

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050411.D
 Acq On : 11 Jul 2025 13:42
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 18 01:29:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/14/2025
 Supervised By :Jagrut Upadhyay 07/14/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	393674	20.000	ng	0.01
21) Naphthalene-d8	10.657	136	1424630	20.000	ng	0.02
39) Acenaphthene-d10	14.492	164	888444	20.000	ng	0.02
64) Phenanthrene-d10	17.221	188	1666458	20.000	ng	0.01
76) Chrysene-d12	21.450	240	1635479	20.000	ng	0.02
86) Perylene-d12	24.485	264	1634276	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2859209	125.017	ng	0.00
7) Phenol-d6	7.022	99	3594130	124.663	ng	0.01
23) Nitrobenzene-d5	9.016	82	2273172	81.406	ng	0.01
42) 2,4,6-Tribromophenol	15.968	330	1408574	130.488	ng	0.01
45) 2-Fluorobiphenyl	13.116	172	5801621	80.642	ng	0.01
79) Terphenyl-d14	19.839	244	9318437	100.248	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	35673	3.793	ng	99
3) Pyridine	3.740	79	88334	3.578	ng	95
4) n-Nitrosodimethylamine	3.646	42	43833	3.808	ng	# 87
6) Aniline	7.187	93	132437	3.579	ng	98
8) 2-Chlorophenol	7.428	128	94787	3.930	ng	96
9) Benzaldehyde	6.998	77	83099	4.845	ng	100
10) Phenol	7.045	94	112476	3.740	ng	86
11) bis(2-Chloroethyl)ether	7.281	93	88134	3.660	ng	98
12) 1,3-Dichlorobenzene	7.751	146	112984	3.853	ng	98
13) 1,4-Dichlorobenzene	7.898	146	115865	3.870	ng	96
14) 1,2-Dichlorobenzene	8.216	146	104535	3.647	ng	96
15) Benzyl Alcohol	8.098	79	69942	3.443	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.392	45	133526	3.764	ng	98
17) 2-Methylphenol	8.298	107	64202	3.292	ng	95
18) Hexachloroethane	8.951	117	38555	3.661	ng	94
19) n-Nitroso-di-n-propyla...	8.663	70	57180	3.274	ng	95
20) 3+4-Methylphenols	8.622	107	84955	3.245	ng	95
22) Acetophenone	8.681	105	129608	3.639	ng	# 96
24) Nitrobenzene	9.057	77	106486	4.273	ng	99
25) Isophorone	9.586	82	146861	3.241	ng	96
26) 2-Nitrophenol	9.769	139	28256	2.782	ng	# 89
27) 2,4-Dimethylphenol	9.828	122	75893	3.512	ng	96
28) bis(2-Chloroethoxy)met...	10.063	93	107848	3.592	ng	97
29) 2,4-Dichlorophenol	10.304	162	70462	3.174	ng	94
30) 1,2,4-Trichlorobenzene	10.522	180	98096	3.694	ng	99
31) Naphthalene	10.710	128	268531	3.711	ng	99
32) Benzoic acid	9.875	122	17220	7.111	ng	93
33) 4-Chloroaniline	10.810	127	101939	3.332	ng	98
34) Hexachlorobutadiene	11.004	225	59744	3.686	ng	97
35) Caprolactam	11.563	113	14880	2.455	ng	97
36) 4-Chloro-3-methylphenol	11.927	107	62385	3.009	ng	99
37) 2-Methylnaphthalene	12.316	142	158649	3.472	ng	99
38) 1-Methylnaphthalene	12.539	142	171944	3.556	ng	100
40) 1,2,4,5-Tetrachloroben...	12.686	216	100567	3.559	ng	99
41) Hexachlorocyclopentadiene	12.674	237	51472	2.850	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	50417	2.899	ng	96

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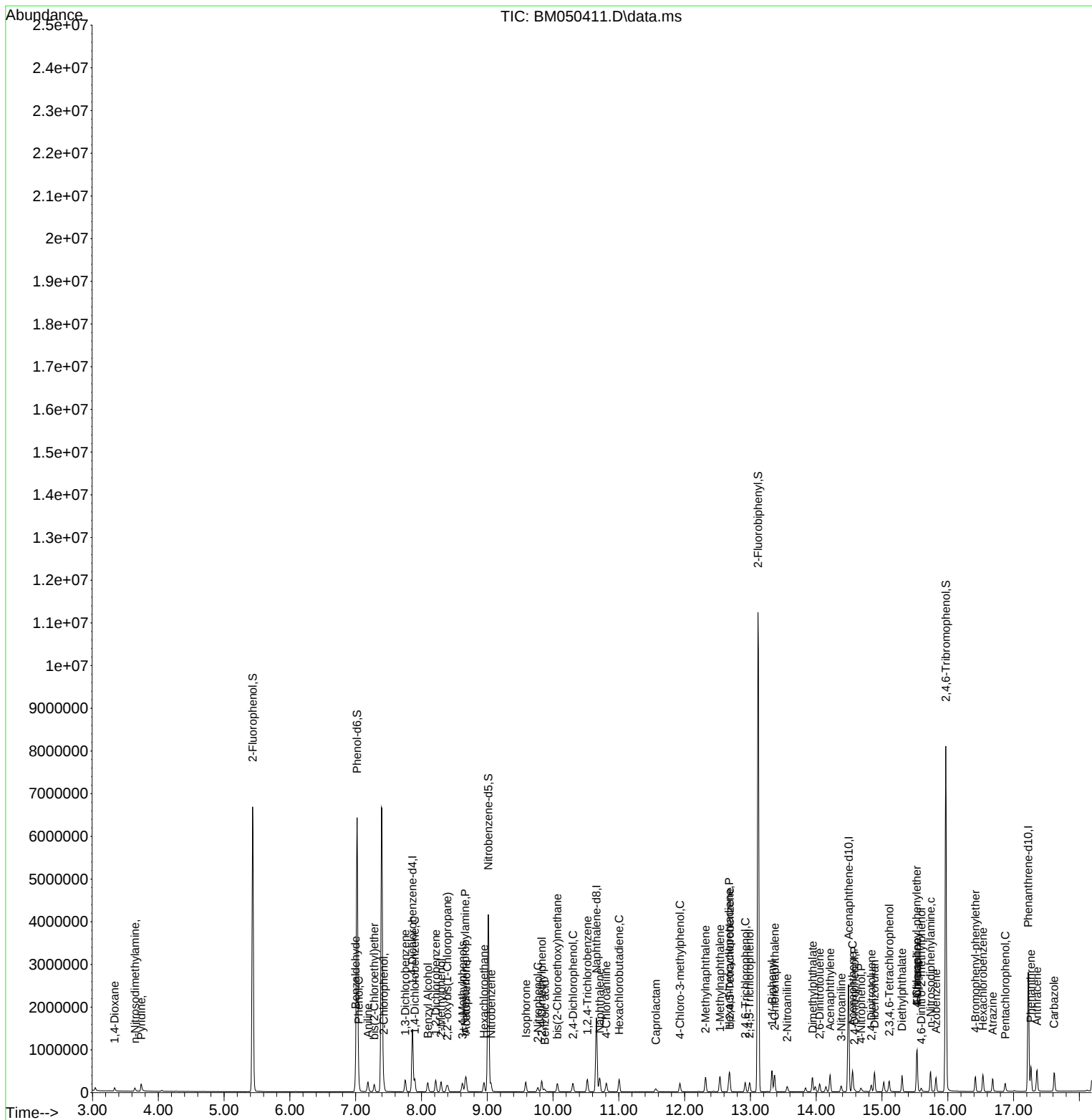
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	56463	2.973	ng	97
46) 1,1'-Biphenyl	13.327	154	250621	3.802	ng	99
47) 2-Chloronaphthalene	13.369	162	197494	3.758	ng	97
48) 2-Nitroaniline	13.557	65	31479	2.683	ng	92
49) Acenaphthylene	14.210	152	268411	3.379	ng	98
50) Dimethylphthalate	13.945	163	221283	3.618	ng	98
51) 2,6-Dinitrotoluene	14.051	165	33399	2.844	ng	# 85
52) Acenaphthene	14.551	154	176039	3.486	ng	96
53) 3-Nitroaniline	14.380	138	31610	2.531	ng	# 88
54) 2,4-Dinitrophenol	14.580	184	9258	7.721	ng	# 81
55) Dibenzofuran	14.886	168	288037	3.702	ng	97
56) 4-Nitrophenol	14.680	139	21265	1.980	ng	86
57) 2,4-Dinitrotoluene	14.839	165	37419	4.732	ng	# 85
58) Fluorene	15.533	166	217798	3.399	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.110	232	48582	3.039	ng	98
60) Diethylphthalate	15.304	149	198016	3.389	ng	97
61) 4-Chlorophenyl-phenyle...	15.527	204	112003	3.342	ng	98
62) 4-Nitroaniline	15.533	138	28941	4.494	ng	# 79
63) Azobenzene	15.821	77	168872	3.148	ng	95
65) 4,6-Dinitro-2-methylph...	15.598	198	14150	7.675	ng	84
66) n-Nitrosodiphenylamine	15.739	169	176107	3.377	ng	99
67) 4-Bromophenyl-phenylether	16.421	248	63441	3.455	ng	96
68) Hexachlorobenzene	16.533	284	79381	3.661	ng	97
69) Atrazine	16.680	200	50730	2.963	ng	94
70) Pentachlorophenol	16.874	266	32874	2.435	ng	97
71) Phenanthrene	17.262	178	343896	3.647	ng	100
72) Anthracene	17.357	178	311549	3.319	ng	99
73) Carbazole	17.615	167	276388	3.254	ng	100
74) Di-n-butylphthalate	18.192	149	268393	2.887	ng	99
75) Fluoranthene	19.274	202	326246	3.183	ng	99
77) Benzidine	19.451	184	97140	2.329	ng	97
78) Pyrene	19.633	202	351084	3.352	ng	100
80) Butylbenzylphthalate	20.533	149	91978	2.663	ng	95
81) Benzo(a)anthracene	21.433	228	368527	3.458	ng	98
82) 3,3'-Dichlorobenzidine	21.350	252	94012	2.616	ng	97
83) Chrysene	21.492	228	369728	3.678	ng	98
84) Bis(2-ethylhexyl)phtha...	21.368	149	147535	2.691	ng	97
85) Di-n-octyl phthalate	22.515	149	185565	2.161	ng	# 95
87) Indeno(1,2,3-cd)pyrene	27.909	276	365758	3.148	ng	99
88) Benzo(b)fluoranthene	23.527	252	324875	3.232	ng	99
89) Benzo(k)fluoranthene	23.586	252	340957m	3.269	ng	
90) Benzo(a)pyrene	24.338	252	284518	3.024	ng	99
91) Dibenzo(a,h)anthracene	27.979	278	313485	3.204	ng	99
92) Benzo(g,h,i)perylene	28.979	276	304031	3.287	ng	97

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

Manual Integrations

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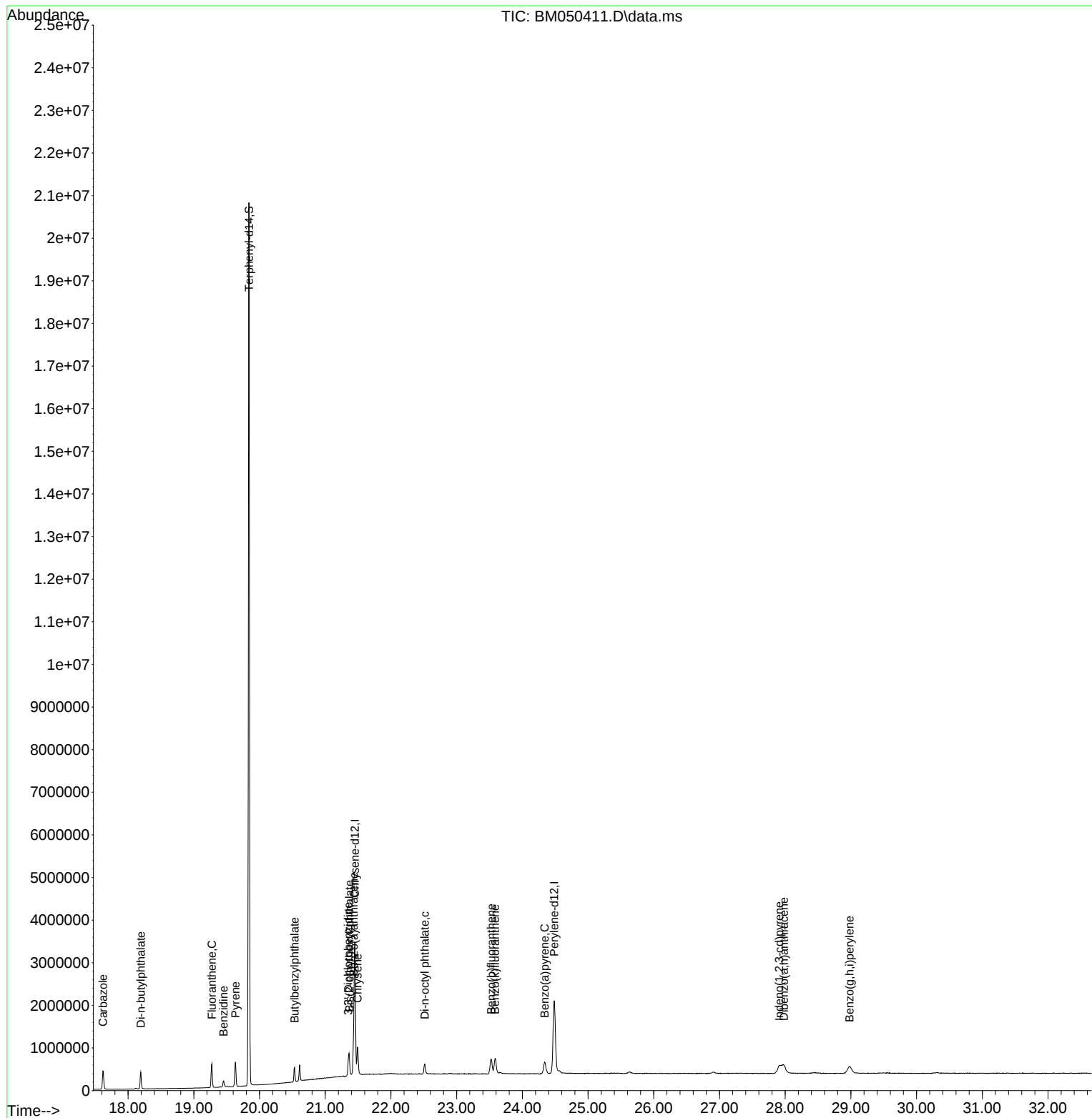
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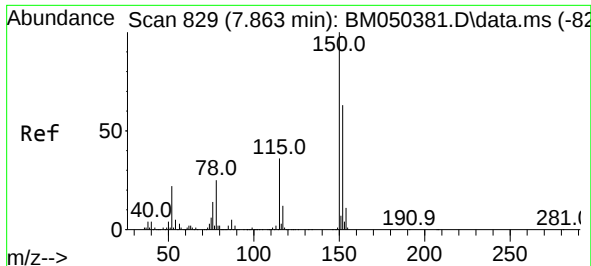
Instrument :
BNA_M
ClientSampleId :
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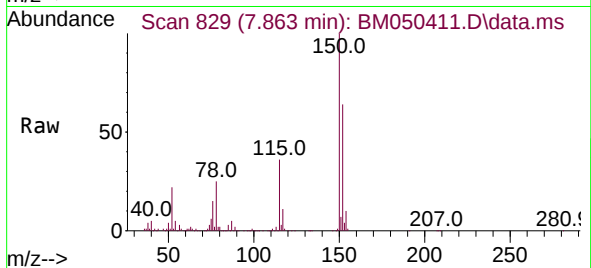
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

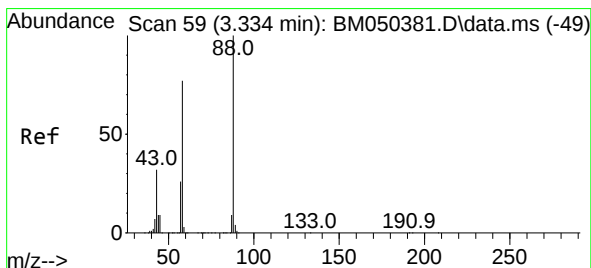
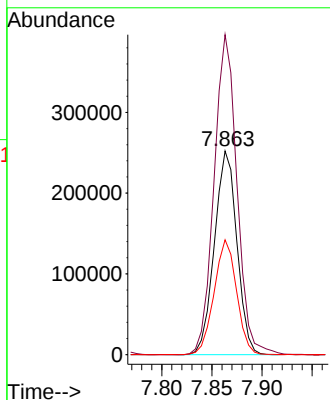
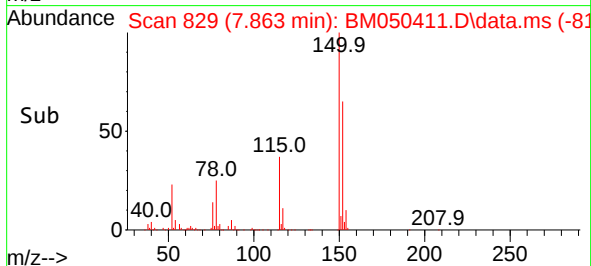
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 393674
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.4
115 56.4 45.8 68.8

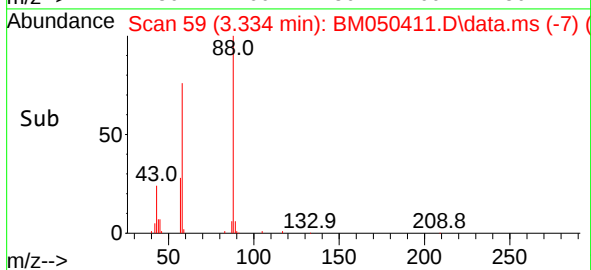
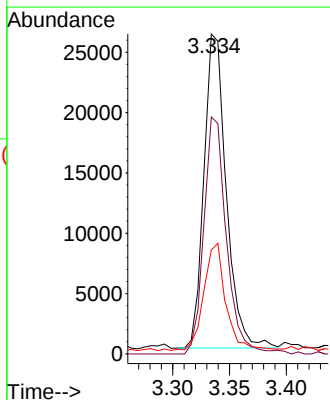
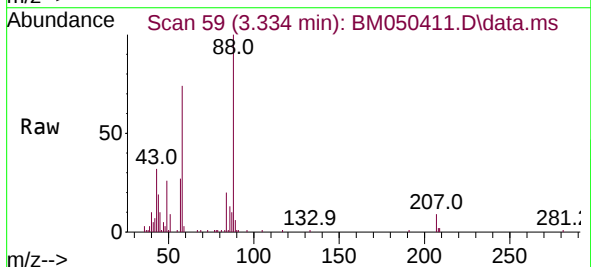
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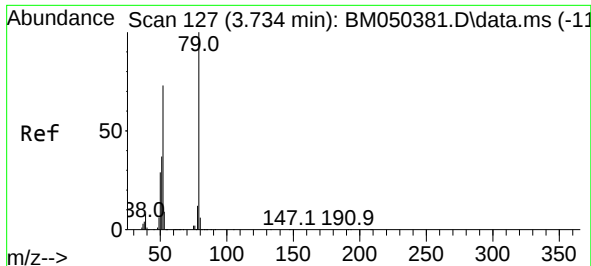
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Supervised By :Jagrut Upadhyay 07/14/2025



#2
1,4-Dioxane
Concen: 3.793 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

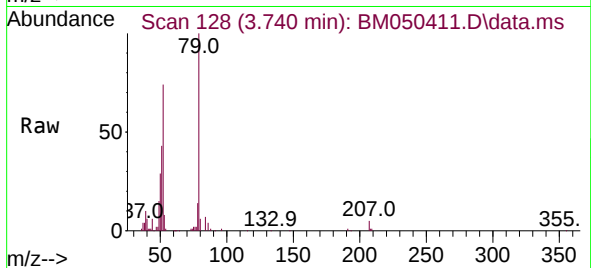
Tgt Ion: 88 Resp: 35673
Ion Ratio Lower Upper
88 100
58 76.3 61.0 91.6
43 33.5 24.6 37.0





#3
Pyridine
Concen: 3.578 ng
RT: 3.740 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

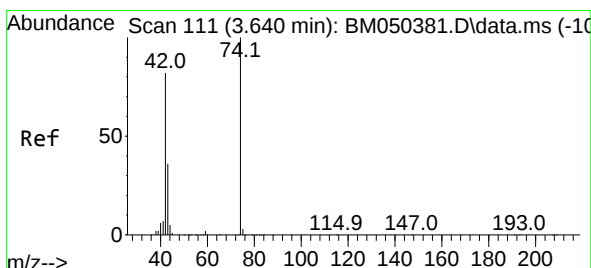
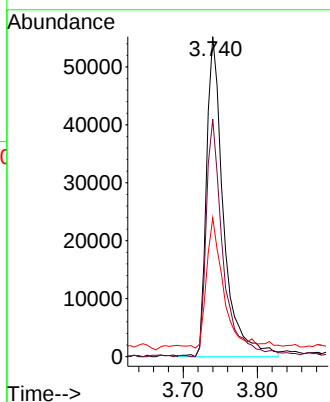
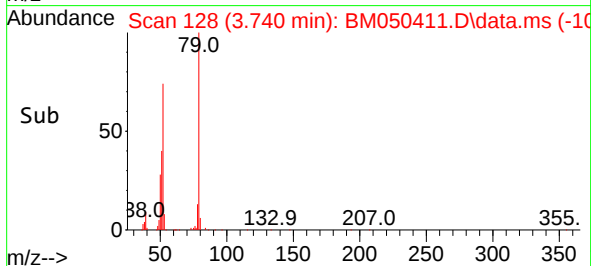
Instrument :
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Tgt Ion: 79 Resp: 88334
Ion Ratio Lower Upper
79 100
52 74.2 58.3 87.5
51 43.4 29.6 44.4

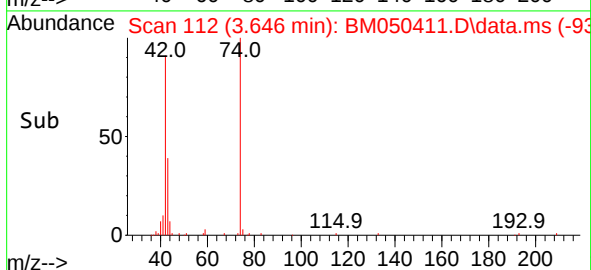
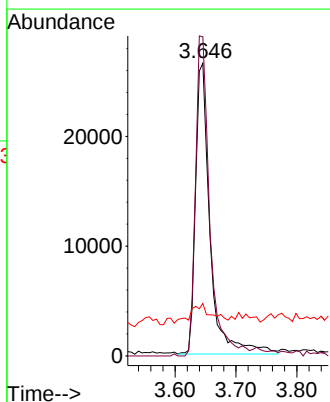
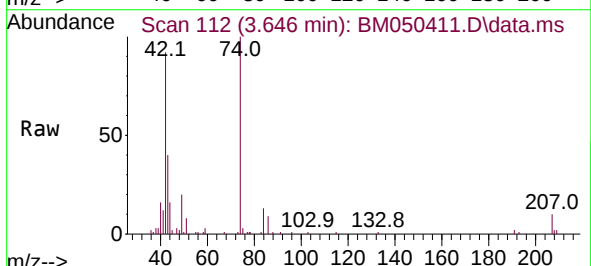
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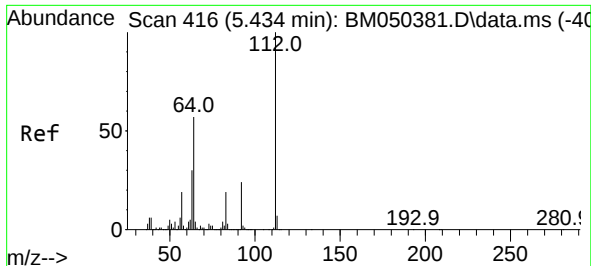
Reviewed By :Rahul Chavli 07/14/2025
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#4
n-Nitrosodimethylamine
Concen: 3.808 ng
RT: 3.646 min Scan# 112
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

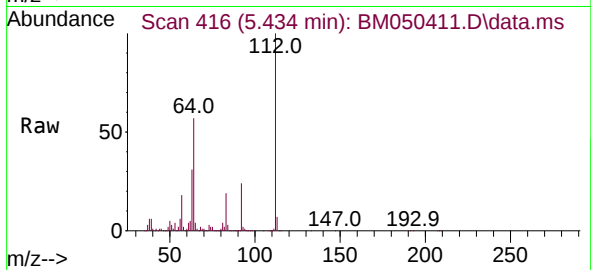
Tgt Ion: 42 Resp: 43833
Ion Ratio Lower Upper
42 100
74 109.0 97.5 146.3
44 17.9 5.7 8.5#





#5
2-Fluorophenol
Concen: 125.017 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

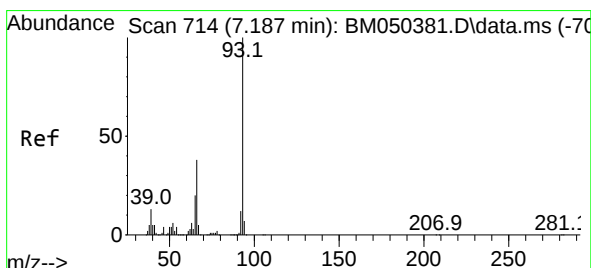
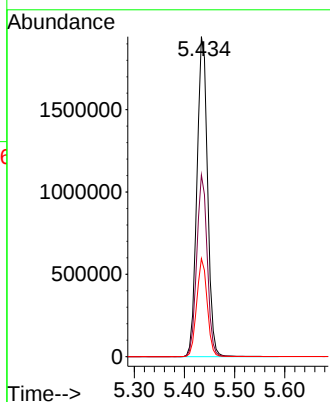
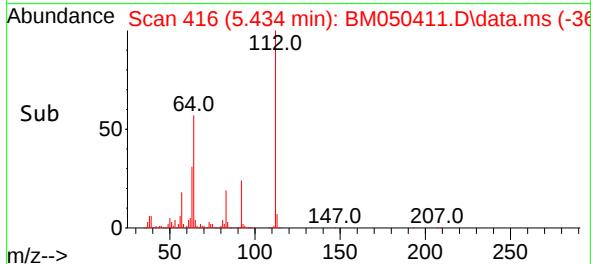
Instrument :
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Tgt Ion:112 Resp: 2859209
Ion Ratio Lower Upper
112 100
64 56.8 45.5 68.3
63 30.6 24.2 36.4

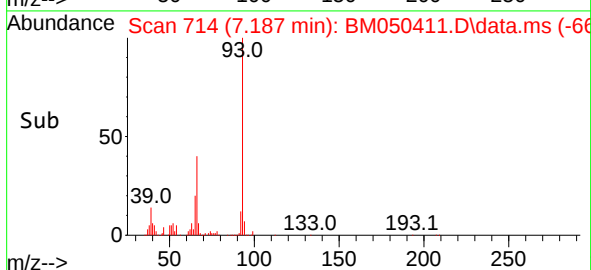
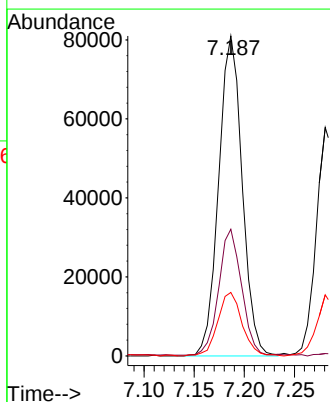
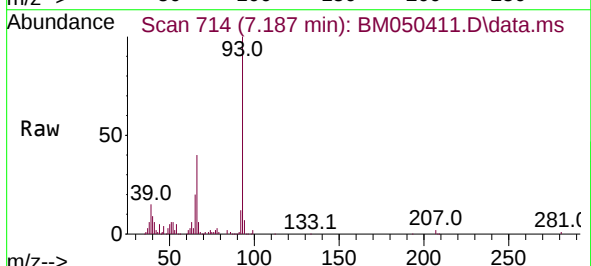
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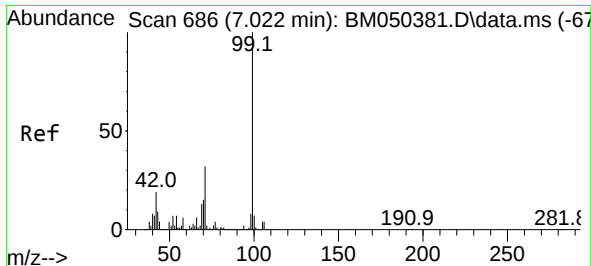
Reviewed By :Rahul Chavli 07/14/2025
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#6
Aniline
Concen: 3.579 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.012 min
Lab File: BM050411.D
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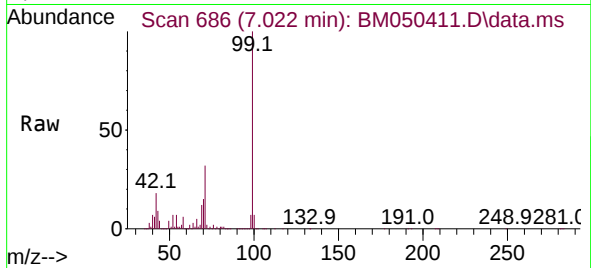
Tgt Ion: 93 Resp: 132437
Ion Ratio Lower Upper
93 100
66 39.6 30.5 45.7
65 19.8 15.9 23.9





