

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090525\
 Data File : BP025673.D
 Acq On : 05 Sep 2025 11:21
 Operator : CG/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Sep 05 12:39:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	149264	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	618053	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	416859	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	844672	20.000	ng	0.00
76) Chrysene-d12	21.642	240	902070	20.000	ng	0.00
86) Perylene-d12	25.024	264	992930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1034593	115.108	ng	-0.02
7) Phenol-d6	6.955	99	1360453	118.060	ng	-0.01
23) Nitrobenzene-d5	8.913	82	950504	77.795	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	702145	125.138	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2245131	73.607	ng	-0.02
79) Terphenyl-d14	19.913	244	3723817	75.526	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.320	88	27121	7.704	ng	97
3) Pyridine	3.725	79	68301	7.088	ng	91
4) n-Nitrosodimethylamine	3.625	42	33472	8.426	ng	# 84
6) Aniline	7.102	93	111560	7.185	ng	96
8) 2-Chlorophenol	7.343	128	74634	7.358	ng	94
9) Benzaldehyde	6.925	77	63922m	7.918	ng	
10) Phenol	6.978	94	88138	7.289	ng	80
11) bis(2-Chloroethyl)ether	7.196	93	68432	7.261	ng	95
12) 1,3-Dichlorobenzene	7.661	146	83754	7.489	ng	94
13) 1,4-Dichlorobenzene	7.802	146	82853	7.248	ng	100
14) 1,2-Dichlorobenzene	8.113	146	79963	7.226	ng	99
15) Benzyl Alcohol	8.013	79	65780	7.184	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.290	45	99005	7.842	ng	99
17) 2-Methylphenol	8.213	107	58600	6.978	ng	97
18) Hexachloroethane	8.837	117	31545	7.505	ng	94
19) n-Nitroso-di-n-propyla...	8.566	70	57215	7.496	ng	92
20) 3+4-Methylphenols	8.543	107	76872	6.604	ng	97
22) Acetophenone	8.584	105	118818	7.666	ng	# 96
24) Nitrobenzene	8.960	77	87520	8.015	ng	95
25) Isophorone	9.478	82	159562	7.379	ng	96
26) 2-Nitrophenol	9.666	139	37884	6.760	ng	98
27) 2,4-Dimethylphenol	9.731	122	64109	6.652	ng	97
28) bis(2-Chloroethoxy)met...	9.955	93	94431	7.225	ng	98
29) 2,4-Dichlorophenol	10.219	162	60734	6.344	ng	93
30) 1,2,4-Trichlorobenzene	10.407	180	74508	7.100	ng	98
31) Naphthalene	10.596	128	236558	7.364	ng	99
32) Benzoic acid	9.849	122	28950	4.069	ng	94
33) 4-Chloroaniline	10.707	127	90219	6.358	ng	95
34) Hexachlorobutadiene	10.878	225	48182	7.372	ng	97
35) Caprolactam	11.490	113	21655	6.169	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	77661	7.070	ng	96
37) 2-Methylnaphthalene	12.196	142	149794	7.165	ng	96
38) 1-Methylnaphthalene	12.425	142	161350	7.258	ng	100
40) 1,2,4,5-Tetrachloroben...	12.572	216	89744	7.454	ng	100
41) Hexachlorocyclopentadiene	12.549	237	29367	4.038	ng	93
43) 2,4,6-Trichlorophenol	12.825	196	53746	6.613	ng	96

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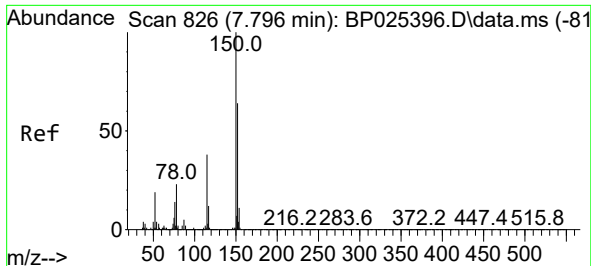
Quant Time: Sep 05 12:39:09 2025
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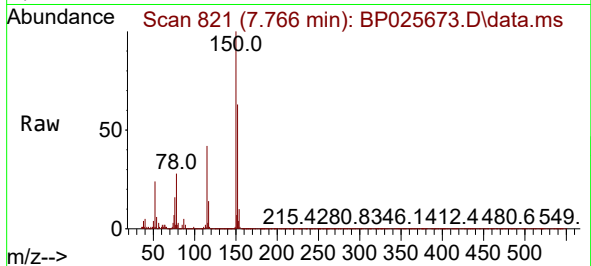
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.907	196	60368	6.777	ng	98
46) 1,1'-Biphenyl	13.213	154	223641	7.387	ng	98
47) 2-Chloronaphthalene	13.260	162	171301	7.268	ng	99
48) 2-Nitroaniline	13.472	65	49384	7.191	ng	94
49) Acenaphthylene	14.113	152	283398	7.267	ng	99
50) Dimethylphthalate	13.843	163	226604	7.423	ng	99
51) 2,6-Dinitrotoluene	13.954	165	45440	7.062	ng	89
52) Acenaphthene	14.460	154	165557	7.232	ng	99
53) 3-Nitroaniline	14.307	138	46728	6.455	ng	94
54) 2,4-Dinitrophenol	14.531	184	17210	5.009	ng	92
55) Dibenzofuran	14.807	168	269353	7.442	ng	97
56) 4-Nitrophenol	14.678	139	20697	3.479	ng	87
57) 2,4-Dinitrotoluene	14.766	165	63211	6.886	ng	# 89
58) Fluorene	15.460	166	219413	7.683	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.037	232	55757	7.089	ng	98
60) Diethylphthalate	15.231	149	231339	7.458	ng	98
61) 4-Chlorophenyl-phenyle...	15.448	204	107488	7.568	ng	94
62) 4-Nitroaniline	15.495	138	45791	6.170	ng	93
63) Azobenzene	15.748	77	202509	7.625	ng	98
65) 4,6-Dinitro-2-methylph...	15.554	198	31098	5.906	ng	95
66) n-Nitrosodiphenylamine	15.672	169	184777	7.174	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	68853	7.412	ng	97
68) Hexachlorobenzene	16.484	284	79793	7.410	ng	100
69) Atrazine	16.654	200	68792	7.132	ng	94
70) Pentachlorophenol	16.848	266	41233	6.066	ng	89
71) Phenanthrene	17.237	178	345629	7.449	ng	99
72) Anthracene	17.337	178	339056	7.155	ng	99
73) Carbazole	17.619	167	313428	7.022	ng	98
74) Di-n-butylphthalate	18.207	149	386062	7.031	ng	100
75) Fluoranthene	19.331	202	391411	7.072	ng	99
77) Benzidine	19.525	184	191051	6.206	ng	100
78) Pyrene	19.707	202	422486	7.206	ng	98
80) Butylbenzylphthalate	20.648	149	177322	6.673	ng	99
81) Benzo(a)anthracene	21.630	228	420903	7.075	ng	98
82) 3,3'-Dichlorobenzidine	21.548	252	145850	6.504	ng	98
83) Chrysene	21.695	228	404772	7.265	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	259278	6.628	ng	100
85) Di-n-octyl phthalate	22.836	149	427252	6.350	ng	97
87) Indeno(1,2,3-cd)pyrene	28.842	276	492541	6.764	ng	99
88) Benzo(b)fluoranthene	23.942	252	407150	6.954	ng	99
89) Benzo(k)fluoranthene	24.001	252	418467	7.142	ng	99
90) Benzo(a)pyrene	24.854	252	396824	6.963	ng	98
91) Dibenzo(a,h)anthracene	28.936	278	401006	6.739	ng	98
92) Benzo(g,h,i)perylene	30.030	276	399214	6.825	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

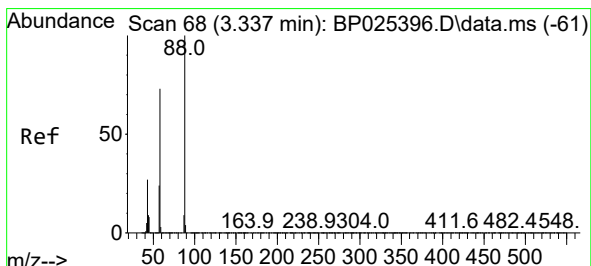
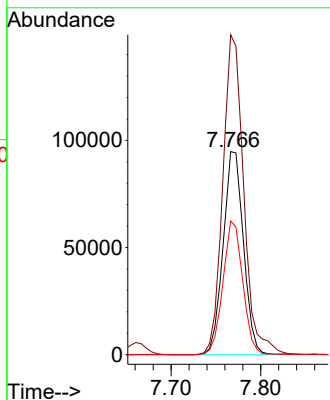
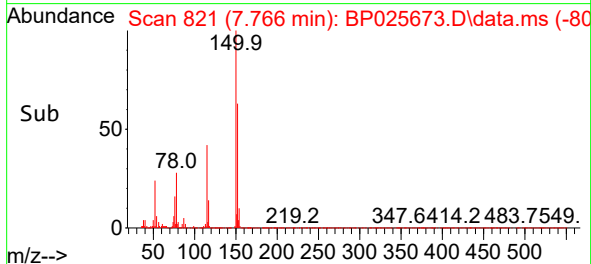
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 152 Resp: 149264
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 65.8 48.5 72.7

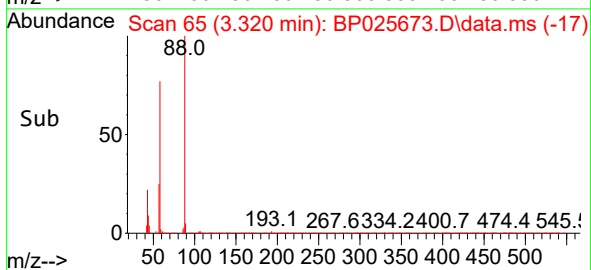
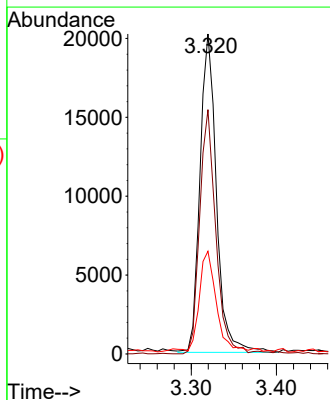
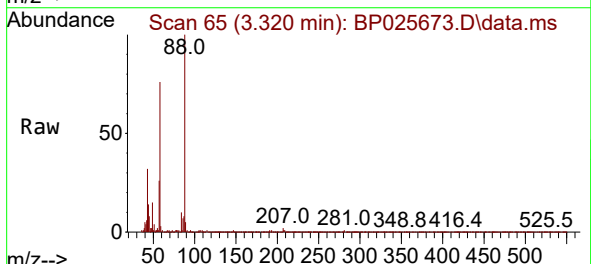
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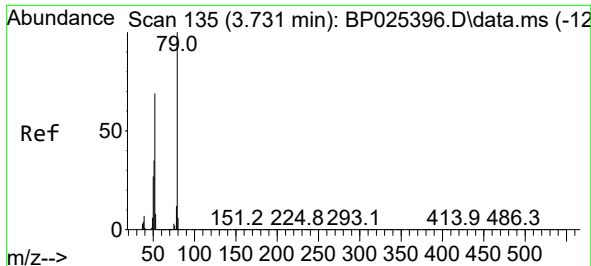
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#2
1,4-Dioxane
Concen: 7.704 ng
RT: 3.320 min Scan# 65
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion: 88 Resp: 27121
Ion Ratio Lower Upper
88 100
58 74.8 59.2 88.8
43 30.8 21.7 32.5





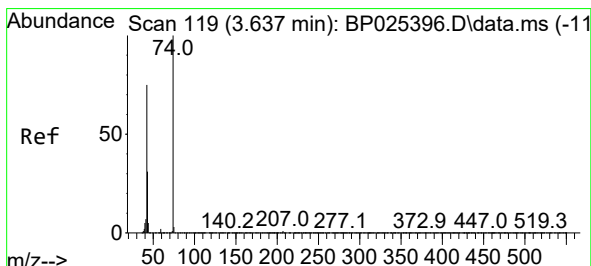
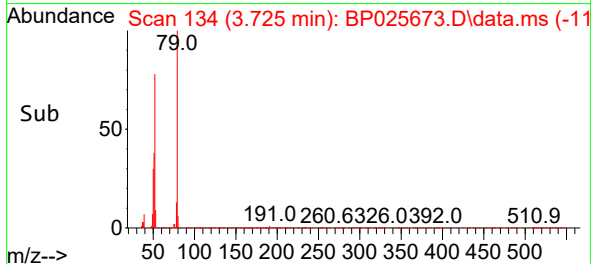
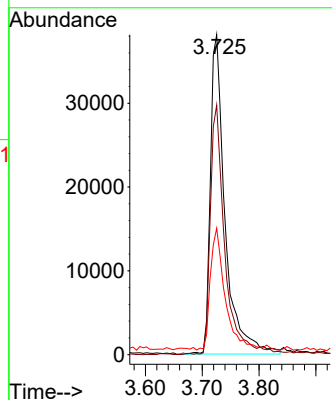
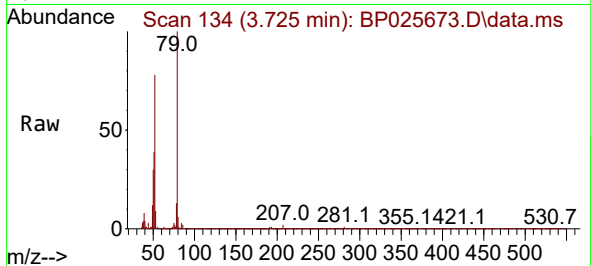
#3
Pyridine
Concen: 7.088 ng
RT: 3.725 min Scan# 117
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

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ClientSampleId : MDL-SOIL-03-QT3-2025

Tgt Ion: 79 Resp: 6830
Ion Ratio Lower Upper
79 100
52 78.0 55.5 83.3
51 39.5 28.3 42.5

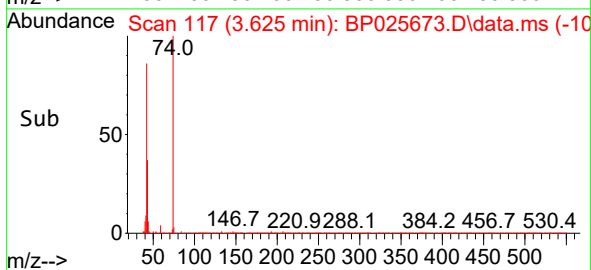
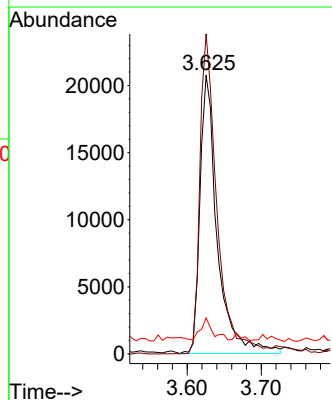
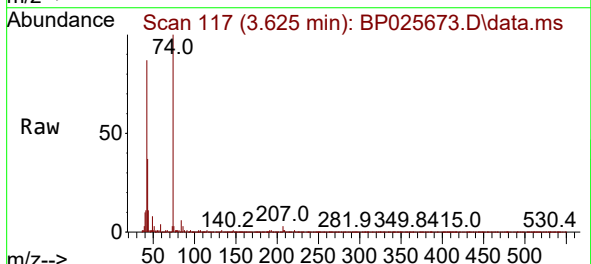
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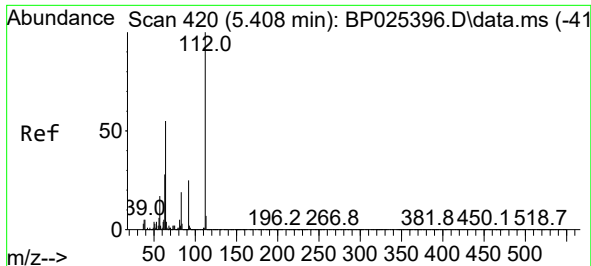
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Supervised By :Jagrut Upadhyay 09/05/2025



#4
n-Nitrosodimethylamine
Concen: 8.426 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

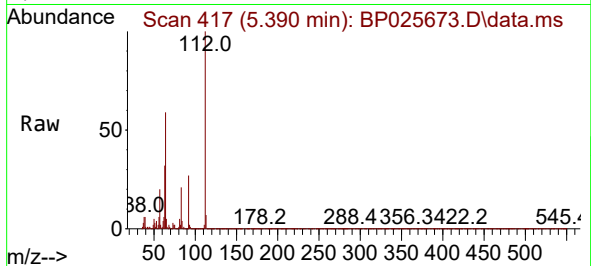
Tgt Ion: 42 Resp: 33472
Ion Ratio Lower Upper
42 100
74 114.8 107.0 160.4
44 12.9 6.2 9.4





#5
2-Fluorophenol
Concen: 115.108 ng
RT: 5.390 min Scan# 417
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

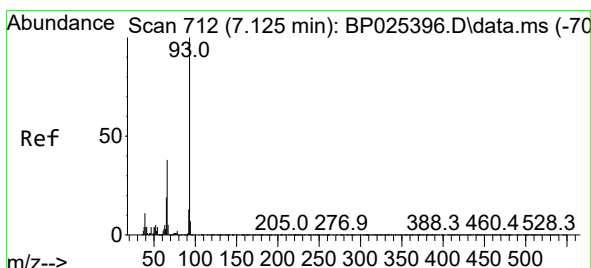
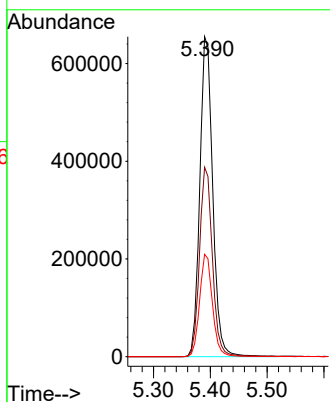
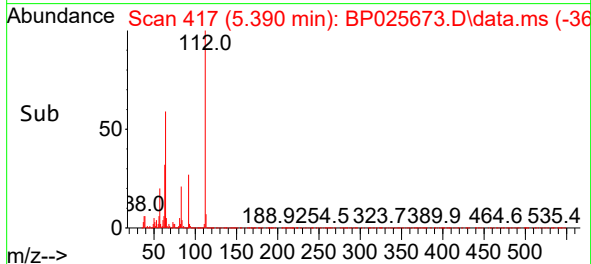
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:112 Resp: 103459
Ion Ratio Lower Upper
112 100
64 59.2 43.8 65.8
63 32.0 22.7 34.1

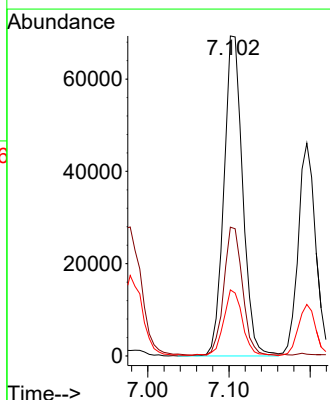
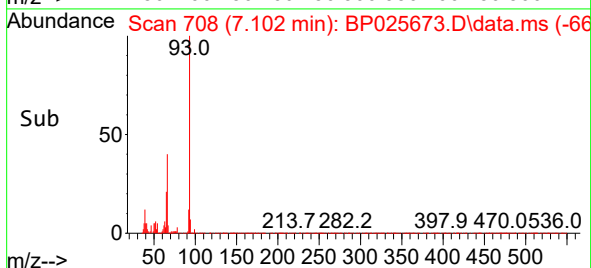
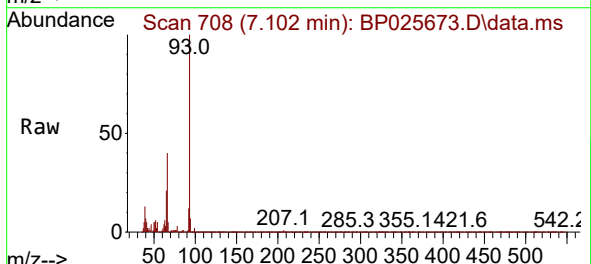
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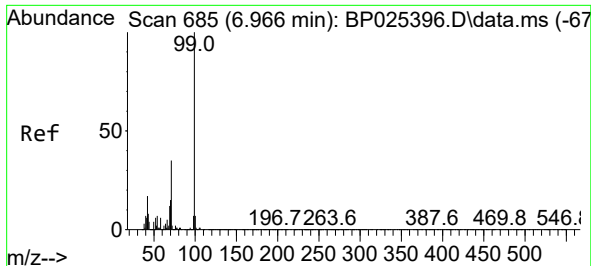
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#6
Aniline
Concen: 7.185 ng
RT: 7.102 min Scan# 708
Delta R.T. -0.023 min
Lab File: BP025673.D
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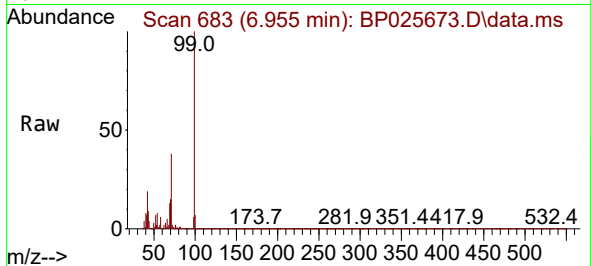
Tgt Ion: 93 Resp: 111560
Ion Ratio Lower Upper
93 100
66 40.3 30.4 45.6
65 20.7 15.3 22.9





#7
Phenol-d6
Concen: 118.060 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

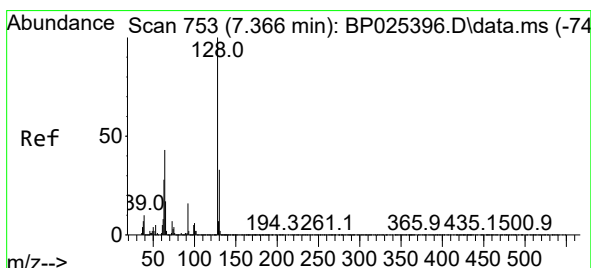
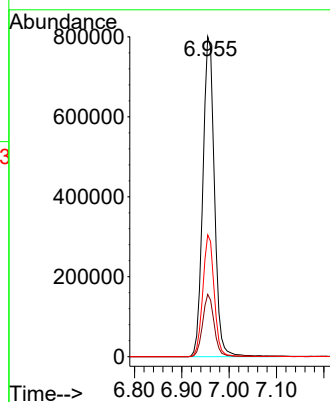
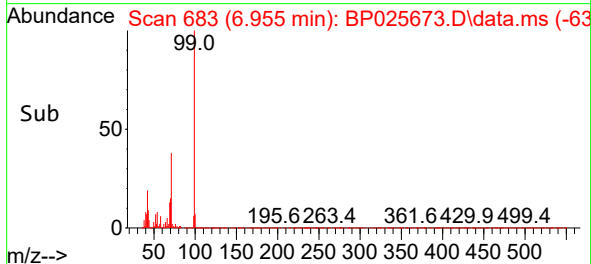
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Tgt Ion: 99 Resp: 136045
Ion Ratio Lower Upper
99 100
42 19.5 13.7 20.5
71 38.1 28.2 42.4

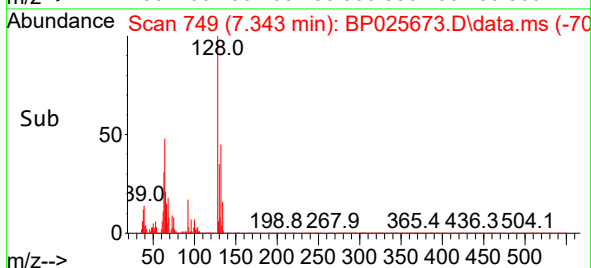
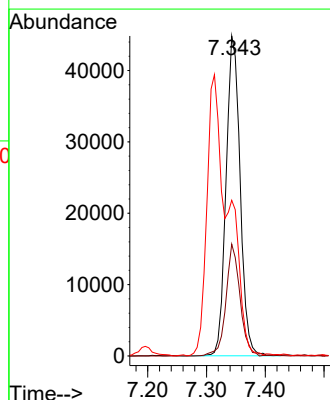
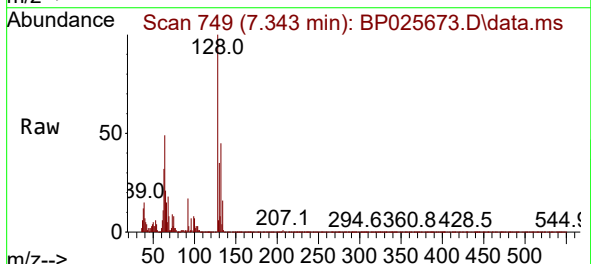
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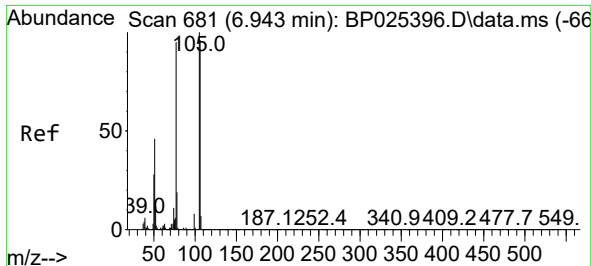
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Supervised By :Jagrut Upadhyay 09/05/2025



#8
2-Chlorophenol
Concen: 7.358 ng
RT: 7.343 min Scan# 749
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion:128 Resp: 74634
Ion Ratio Lower Upper
128 100
130 34.9 12.6 52.6
64 48.7 23.4 63.4





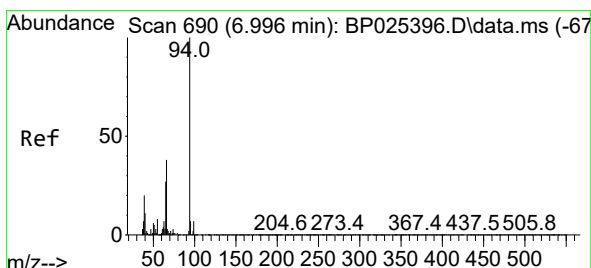
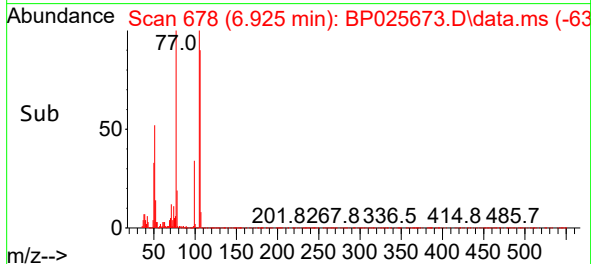
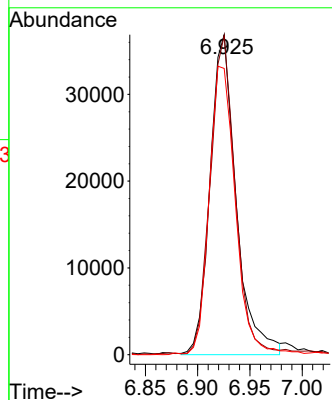
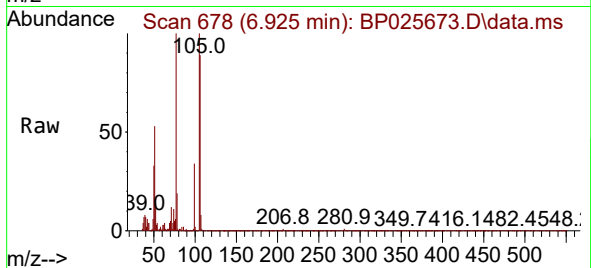
#9
Benzaldehyde
Concen: 7.918 ng m
RT: 6.925 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 77 Resp: 6392
Ion Ratio Lower Upper
77 100
105 99.7 84.8 124.8
106 89.4 80.5 120.5

