

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025114.D
 Acq On : 14 Jul 2025 10:44
 Operator : CG/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 14 11:15:03 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	389870	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1633575	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	1104464	20.000	ng	-0.02
64) Phenanthrene-d10	16.895	188	2379249	20.000	ng	-0.01
76) Chrysene-d12	21.330	240	2691664	20.000	ng	-0.01
86) Perylene-d12	24.465	264	2904678	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2703392	122.862	ng	0.00
7) Phenol-d6	6.625	99	3484329	121.345	ng	0.00
23) Nitrobenzene-d5	8.560	82	2278824	92.774	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1909213	146.329	ng	0.00
45) 2-Fluorobiphenyl	12.690	172	6164820	86.470	ng	0.00
79) Terphenyl-d14	19.666	244	11097414	90.612	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.120	88	32499	3.798	ng	97
3) Pyridine	3.496	79	86384	3.688	ng	98
4) n-Nitrosodimethylamine	3.408	42	35997	3.629	ng	# 89
6) Aniline	6.778	93	141835	5.287	ng	100
8) 2-Chlorophenol	7.008	128	99741	4.051	ng	97
9) Benzaldehyde	6.596	77	82994	5.534	ng	98
10) Phenol	6.649	94	114510	3.925	ng	93
11) bis(2-Chloroethyl)ether	6.878	93	86345	3.845	ng	97
12) 1,3-Dichlorobenzene	7.331	146	112867	4.096	ng	98
13) 1,4-Dichlorobenzene	7.472	146	115703	4.148	ng	97
14) 1,2-Dichlorobenzene	7.778	146	111732	4.164	ng	98
15) Benzyl Alcohol	7.666	79	74501	3.887	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.966	45	115703	3.963	ng	98
17) 2-Methylphenol	7.872	107	72435	3.854	ng	97
18) Hexachloroethane	8.496	117	37405	4.116	ng	95
19) n-Nitroso-di-n-propyla...	8.225	70	67582	3.969	ng	96
20) 3+4-Methylphenols	8.190	107	97598	3.707	ng	97
22) Acetophenone	8.237	105	153742	3.980	ng	# 97
24) Nitrobenzene	8.602	77	100088	4.000	ng	96
25) Isophorone	9.131	82	184673	4.023	ng	100
26) 2-Nitrophenol	9.302	139	39459	6.328	ng	94
27) 2,4-Dimethylphenol	9.378	122	88593	5.174	ng	99
28) bis(2-Chloroethoxy)met...	9.607	93	120554	3.868	ng	97
29) 2,4-Dichlorophenol	9.837	162	85122	3.585	ng	96
30) 1,2,4-Trichlorobenzene	10.049	180	105356	4.007	ng	98
31) Naphthalene	10.231	128	325151	3.865	ng	99
32) Benzoic acid	9.425	122	37979m	8.137	ng	
33) 4-Chloroaniline	10.331	127	131910	4.202	ng	98
34) Hexachlorobutadiene	10.537	225	59864	3.967	ng	98
35) Caprolactam	11.078	113	28628	3.524	ng	98
36) 4-Chloro-3-methylphenol	11.472	107	85388	3.441	ng	96
37) 2-Methylnaphthalene	11.854	142	207036	3.488	ng	100
38) 1-Methylnaphthalene	12.072	142	218439	3.774	ng	99
40) 1,2,4,5-Tetrachloroben...	12.237	216	122002	3.844	ng	100
41) Hexachlorocyclopentadiene	12.225	237	51320	6.190	ng	98
43) 2,4,6-Trichlorophenol	12.478	196	67897	3.533	ng	97

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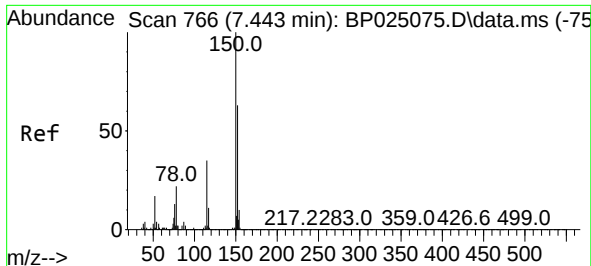
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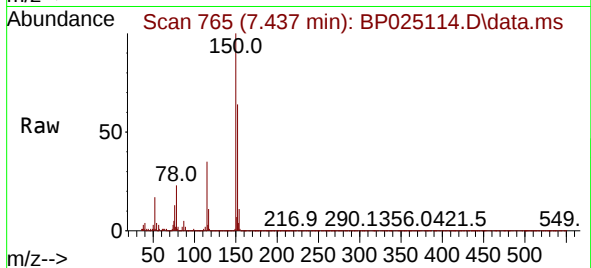
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.548	196	76229	3.500	ng	97
46) 1,1'-Biphenyl	12.895	154	315294	3.924	ng	99
47) 2-Chloronaphthalene	12.931	162	238483	3.948	ng	98
48) 2-Nitroaniline	13.131	65	46144	5.704	ng	98
49) Acenaphthylene	13.790	152	378051	4.090	ng	99
50) Dimethylphthalate	13.543	163	300778	3.890	ng	99
51) 2,6-Dinitrotoluene	13.643	165	53889	3.574	ng	99
52) Acenaphthene	14.142	154	224120	3.762	ng	98
53) 3-Nitroaniline	13.972	138	58857	3.642	ng	# 99
54) 2,4-Dinitrophenol	14.190	184	18858	7.772	ng	94
55) Dibenzofuran	14.490	168	377906	3.843	ng	99
56) 4-Nitrophenol	14.295	139	46858	3.142	ng	95
57) 2,4-Dinitrotoluene	14.454	165	66429	5.474	ng	98
58) Fluorene	15.154	166	301999	3.971	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.719	232	70494	3.574	ng	99
60) Diethylphthalate	14.948	149	292350	3.765	ng	99
61) 4-Chlorophenyl-phenyle...	15.160	204	149054	3.960	ng	99
62) 4-Nitroaniline	15.160	138	61835	3.649	ng	97
63) Azobenzene	15.460	77	240941	3.484	ng	97
65) 4,6-Dinitro-2-methylph...	15.231	198	28917	7.939	ng	96
66) n-Nitrosodiphenylamine	15.378	169	249637	3.666	ng	99
67) 4-Bromophenyl-phenylether	16.078	248	93085	3.821	ng	92
68) Hexachlorobenzene	16.172	284	118721	3.987	ng	96
69) Atrazine	16.372	200	92319	4.627	ng	98
70) Pentachlorophenol	16.536	266	59305	2.949	ng	99
71) Phenanthrene	16.936	178	518302	4.077	ng	99
72) Anthracene	17.031	178	484992	3.976	ng	100
73) Carbazole	17.313	167	461363	3.869	ng	99
74) Di-n-butylphthalate	17.948	149	477557	3.596	ng	100
75) Fluoranthene	19.042	202	565150	3.803	ng	98
77) Benzidine	19.254	184	191455	4.027	ng	98
78) Pyrene	19.419	202	610612	3.663	ng	99
80) Butylbenzylphthalate	20.424	149	192445	6.448	ng	96
81) Benzo(a)anthracene	21.313	228	640690	3.928	ng	99
82) 3,3'-Dichlorobenzidine	21.248	252	184425	3.756	ng	99
83) Chrysene	21.372	228	614618	3.915	ng	99
84) Bis(2-ethylhexyl)phtha...	21.319	149	310641	3.550	ng	99
85) Di-n-octyl phthalate	22.530	149	446787	8.530	ng	99
87) Indeno(1,2,3-cd)pyrene	27.959	276	708779m	3.830	ng	
88) Benzo(b)fluoranthene	23.471	252	612999	3.626	ng	99
89) Benzo(k)fluoranthene	23.542	252	611852	3.637	ng	99
90) Benzo(a)pyrene	24.307	252	559686	3.890	ng	99
91) Dibenzo(a,h)anthracene	28.054	278	575254	3.761	ng	97
92) Benzo(g,h,i)perylene	29.042	276	588175	3.722	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

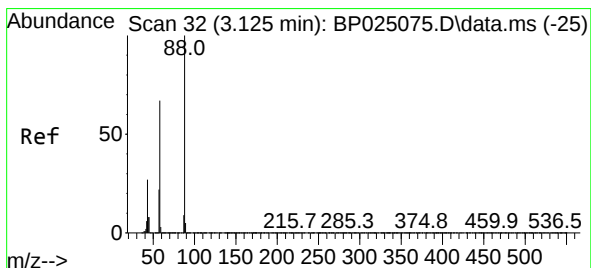
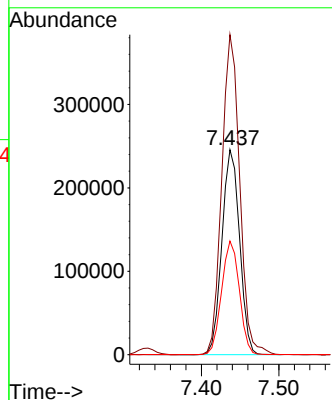
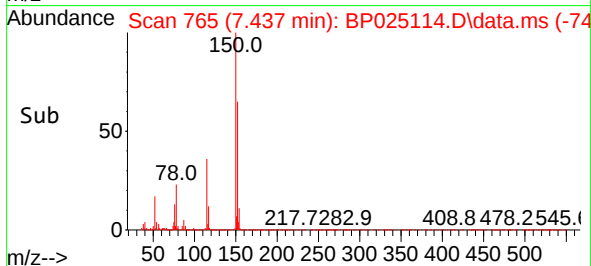
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 389870
Ion Ratio Lower Upper
152 100
150 156.1 126.1 189.1
115 55.4 44.3 66.5

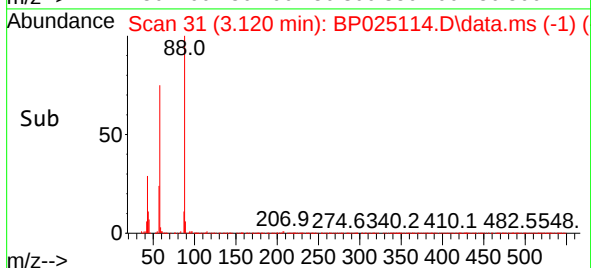
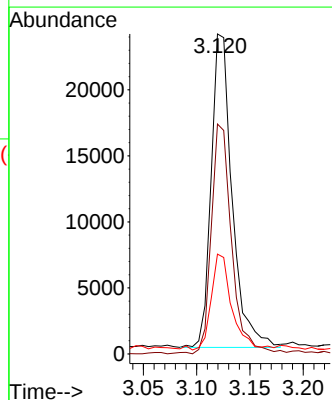
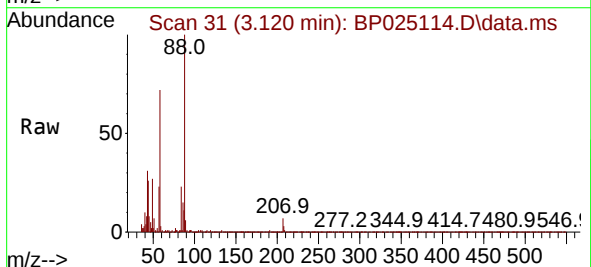
Manual Integrations
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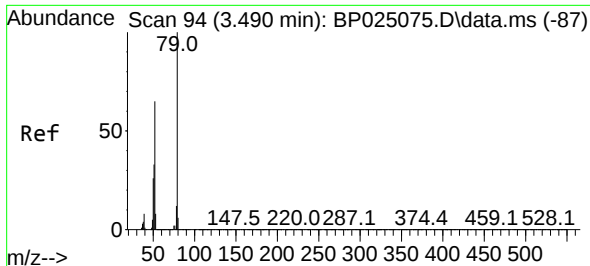
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#2
1,4-Dioxane
Concen: 3.798 ng
RT: 3.120 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion: 88 Resp: 32499
Ion Ratio Lower Upper
88 100
58 71.0 55.0 82.4
43 28.9 21.9 32.9





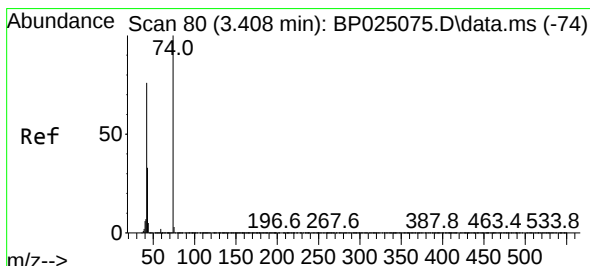
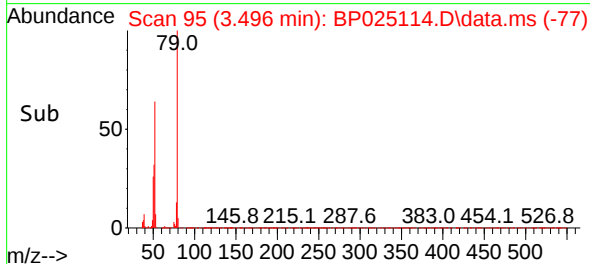
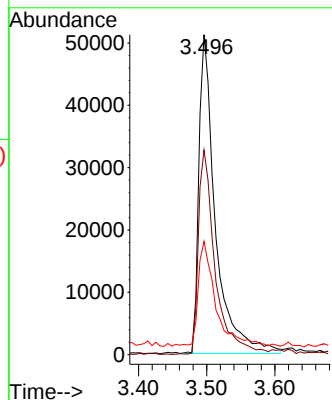
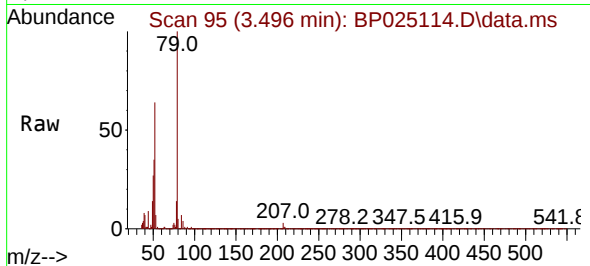
#3
Pyridine
Concen: 3.688 ng
RT: 3.496 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion: 79 Resp: 86384
Ion Ratio Lower Upper
79 100
52 63.9 52.2 78.4
51 35.4 26.8 40.2

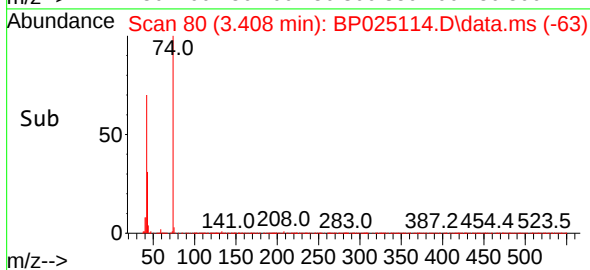
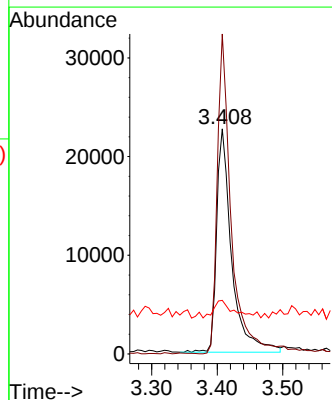
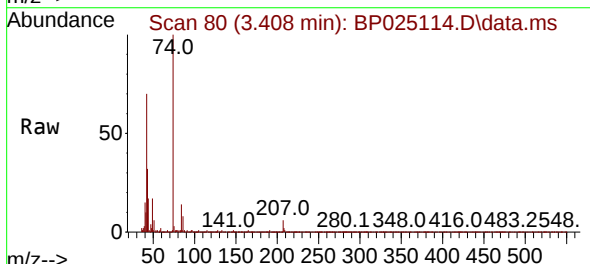
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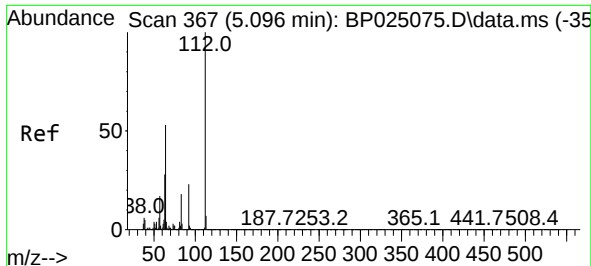
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Supervised By :Jagrut Upadhyay 07/15/2025



#4
n-Nitrosodimethylamine
Concen: 3.629 ng
RT: 3.408 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

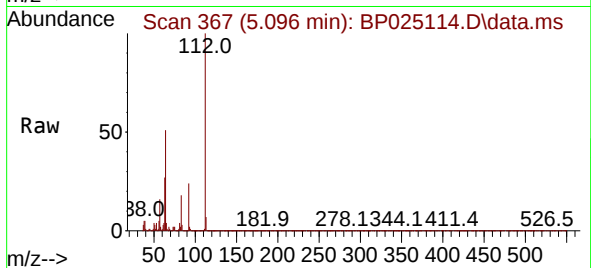
Tgt Ion: 42 Resp: 35997
Ion Ratio Lower Upper
42 100
74 142.2 105.2 157.8
44 23.8 6.6 9.8





#5
2-Fluorophenol
Concen: 122.862 ng
RT: 5.096 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

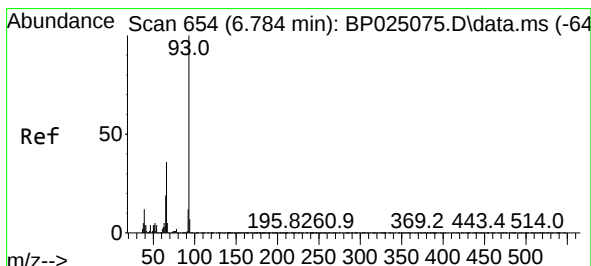
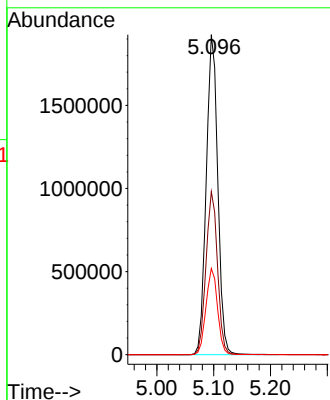
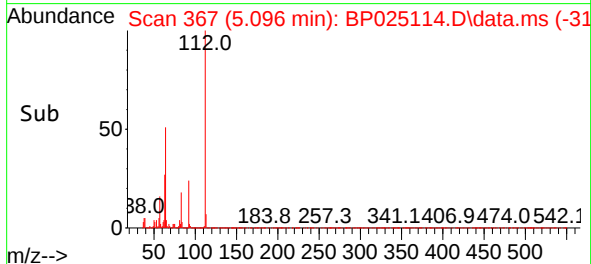
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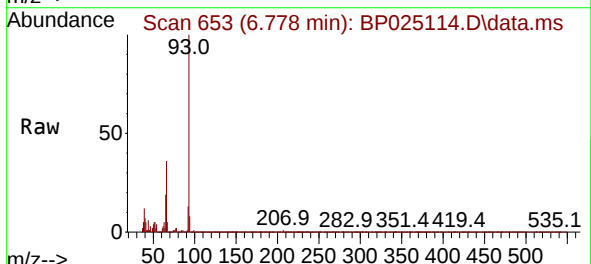
Tgt Ion:112 Resp: 2703392
Ion Ratio Lower Upper
112 100
64 51.0 42.0 63.0
63 26.9 22.2 33.2

Manual Integrations
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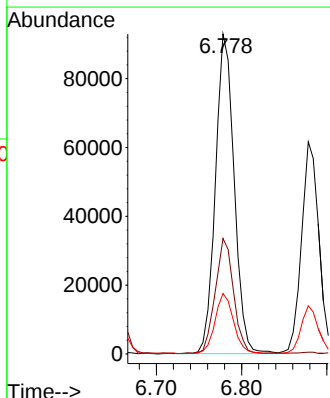
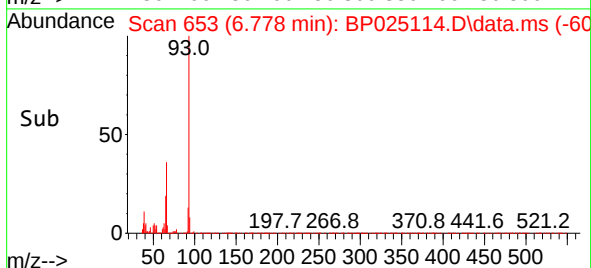
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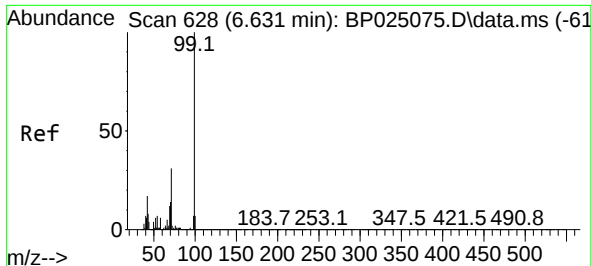


#6
Aniline
Concen: 5.287 ng
RT: 6.778 min Scan# 653
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



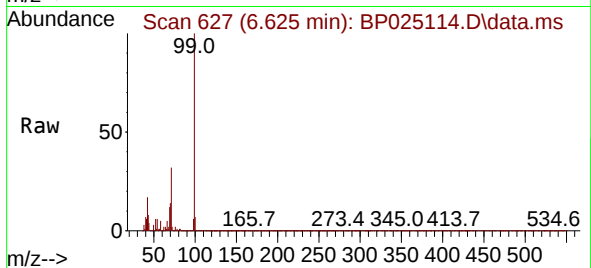
Tgt Ion: 93 Resp: 141835
Ion Ratio Lower Upper
93 100
66 36.1 28.9 43.3
65 18.9 15.2 22.8





#7
Phenol-d6
Concen: 121.345 ng
RT: 6.625 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

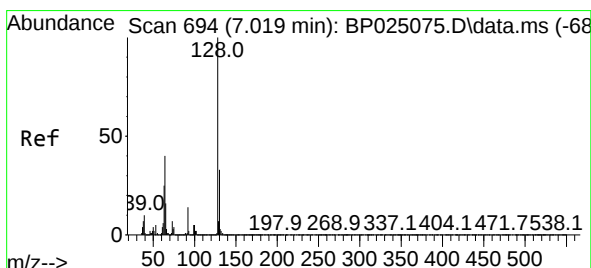
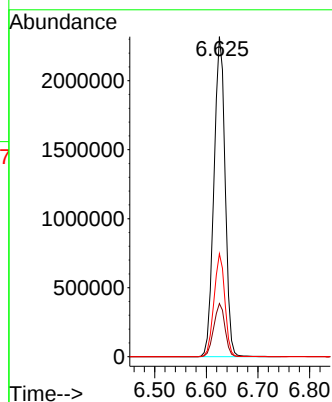
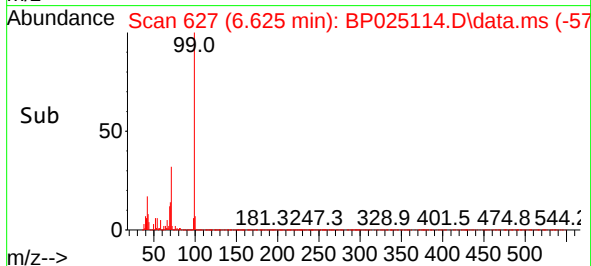
Instrument :
BNA_P
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Tgt Ion: 99 Resp: 3484329
Ion Ratio Lower Upper
99 100
42 16.6 13.6 20.4
71 32.2 24.4 36.6

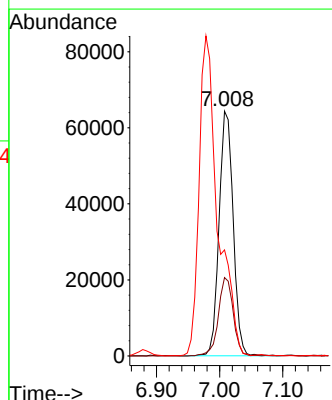
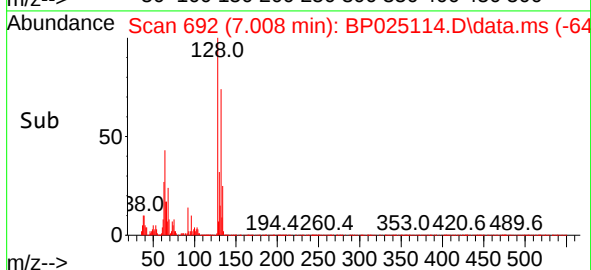
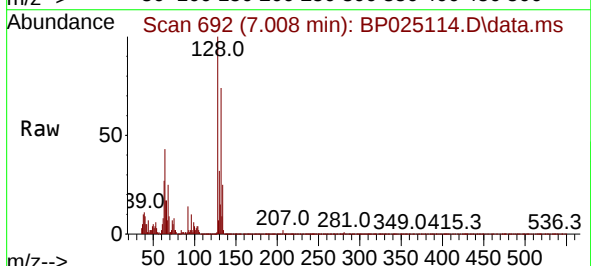
Manual Integrations
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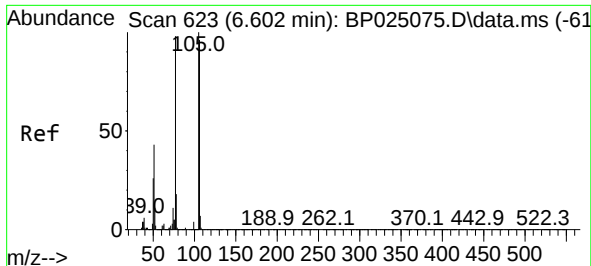
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#8
2-Chlorophenol
Concen: 4.051 ng
RT: 7.008 min Scan# 692
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

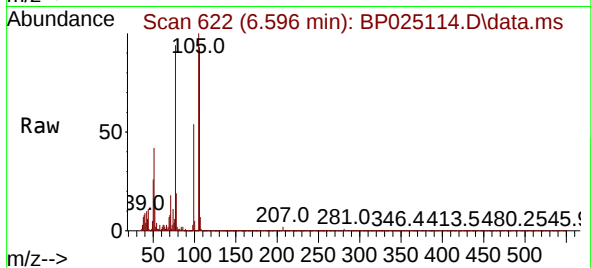
Tgt Ion:128 Resp: 99741
Ion Ratio Lower Upper
128 100
130 32.0 12.9 52.9
64 43.3 20.3 60.3