#7
Phenol-d6
Concen: 124.663 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

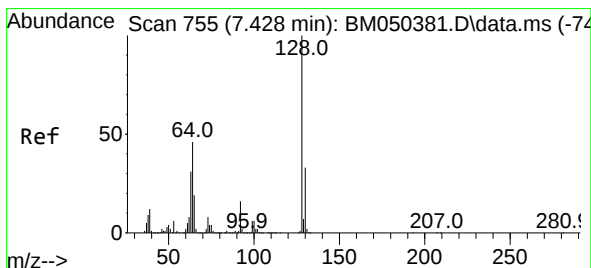
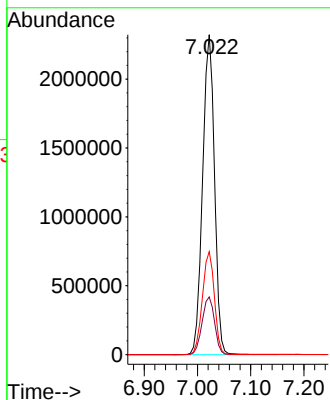
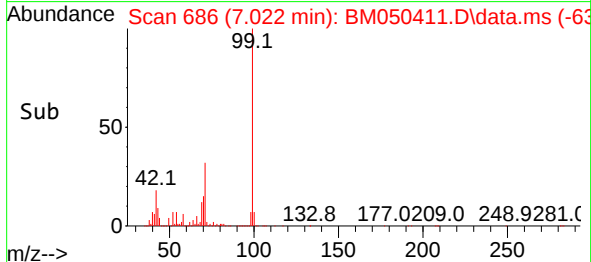
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 99 Resp: 3594130
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.6
71 32.2 25.9 38.9

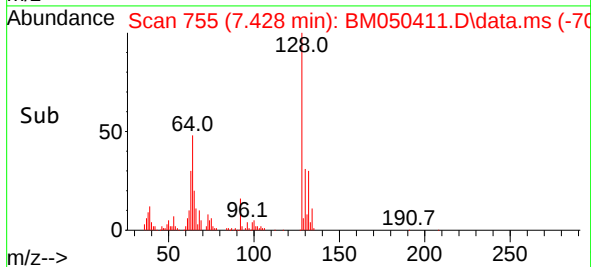
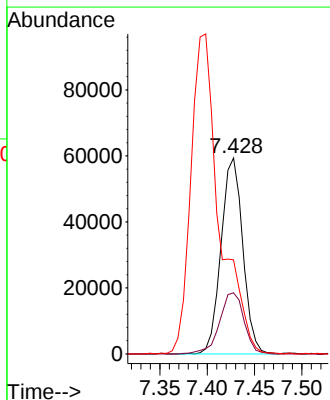
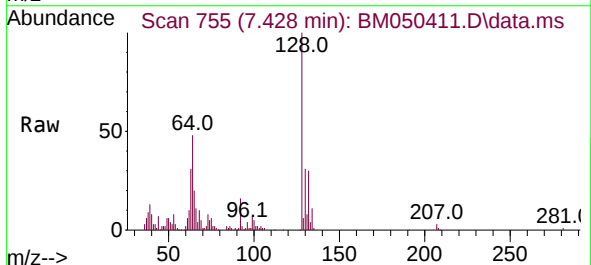
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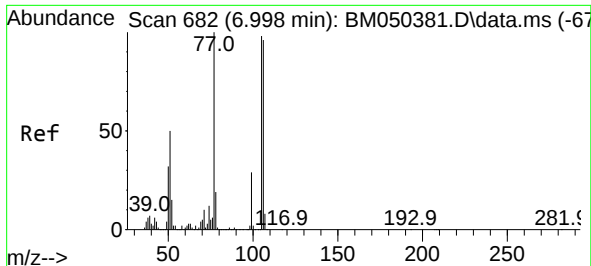
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#8
2-Chlorophenol
Concen: 3.930 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.012 min
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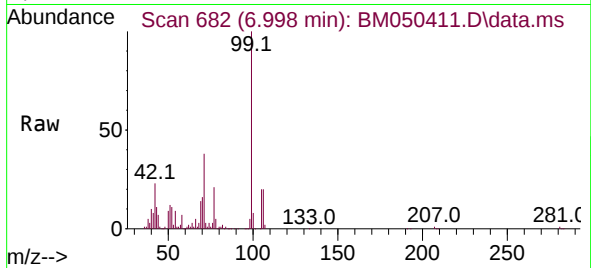
Tgt Ion:128 Resp: 94787
Ion Ratio Lower Upper
128 100
130 31.2 13.3 53.3
64 48.0 25.6 65.6





#9
Benzaldehyde
Concen: 4.845 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

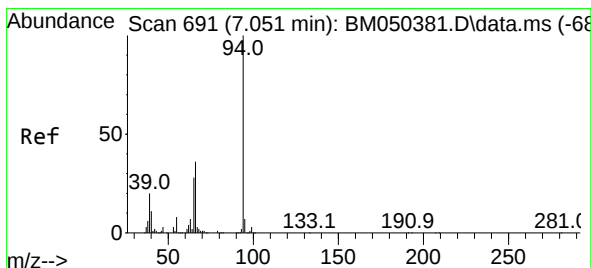
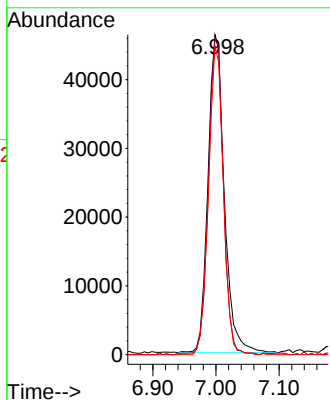
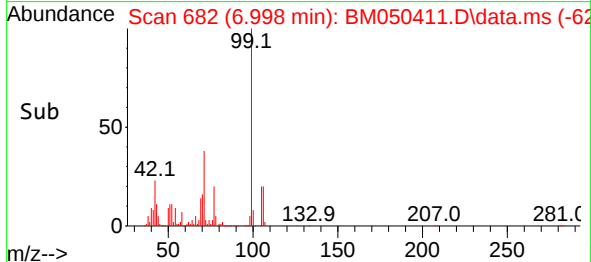
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 77 Resp: 83099
Ion Ratio Lower Upper
77 100
105 98.7 78.4 118.4
106 96.4 76.3 116.3

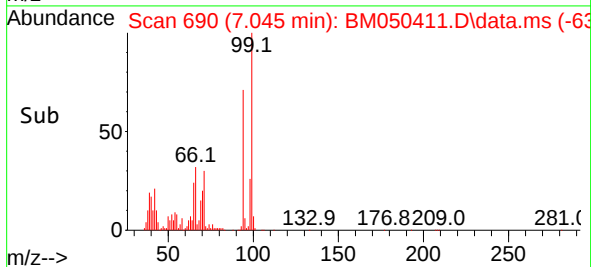
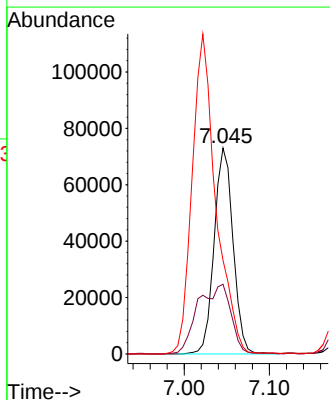
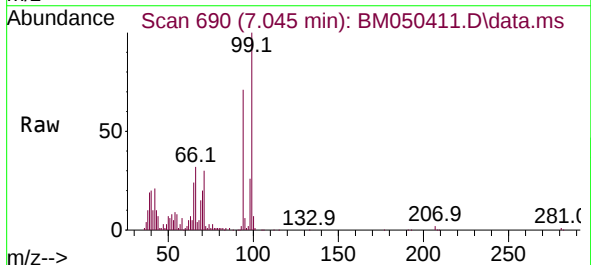
Manual Integrations
APPROVED

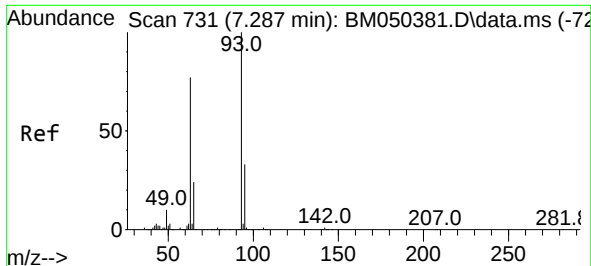
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#10
Phenol
Concen: 3.740 ng
RT: 7.045 min Scan# 690
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion: 94 Resp: 112476
Ion Ratio Lower Upper
94 100
65 33.9 8.1 48.1
66 45.5 15.8 55.8





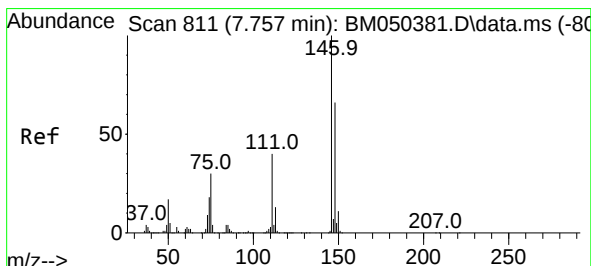
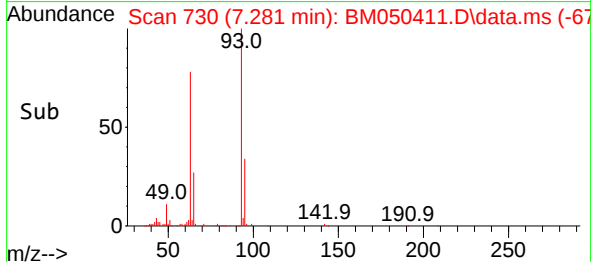
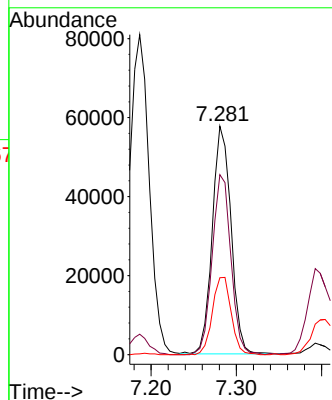
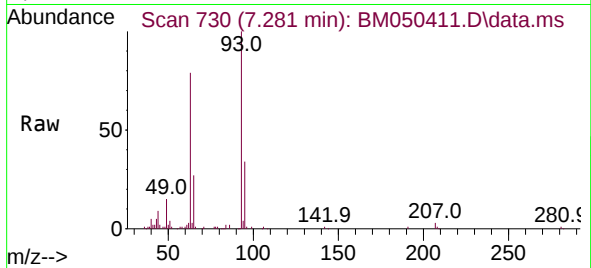
#11
bis(2-Chloroethyl)ether
Concen: 3.660 ng
RT: 7.281 min Scan# 731
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion: 93 Resp: 88134
Ion Ratio Lower Upper
93 100
63 78.8 56.9 96.9
95 33.6 12.6 52.6

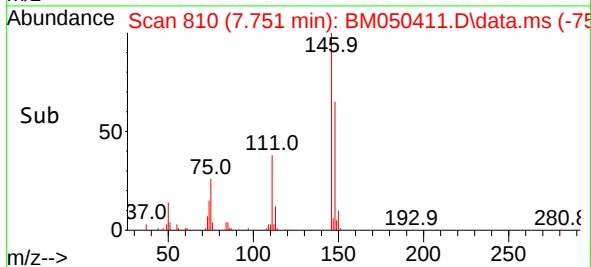
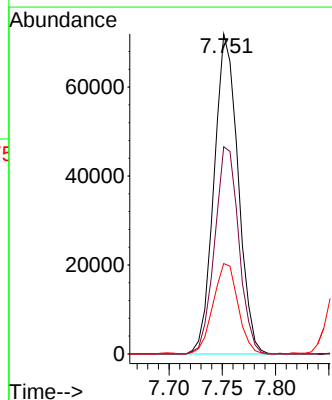
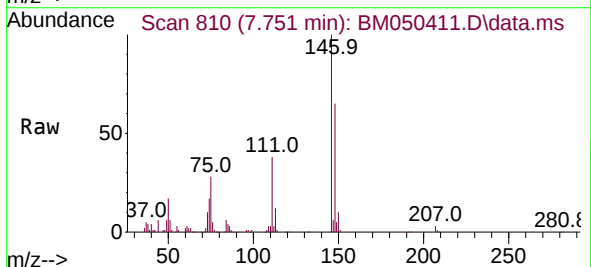
Manual Integrations
APPROVED

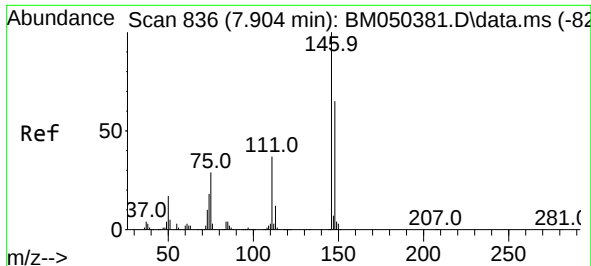
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#12
1,3-Dichlorobenzene
Concen: 3.853 ng
RT: 7.751 min Scan# 810
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:146 Resp: 112984
Ion Ratio Lower Upper
146 100
148 64.7 53.2 79.8
75 28.3 23.9 35.9





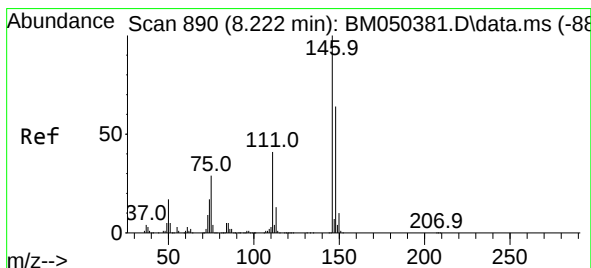
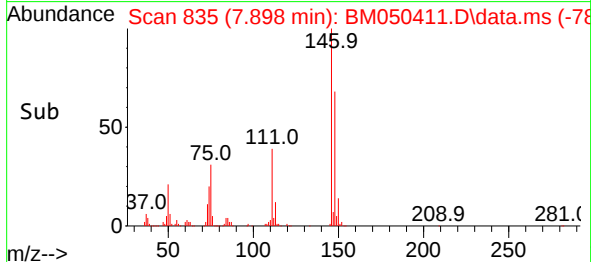
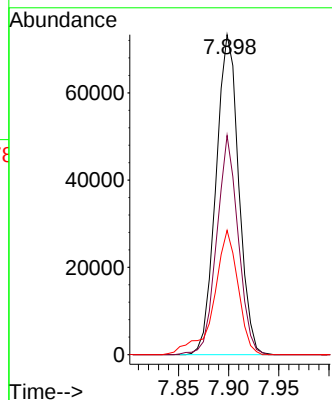
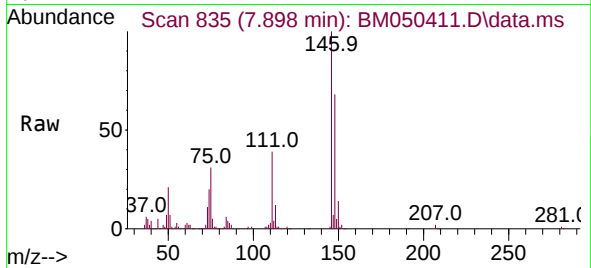
#13
1,4-Dichlorobenzene
Concen: 3.870 ng
RT: 7.898 min Scan# 836
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:146 Resp: 115865
Ion Ratio Lower Upper
146 100
148 68.5 51.9 77.9
111 38.8 30.0 45.0

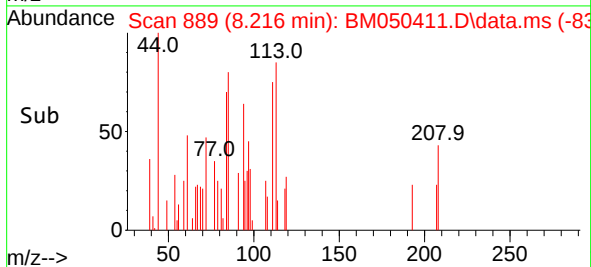
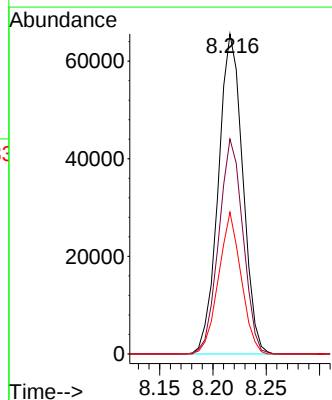
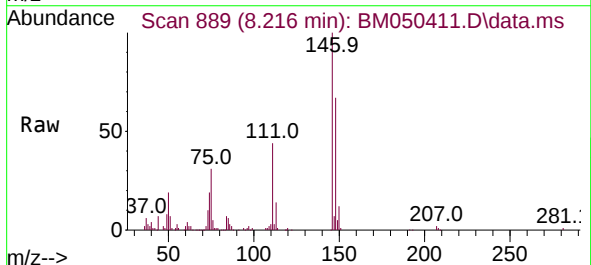
Manual Integrations
APPROVED

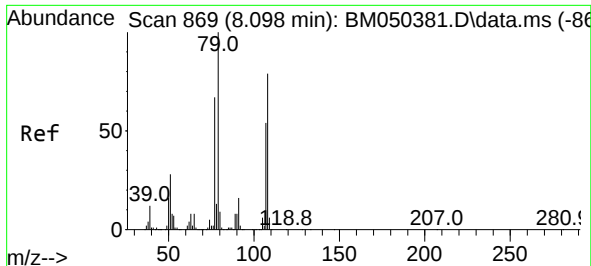
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#14
1,2-Dichlorobenzene
Concen: 3.647 ng
RT: 8.216 min Scan# 889
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

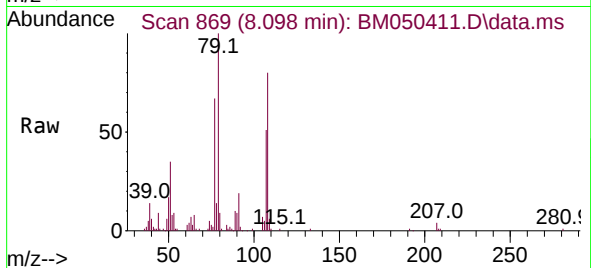
Tgt Ion:146 Resp: 104535
Ion Ratio Lower Upper
146 100
148 67.1 51.5 77.3
111 44.3 32.6 49.0





#15
Benzyl Alcohol
Concen: 3.443 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

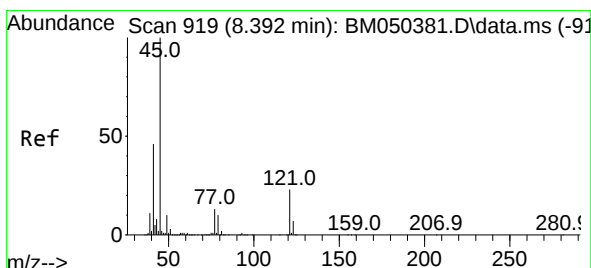
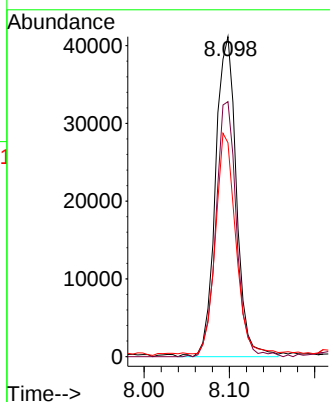
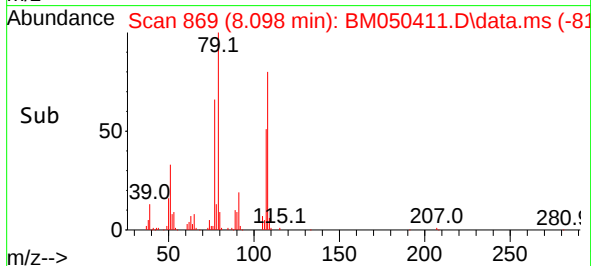
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



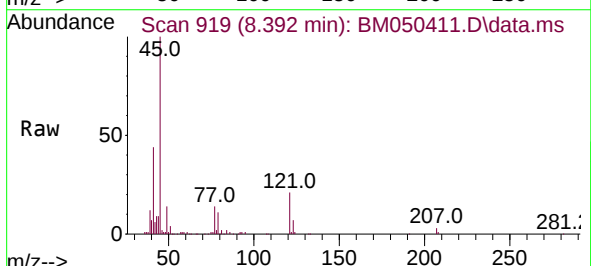
Tgt Ion: 79 Resp: 69942
Ion Ratio Lower Upper
79 100
108 79.7 63.0 94.4
77 66.8 53.4 80.0

Manual Integrations
APPROVED

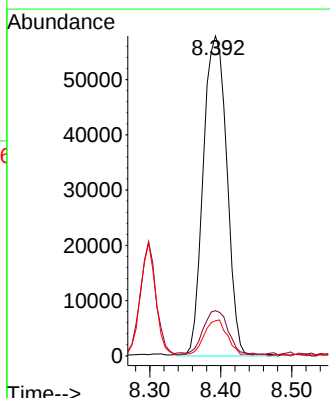
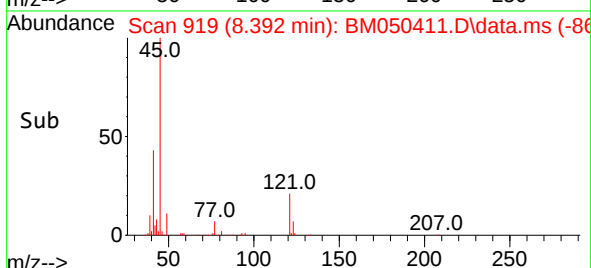
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

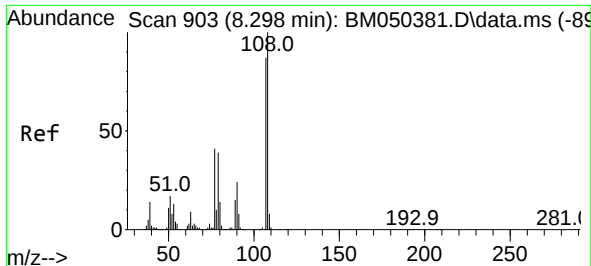


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.764 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



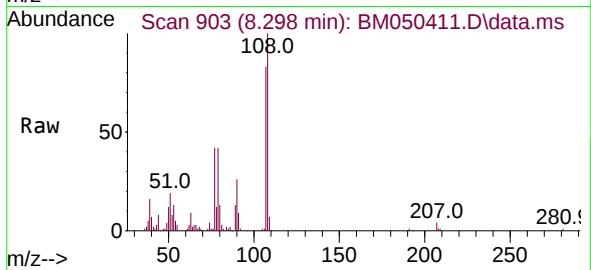
Tgt Ion: 45 Resp: 133526
Ion Ratio Lower Upper
45 100
77 14.1 0.0 33.5
79 11.0 0.0 30.3





#17
2-Methylphenol
Concen: 3.292 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

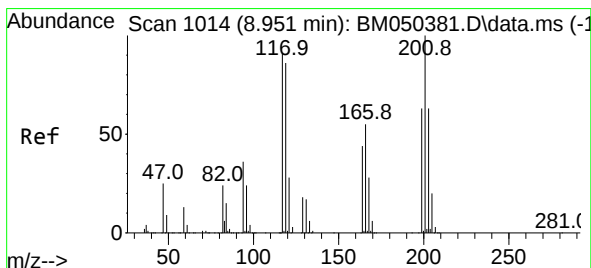
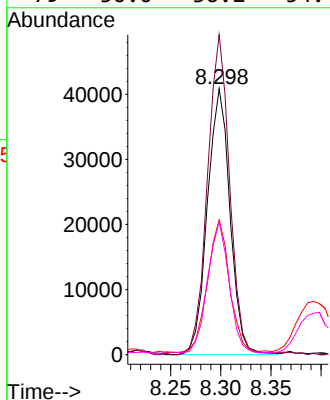
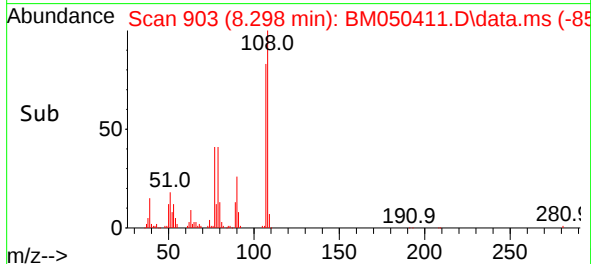
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:	107	Resp:	6420
Ion Ratio	Lower	Upper	
107	100		
108	120.4	92.1	138.1
77	50.7	38.2	57.4
79	50.0	36.2	54.4

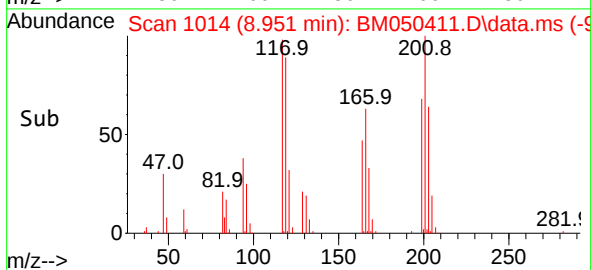
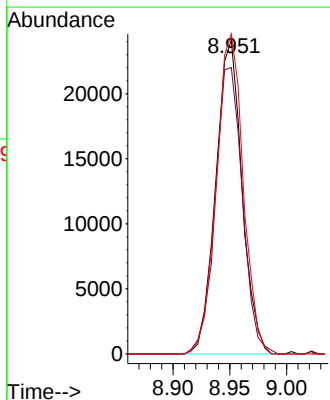
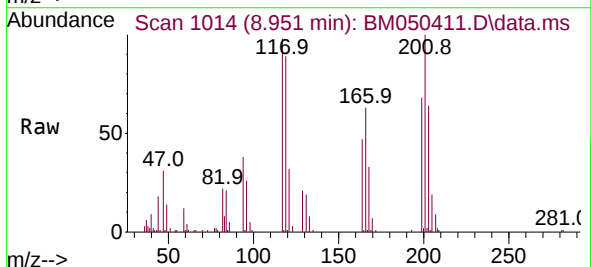
Manual Integrations
APPROVED

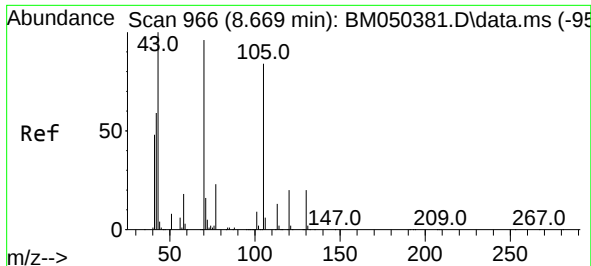
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#18
Hexachloroethane
Concen: 3.661 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