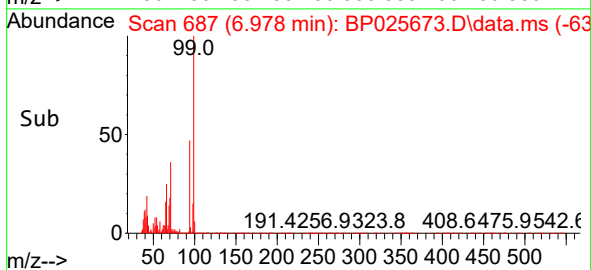
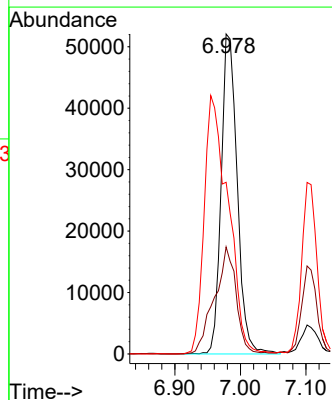
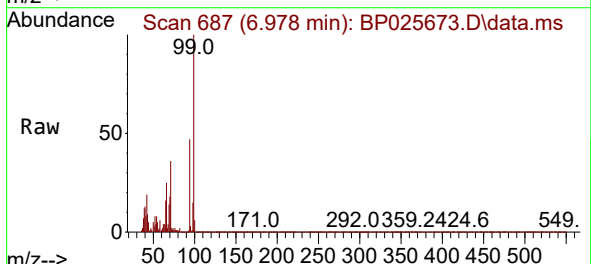
Manual Integrations
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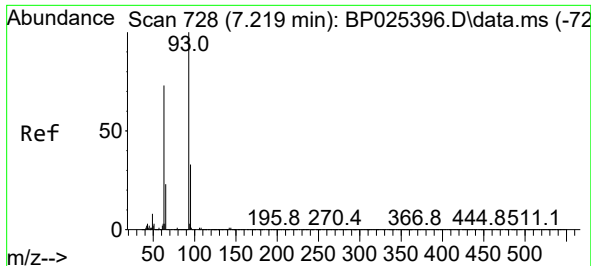
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#10
Phenol
Concen: 7.289 ng
RT: 6.978 min Scan# 687
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

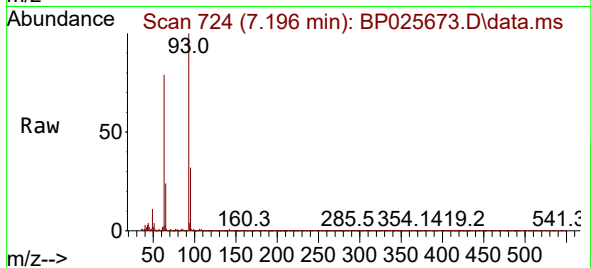
Tgt Ion: 94 Resp: 88138
Ion Ratio Lower Upper
94 100
65 33.5 6.8 46.8
66 53.6 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 7.261 ng
RT: 7.196 min Scan# 71
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

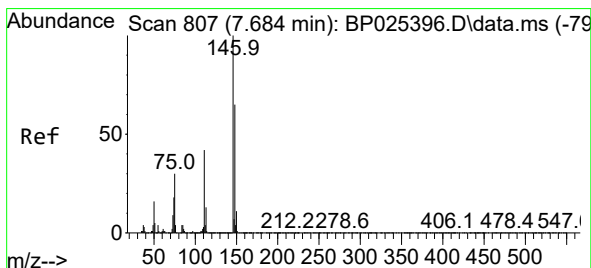
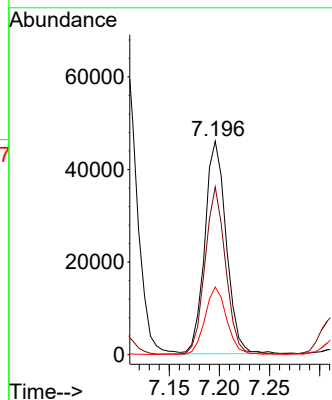
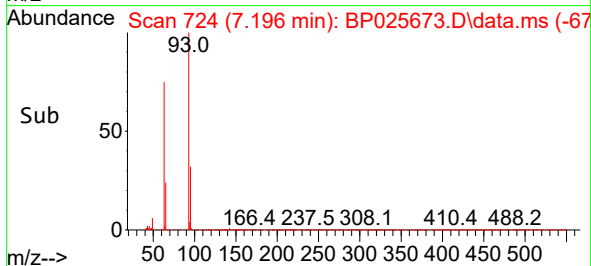
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



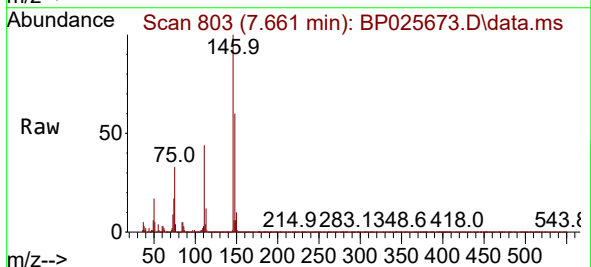
Tgt Ion: 93 Resp: 6843
Ion Ratio Lower Upper
93 100
63 78.5 52.6 92.6
95 31.7 12.7 52.7

Manual Integrations
APPROVED

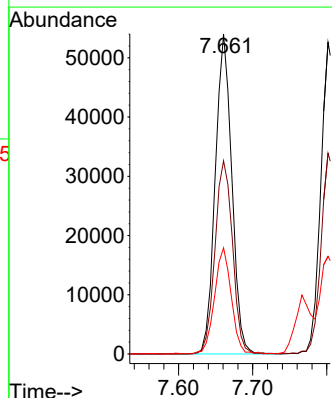
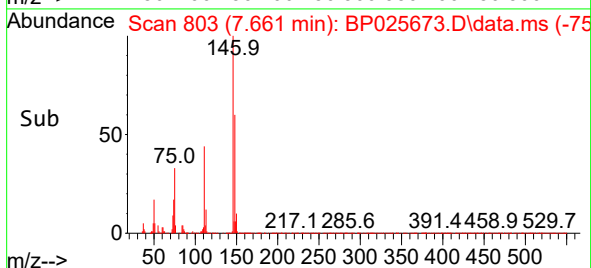
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

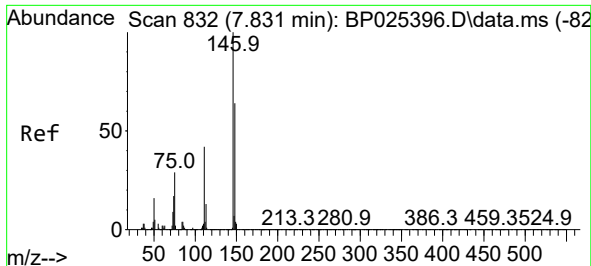


#12
1,3-Dichlorobenzene
Concen: 7.489 ng
RT: 7.661 min Scan# 803
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



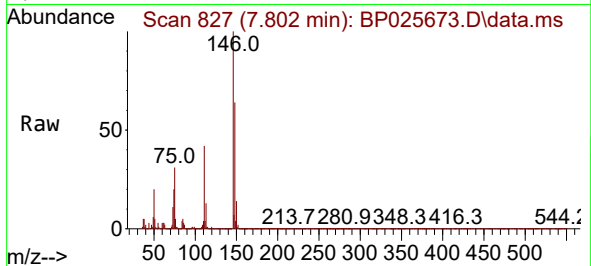
Tgt Ion:146 Resp: 83754
Ion Ratio Lower Upper
146 100
148 60.3 51.9 77.9
75 33.2 23.7 35.5





#13
1,4-Dichlorobenzene
Concen: 7.248 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

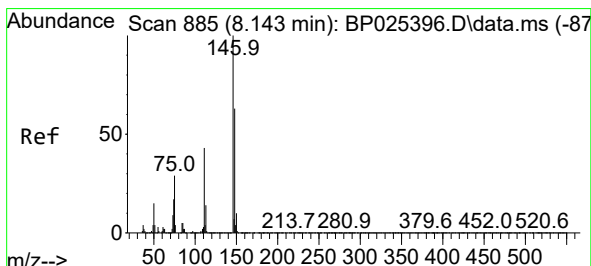
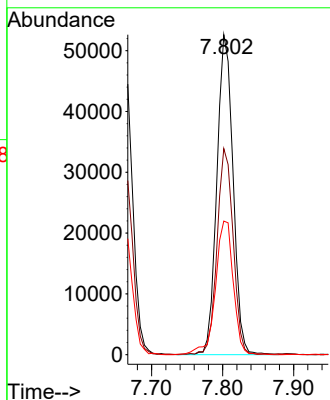
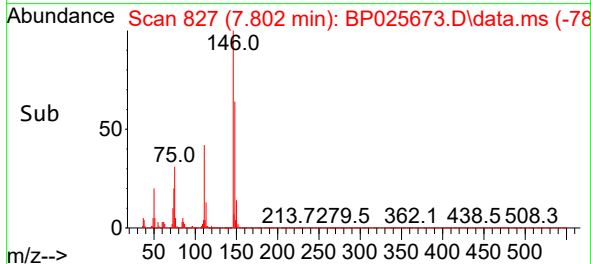
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:146 Resp: 8285
Ion Ratio Lower Upper
146 100
148 64.4 51.6 77.4
111 41.7 33.4 50.0

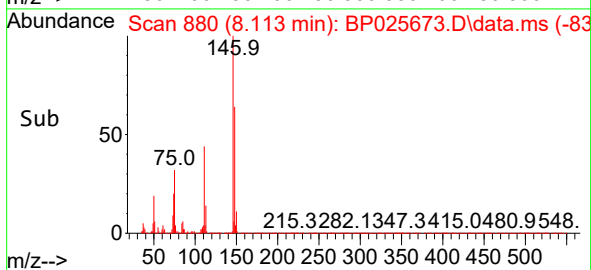
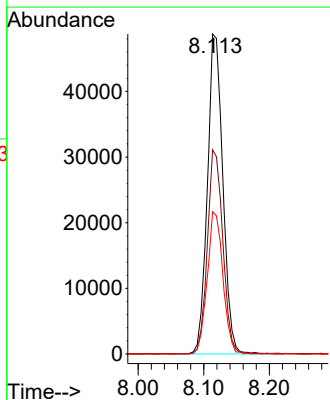
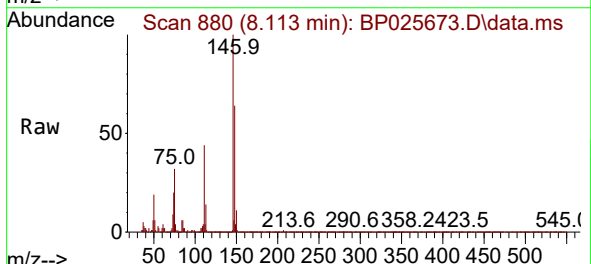
Manual Integrations
APPROVED

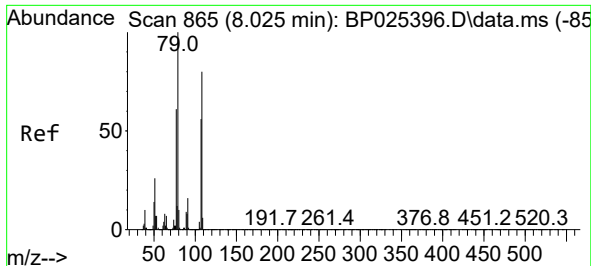
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#14
1,2-Dichlorobenzene
Concen: 7.226 ng
RT: 8.113 min Scan# 880
Delta R.T. -0.029 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

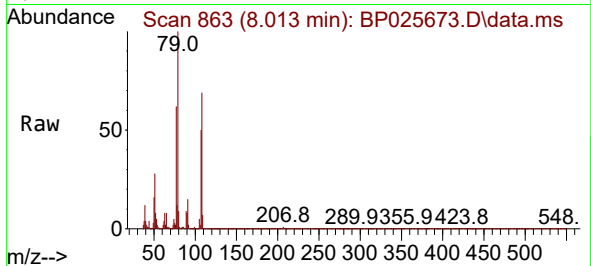
Tgt Ion:146 Resp: 79963
Ion Ratio Lower Upper
146 100
148 63.8 50.4 75.6
111 44.4 34.5 51.7





#15
Benzyl Alcohol
Concen: 7.184 ng
RT: 8.013 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

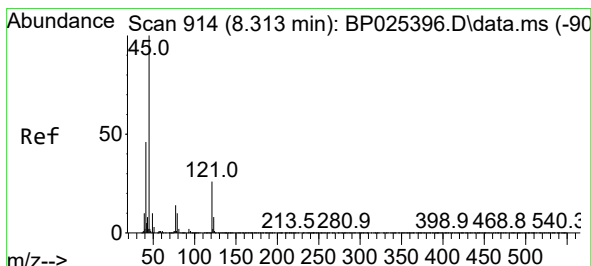
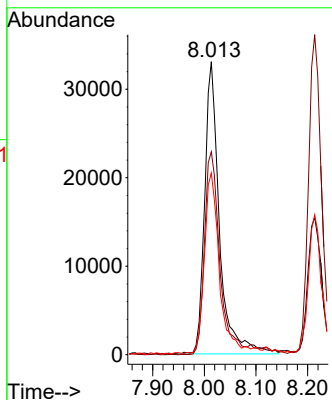
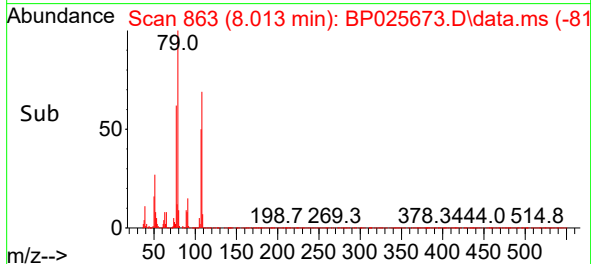
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



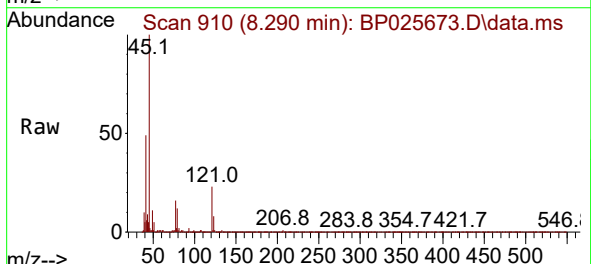
Tgt Ion: 79 Resp: 65780
Ion Ratio Lower Upper
79 100
108 69.3 63.8 95.6
77 62.0 49.0 73.4

Manual Integrations
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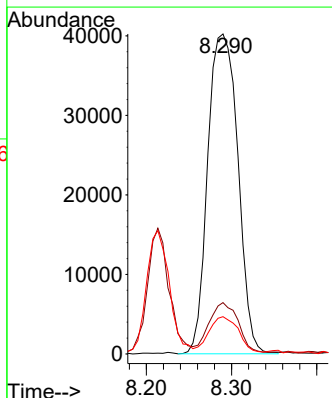
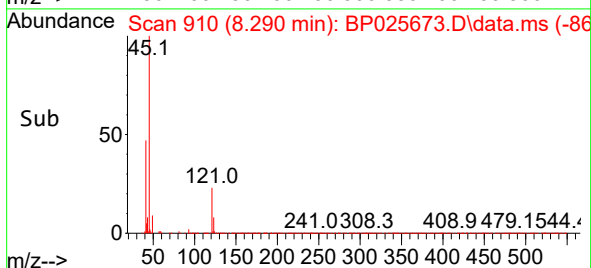
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

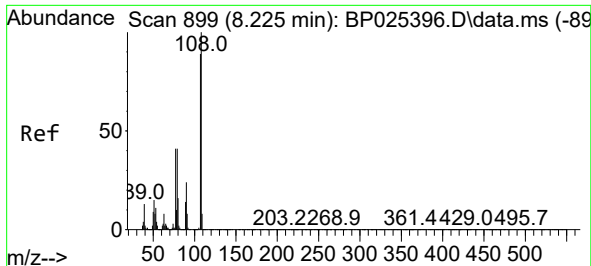


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.842 ng
RT: 8.290 min Scan# 910
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



Tgt Ion: 45 Resp: 99005
Ion Ratio Lower Upper
45 100
77 16.1 0.0 35.3
79 11.7 0.0 31.8





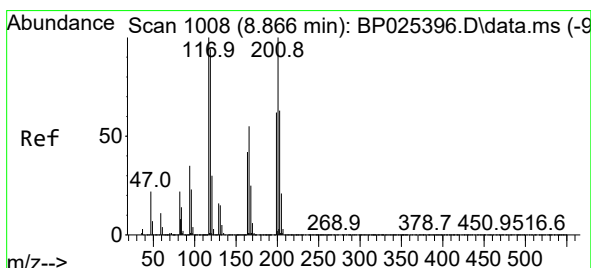
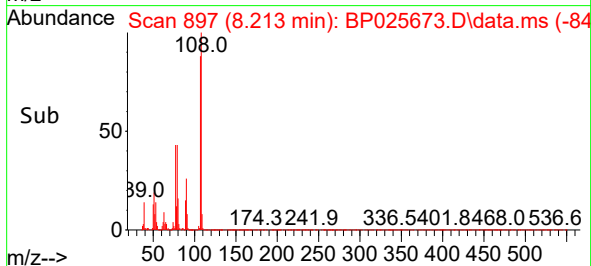
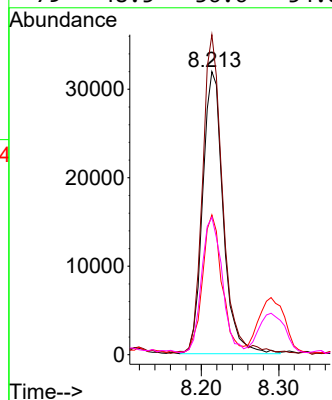
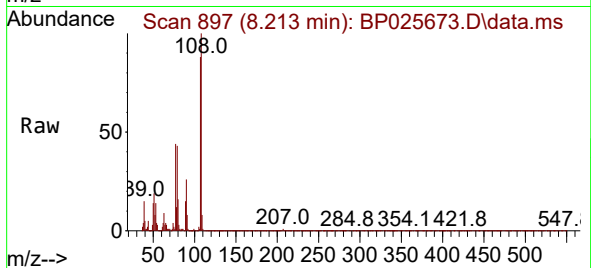
#17
2-Methylphenol
Concen: 6.978 ng
RT: 8.213 min Scan# 897
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2025

Tgt Ion:	107	Resp:	58600
Ion Ratio	Lower	Upper	
107	100		
108	113.1	89.4	134.0
77	49.4	36.3	54.5
79	48.5	36.6	54.8

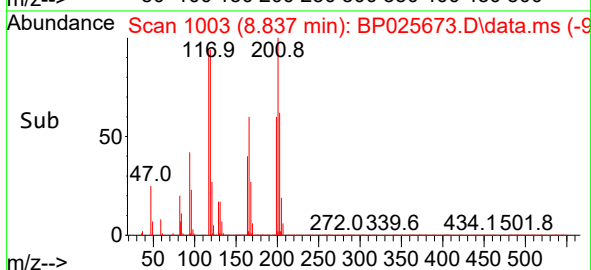
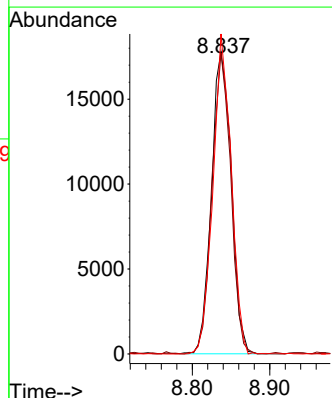
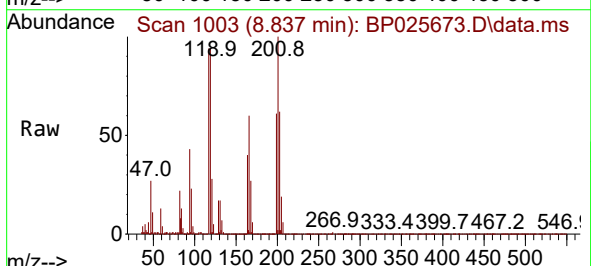
Manual Integrations
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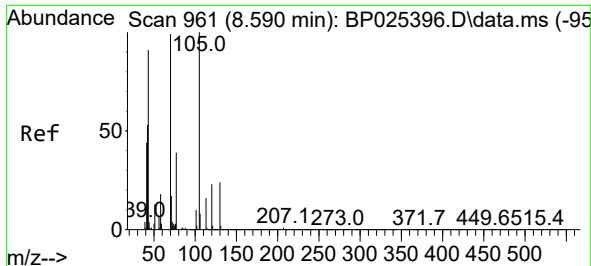
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#18
Hexachloroethane
Concen: 7.505 ng
RT: 8.837 min Scan# 1003
Delta R.T. -0.029 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

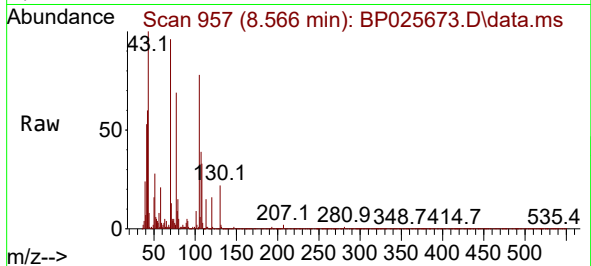
Tgt Ion:	117	Resp:	31545
Ion Ratio	Lower	Upper	
117	100		
119	99.6	75.1	112.7
201	105.9	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 7.496 ng
RT: 8.566 min Scan# 91
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

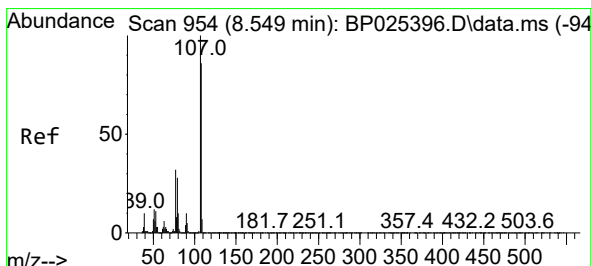
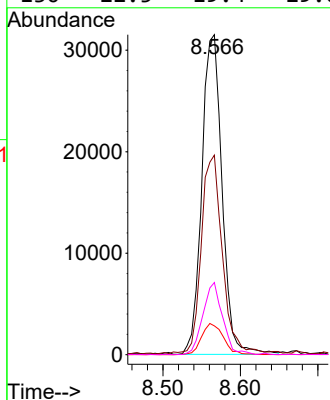
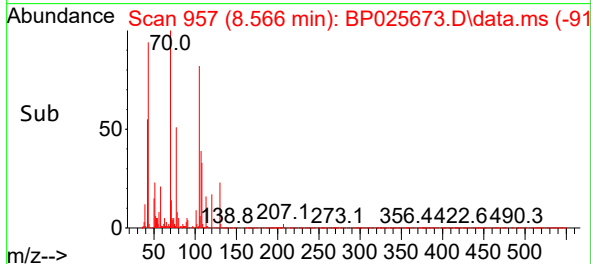
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



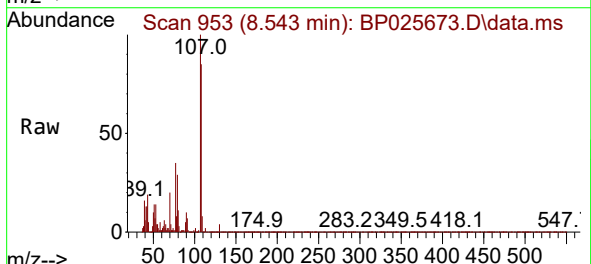
Tgt Ion: 70 Resp: 5721
Ion Ratio Lower Upper
70 100
42 62.4 43.8 65.6
101 9.0 8.5 12.7
130 22.5 19.4 29.0

Manual Integrations
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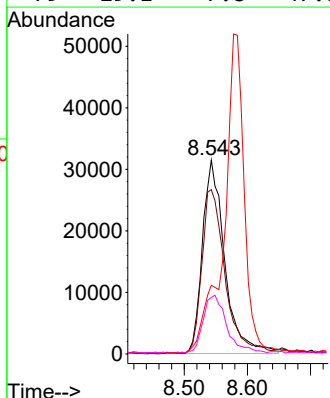
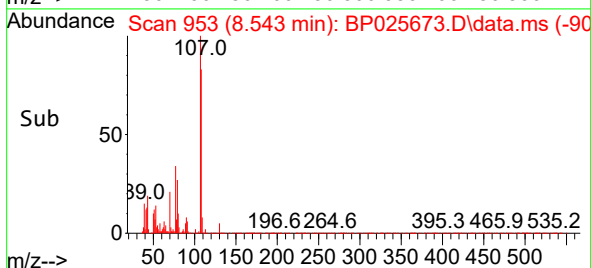
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

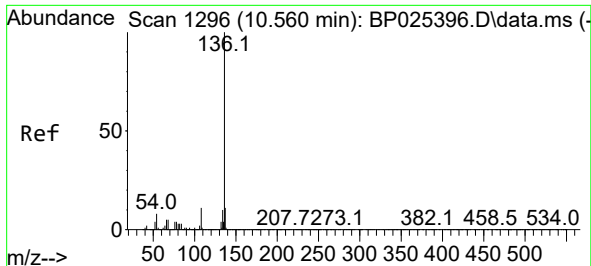


#20
3+4-Methylphenols
Concen: 6.604 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



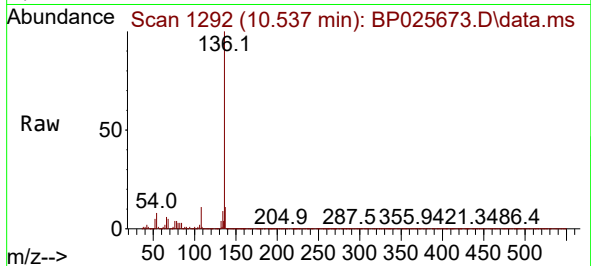
Tgt Ion:107 Resp: 76872
Ion Ratio Lower Upper
107 100
108 84.8 66.3 106.3
77 35.5 12.3 52.3
79 29.1 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