#9
Benzaldehyde
Concen: 5.534 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025114.D
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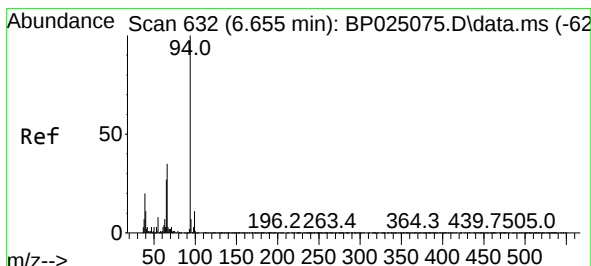
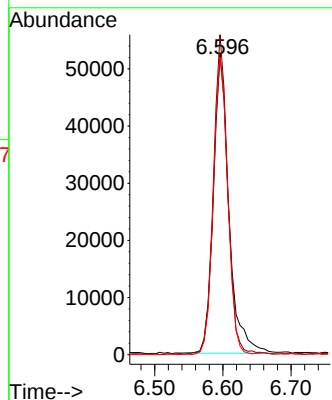
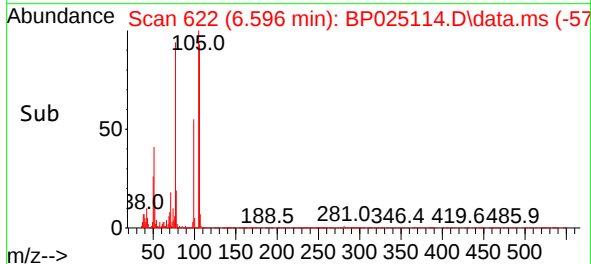
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 77 Resp: 82994
Ion Ratio Lower Upper
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105 106.5 82.4 122.4
106 99.0 78.3 118.3

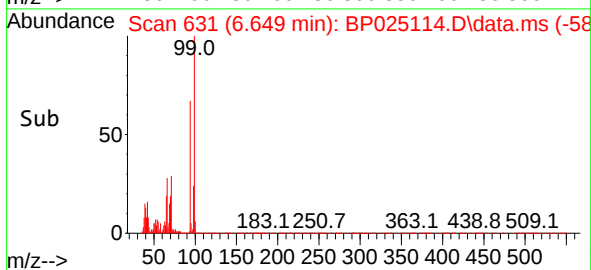
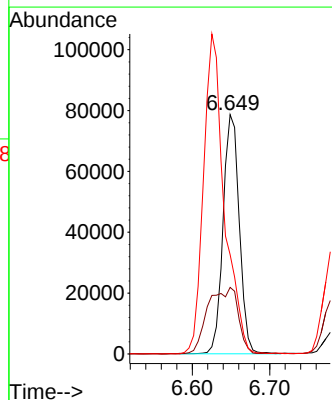
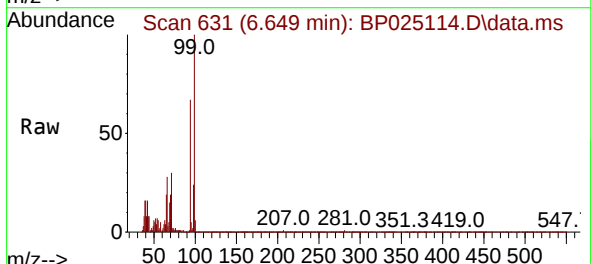
Manual Integrations
APPROVED

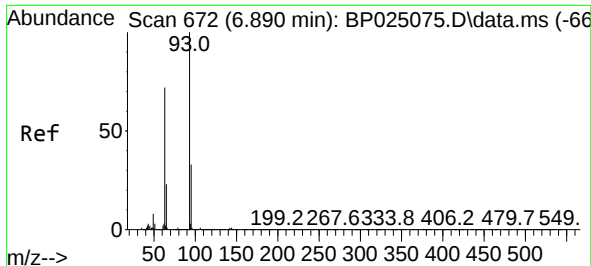
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#10
Phenol
Concen: 3.925 ng
RT: 6.649 min Scan# 631
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion: 94 Resp: 114510
Ion Ratio Lower Upper
94 100
65 27.8 6.9 46.9
66 41.5 14.6 54.6





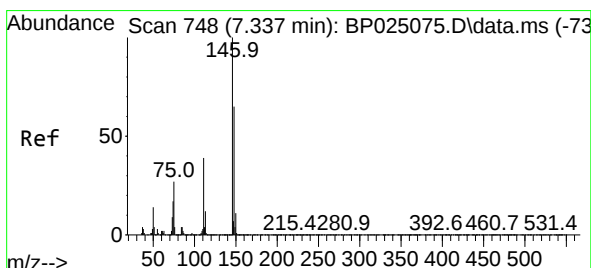
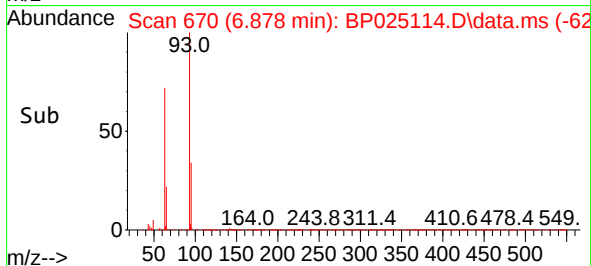
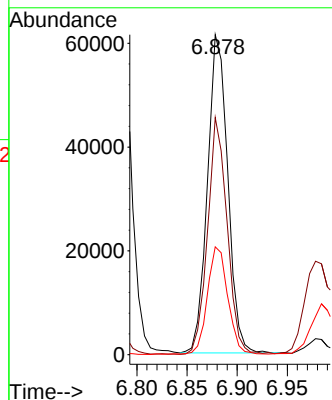
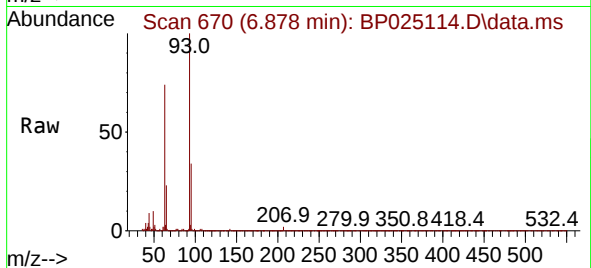
#11
bis(2-Chloroethyl)ether
Concen: 3.845 ng
RT: 6.878 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion: 93 Resp: 8634
Ion Ratio Lower Upper
93 100
63 74.1 51.9 91.9
95 33.7 12.4 52.4

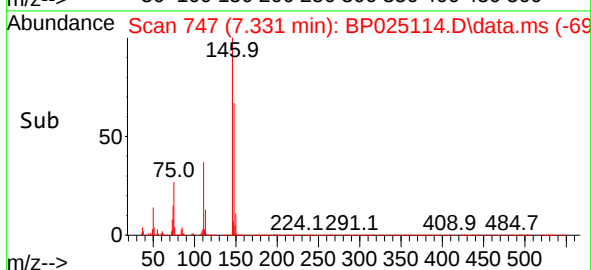
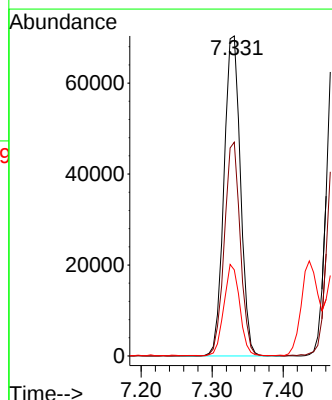
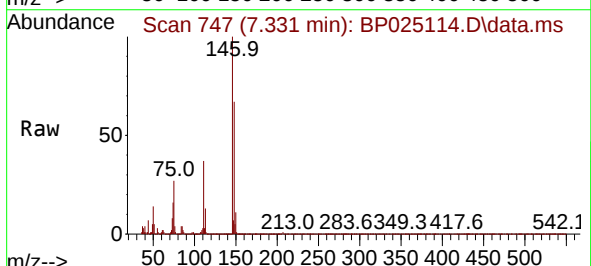
Manual Integrations
APPROVED

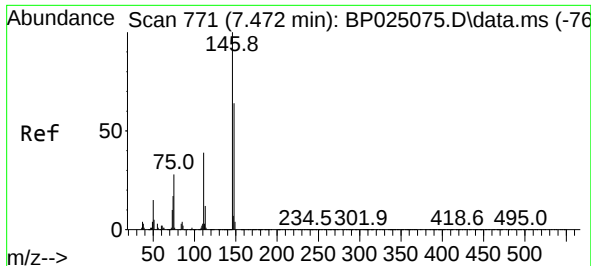
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#12
1,3-Dichlorobenzene
Concen: 4.096 ng
RT: 7.331 min Scan# 747
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:146 Resp: 112867
Ion Ratio Lower Upper
146 100
148 66.8 51.9 77.9
75 26.9 21.8 32.6





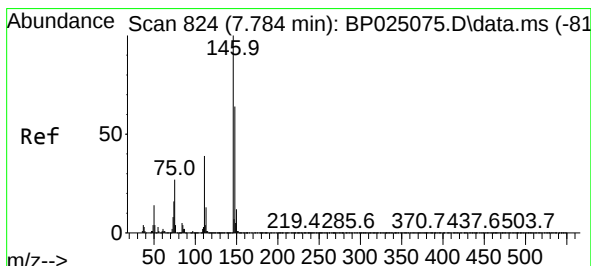
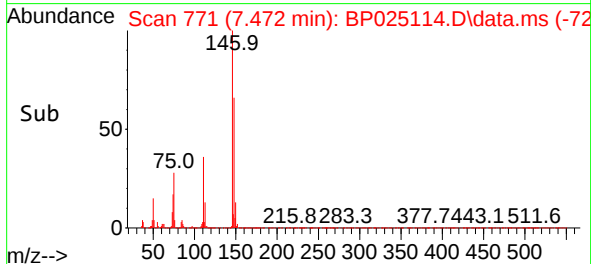
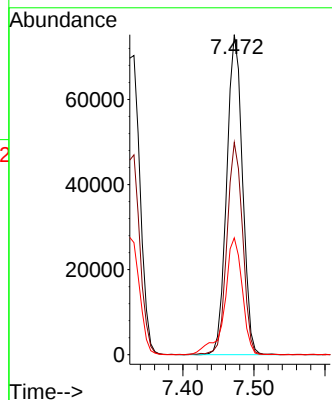
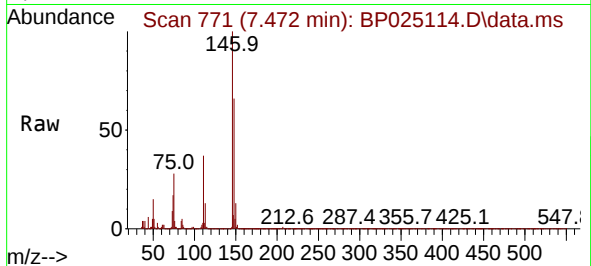
#13
1,4-Dichlorobenzene
Concen: 4.148 ng
RT: 7.472 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:146 Resp: 11570
Ion Ratio Lower Upper
146 100
148 66.3 51.1 76.7
111 36.5 31.2 46.8

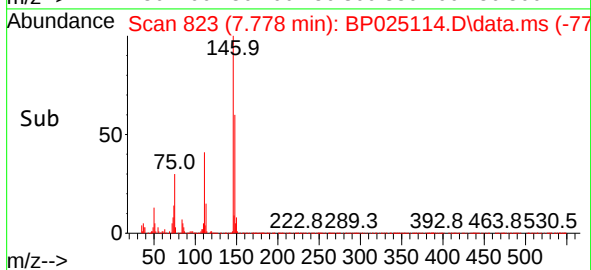
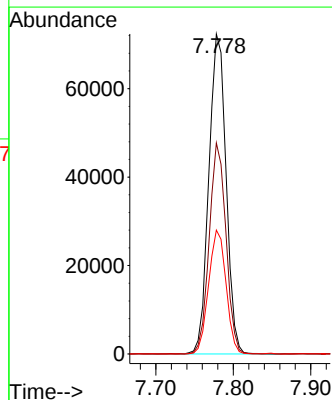
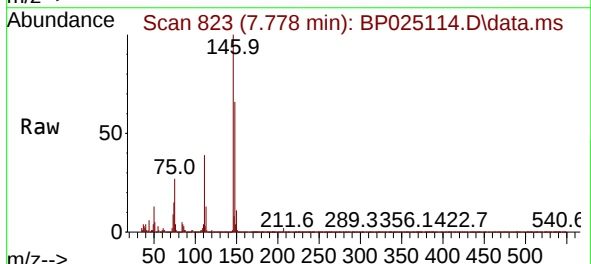
Manual Integrations
APPROVED

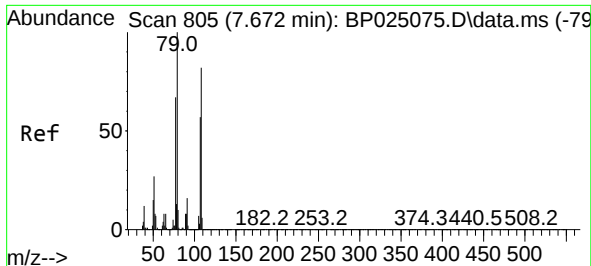
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#14
1,2-Dichlorobenzene
Concen: 4.164 ng
RT: 7.778 min Scan# 823
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:146 Resp: 111732
Ion Ratio Lower Upper
146 100
148 65.9 51.1 76.7
111 38.7 31.2 46.8





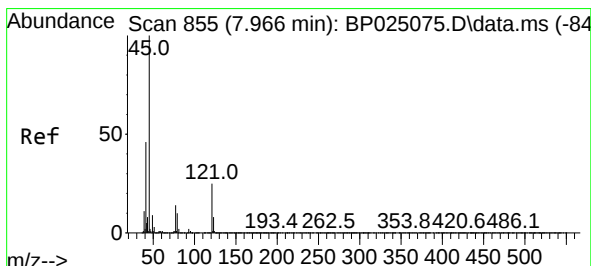
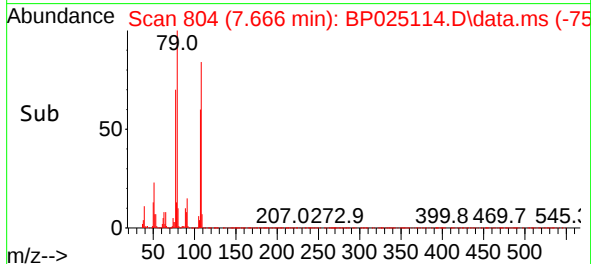
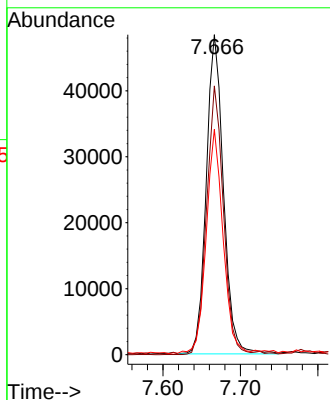
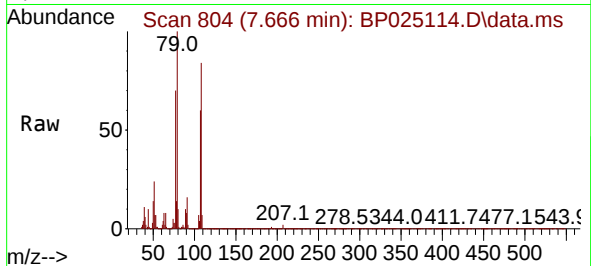
#15
Benzyl Alcohol
Concen: 3.887 ng
RT: 7.666 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion: 79 Resp: 7450
Ion Ratio Lower Upper
79 100
108 84.0 66.0 99.0
77 70.4 53.4 80.2

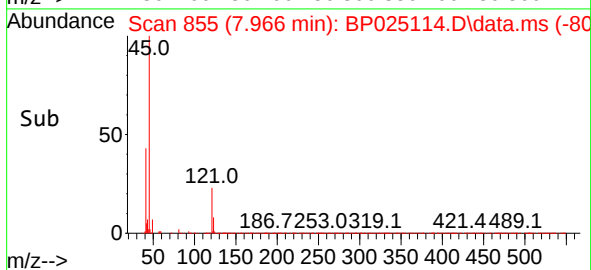
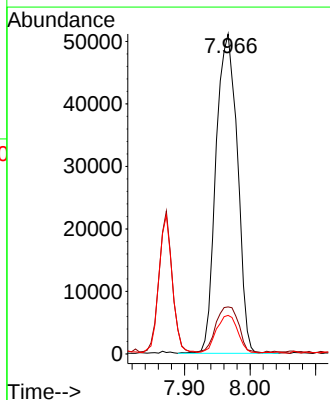
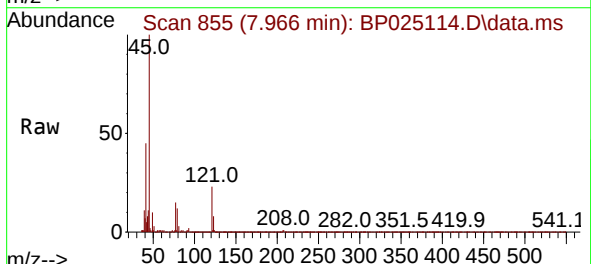
Manual Integrations
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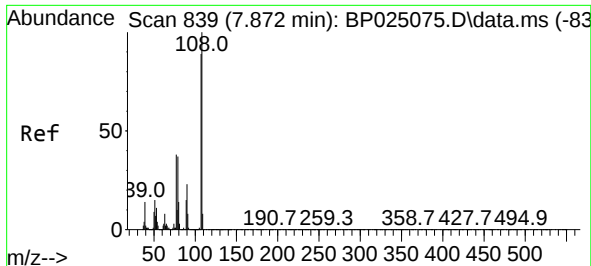
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.963 ng
RT: 7.966 min Scan# 855
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion: 45 Resp: 115703
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.8
79 12.1 0.0 30.7





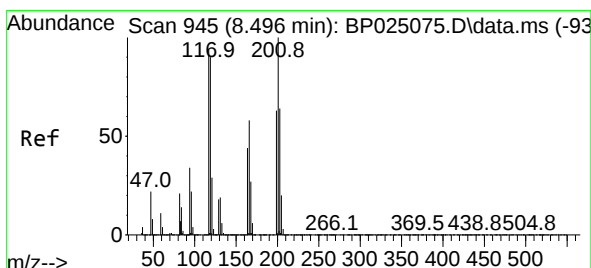
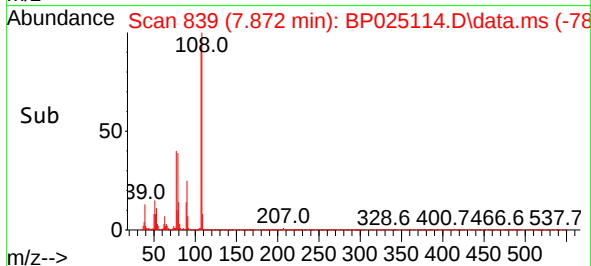
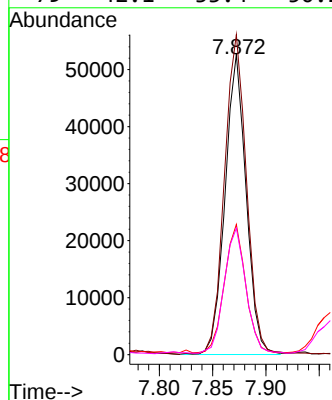
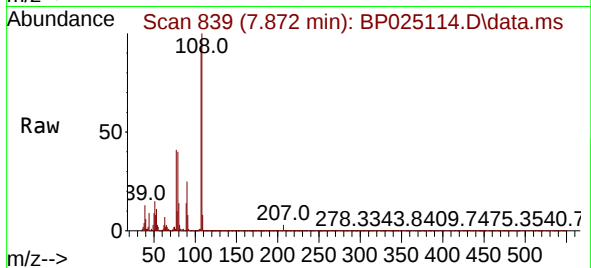
#17
2-Methylphenol
Concen: 3.854 ng
RT: 7.872 min Scan# 839
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:107 Resp: 72435
Ion Ratio Lower Upper
107 100
108 106.5 89.7 134.5
77 43.4 34.2 51.4
79 42.1 33.4 50.2

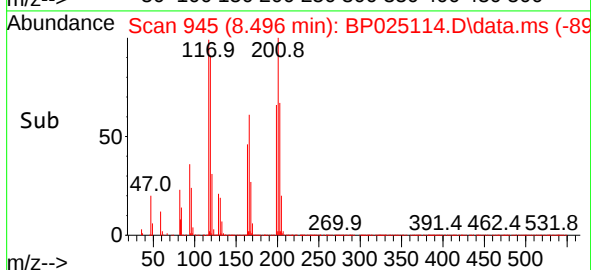
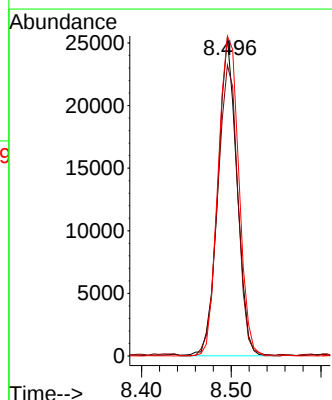
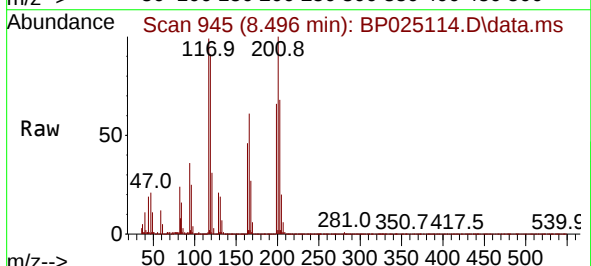
Manual Integrations
APPROVED

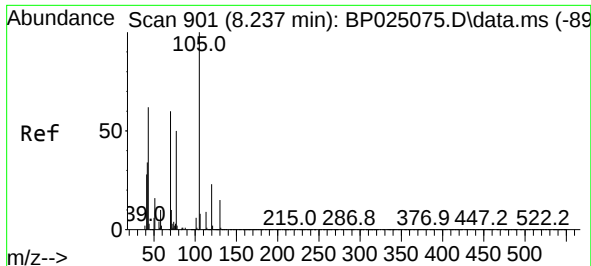
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#18
Hexachloroethane
Concen: 4.116 ng
RT: 8.496 min Scan# 945
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

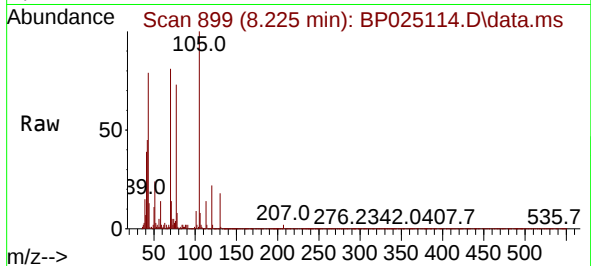
Tgt Ion:117 Resp: 37405
Ion Ratio Lower Upper
117 100
119 91.4 76.6 115.0
201 100.6 85.4 128.2





#19
n-Nitroso-di-n-propylamine
Concen: 3.969 ng
RT: 8.225 min Scan# 899
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

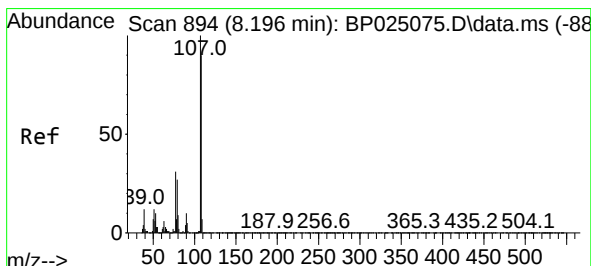
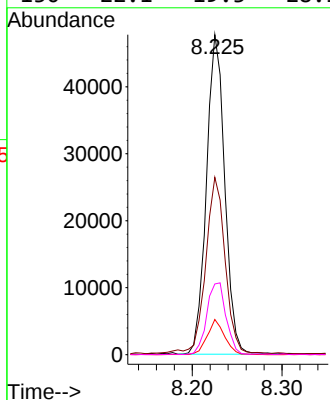
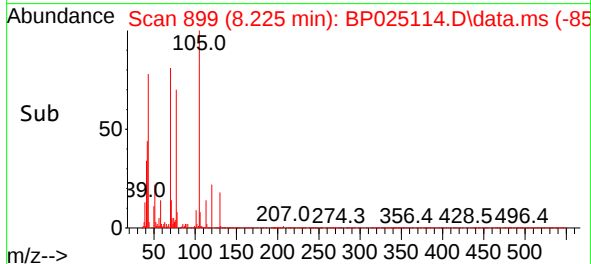
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



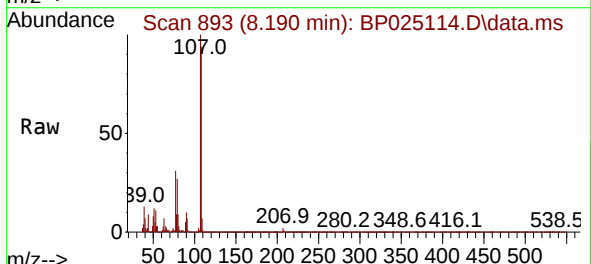
Tgt Ion: 70 Resp: 6758
Ion Ratio Lower Upper
70 100
42 55.4 46.5 69.7
101 11.0 7.9 11.9
130 22.1 19.3 28.9

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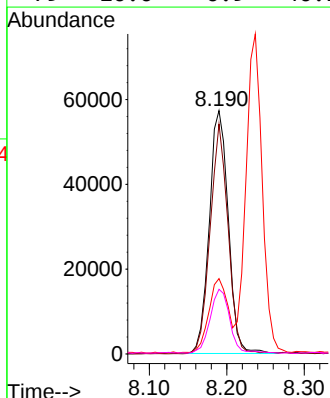
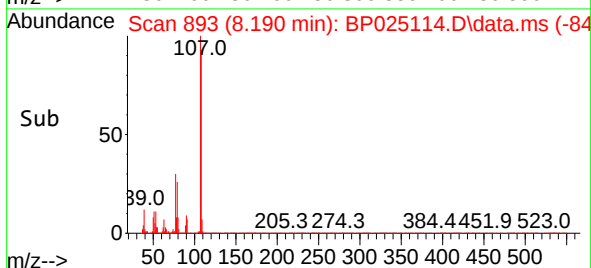
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

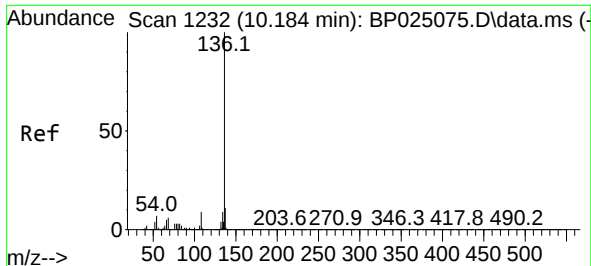


#20
3+4-Methylphenols
Concen: 3.707 ng
RT: 8.190 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



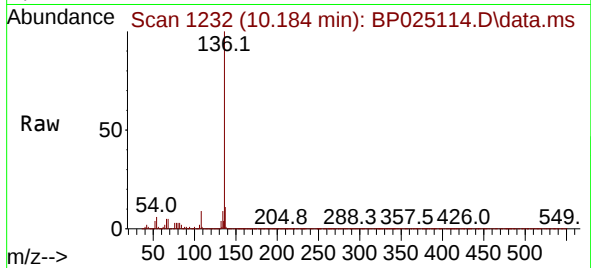
Tgt Ion:107 Resp: 97598
Ion Ratio Lower Upper
107 100
108 94.5 69.5 109.5
77 31.0 11.4 51.4
79 26.6 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