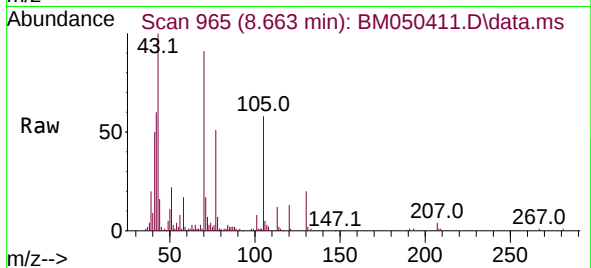
Tgt Ion:	117	Resp:	38555
Ion Ratio	Lower	Upper	
117	100		
119	91.3	75.6	113.4
201	102.0	87.9	131.9





#19
n-Nitroso-di-n-propylamine
Concen: 3.274 ng
RT: 8.663 min Scan# 90
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

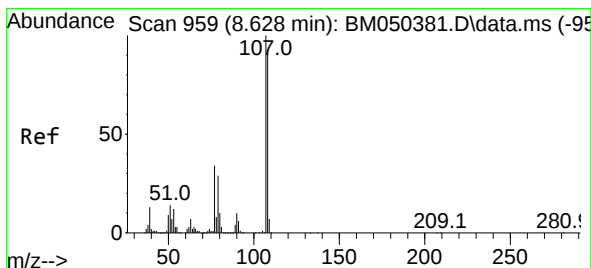
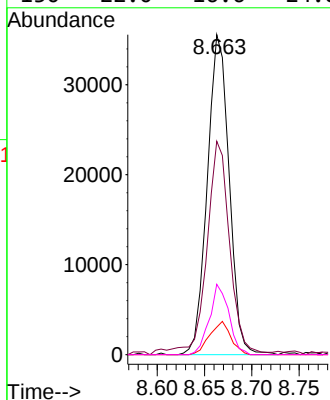
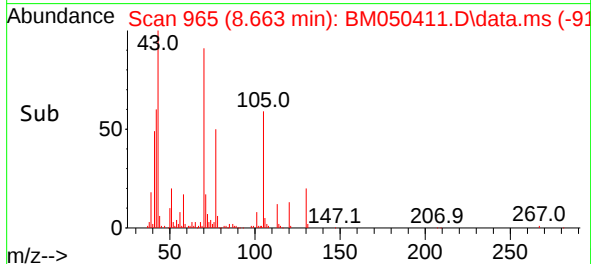
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



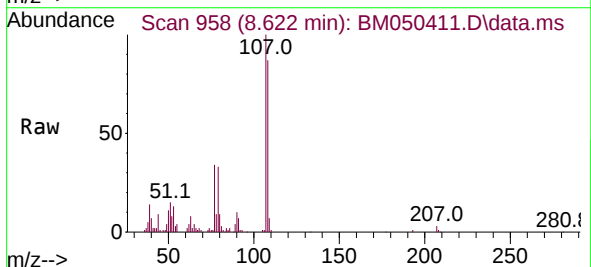
Tgt Ion: 70 Resp: 57180
Ion Ratio Lower Upper
70 100
42 66.7 49.7 74.5
101 8.6 7.7 11.5
130 22.0 16.6 24.8

Manual Integrations
APPROVED

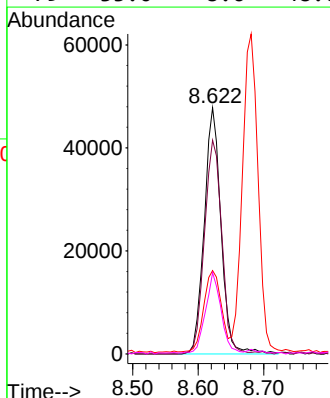
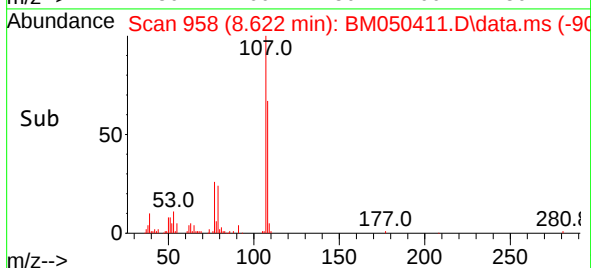
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

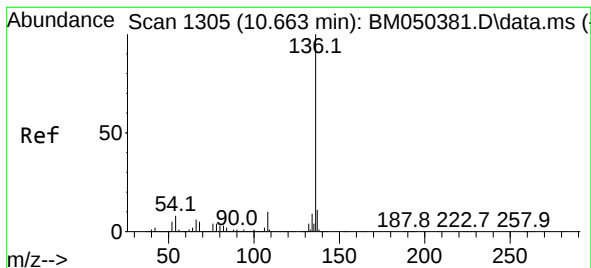


#20
3+4-Methylphenols
Concen: 3.245 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



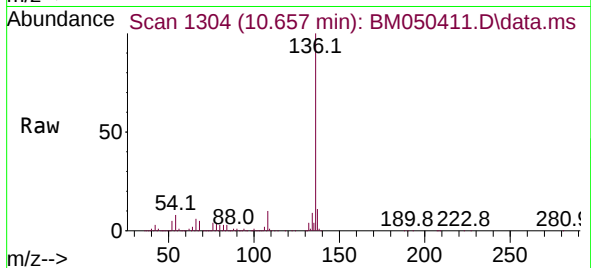
Tgt Ion:107 Resp: 84955
Ion Ratio Lower Upper
107 100
108 86.8 71.5 111.5
77 33.8 13.7 53.7
79 33.0 8.6 48.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

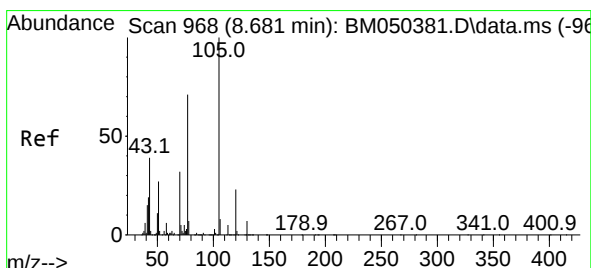
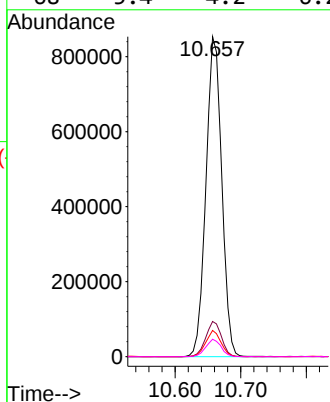
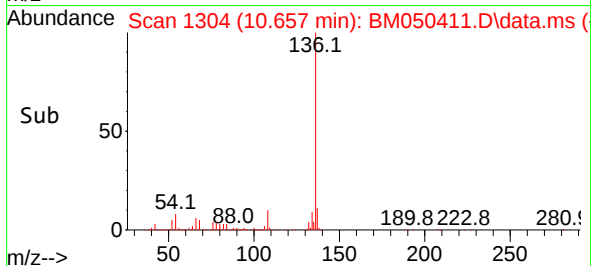
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 1424630
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 6.3 9.5
68 5.4 4.2 6.2

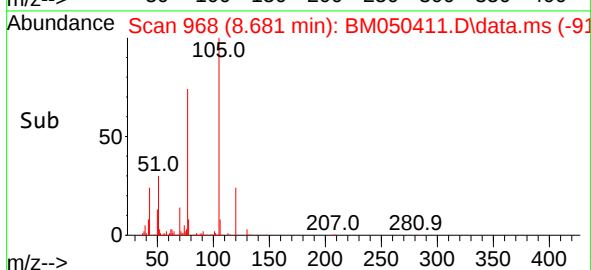
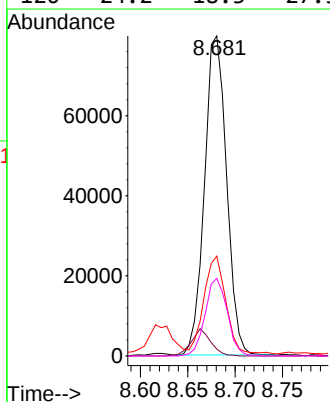
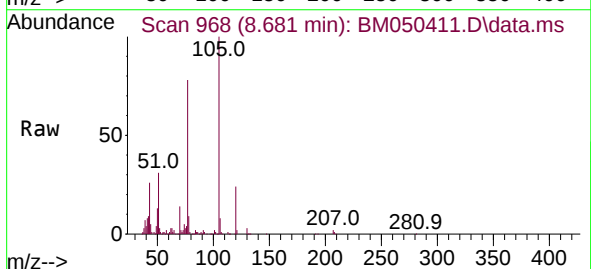
Manual Integrations
APPROVED

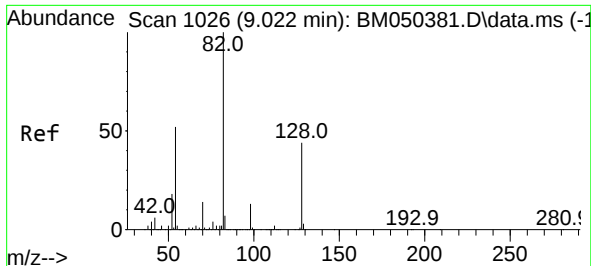
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#22
Acetophenone
Concen: 3.639 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:105 Resp: 129608
Ion Ratio Lower Upper
105 100
71 2.1 4.4 6.6#
51 31.2 23.0 34.6
120 24.2 18.3 27.5





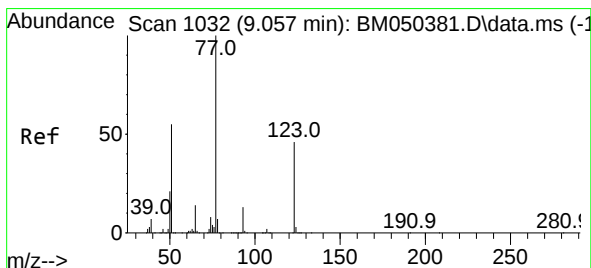
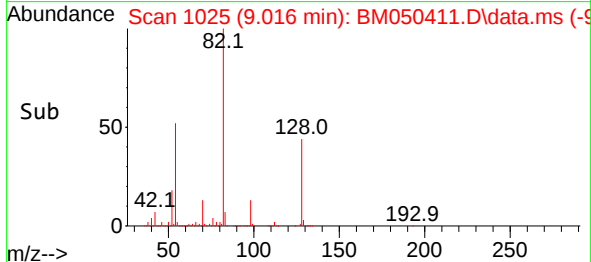
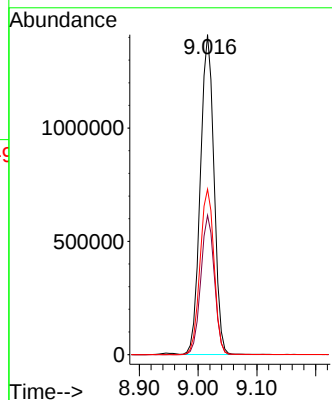
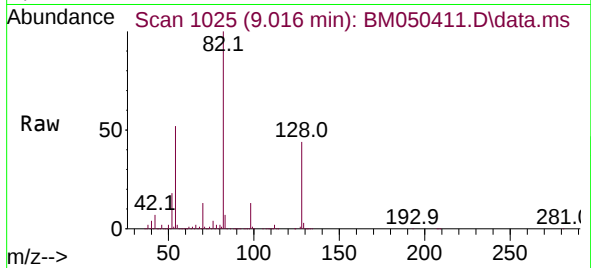
#23
Nitrobenzene-d5
Concen: 81.406 ng
RT: 9.016 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion: 82 Resp: 2273172
Ion Ratio Lower Upper
82 100
128 43.5 35.2 52.8
54 51.7 41.5 62.3

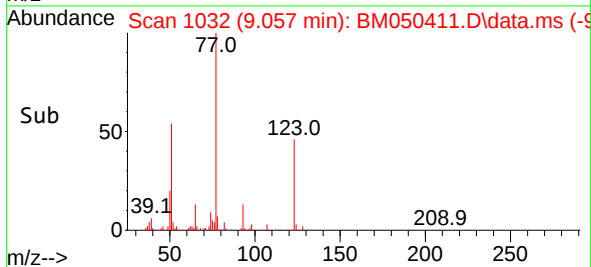
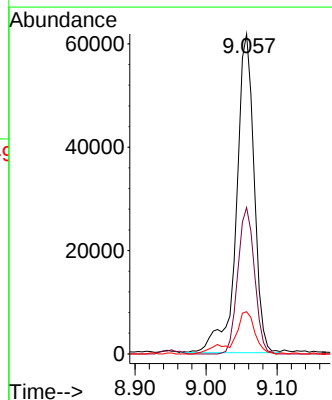
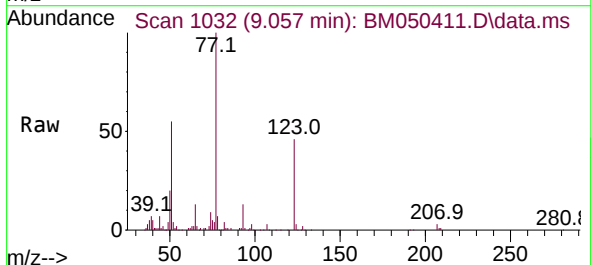
Manual Integrations
APPROVED

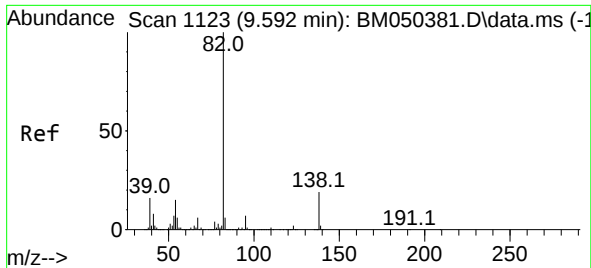
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#24
Nitrobenzene
Concen: 4.273 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion: 77 Resp: 106486
Ion Ratio Lower Upper
77 100
123 45.7 37.0 55.6
65 13.2 11.0 16.4





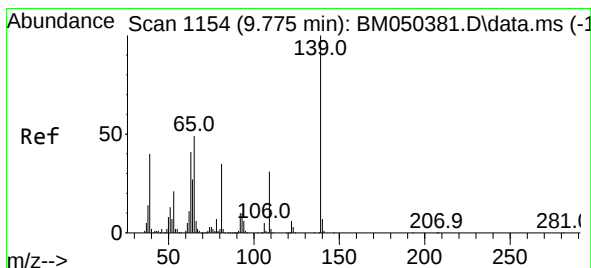
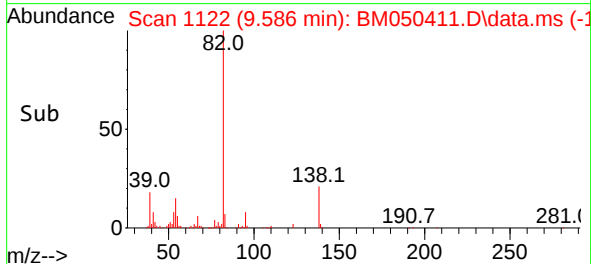
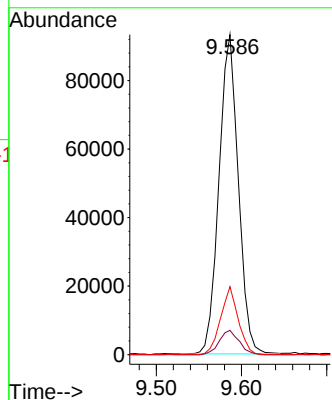
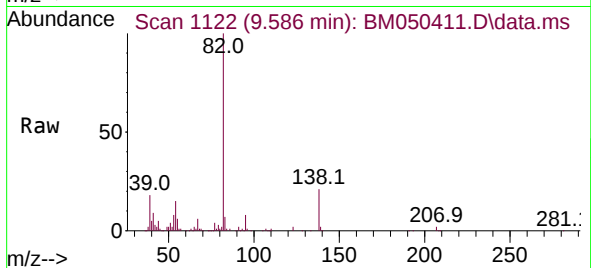
#25
Isophorone
Concen: 3.241 ng
RT: 9.586 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion: 82 Resp: 146863
Ion Ratio Lower Upper
82 100
95 7.6 5.6 8.4
138 21.2 15.3 22.9

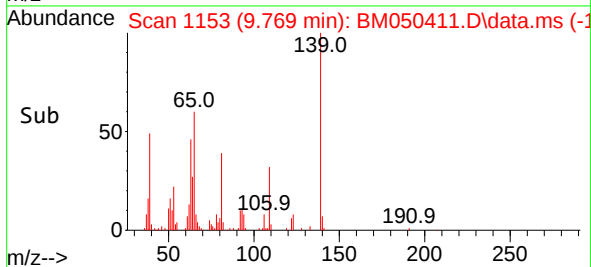
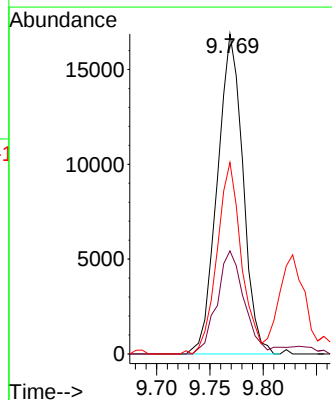
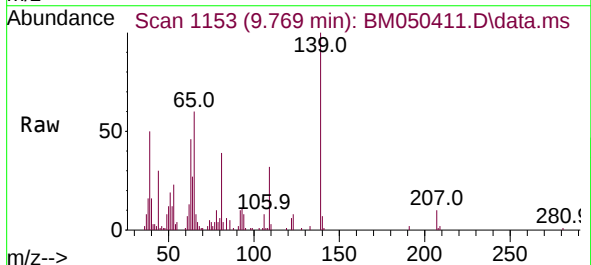
Manual Integrations
APPROVED

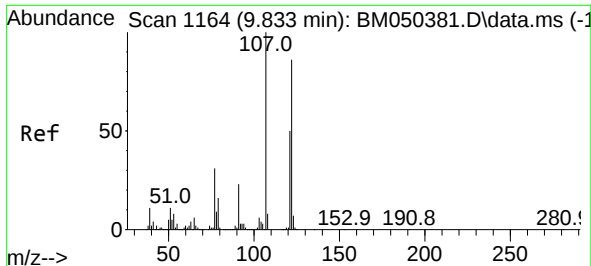
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#26
2-Nitrophenol
Concen: 2.782 ng
RT: 9.769 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:139 Resp: 28256
Ion Ratio Lower Upper
139 100
109 32.2 24.6 36.8
65 59.8 39.2 58.8#





#27

2,4-Dimethylphenol

Concen: 3.512 ng

RT: 9.828 min Scan# 1163

Delta R.T. 0.012 min

Lab File: BM050411.D

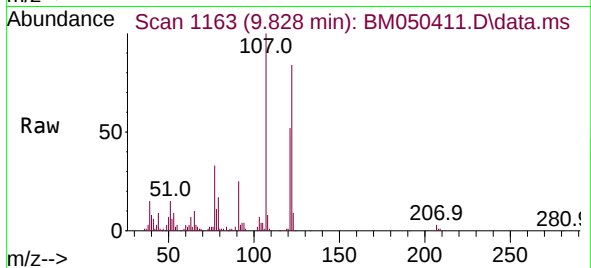
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



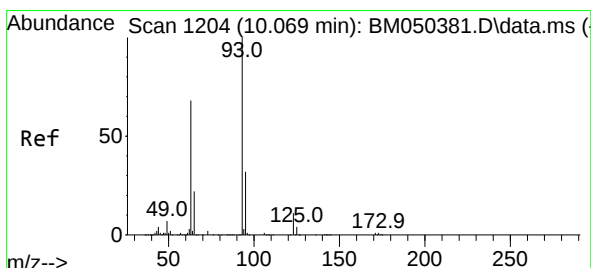
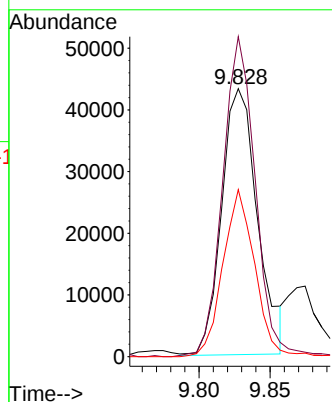
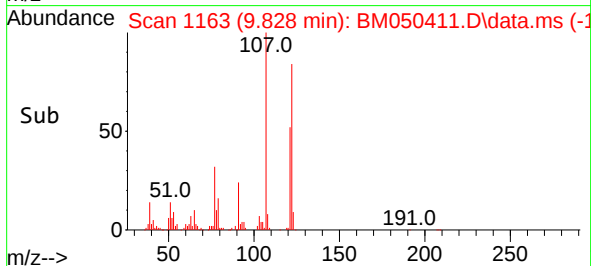
Tgt Ion:	122	Resp:	75893
Ion Ratio	Lower	Upper	
122	100		
107	119.5	93.0	139.6
121	62.3	46.1	69.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#28

bis(2-Chloroethoxy)methane

Concen: 3.592 ng

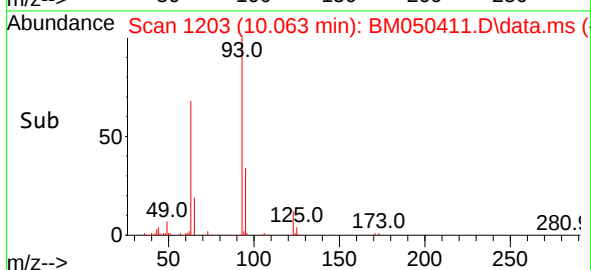
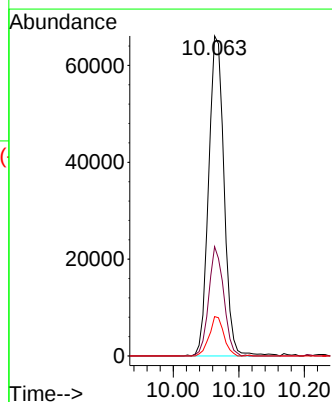
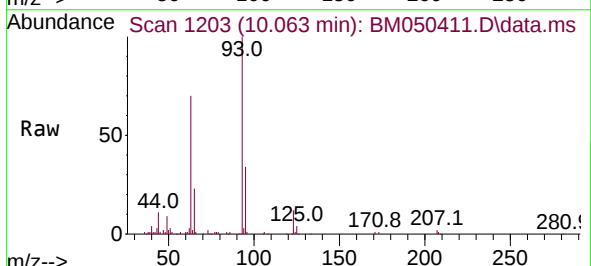
RT: 10.063 min Scan# 1203

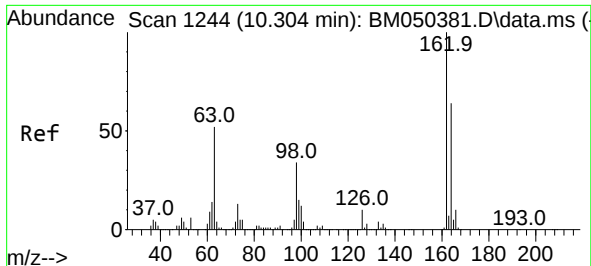
Delta R.T. 0.012 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:	93	Resp:	107848
Ion Ratio	Lower	Upper	
93	100		
95	34.1	25.8	38.6
123	12.3	9.1	13.7





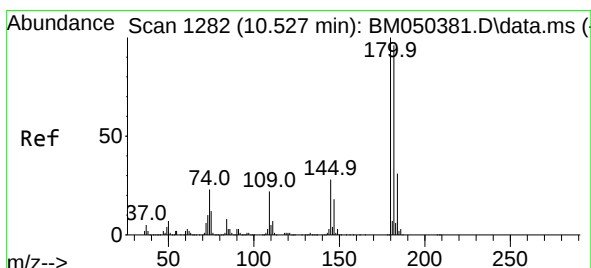
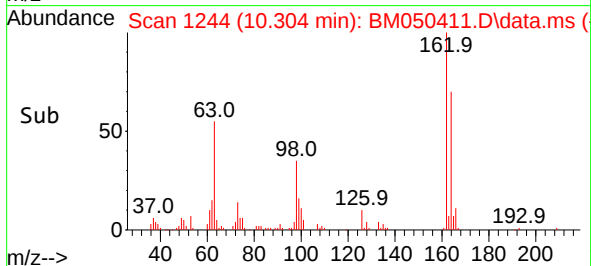
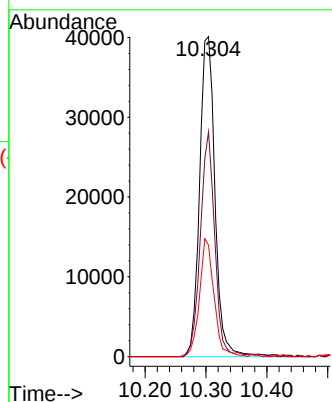
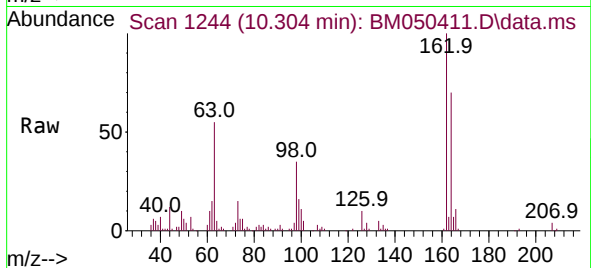
#29
2,4-Dichlorophenol
Concen: 3.174 ng
RT: 10.304 min Scan# 1244
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:162 Resp: 70462
Ion Ratio Lower Upper
162 100
164 70.2 43.7 83.7
98 34.8 13.7 53.7

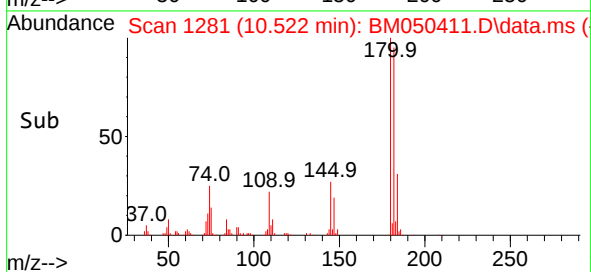
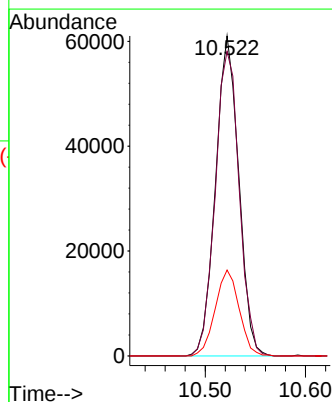
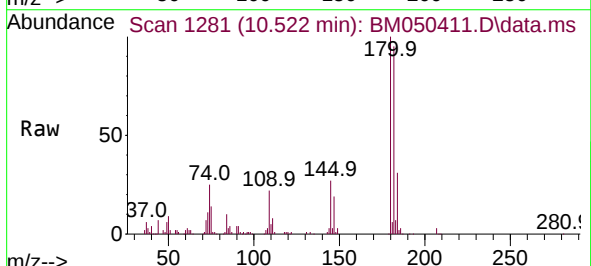
Manual Integrations
APPROVED

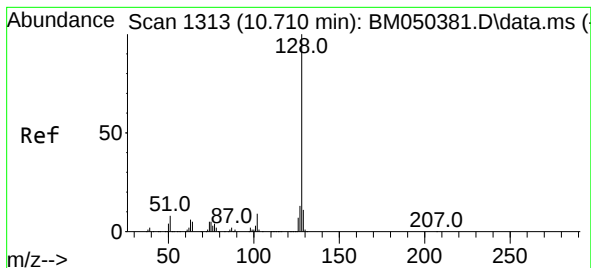
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#30
1,2,4-Trichlorobenzene
Concen: 3.694 ng
RT: 10.522 min Scan# 1281
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

