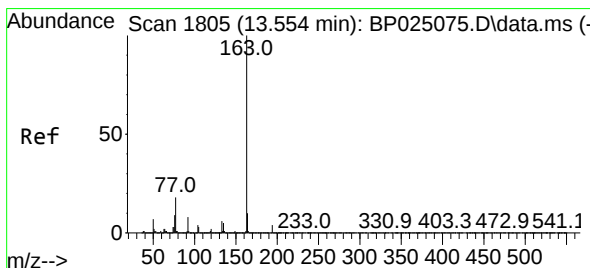
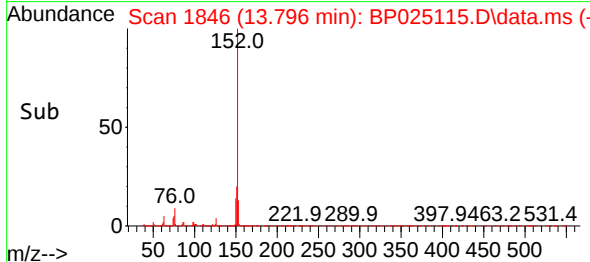
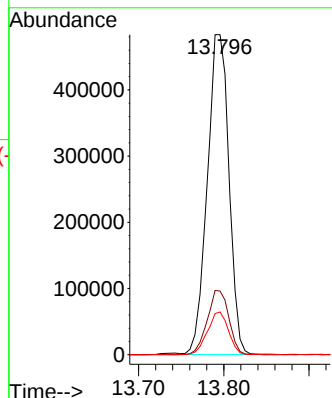
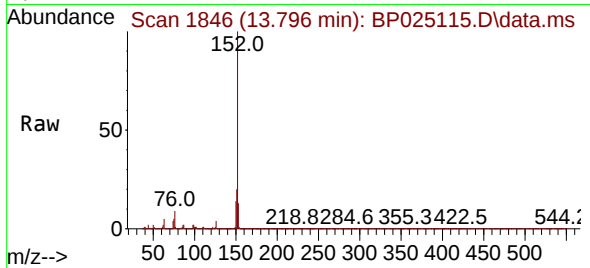
#49
Acenaphthylene
Concen: 7.802 ng
RT: 13.796 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion:152 Resp: 854204
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.4 10.7 16.1

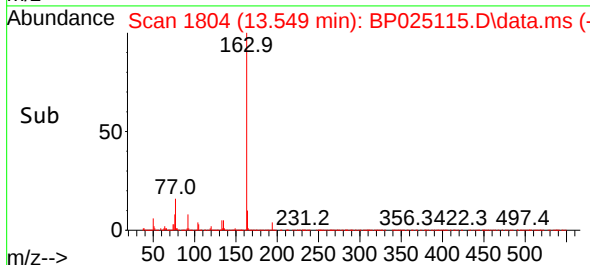
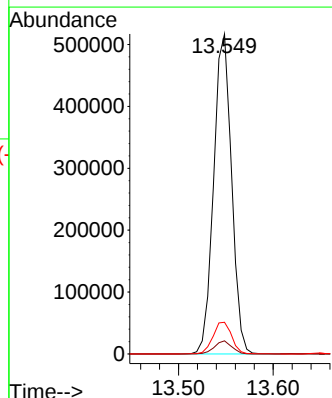
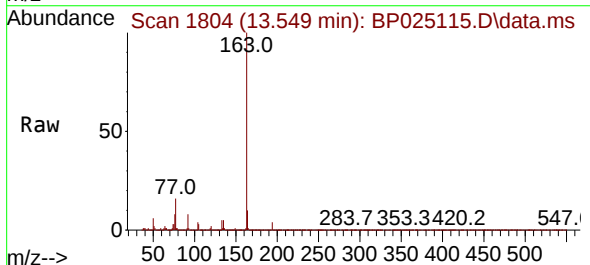
Manual Integrations
APPROVED

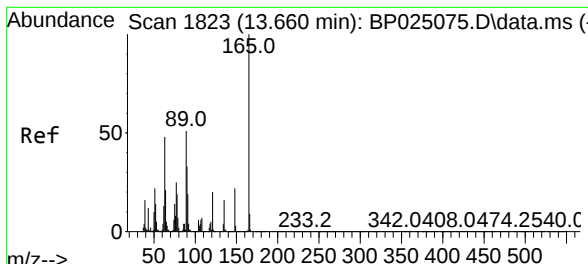
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#50
Dimethylphthalate
Concen: 7.411 ng
RT: 13.549 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:163 Resp: 678651
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.9 8.0 12.0



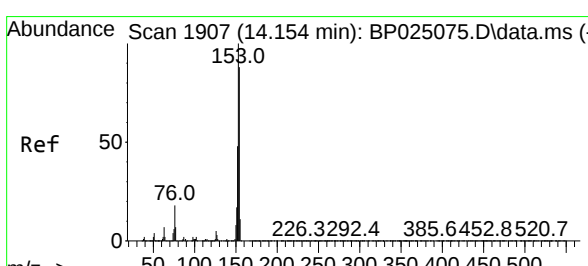
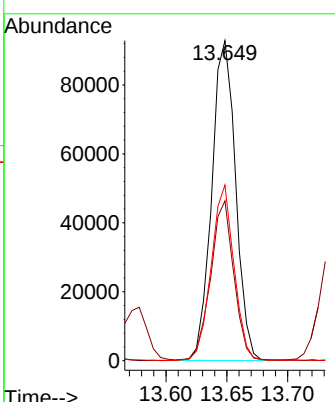
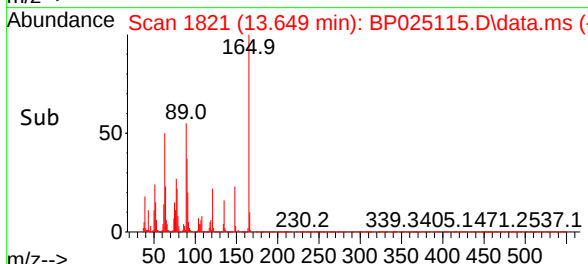
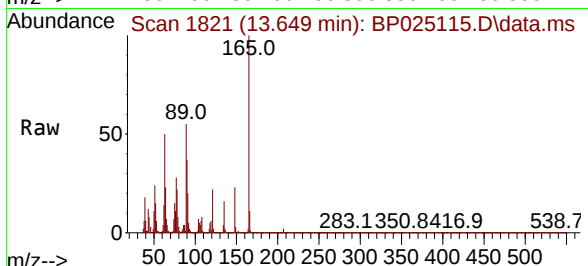


#51
 2,6-Dinitrotoluene
 Concen: 7.082 ng
 RT: 13.649 min Scan# 1821
 Delta R.T. -0.012 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2025

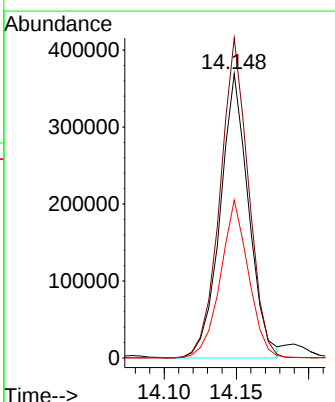
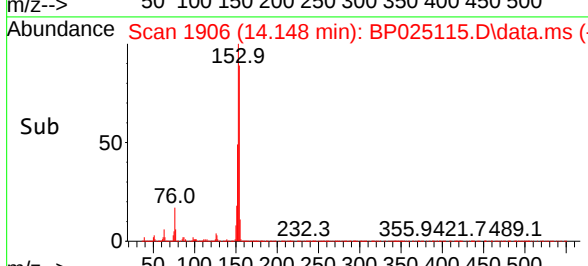
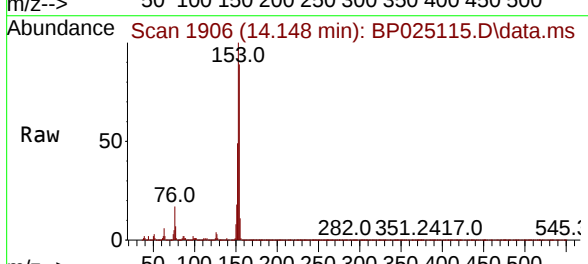
Tgt Ion:	165	Resp:	12648
Ion Ratio	Lower	Upper	
165	100		
63	50.0	38.5	57.7
89	54.9	40.6	61.0

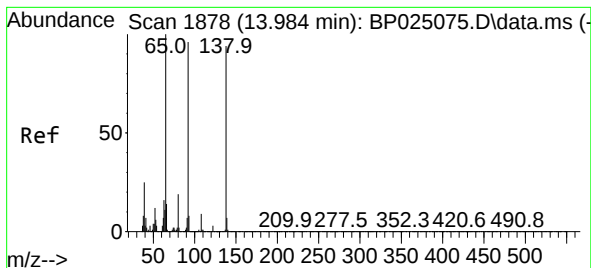
Manual Integrations
APPROVED
 Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#52
 Acenaphthene
 Concen: 7.162 ng m
 RT: 14.148 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

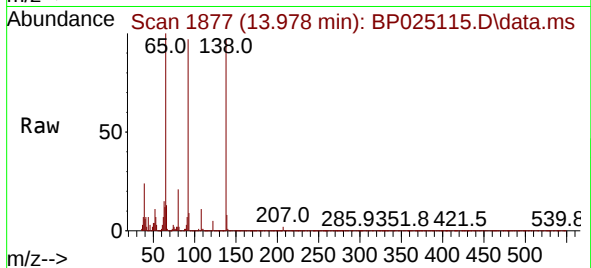
Tgt Ion:	154	Resp:	505426
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.6	136.0
152	55.6	43.8	65.8





#53
3-Nitroaniline
Concen: 7.583 ng
RT: 13.978 min Scan# 1877
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

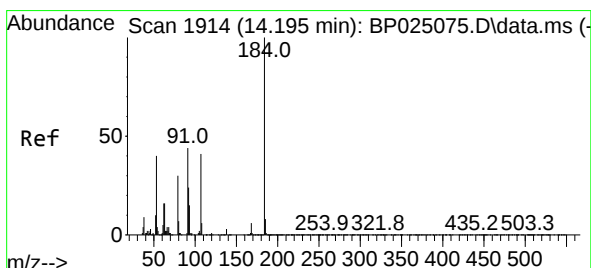
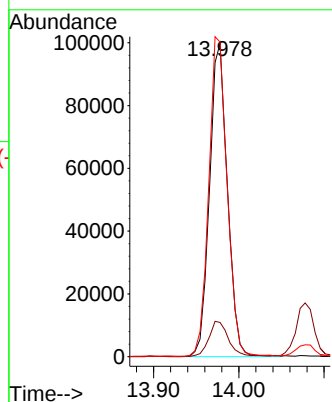
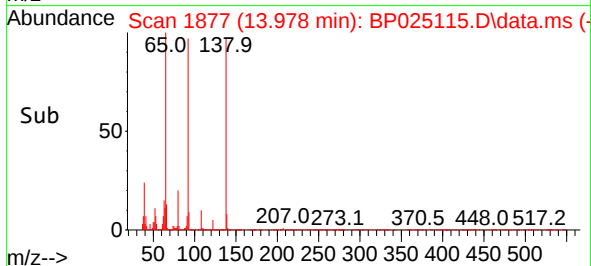
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2025



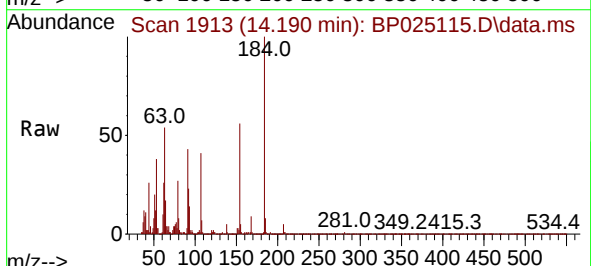
Tgt Ion:138 Resp: 14512
Ion Ratio Lower Upper
138 100
108 10.9 7.8 11.8
92 100.4 81.0 121.4