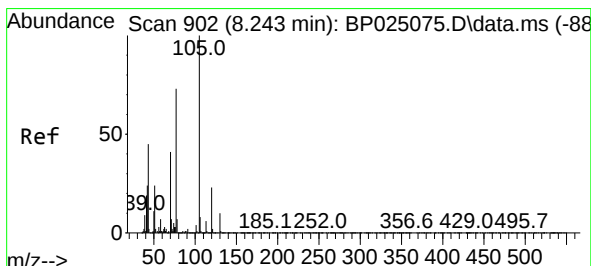
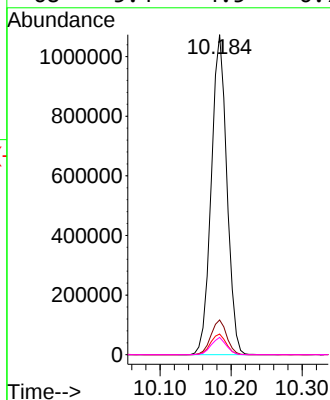
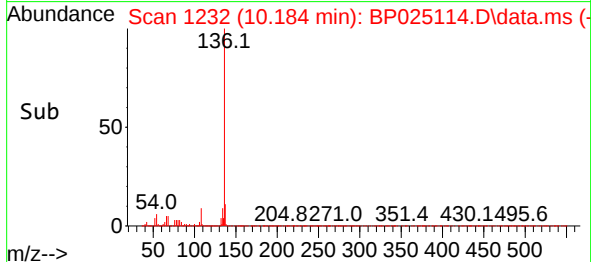
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 1633574
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.5 5.4 8.2
68 5.4 4.5 6.7

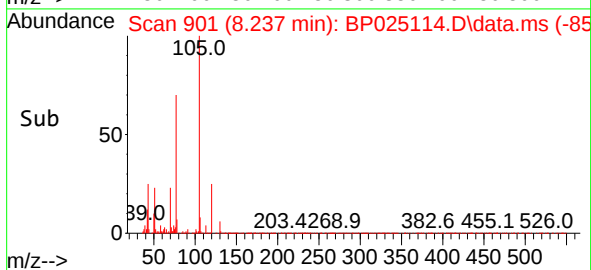
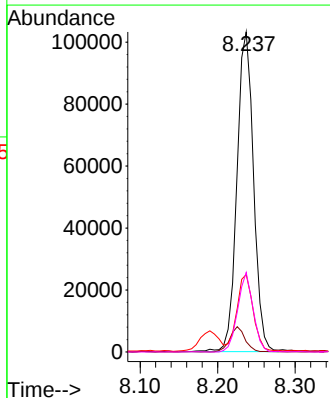
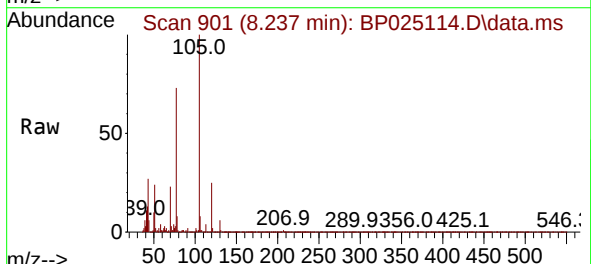
Manual Integrations
APPROVED

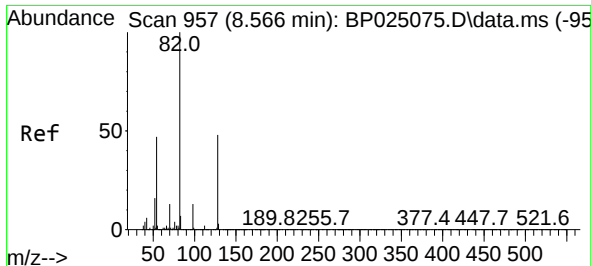
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#22
Acetophenone
Concen: 3.980 ng
RT: 8.237 min Scan# 901
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

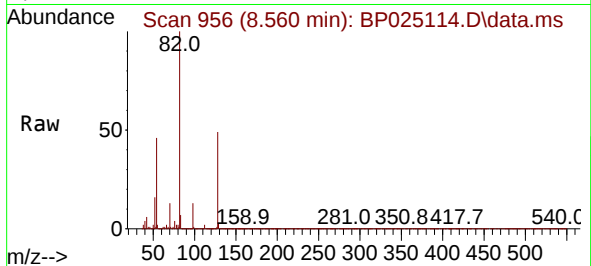
Tgt Ion:105 Resp: 153742
Ion Ratio Lower Upper
105 100
71 3.2 5.4 8.2#
51 24.2 19.6 29.4
120 24.8 18.8 28.2





#23
Nitrobenzene-d5
Concen: 92.774 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

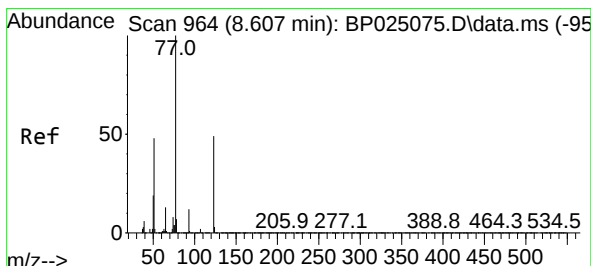
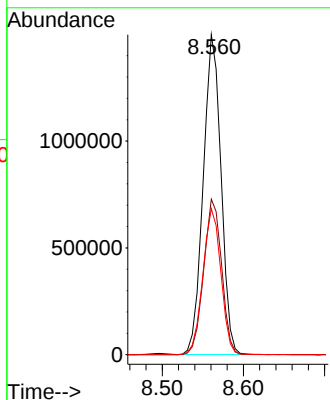
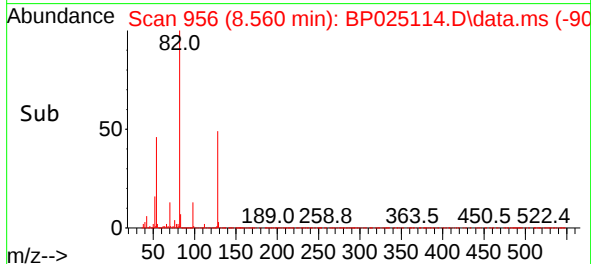
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



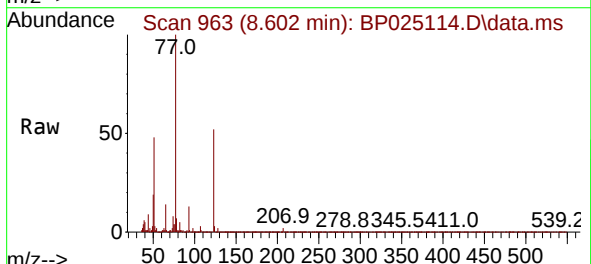
Tgt Ion: 82 Resp: 2278824
Ion Ratio Lower Upper
82 100
128 48.6 38.4 57.6
54 45.6 37.8 56.6

Manual Integrations
APPROVED

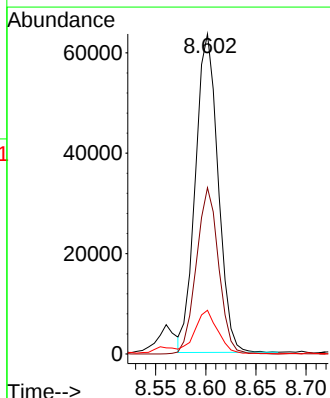
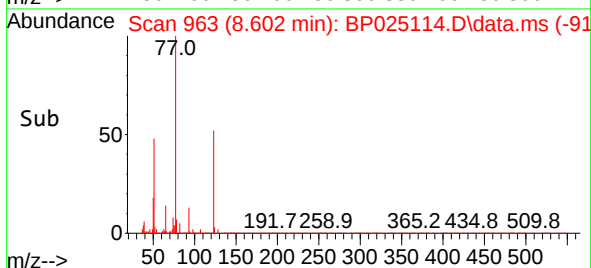
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

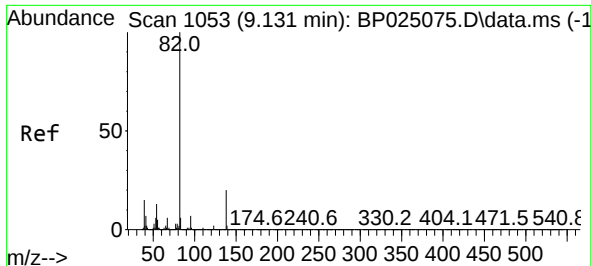


#24
Nitrobenzene
Concen: 4.000 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



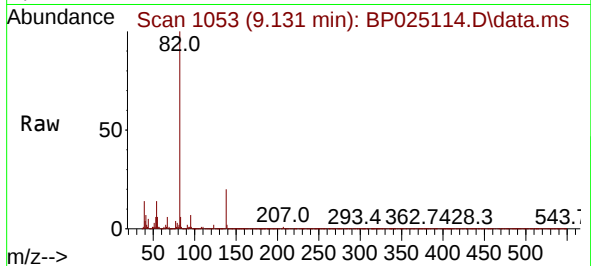
Tgt Ion: 77 Resp: 100088
Ion Ratio Lower Upper
77 100
123 51.9 39.0 58.6
65 13.6 10.7 16.1





#25
Isophorone
Concen: 4.023 ng
RT: 9.131 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

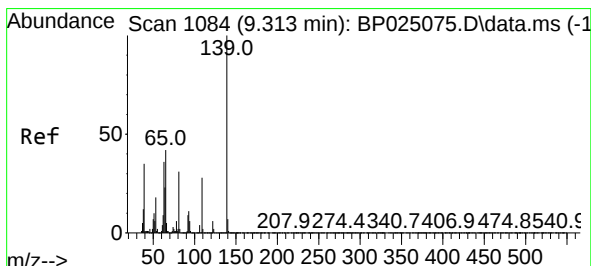
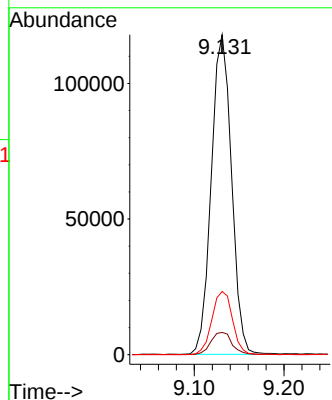
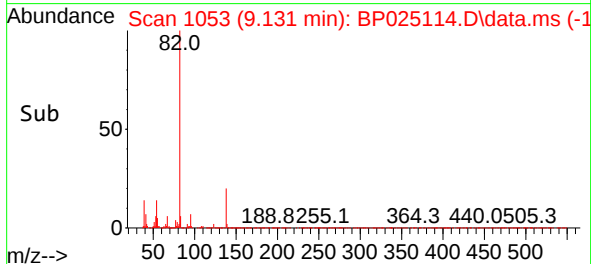
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



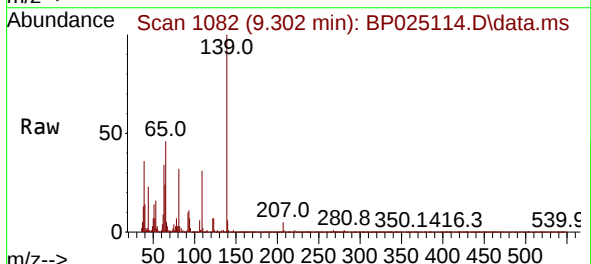
Tgt Ion: 82 Resp: 18467
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 19.7 15.7 23.5

Manual Integrations
APPROVED

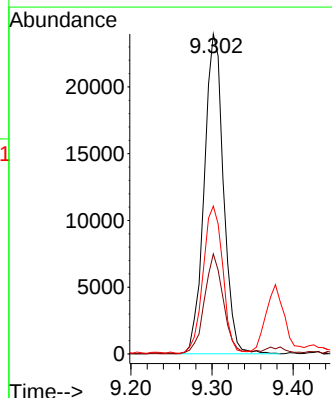
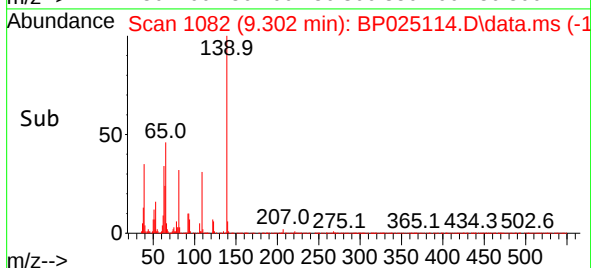
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

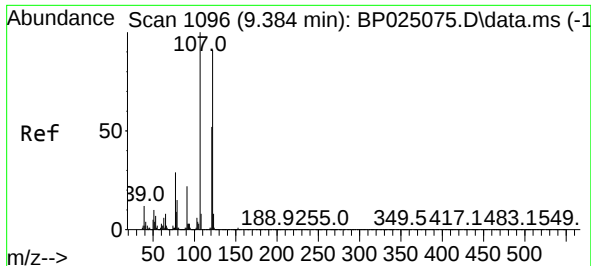


#26
2-Nitrophenol
Concen: 6.328 ng
RT: 9.302 min Scan# 1082
Delta R.T. -0.011 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



Tgt Ion:139 Resp: 39459
Ion Ratio Lower Upper
139 100
109 31.3 22.3 33.5
65 46.2 33.8 50.8





#27

2,4-Dimethylphenol

Concen: 5.174 ng

RT: 9.378 min Scan# 1095

Delta R.T. -0.006 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

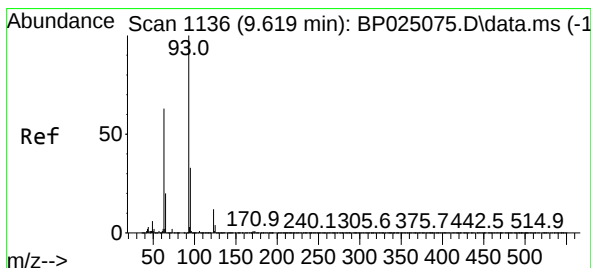
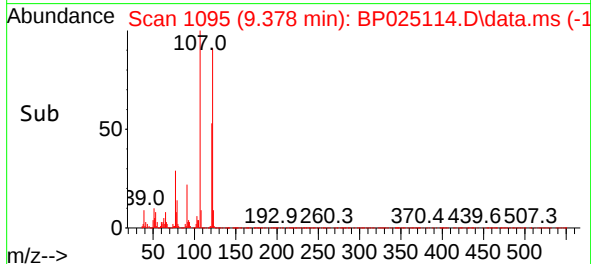
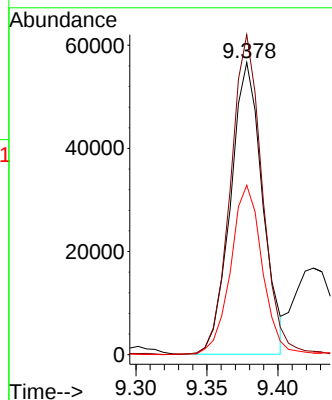
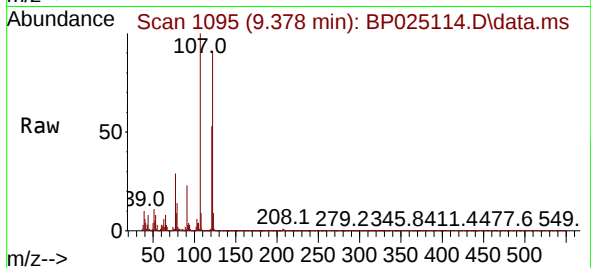
Tgt Ion:	122	Resp:	8859
Ion Ratio	Lower	Upper	
122	100		
107	109.5	88.2	132.2
121	58.0	46.1	69.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 3.868 ng

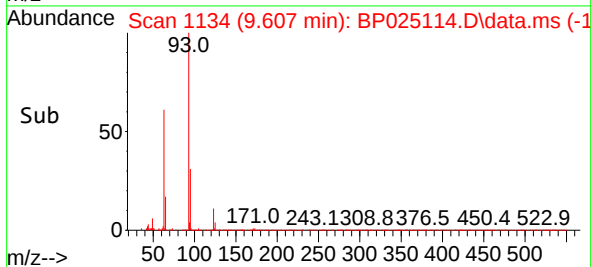
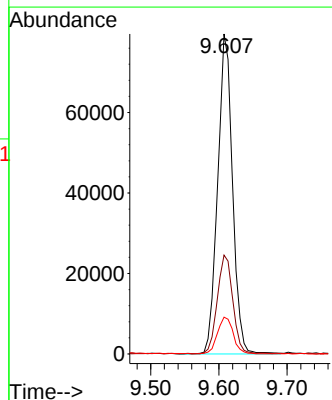
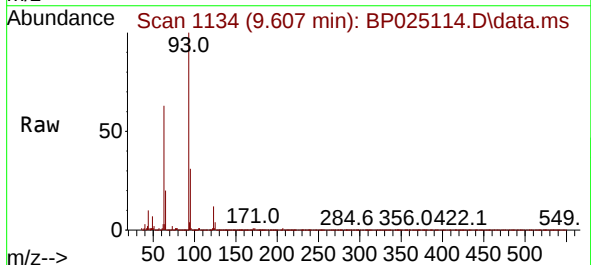
RT: 9.607 min Scan# 1134

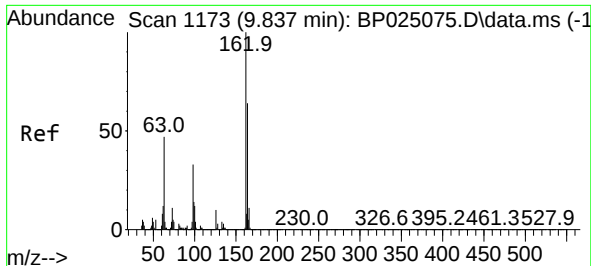
Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:	93	Resp:	120554
Ion Ratio	Lower	Upper	
93	100		
95	30.9	26.4	39.6
123	11.5	10.1	15.1





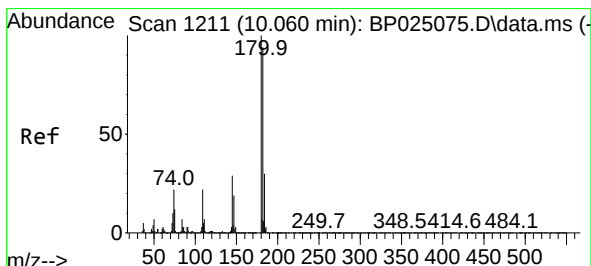
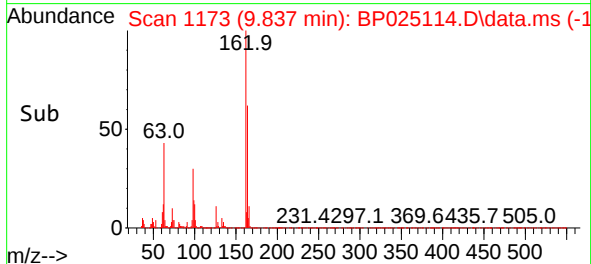
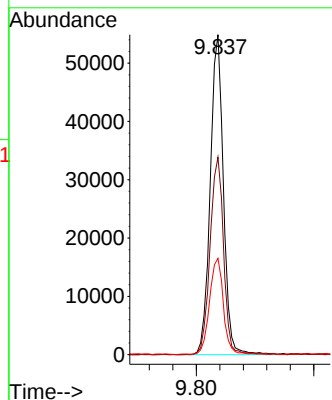
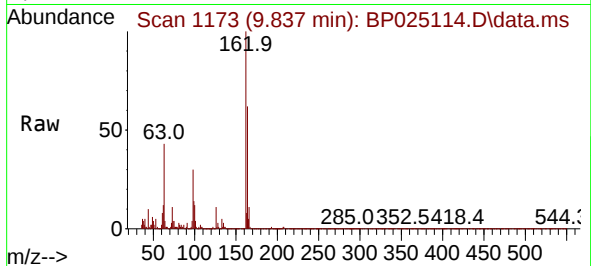
#29
2,4-Dichlorophenol
Concen: 3.585 ng
RT: 9.837 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:162 Resp: 8512
Ion Ratio Lower Upper
162 100
164 61.7 44.1 84.1
98 30.1 13.1 53.1

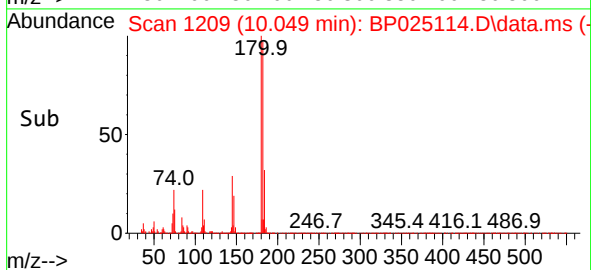
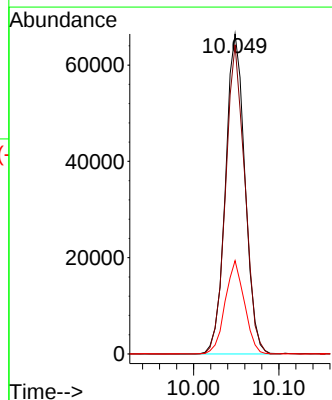
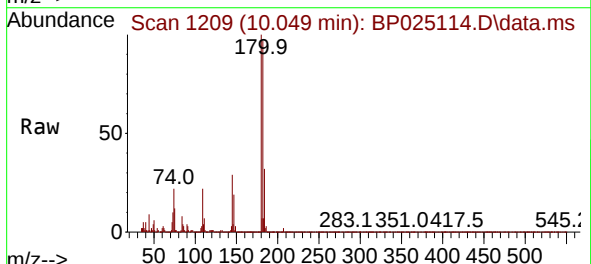
Manual Integrations
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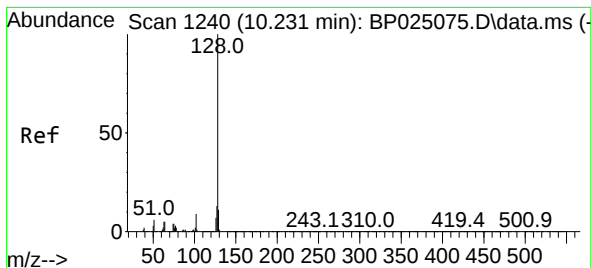
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#30
1,2,4-Trichlorobenzene
Concen: 4.007 ng
RT: 10.049 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

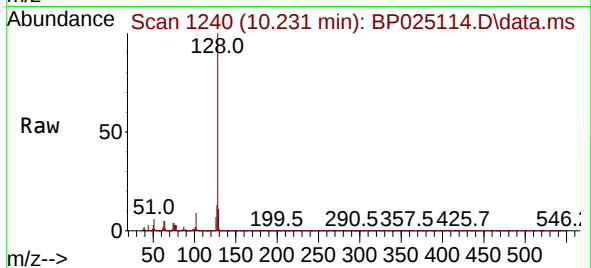
Tgt Ion:180 Resp: 105356
Ion Ratio Lower Upper
180 100
182 96.7 75.1 112.7
145 29.2 23.3 34.9





#31
Naphthalene
Concen: 3.865 ng
RT: 10.231 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

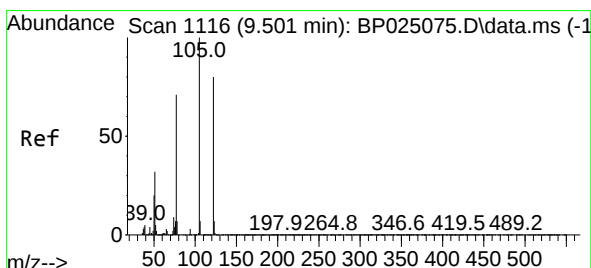
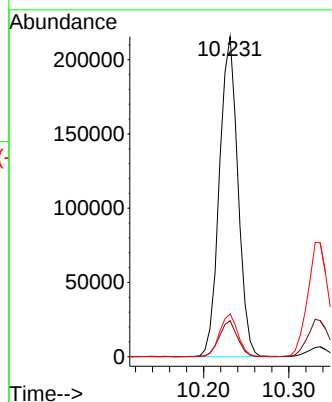
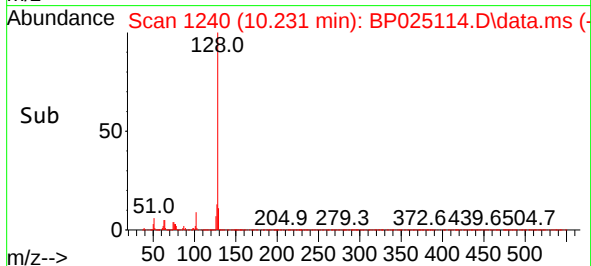
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 32515
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.3 10.4 15.6

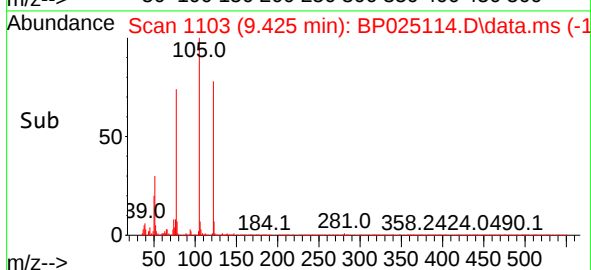
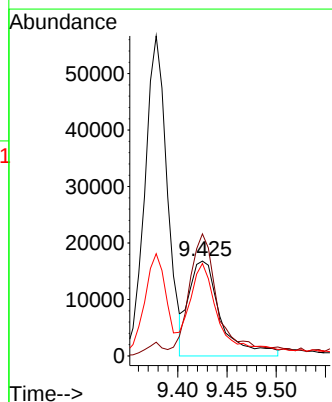
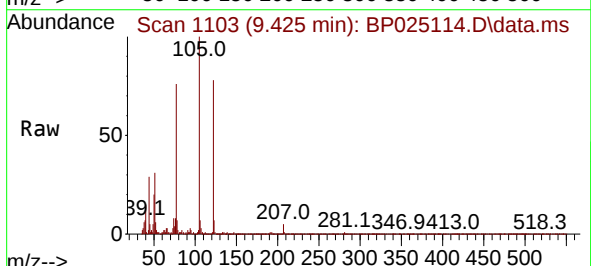
Manual Integrations
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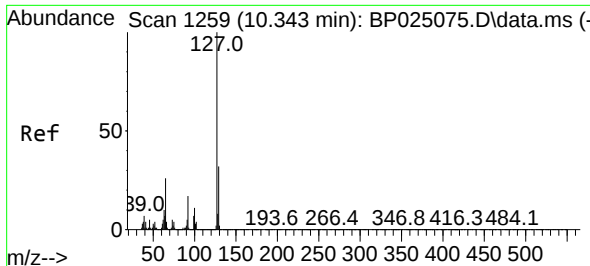
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#32
Benzoic acid
Concen: 8.137 ng m
RT: 9.425 min Scan# 1103
Delta R.T. -0.076 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:122 Resp: 37979
Ion Ratio Lower Upper
122 100
105 128.7 101.0 141.0
77 97.5 67.6 107.6