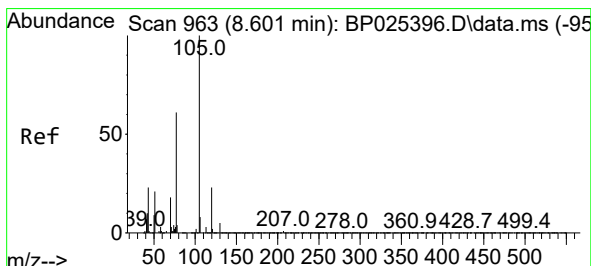
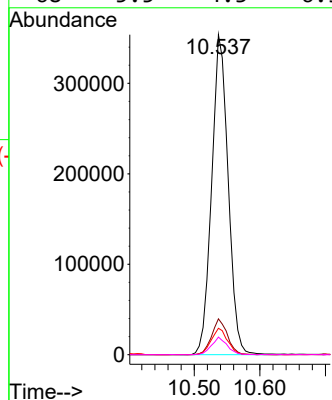
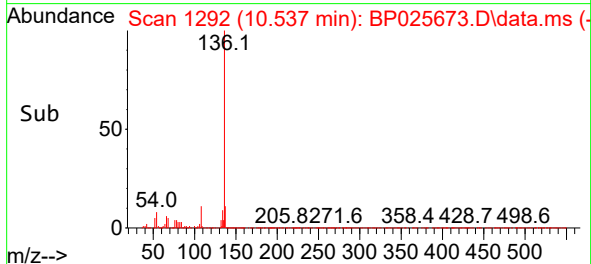
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:136 Resp: 61805
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.2 6.0 9.0
68 5.5 4.3 6.5

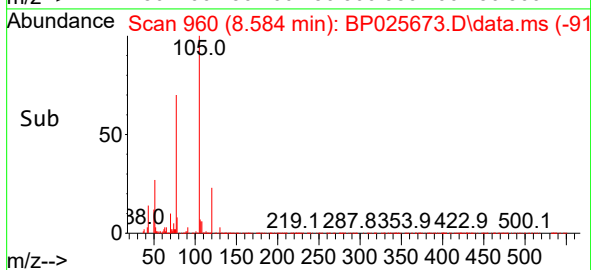
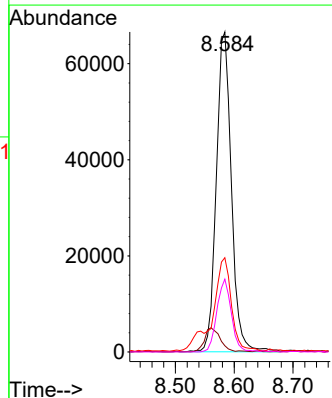
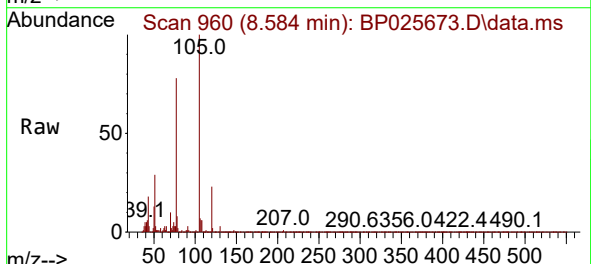
Manual Integrations
APPROVED

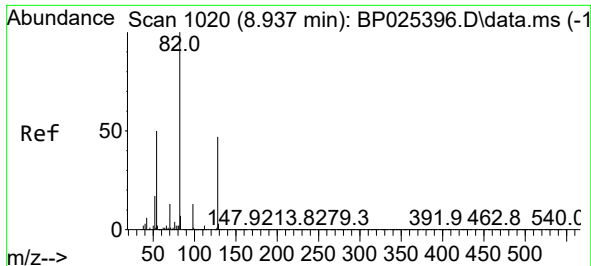
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#22
Acetophenone
Concen: 7.666 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

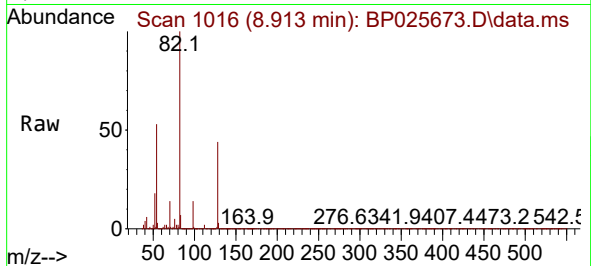
Tgt Ion:105 Resp: 118818
Ion Ratio Lower Upper
105 100
71 1.9 2.6 4.0#
51 29.4 20.6 30.8
120 22.8 18.6 27.8





#23
Nitrobenzene-d5
Concen: 77.795 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

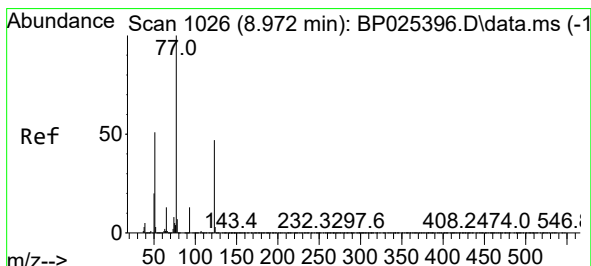
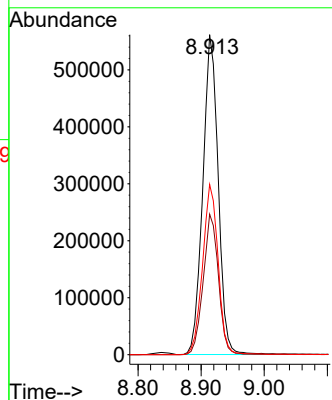
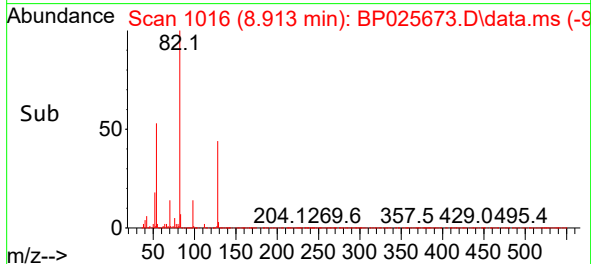
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 82 Resp: 950504
Ion Ratio Lower Upper
82 100
128 43.9 37.7 56.5
54 53.2 39.8 59.6

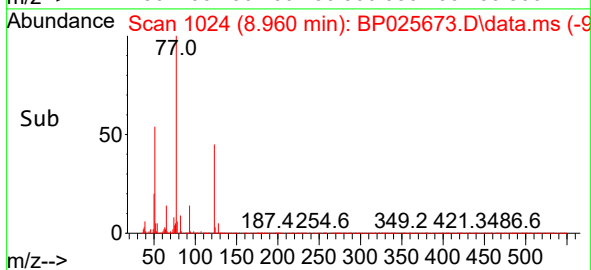
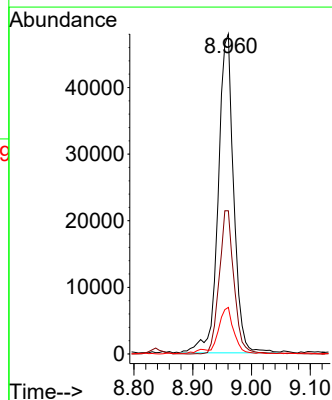
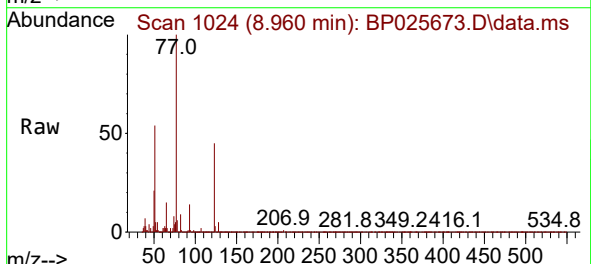
Manual Integrations
APPROVED

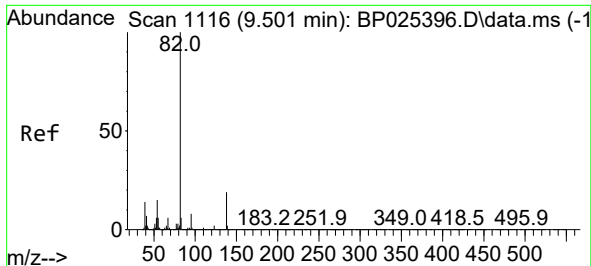
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#24
Nitrobenzene
Concen: 8.015 ng
RT: 8.960 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

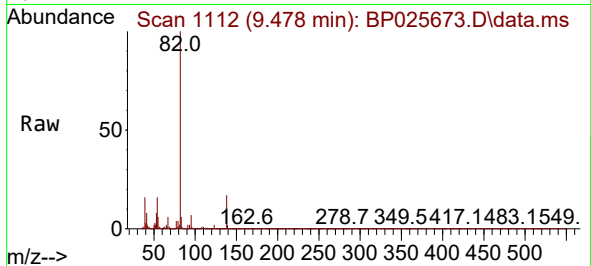
Tgt Ion: 77 Resp: 87520
Ion Ratio Lower Upper
77 100
123 44.8 38.6 58.0
65 14.6 10.6 15.8





#25
Isophorone
Concen: 7.379 ng
RT: 9.478 min Scan# 1116
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

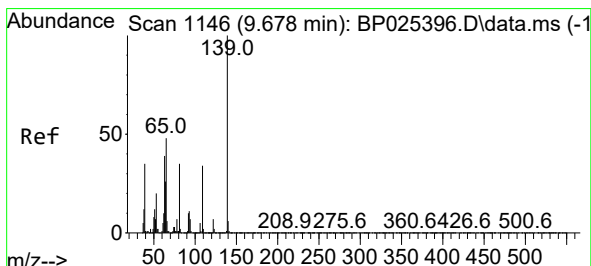
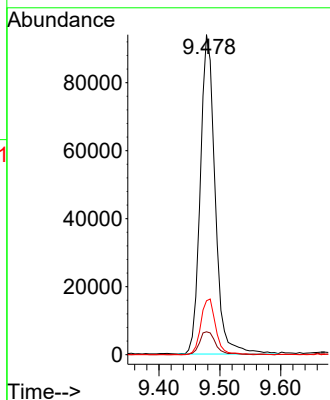
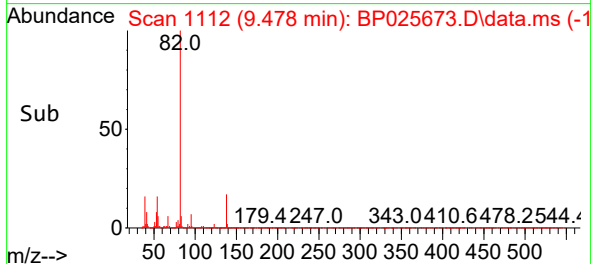
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 82 Resp: 159562
Ion Ratio Lower Upper
82 100
95 7.2 6.4 9.6
138 16.9 15.4 23.0

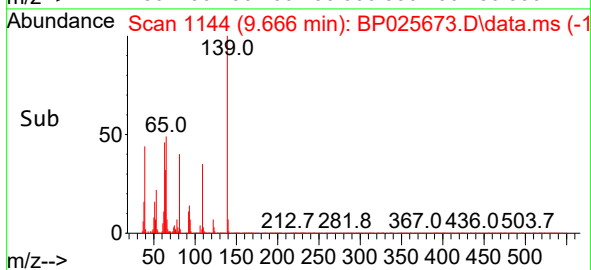
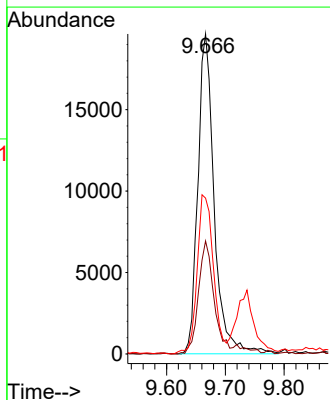
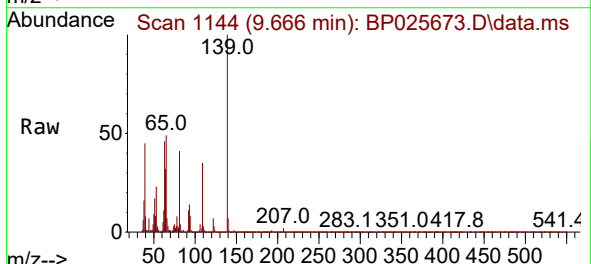
Manual Integrations
APPROVED

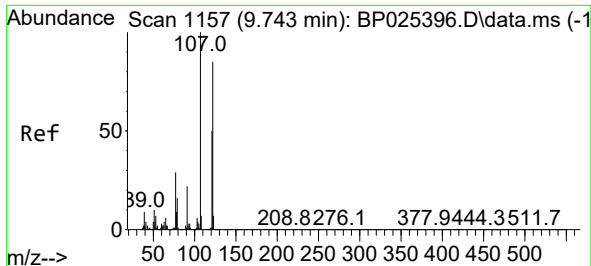
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#26
2-Nitrophenol
Concen: 6.760 ng
RT: 9.666 min Scan# 1144
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion:139 Resp: 37884
Ion Ratio Lower Upper
139 100
109 35.3 26.9 40.3
65 48.7 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 6.652 ng

RT: 9.731 min Scan# 1157

Delta R.T. -0.012 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

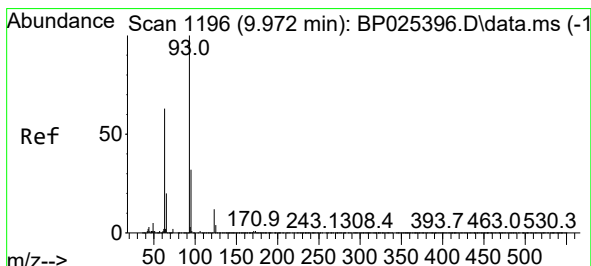
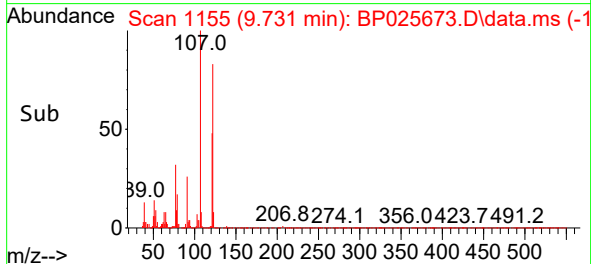
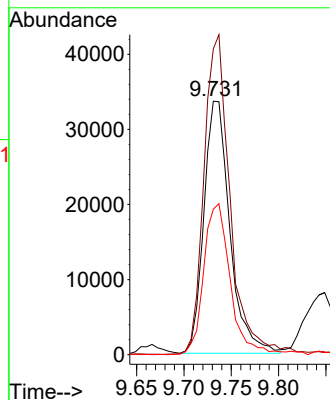
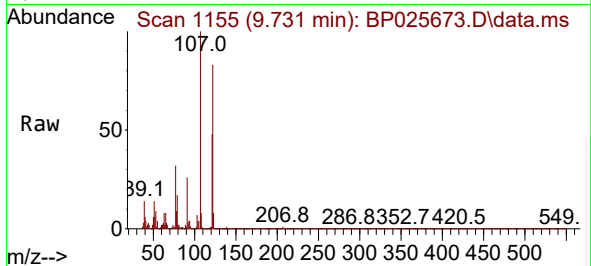
Tgt Ion:122 Resp: 64109
 Ion Ratio Lower Upper
 122 100
 107 120.6 93.7 140.5
 121 57.4 46.6 69.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 7.225 ng

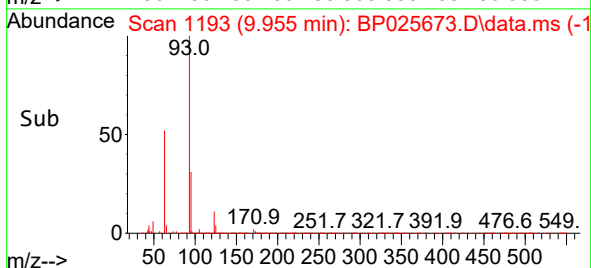
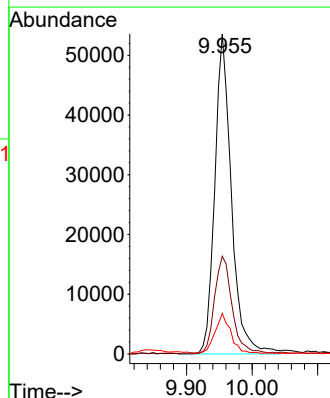
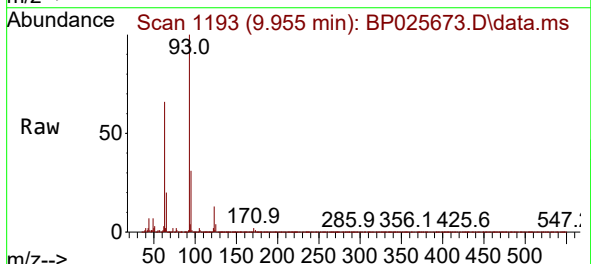
RT: 9.955 min Scan# 1193

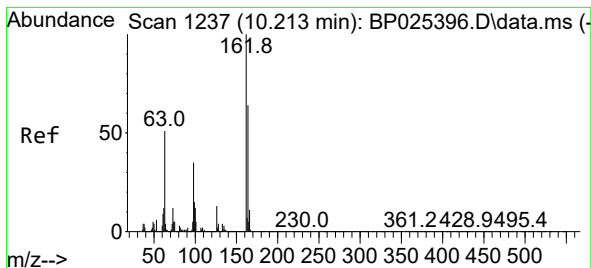
Delta R.T. -0.017 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

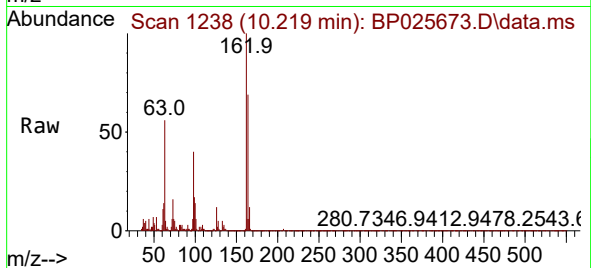
Tgt Ion: 93 Resp: 94431
 Ion Ratio Lower Upper
 93 100
 95 30.5 25.4 38.0
 123 12.7 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 6.344 ng
RT: 10.219 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

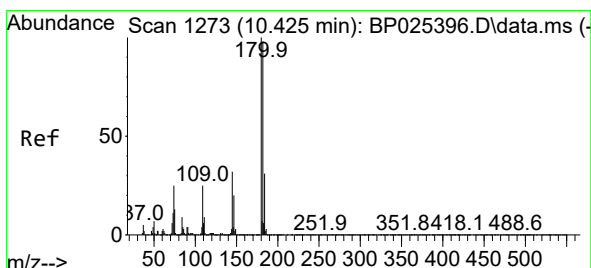
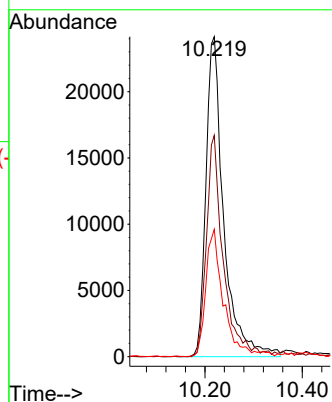
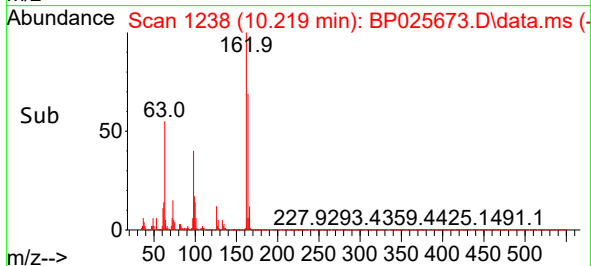
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



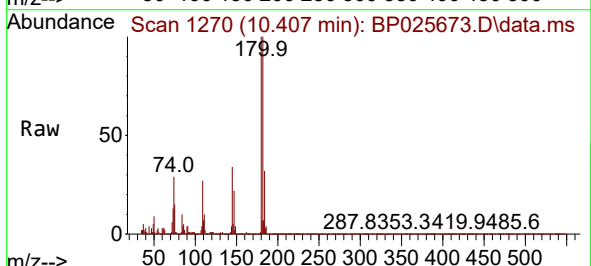
Tgt Ion:162 Resp: 60734
Ion Ratio Lower Upper
162 100
164 69.2 44.4 84.4
98 39.8 14.9 54.9

Manual Integrations
APPROVED

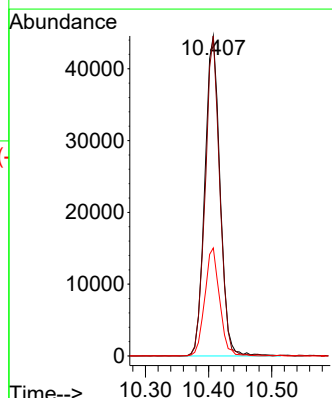
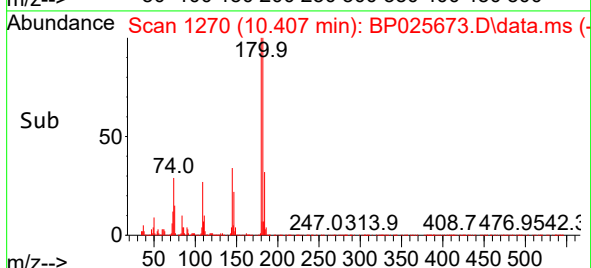
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

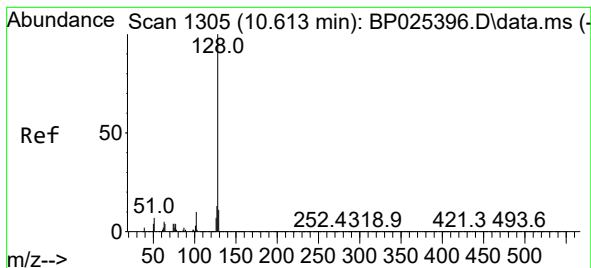


#30
1,2,4-Trichlorobenzene
Concen: 7.100 ng
RT: 10.407 min Scan# 1270
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



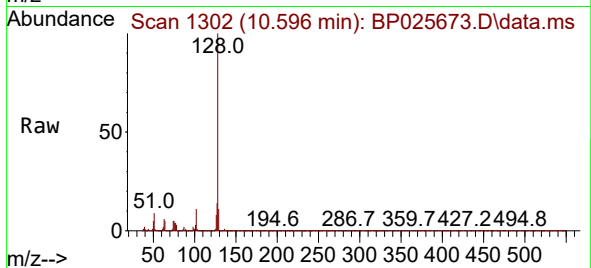
Tgt Ion:180 Resp: 74508
Ion Ratio Lower Upper
180 100
182 99.9 78.0 117.0
145 33.8 25.9 38.9





#31
Naphthalene
Concen: 7.364 ng
RT: 10.596 min Scan# 1175
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

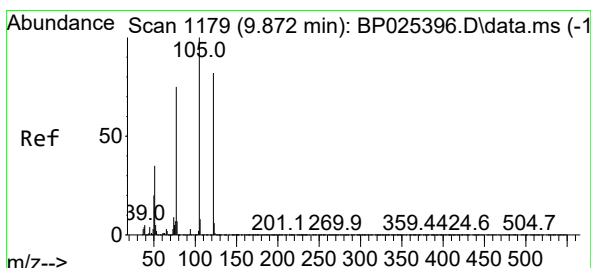
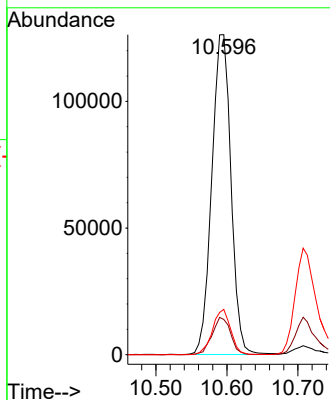
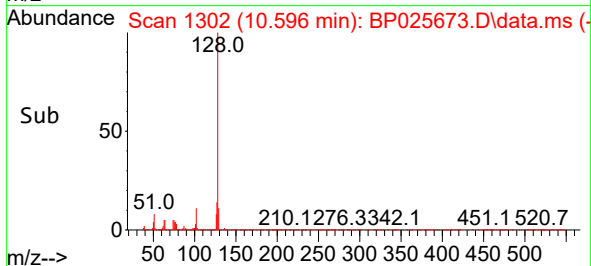
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:128 Resp: 236558
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 14.2 10.7 16.1

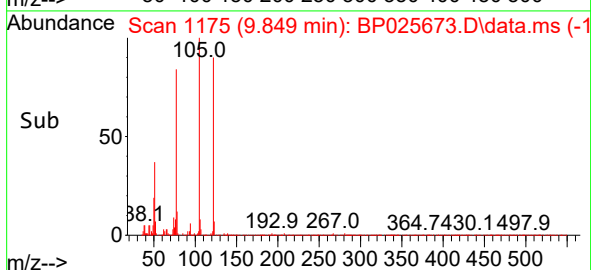
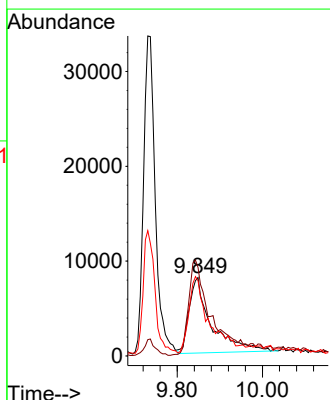
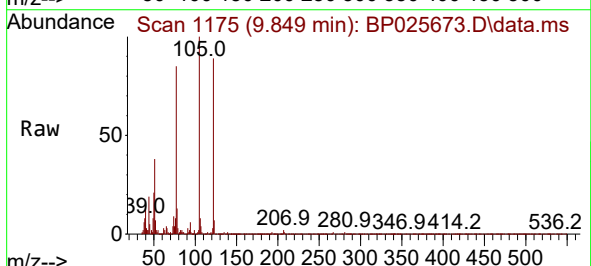
Manual Integrations
APPROVED

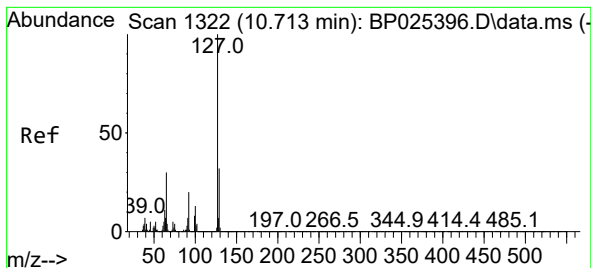
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#32
Benzoic acid
Concen: 4.069 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion:122 Resp: 28950
Ion Ratio Lower Upper
122 100
105 112.7 100.6 140.6
77 95.7 71.5 111.5