Manual Integrations
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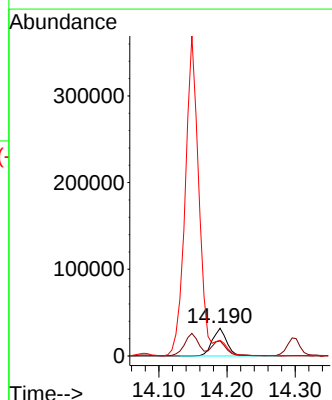
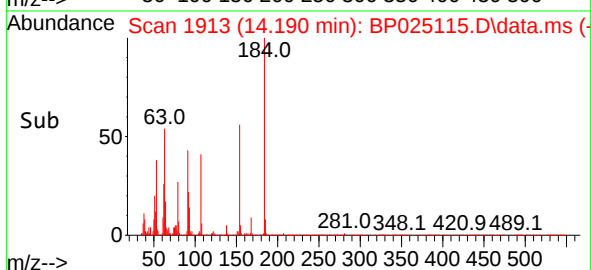
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

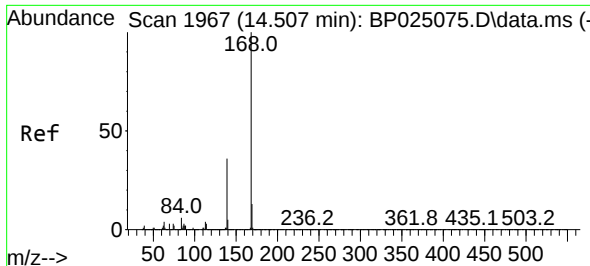


#54
2,4-Dinitrophenol
Concen: 10.512 ng
RT: 14.190 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25



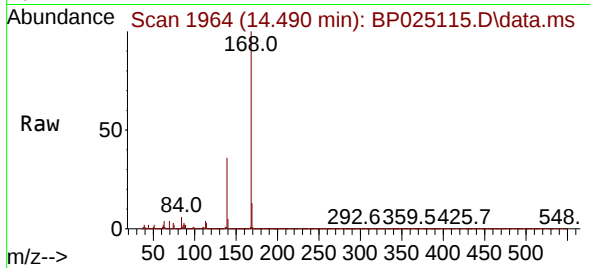
Tgt Ion:184 Resp: 47976
Ion Ratio Lower Upper
184 100
63 54.4 47.4 71.0
154 56.4 47.8 71.8





#55
Dibenzenofuran
Concen: 7.230 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

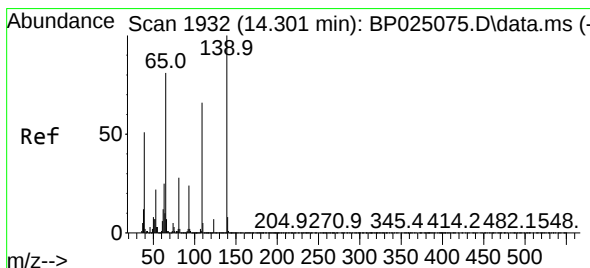
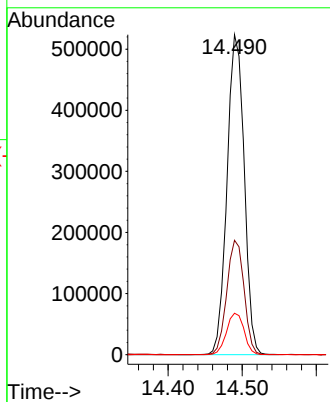
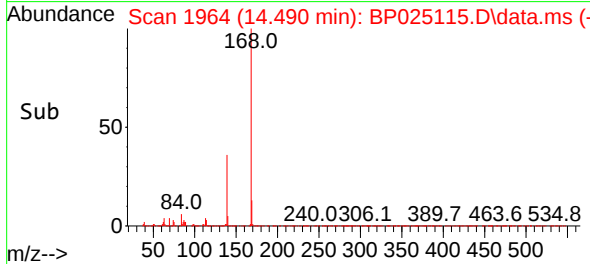
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 842008
Ion Ratio Lower Upper
168 100
139 35.8 28.6 43.0
169 13.0 10.7 16.1

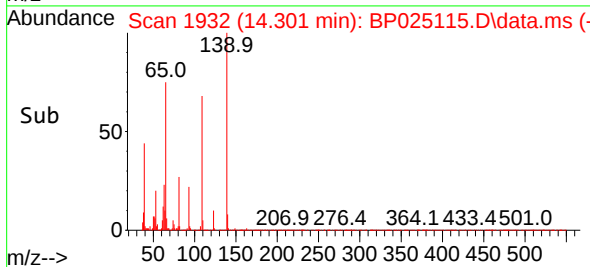
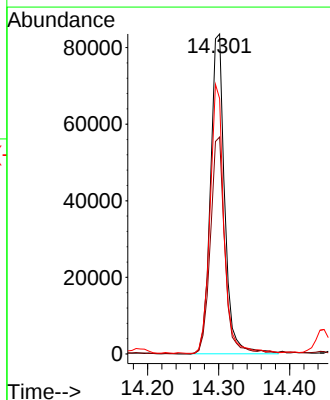
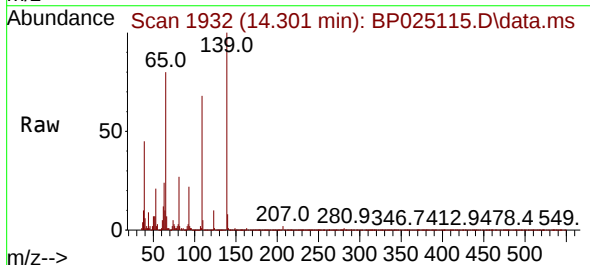
Manual Integrations
APPROVED

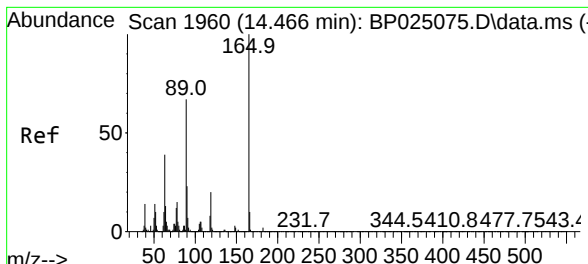
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#56
4-Nitrophenol
Concen: 6.585 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:139 Resp: 116305
Ion Ratio Lower Upper
139 100
109 67.8 45.9 85.9
65 79.8 61.4 101.4





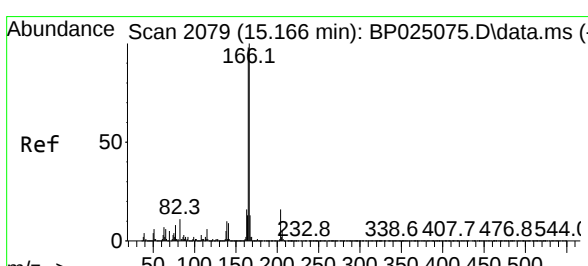
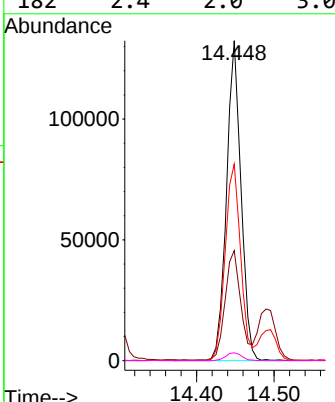
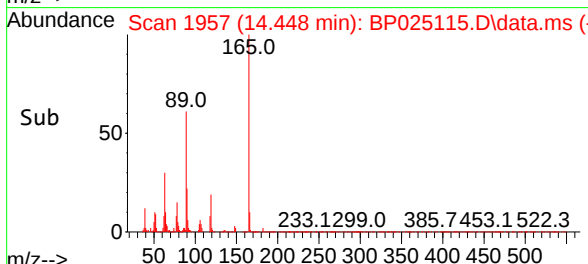
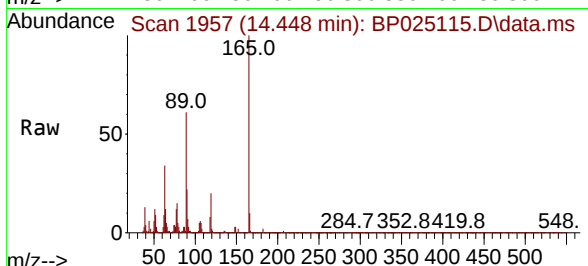
#57
 2,4-Dinitrotoluene
 Concen: 8.852 ng
 RT: 14.448 min Scan# 1957
 Delta R.T. -0.018 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion:	165	Resp:	17237
Ion Ratio	Lower	Upper	
165	100		
63	34.4	31.0	46.4
89	61.5	53.4	80.0
182	2.4	2.0	3.0

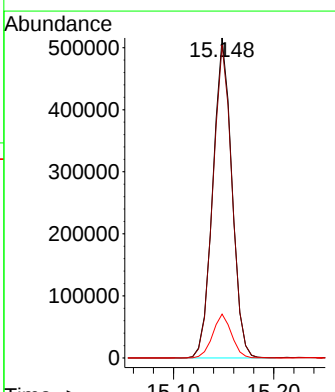
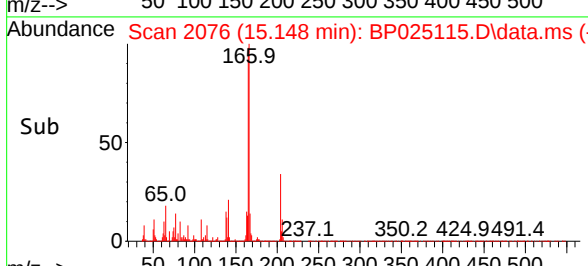
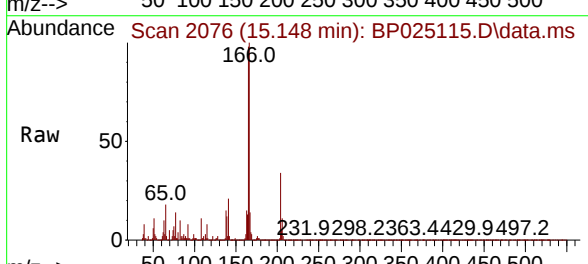
Manual Integrations
 APPROVED

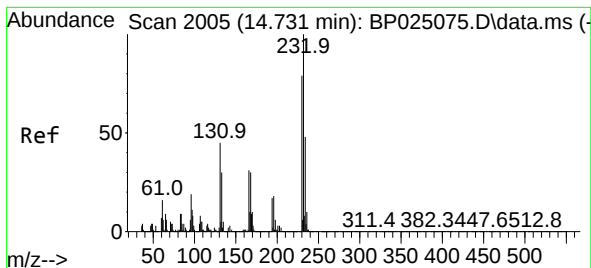
Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#58
 Fluorene
 Concen: 7.524 ng
 RT: 15.148 min Scan# 2076
 Delta R.T. -0.017 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

Tgt Ion:	166	Resp:	677806
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.6	117.8
167	13.7	10.7	16.1





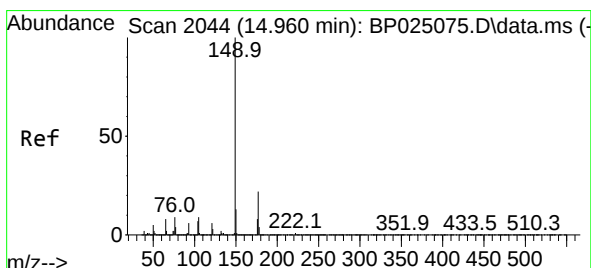
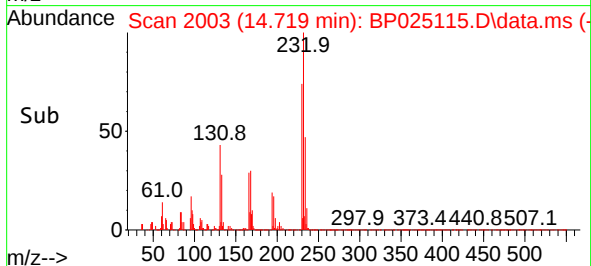
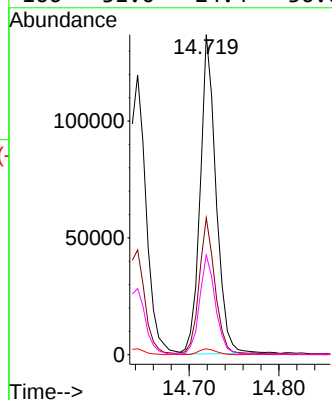
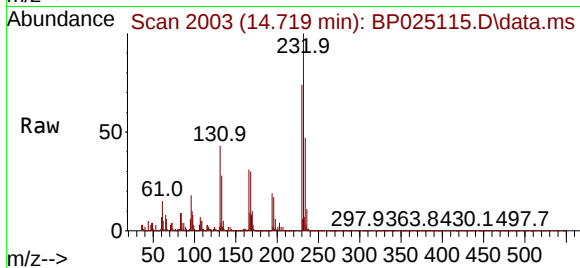
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.197 ng
RT: 14.719 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:232 Resp: 16814
Ion Ratio Lower Upper
232 100
131 42.5 35.7 53.5
130 2.1 1.8 2.6
166 31.0 24.4 36.6