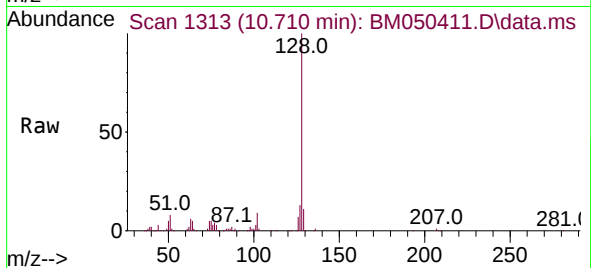
Tgt Ion:180 Resp: 98096
Ion Ratio Lower Upper
180 100
182 95.2 76.8 115.2
145 26.8 22.6 33.8





#31
Naphthalene
Concen: 3.711 ng
RT: 10.710 min Scan# 1313
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

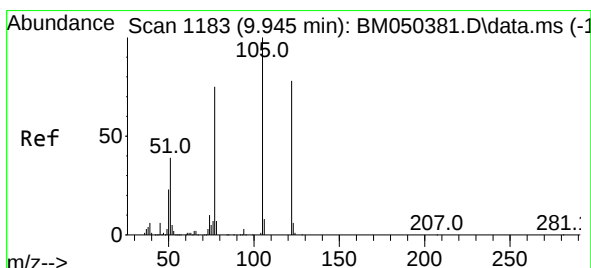
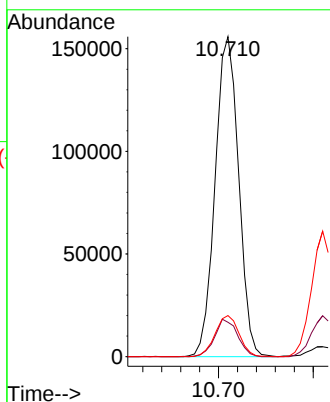
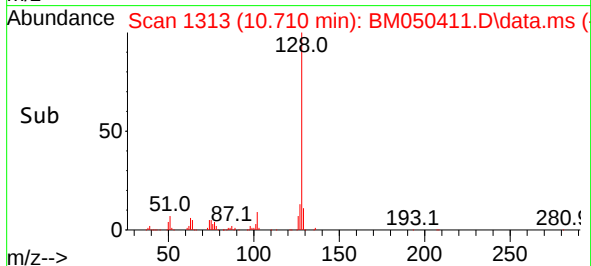
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



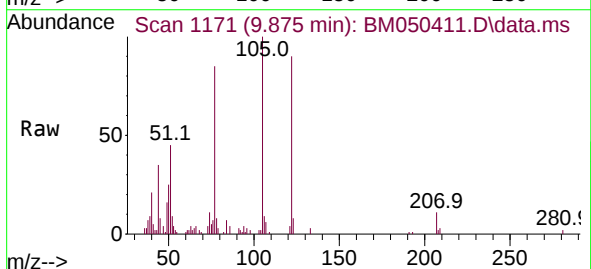
Tgt Ion:128 Resp: 268531
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.4 15.6

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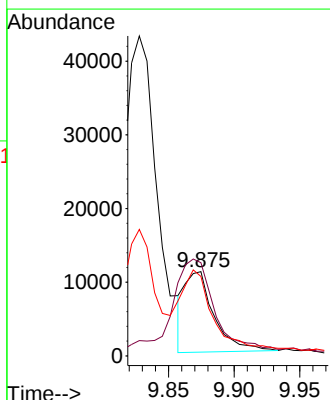
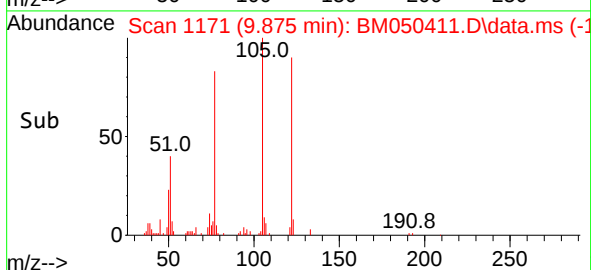
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

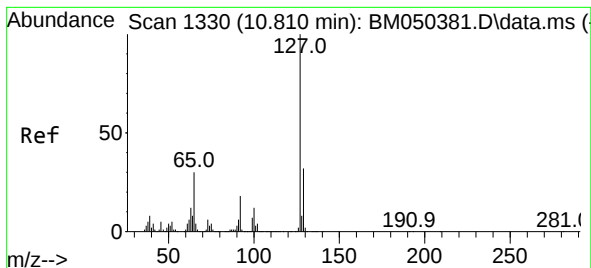


#32
Benzoic acid
Concen: 7.111 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.059 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



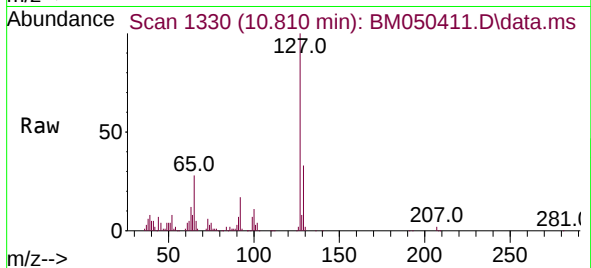
Tgt Ion:122 Resp: 17220
Ion Ratio Lower Upper
122 100
105 110.7 104.0 144.0
77 94.3 73.8 113.8





#33
4-Chloroaniline
Concen: 3.332 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

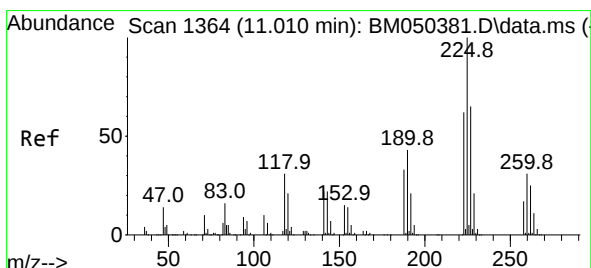
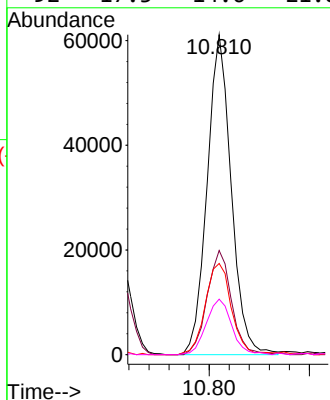
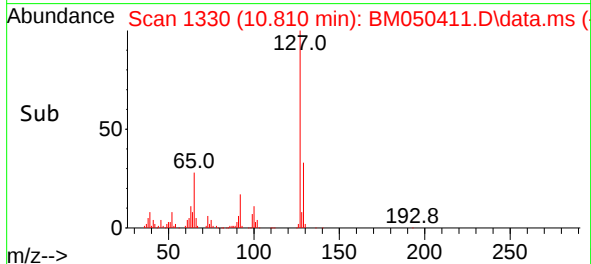
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:127 Resp: 101939
Ion Ratio Lower Upper
127 100
129 32.5 25.5 38.3
65 28.5 23.9 35.9
92 17.3 14.6 21.8

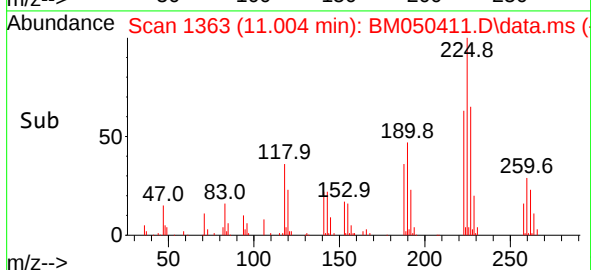
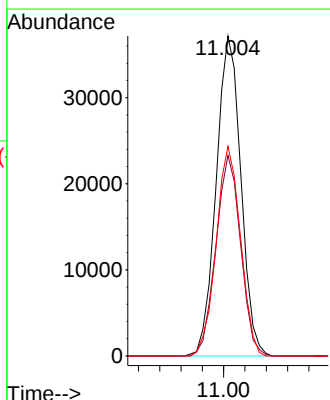
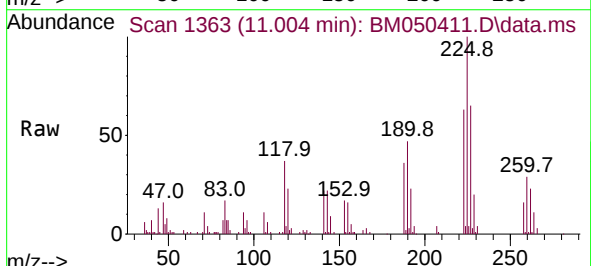
Manual Integrations
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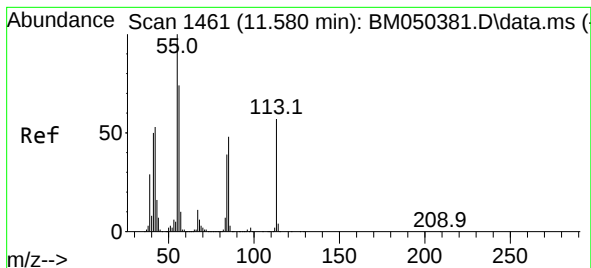
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#34
Hexachlorobutadiene
Concen: 3.686 ng
RT: 11.004 min Scan# 1363
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

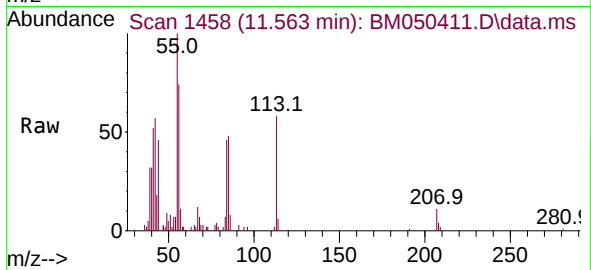
Tgt Ion:225 Resp: 59744
Ion Ratio Lower Upper
225 100
223 60.0 49.7 74.5
227 62.8 52.1 78.1





#35
Caprolactam
Concen: 2.455 ng
RT: 11.563 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

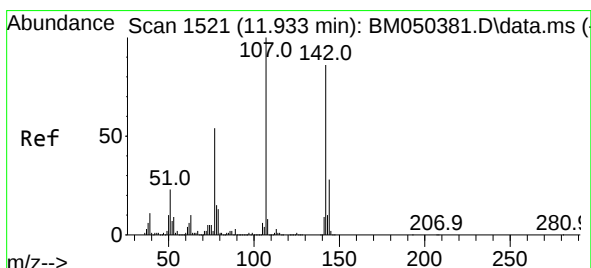
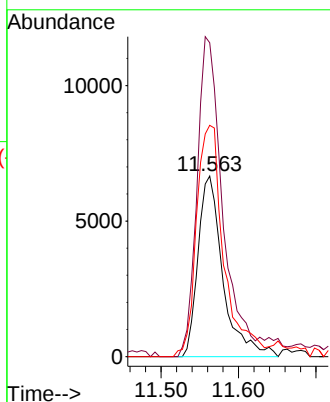
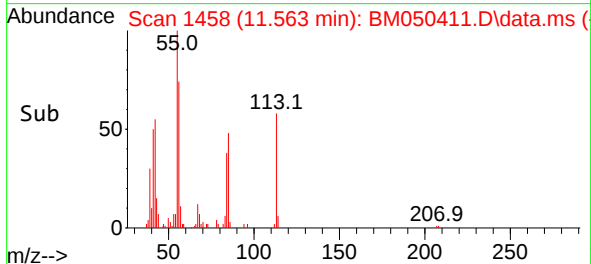
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:113 Resp: 14880
Ion Ratio Lower Upper
113 100
55 173.9 157.2 197.2
56 128.1 111.7 151.7

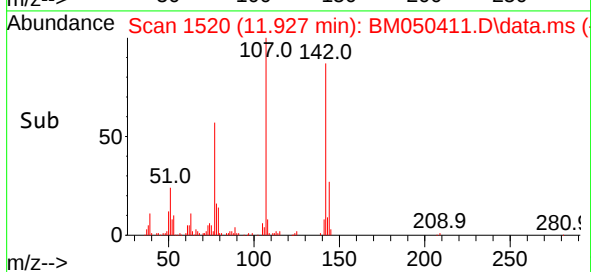
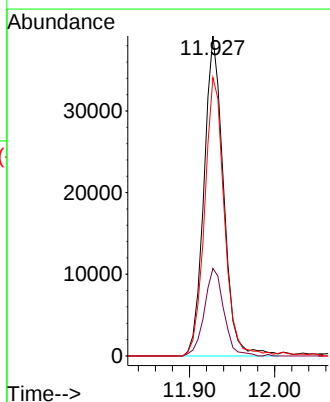
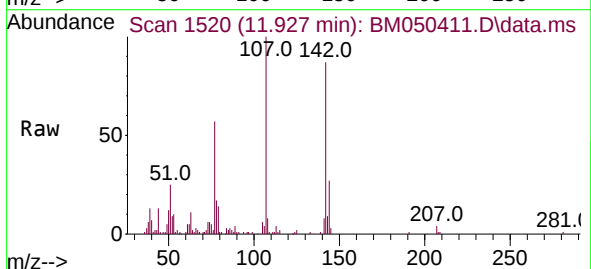
Manual Integrations
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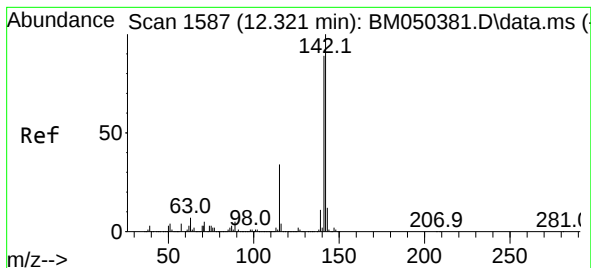
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#36
4-Chloro-3-methylphenol
Concen: 3.009 ng
RT: 11.927 min Scan# 1520
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

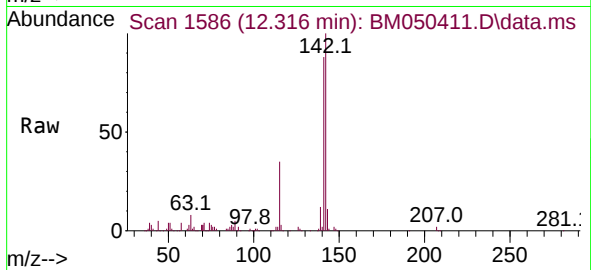
Tgt Ion:107 Resp: 62385
Ion Ratio Lower Upper
107 100
144 27.3 22.2 33.4
142 87.0 68.7 103.1





#37
2-Methylnaphthalene
Concen: 3.472 ng
RT: 12.316 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

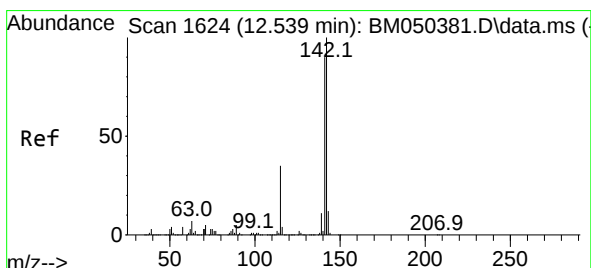
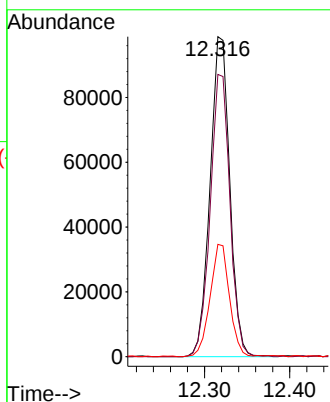
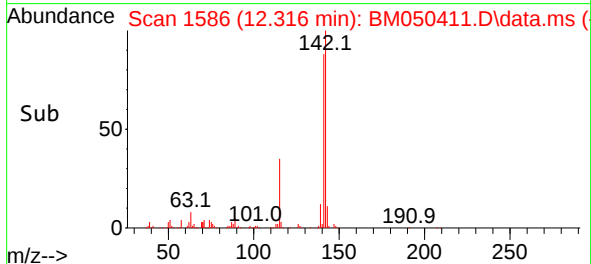
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



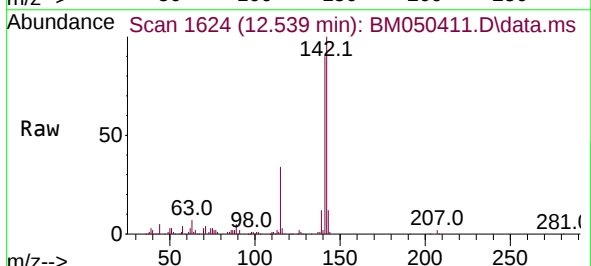
Tgt Ion:142 Resp: 158649
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2
115 35.1 27.0 40.4

Manual Integrations
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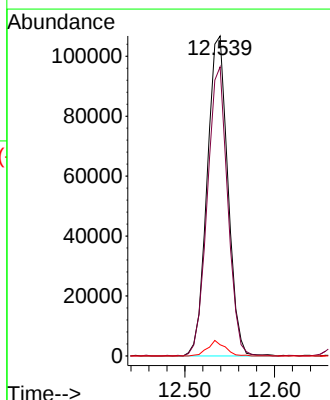
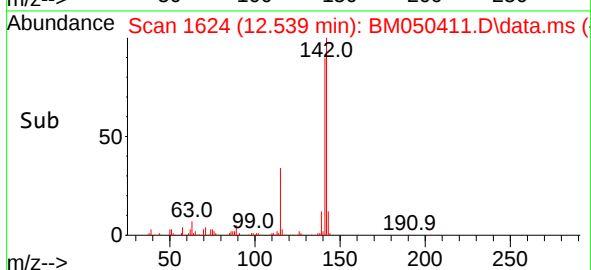
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

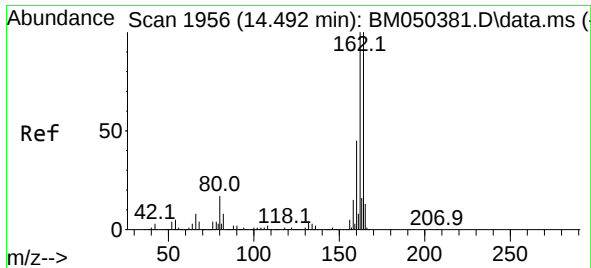


#38
1-Methylnaphthalene
Concen: 3.556 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



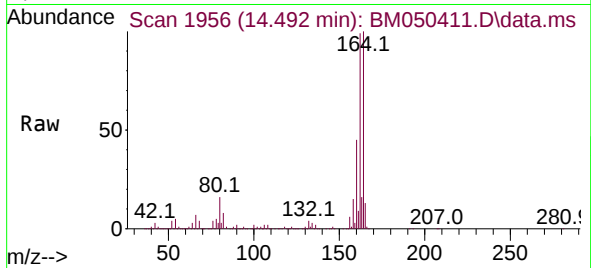
Tgt Ion:142 Resp: 171944
Ion Ratio Lower Upper
142 100
141 90.3 71.9 107.9
116 3.5 3.0 4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

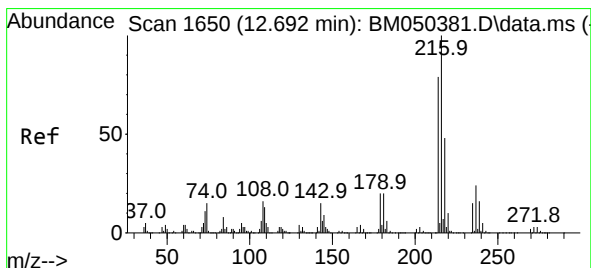
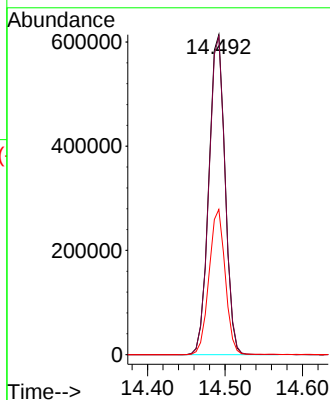
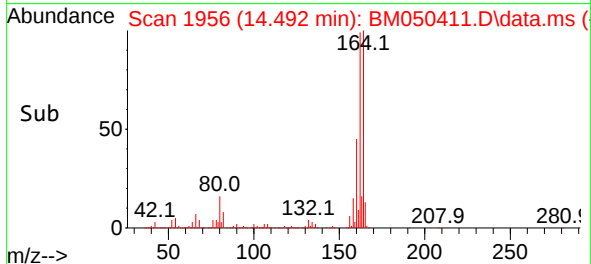
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



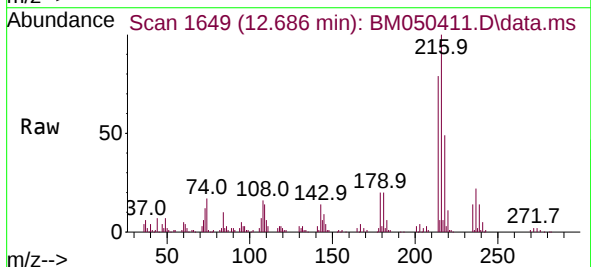
Tgt Ion:164 Resp: 888444
Ion Ratio Lower Upper
164 100
162 99.5 79.9 119.9
160 45.4 36.2 54.4

Manual Integrations
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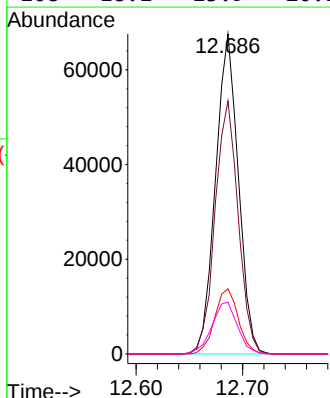
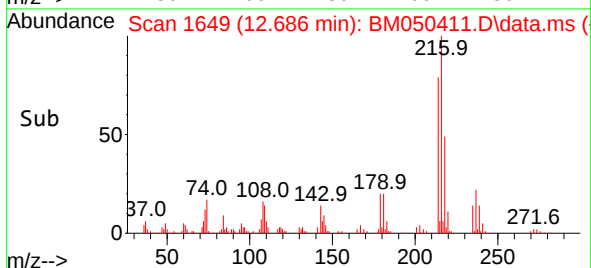
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

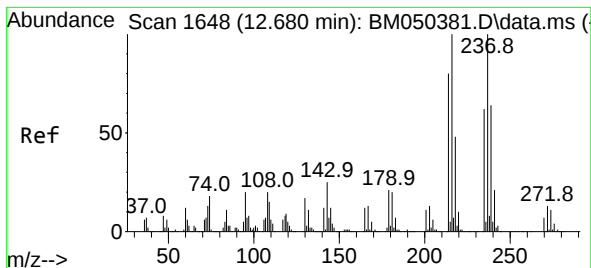


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.559 ng
RT: 12.686 min Scan# 1649
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



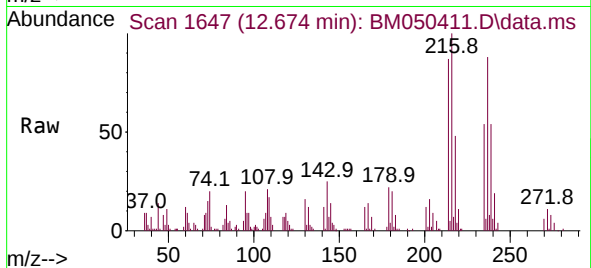
Tgt Ion:216 Resp: 100567
Ion Ratio Lower Upper
216 100
214 80.1 63.3 94.9
179 21.1 16.4 24.6
108 18.1 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 2.850 ng
RT: 12.674 min Scan# 1647
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

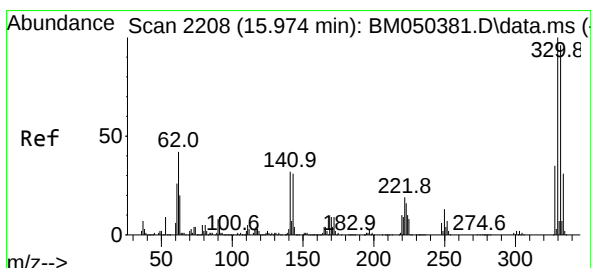
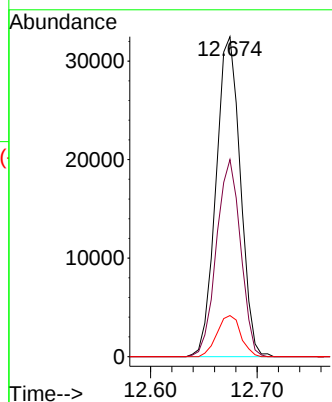
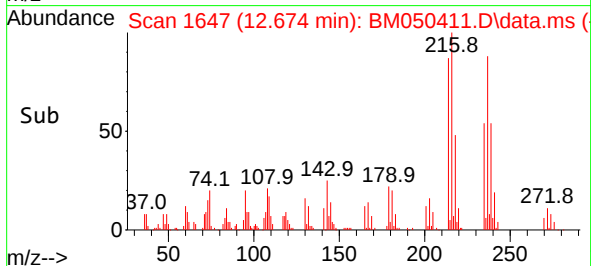
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



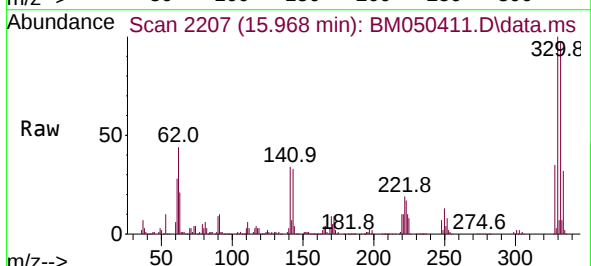
Tgt Ion:237 Resp: 51472
Ion Ratio Lower Upper
237 100
235 61.6 42.3 82.3
272 12.8 0.0 33.0

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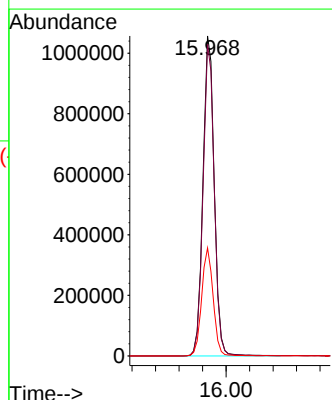
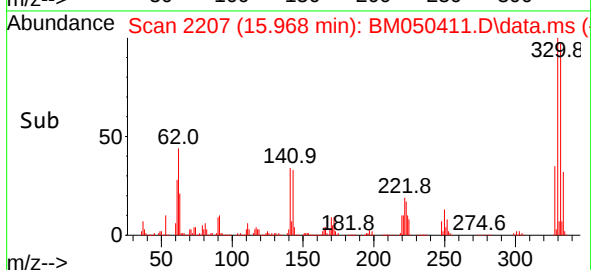
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

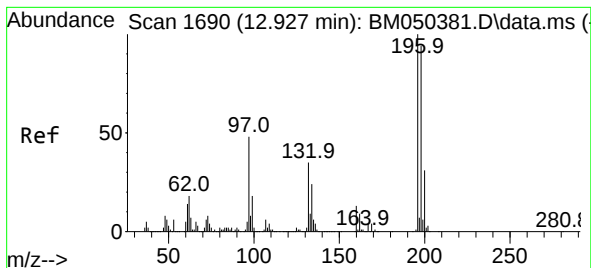


#42
2,4,6-Tribromophenol
Concen: 130.488 ng
RT: 15.968 min Scan# 2207
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



Tgt Ion:330 Resp: 1408574
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 34.3 27.4 41.0