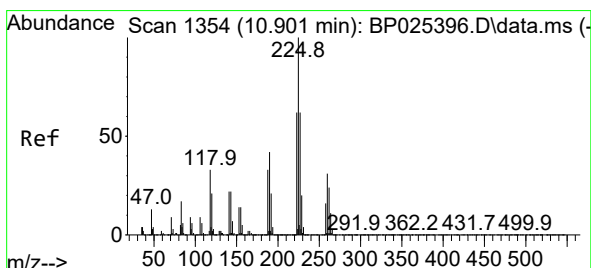
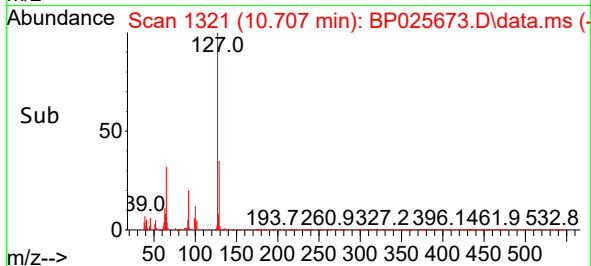
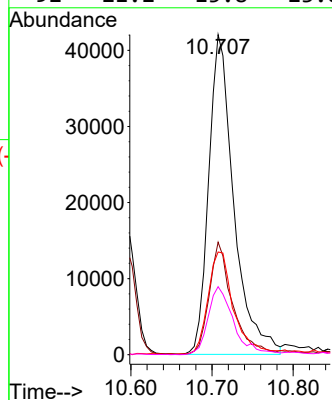
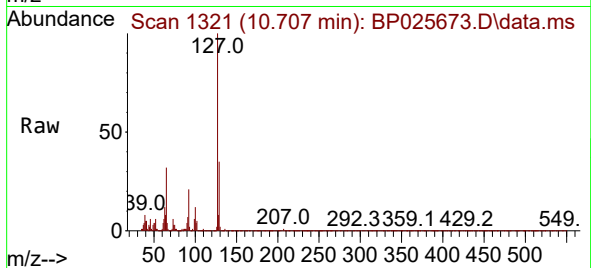
#33
4-Chloroaniline
Concen: 6.358 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.1	25.4	38.2
65	32.1	23.8	35.6
92	21.2	15.8	23.8

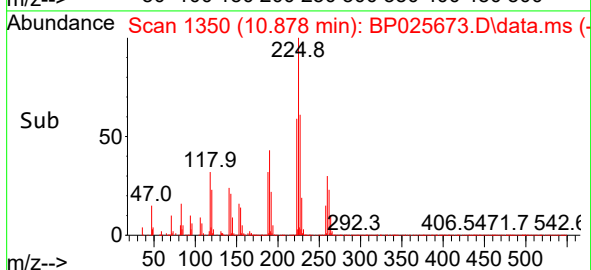
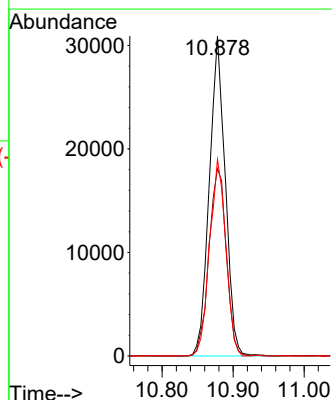
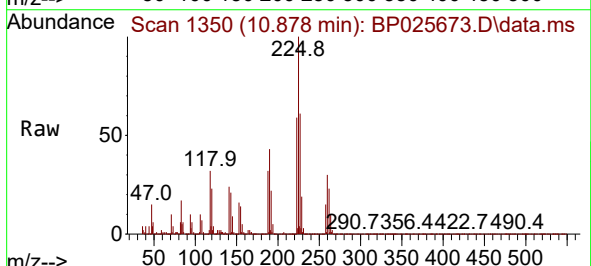
Manual Integrations
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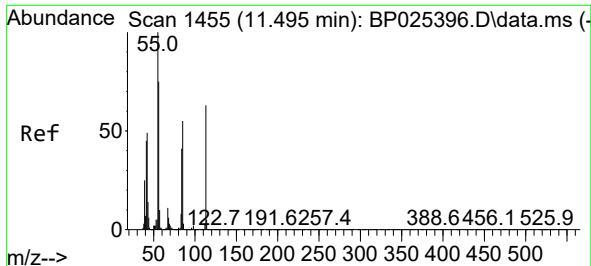
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#34
Hexachlorobutadiene
Concen: 7.372 ng
RT: 10.878 min Scan# 1350
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

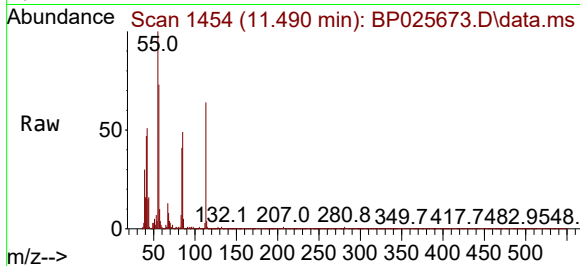
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	50.0	75.0
227	61.4	49.7	74.5





#35
Caprolactam
Concen: 6.169 ng
RT: 11.490 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

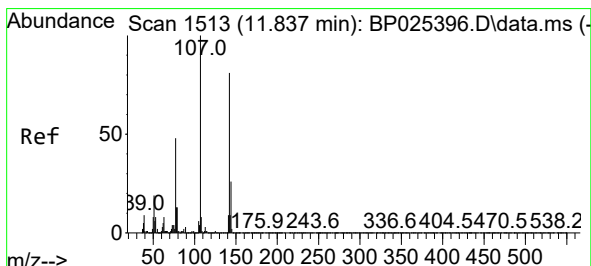
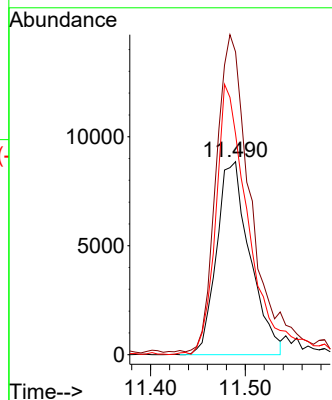
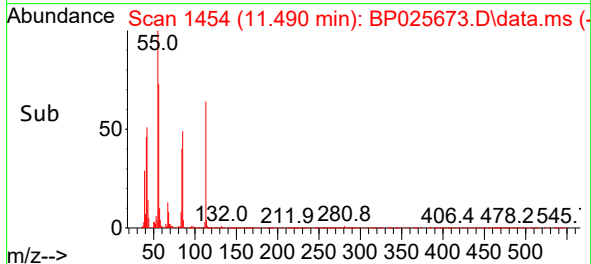
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:113 Resp: 2165
Ion Ratio Lower Upper
113 100
55 156.9 140.0 180.0
56 114.4 100.0 140.0

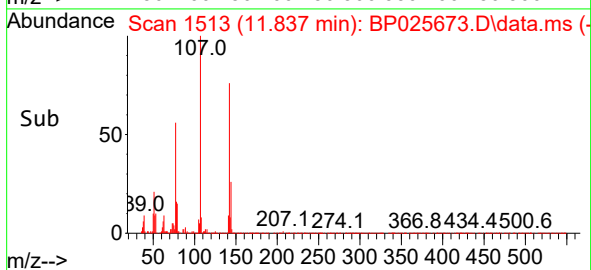
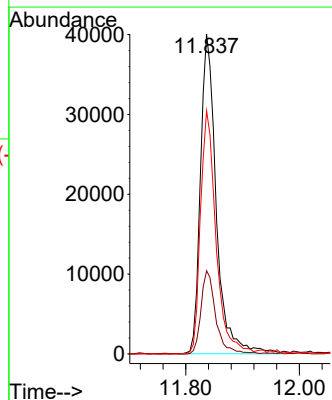
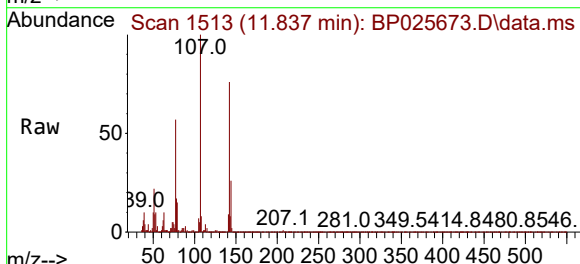
Manual Integrations
APPROVED

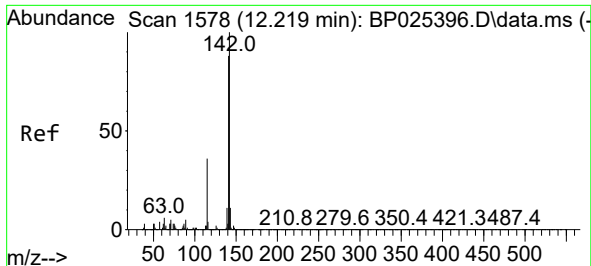
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#36
4-Chloro-3-methylphenol
Concen: 7.070 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

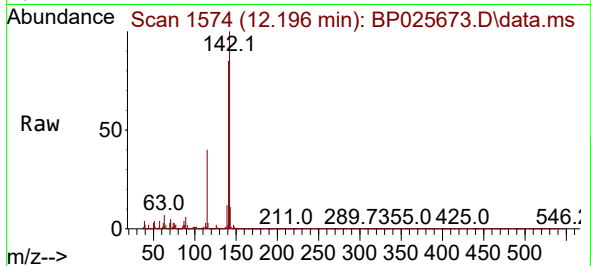
Tgt Ion:107 Resp: 77661
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.4
142 76.0 64.6 97.0





#37
2-Methylnaphthalene
Concen: 7.165 ng
RT: 12.196 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

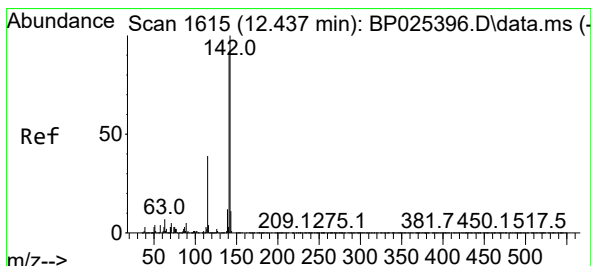
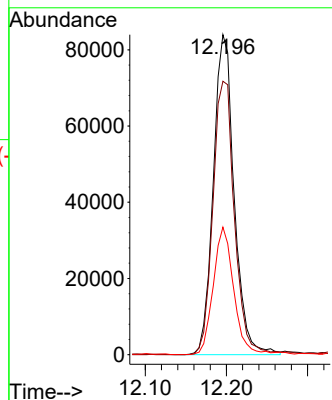
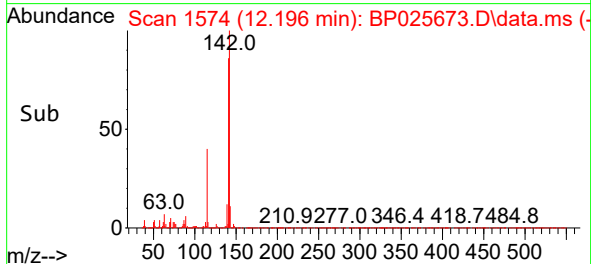
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



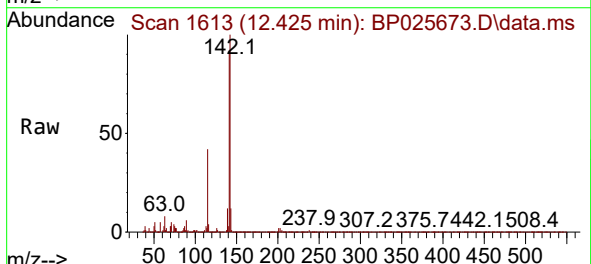
Tgt Ion:142 Resp: 149794
Ion Ratio Lower Upper
142 100
141 85.5 70.3 105.5
115 39.9 28.9 43.3

Manual Integrations
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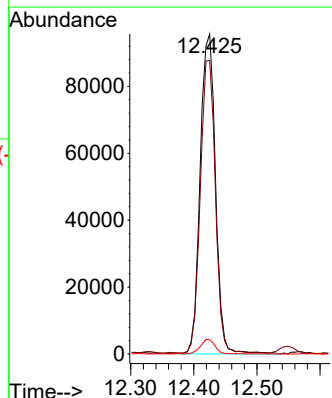
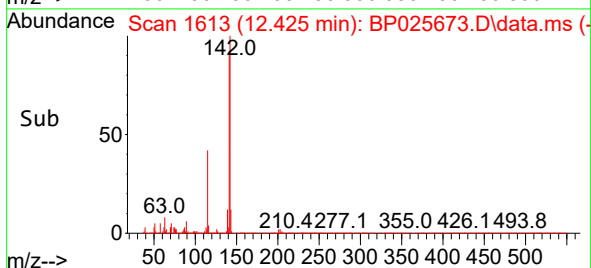
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

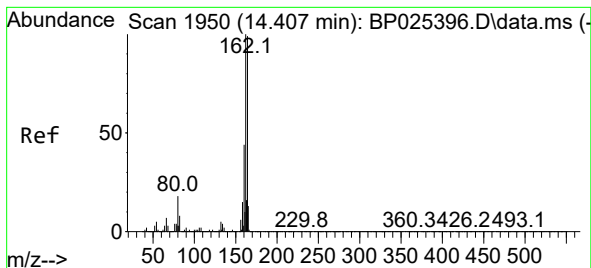


#38
1-Methylnaphthalene
Concen: 7.258 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



Tgt Ion:142 Resp: 161350
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1950

Delta R.T. -0.012 min

Lab File: BP025673.D

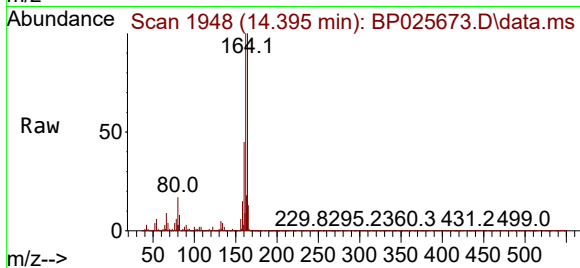
Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:164 Resp: 41685

Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.6

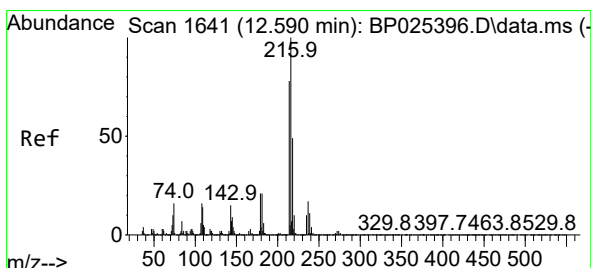
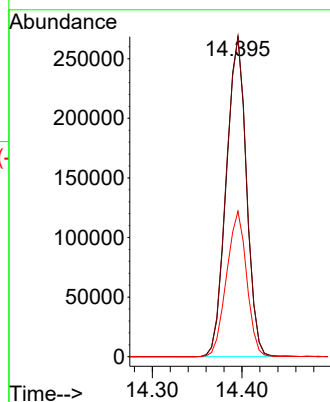
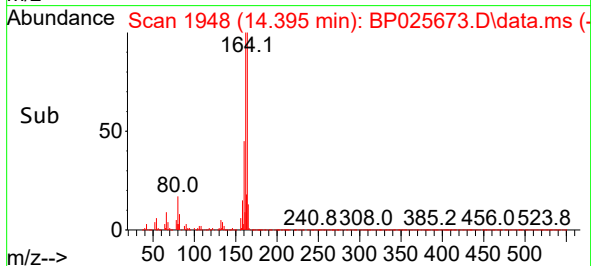
160 45.5 35.4 53.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.454 ng

RT: 12.572 min Scan# 1638

Delta R.T. -0.017 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:216 Resp: 89744

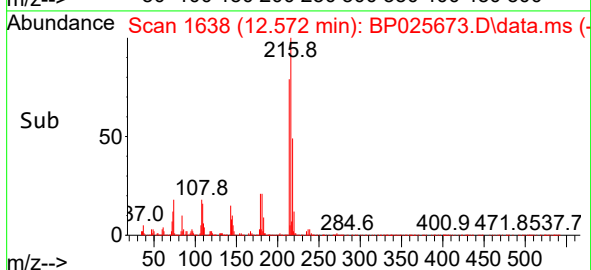
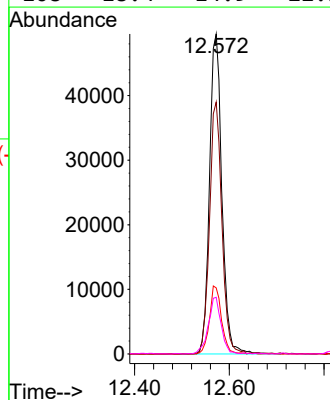
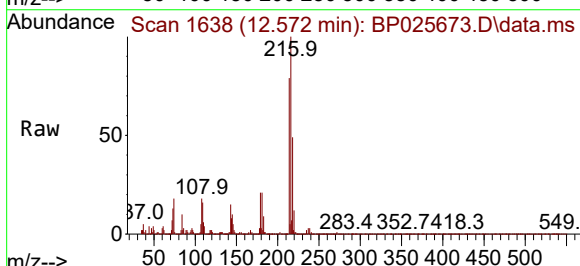
Ion Ratio Lower Upper

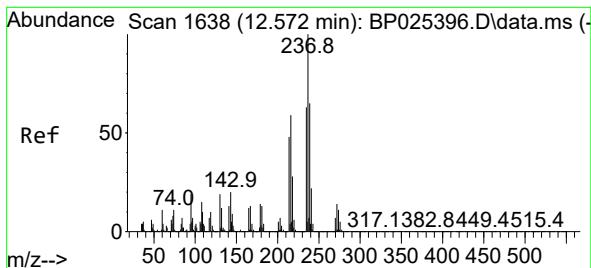
216 100

214 78.6 63.0 94.4

179 20.9 17.1 25.7

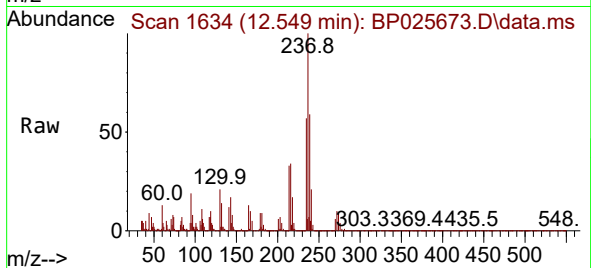
108 18.4 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 4.038 ng
RT: 12.549 min Scan# 1634
Delta R.T. -0.023 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

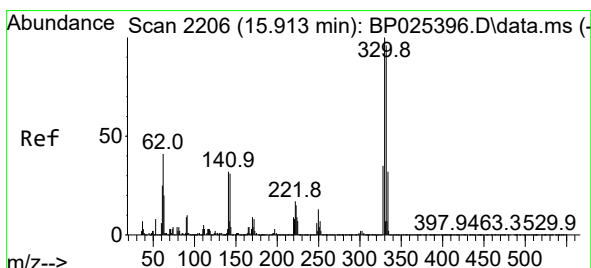
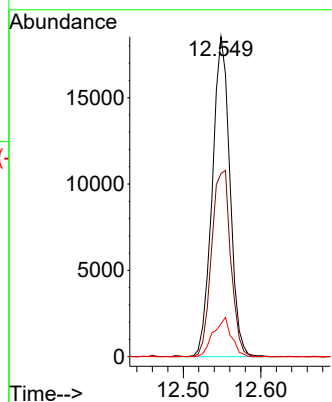
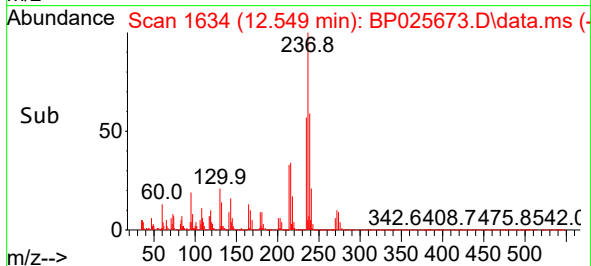
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



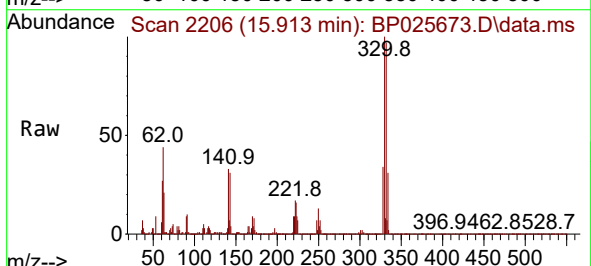
Tgt Ion: 237 Resp: 2936
Ion Ratio Lower Upper
237 100
235 57.3 42.7 82.7
272 10.3 0.0 34.0

Manual Integrations
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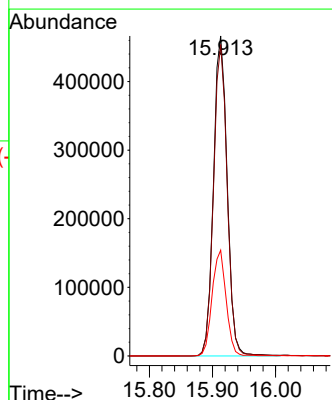
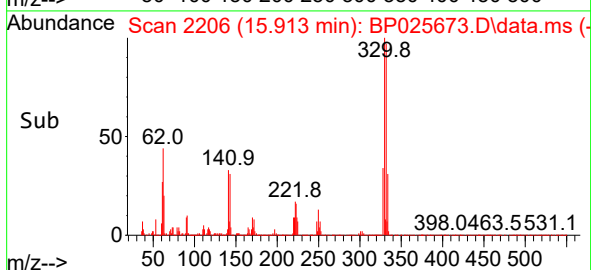
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

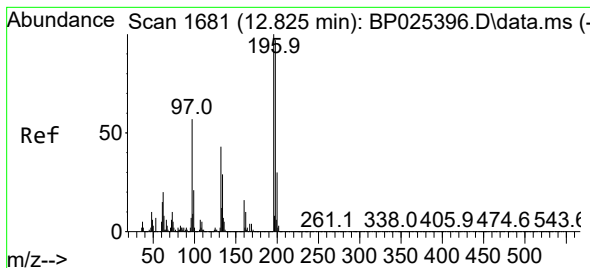


#42
2,4,6-Tribromophenol
Concen: 125.138 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



Tgt Ion: 330 Resp: 702145
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 33.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 6.613 ng

RT: 12.825 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

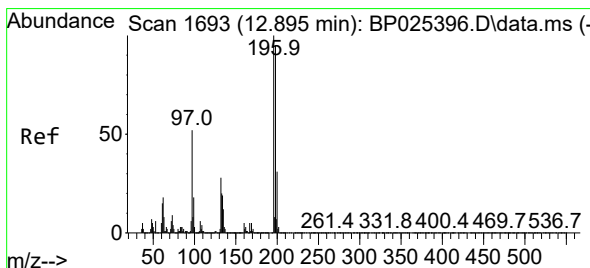
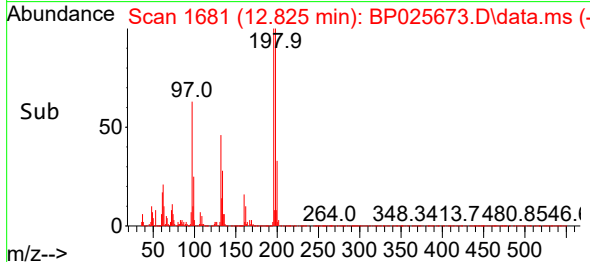
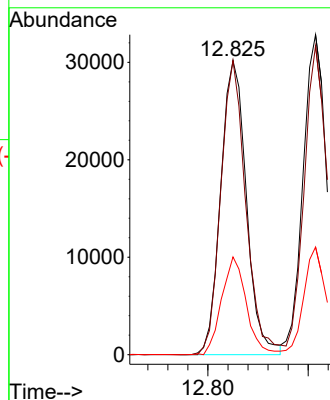
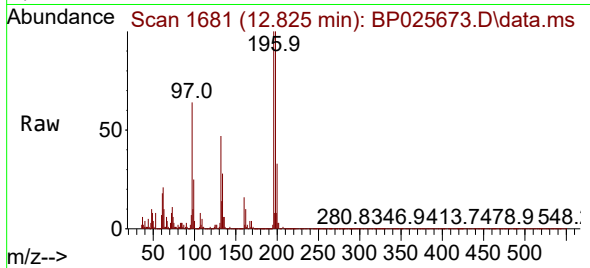
Tgt Ion:	196	Resp:	53740
Ion Ratio	Lower	Upper	
196	100		
198	100.0	77.2	115.8
200	33.2	23.9	35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#44

2,4,5-Trichlorophenol

Concen: 6.777 ng

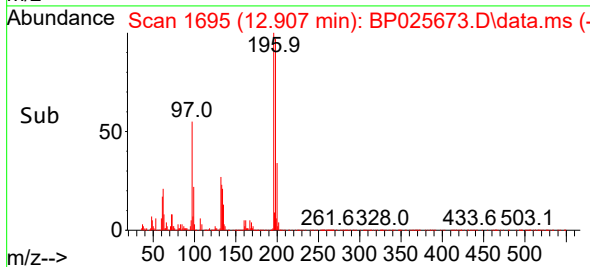
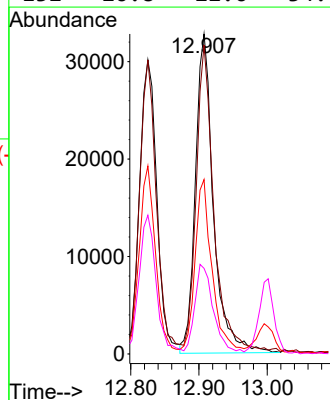
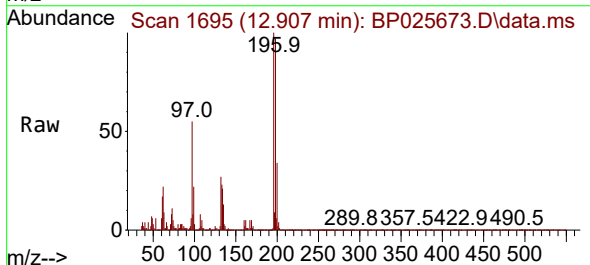
RT: 12.907 min Scan# 1695

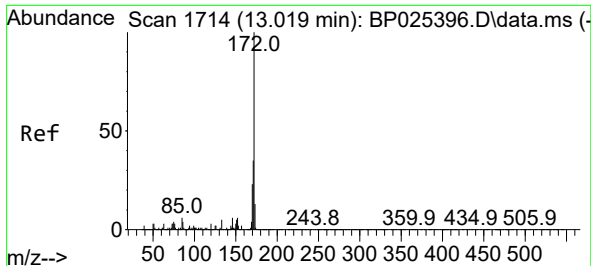
Delta R.T. 0.012 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:	196	Resp:	60368
Ion Ratio	Lower	Upper	
196	100		
198	96.5	76.2	114.2
97	54.5	41.2	61.8
132	26.8	22.6	34.0