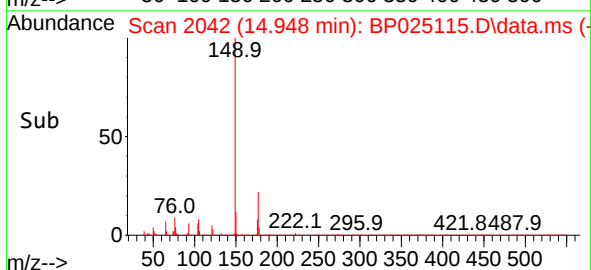
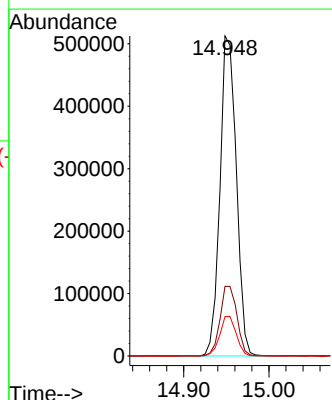
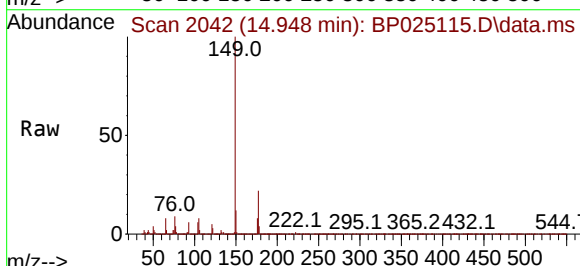
Manual Integrations
APPROVED

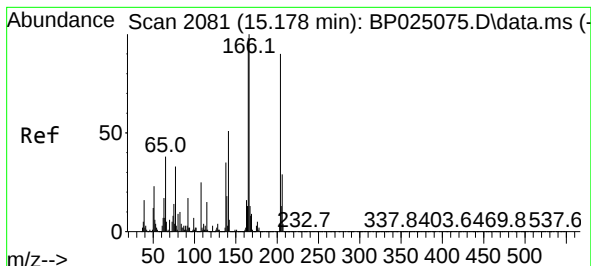
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#60
Diethylphthalate
Concen: 7.462 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

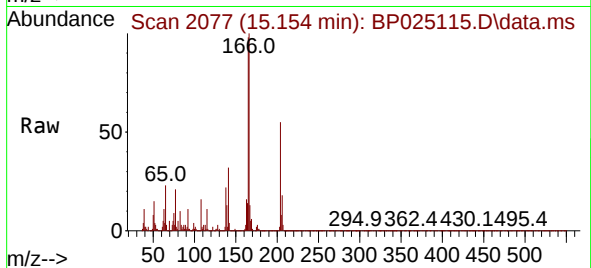
Tgt Ion:149 Resp: 686322
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.8
150 12.3 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 7.582 ng
RT: 15.154 min Scan# 2081
Delta R.T. -0.023 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

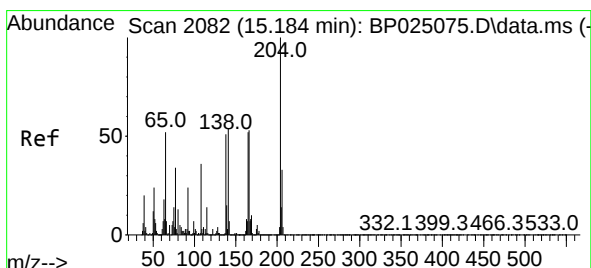
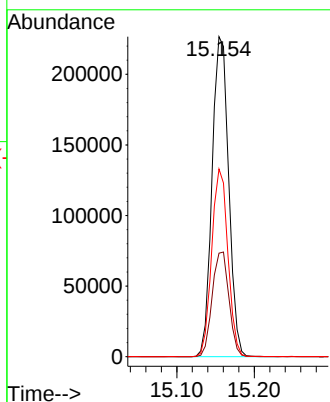
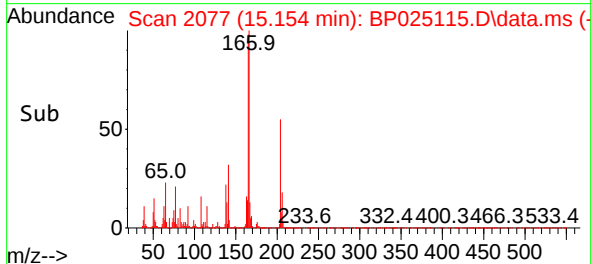
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:204 Resp: 338028
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.6
141 58.6 45.1 67.7

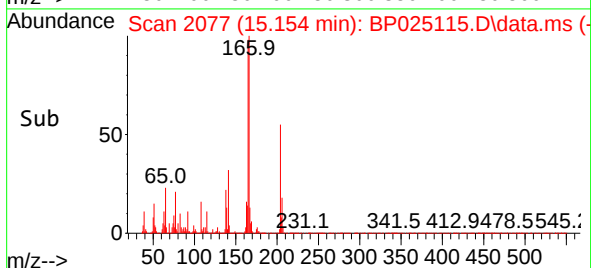
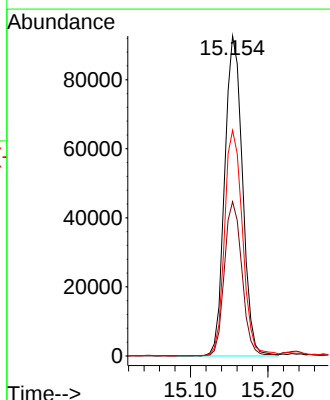
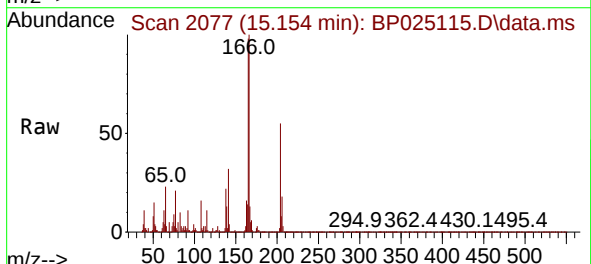
Manual Integrations
APPROVED

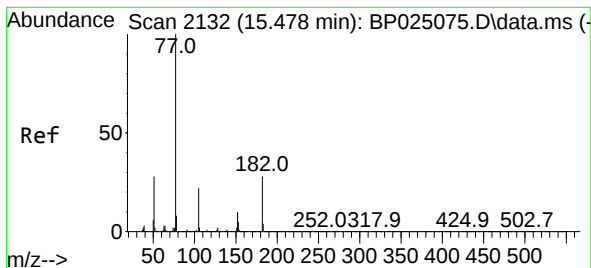
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#62
4-Nitroaniline
Concen: 7.373 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.029 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:138 Resp: 147976
Ion Ratio Lower Upper
138 100
92 48.2 26.0 66.0
108 70.5 50.0 90.0





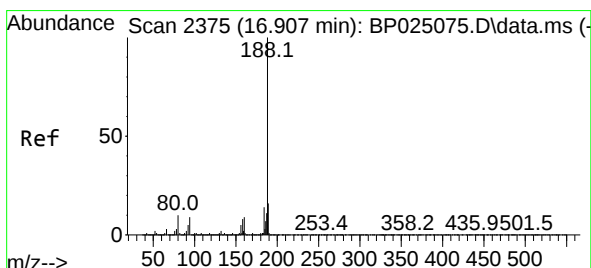
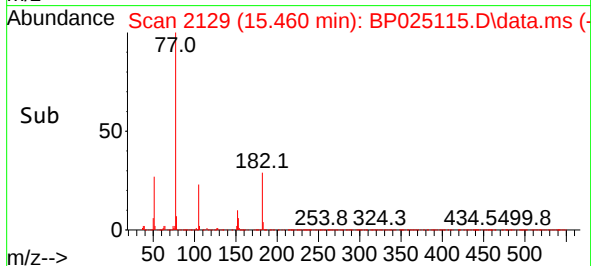
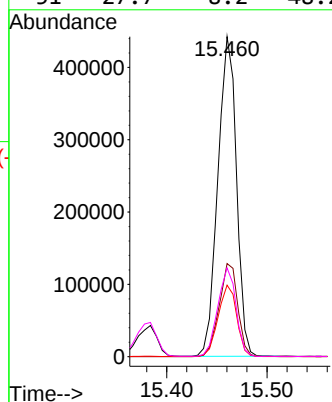
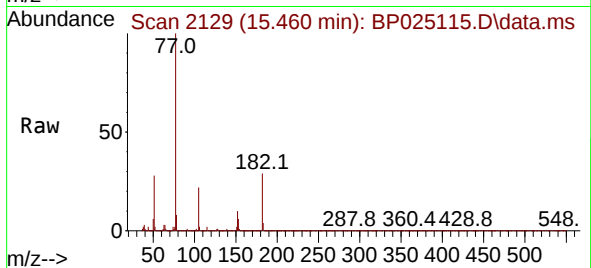
#63
Azobenzene
Concen: 6.948 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 569058
Ion Ratio Lower Upper
77 100
182 29.1 7.7 47.7
105 22.4 1.9 41.9
51 27.7 8.2 48.2

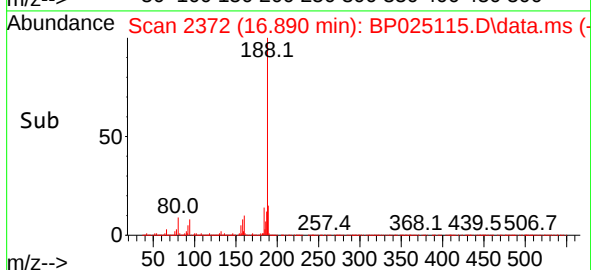
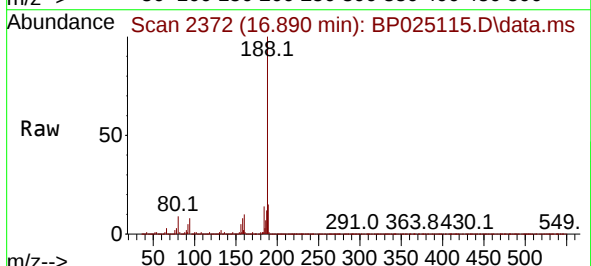
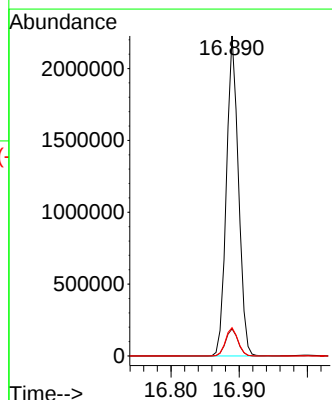
Manual Integrations
APPROVED

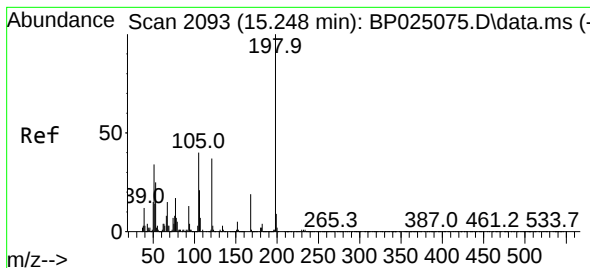
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.890 min Scan# 2372
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:188 Resp: 2731732
Ion Ratio Lower Upper
188 100
94 8.4 7.3 10.9
80 8.9 7.8 11.6