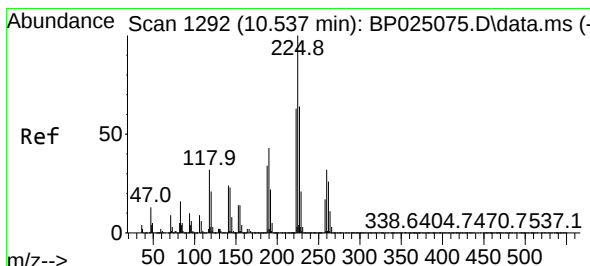
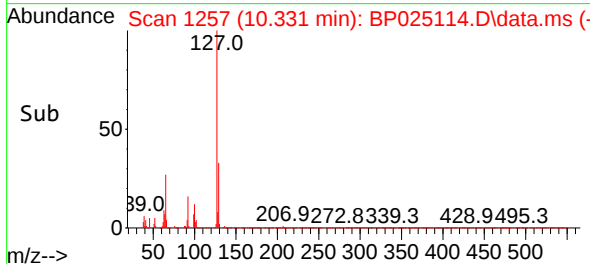
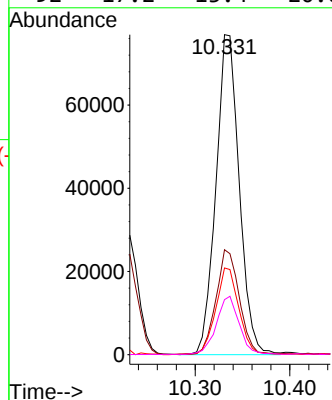
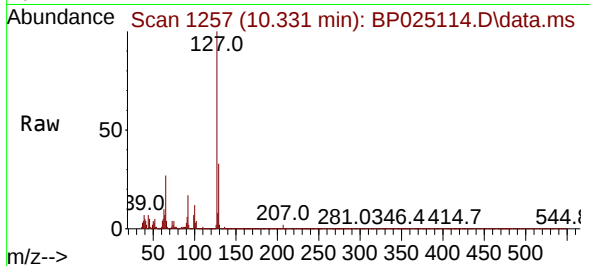
#33
4-Chloroaniline
Concen: 4.202 ng
RT: 10.331 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.4	38.2
65	27.1	21.0	31.6
92	17.2	13.4	20.0

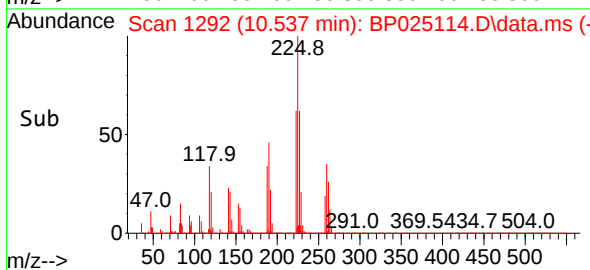
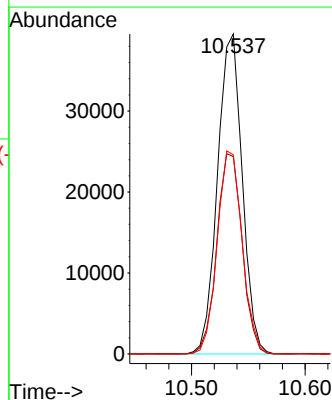
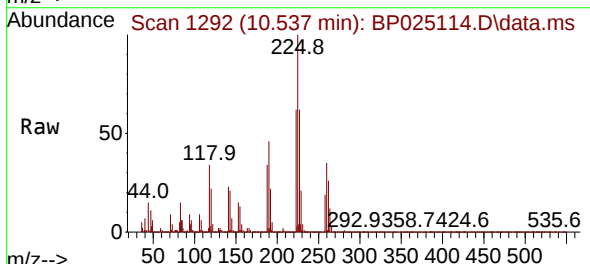
Manual Integrations
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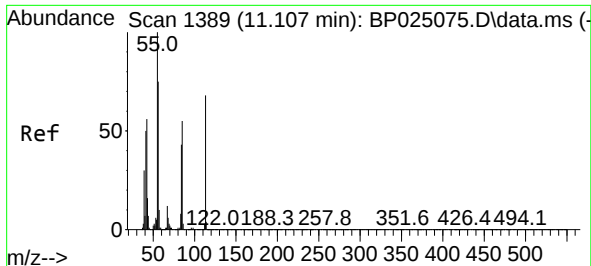
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#34
Hexachlorobutadiene
Concen: 3.967 ng
RT: 10.537 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.3	75.5
227	62.3	51.3	76.9





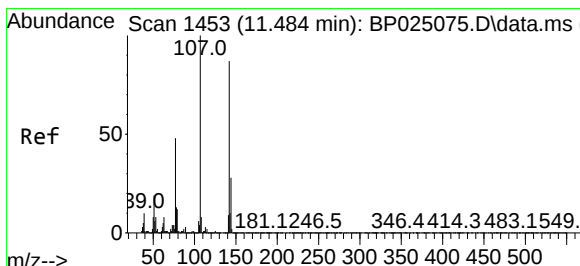
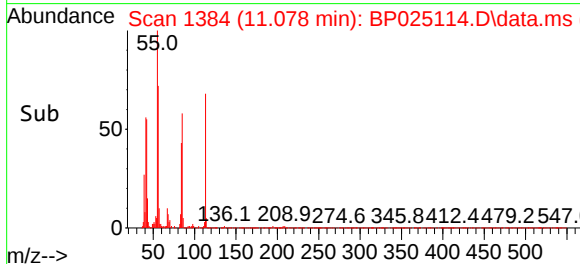
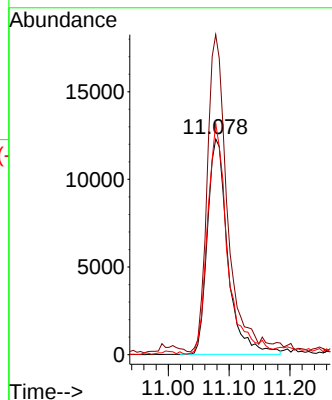
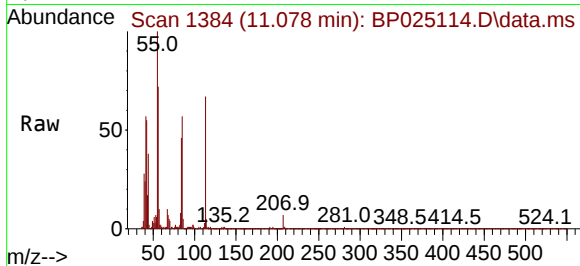
#35
Caprolactam
Concen: 3.524 ng
RT: 11.078 min Scan# 113
Delta R.T. -0.029 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:113 Resp: 28628
Ion Ratio Lower Upper
113 100
55 148.4 128.1 168.1
56 107.2 90.7 130.7

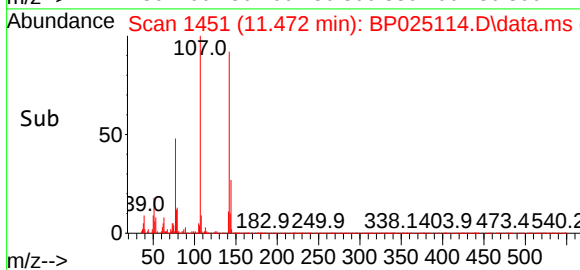
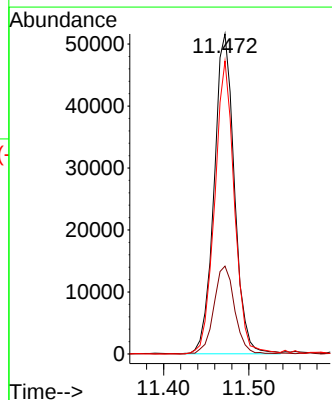
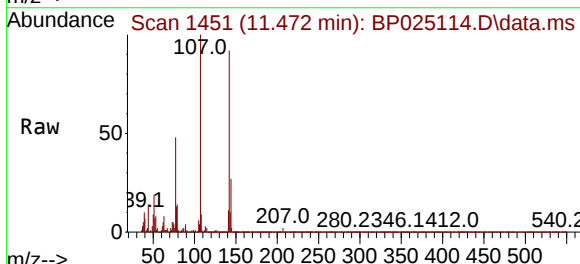
Manual Integrations
APPROVED

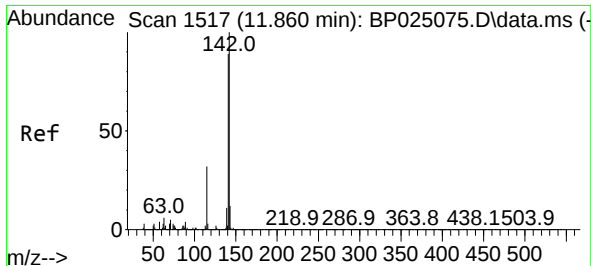
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#36
4-Chloro-3-methylphenol
Concen: 3.441 ng
RT: 11.472 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

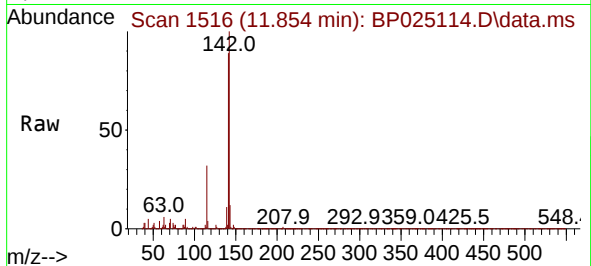
Tgt Ion:107 Resp: 85388
Ion Ratio Lower Upper
107 100
144 27.4 22.4 33.6
142 91.6 69.6 104.4





#37
2-Methylnaphthalene
Concen: 3.488 ng
RT: 11.854 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

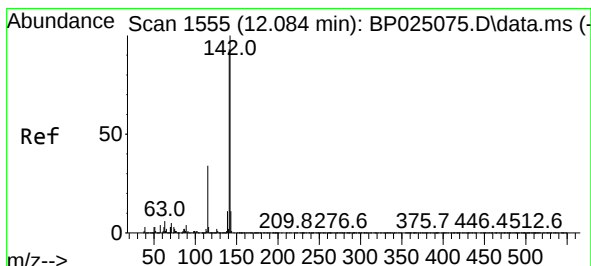
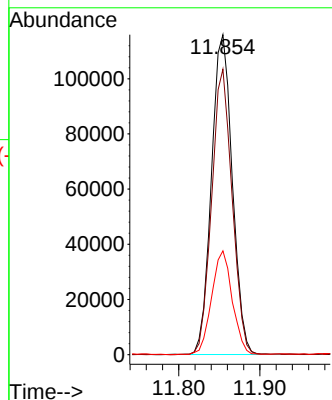
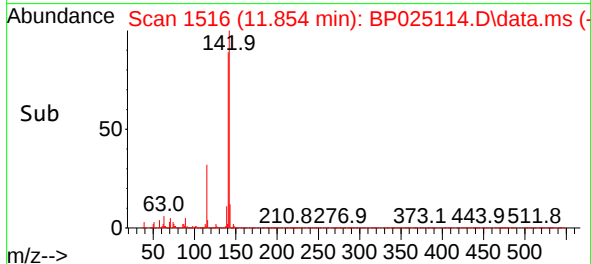
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



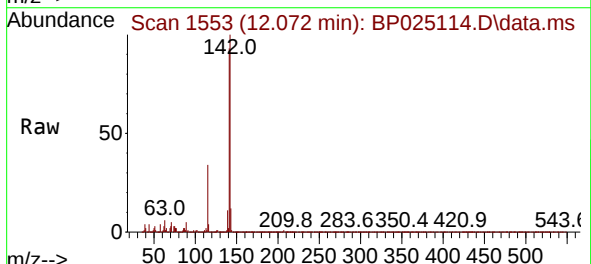
Tgt Ion:142 Resp: 207030
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8
115 32.4 25.9 38.9

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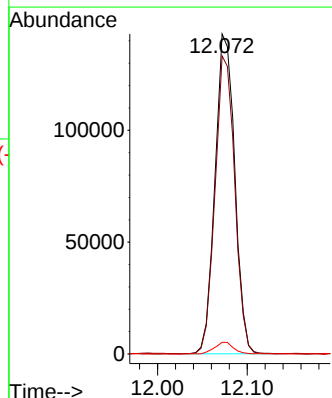
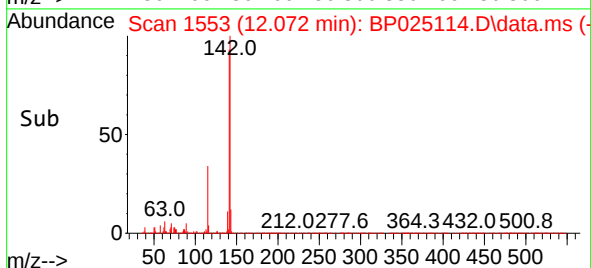
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

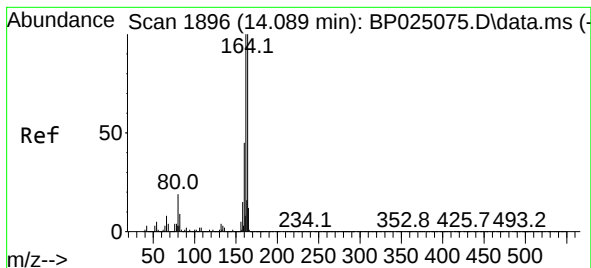


#38
1-Methylnaphthalene
Concen: 3.774 ng
RT: 12.072 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



Tgt Ion:142 Resp: 218439
Ion Ratio Lower Upper
142 100
141 93.2 74.1 111.1
116 3.7 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.072 min Scan# 1893

Delta R.T. -0.017 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:164 Resp: 110446

Ion Ratio Lower Upper

164 100

162 100.9 80.3 120.5

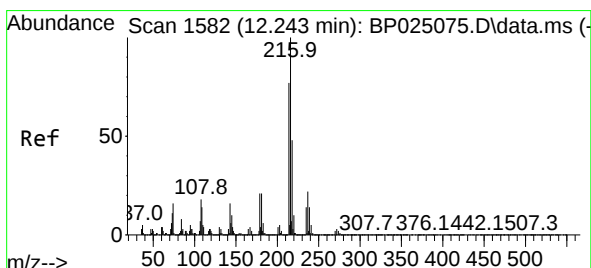
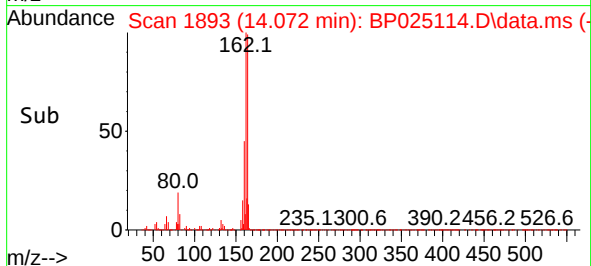
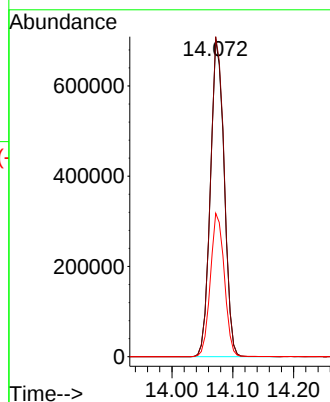
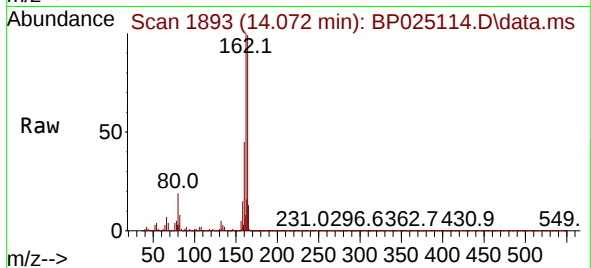
160 45.2 35.9 53.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.844 ng

RT: 12.237 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:216 Resp: 122002

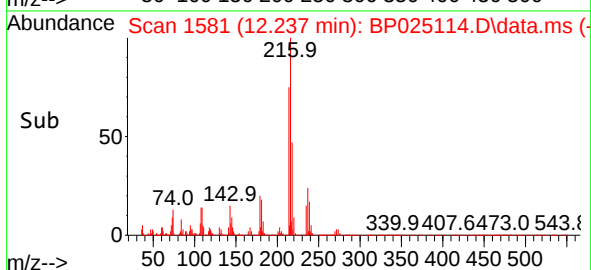
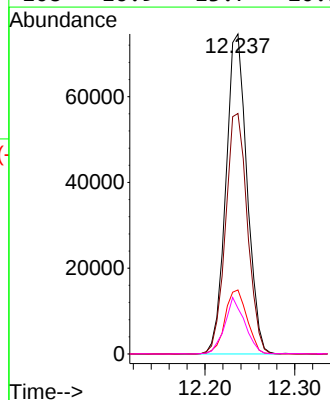
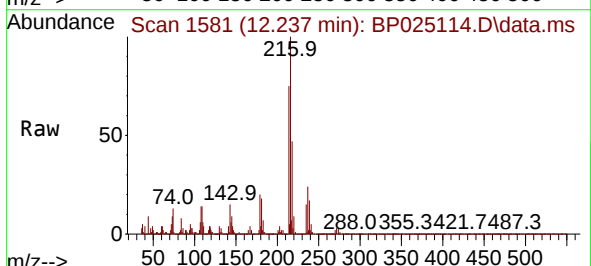
Ion Ratio Lower Upper

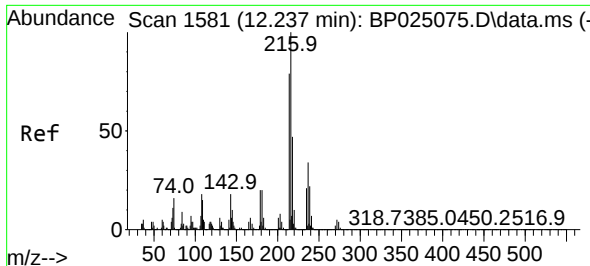
216 100

214 77.7 62.4 93.6

179 21.1 16.5 24.7

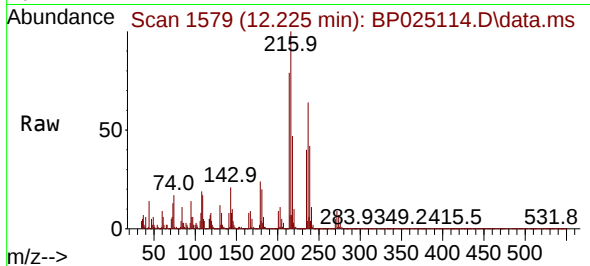
108 16.9 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 6.190 ng
RT: 12.225 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

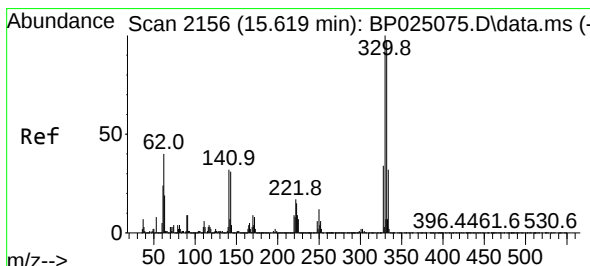
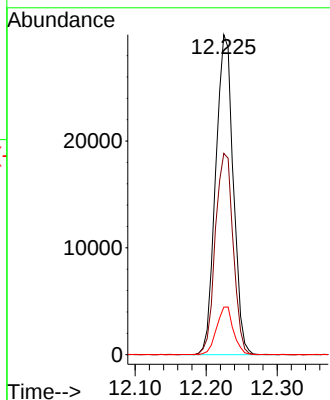
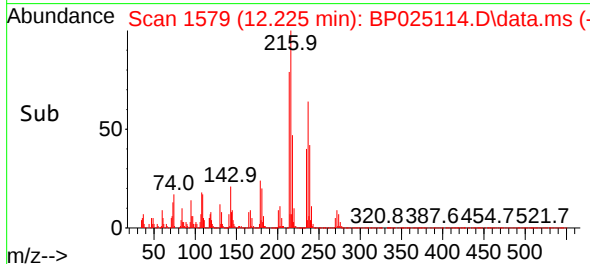
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



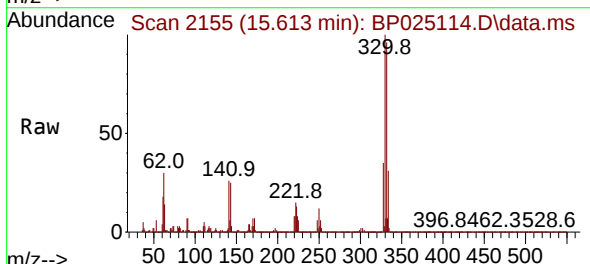
Tgt Ion: 237 Resp: 51320
Ion Ratio Lower Upper
237 100
235 62.9 41.6 81.6
272 14.8 0.0 33.6

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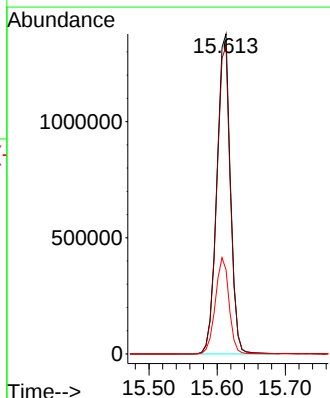
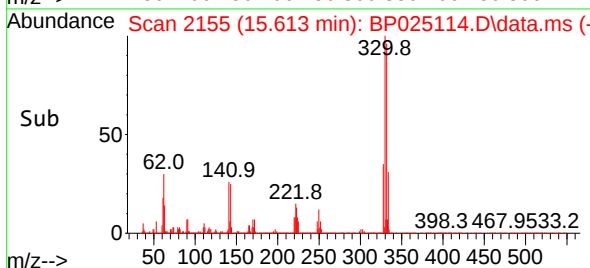
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

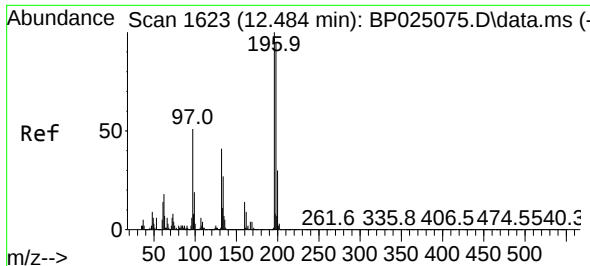


#42
2,4,6-Tribromophenol
Concen: 146.329 ng
RT: 15.613 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



Tgt Ion: 330 Resp: 1909213
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 30.5 26.0 39.0





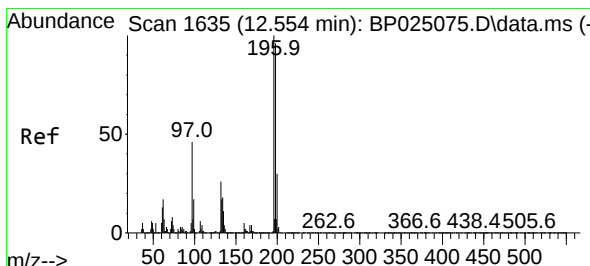
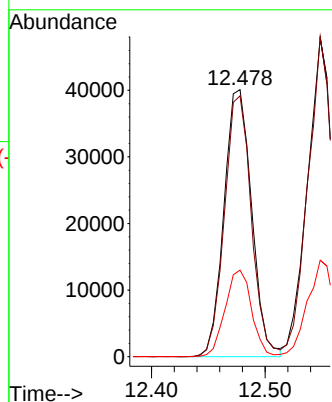
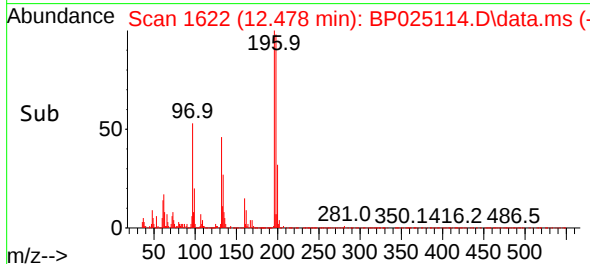
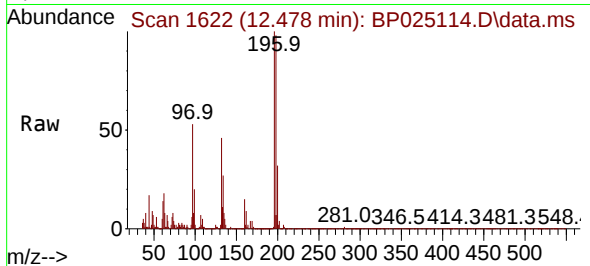
#43
2,4,6-Trichlorophenol
Concen: 3.533 ng
RT: 12.478 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:196 Resp: 6789
Ion Ratio Lower Upper
196 100
198 97.7 76.2 114.2
200 32.4 24.3 36.5

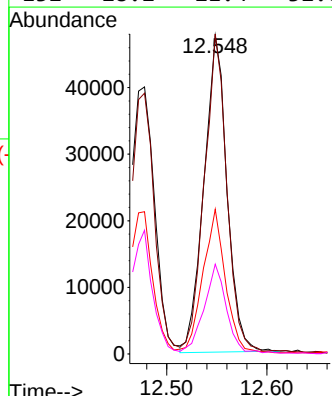
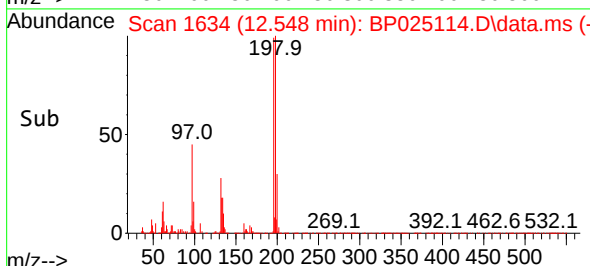
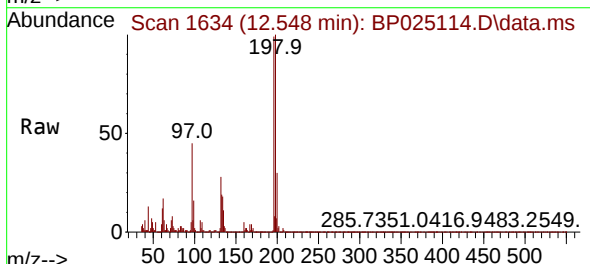
Manual Integrations
APPROVED