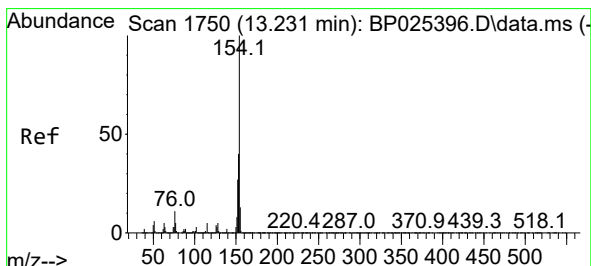
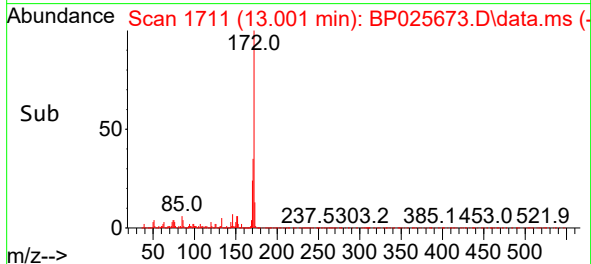
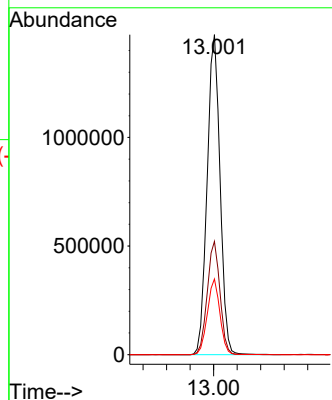
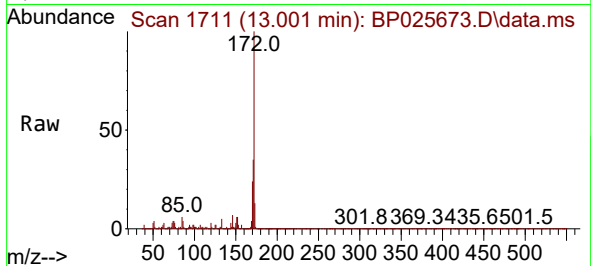
#45
2-Fluorobiphenyl
Concen: 73.607 ng
RT: 13.001 min Scan# 1714
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:172 Resp: 224513
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.6 18.6 28.0

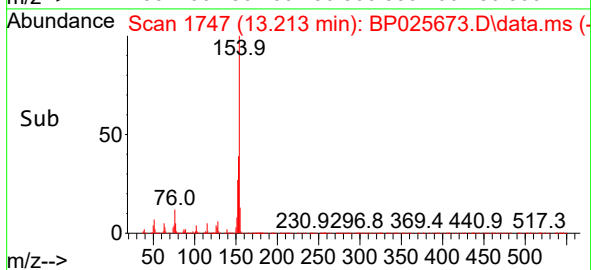
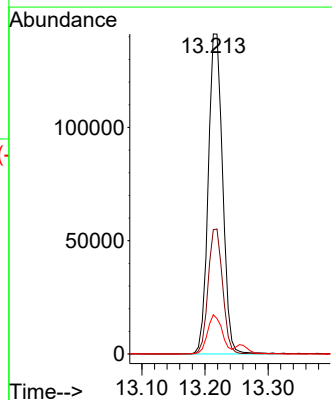
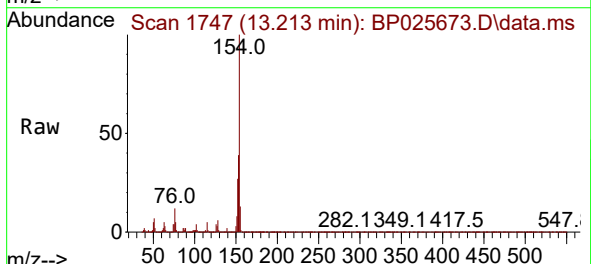
Manual Integrations
APPROVED

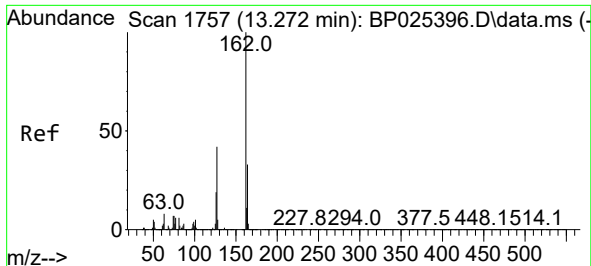
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#46
1,1'-Biphenyl
Concen: 7.387 ng
RT: 13.213 min Scan# 1747
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

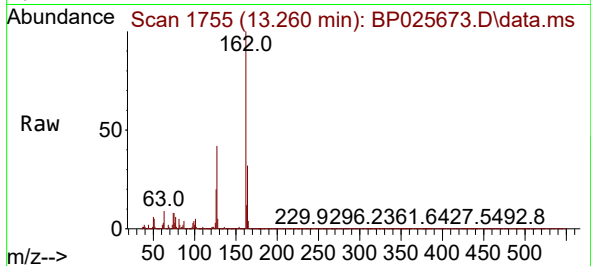
Tgt Ion:154 Resp: 223641
Ion Ratio Lower Upper
154 100
153 38.8 19.5 59.5
76 12.3 0.0 31.1





#47
2-Chloronaphthalene
Concen: 7.268 ng
RT: 13.260 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

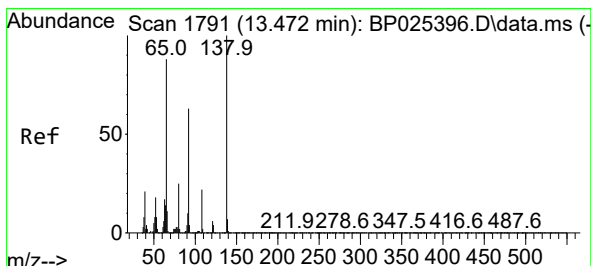
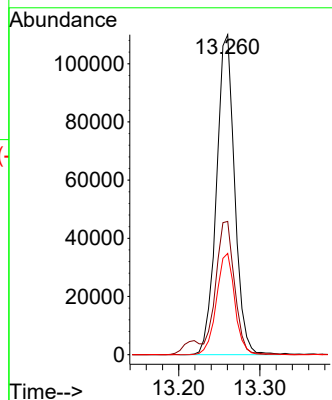
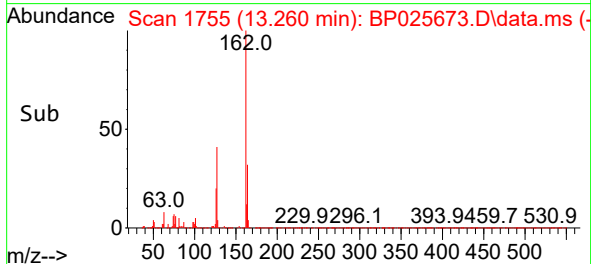
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:162 Resp: 17130
Ion Ratio Lower Upper
162 100
127 41.7 33.4 50.2
164 31.7 26.2 39.2

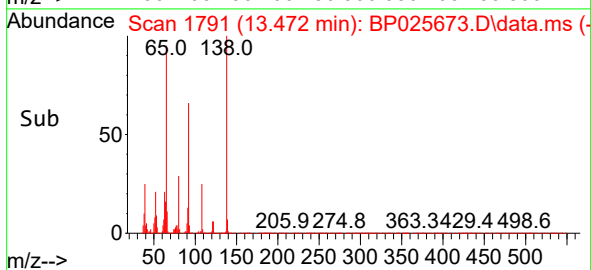
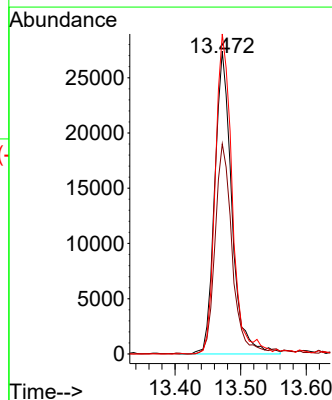
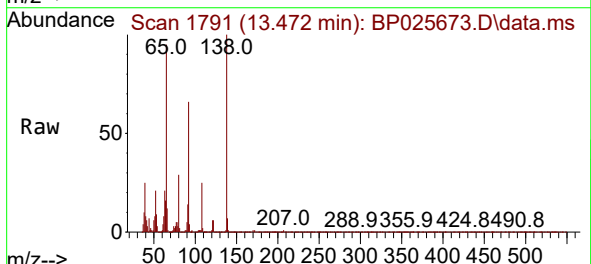
Manual Integrations
APPROVED

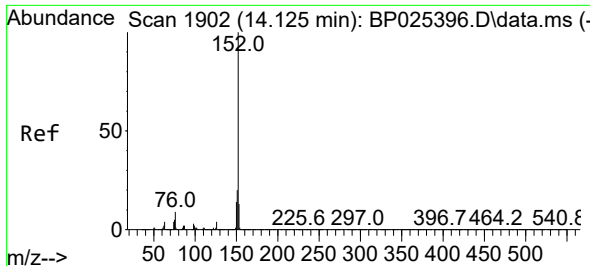
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#48
2-Nitroaniline
Concen: 7.191 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

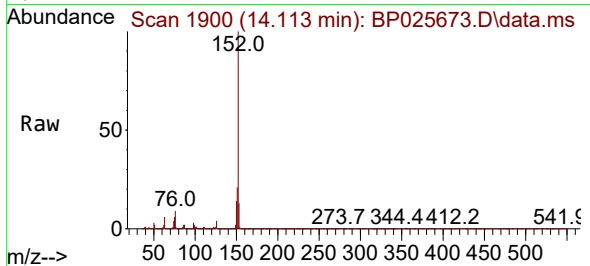
Tgt Ion: 65 Resp: 49384
Ion Ratio Lower Upper
65 100
92 69.4 57.6 86.4
138 105.7 91.0 136.6





#49
Acenaphthylene
Concen: 7.267 ng
RT: 14.113 min Scan# 1902
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

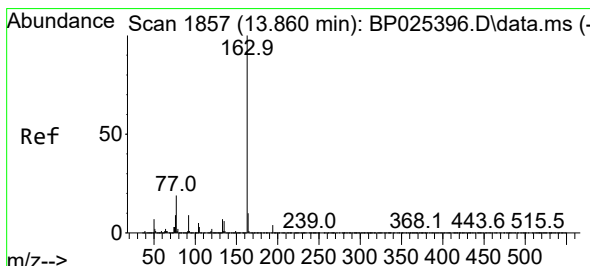
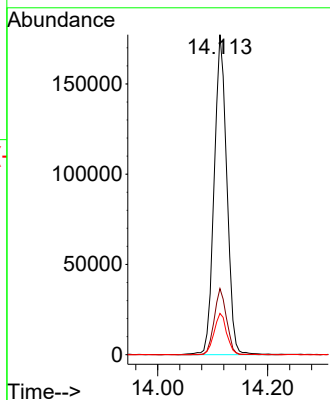
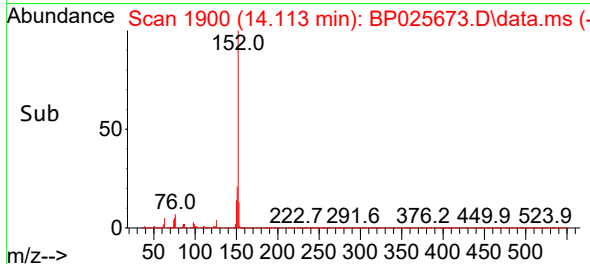
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



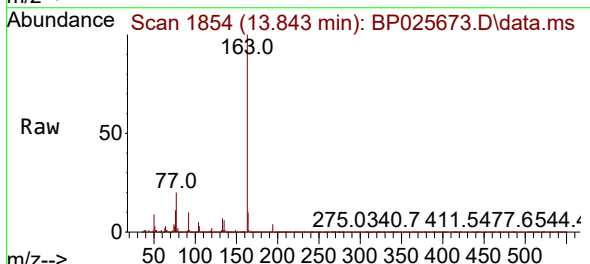
Tgt Ion:152 Resp: 283398
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 12.9 10.6 15.8

Manual Integrations
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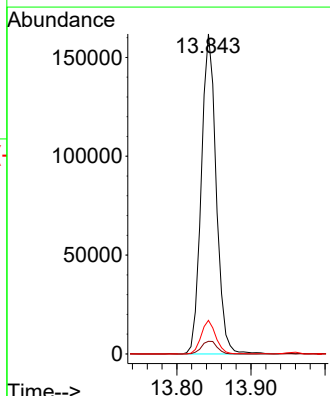
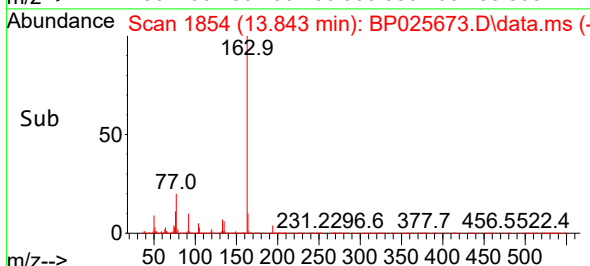
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

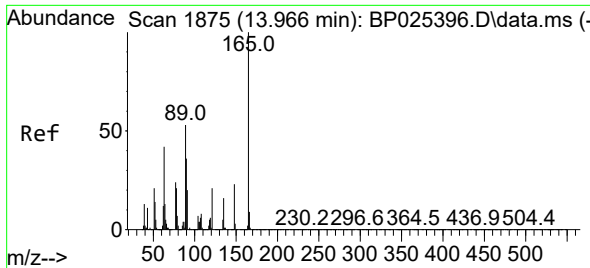


#50
Dimethylphthalate
Concen: 7.423 ng
RT: 13.843 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



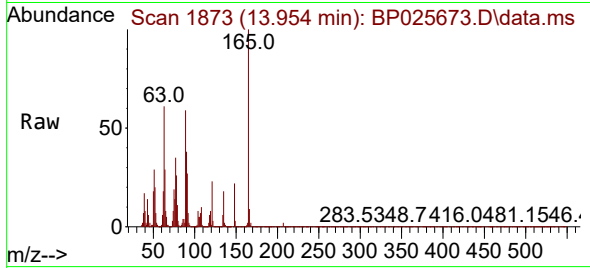
Tgt Ion:163 Resp: 226604
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.5 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 7.062 ng
RT: 13.954 min Scan# 1873
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

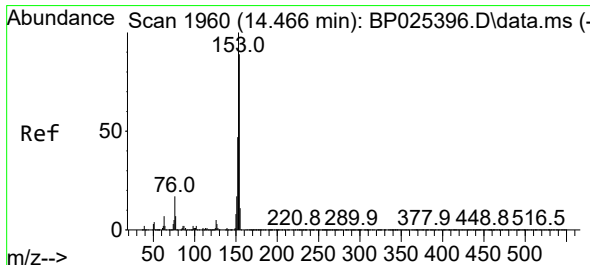
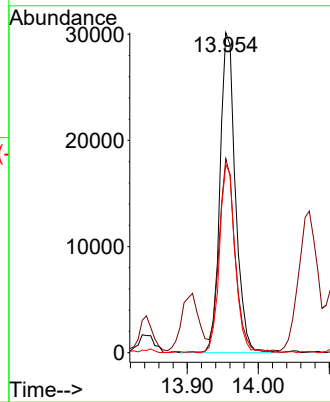
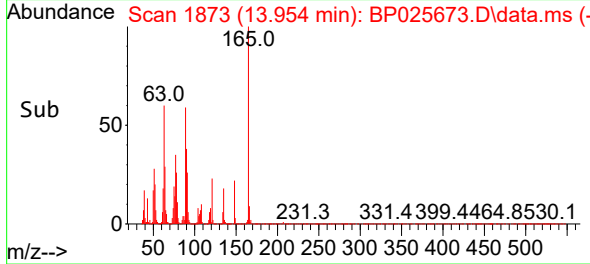
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:165 Resp: 45440
Ion Ratio Lower Upper
165 100
63 60.6 40.9 61.3
89 58.7 42.1 63.1

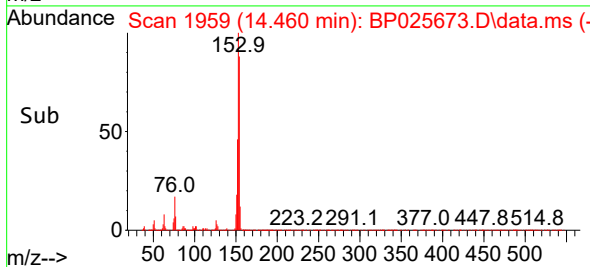
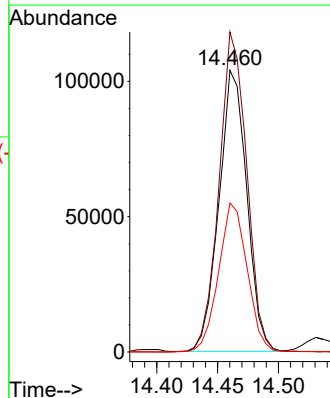
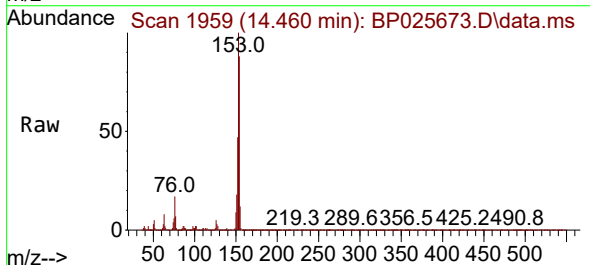
Manual Integrations
APPROVED

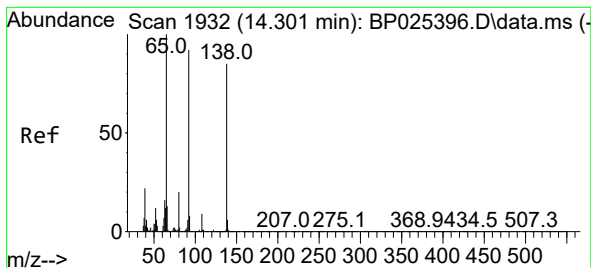
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#52
Acenaphthene
Concen: 7.232 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

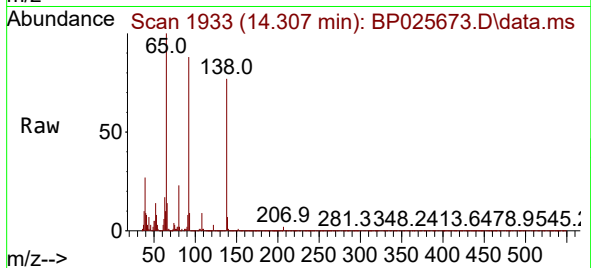
Tgt Ion:154 Resp: 165557
Ion Ratio Lower Upper
154 100
153 113.6 90.2 135.2
152 52.9 42.1 63.1





#53
3-Nitroaniline
Concen: 6.455 ng
RT: 14.307 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

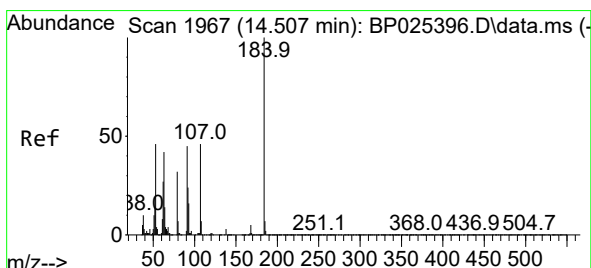
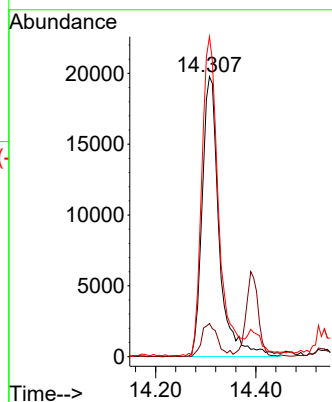
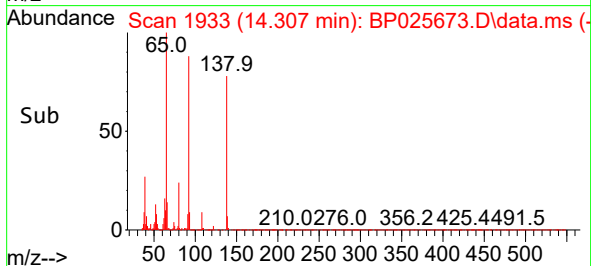
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



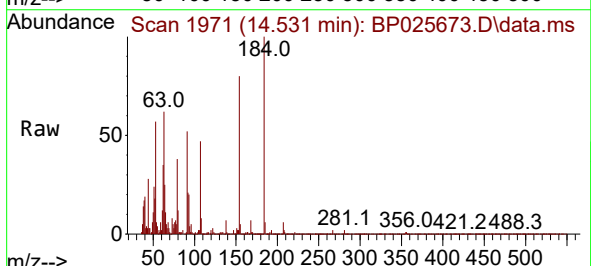
Tgt Ion:138 Resp: 46728
Ion Ratio Lower Upper
138 100
108 11.8 8.3 12.5
92 114.2 86.2 129.2

Manual Integrations
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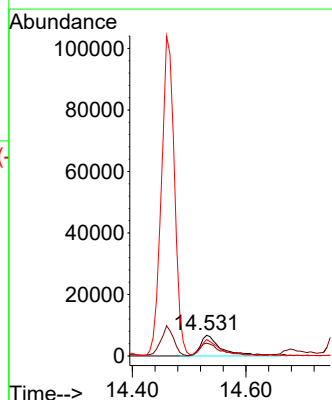
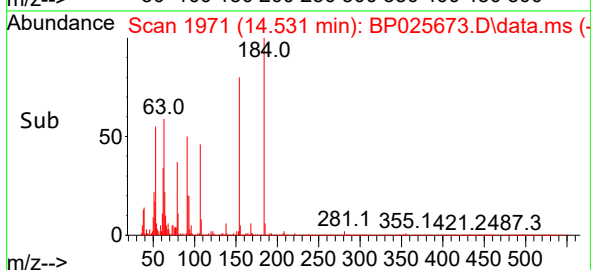
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

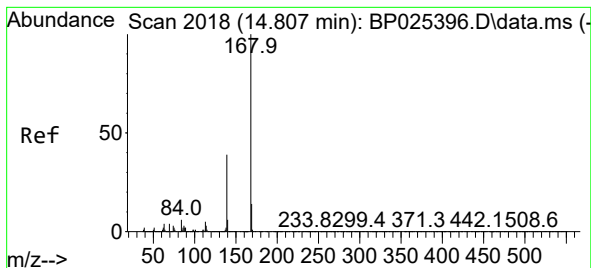


#54
2,4-Dinitrophenol
Concen: 5.009 ng
RT: 14.531 min Scan# 1971
Delta R.T. 0.024 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



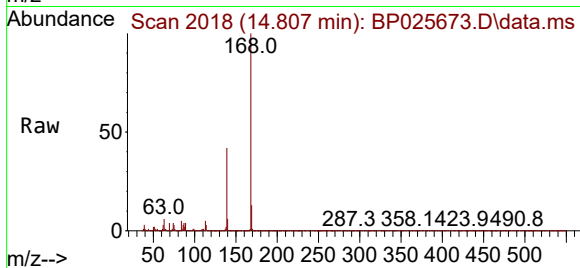
Tgt Ion:184 Resp: 17210
Ion Ratio Lower Upper
184 100
63 62.3 49.4 74.2
154 79.9 54.6 82.0





#55
Dibenzenofuran
Concen: 7.442 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

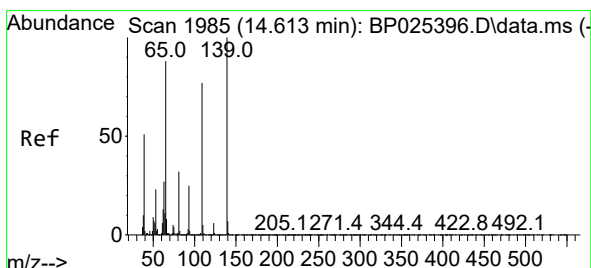
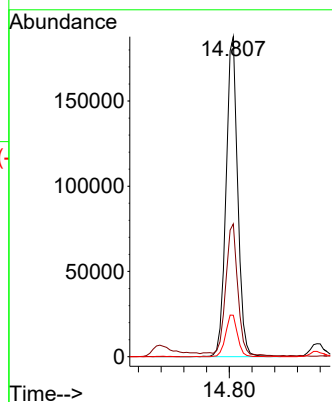
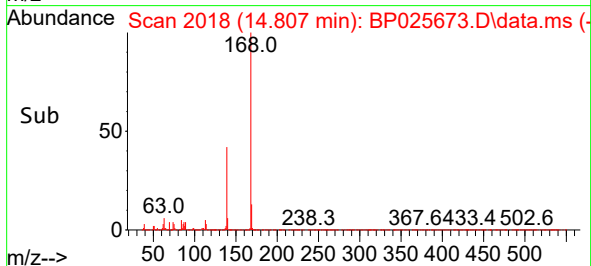
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



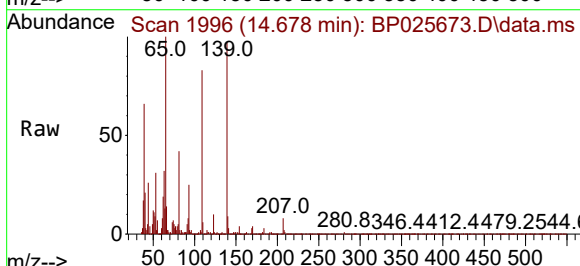
Tgt Ion:168 Resp: 26935
Ion Ratio Lower Upper
168 100
139 41.5 31.5 47.3
169 13.0 10.9 16.3

Manual Integrations
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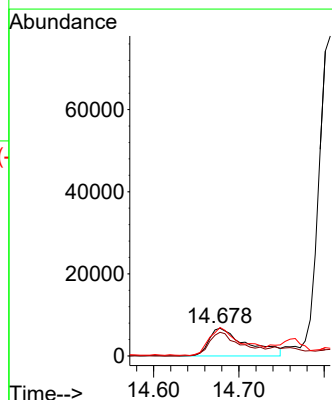
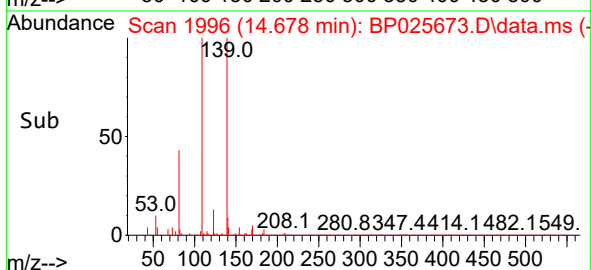
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