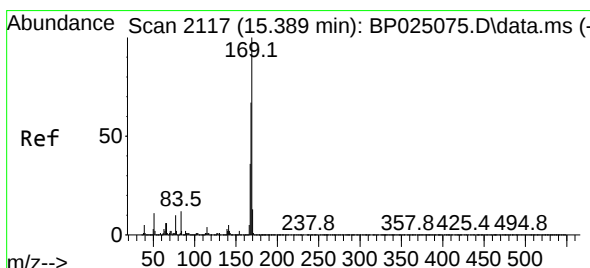
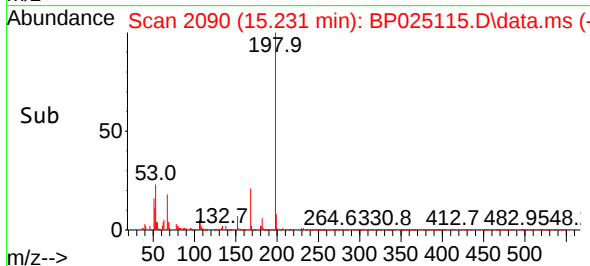
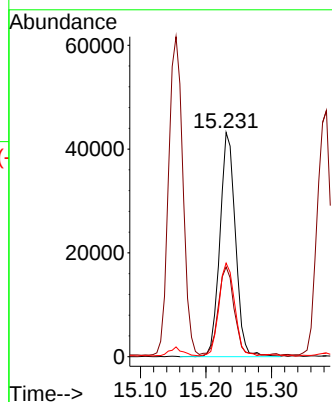
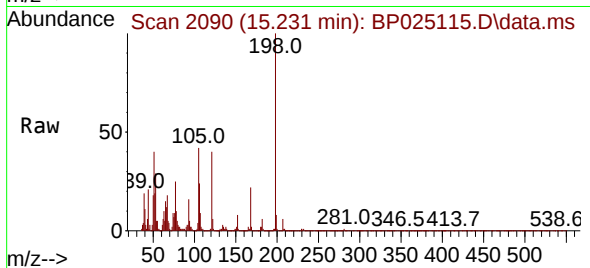
#65
4,6-Dinitro-2-methylphenol
Concen: 10.606 ng
RT: 15.231 min Scan# 2093
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:198 Resp: 70714
Ion Ratio Lower Upper
198 100
51 40.1 16.8 56.8
105 41.7 20.8 60.8

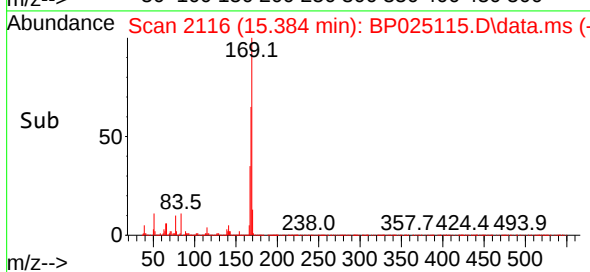
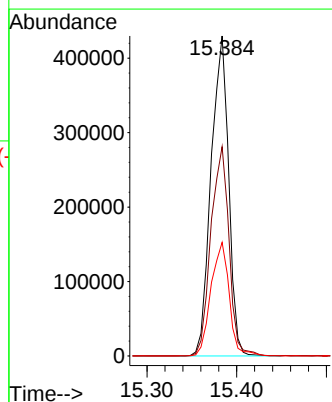
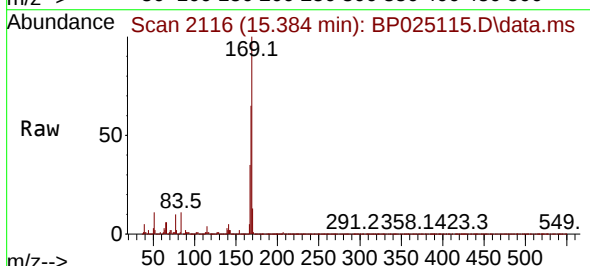
Manual Integrations
APPROVED

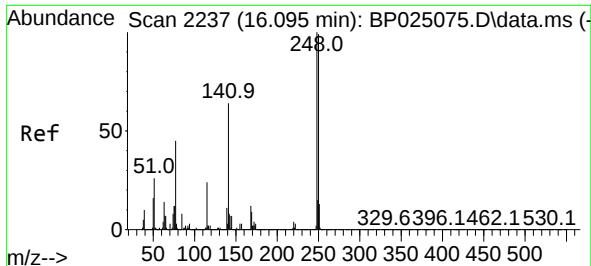
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#66
n-Nitrosodiphenylamine
Concen: 7.457 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

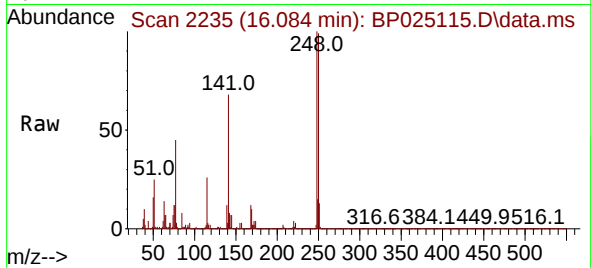
Tgt Ion:169 Resp: 582976
Ion Ratio Lower Upper
169 100
168 65.4 54.1 81.1
167 35.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 7.590 ng
RT: 16.084 min Scan# 211
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

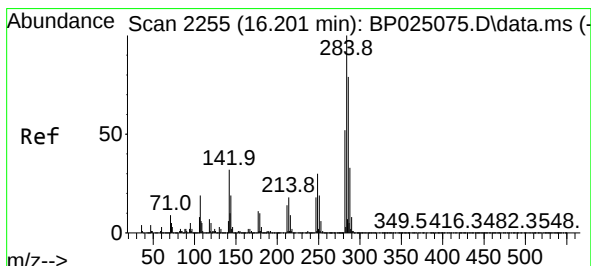
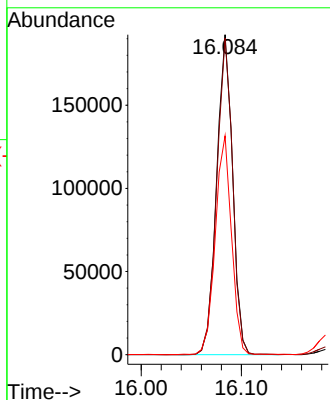
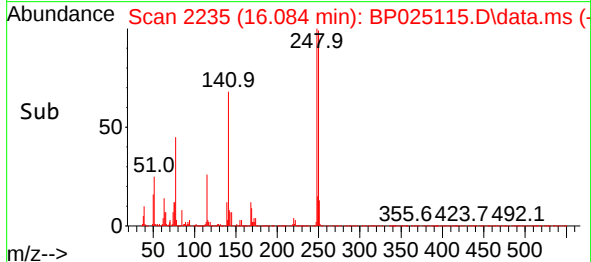
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:248 Resp: 212298
Ion Ratio Lower Upper
248 100
250 98.9 79.4 119.2
141 68.4 51.4 77.0

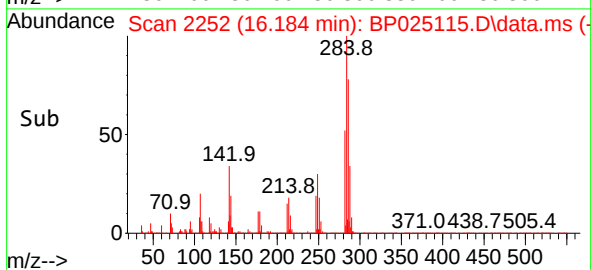
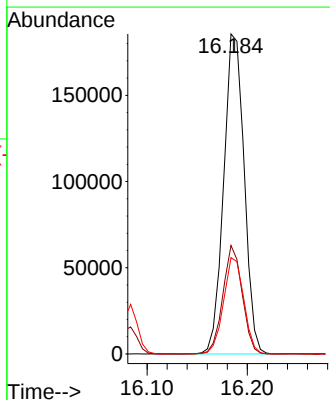
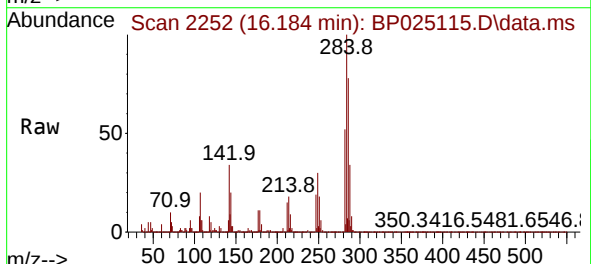
Manual Integrations
APPROVED

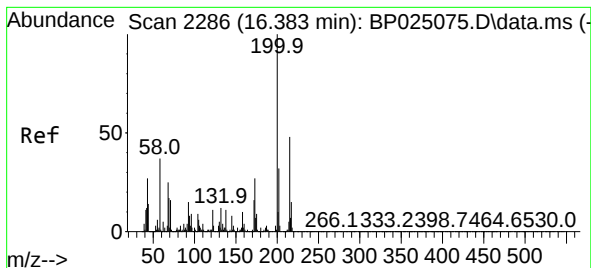
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#68
Hexachlorobenzene
Concen: 7.699 ng
RT: 16.184 min Scan# 2252
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:284 Resp: 263211
Ion Ratio Lower Upper
284 100
142 33.9 25.9 38.9
249 30.1 23.8 35.8





#69

Atrazine

Concen: 9.073 ng

RT: 16.372 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025115.D

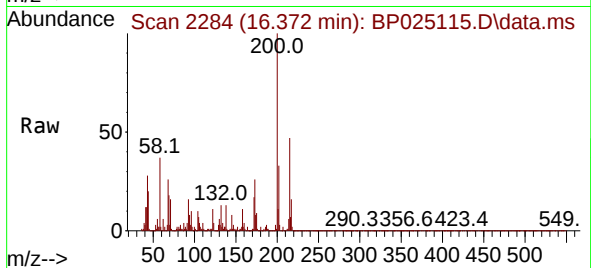
Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025



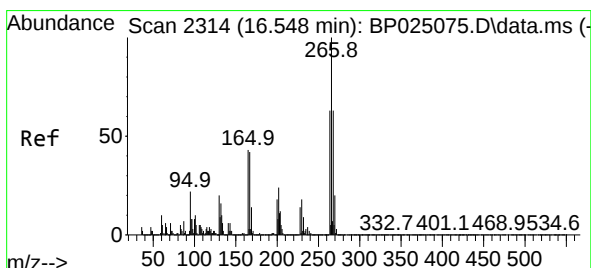
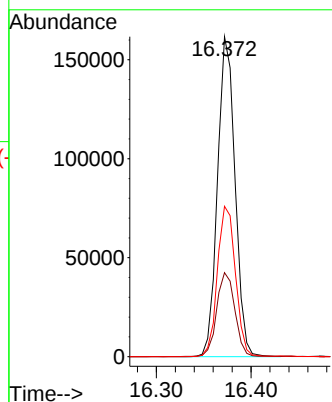
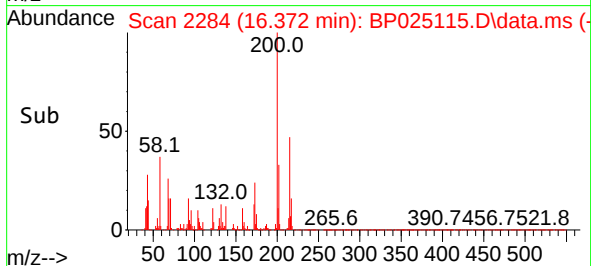
Tgt Ion:	200	Resp:	20784
Ion Ratio	Lower	Upper	
200	100		
173	26.3	6.6	46.6
215	47.0	28.0	68.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#70

Pentachlorophenol

Concen: 6.082 ng

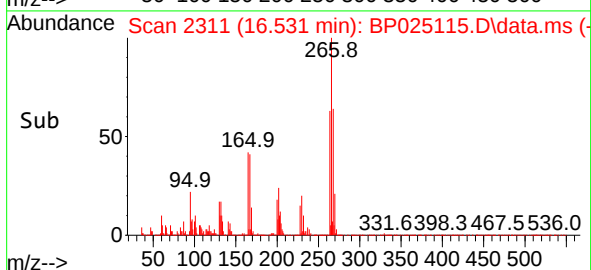
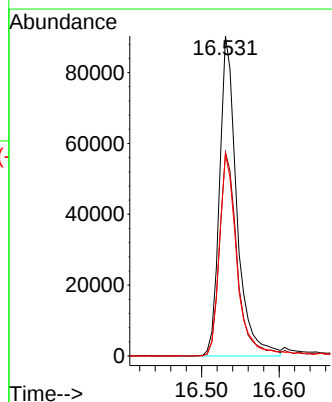
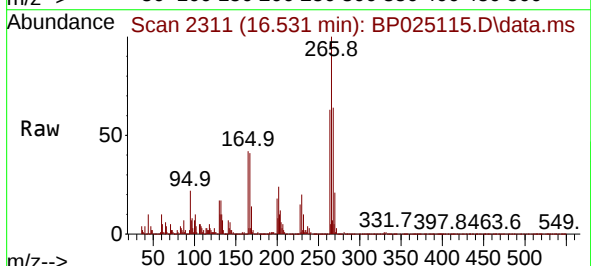
RT: 16.531 min Scan# 2311