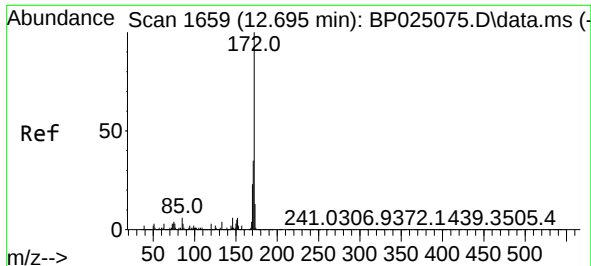
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#44
2,4,5-Trichlorophenol
Concen: 3.500 ng
RT: 12.548 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

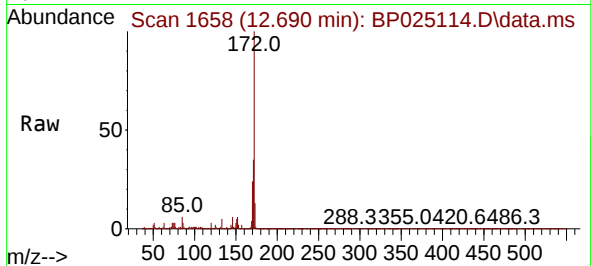
Tgt Ion:196 Resp: 76229
Ion Ratio Lower Upper
196 100
198 100.5 76.6 115.0
97 45.4 36.6 55.0
132 28.2 21.4 32.0





#45
2-Fluorobiphenyl
Concen: 86.470 ng
RT: 12.690 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

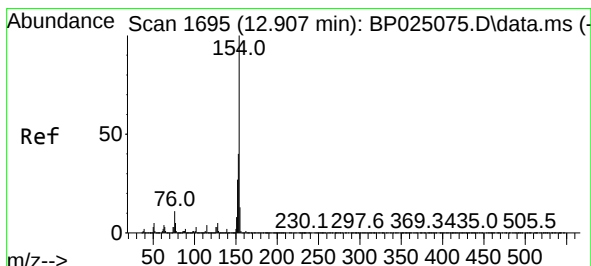
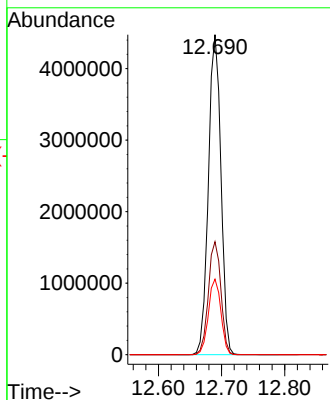
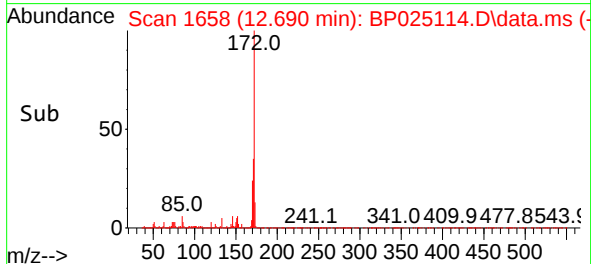
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



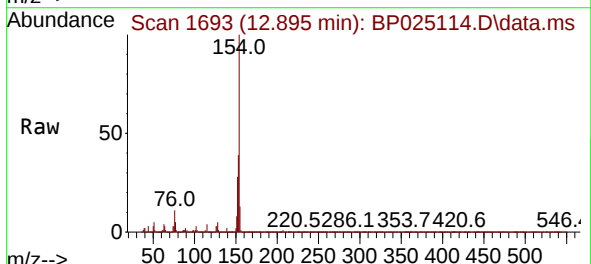
Tgt Ion:172 Resp: 6164820
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.6 18.7 28.1

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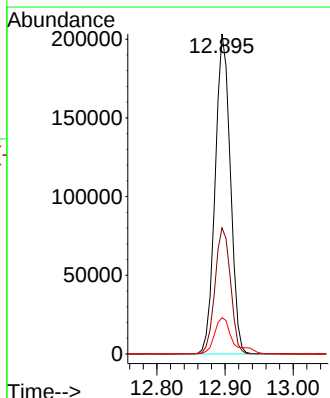
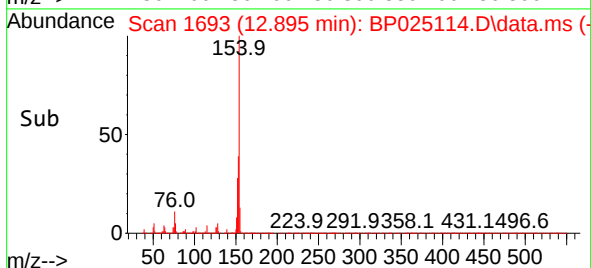
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

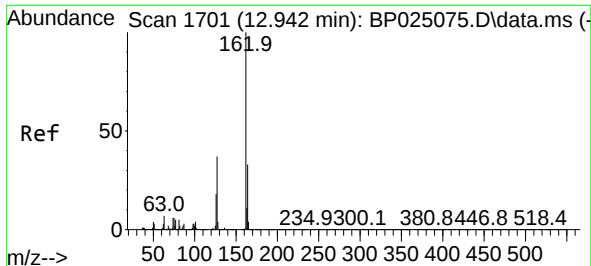


#46
1,1'-Biphenyl
Concen: 3.924 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



Tgt Ion:154 Resp: 315294
Ion Ratio Lower Upper
154 100
153 39.4 20.2 60.2
76 11.4 0.0 31.5





#47

2-Chloronaphthalene

Concen: 3.948 ng

RT: 12.931 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:162 Resp: 23848

Ion Ratio Lower Upper

162 100

127 36.4 29.4 44.2

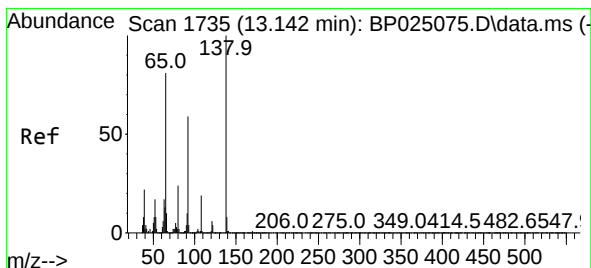
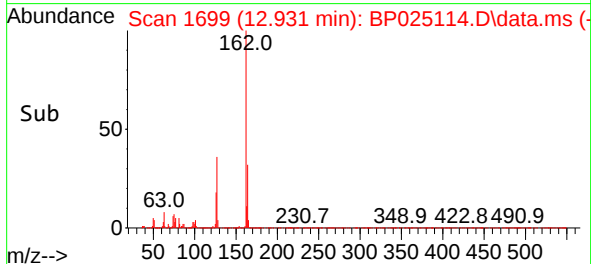
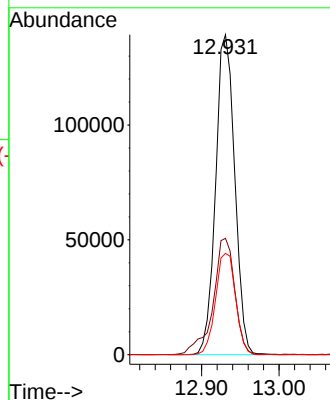
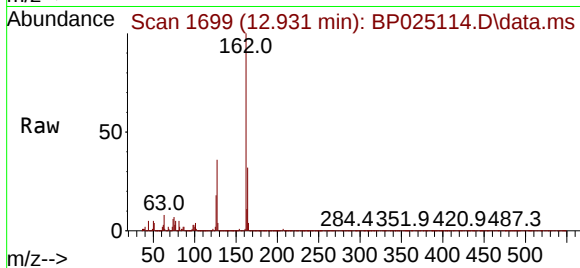
164 31.7 26.4 39.6

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#48

2-Nitroaniline

Concen: 5.704 ng

RT: 13.131 min Scan# 1733

Delta R.T. -0.011 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

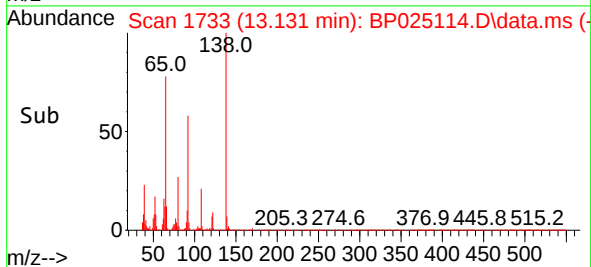
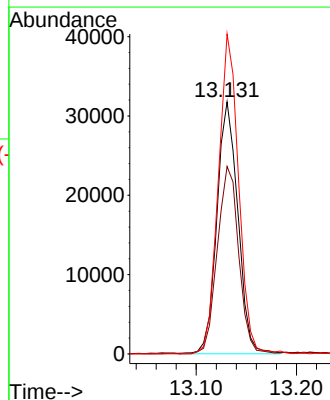
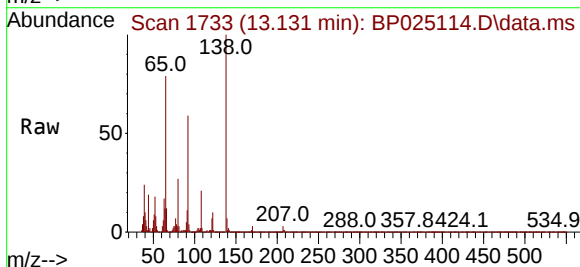
Tgt Ion: 65 Resp: 46144

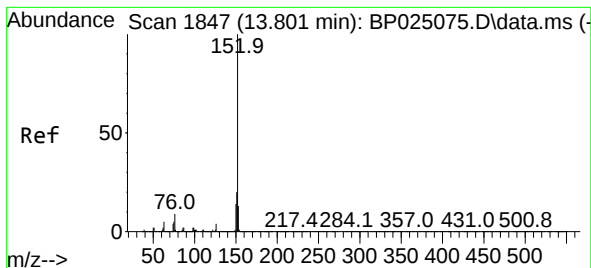
Ion Ratio Lower Upper

65 100

92 74.4 58.7 88.1

138 126.9 99.0 148.4





#49

Acenaphthylene

Concen: 4.090 ng

RT: 13.790 min Scan# 1845

Delta R.T. -0.012 min

Lab File: BP025114.D

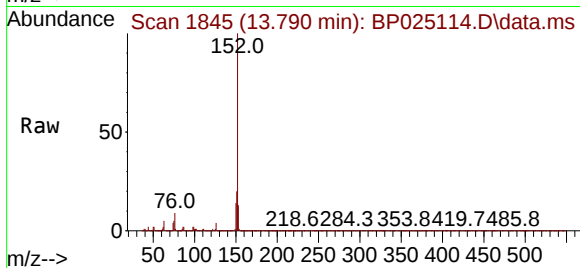
Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 37805

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

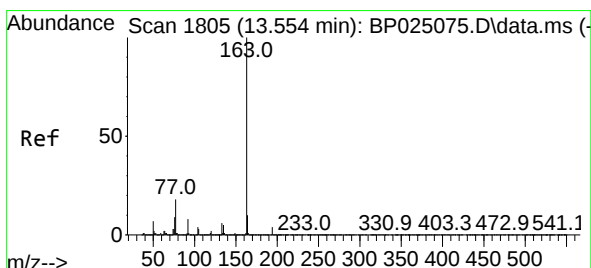
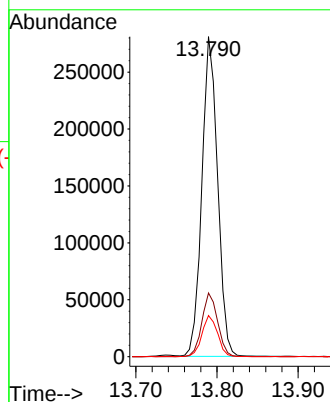
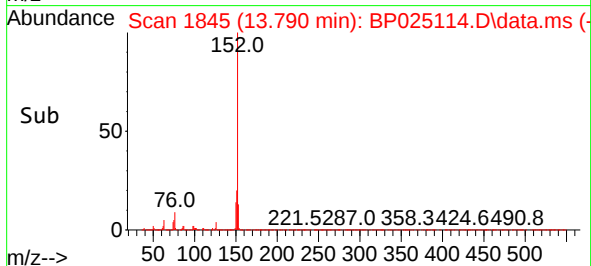
153 12.8 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#50

Dimethylphthalate

Concen: 3.890 ng

RT: 13.543 min Scan# 1803

Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

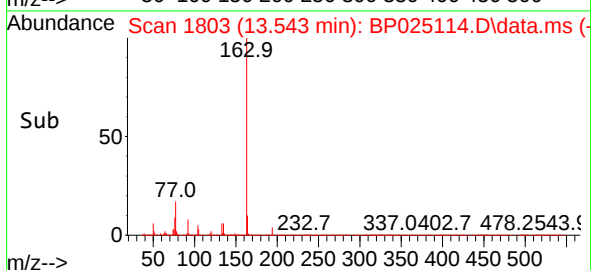
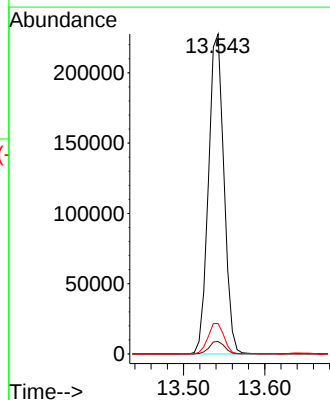
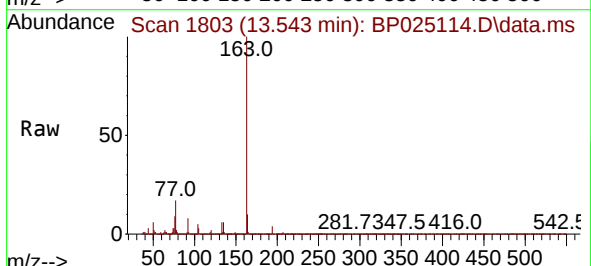
Tgt Ion:163 Resp: 300778

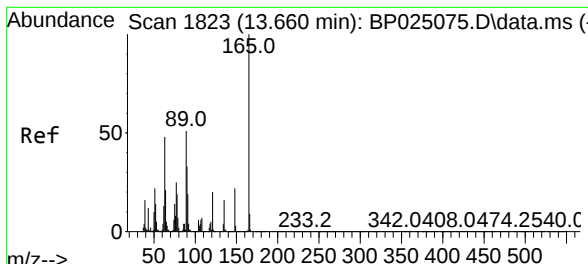
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 9.5 8.0 12.0



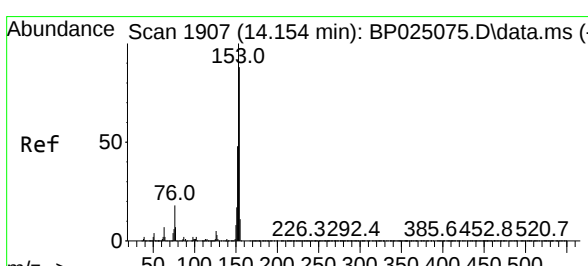
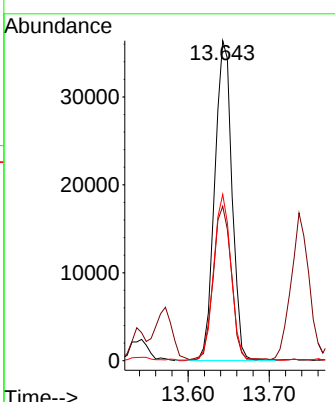
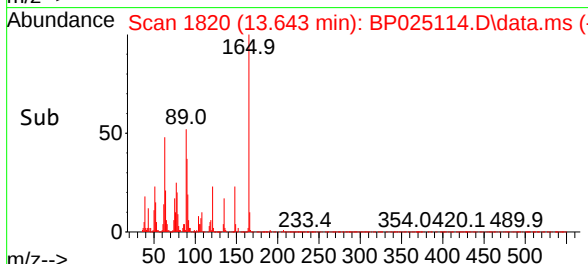
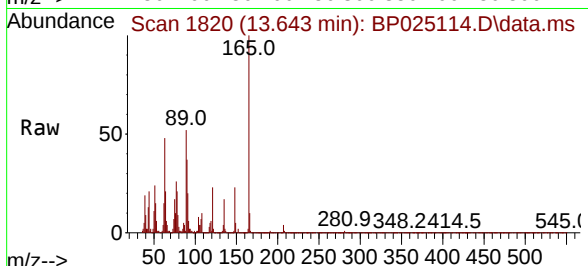


#51
 2,6-Dinitrotoluene
 Concen: 3.574 ng
 RT: 13.643 min Scan# 1820
 Delta R.T. -0.018 min
 Lab File: BP025114.D
 Acq: 14 Jul 2025 10:44

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

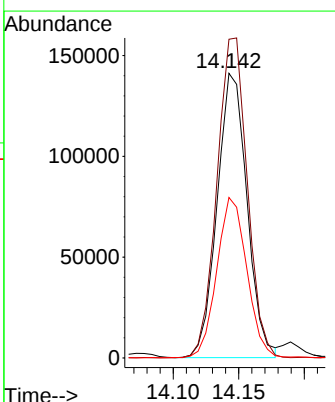
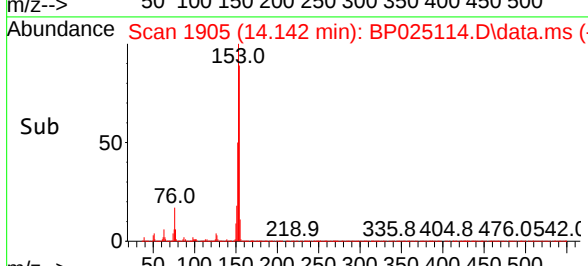
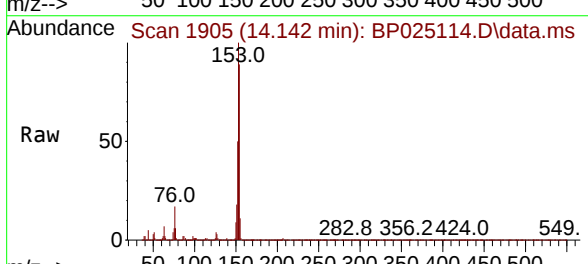
Tgt Ion:	165	Resp:	5388
Ion Ratio	Lower	Upper	
165	100		
63	48.3	38.5	57.7
89	51.9	40.6	61.0

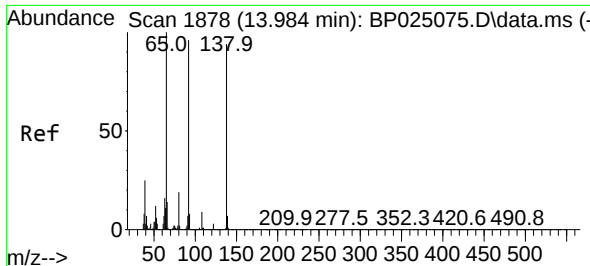
Manual Integrations
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 Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#52
 Acenaphthene
 Concen: 3.762 ng
 RT: 14.142 min Scan# 1905
 Delta R.T. -0.012 min
 Lab File: BP025114.D
 Acq: 14 Jul 2025 10:44

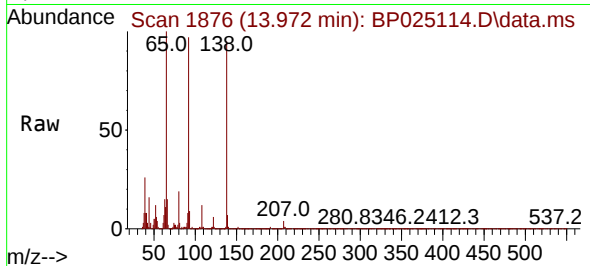
Tgt Ion:	154	Resp:	224120
Ion Ratio	Lower	Upper	
154	100		
153	112.0	90.6	136.0
152	56.4	43.8	65.8





#53
3-Nitroaniline
Concen: 3.642 ng
RT: 13.972 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

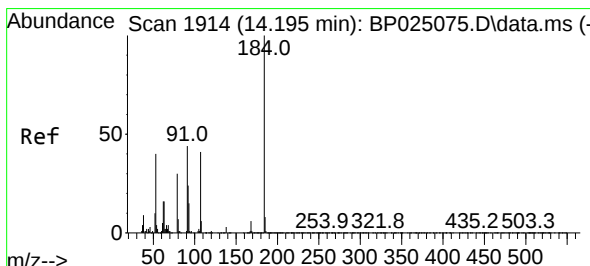
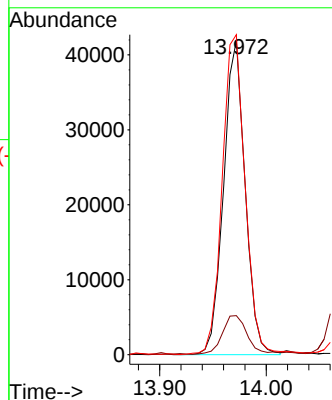
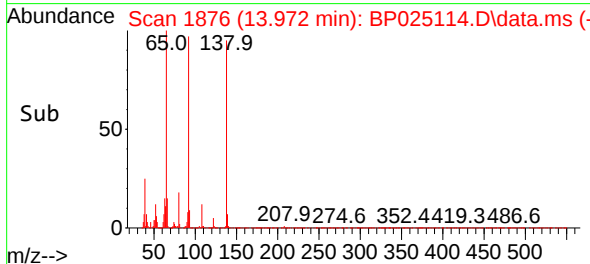
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:138 Resp: 5885
Ion Ratio Lower Upper
138 100
108 12.4 7.8 11.8
92 101.8 81.0 121.4

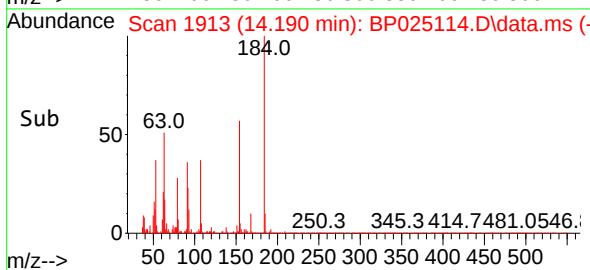
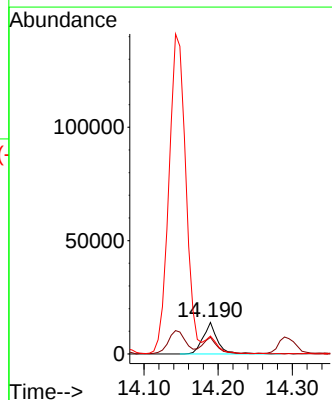
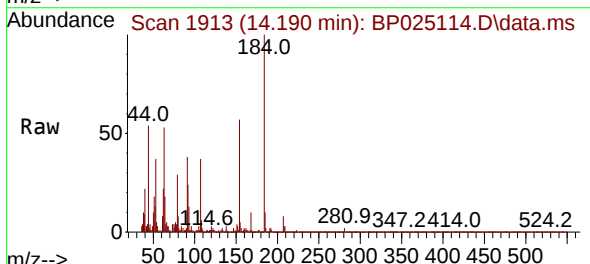
Manual Integrations
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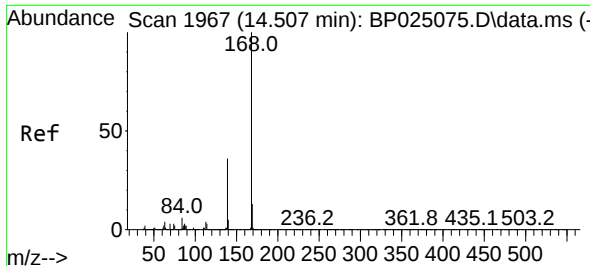
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#54
2,4-Dinitrophenol
Concen: 7.772 ng
RT: 14.190 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:184 Resp: 18858
Ion Ratio Lower Upper
184 100
63 52.6 47.4 71.0
154 56.8 47.8 71.8





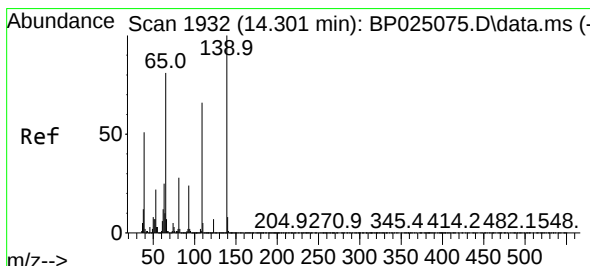
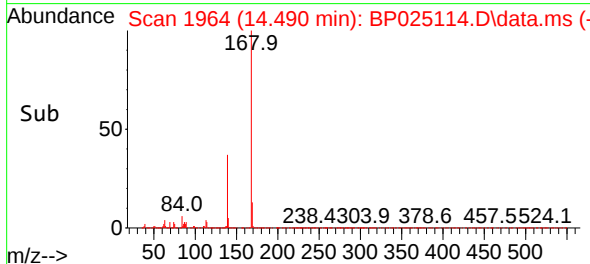
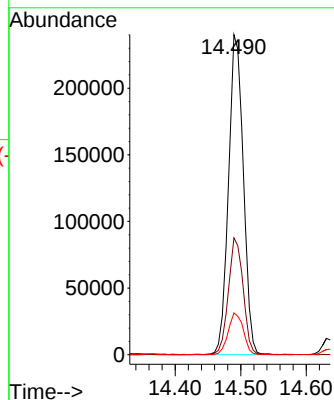
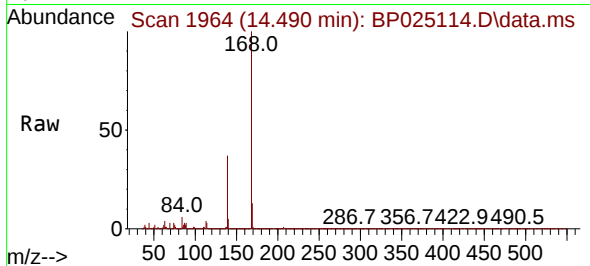
#55
Dibenzenofuran
Concen: 3.843 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:168 Resp: 377900
Ion Ratio Lower Upper
168 100
139 36.5 28.6 43.0
169 13.0 10.7 16.1

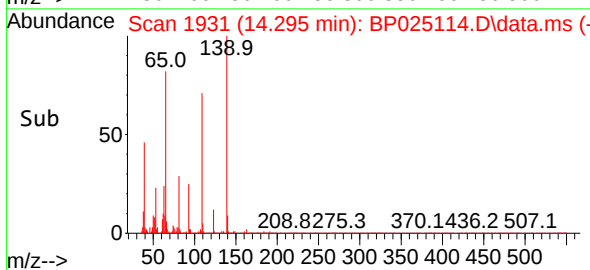
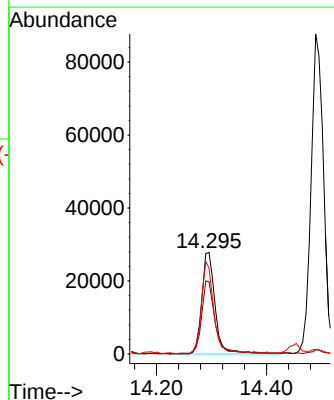
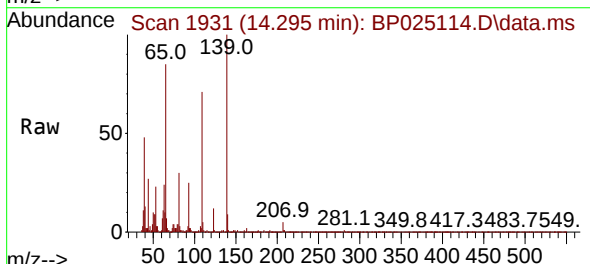
Manual Integrations
APPROVED