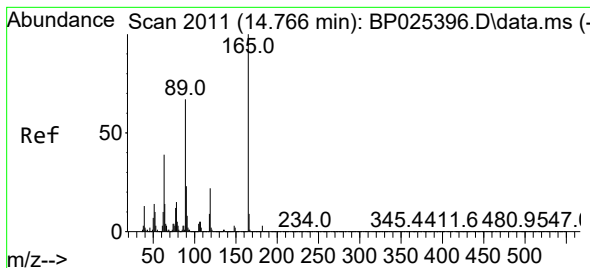


#56
4-Nitrophenol
Concen: 3.479 ng
RT: 14.678 min Scan# 1996
Delta R.T. 0.065 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



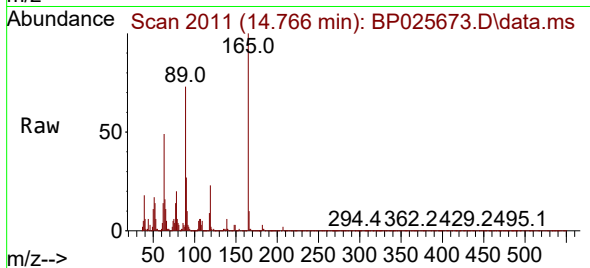
Tgt Ion:139 Resp: 20697
Ion Ratio Lower Upper
139 100
109 85.7 56.6 96.6
65 103.0 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 6.886 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

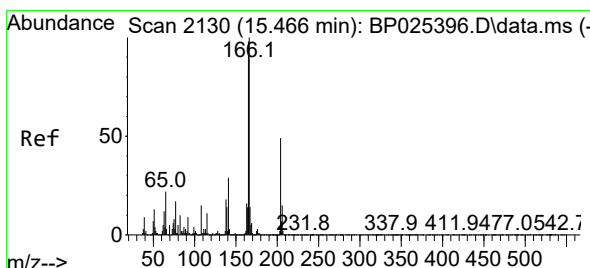
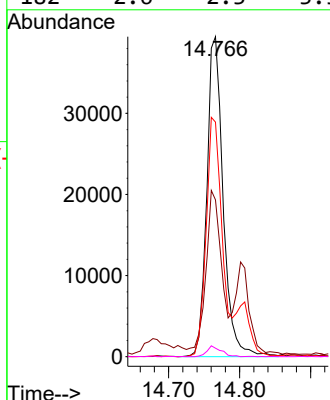
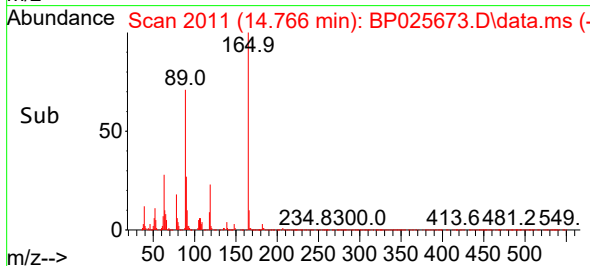
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



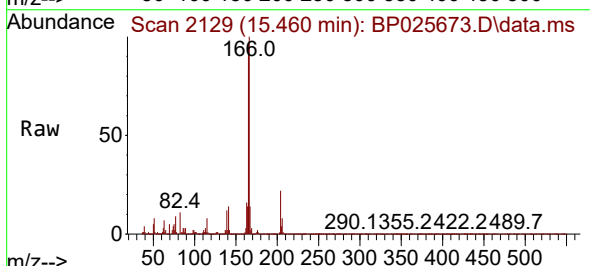
Tgt Ion:165 Resp: 6321
Ion Ratio Lower Upper
165 100
63 49.0 31.4 47.2
89 73.3 53.3 79.9
182 2.6 2.3 3.5

Manual Integrations
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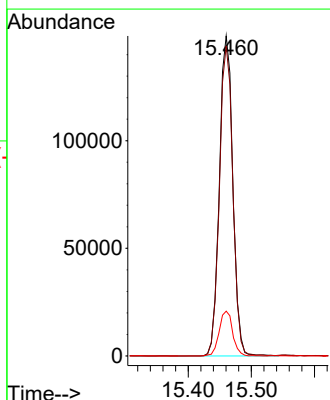
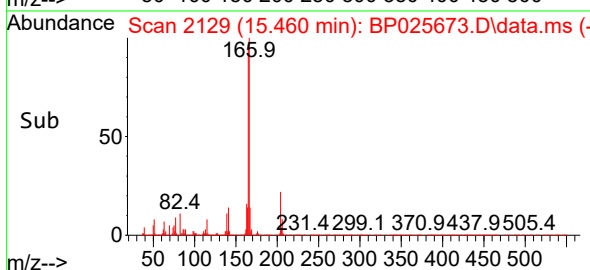
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

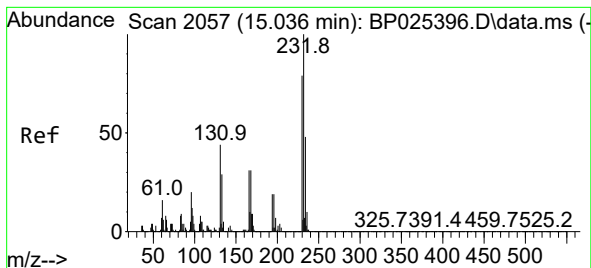


#58
Fluorene
Concen: 7.683 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



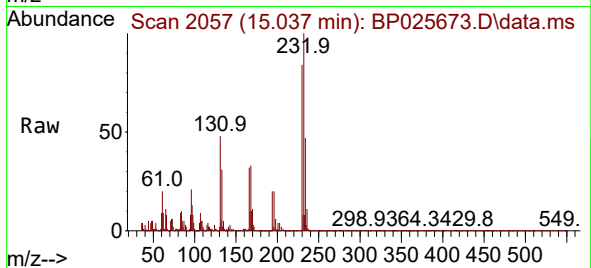
Tgt Ion:166 Resp: 219413
Ion Ratio Lower Upper
166 100
165 96.9 78.8 118.2
167 14.0 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.089 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

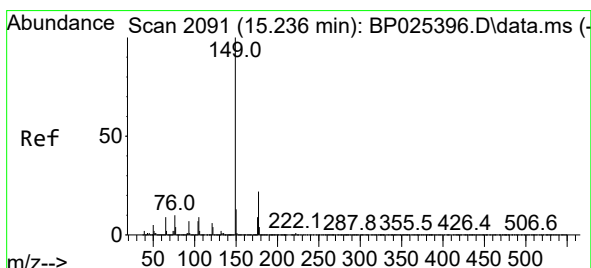
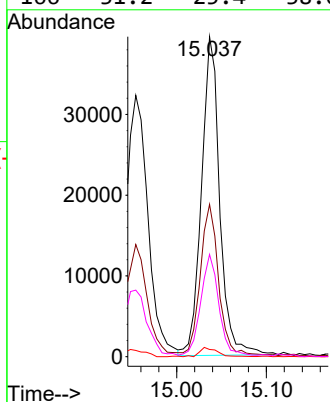
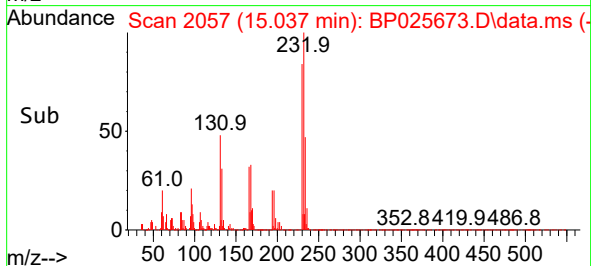
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



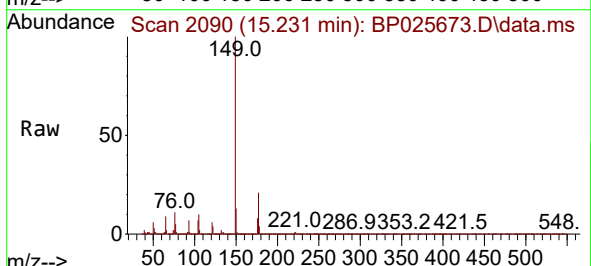
Tgt Ion:232 Resp: 5575
Ion Ratio Lower Upper
232 100
131 47.9 37.0 55.6
130 2.8 1.9 2.9
166 31.2 25.4 38.0

Manual Integrations
APPROVED

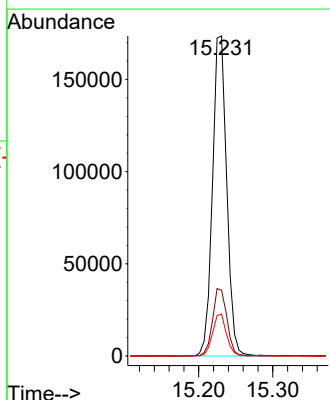
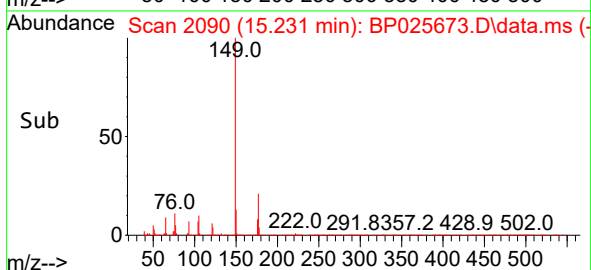
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

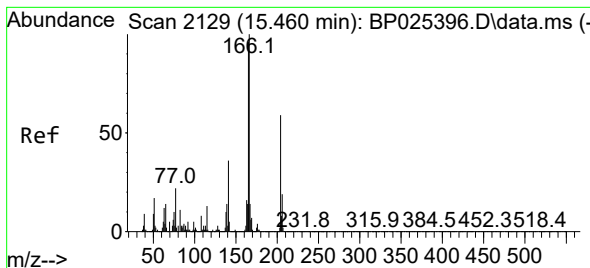


#60
Diethylphthalate
Concen: 7.458 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



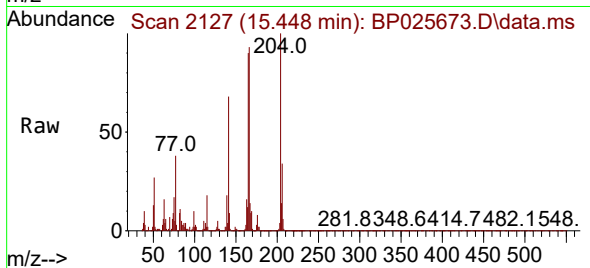
Tgt Ion:149 Resp: 231339
Ion Ratio Lower Upper
149 100
177 20.5 17.3 25.9
150 13.1 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 7.568 ng
RT: 15.448 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

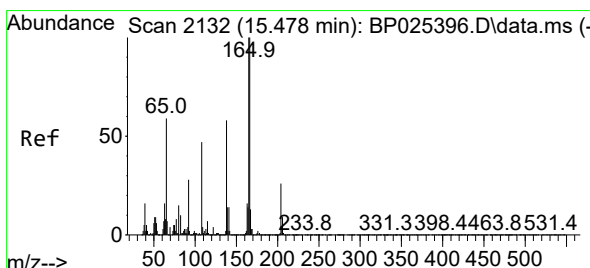
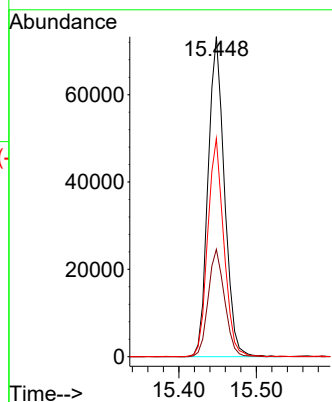
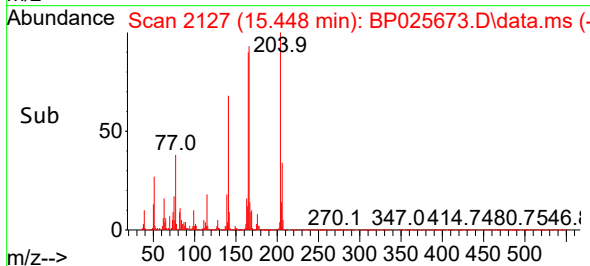
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



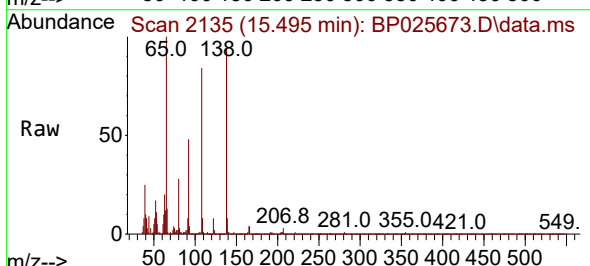
Tgt Ion:204 Resp: 10748
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 68.1 49.4 74.2

Manual Integrations
APPROVED

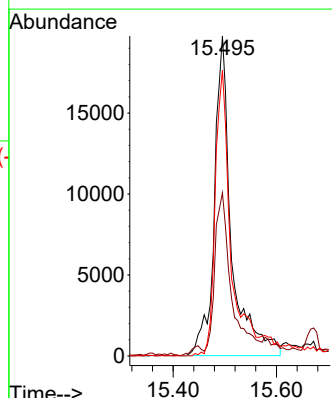
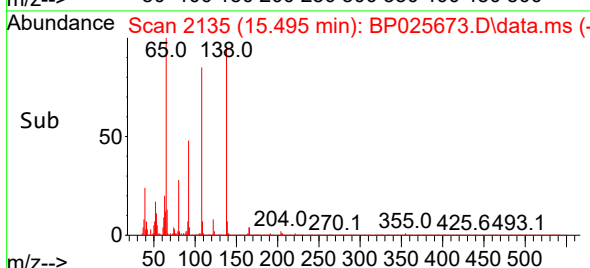
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025

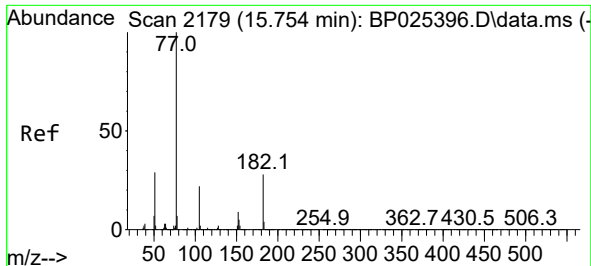


#62
4-Nitroaniline
Concen: 6.170 ng
RT: 15.495 min Scan# 2135
Delta R.T. 0.018 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21



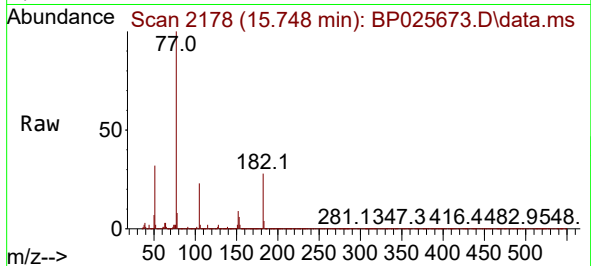
Tgt Ion:138 Resp: 45791
Ion Ratio Lower Upper
138 100
92 51.0 29.1 69.1
108 89.4 61.5 101.5





#63
Azobenzene
Concen: 7.625 ng
RT: 15.748 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

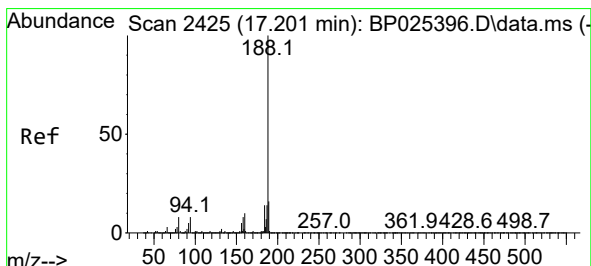
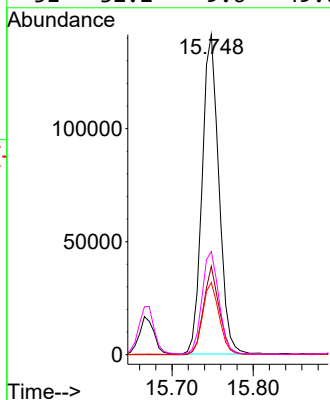
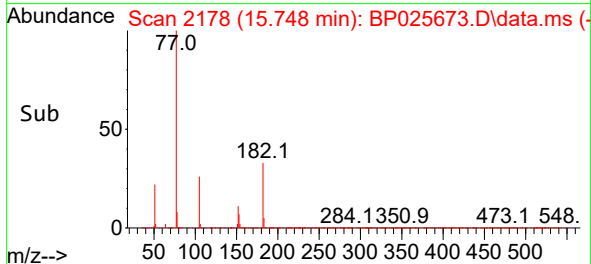
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 77 Resp: 202509
Ion Ratio Lower Upper
77 100
182 27.7 7.5 47.5
105 22.6 2.1 42.1
51 32.2 9.6 49.6

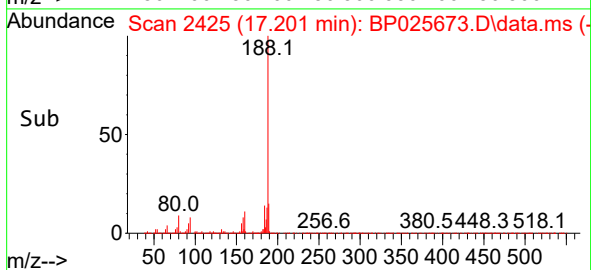
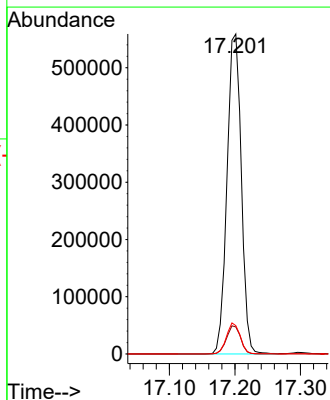
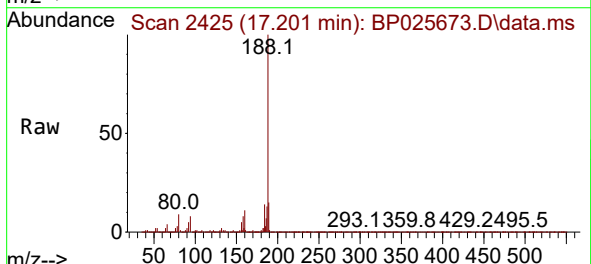
Manual Integrations
APPROVED

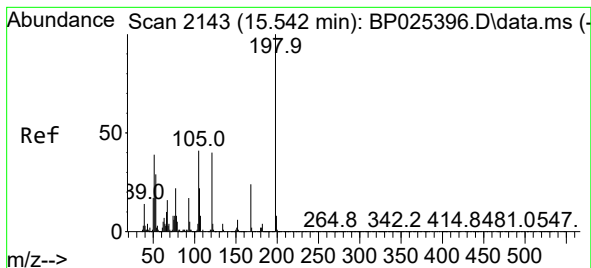
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion:188 Resp: 844672
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.9 6.7 10.1





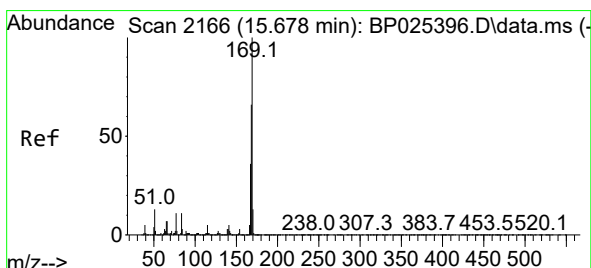
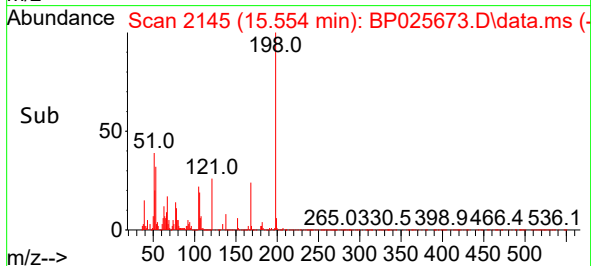
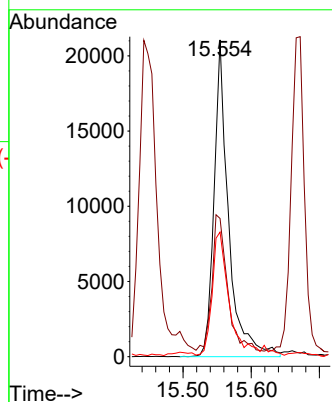
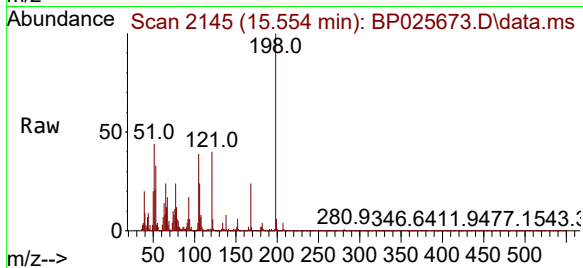
#65
4,6-Dinitro-2-methylphenol
Concen: 5.906 ng
RT: 15.554 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:198 Resp: 31098
Ion Ratio Lower Upper
198 100
51 43.6 19.6 59.6
105 39.3 20.9 60.9

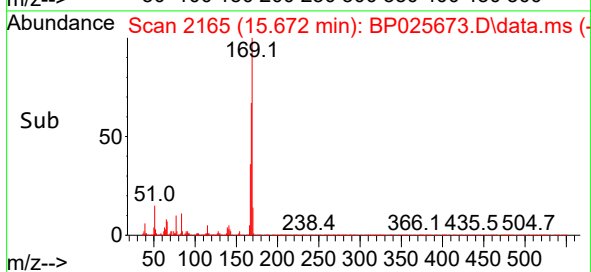
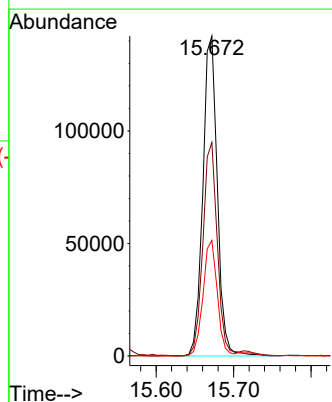
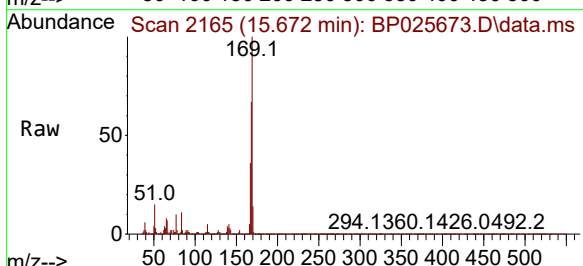
Manual Integrations
APPROVED

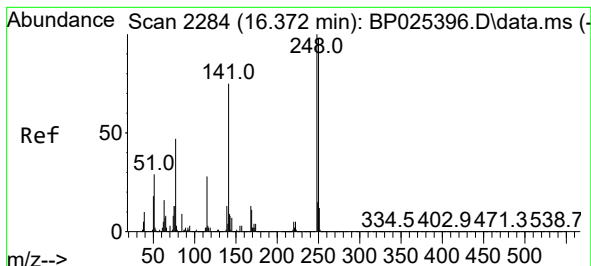
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#66
n-Nitrosodiphenylamine
Concen: 7.174 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

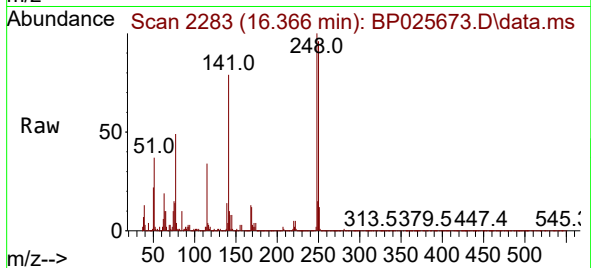
Tgt Ion:169 Resp: 184777
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.1 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 7.412 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

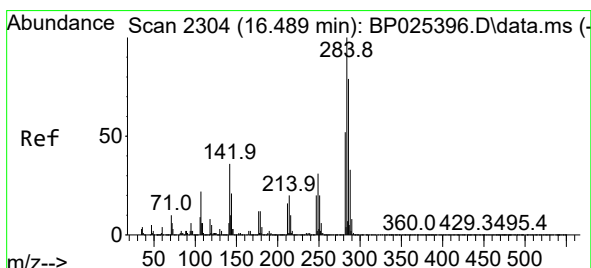
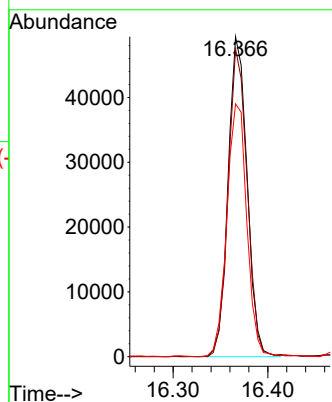
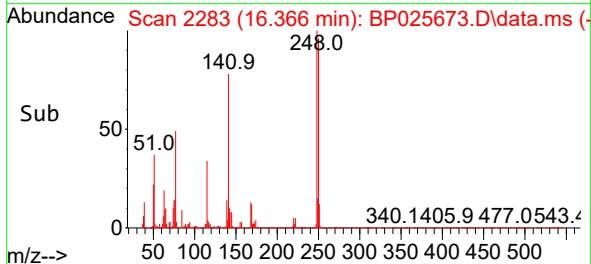
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:248 Resp: 6885
Ion Ratio Lower Upper
248 100
250 96.2 78.2 117.2
141 79.0 59.6 89.4

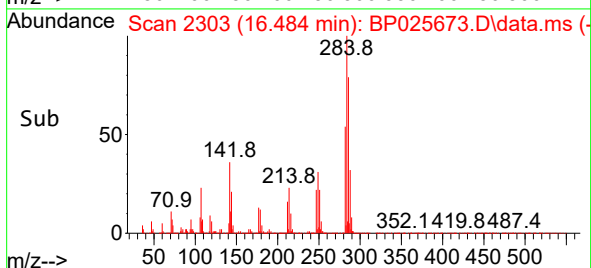
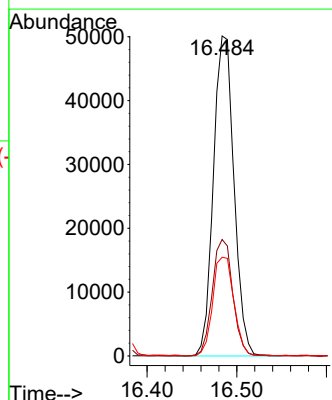
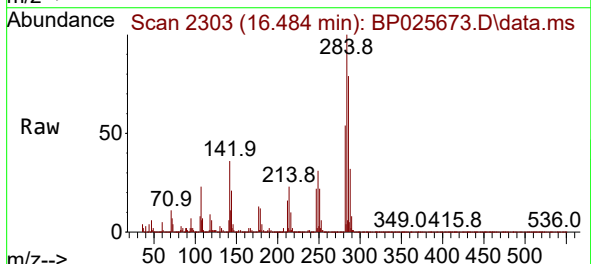
Manual Integrations
APPROVED