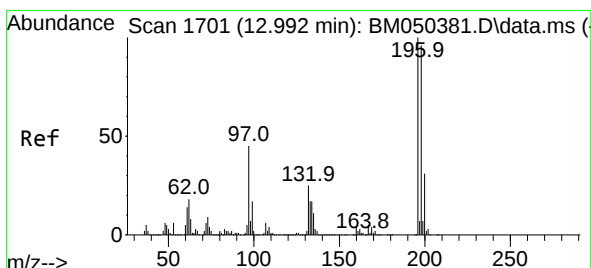
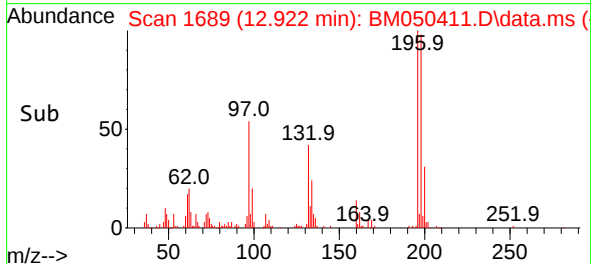
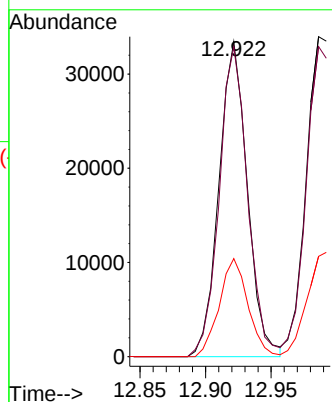
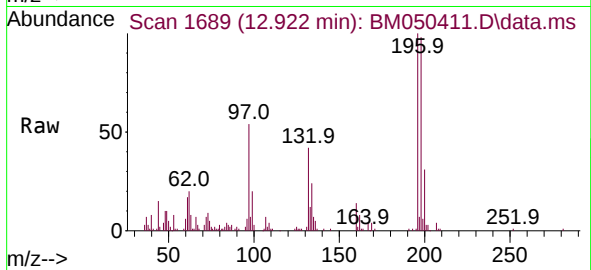
#43
2,4,6-Trichlorophenol
Concen: 2.899 ng
RT: 12.922 min Scan# 1690
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:196 Resp: 5041
Ion Ratio Lower Upper
196 100
198 98.3 75.1 112.7
200 31.1 24.6 37.0

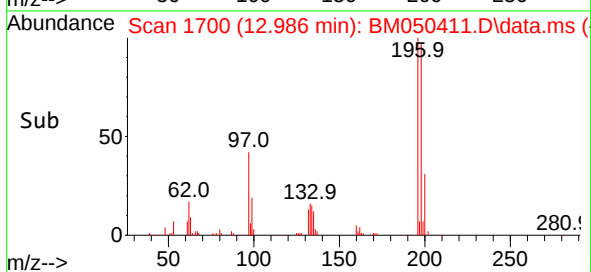
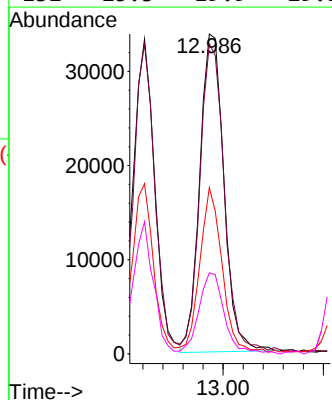
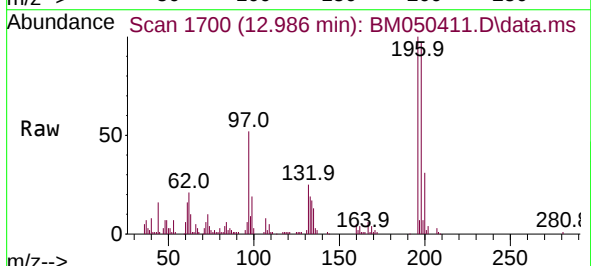
Manual Integrations
APPROVED

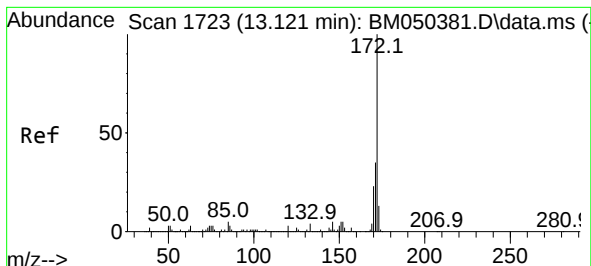
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#44
2,4,5-Trichlorophenol
Concen: 2.973 ng
RT: 12.986 min Scan# 1700
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

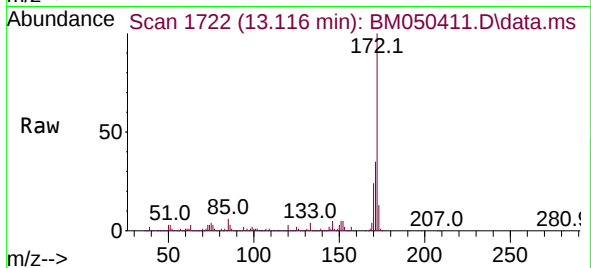
Tgt Ion:196 Resp: 56463
Ion Ratio Lower Upper
196 100
198 96.9 77.2 115.8
97 51.9 36.2 54.4
132 25.3 19.9 29.9





#45
2-Fluorobiphenyl
Concen: 80.642 ng
RT: 13.116 min Scan# 1722
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

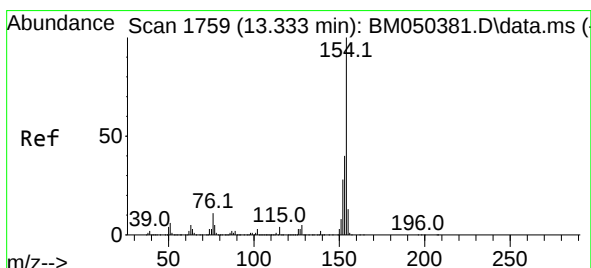
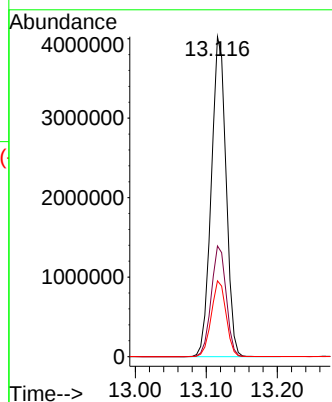
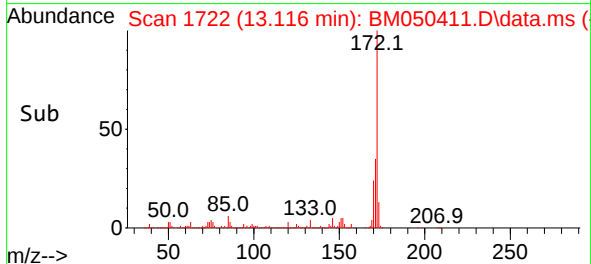
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



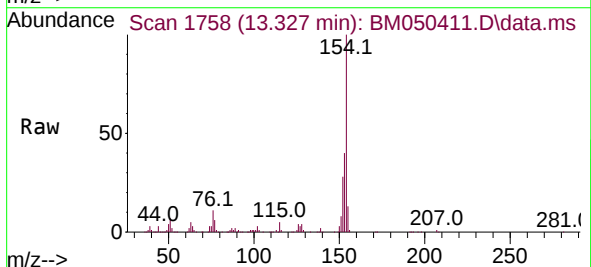
Tgt Ion:172 Resp: 5801621
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.7 18.8 28.2

Manual Integrations
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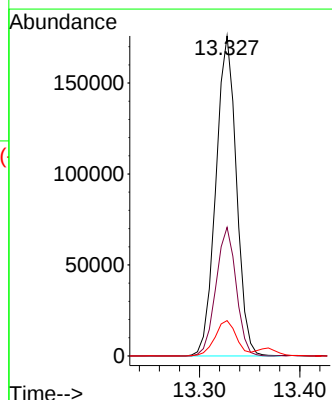
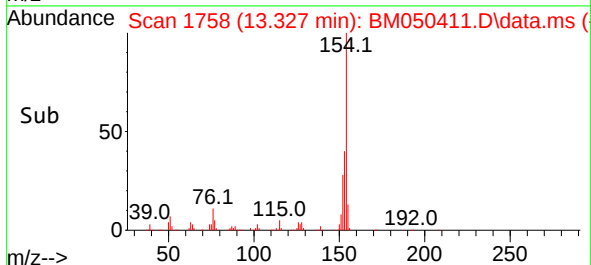
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

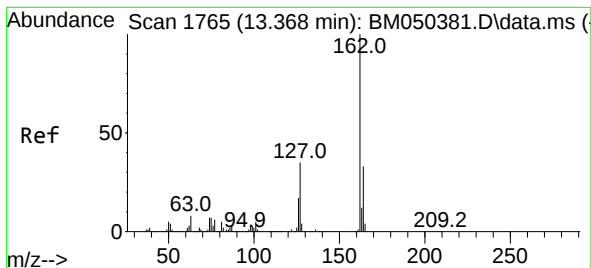


#46
1,1'-Biphenyl
Concen: 3.802 ng
RT: 13.327 min Scan# 1758
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



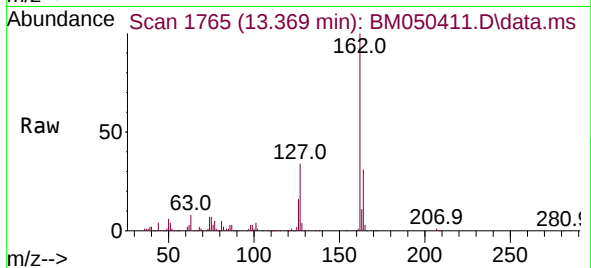
Tgt Ion:154 Resp: 250621
Ion Ratio Lower Upper
154 100
153 40.2 19.7 59.7
76 11.0 0.0 30.9





#47
2-Chloronaphthalene
Concen: 3.758 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

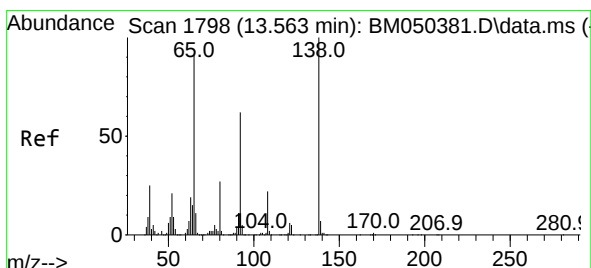
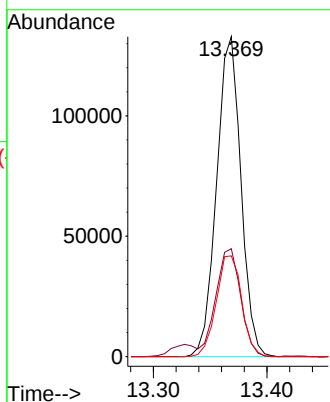
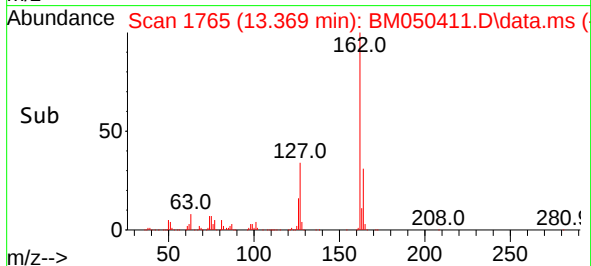
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



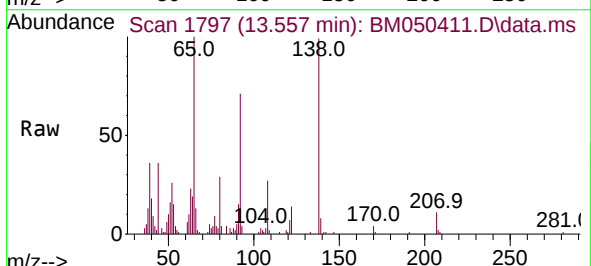
Tgt Ion:162 Resp: 197494
Ion Ratio Lower Upper
162 100
127 33.8 28.3 42.5
164 31.5 26.6 40.0

Manual Integrations
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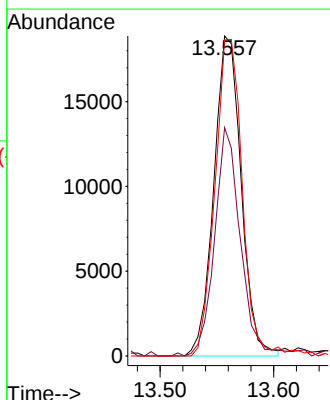
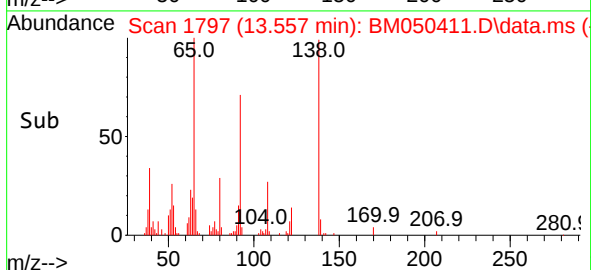
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

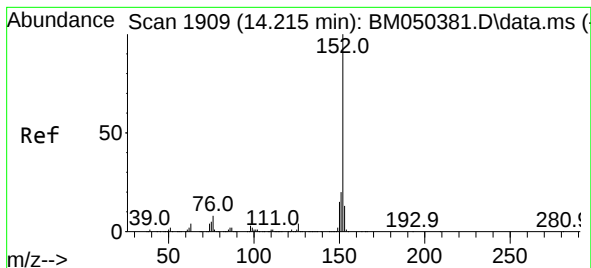


#48
2-Nitroaniline
Concen: 2.683 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



Tgt Ion: 65 Resp: 31479
Ion Ratio Lower Upper
65 100
92 71.3 54.3 81.5
138 98.7 87.8 131.6





#49

Acenaphthylene

Concen: 3.379 ng

RT: 14.210 min Scan# 1909

Delta R.T. 0.012 min

Lab File: BM050411.D

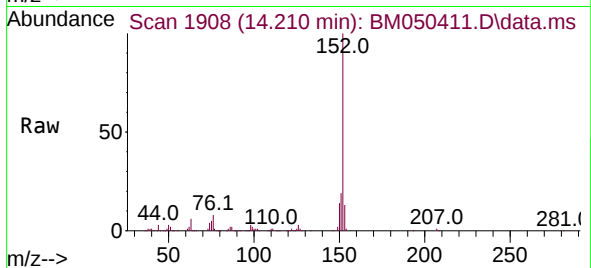
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 26841

Ion Ratio Lower Upper

152 100

151 18.7 16.3 24.5

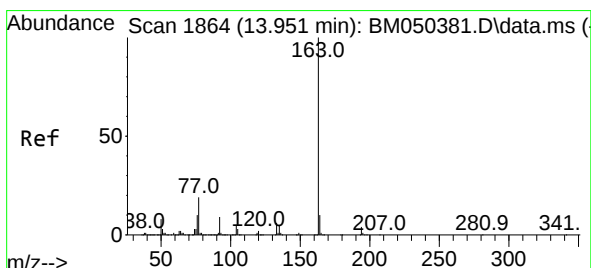
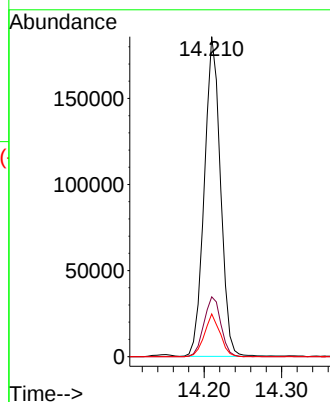
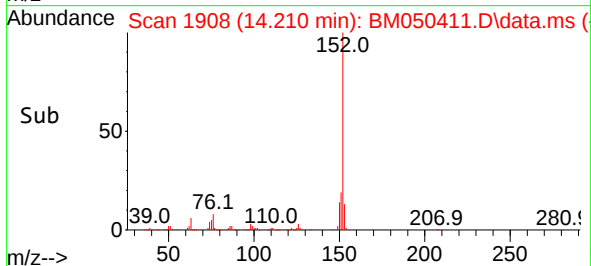
153 13.3 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#50

Dimethylphthalate

Concen: 3.618 ng

RT: 13.945 min Scan# 1863

Delta R.T. 0.012 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

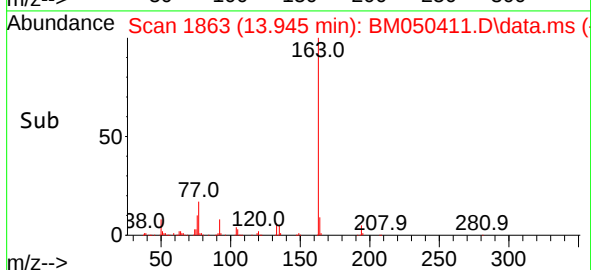
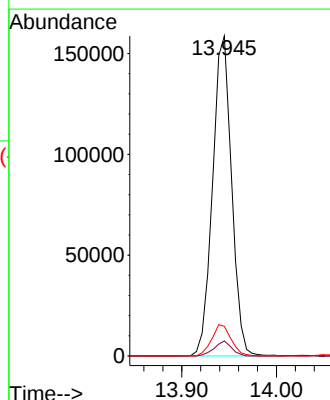
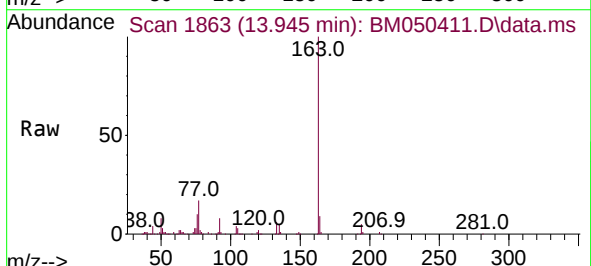
Tgt Ion:163 Resp: 221283

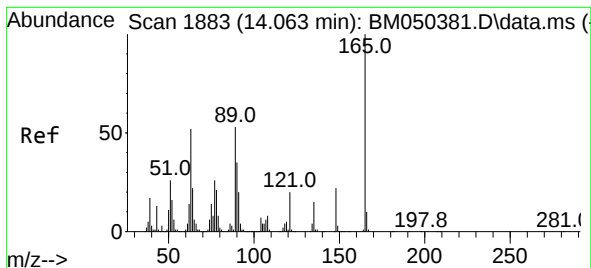
Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

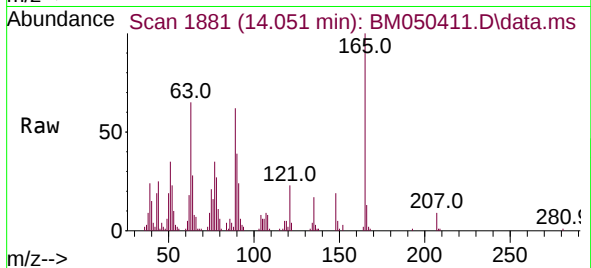
164 9.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 2.844 ng
RT: 14.051 min Scan# 1883
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

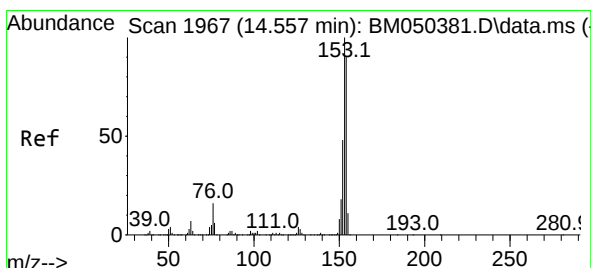
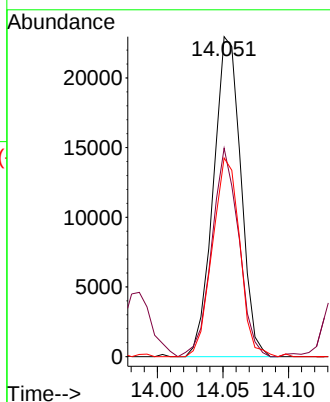
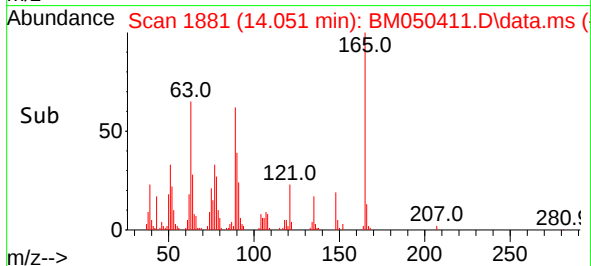
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



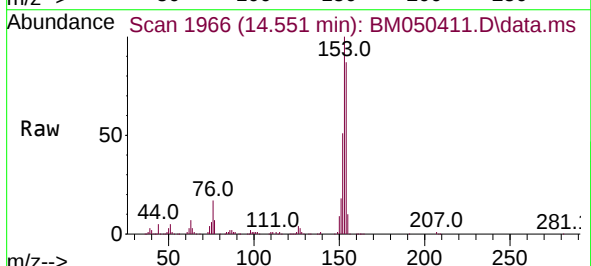
Tgt Ion:165 Resp: 33399
Ion Ratio Lower Upper
165 100
63 65.2 42.4 63.6
89 62.1 42.2 63.2

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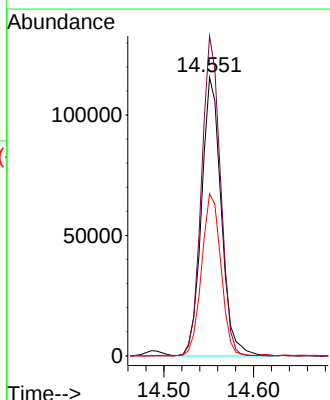
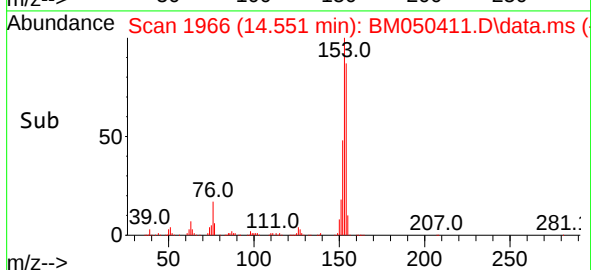
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

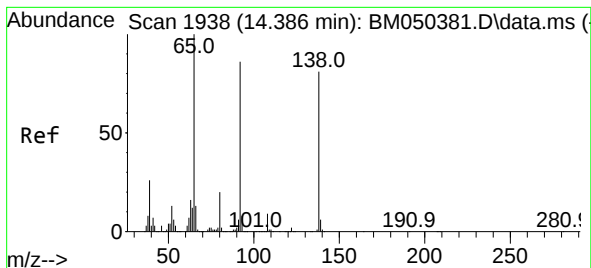


#52
Acenaphthene
Concen: 3.486 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



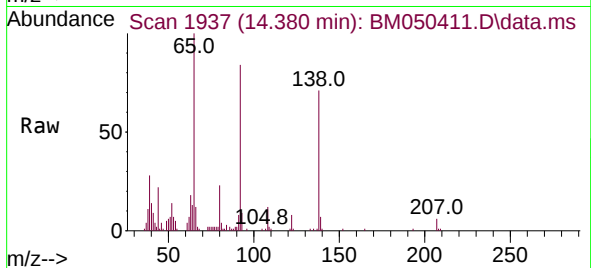
Tgt Ion:154 Resp: 176039
Ion Ratio Lower Upper
154 100
153 114.8 89.2 133.8
152 58.2 42.6 64.0





#53
3-Nitroaniline
Concen: 2.531 ng
RT: 14.380 min Scan# 1938
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

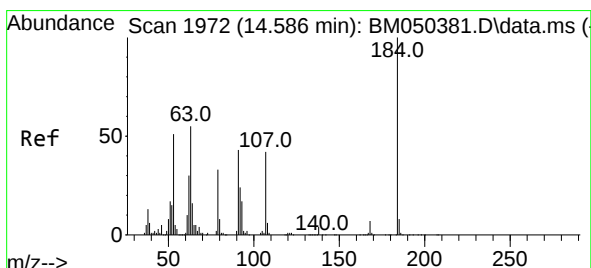
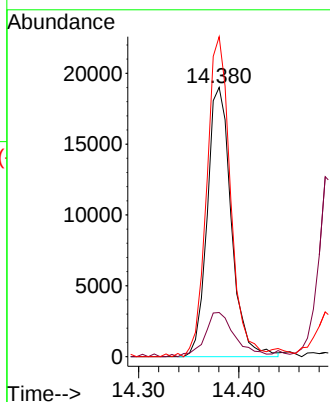
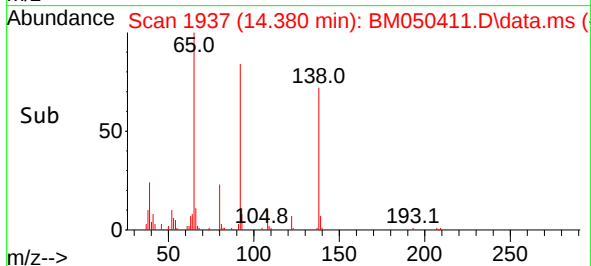
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



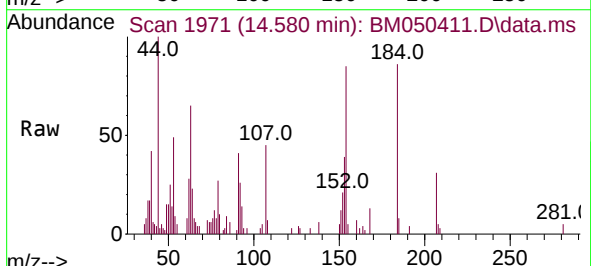
Tgt Ion:138 Resp: 31610
Ion Ratio Lower Upper
138 100
108 16.4 8.8 13.2
92 118.9 85.0 127.6

Manual Integrations
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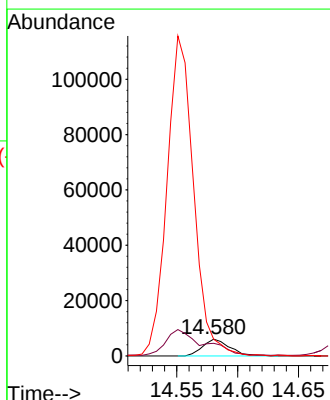
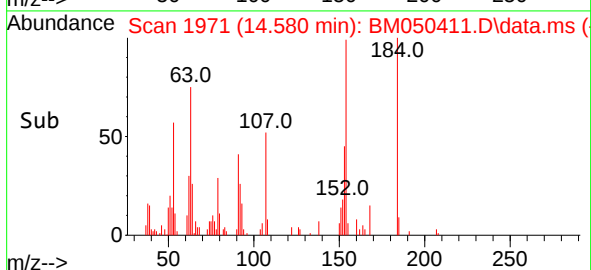
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

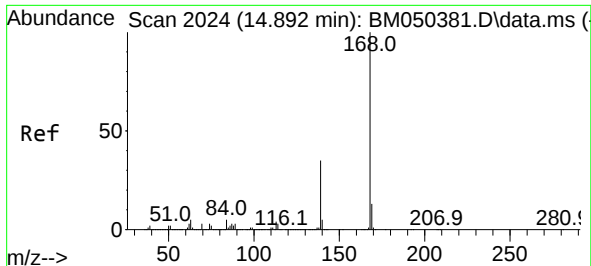


#54
2,4-Dinitrophenol
Concen: 7.721 ng
RT: 14.580 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



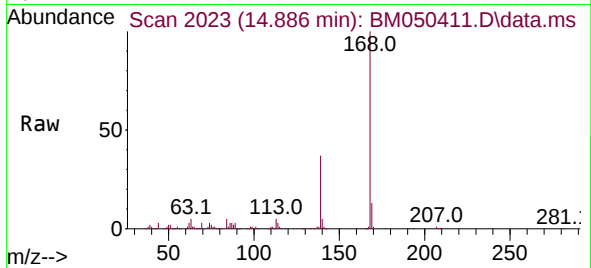
Tgt Ion:184 Resp: 9258
Ion Ratio Lower Upper
184 100
63 75.4 53.4 80.0
154 99.2 61.6 92.4





#55
Dibenzofuran
Concen: 3.702 ng
RT: 14.886 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