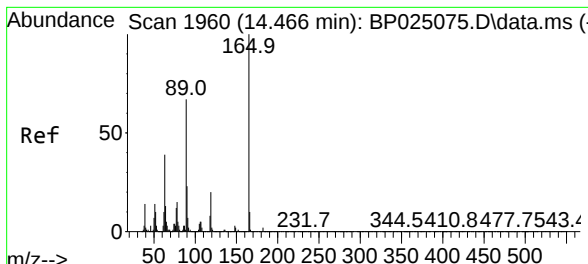
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#56
4-Nitrophenol
Concen: 3.142 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

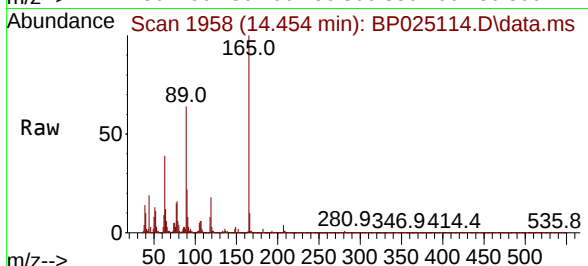
Tgt Ion:139 Resp: 46858
Ion Ratio Lower Upper
139 100
109 71.1 45.9 85.9
65 84.6 61.4 101.4





#57
2,4-Dinitrotoluene
Concen: 5.474 ng
RT: 14.454 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

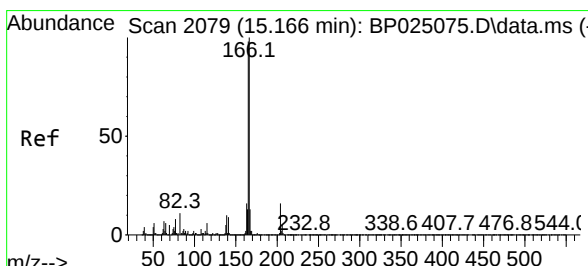
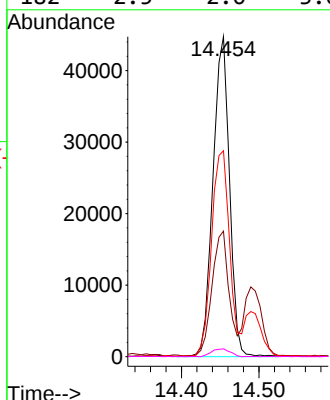
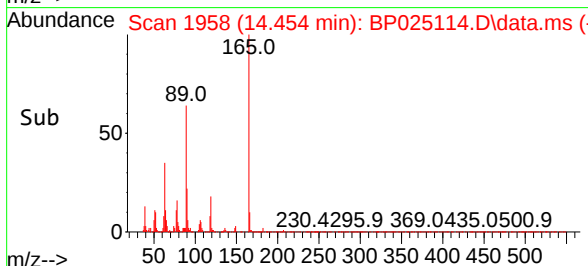
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:	165	Resp:	66429
Ion Ratio	Lower	Upper	
165	100		
63	39.3	31.0	46.4
89	64.4	53.4	80.0
182	2.5	2.0	3.0

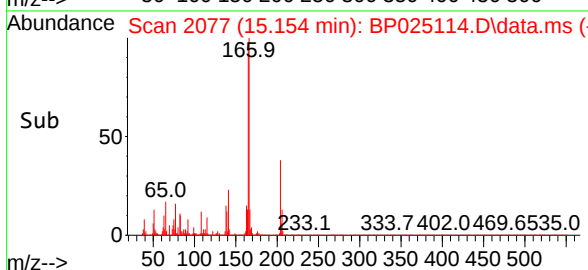
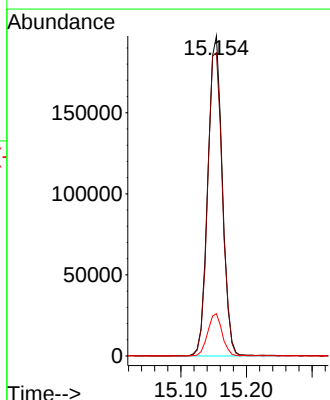
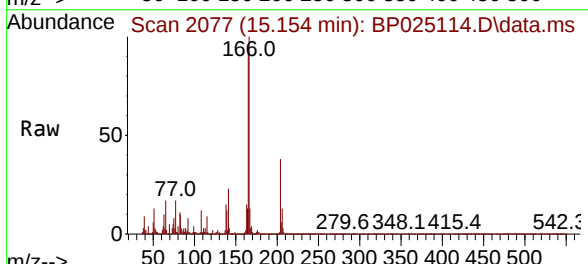
Manual Integrations
APPROVED

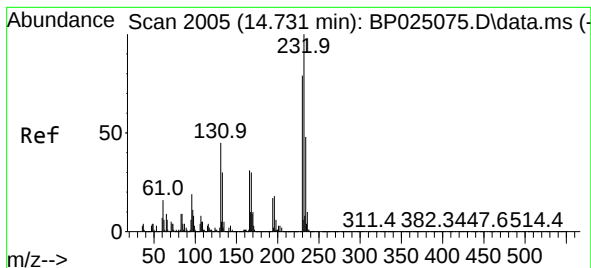
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#58
Fluorene
Concen: 3.971 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

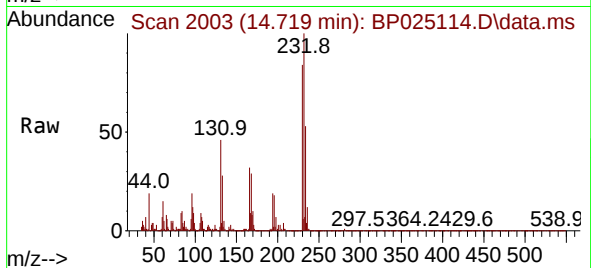
Tgt Ion:	166	Resp:	301999
Ion Ratio	Lower	Upper	
166	100		
165	94.7	78.6	117.8
167	13.2	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.574 ng
RT: 14.719 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

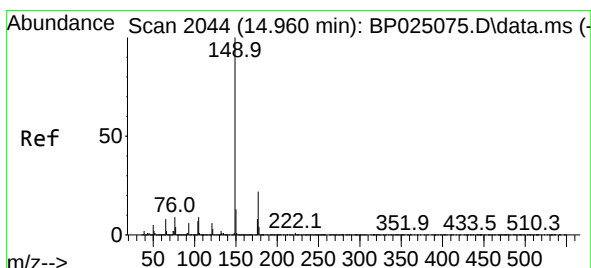
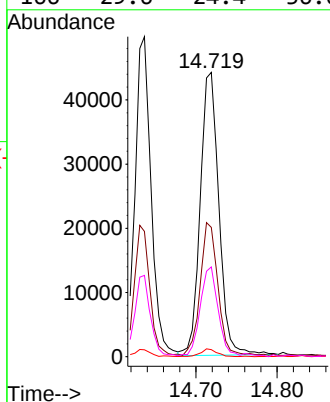
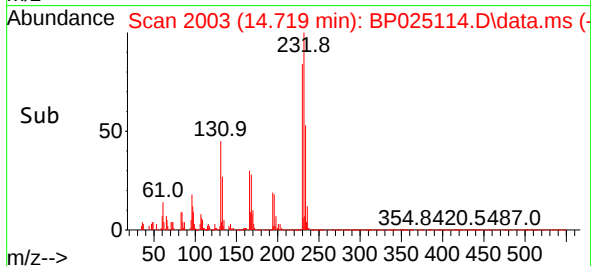
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:232 Resp: 70494
Ion Ratio Lower Upper
232 100
131 44.9 35.7 53.5
130 2.3 1.8 2.6
166 29.6 24.4 36.6

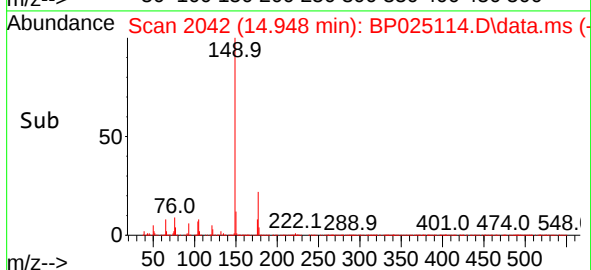
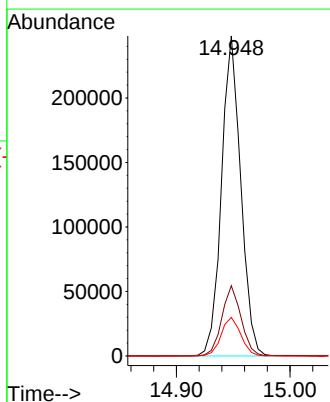
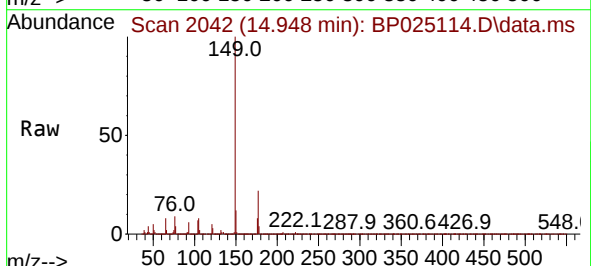
Manual Integrations
APPROVED

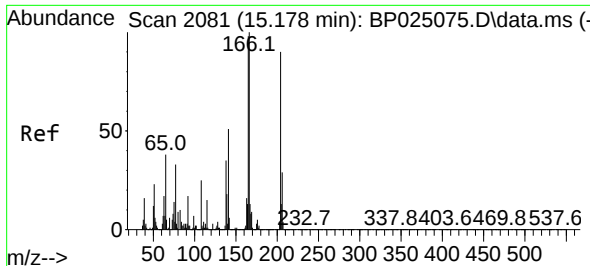
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#60
Diethylphthalate
Concen: 3.765 ng
RT: 14.948 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

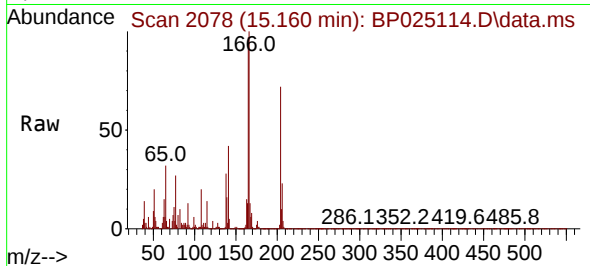
Tgt Ion:149 Resp: 292350
Ion Ratio Lower Upper
149 100
177 21.9 17.8 26.8
150 12.1 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 3.960 ng
RT: 15.160 min Scan# 2081
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

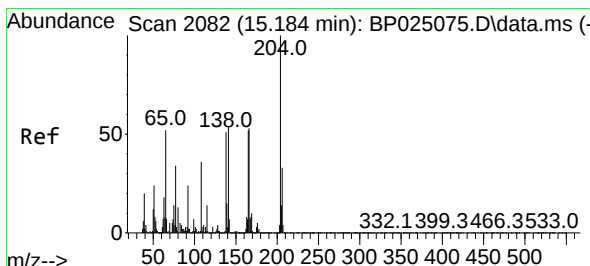
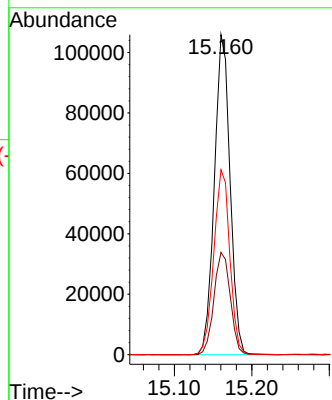
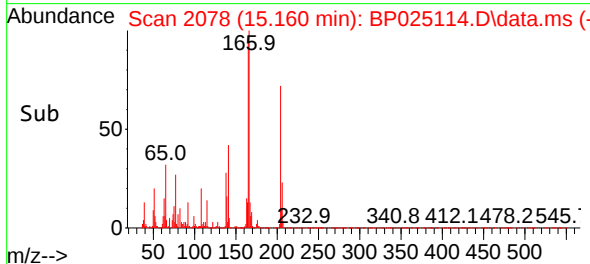
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:204 Resp: 149054
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.6
141 57.8 45.1 67.7

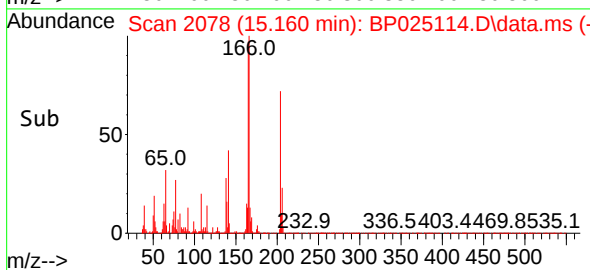
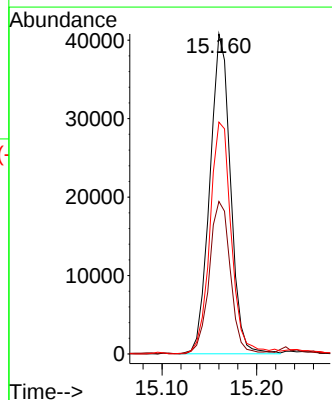
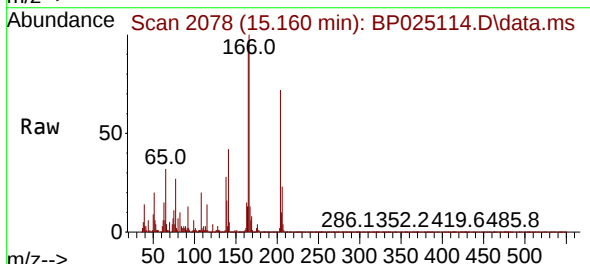
Manual Integrations
APPROVED

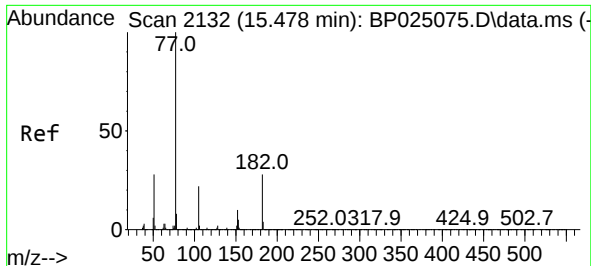
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#62
4-Nitroaniline
Concen: 3.649 ng
RT: 15.160 min Scan# 2078
Delta R.T. -0.023 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

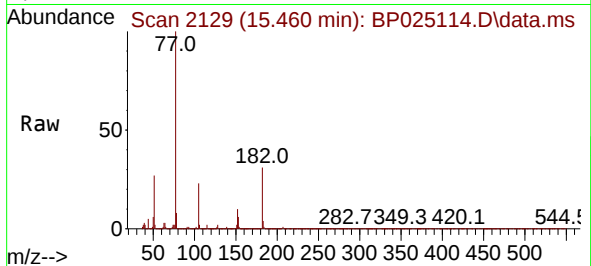
Tgt Ion:138 Resp: 61835
Ion Ratio Lower Upper
138 100
92 47.7 26.0 66.0
108 72.5 50.0 90.0





#63
Azobenzene
Concen: 3.484 ng
RT: 15.460 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

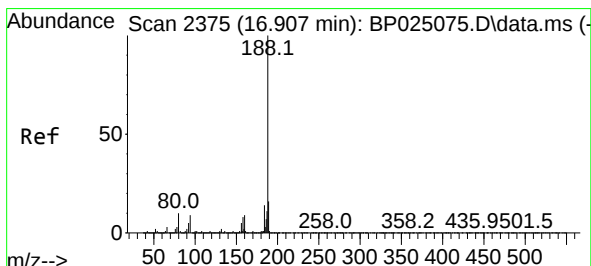
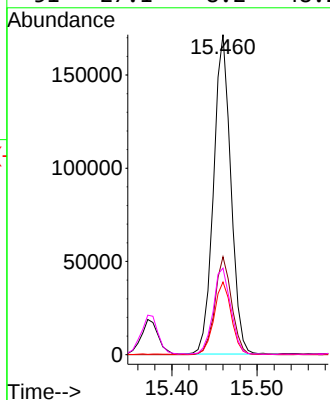
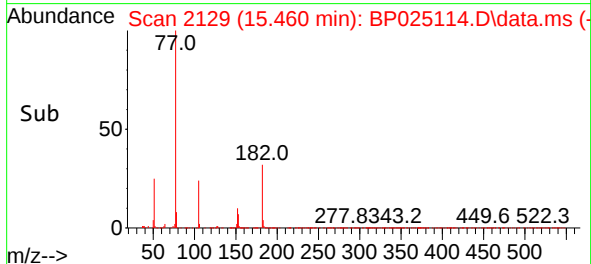
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



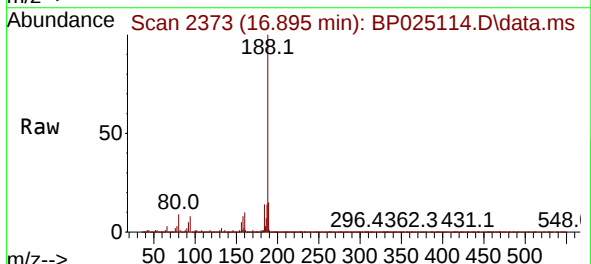
Tgt Ion: 77 Resp: 24094
Ion Ratio Lower Upper
77 100
182 30.6 7.7 47.7
105 22.7 1.9 41.9
51 27.1 8.2 48.2

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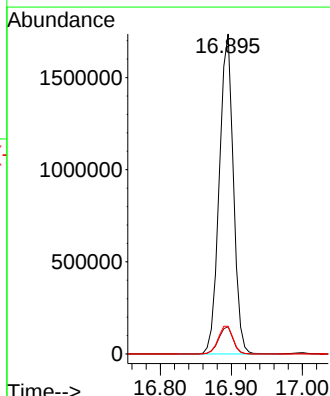
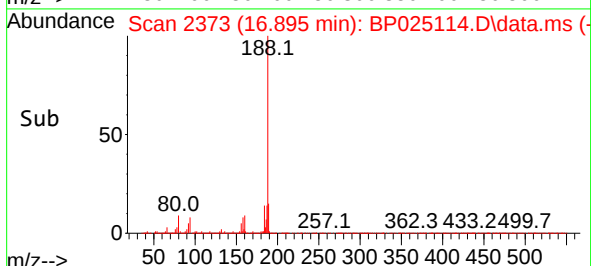
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

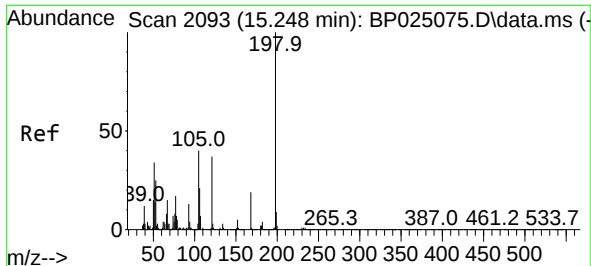


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44



Tgt Ion:188 Resp: 2379249
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 8.7 7.8 11.6





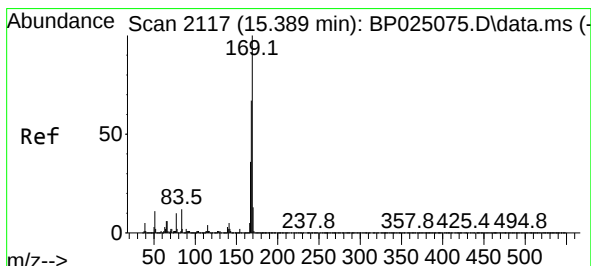
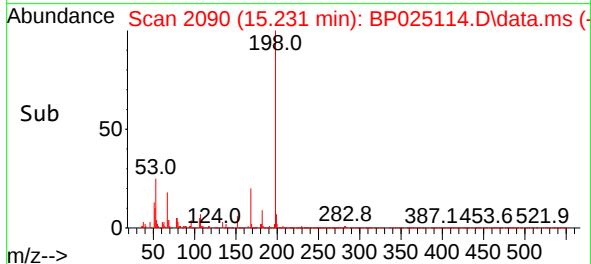
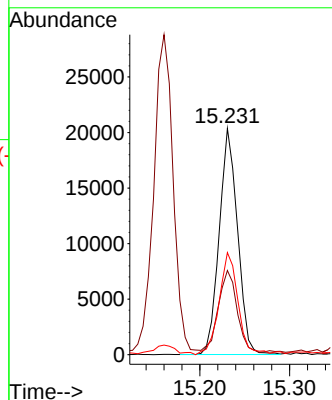
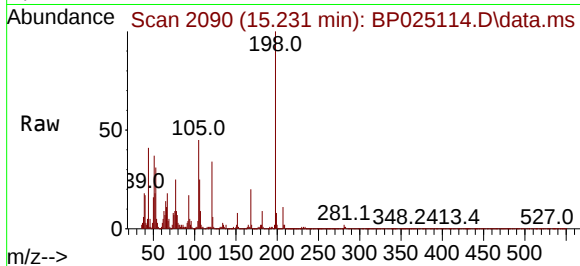
#65
4,6-Dinitro-2-methylphenol
Concen: 7.939 ng
RT: 15.231 min Scan# 2093
Delta R.T. -0.017 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:198 Resp: 2891
Ion Ratio Lower Upper
198 100
51 37.2 16.8 56.8
105 45.1 20.8 60.8

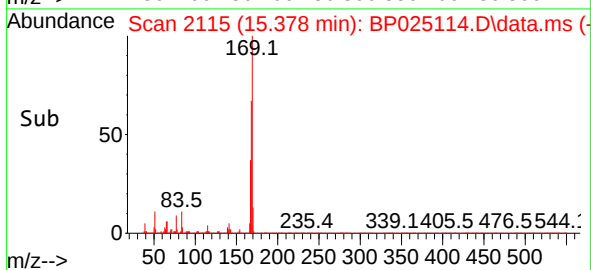
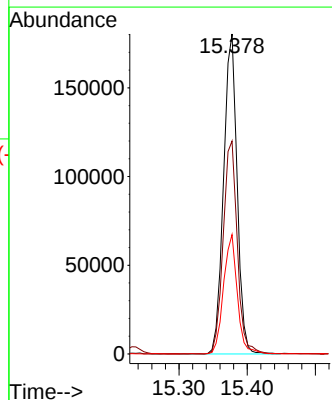
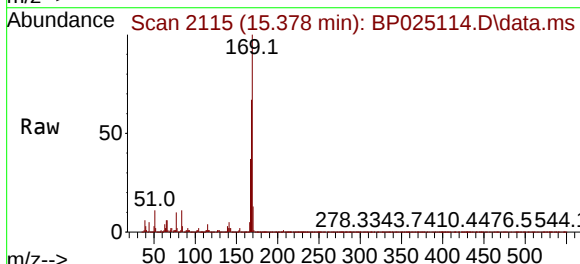
Manual Integrations
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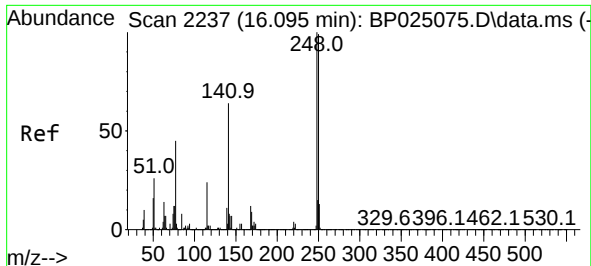
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#66
n-Nitrosodiphenylamine
Concen: 3.666 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:169 Resp: 249637
Ion Ratio Lower Upper
169 100
168 66.5 54.1 81.1
167 37.3 29.0 43.6





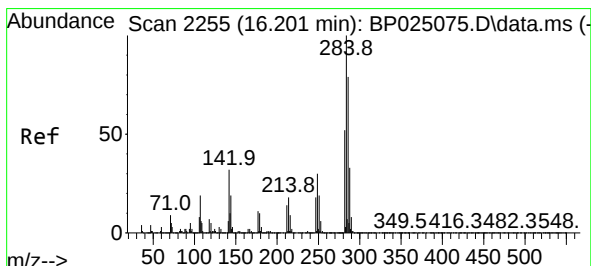
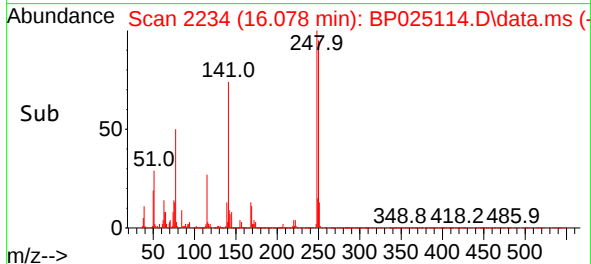
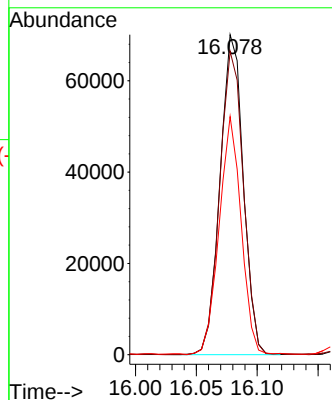
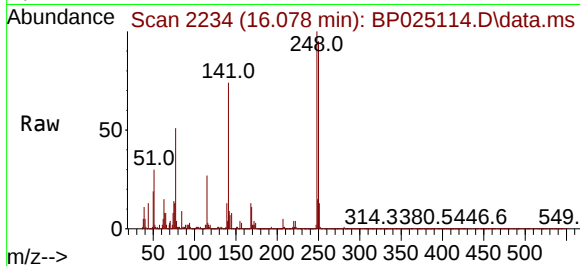
#67
4-Bromophenyl-phenylether
Concen: 3.821 ng
RT: 16.078 min Scan# 211
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:248 Resp: 93085
Ion Ratio Lower Upper
248 100
250 94.8 79.4 119.2
141 74.4 51.4 77.0