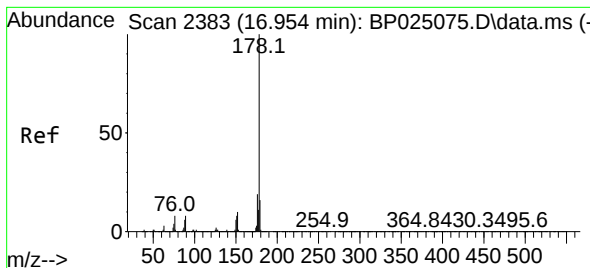
Delta R.T. -0.017 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Tgt Ion:	266	Resp:	140426
Ion Ratio	Lower	Upper	
266	100		
268	63.7	50.4	75.6
264	63.1	50.2	75.2





#71

Phenanthrene

Concen: 7.545 ng

RT: 16.931 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:178 Resp: 110131

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

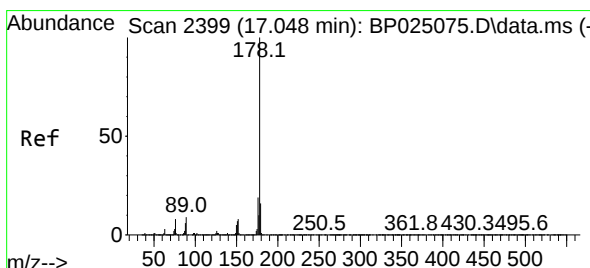
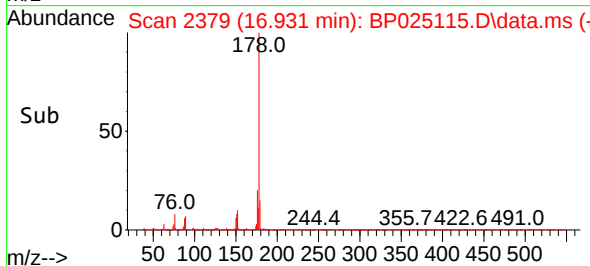
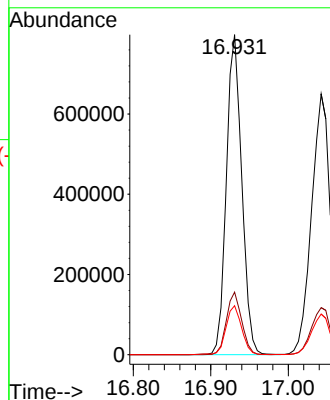
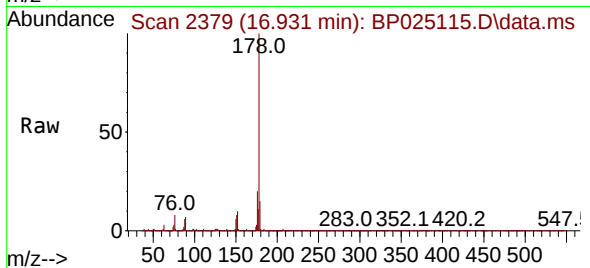
179 15.3 12.6 19.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#72

Anthracene

Concen: 7.722 ng

RT: 17.042 min Scan# 2398

Delta R.T. -0.006 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

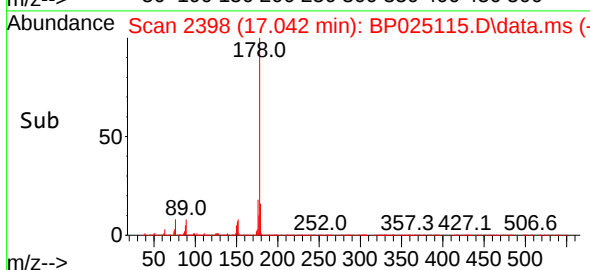
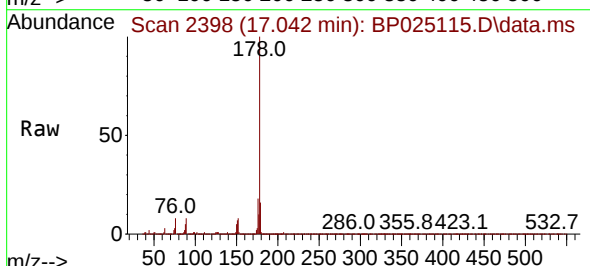
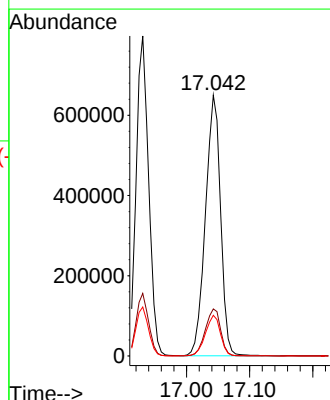
Tgt Ion:178 Resp: 1081307

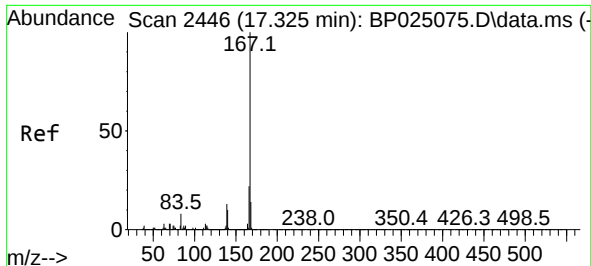
Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

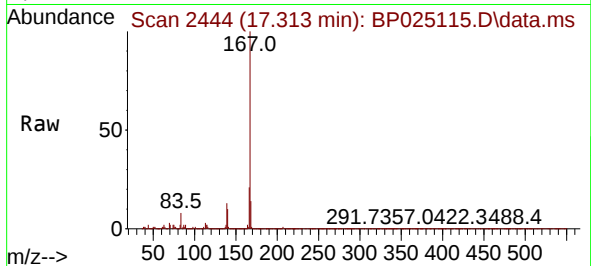
179 15.6 12.5 18.7





#73
 Carbazole
 Concen: 7.479 ng
 RT: 17.313 min Scan# 2444
 Delta R.T. -0.012 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

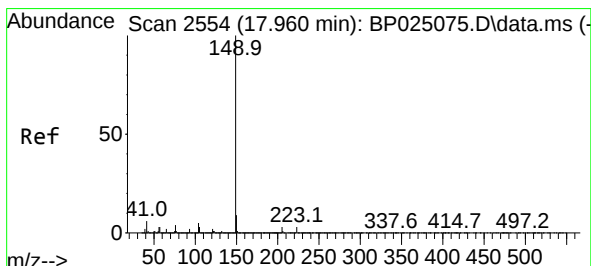
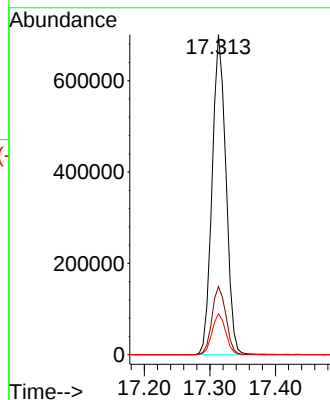
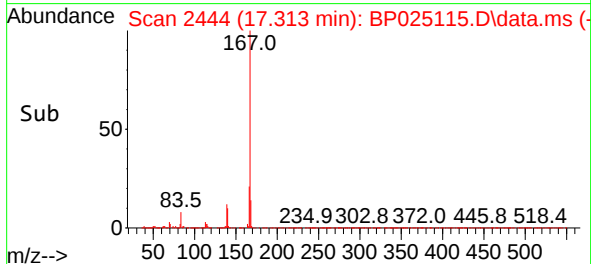
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion:167 Resp: 1024033
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 12.8 10.4 15.6

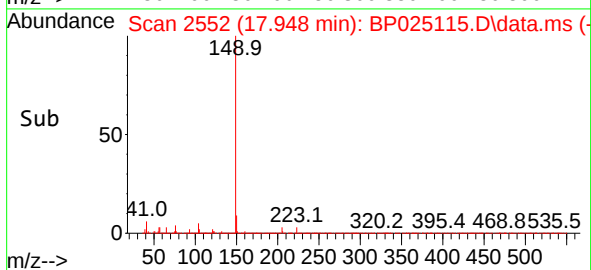
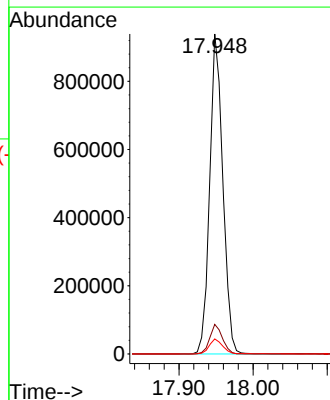
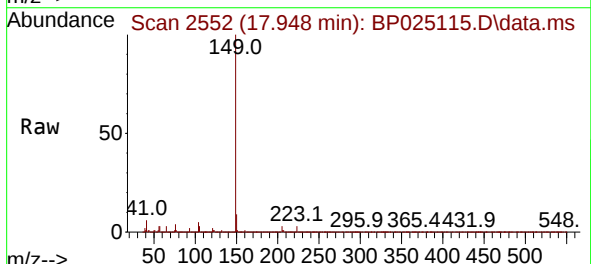
Manual Integrations
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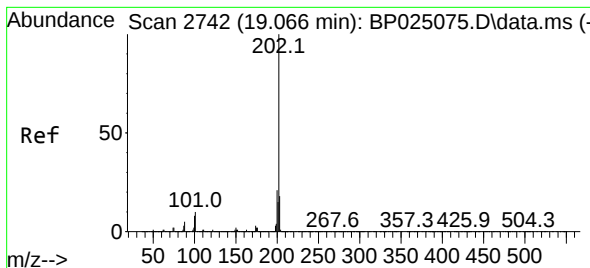
Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#74
 Di-n-butylphthalate
 Concen: 7.588 ng
 RT: 17.948 min Scan# 2552
 Delta R.T. -0.012 min
 Lab File: BP025115.D
 Acq: 14 Jul 2025 11:25

Tgt Ion:149 Resp: 1157034
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.7 3.8 5.6





#75

Fluoranthene

Concen: 7.444 ng

RT: 19.042 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:202 Resp: 1270064

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

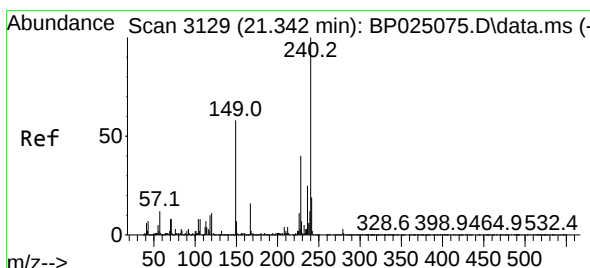
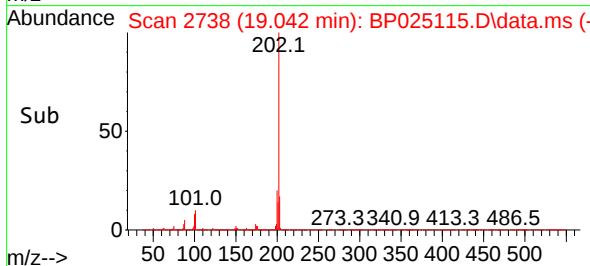
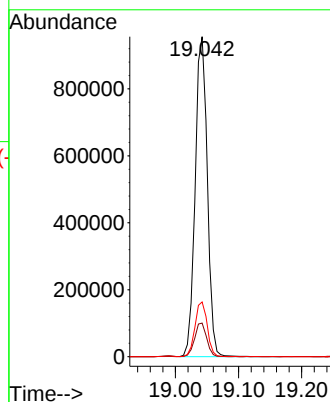
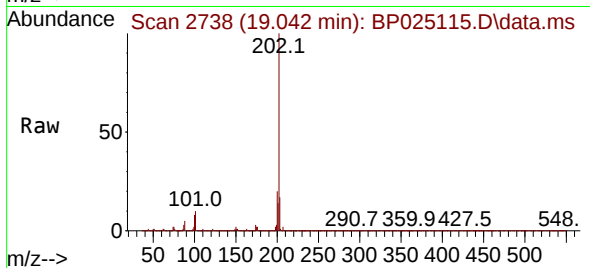
203 17.1 0.0 37.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.336 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