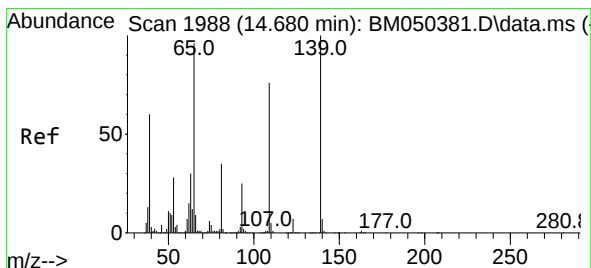
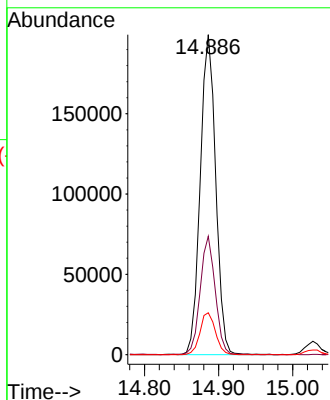
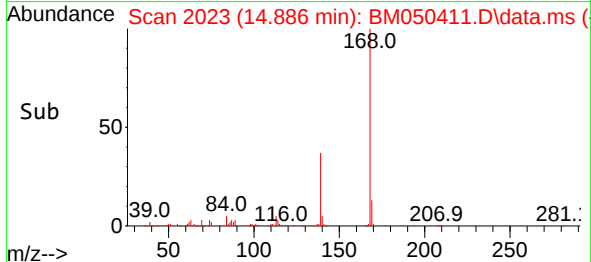
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 28803
Ion Ratio Lower Upper
168 100
139 37.0 27.7 41.5
169 13.1 10.7 16.1

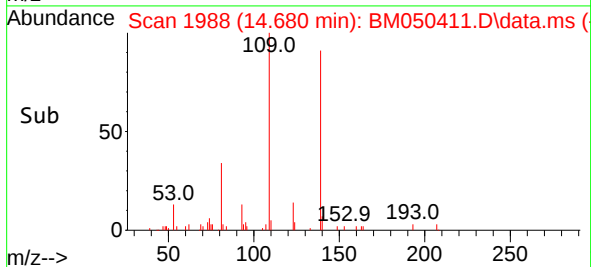
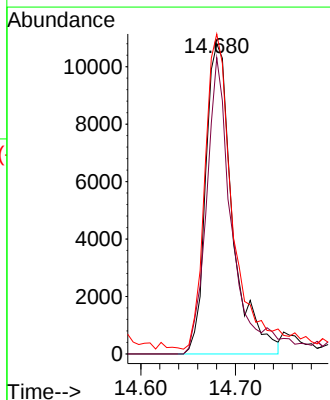
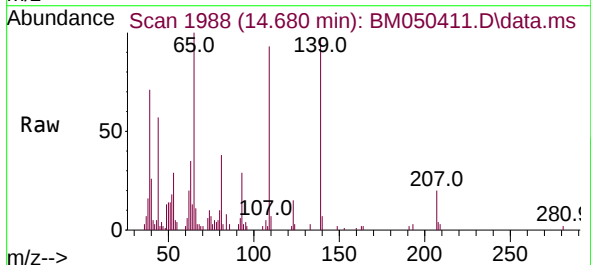
Manual Integrations
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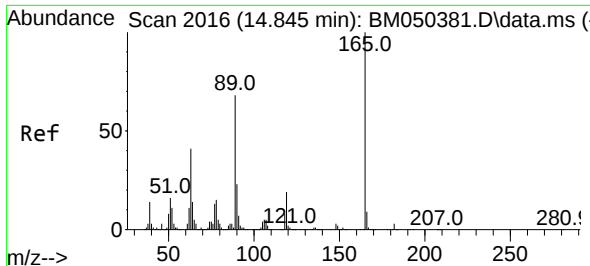
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#56
4-Nitrophenol
Concen: 1.980 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

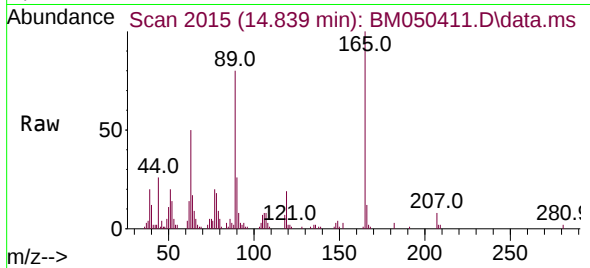
Tgt Ion:139 Resp: 21265
Ion Ratio Lower Upper
139 100
109 95.5 56.5 96.5
65 103.2 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 4.732 ng
RT: 14.839 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

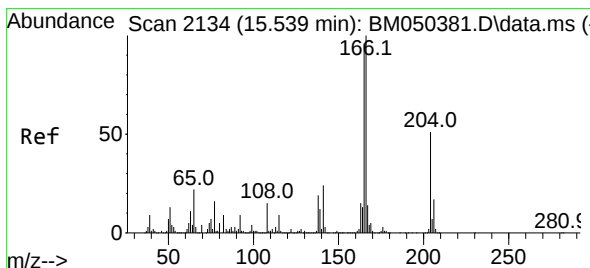
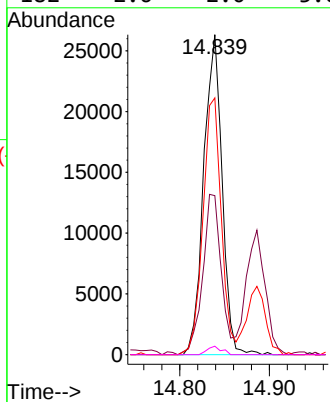
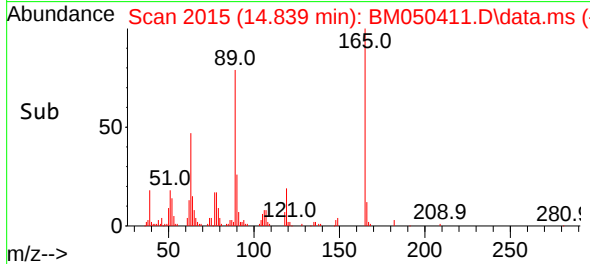
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 37419
Ion Ratio Lower Upper
165 100
63 49.7 32.5 48.7
89 80.2 54.0 81.0
182 2.6 2.0 3.0

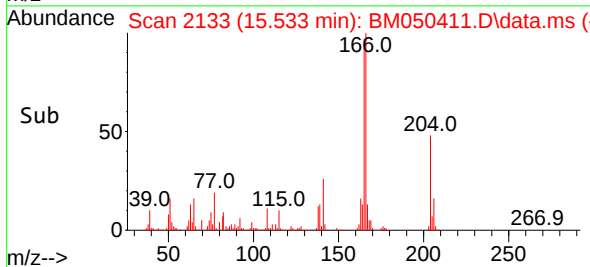
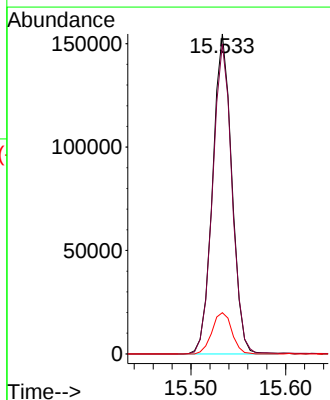
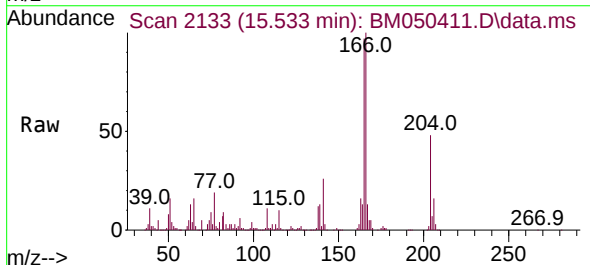
Manual Integrations
APPROVED

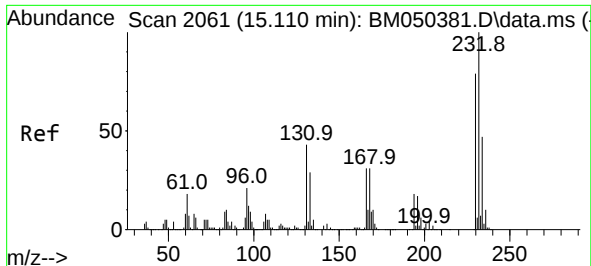
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#58
Fluorene
Concen: 3.399 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

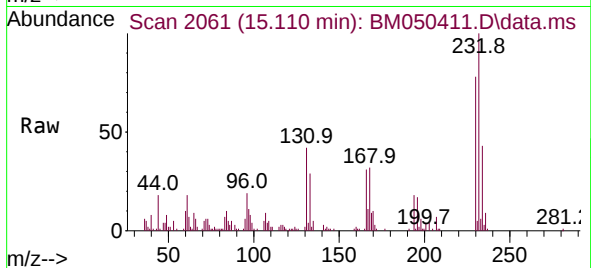
Tgt Ion:166 Resp: 217798
Ion Ratio Lower Upper
166 100
165 96.9 77.0 115.6
167 12.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.039 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

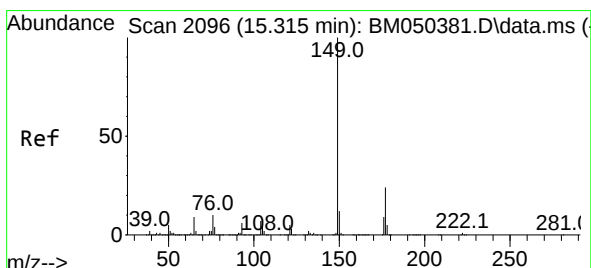
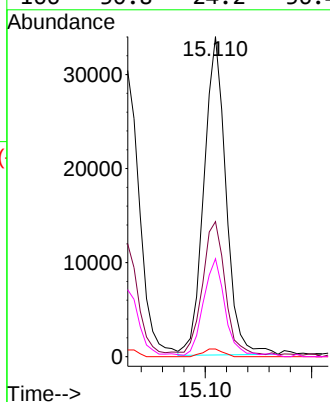
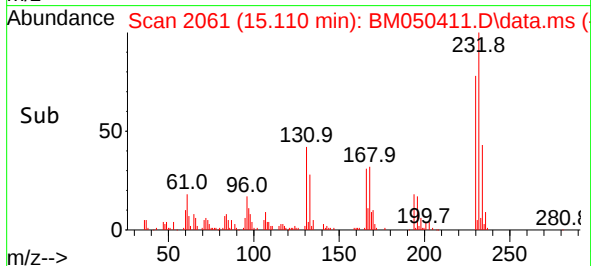
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



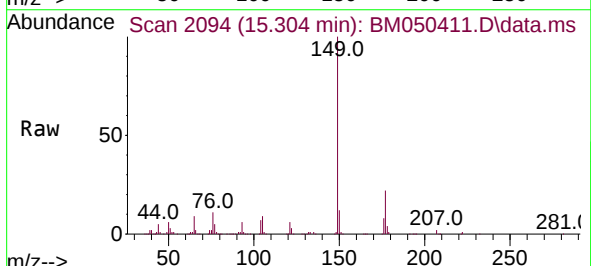
Tgt Ion:232 Resp: 48582
Ion Ratio Lower Upper
232 100
131 43.1 33.4 50.0
130 2.2 1.8 2.6
166 30.8 24.2 36.4

Manual Integrations
APPROVED

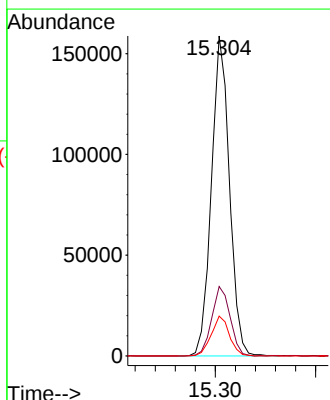
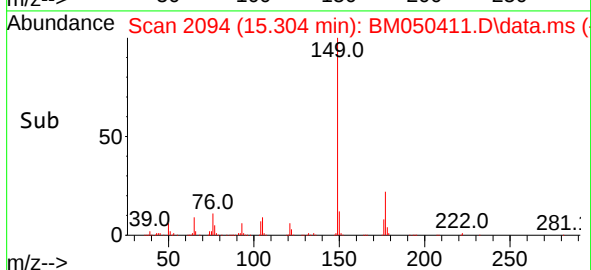
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

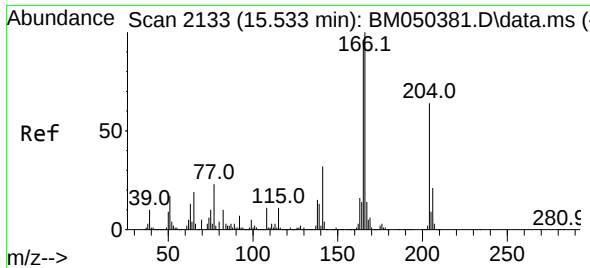


#60
Diethylphthalate
Concen: 3.389 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



Tgt Ion:149 Resp: 198016
Ion Ratio Lower Upper
149 100
177 21.7 18.8 28.2
150 12.4 9.8 14.8





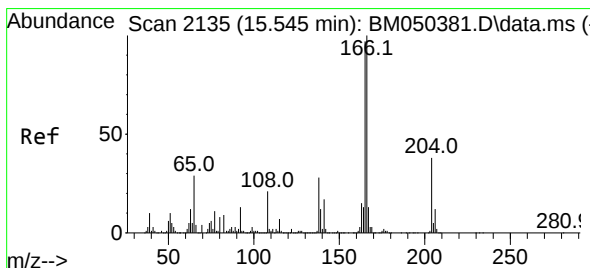
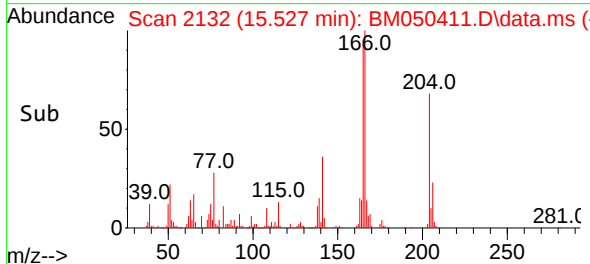
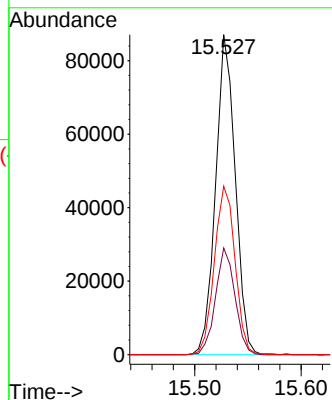
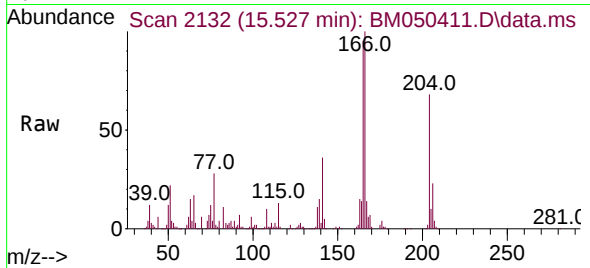
#61
4-Chlorophenyl-phenylether
Concen: 3.342 ng
RT: 15.527 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:204 Resp: 112003
Ion Ratio Lower Upper
204 100
206 33.3 26.6 39.8
141 52.6 39.9 59.9

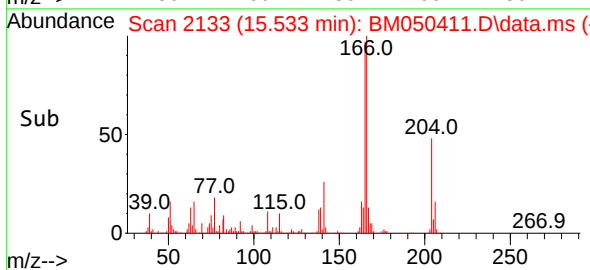
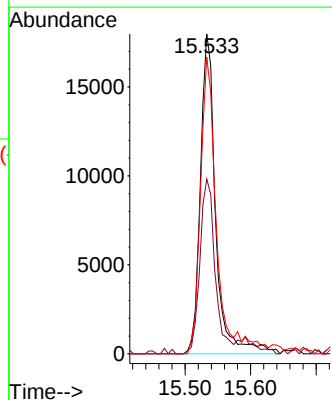
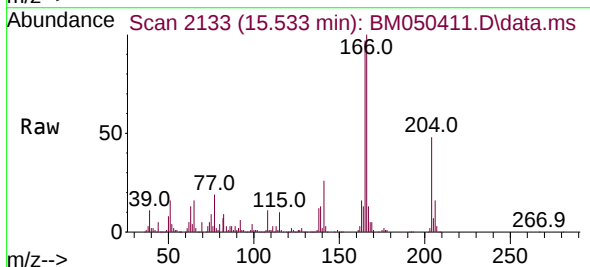
Manual Integrations
APPROVED

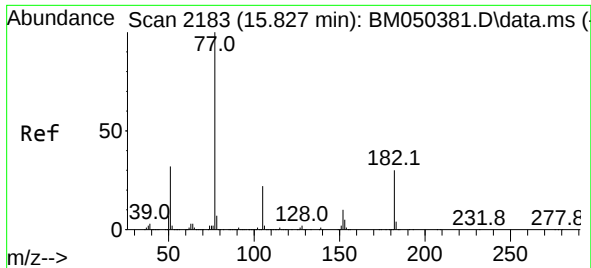
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#62
4-Nitroaniline
Concen: 4.494 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

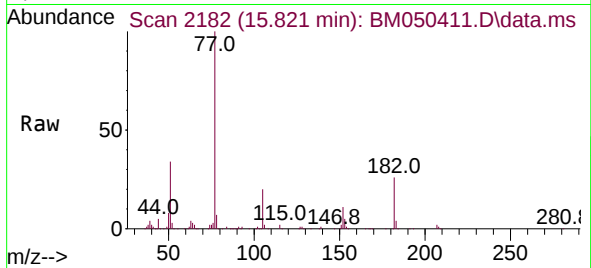
Tgt Ion:138 Resp: 28941
Ion Ratio Lower Upper
138 100
92 54.6 24.5 64.5
108 92.7 52.5 92.5#





#63
Azobenzene
Concen: 3.148 ng
RT: 15.821 min Scan# 2183
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

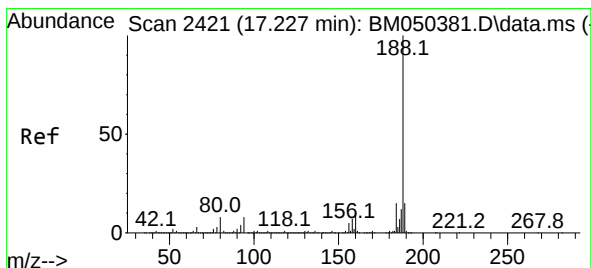
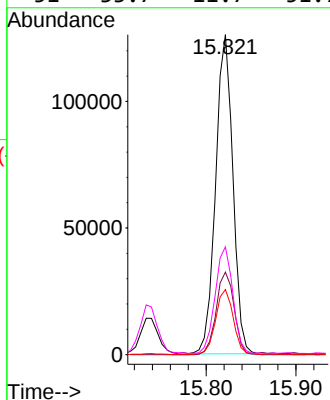
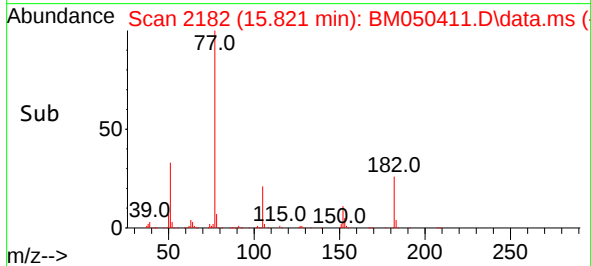
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion: 77 Resp: 168872
Ion Ratio Lower Upper
77 100
182 25.8 10.0 50.0
105 20.3 2.0 42.0
51 33.7 11.7 51.7

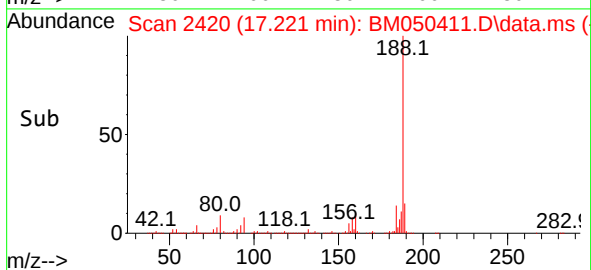
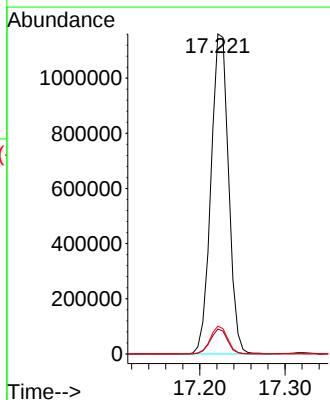
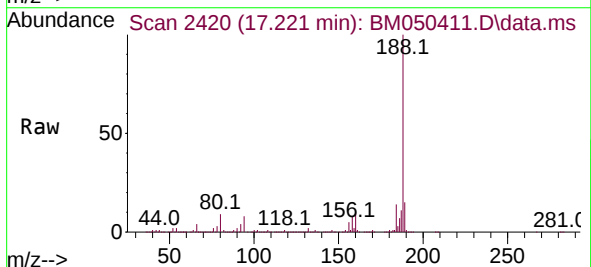
Manual Integrations
APPROVED

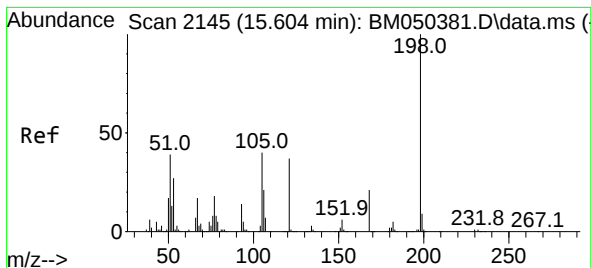
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:188 Resp: 1666458
Ion Ratio Lower Upper
188 100
94 7.8 6.0 9.0
80 8.7 6.5 9.7





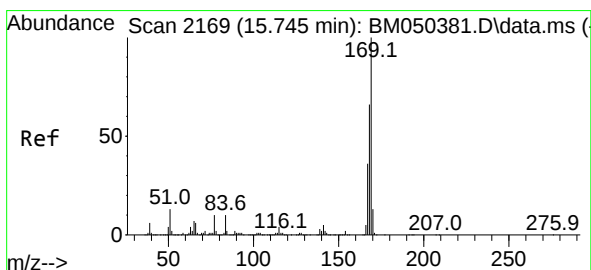
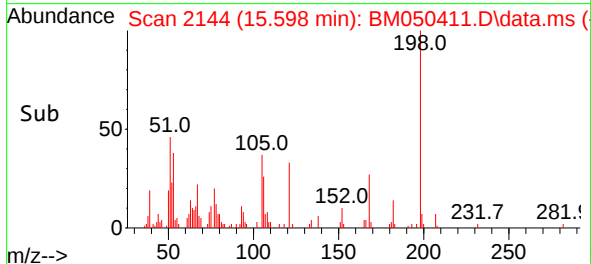
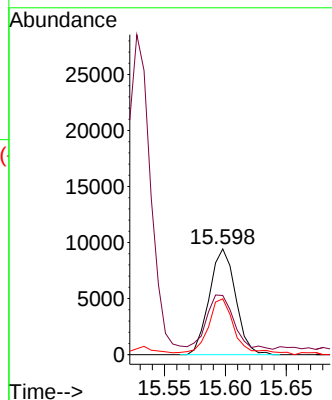
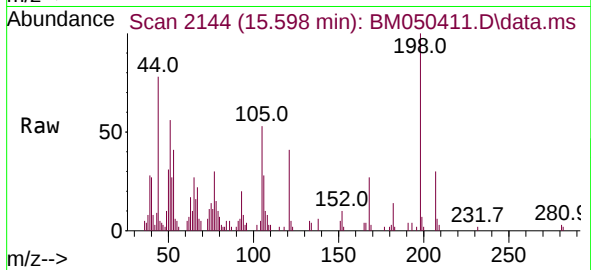
#65
4,6-Dinitro-2-methylphenol
Concen: 7.675 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:198 Resp: 14150
Ion Ratio Lower Upper
198 100
51 55.9 26.6 66.6
105 52.8 20.9 60.9

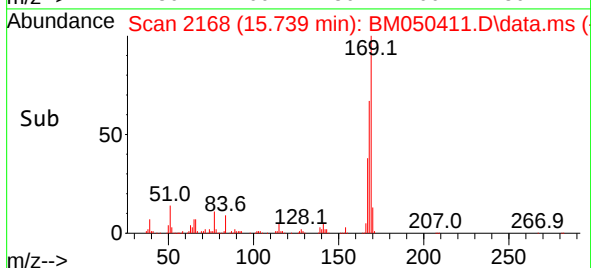
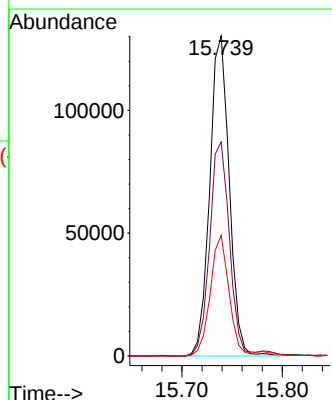
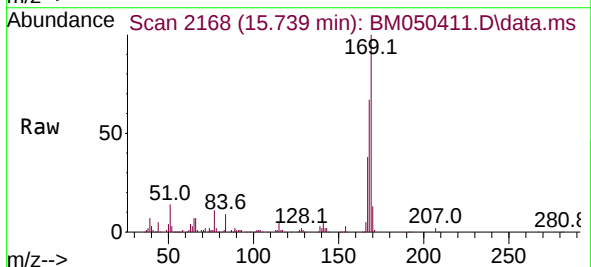
Manual Integrations
APPROVED

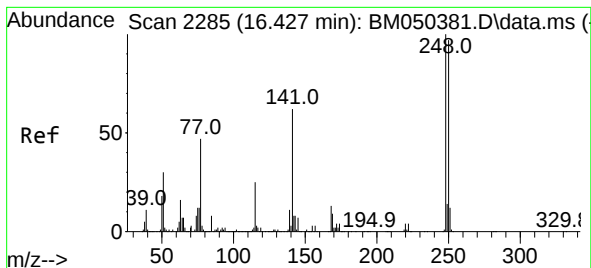
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#66
n-Nitrosodiphenylamine
Concen: 3.377 ng
RT: 15.739 min Scan# 2168
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:169 Resp: 176107
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 37.7 28.7 43.1





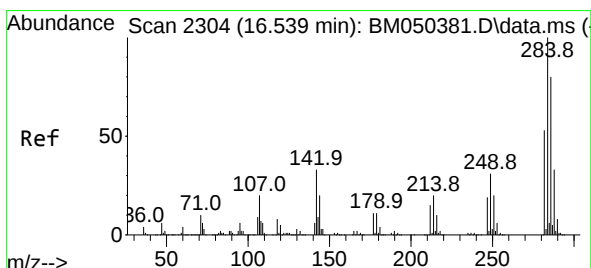
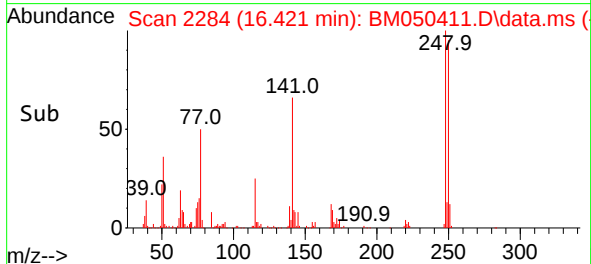
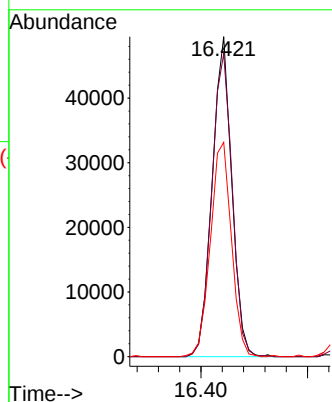
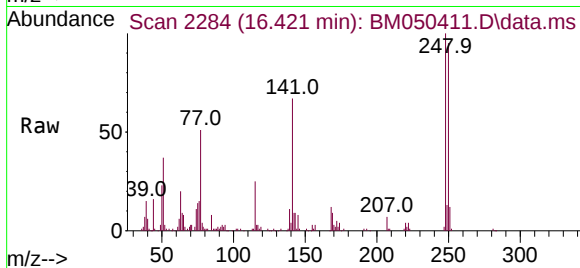
#67
4-Bromophenyl-phenylether
Concen: 3.455 ng
RT: 16.421 min Scan# 211
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