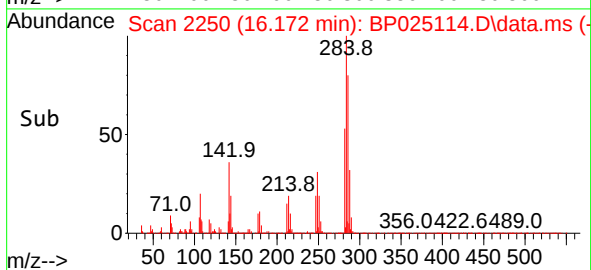
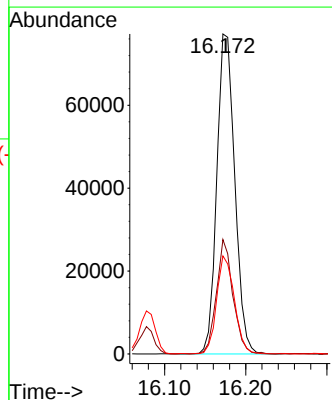
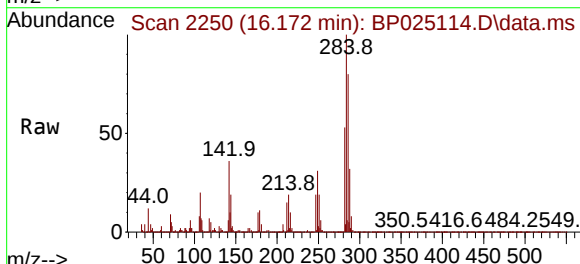
Manual Integrations
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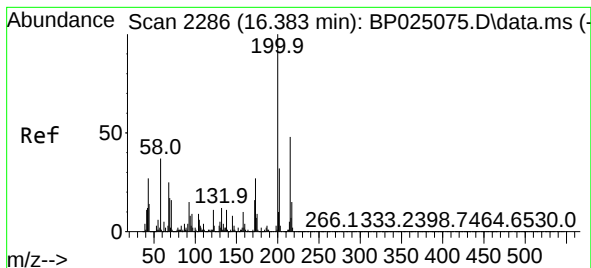
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#68
Hexachlorobenzene
Concen: 3.987 ng
RT: 16.172 min Scan# 2250
Delta R.T. -0.029 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:284 Resp: 118721
Ion Ratio Lower Upper
284 100
142 35.8 25.9 38.9
249 30.6 23.8 35.8





#69

Atrazine

Concen: 4.627 ng

RT: 16.372 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

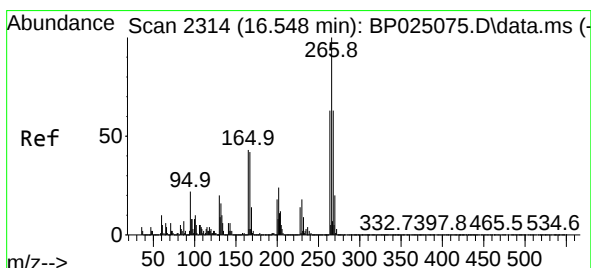
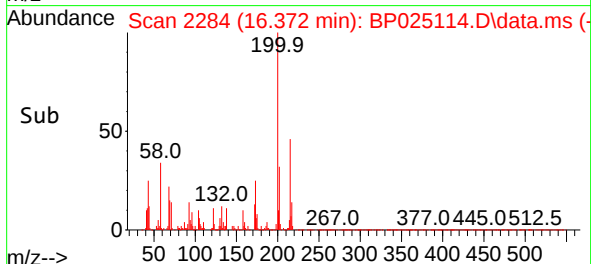
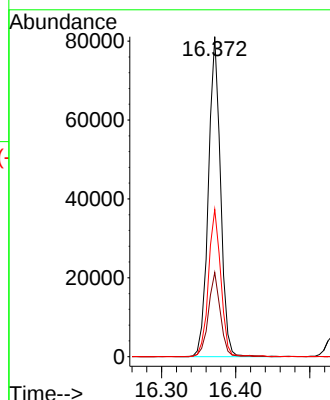
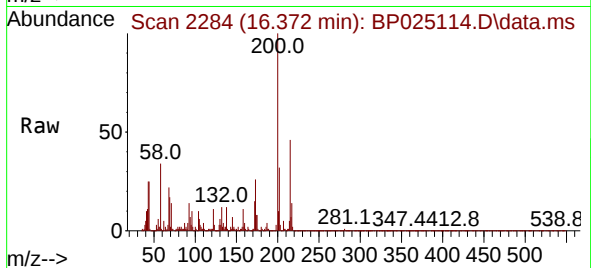
Tgt Ion:200 Resp: 92319
 Ion Ratio Lower Upper
 200 100
 173 26.3 6.6 46.6
 215 46.0 28.0 68.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#70

Pentachlorophenol

Concen: 2.949 ng

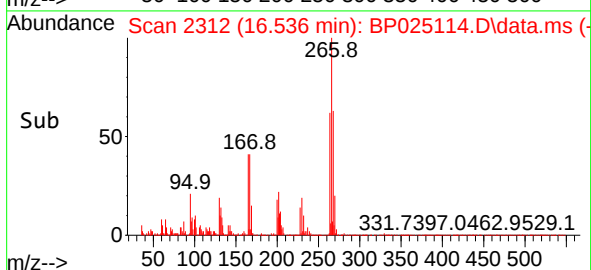
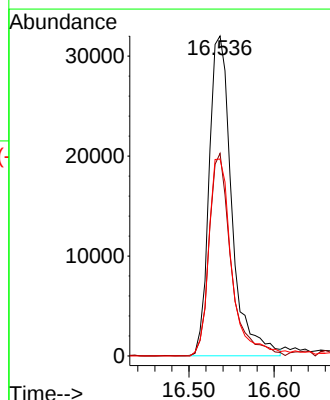
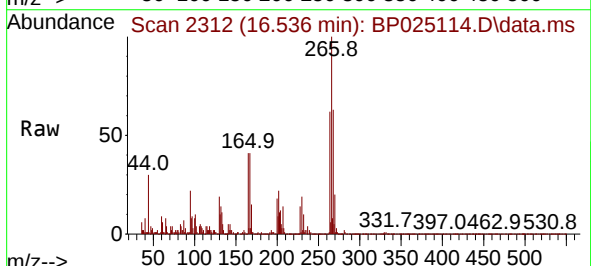
RT: 16.536 min Scan# 2312

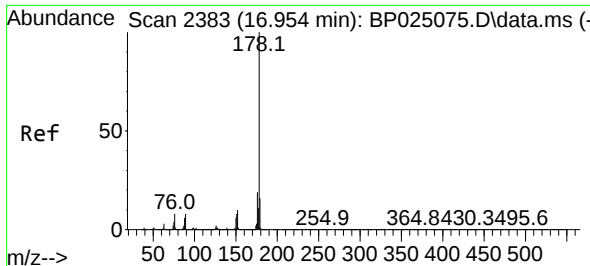
Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:266 Resp: 59305
 Ion Ratio Lower Upper
 266 100
 268 63.3 50.4 75.6
 264 61.5 50.2 75.2





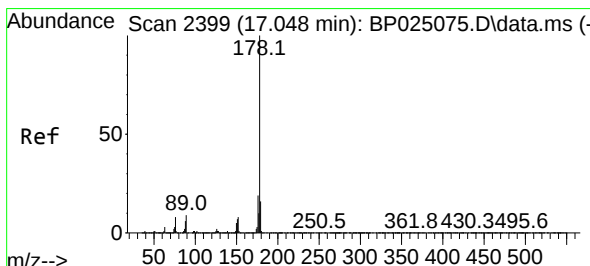
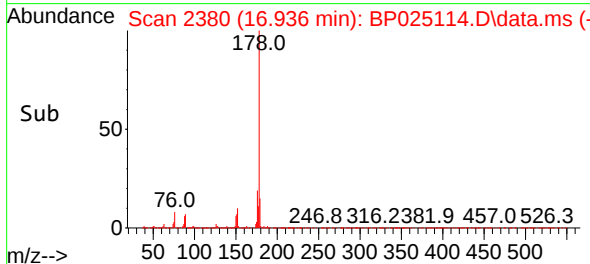
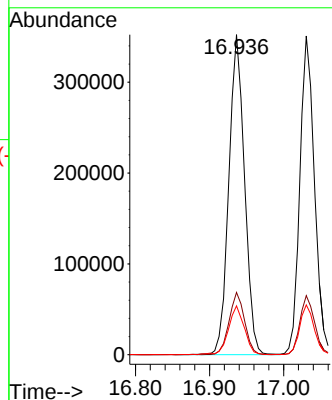
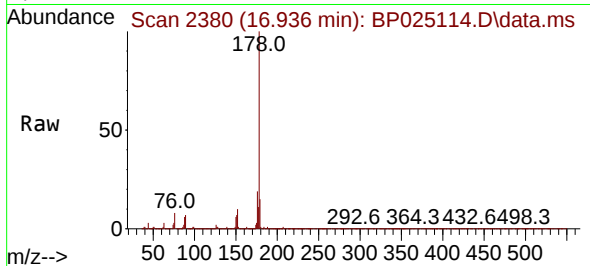
#71
Phenanthrene
Concen: 4.077 ng
RT: 16.936 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

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

Tgt Ion:178 Resp: 51830
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.2 12.6 19.0

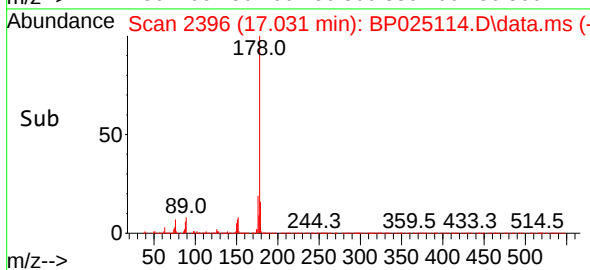
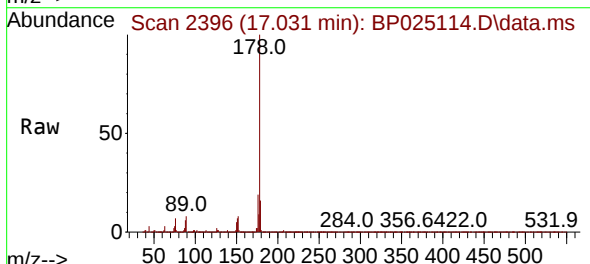
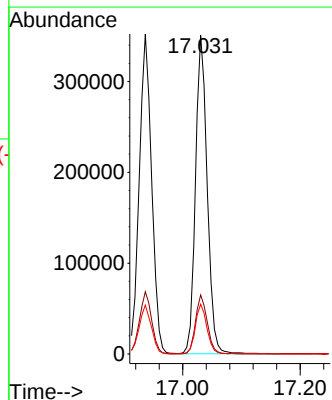
Manual Integrations
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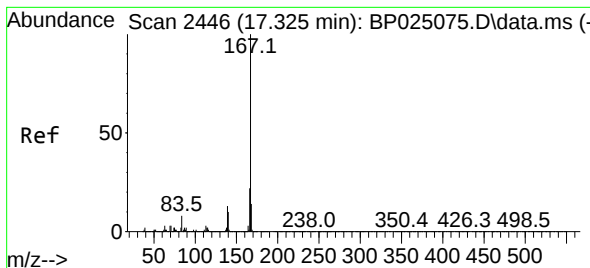
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#72
Anthracene
Concen: 3.976 ng
RT: 17.031 min Scan# 2396
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:178 Resp: 484992
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.6 12.5 18.7





#73

Carbazole

Concen: 3.869 ng

RT: 17.313 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

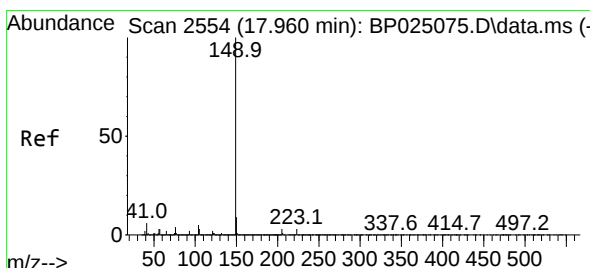
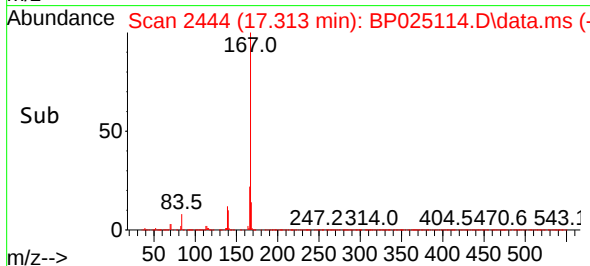
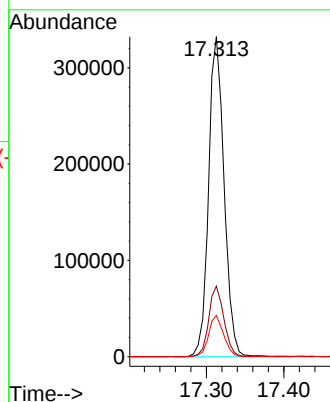
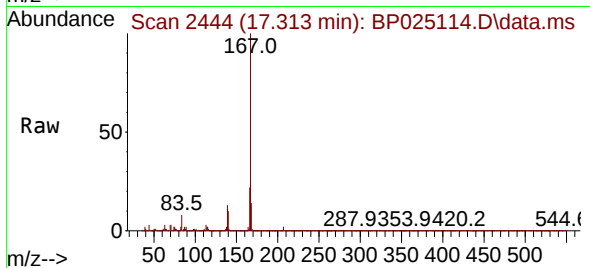
Tgt Ion:167	Resp: 46136
Ion Ratio	Lower Upper
167 100	
166 22.1	17.4 26.0
139 12.9	10.4 15.6

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: 3.596 ng

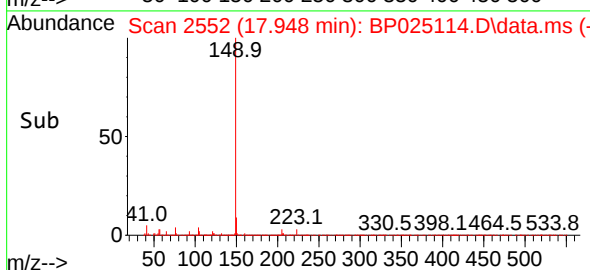
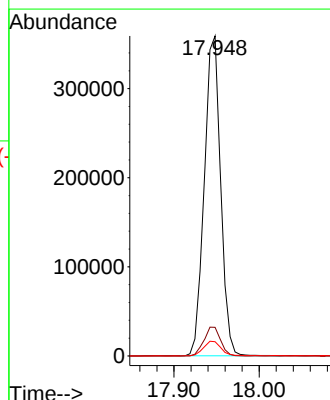
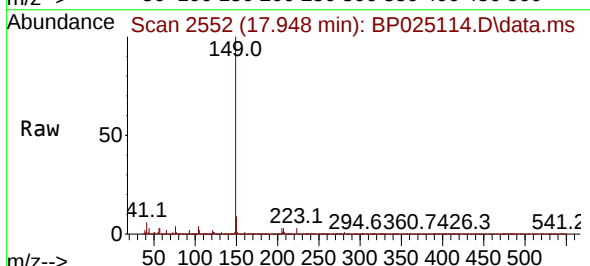
RT: 17.948 min Scan# 2552

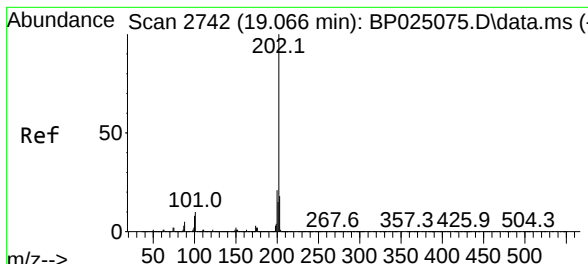
Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

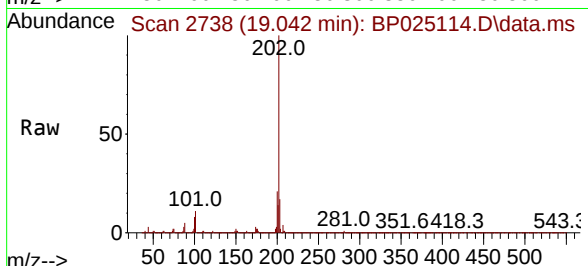
Tgt Ion:149	Resp: 477557
Ion Ratio	Lower Upper
149 100	
150 9.0	7.3 10.9
104 4.5	3.8 5.6





#75
Fluoranthene
Concen: 3.803 ng
RT: 19.042 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

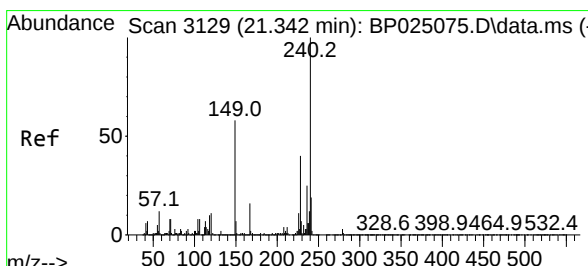
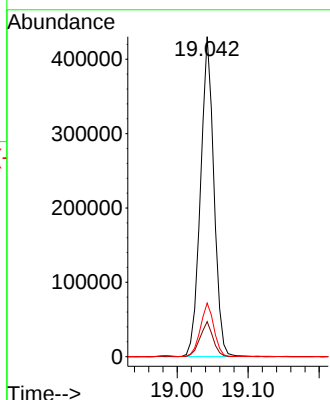
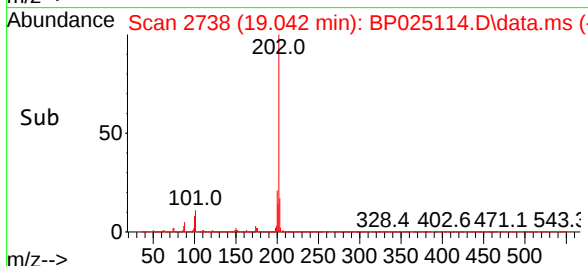
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:202 Resp: 565150
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.4
203 16.8 0.0 37.6

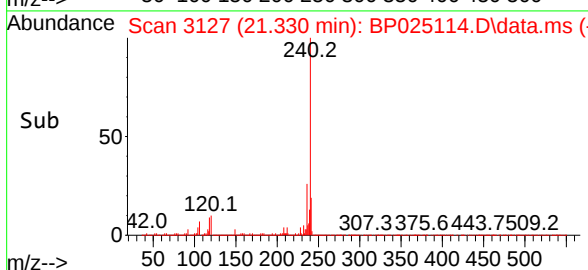
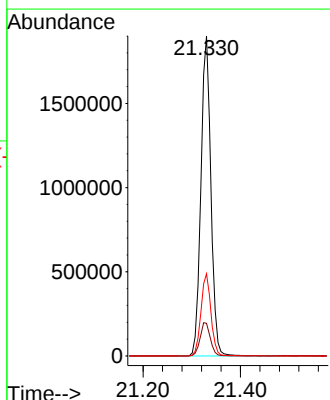
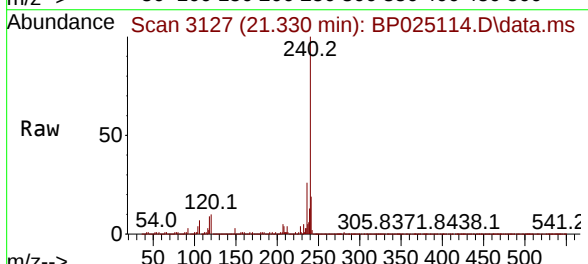
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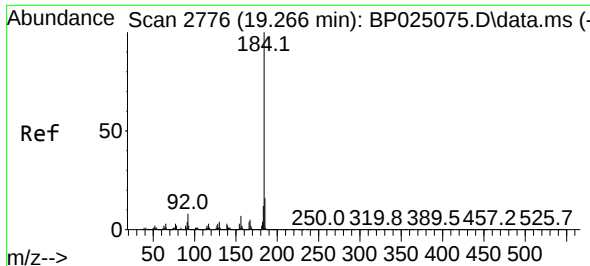
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.330 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

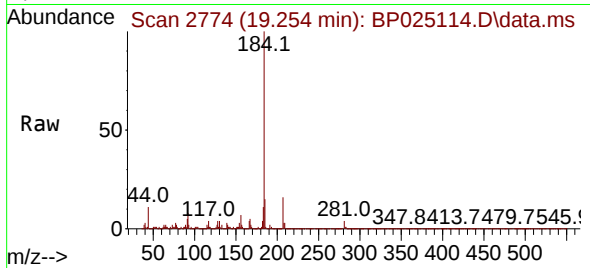
Tgt Ion:240 Resp: 2691664
Ion Ratio Lower Upper
240 100
120 10.2 9.0 13.4
236 25.7 20.3 30.5





#77
Benzidine
Concen: 4.027 ng
RT: 19.254 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

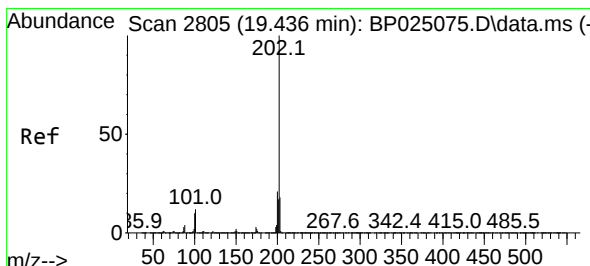
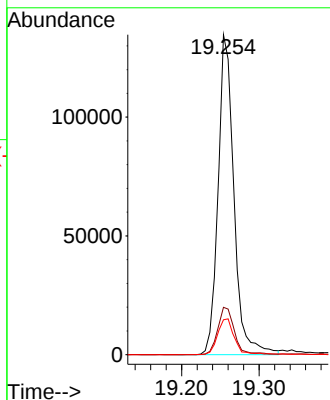
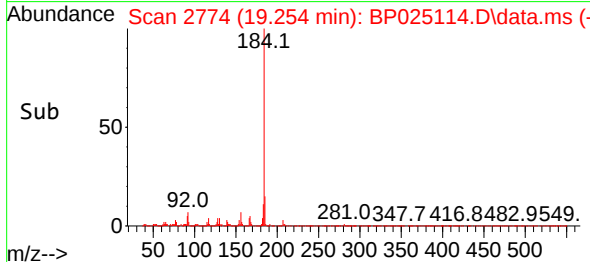
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:184 Resp: 19145
Ion Ratio Lower Upper
184 100
185 14.8 12.6 18.8
183 10.9 9.4 14.2

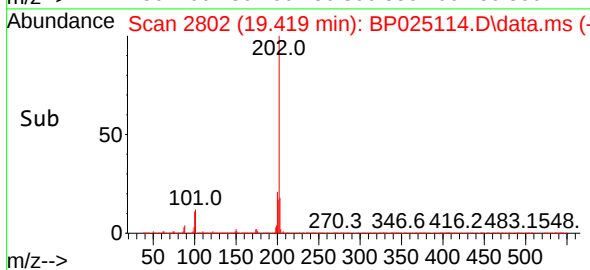
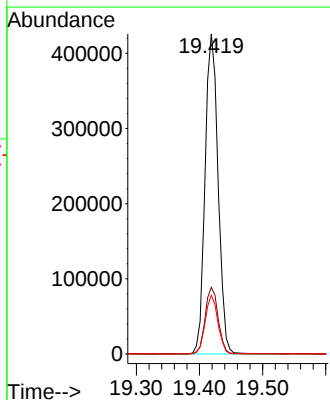
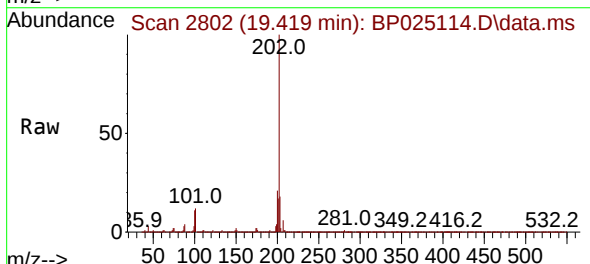
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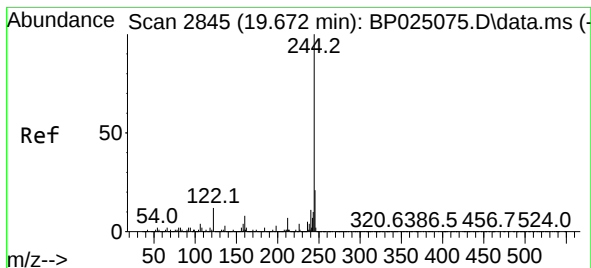
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#78
Pyrene
Concen: 3.663 ng
RT: 19.419 min Scan# 2802
Delta R.T. -0.018 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:202 Resp: 610612
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 90.612 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.006 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:244 Resp:11097414

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

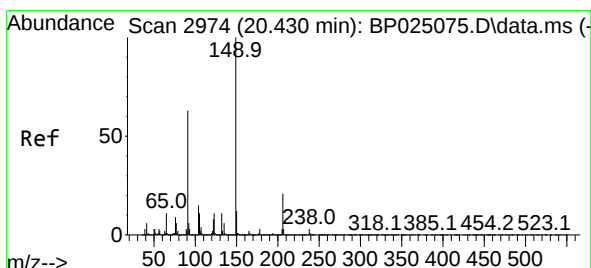
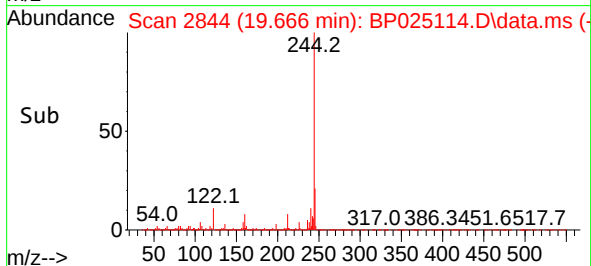
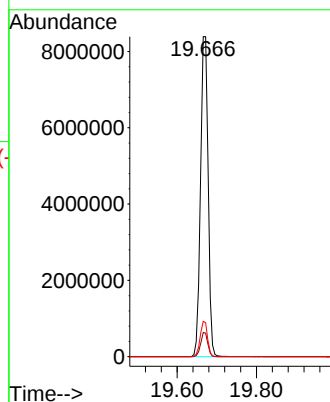
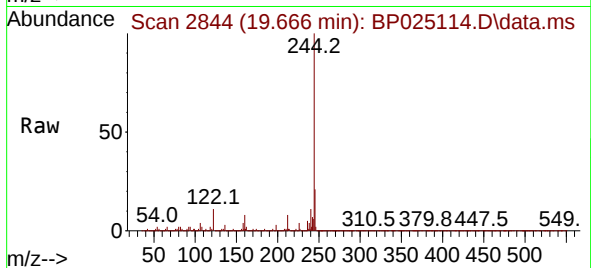
122 11.1 9.4 14.2