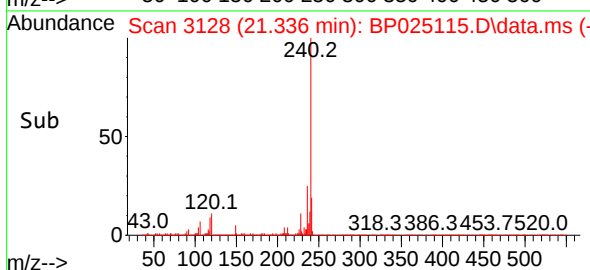
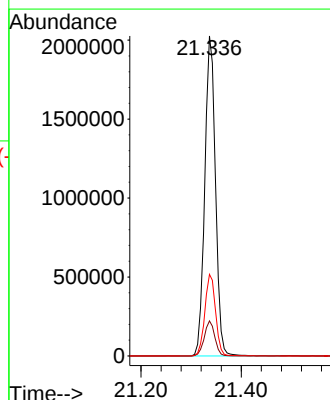
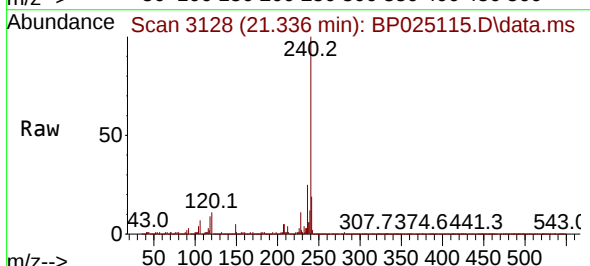
Tgt Ion:240 Resp: 3007225

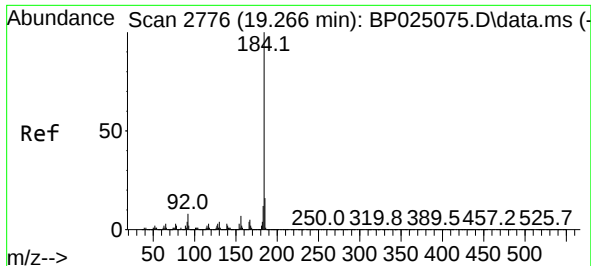
Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.4

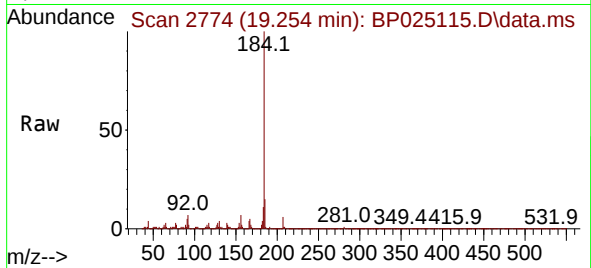
236 25.5 20.3 30.5





#77
Benzidine
Concen: 9.883 ng
RT: 19.254 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

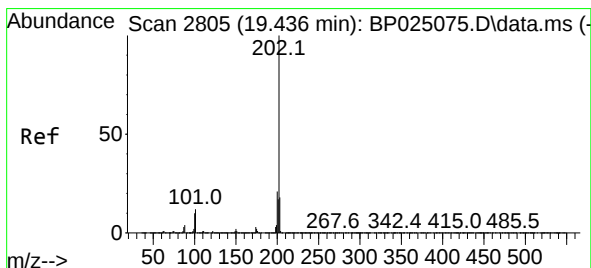
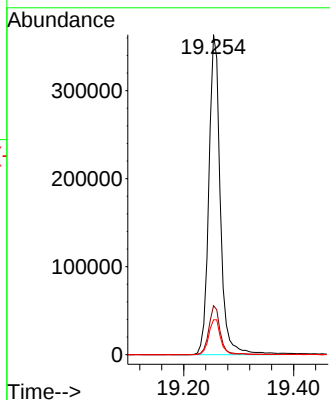
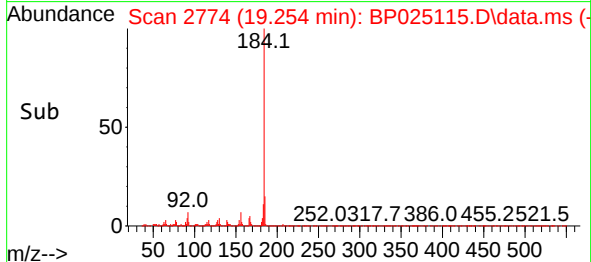
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:184 Resp: 52492
Ion Ratio Lower Upper
184 100
185 15.3 12.6 18.8
183 10.9 9.4 14.2

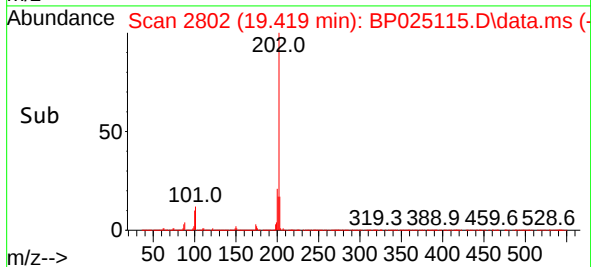
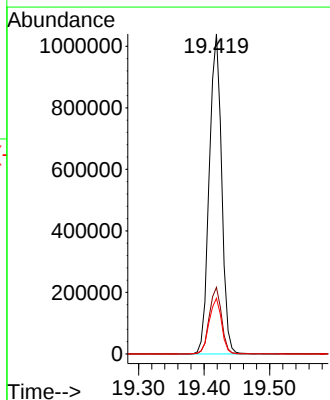
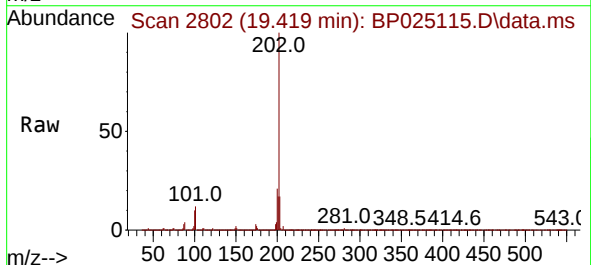
Manual Integrations
APPROVED

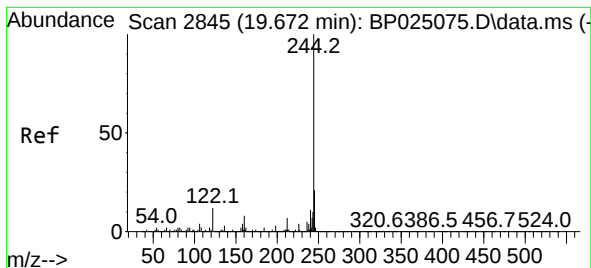
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#78
Pyrene
Concen: 7.306 ng
RT: 19.419 min Scan# 2802
Delta R.T. -0.017 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:202 Resp: 1360792
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 87.514 ng

RT: 19.672 min Scan# 2845

Delta R.T. 0.000 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:244 Resp:1197443

Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

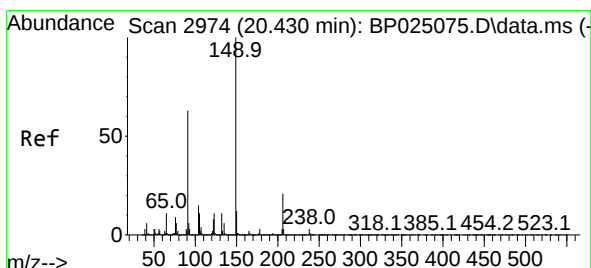
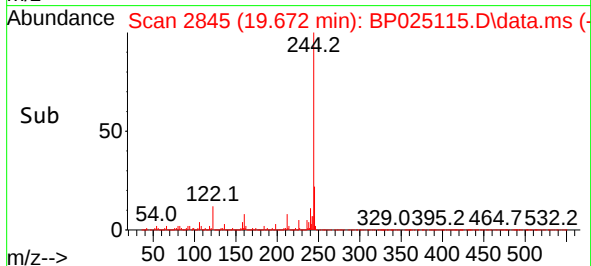
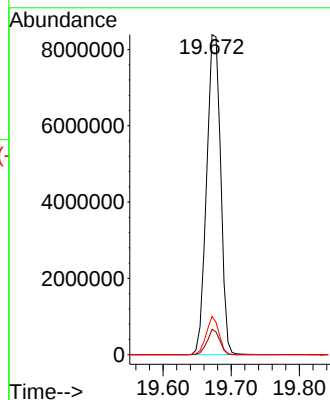
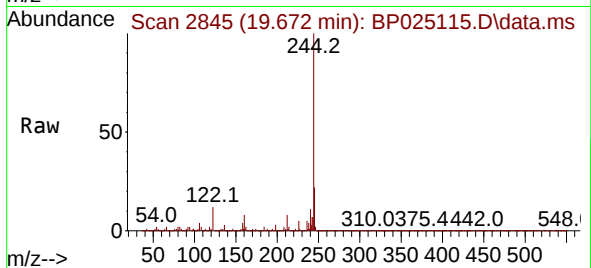
122 11.9 9.4 14.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#80

Butylbenzylphthalate

Concen: 9.793 ng

RT: 20.425 min Scan# 2973

Delta R.T. -0.005 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

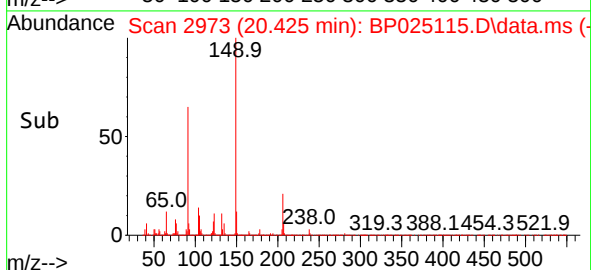
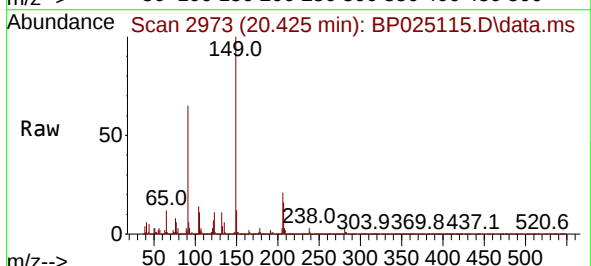
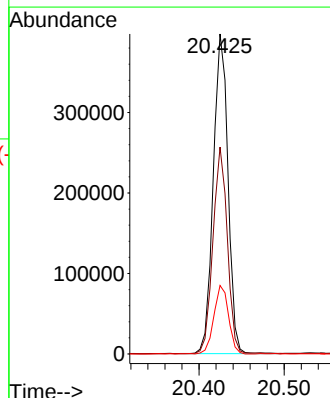
Tgt Ion:149 Resp: 475015

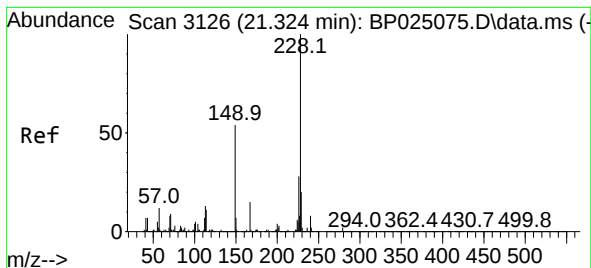
Ion Ratio Lower Upper

149 100

91 64.6 50.6 76.0

206 21.4 17.2 25.8





#81

Benzo(a)anthracene

Concen: 7.620 ng

RT: 21.319 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:228 Resp: 138862