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

Tgt Ion:248 Resp: 6344
Ion Ratio Lower Upper
248 100
250 94.7 77.9 116.9
141 67.0 49.7 74.5

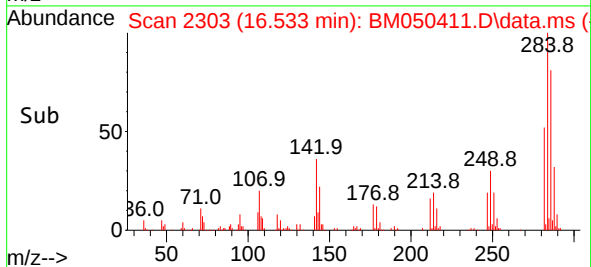
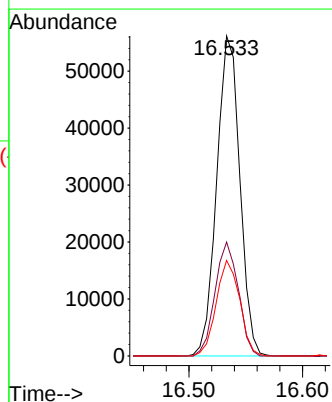
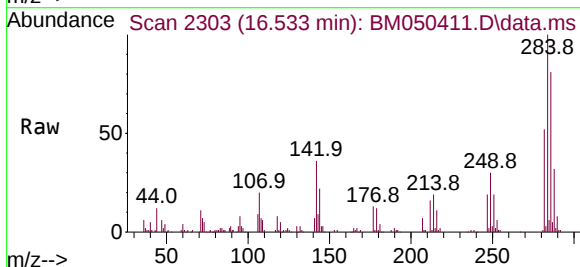
Manual Integrations
APPROVED

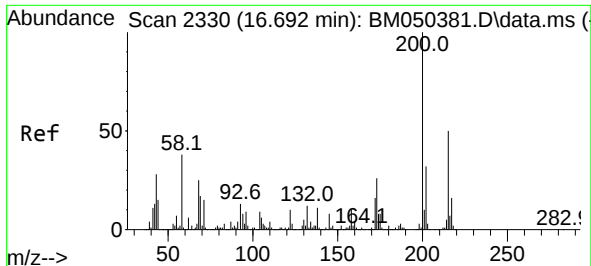
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#68
Hexachlorobenzene
Concen: 3.661 ng
RT: 16.533 min Scan# 2303
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:284 Resp: 79381
Ion Ratio Lower Upper
284 100
142 35.6 26.8 40.2
249 29.8 24.5 36.7





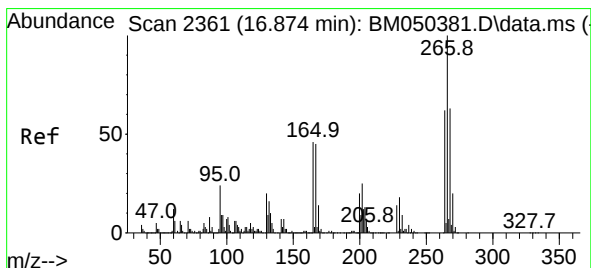
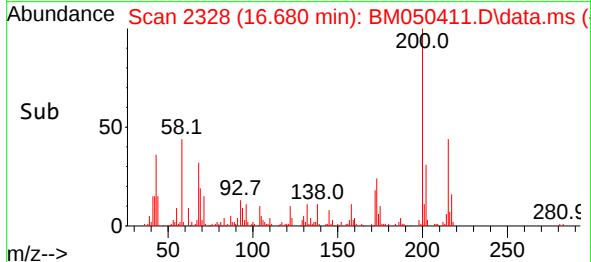
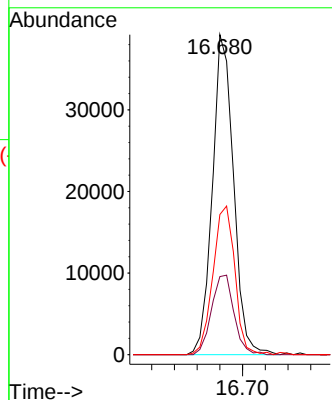
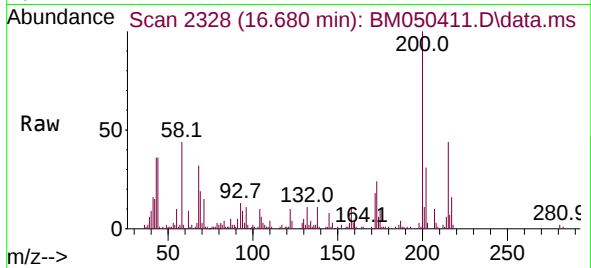
#69
 Atrazine
 Concen: 2.963 ng
 RT: 16.680 min Scan# 2328
 Delta R.T. 0.006 min
 Lab File: BM050411.D
 Acq: 11 Jul 2025 13:42

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

Tgt Ion:200 Resp: 50730
 Ion Ratio Lower Upper
 200 100
 173 24.4 5.6 45.6
 215 43.8 29.6 69.6

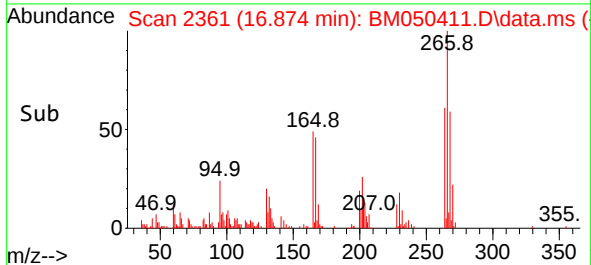
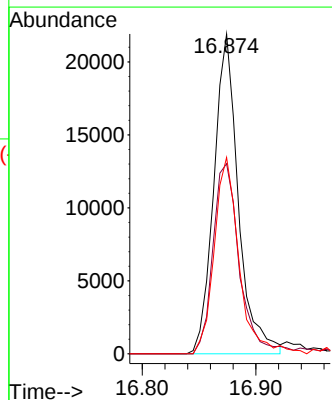
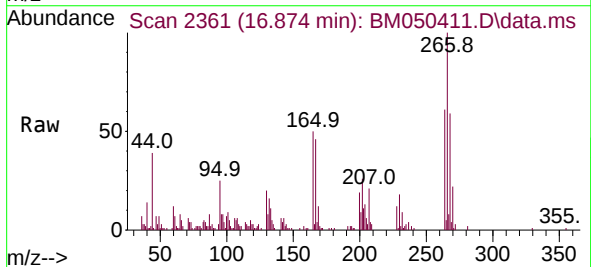
Manual Integrations
 APPROVED

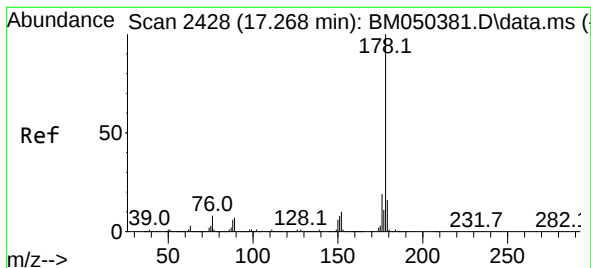
Reviewed By :Rahul Chavli 07/14/2025
 Supervised By :Jagrut Upadhyay 07/14/2025



#70
 Pentachlorophenol
 Concen: 2.435 ng
 RT: 16.874 min Scan# 2361
 Delta R.T. 0.018 min
 Lab File: BM050411.D
 Acq: 11 Jul 2025 13:42

Tgt Ion:266 Resp: 32874
 Ion Ratio Lower Upper
 266 100
 268 59.4 50.5 75.7
 264 61.4 49.9 74.9





#71

Phenanthrene

Concen: 3.647 ng

RT: 17.262 min Scan# 2428

Delta R.T. 0.012 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

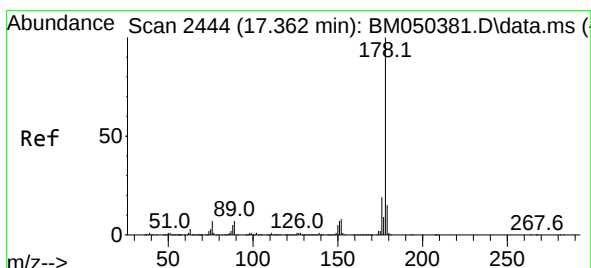
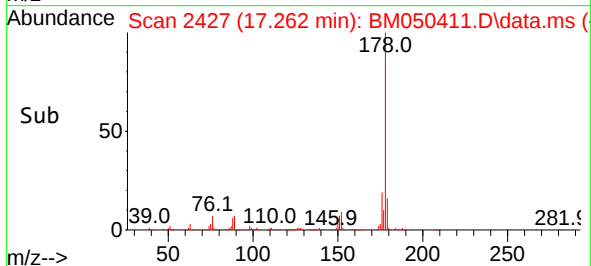
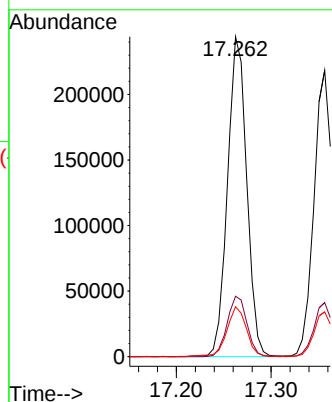
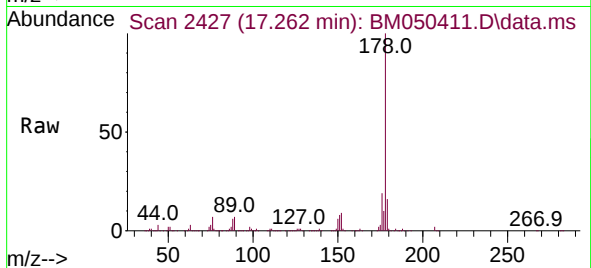
Tgt Ion:178 Resp: 343896
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.6 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#72

Anthracene

Concen: 3.319 ng

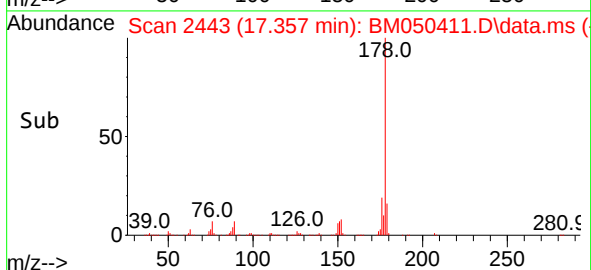
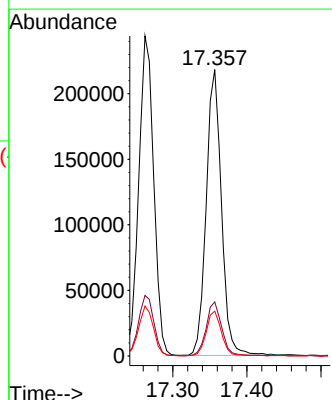
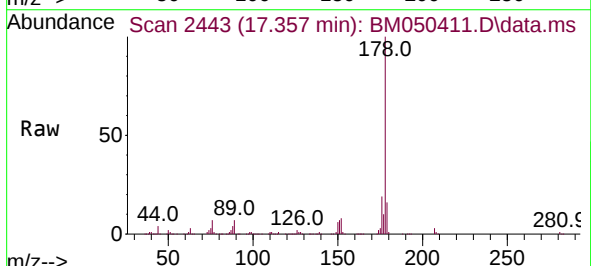
RT: 17.357 min Scan# 2443

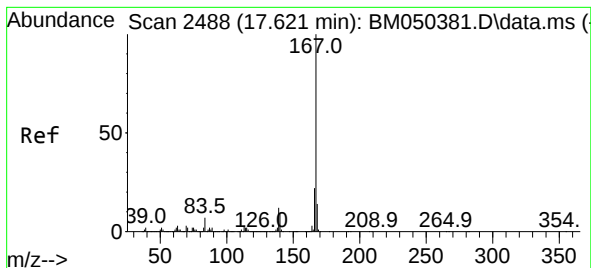
Delta R.T. 0.018 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:178 Resp: 311549
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.6 12.2 18.4





#73

Carbazole

Concen: 3.254 ng

RT: 17.615 min Scan# 24

Delta R.T. 0.012 min

Lab File: BM050411.D

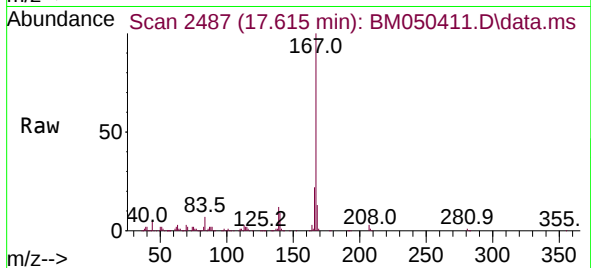
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:167 Resp: 276388

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

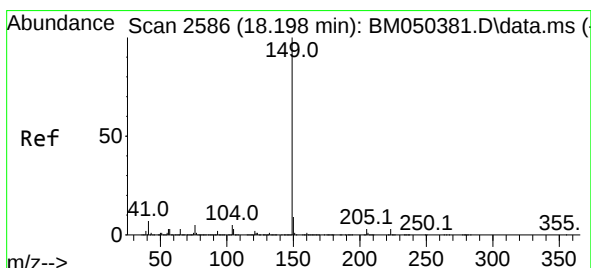
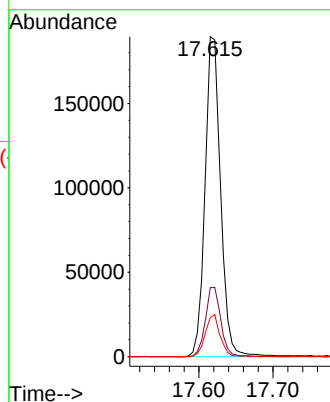
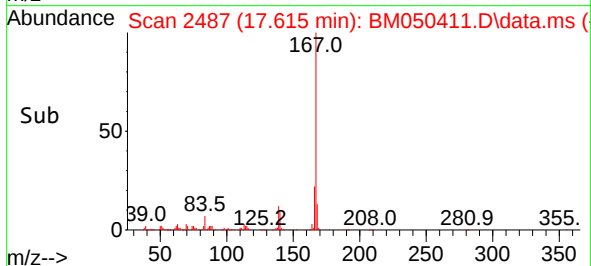
139 12.2 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#74

Di-n-butylphthalate

Concen: 2.887 ng

RT: 18.192 min Scan# 2585

Delta R.T. 0.018 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

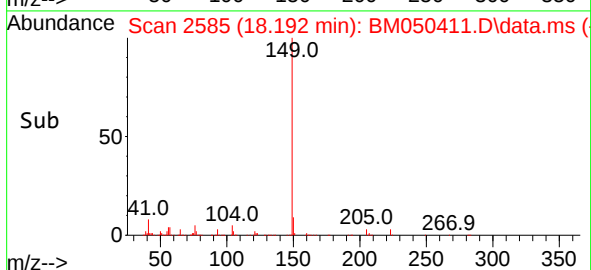
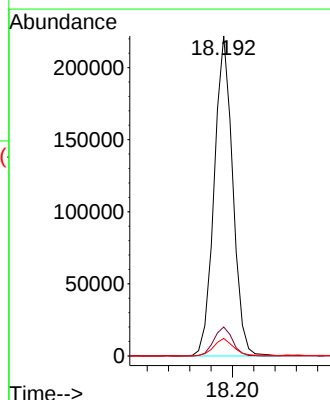
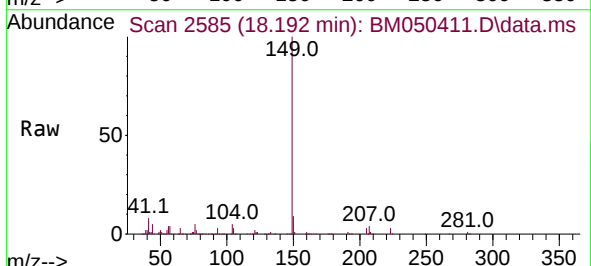
Tgt Ion:149 Resp: 268393

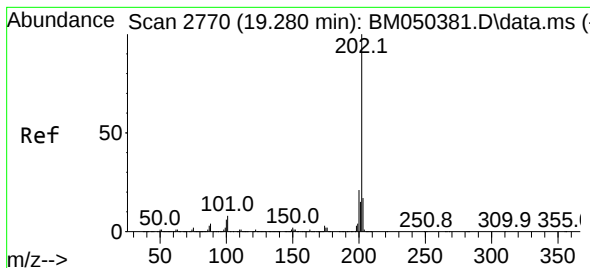
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

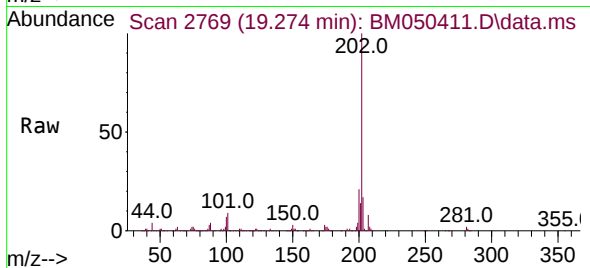
104 5.5 3.9 5.9





#75
Fluoranthene
Concen: 3.183 ng
RT: 19.274 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

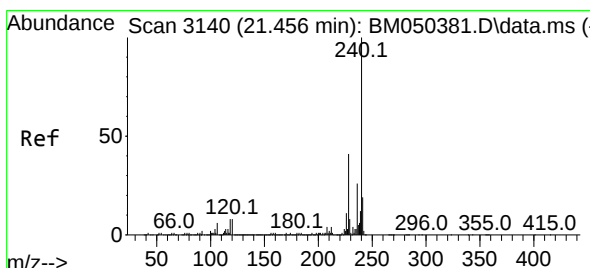
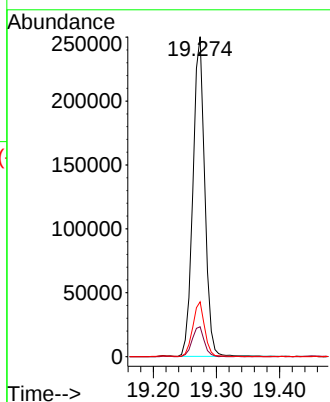
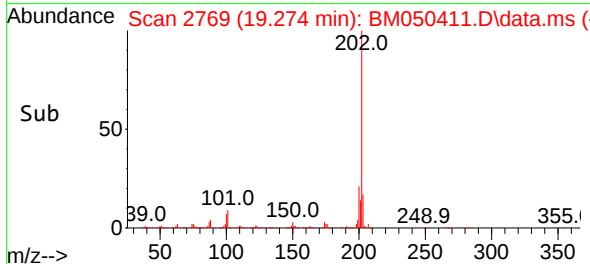
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:202 Resp: 326246
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.3
203 17.1 0.0 37.2

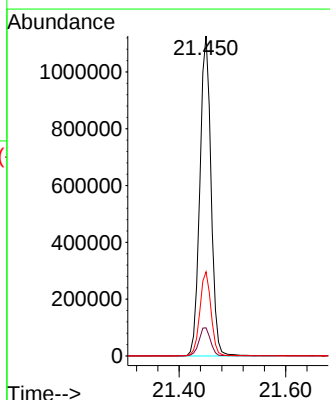
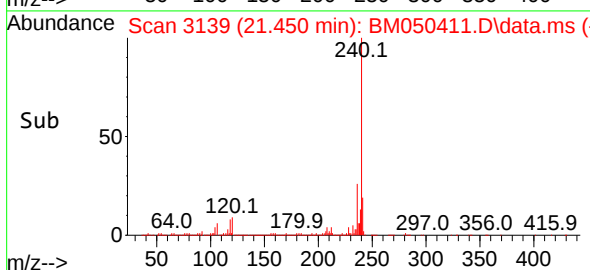
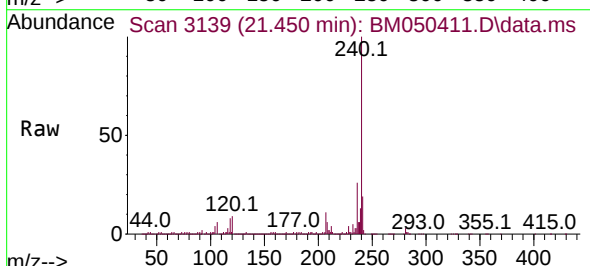
Manual Integrations
APPROVED

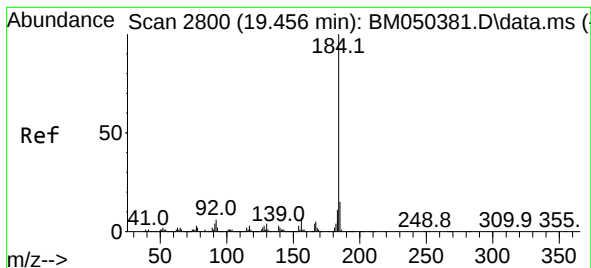
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:240 Resp: 1635479
Ion Ratio Lower Upper
240 100
120 8.8 6.7 10.1
236 26.3 20.7 31.1





#77

Benzidine

Concen: 2.329 ng

RT: 19.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM050411.D

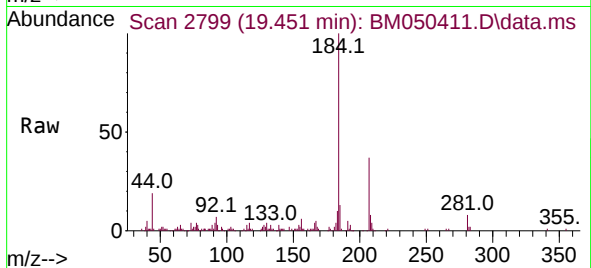
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



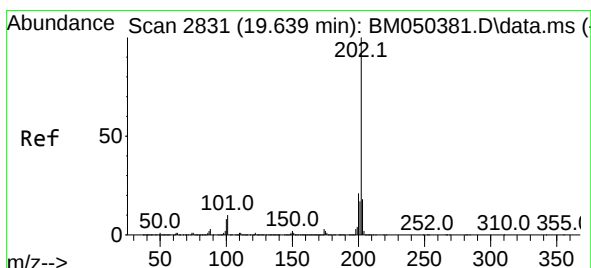
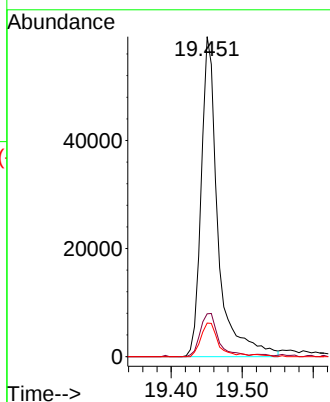
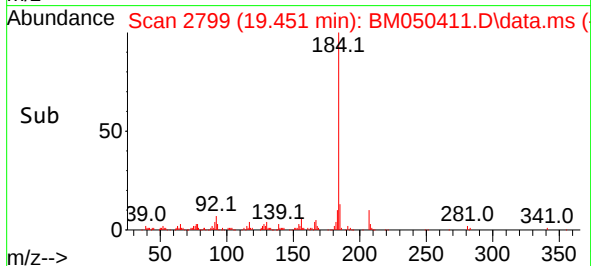
Tgt Ion:184	Resp:	97140
Ion Ratio	Lower	Upper
184	100	
185	13.4	11.7 17.5
183	10.5	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#78

Pyrene

Concen: 3.352 ng

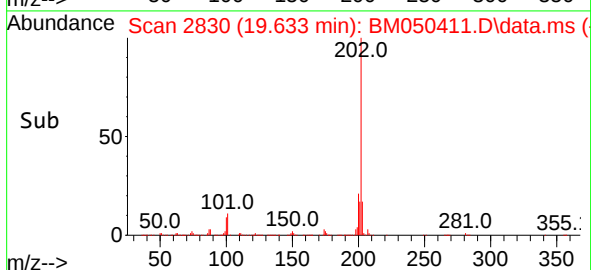
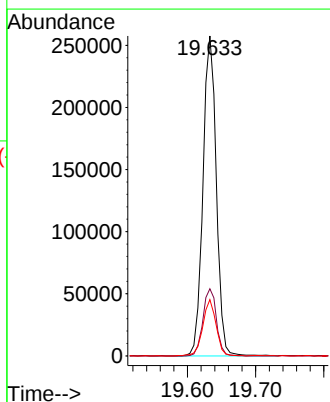
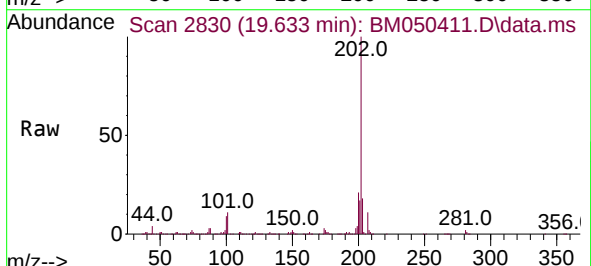
RT: 19.633 min Scan# 2830

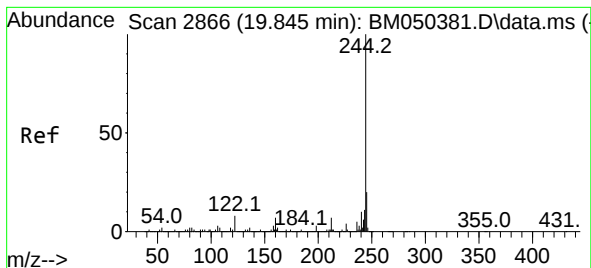
Delta R.T. 0.018 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:202	Resp:	351084
Ion Ratio	Lower	Upper
202	100	
200	21.0	16.9 25.3
203	17.6	14.1 21.1





#79

Terphenyl-d14

Concen: 100.248 ng

RT: 19.839 min Scan# 2865

Delta R.T. 0.018 min

Lab File: BM050411.D

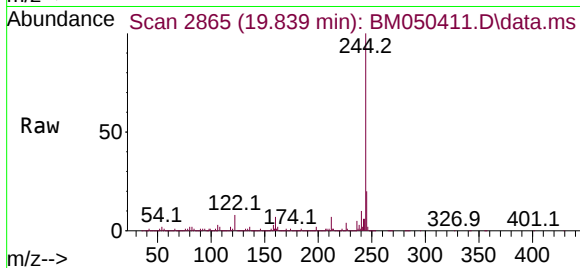
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:244 Resp: 931843

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

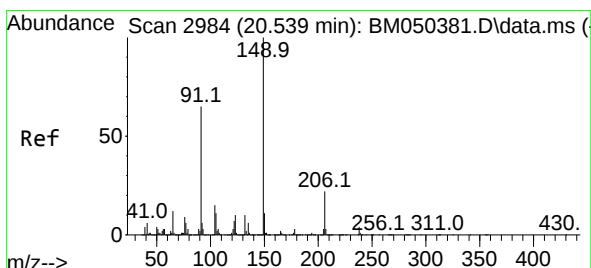
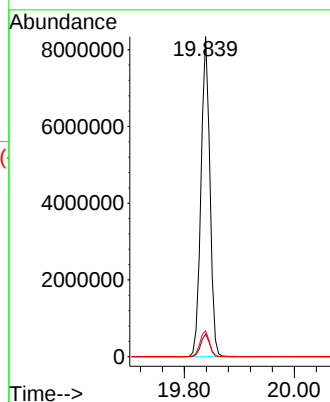
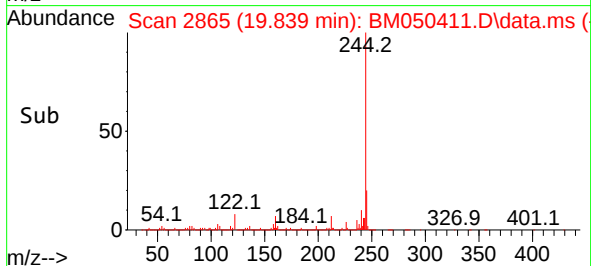
122 8.0 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#80