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#80

Butylbenzylphthalate

Concen: 6.448 ng

RT: 20.424 min Scan# 2973

Delta R.T. -0.006 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

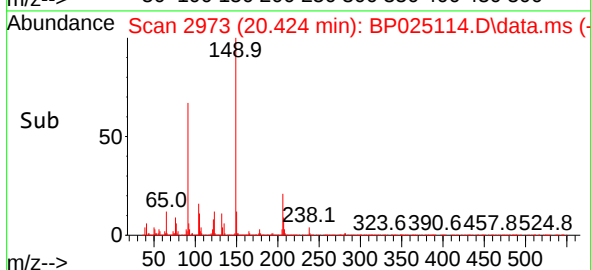
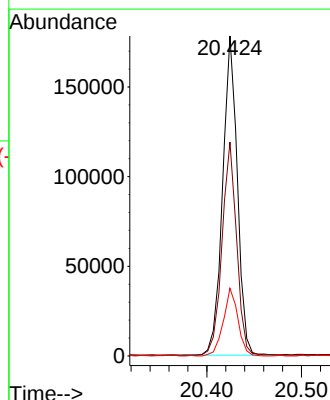
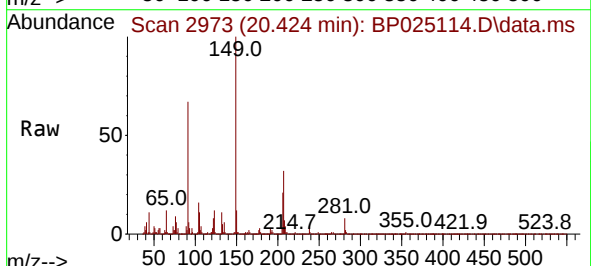
Tgt Ion:149 Resp: 192445

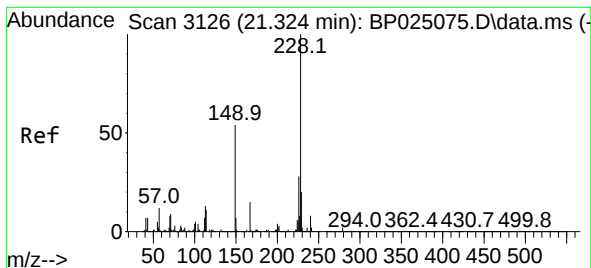
Ion Ratio Lower Upper

149 100

91 66.9 50.6 76.0

206 21.1 17.2 25.8





#81

Benzo(a)anthracene

Concen: 3.928 ng

RT: 21.313 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

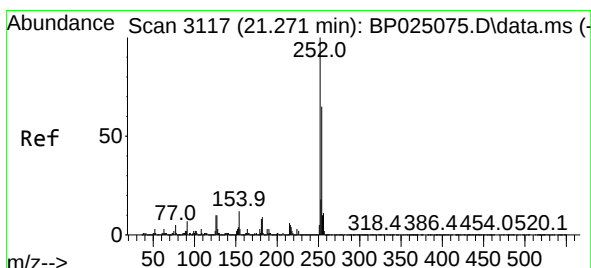
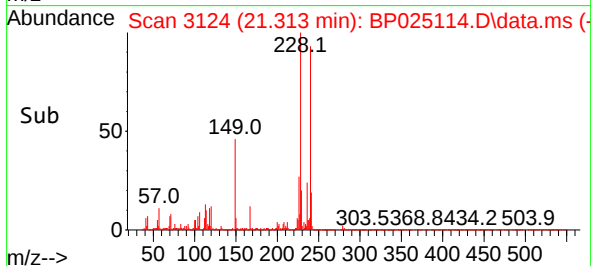
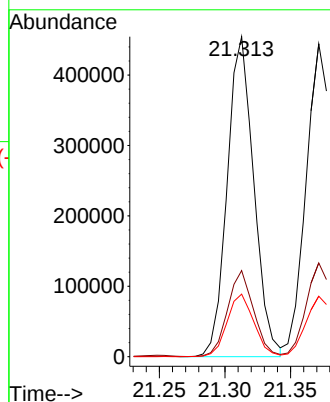
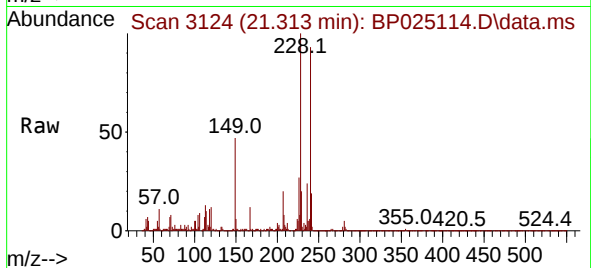
Tgt Ion:228 Resp: 640690
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.1 33.1
 229 19.5 16.0 24.0

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Supervised By :Jagrut Upadhyay 07/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 3.756 ng

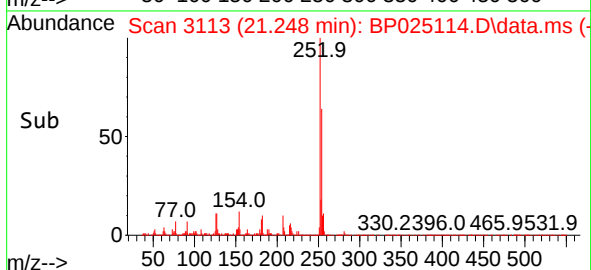
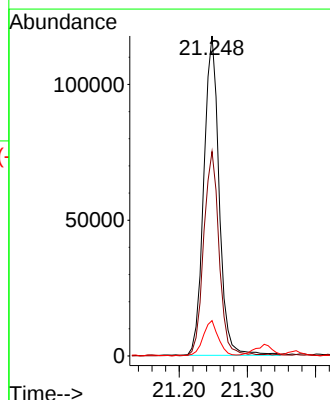
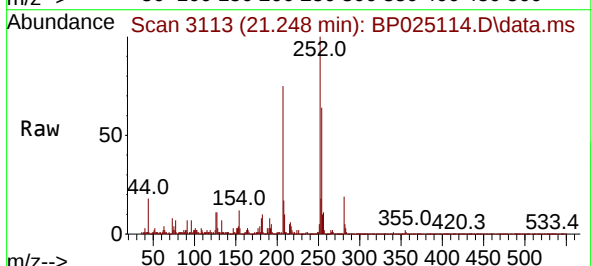
RT: 21.248 min Scan# 3113

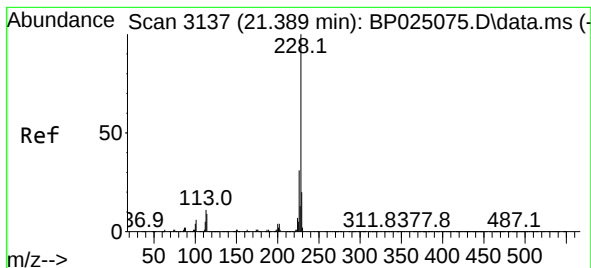
Delta R.T. -0.023 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:252 Resp: 184425
 Ion Ratio Lower Upper
 252 100
 254 63.9 51.9 77.9
 126 11.1 8.1 12.1





#83

Chrysene

Concen: 3.915 ng

RT: 21.372 min Scan# 3137

Delta R.T. -0.018 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

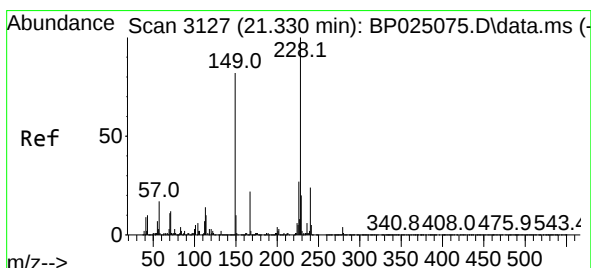
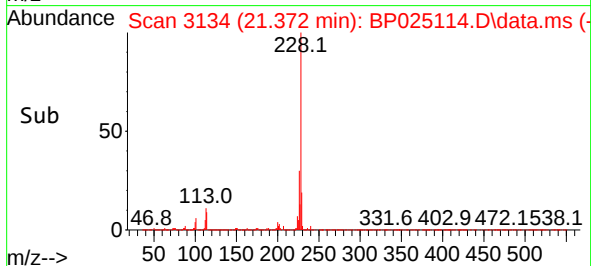
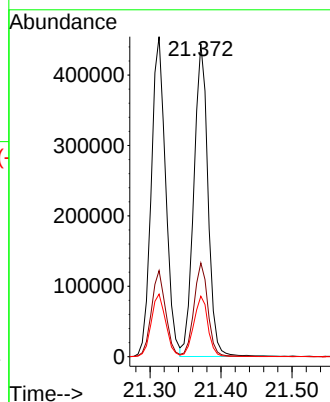
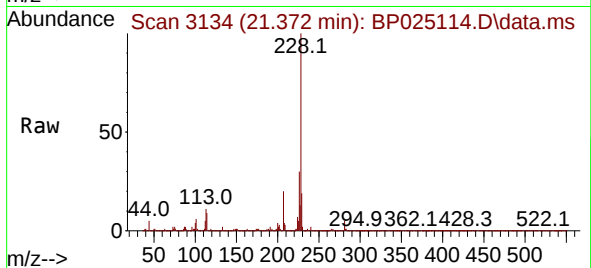
ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:228 Resp: 614618
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.4 36.6
 229 19.4 16.0 24.0

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.550 ng

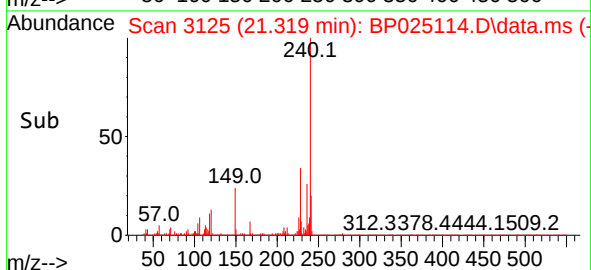
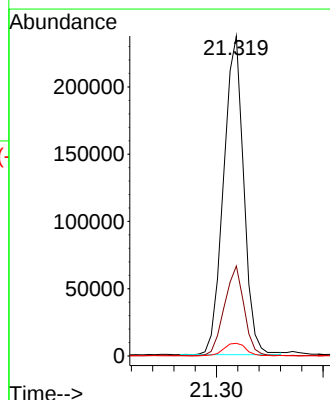
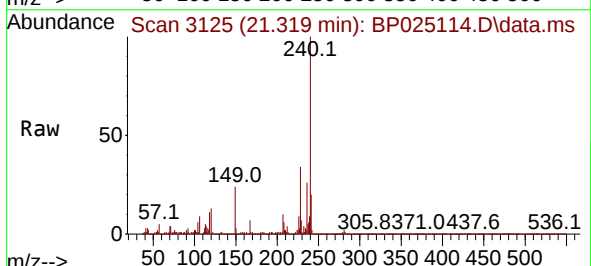
RT: 21.319 min Scan# 3125

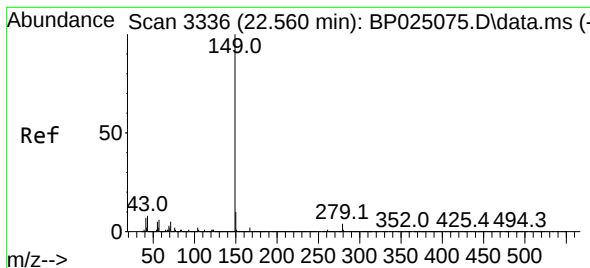
Delta R.T. -0.012 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:149 Resp: 310641
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.9 32.9
 279 4.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 8.530 ng

RT: 22.530 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:149 Resp: 44678

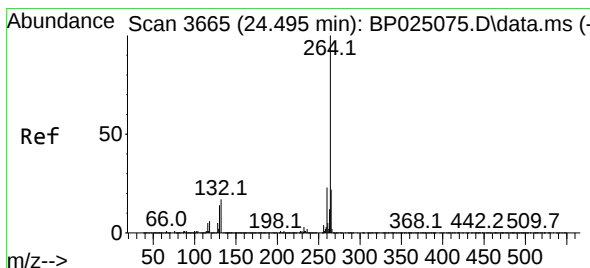
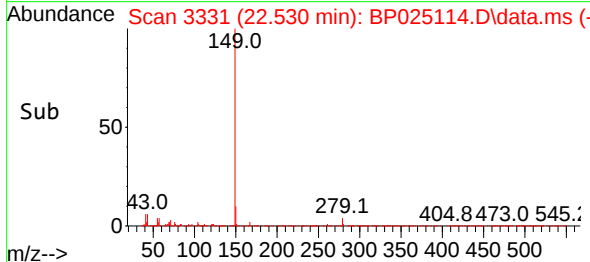
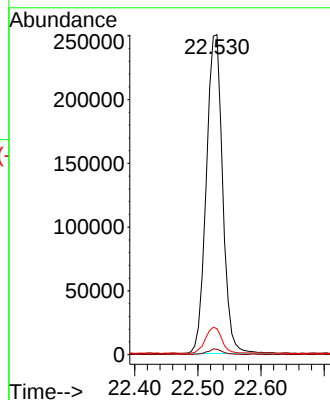
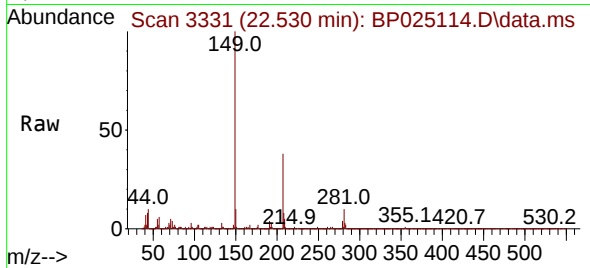
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.9	10.3

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.465 min Scan# 3660

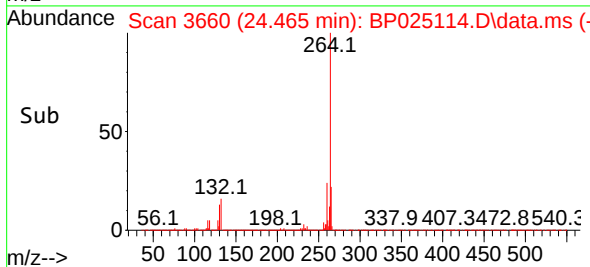
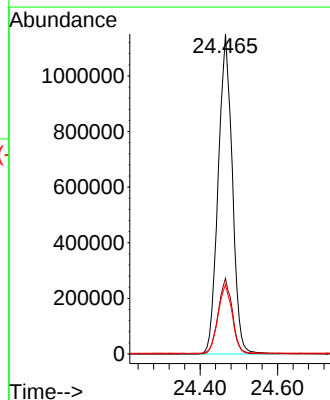
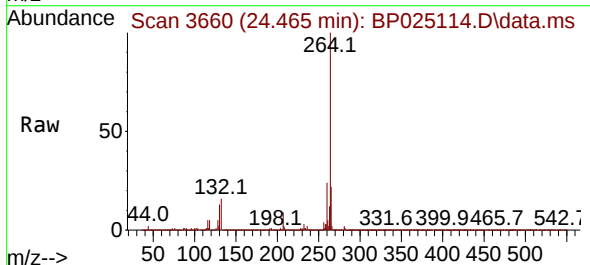
Delta R.T. -0.029 min

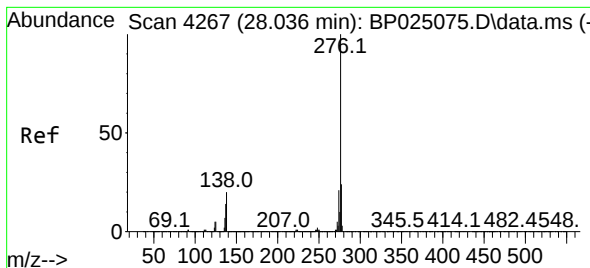
Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:264 Resp: 2904678

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.8	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.830 ng m

RT: 27.959 min Scan# 41

Delta R.T. -0.076 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

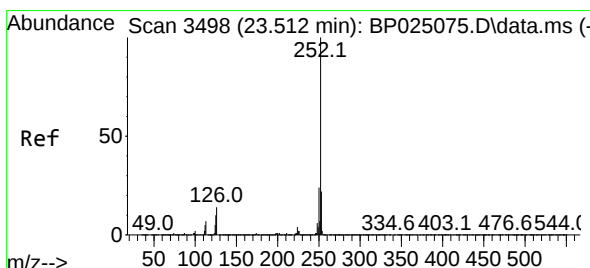
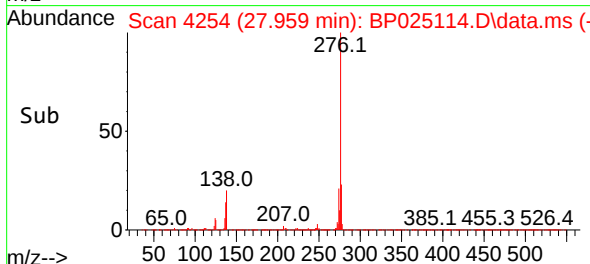
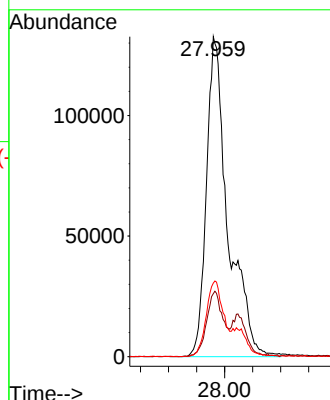
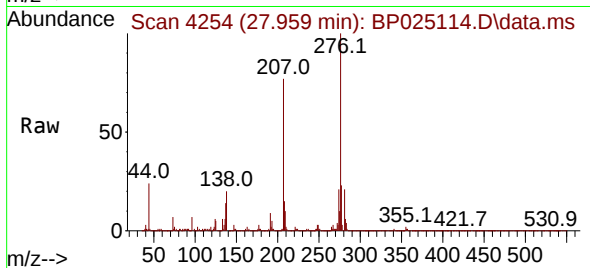
Tgt Ion:	276	Resp:	708779
Ion Ratio	Lower	Upper	
276	100		
138	16.1	13.0	19.6
277	18.7	15.9	23.9

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#88

Benzo(b)fluoranthene

Concen: 3.626 ng

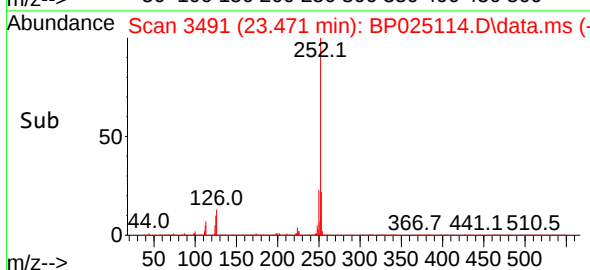
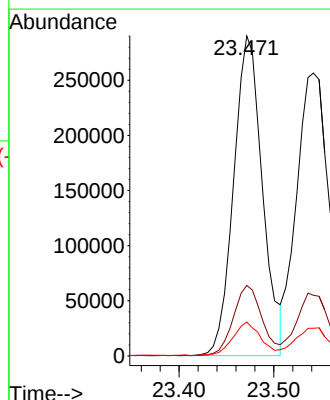
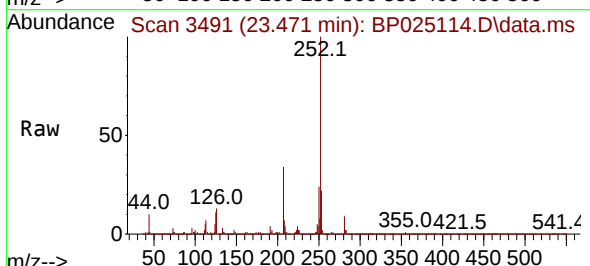
RT: 23.471 min Scan# 3491

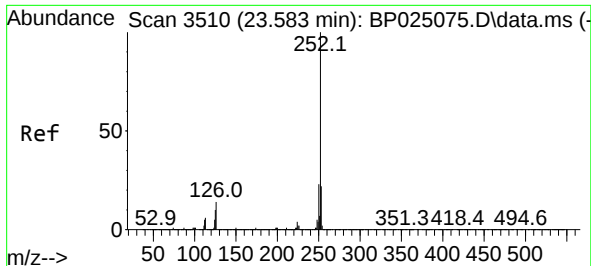
Delta R.T. -0.041 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

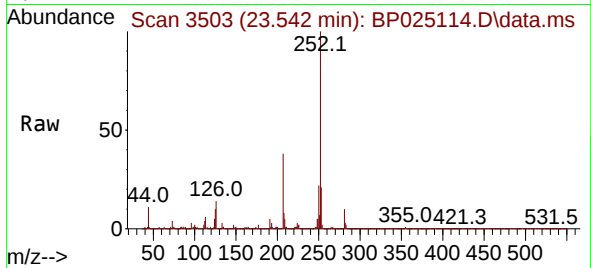
Tgt Ion:	252	Resp:	612999
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.7	26.5
125	10.6	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 3.637 ng
RT: 23.542 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

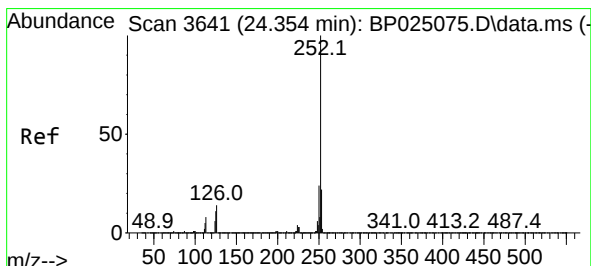
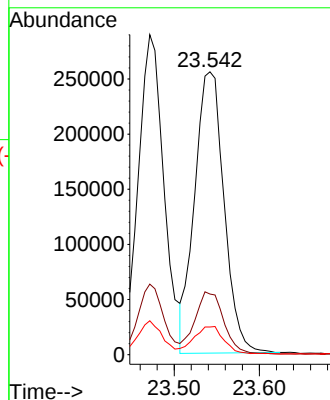
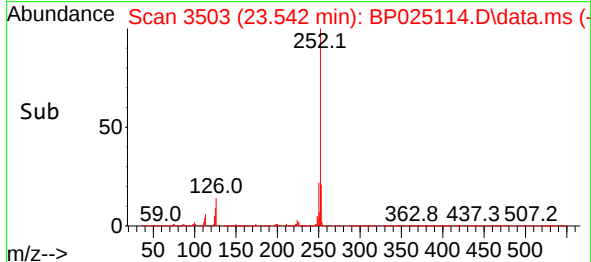
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:252 Resp: 61185
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 9.8 8.2 12.2

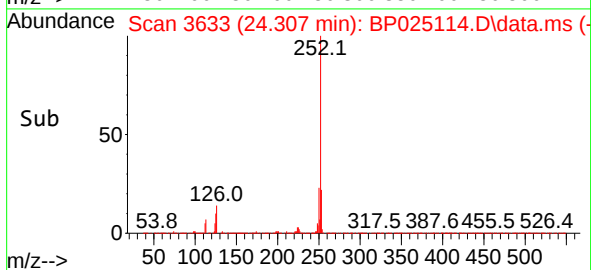
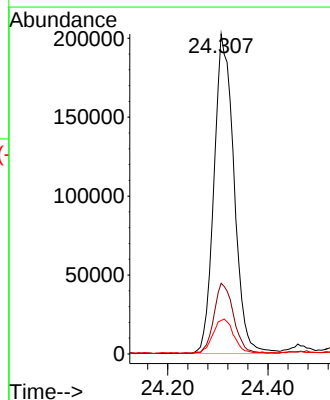
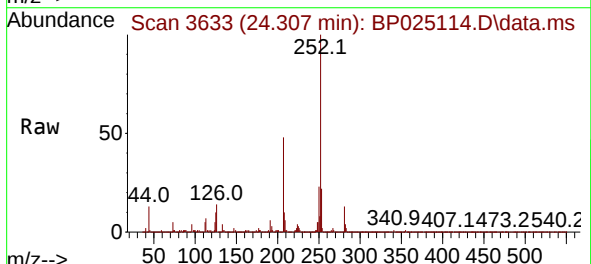
Manual Integrations
APPROVED

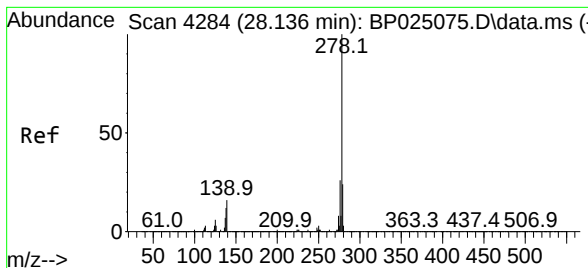
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#90
Benzo(a)pyrene
Concen: 3.890 ng
RT: 24.307 min Scan# 3633
Delta R.T. -0.047 min
Lab File: BP025114.D
Acq: 14 Jul 2025 10:44

Tgt Ion:252 Resp: 559686
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 10.5 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.761 ng

RT: 28.054 min Scan# 41

Delta R.T. -0.082 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2025

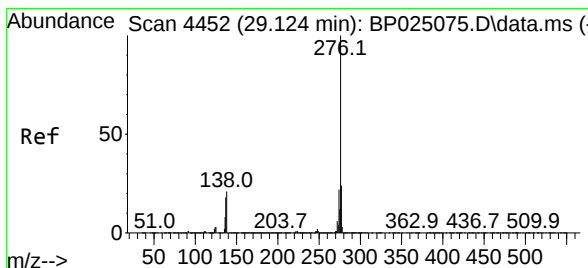
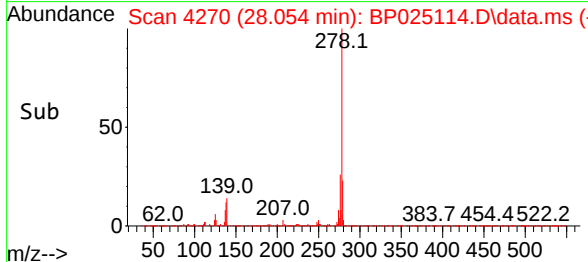
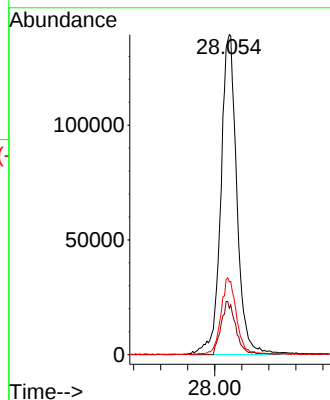
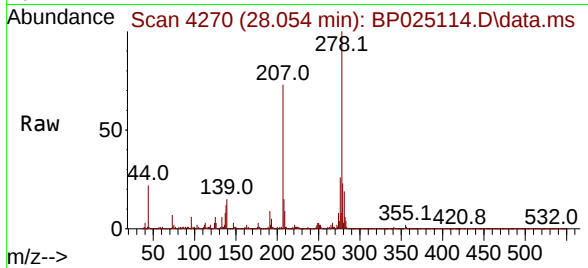
Tgt Ion:	278	Resp:	575254
Ion Ratio	Lower	Upper	
278	100		
139	14.5	13.1	19.7
279	22.8	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#92

Benzo(g,h,i)perylene

Concen: 3.722 ng

RT: 29.042 min Scan# 4438

Delta R.T. -0.082 min

Lab File: BP025114.D

Acq: 14 Jul 2025 10:44

Tgt Ion:	276	Resp:	588175
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.3	28.9
138	22.0	16.9	25.3