Ion Ratio Lower Upper

228 100

226 27.0 22.1 33.1

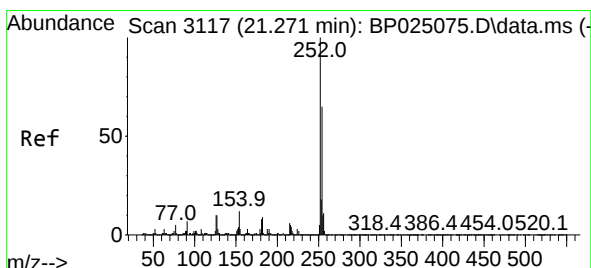
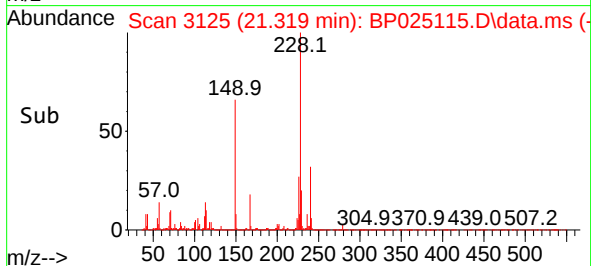
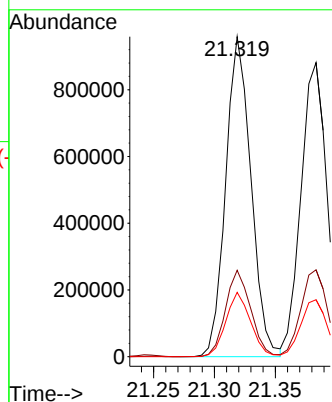
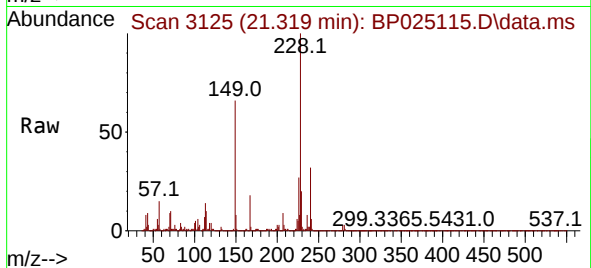
229 20.1 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 7.906 ng

RT: 21.242 min Scan# 3112

Delta R.T. -0.029 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

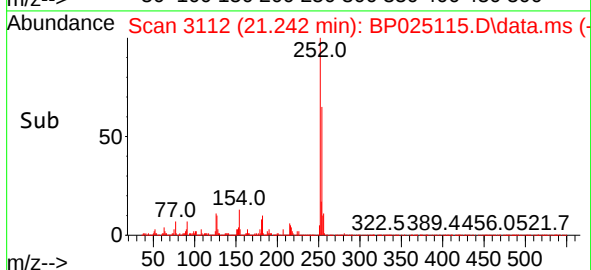
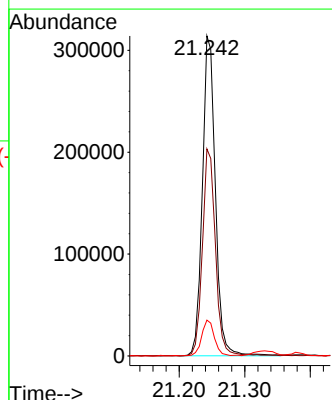
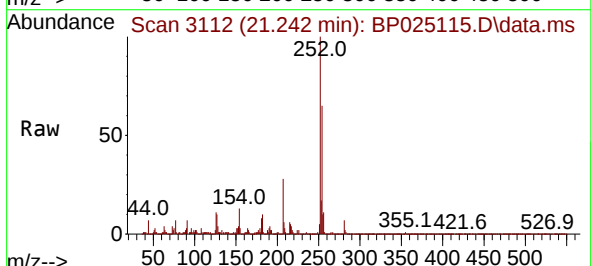
Tgt Ion:252 Resp: 433725

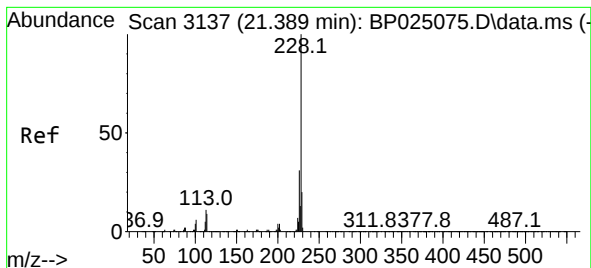
Ion Ratio Lower Upper

252 100

254 64.7 51.9 77.9

126 11.2 8.1 12.1





#83

Chrysene

Concen: 7.495 ng

RT: 21.383 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:228 Resp: 131449

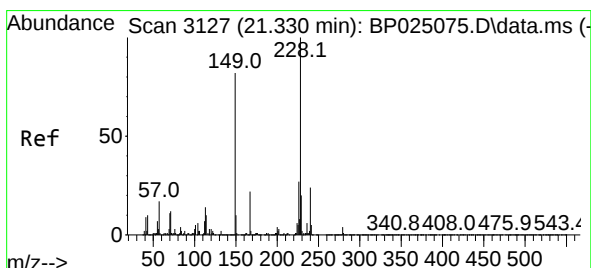
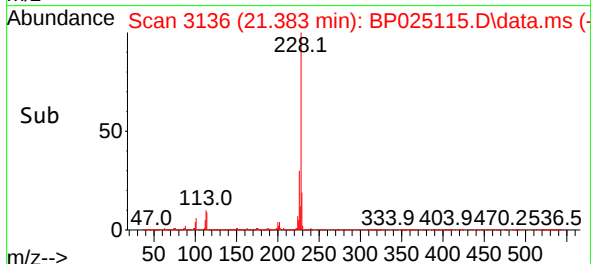
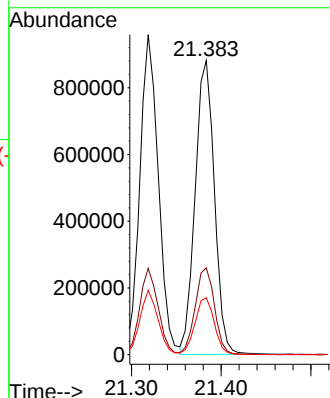
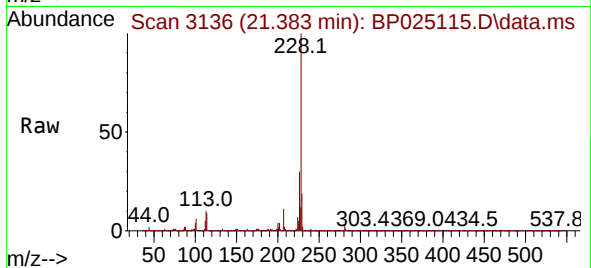
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	19.4	16.0	24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.936 ng

RT: 21.319 min Scan# 3125

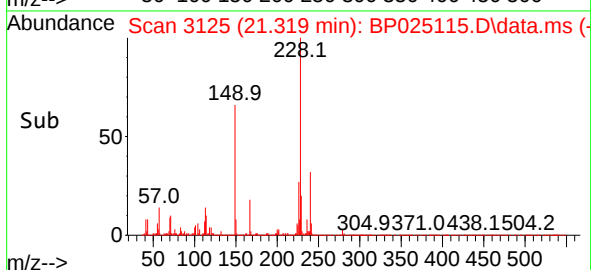
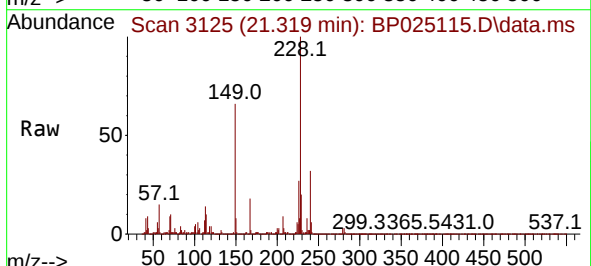
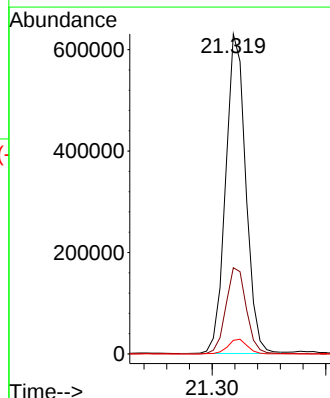
Delta R.T. -0.012 min

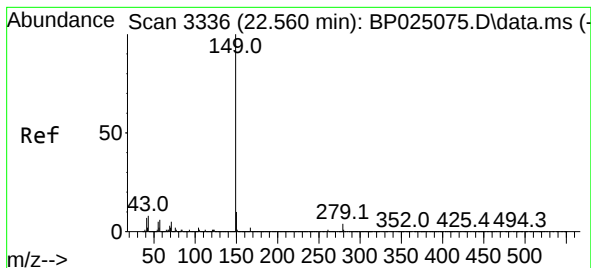
Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Tgt Ion:149 Resp: 775725

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.9	32.9
279	4.3	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 11.635 ng

RT: 22.530 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:149 Resp: 113668

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

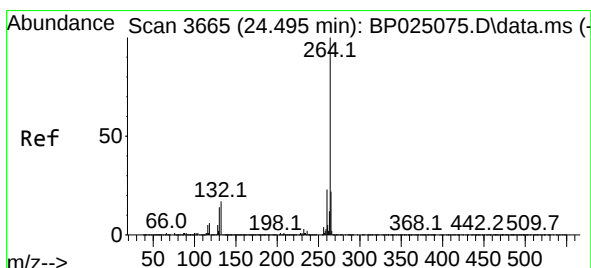
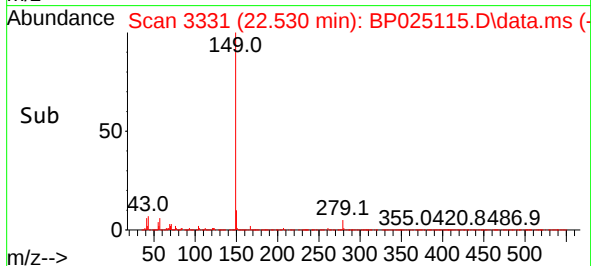
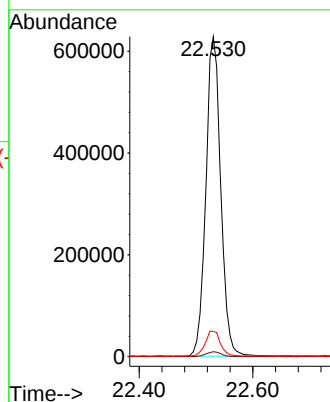
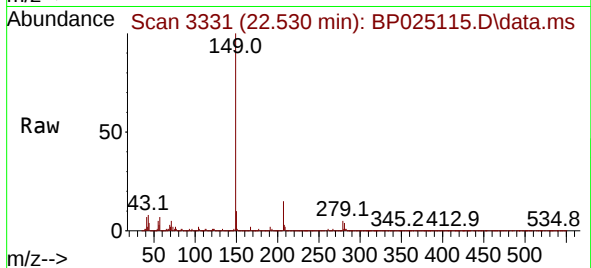
43 8.3 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.460 min Scan# 3659

Delta R.T. -0.035 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

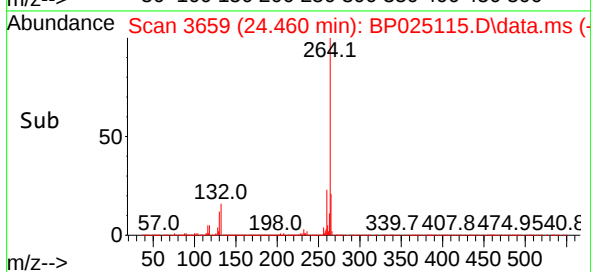
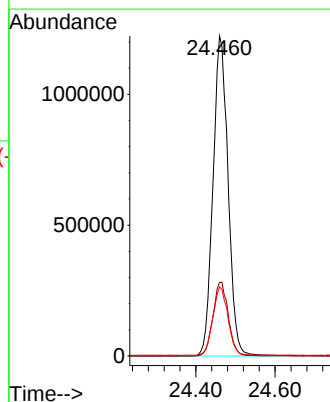
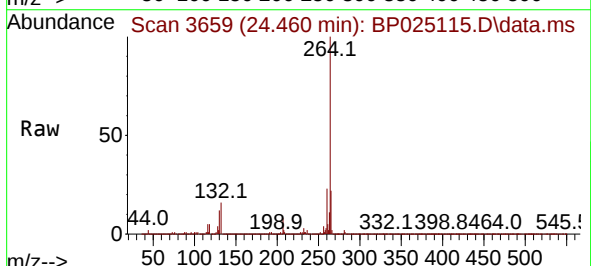
Tgt Ion:264 Resp: 3225041