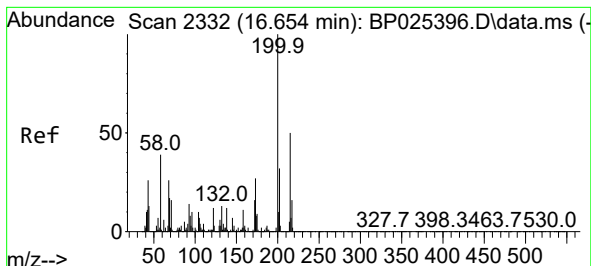
Reviewed By :Rahul Chavli 09/05/2025
Supervised By :Jagrut Upadhyay 09/05/2025



#68
Hexachlorobenzene
Concen: 7.410 ng
RT: 16.484 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025673.D
Acq: 05 Sep 2025 11:21

Tgt Ion:284 Resp: 79793
Ion Ratio Lower Upper
284 100
142 36.4 29.1 43.7
249 30.8 25.0 37.4





#69

Atrazine

Concen: 7.132 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

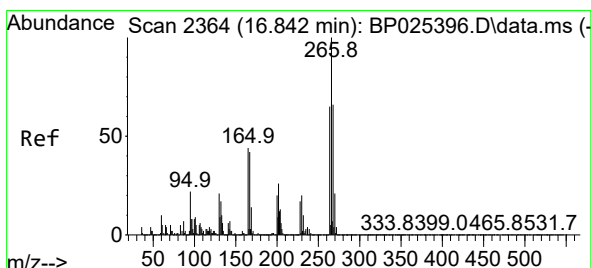
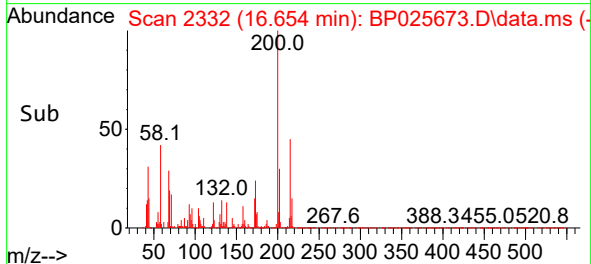
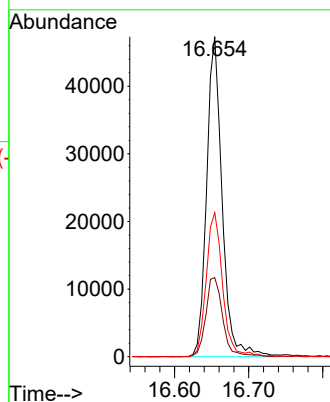
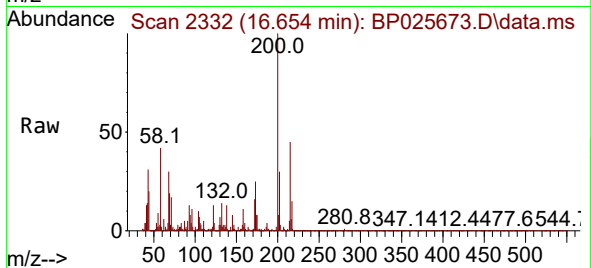
Tgt Ion:	200	Resp:	6879
Ion Ratio	Lower	Upper	
200	100		
173	24.7	6.7	46.7
215	45.0	29.7	69.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#70

Pentachlorophenol

Concen: 6.066 ng

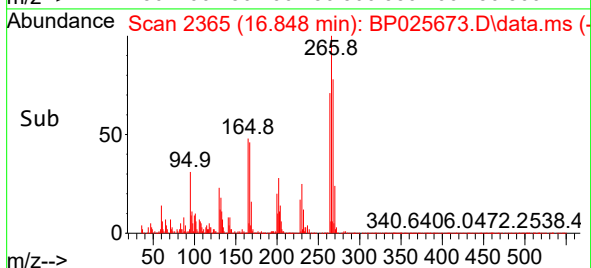
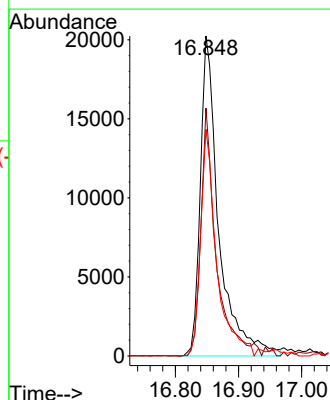
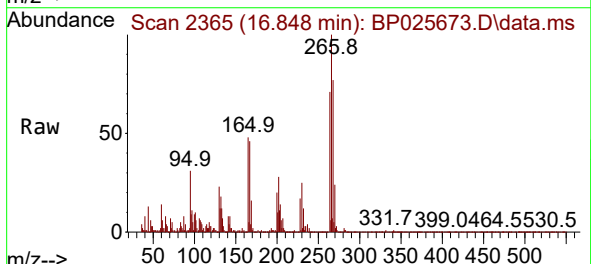
RT: 16.848 min Scan# 2365

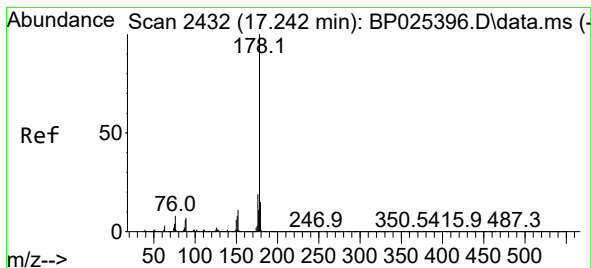
Delta R.T. 0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:	266	Resp:	41233
Ion Ratio	Lower	Upper	
266	100		
268	77.4	52.6	79.0
264	70.9	52.0	78.0





#71

Phenanthrene

Concen: 7.449 ng

RT: 17.237 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

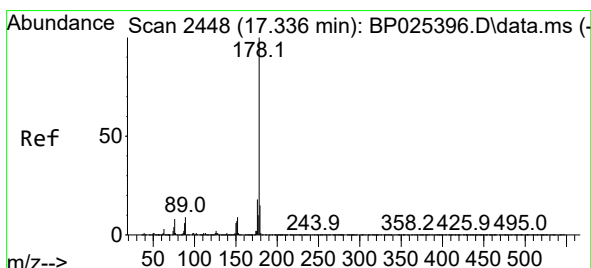
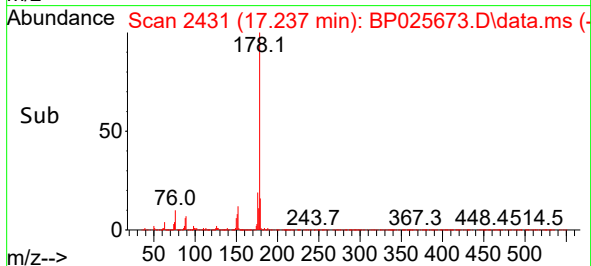
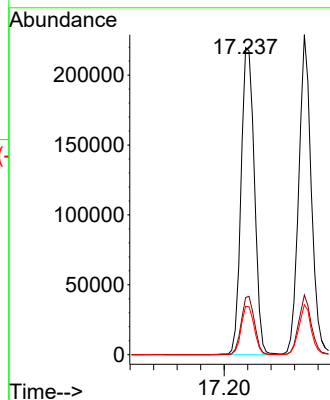
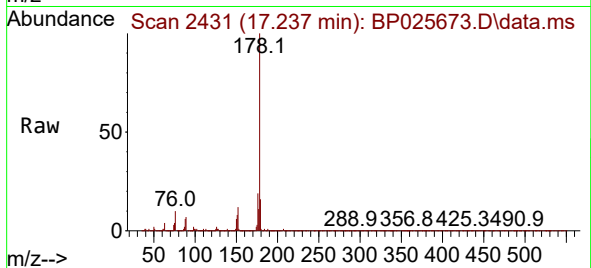
Tgt Ion:178 Resp: 345629
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 15.8 12.2 18.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/05/2025



#72

Anthracene

Concen: 7.155 ng

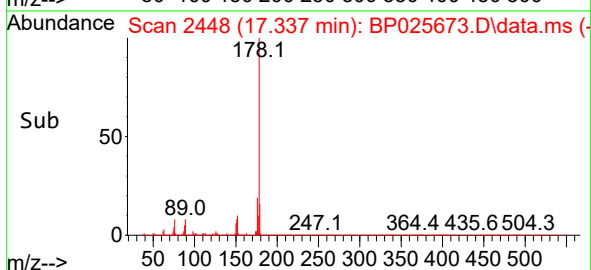
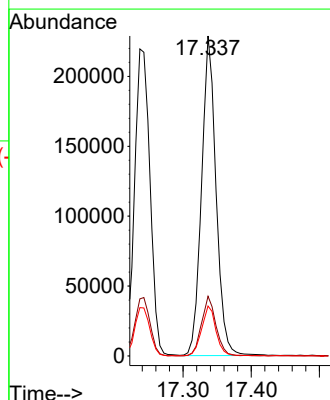
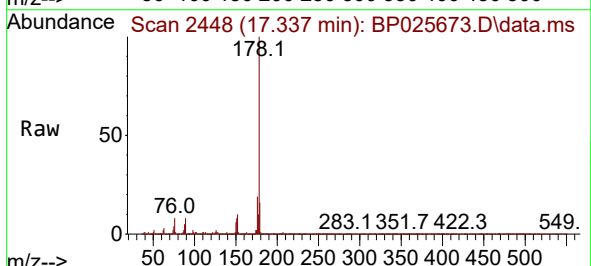
RT: 17.337 min Scan# 2448

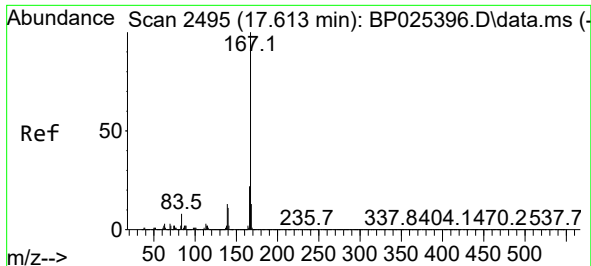
Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

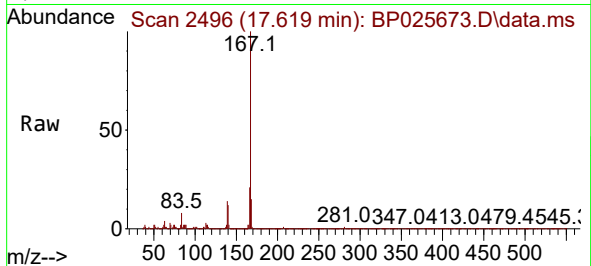
Tgt Ion:178 Resp: 339056
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 15.6 12.2 18.2





#73
 Carbazole
 Concen: 7.022 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025673.D
 Acq: 05 Sep 2025 11:21

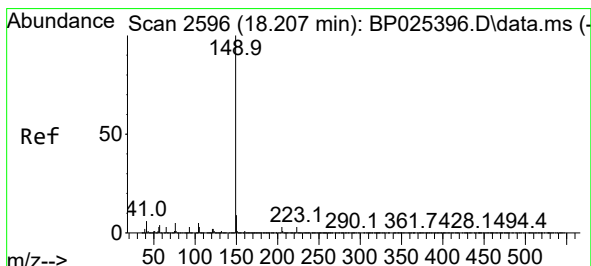
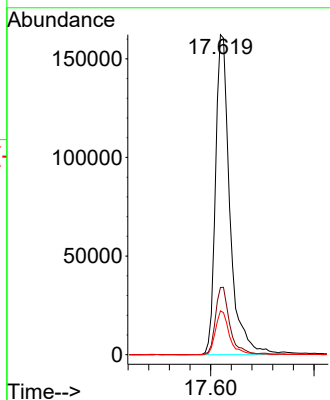
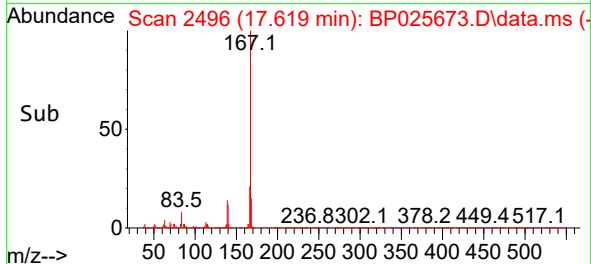
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



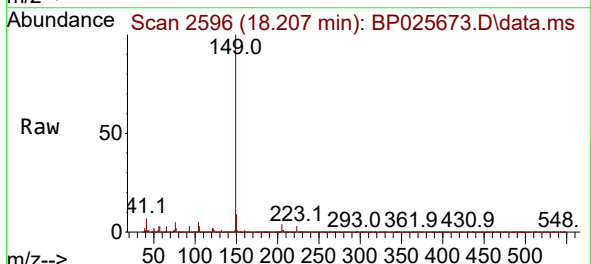
Tgt Ion:167 Resp: 313428
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 13.7 10.6 16.0

Manual Integrations
 APPROVED

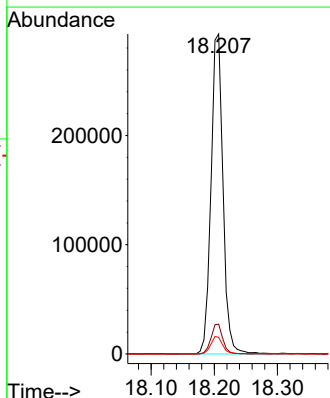
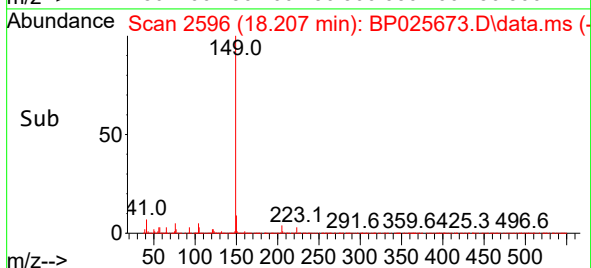
Reviewed By :Rahul Chavli 09/05/2025
 Supervised By :Jagrut Upadhyay 09/05/2025

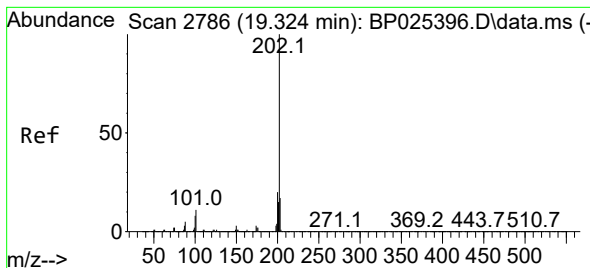


#74
 Di-n-butylphthalate
 Concen: 7.031 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025673.D
 Acq: 05 Sep 2025 11:21



Tgt Ion:149 Resp: 386062
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.2 4.2 6.2





#75

Fluoranthene

Concen: 7.072 ng

RT: 19.331 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

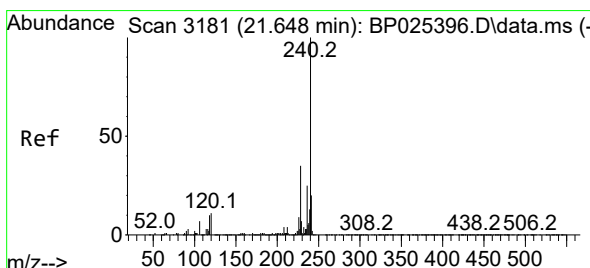
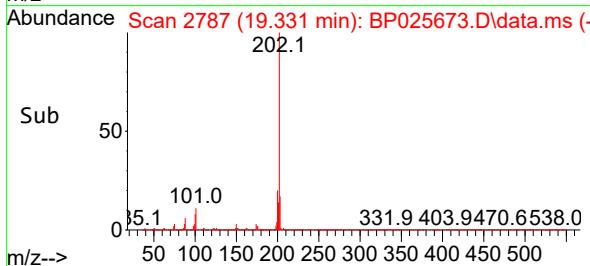
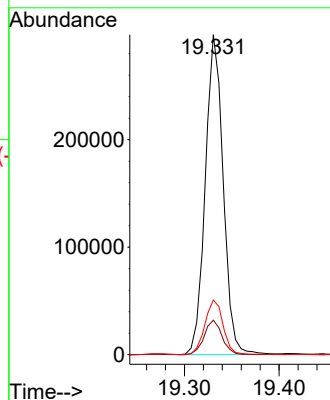
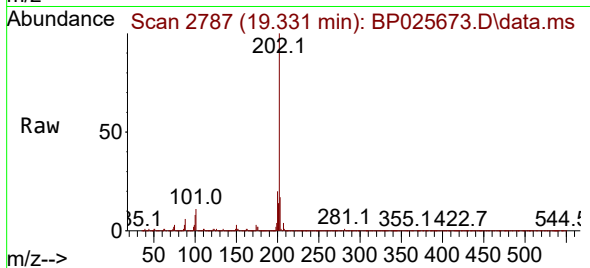
Tgt Ion:	202	Resp:	39141
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.1
203	17.1	0.0	37.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#76

Chrysene-d12

Concen: 20.000 ng

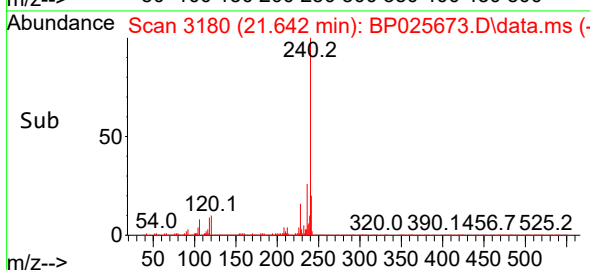
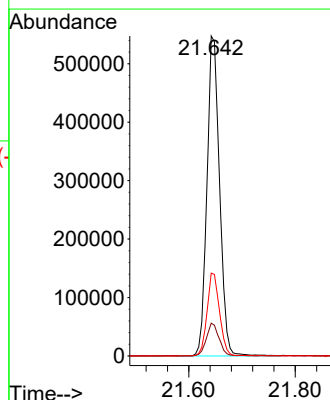
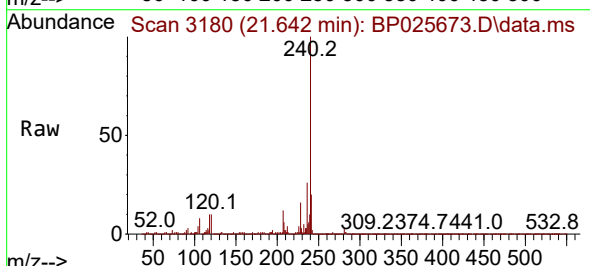
RT: 21.642 min Scan# 3180

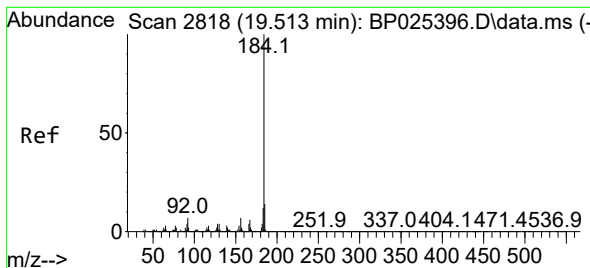
Delta R.T. -0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:	240	Resp:	902070
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.9	13.3
236	25.9	19.8	29.8





#77

Benzidine

Concen: 6.206 ng

RT: 19.525 min Scan# 2818

Delta R.T. 0.012 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

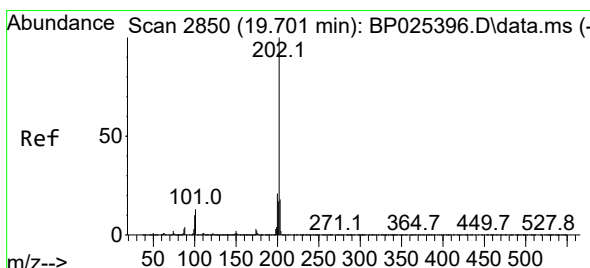
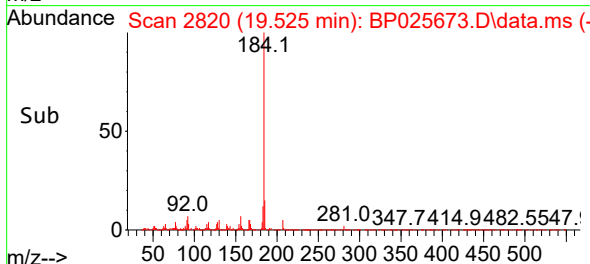
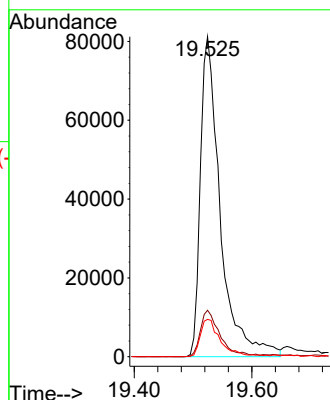
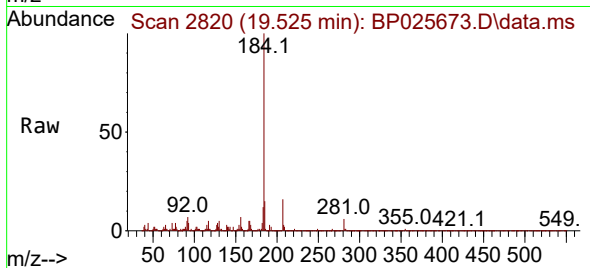
Tgt Ion:184	Resp: 19105
Ion Ratio	Lower Upper
184 100	
185 14.5	11.5 17.3
183 11.7	9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#78

Pyrene

Concen: 7.206 ng

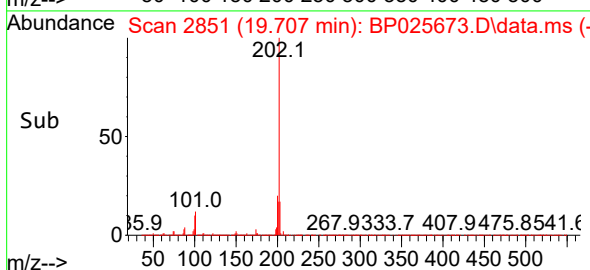
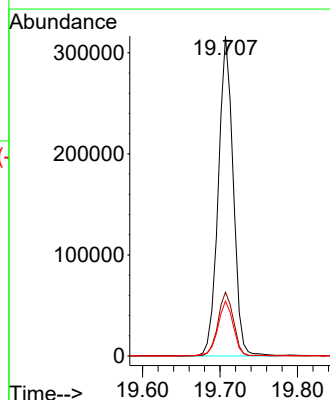
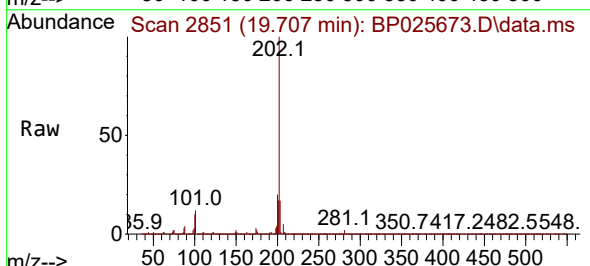
RT: 19.707 min Scan# 2851

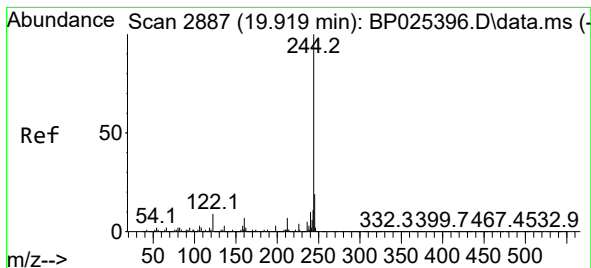
Delta R.T. 0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:202	Resp: 422486
Ion Ratio	Lower Upper
202 100	
200 19.9	16.9 25.3
203 17.1	14.2 21.2





#79

Terphenyl-d14

Concen: 75.526 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025673.D

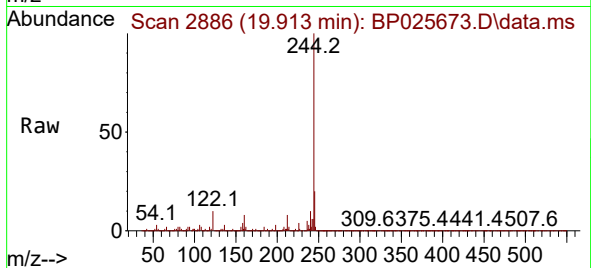
Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:244 Resp: 372381

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

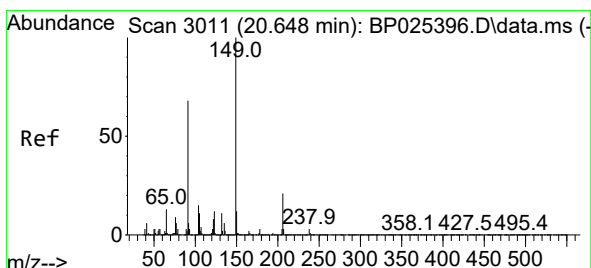
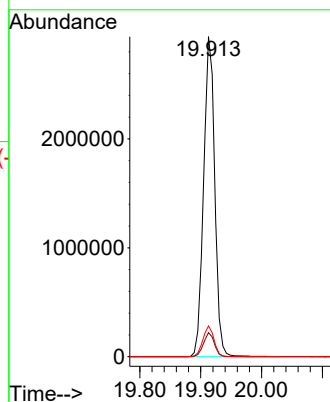
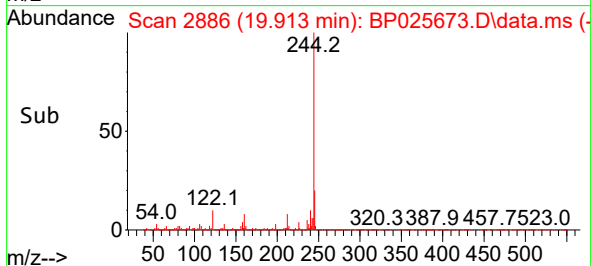
122 9.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#80