Butylbenzylphthalate

Concen: 2.663 ng

RT: 20.533 min Scan# 2983

Delta R.T. 0.018 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

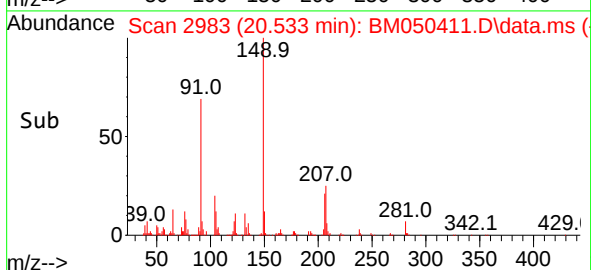
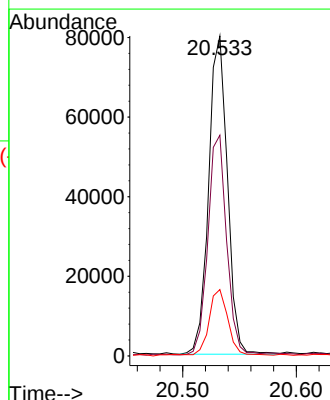
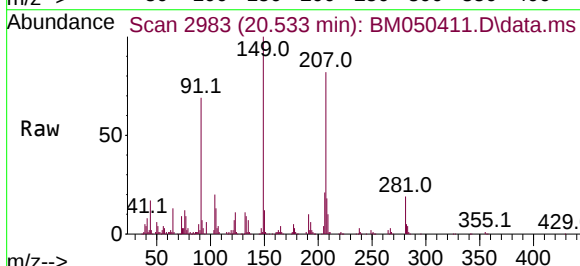
Tgt Ion:149 Resp: 91978

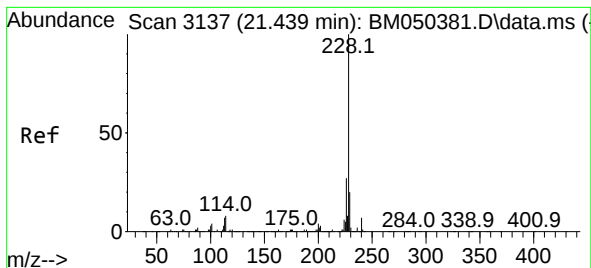
Ion Ratio Lower Upper

149 100

91 69.0 51.6 77.4

206 20.7 17.8 26.8





#81

Benzo(a)anthracene

Concen: 3.458 ng

RT: 21.433 min Scan# 3137

Delta R.T. 0.018 min

Lab File: BM050411.D

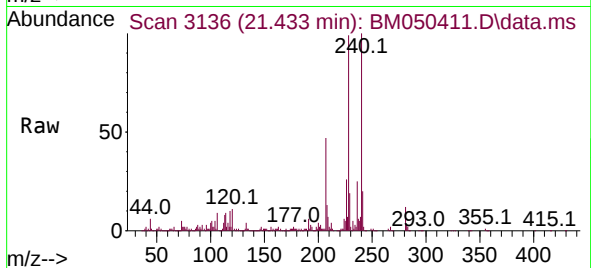
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:228 Resp: 36852

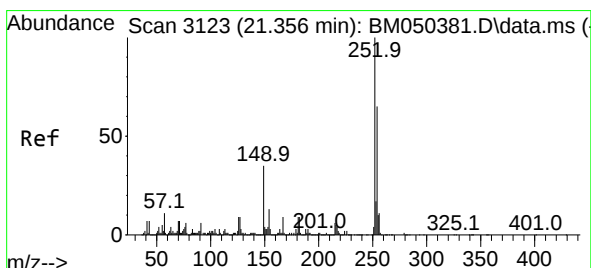
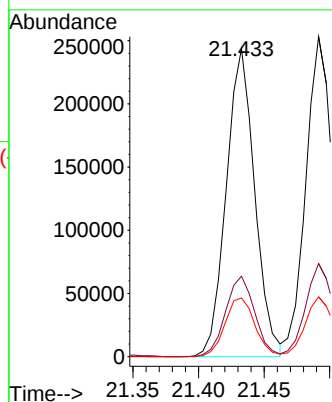
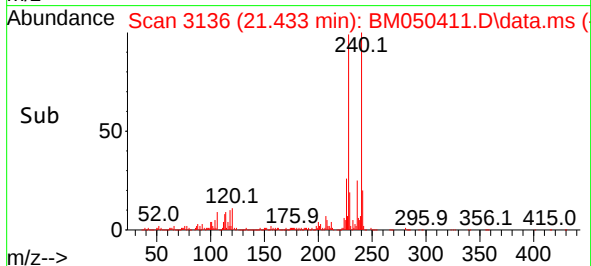
Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	19.1	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#82

3,3'-Dichlorobenzidine

Concen: 2.616 ng

RT: 21.350 min Scan# 3122

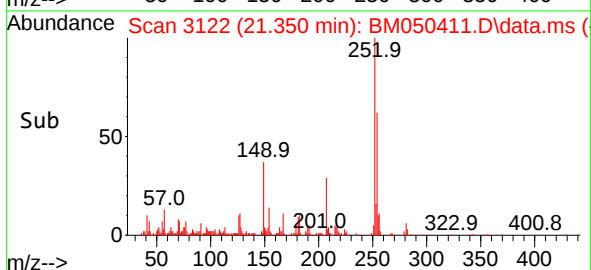
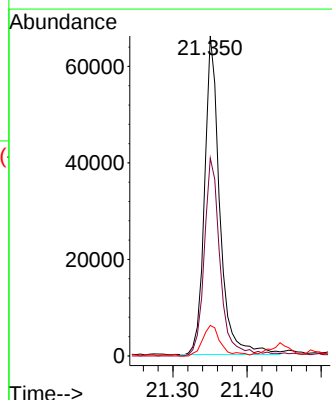
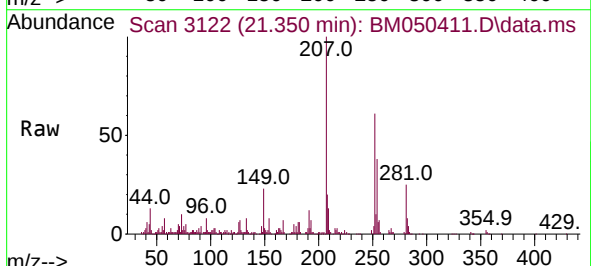
Delta R.T. 0.018 min

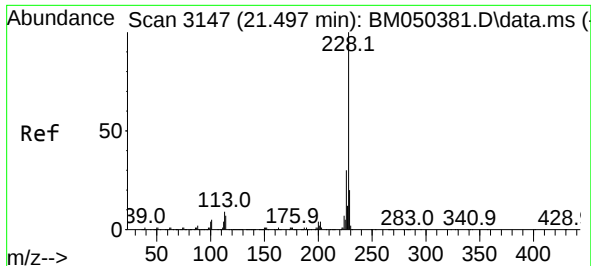
Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:252 Resp: 94012

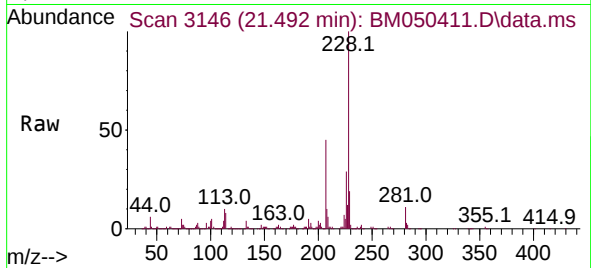
Ion	Ratio	Lower	Upper
252	100		
254	61.8	51.7	77.5
126	9.5	7.3	10.9





#83
Chrysene
Concen: 3.678 ng
RT: 21.492 min Scan# 3147
Delta R.T. 0.012 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

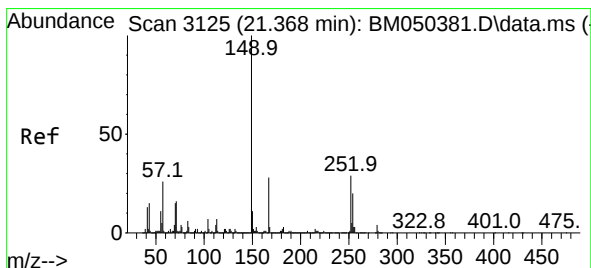
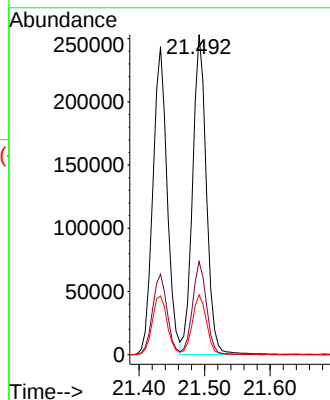
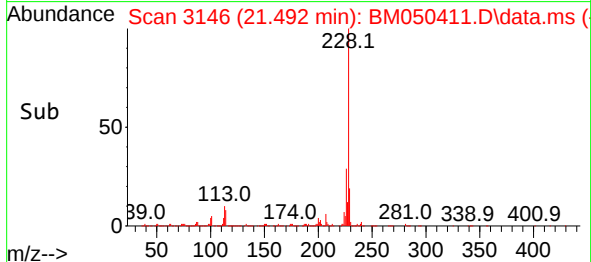
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



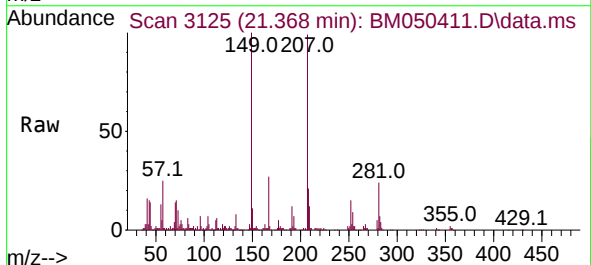
Tgt Ion:228 Resp: 369728
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 18.7 15.8 23.6

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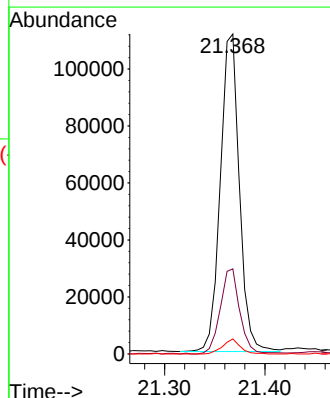
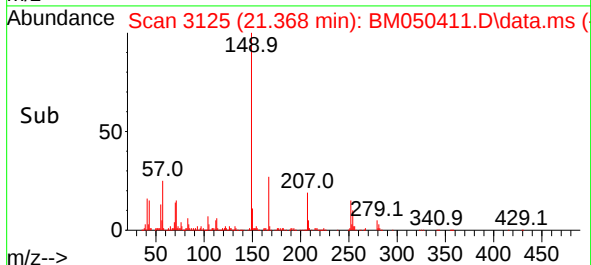
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

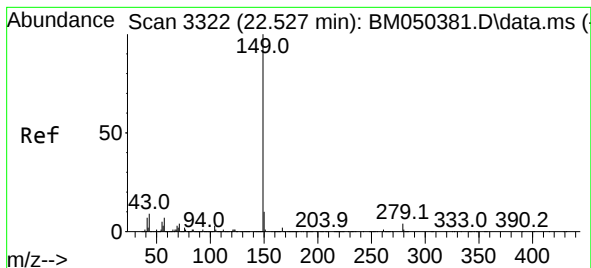


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.691 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.029 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42



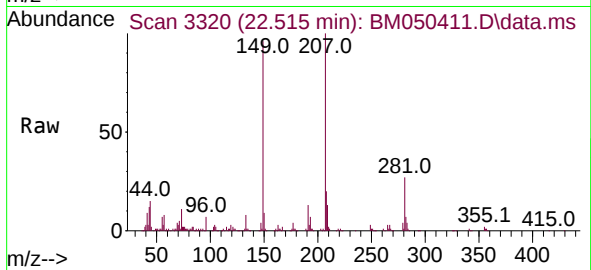
Tgt Ion:149 Resp: 147535
Ion Ratio Lower Upper
149 100
167 26.6 22.7 34.1
279 4.7 3.5 5.3





#85
Di-n-octyl phthalate
Concen: 2.161 ng
RT: 22.515 min Scan# 3322
Delta R.T. 0.030 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

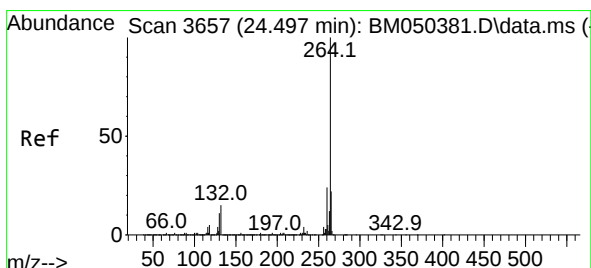
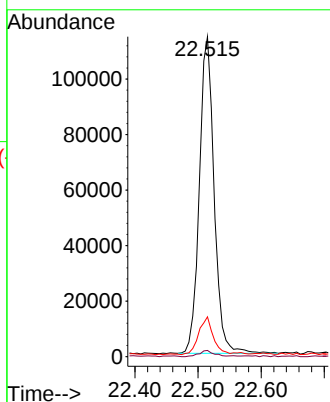
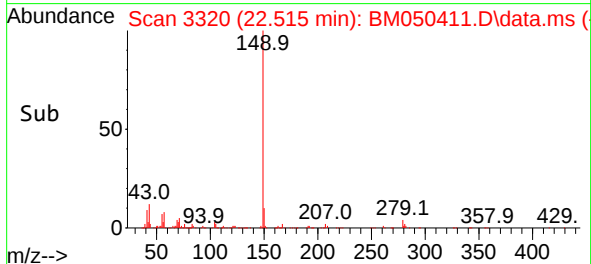
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:149 Resp: 185565
Ion Ratio Lower Upper
149 100
167 1.9 1.3 1.9
43 11.9 7.7 11.5

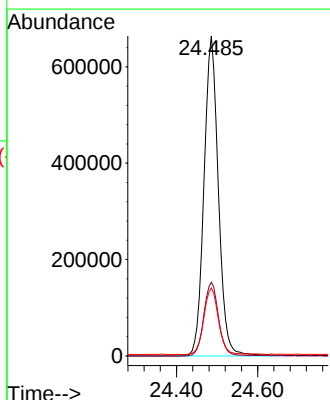
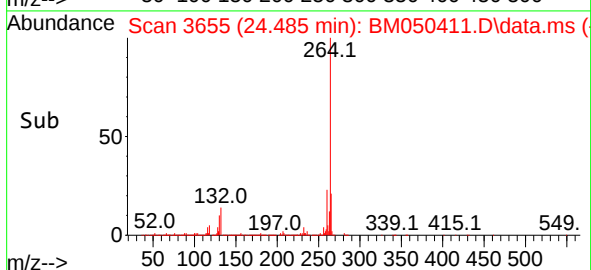
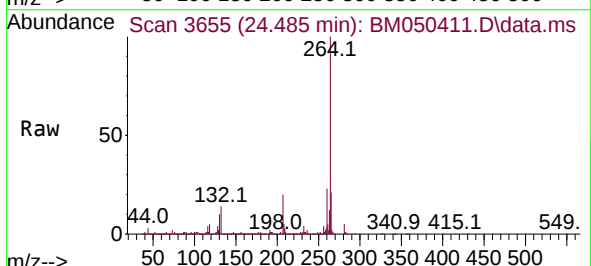
Manual Integrations
APPROVED

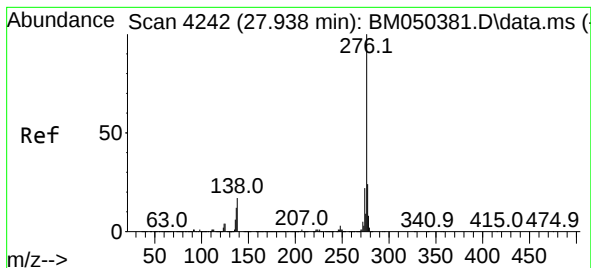
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3655
Delta R.T. 0.030 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:264 Resp: 1634276
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.148 ng

RT: 27.909 min Scan# 41

Delta R.T. 0.029 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:276 Resp: 365758

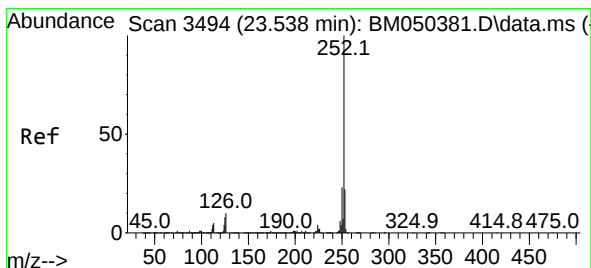
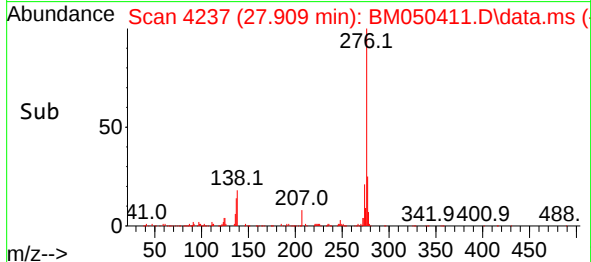
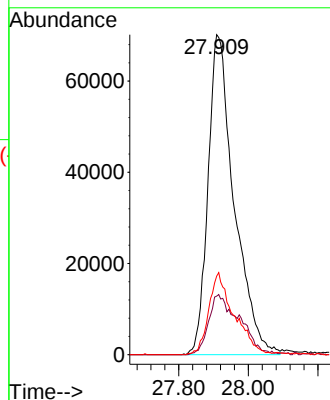
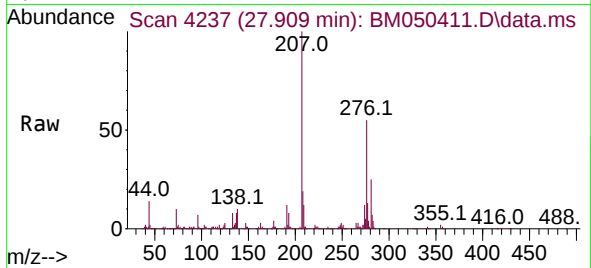
Ion	Ratio	Lower	Upper
276	100		
138	22.2	17.0	25.6
277	24.8	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#88

Benzo(b)fluoranthene

Concen: 3.232 ng

RT: 23.527 min Scan# 3492

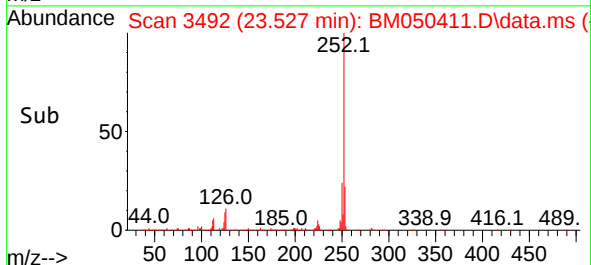
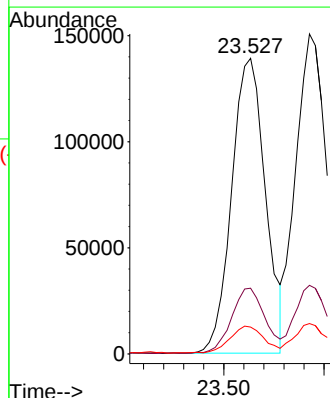
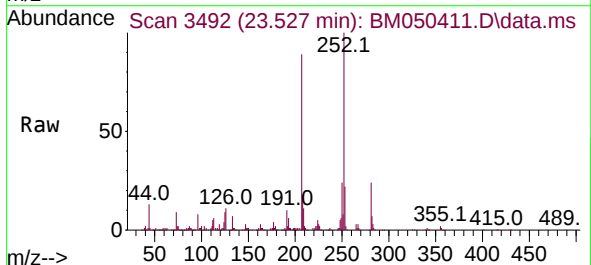
Delta R.T. 0.024 min

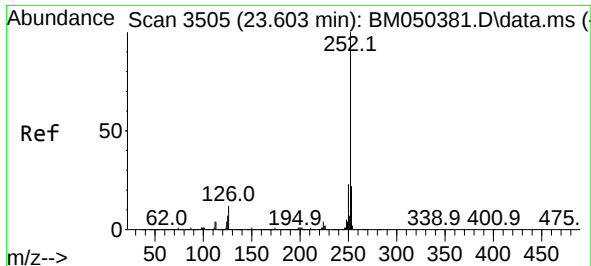
Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:252 Resp: 324875

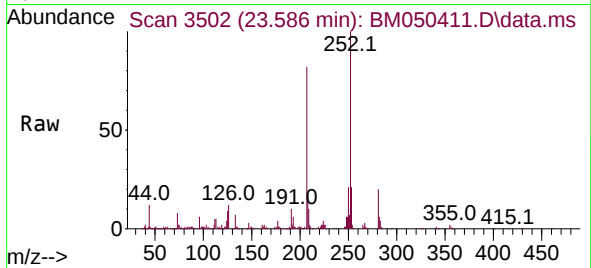
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.0	6.3	9.5





#89
Benzo(k)fluoranthene
Concen: 3.269 ng m
RT: 23.586 min Scan# 3505
Delta R.T. 0.018 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

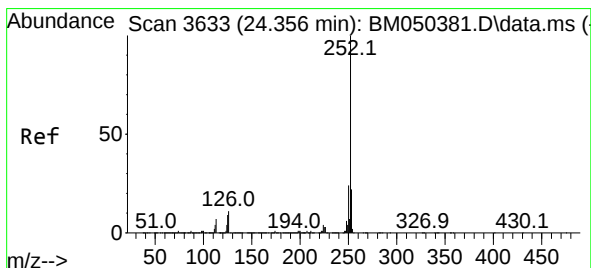
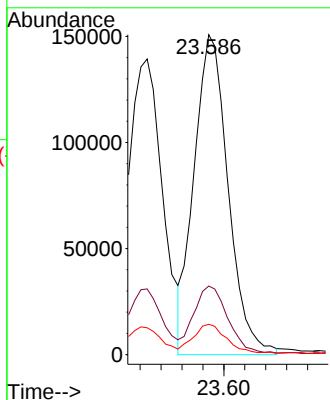
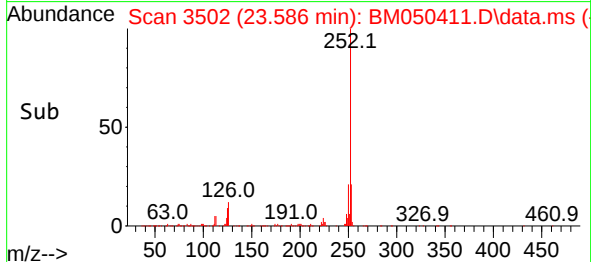
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:252 Resp: 340952
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 9.5 6.2 9.2

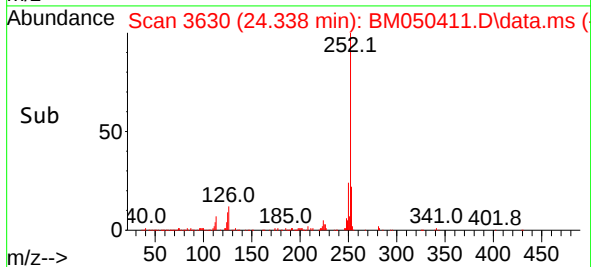
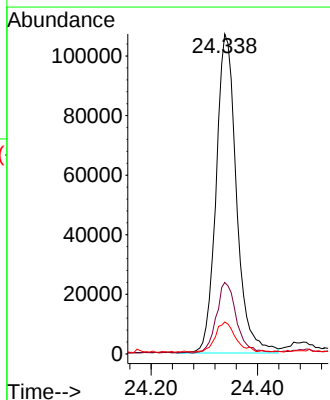
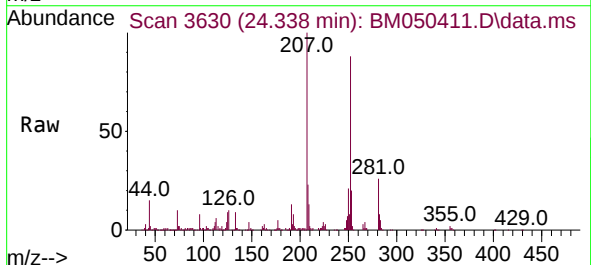
Manual Integrations
APPROVED

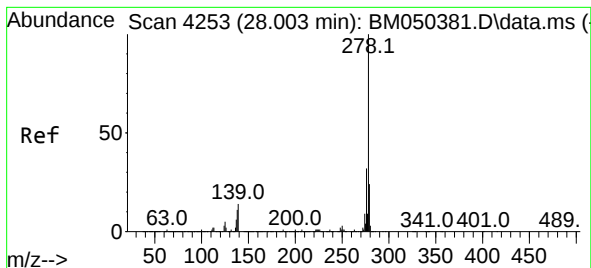
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#90
Benzo(a)pyrene
Concen: 3.024 ng
RT: 24.338 min Scan# 3630
Delta R.T. 0.024 min
Lab File: BM050411.D
Acq: 11 Jul 2025 13:42

Tgt Ion:252 Resp: 284518
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 10.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.204 ng

RT: 27.979 min Scan# 4419

Delta R.T. 0.035 min

Lab File: BM050411.D

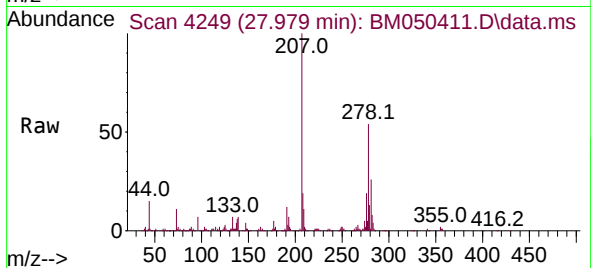
Acq: 11 Jul 2025 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:278 Resp: 313485

Ion Ratio Lower Upper

278 100

139 13.2 10.8 16.2

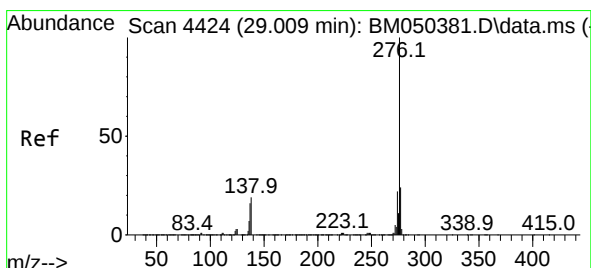
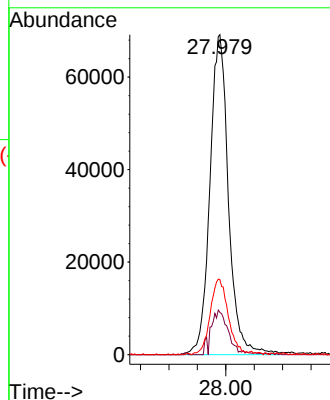
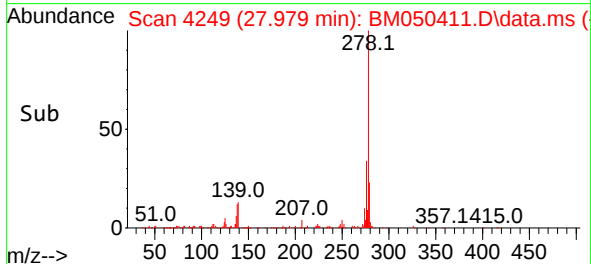
279 23.4 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#92

Benzo(g,h,i)perylene

Concen: 3.287 ng

RT: 28.979 min Scan# 4419

Delta R.T. 0.035 min

Lab File: BM050411.D

Acq: 11 Jul 2025 13:42

Tgt Ion:276 Resp: 304031

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 16.4 14.9 22.3