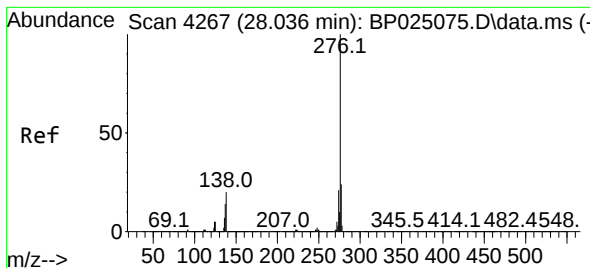
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.5 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.287 ng m

RT: 27.965 min Scan# 41

Delta R.T. -0.070 min

Lab File: BP025115.D

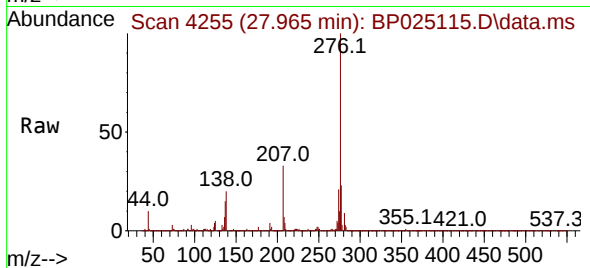
Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:276 Resp: 149714

Ion Ratio Lower Upper

276 100

138 16.4 13.0 19.6

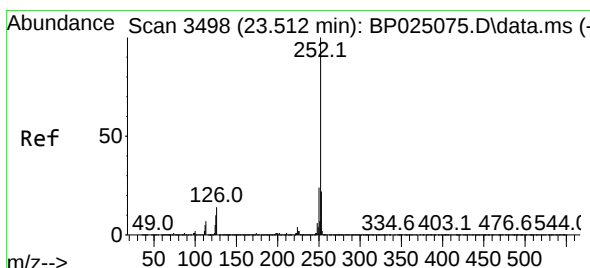
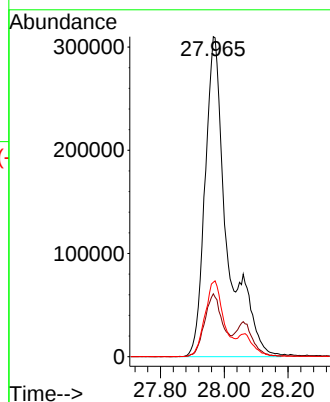
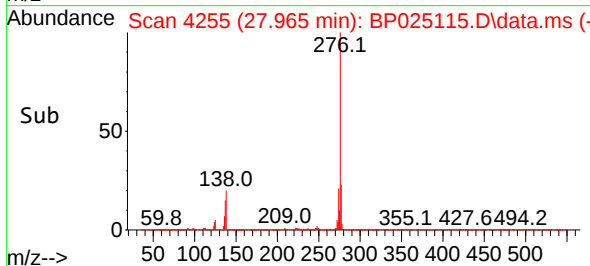
277 20.2 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#88

Benzo(b)fluoranthene

Concen: 6.855 ng

RT: 23.477 min Scan# 3492

Delta R.T. -0.035 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

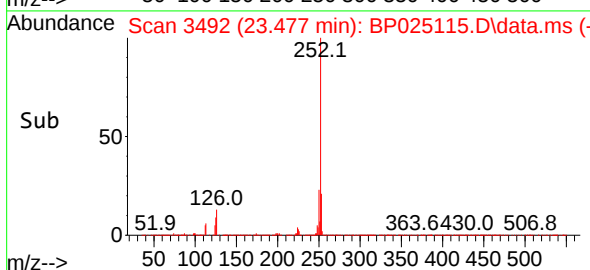
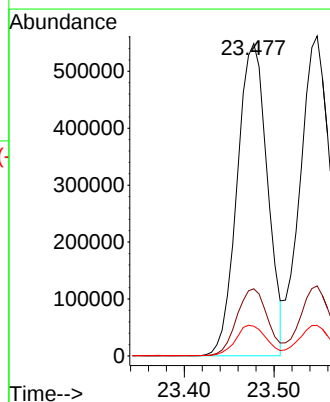
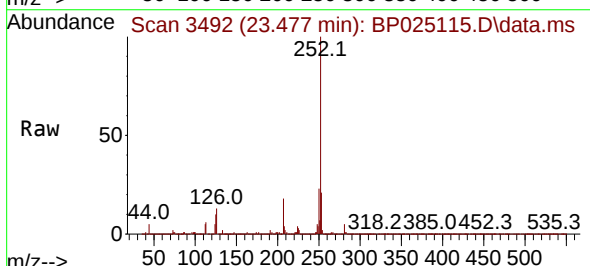
Tgt Ion:252 Resp: 1286779

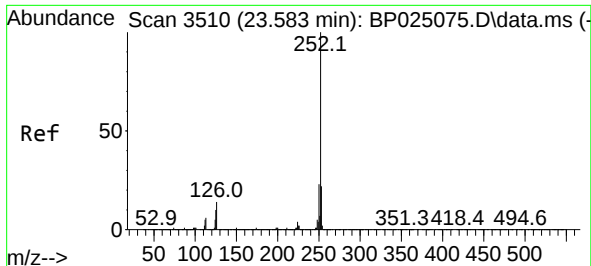
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

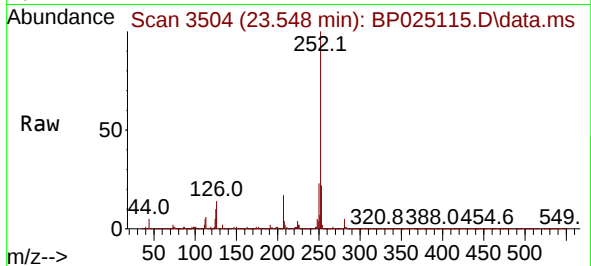
125 9.5 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 7.225 ng
RT: 23.548 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

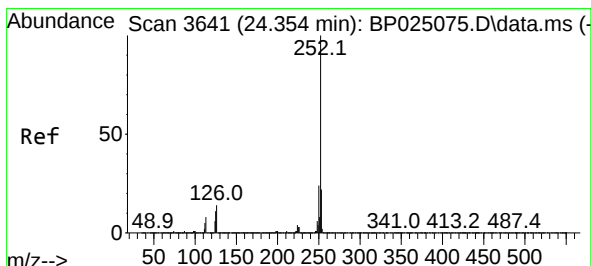
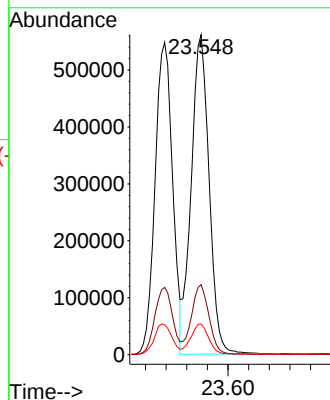
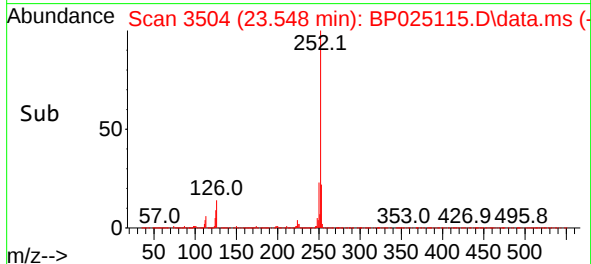
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:252 Resp: 134951
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 9.5 8.2 12.2

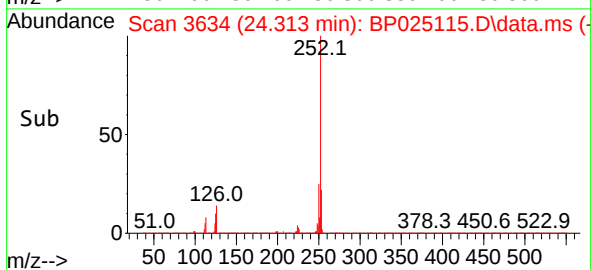
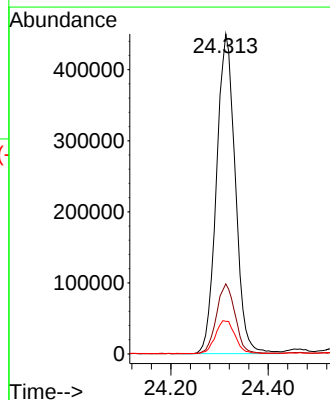
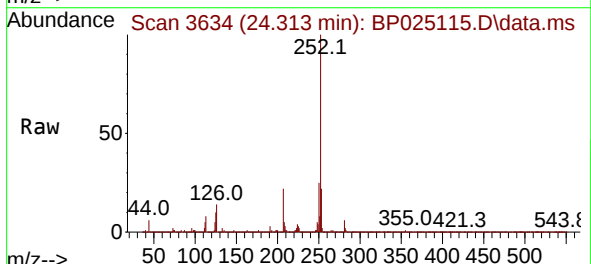
Manual Integrations
APPROVED

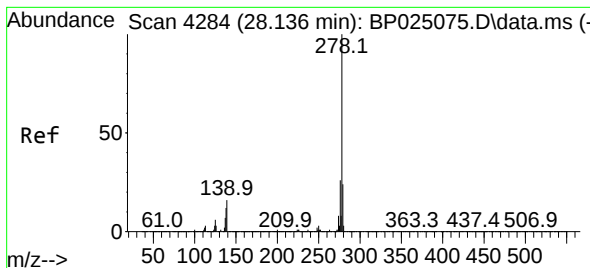
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#90
Benzo(a)pyrene
Concen: 7.549 ng
RT: 24.313 min Scan# 3634
Delta R.T. -0.041 min
Lab File: BP025115.D
Acq: 14 Jul 2025 11:25

Tgt Ion:252 Resp: 1206015
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 10.2 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 7.224 ng

RT: 28.060 min Scan# 4411

Delta R.T. -0.076 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:278 Resp: 1226810

Ion Ratio Lower Upper

278 100

139 15.1 13.1 19.7

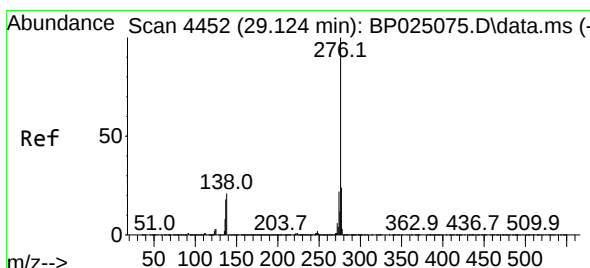
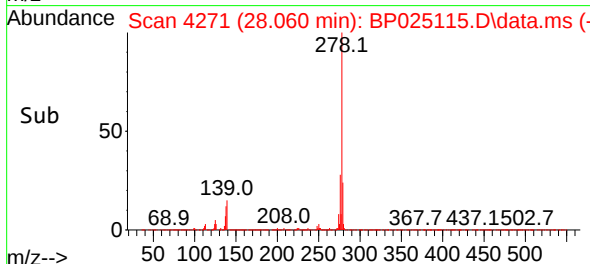
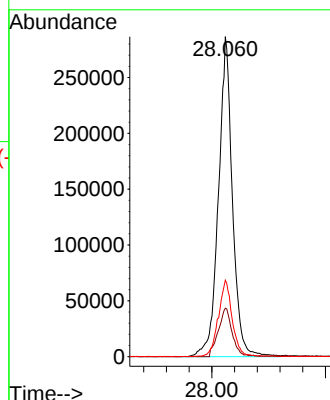
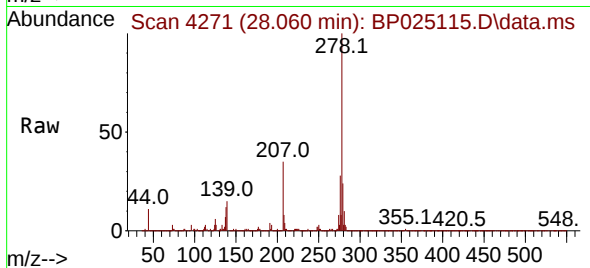
279 23.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#92

Benzo(g,h,i)perylene

Concen: 7.060 ng

RT: 29.048 min Scan# 4439

Delta R.T. -0.076 min

Lab File: BP025115.D

Acq: 14 Jul 2025 11:25

Tgt Ion:276 Resp: 1238591

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 21.0 16.9 25.3