Butylbenzylphthalate

Concen: 6.673 ng

RT: 20.648 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

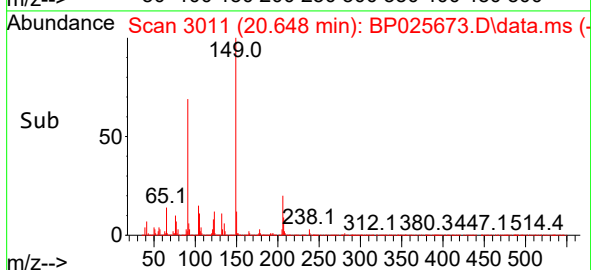
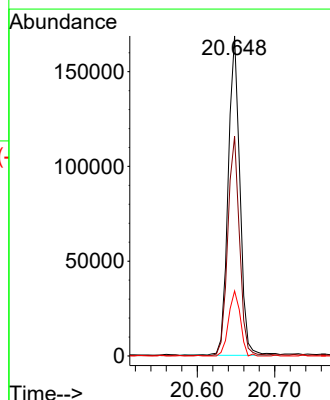
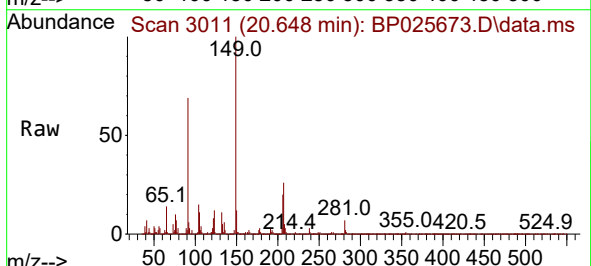
Tgt Ion:149 Resp: 177322

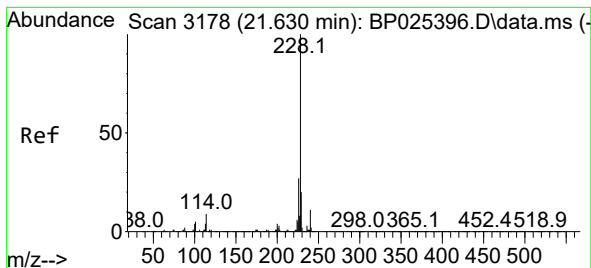
Ion Ratio Lower Upper

149 100

91 68.6 54.2 81.2

206 20.3 16.6 24.8





#81

Benzo(a)anthracene

Concen: 7.075 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

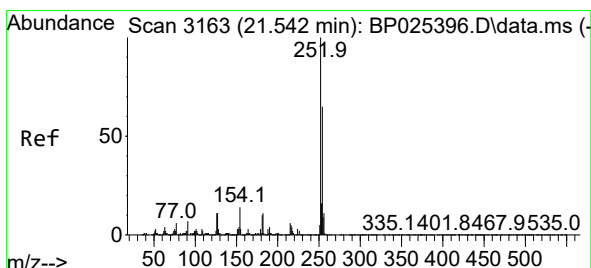
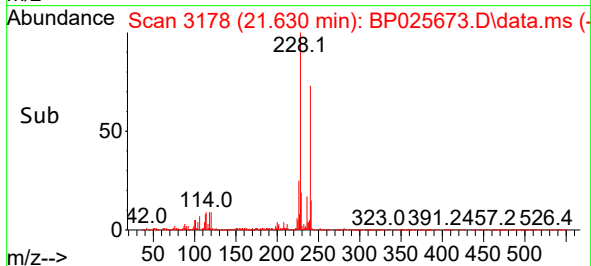
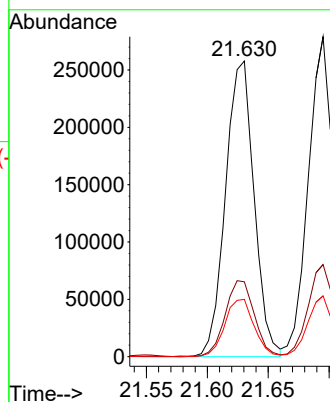
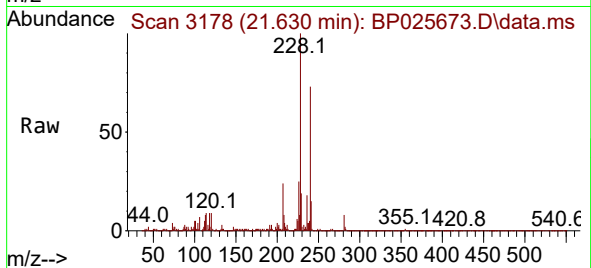
Tgt Ion:228 Resp: 420900
 Ion Ratio Lower Upper
 228 100
 226 25.3 21.7 32.5
 229 19.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#82

3,3'-Dichlorobenzidine

Concen: 6.504 ng

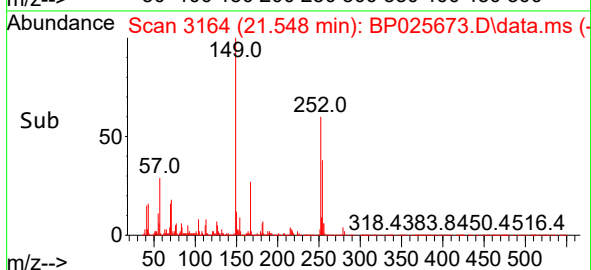
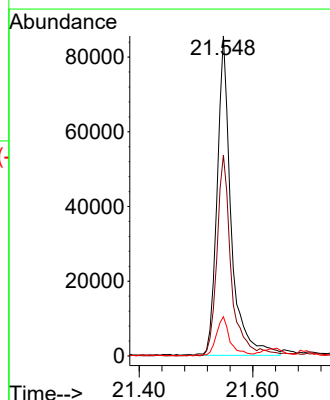
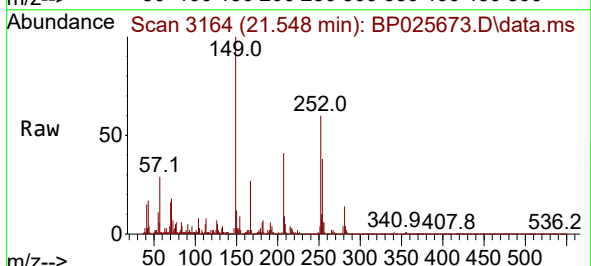
RT: 21.548 min Scan# 3164

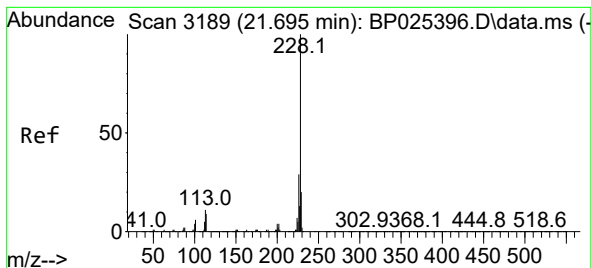
Delta R.T. 0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:252 Resp: 145850
 Ion Ratio Lower Upper
 252 100
 254 62.8 51.8 77.6
 126 12.3 9.1 13.7





#83

Chrysene

Concen: 7.265 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

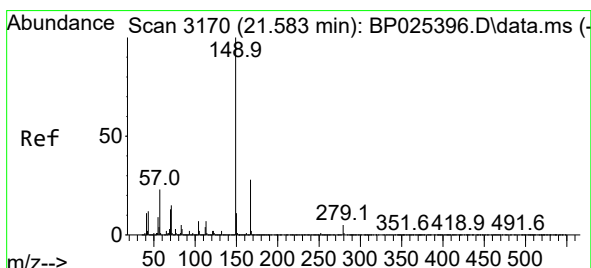
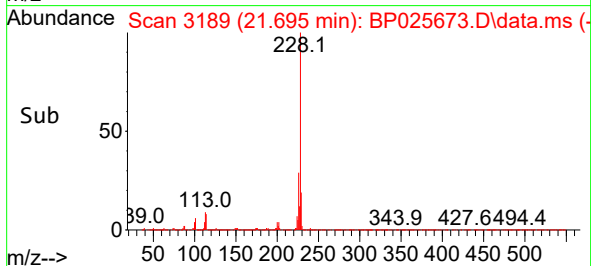
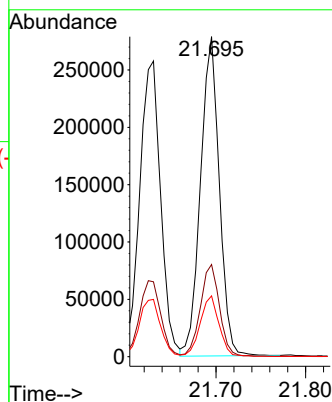
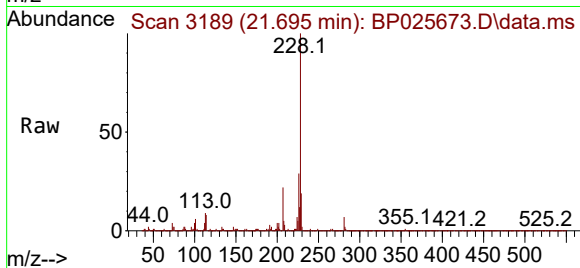
Tgt Ion:228 Resp: 404772
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.2 34.8
 229 19.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.628 ng

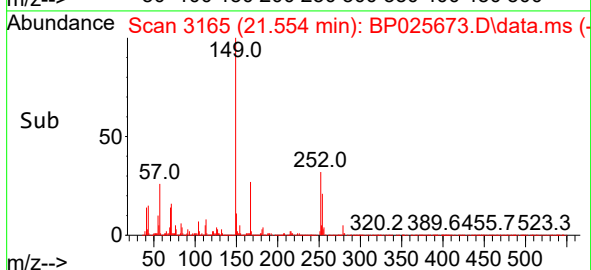
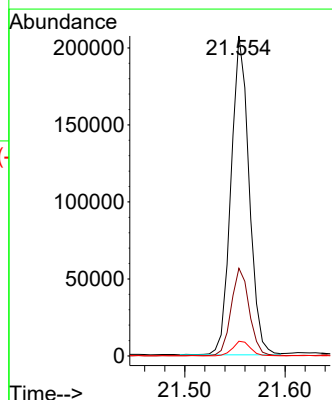
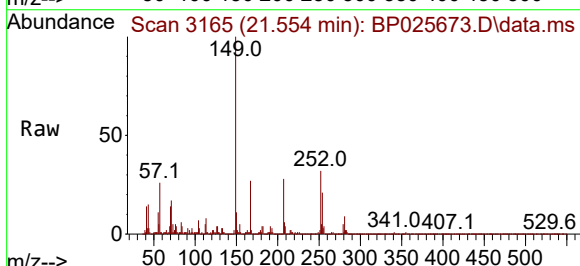
RT: 21.554 min Scan# 3165

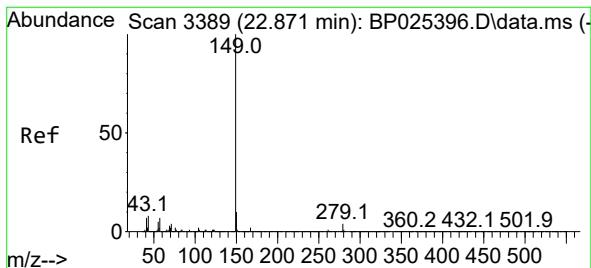
Delta R.T. -0.029 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:149 Resp: 259278
 Ion Ratio Lower Upper
 149 100
 167 27.4 22.1 33.1
 279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 6.350 ng

RT: 22.836 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

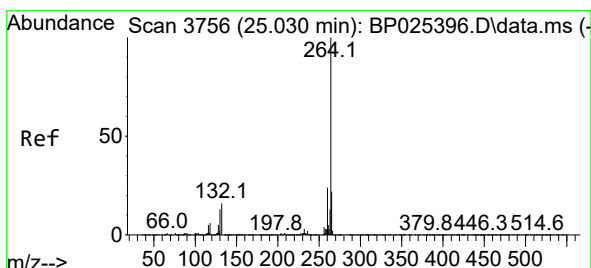
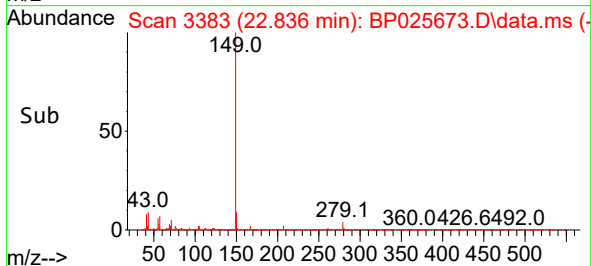
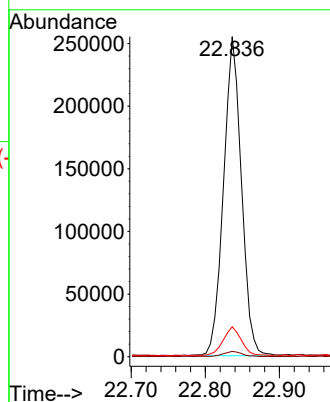
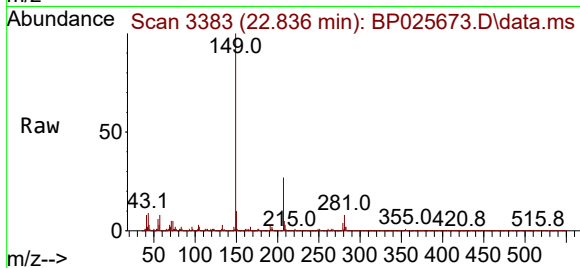
Tgt Ion:149	Resp: 42725
Ion Ratio	Lower Upper
149 100	
167 1.7	1.3 1.9
43 9.1	6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#86

Perylene-d12

Concen: 20.000 ng

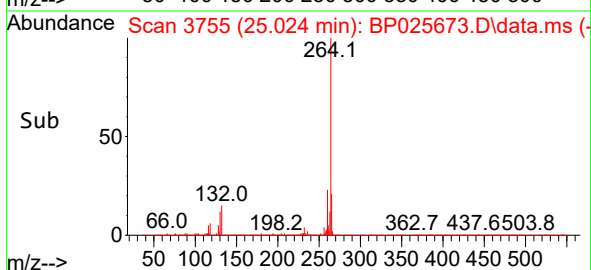
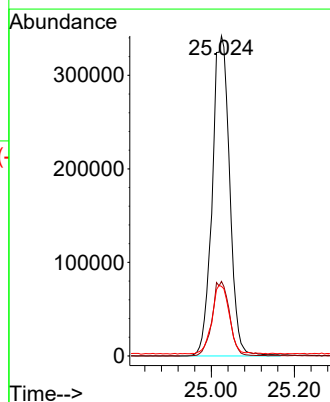
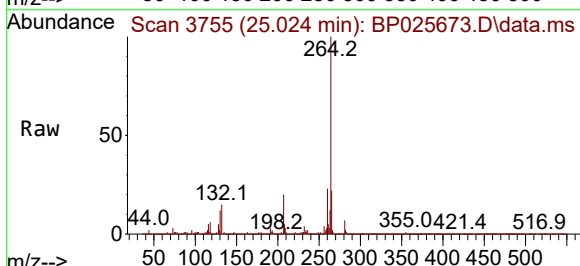
RT: 25.024 min Scan# 3755

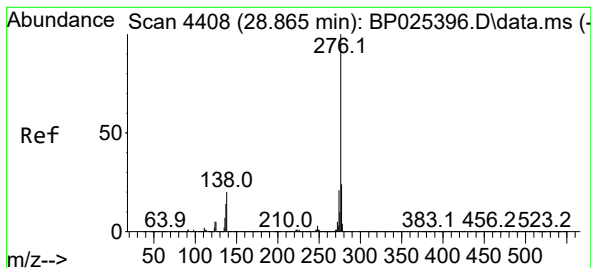
Delta R.T. -0.006 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:264	Resp: 992930
Ion Ratio	Lower Upper
264 100	
260 23.3	19.3 28.9
265 21.8	17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.764 ng

RT: 28.842 min Scan# 4408

Delta R.T. -0.023 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

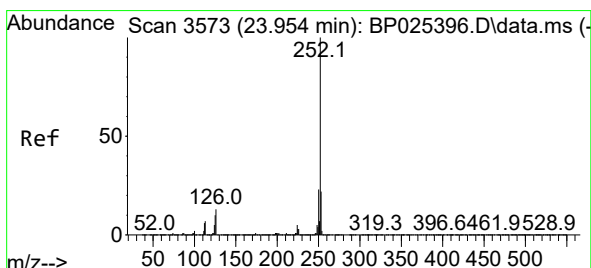
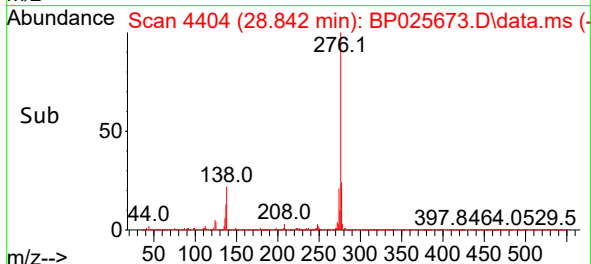
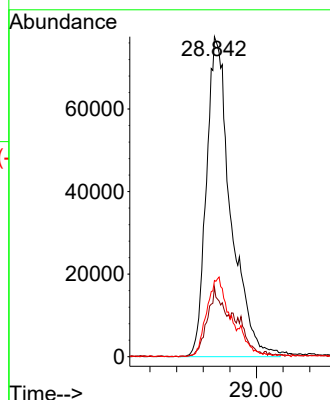
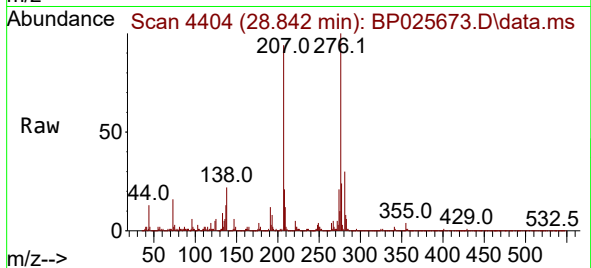
Tgt Ion:	276	Resp:	49254
Ion Ratio	Lower	Upper	
276	100		
138	15.5	12.9	19.3
277	21.5	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#88

Benzo(b)fluoranthene

Concen: 6.954 ng

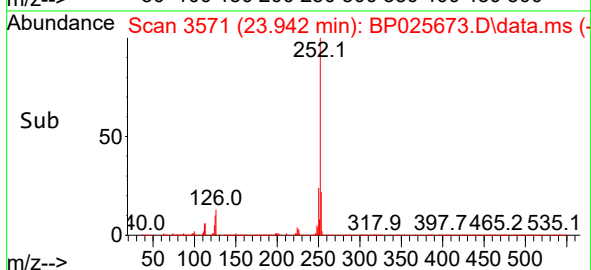
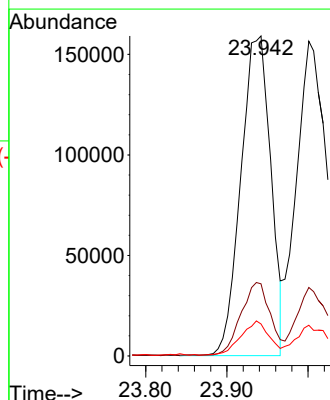
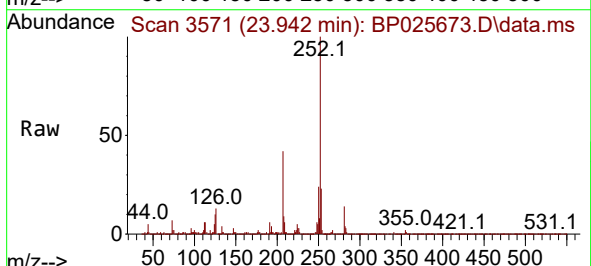
RT: 23.942 min Scan# 3571

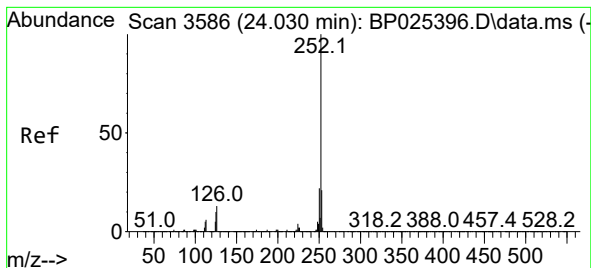
Delta R.T. -0.012 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:	252	Resp:	407150
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	10.0	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 7.142 ng

RT: 24.001 min Scan# 3586

Delta R.T. -0.029 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

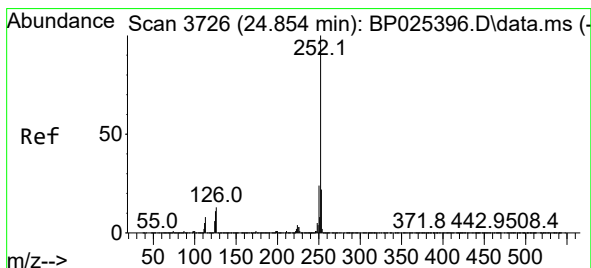
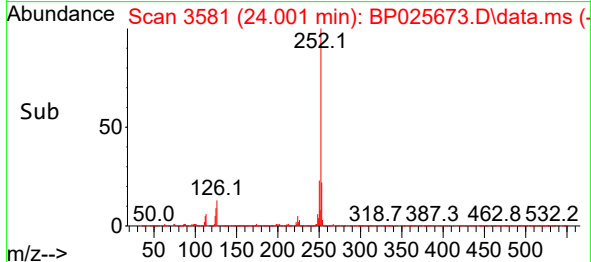
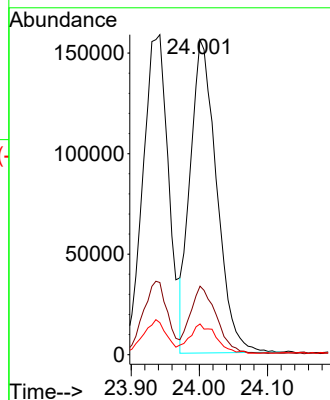
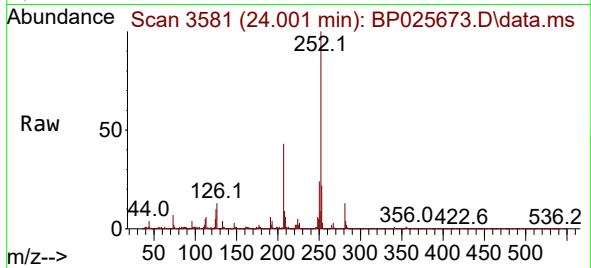
Tgt Ion:252 Resp: 41846
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.1 25.7
 125 9.8 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#90

Benzo(a)pyrene

Concen: 6.963 ng

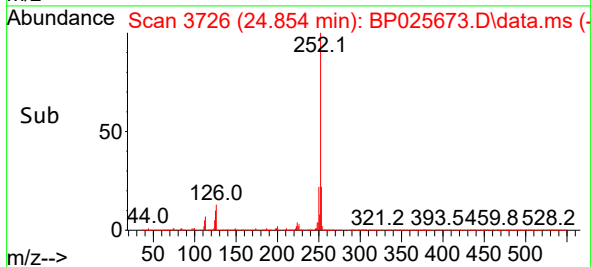
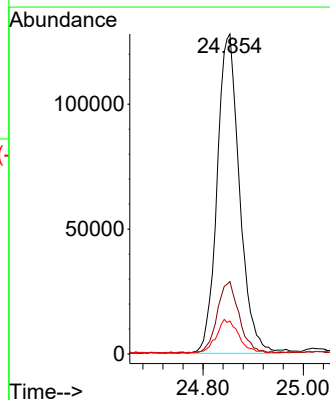
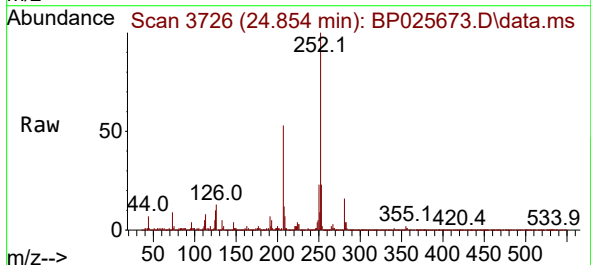
RT: 24.854 min Scan# 3726

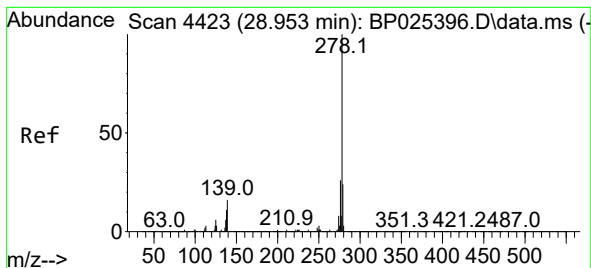
Delta R.T. 0.000 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion:252 Resp: 396824
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 10.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 6.739 ng

RT: 28.936 min Scan# 4423

Delta R.T. -0.017 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2025

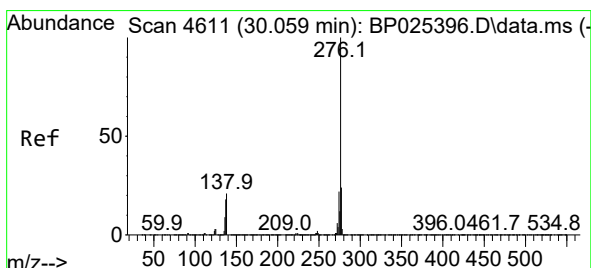
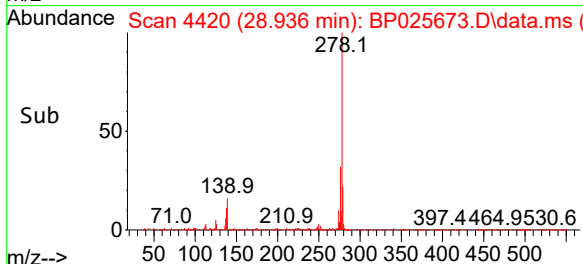
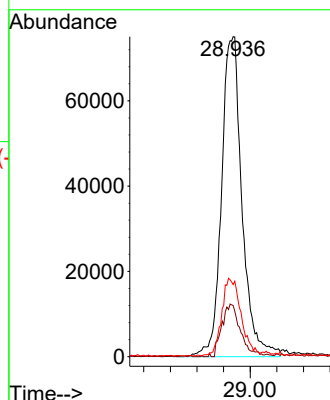
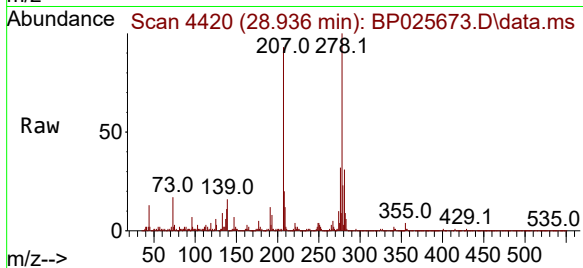
Tgt Ion: 278 Resp: 401000
 Ion Ratio Lower Upper
 278 100
 139 16.0 13.0 19.4
 279 22.6 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/05/2025

Supervised By :Jagrut Upadhyay 09/05/2025



#92

Benzo(g,h,i)perylene

Concen: 6.825 ng

RT: 30.030 min Scan# 4606

Delta R.T. -0.029 min

Lab File: BP025673.D

Acq: 05 Sep 2025 11:21

Tgt Ion: 276 Resp: 399214
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.4 29.0
 138 18.4 16.7 25.1

