

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049590.D
 Acq On : 06 Feb 2025 22:16
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:32:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	183370	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	667790	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	408793	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	774890	20.000	ng	0.00
76) Chrysene-d12	21.439	240	636922	20.000	ng	0.00
86) Perylene-d12	24.468	264	528165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1489935	130.662	ng	0.00
7) Phenol-d6	6.981	99	1916424	128.281	ng	0.00
23) Nitrobenzene-d5	8.975	82	1292134	99.528	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	602491	124.382	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3104272	98.373	ng	0.00
79) Terphenyl-d14	19.833	244	5419260	129.928	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	22246	4.640	ng	96
3) Pyridine	3.704	79	47421	3.559	ng	# 92
4) n-Nitrosodimethylamine	3.604	42	27182	4.361	ng	# 81
6) Aniline	7.145	93	58618	4.140	ng	99
8) 2-Chlorophenol	7.387	128	46801	4.110	ng	93
9) Benzaldehyde	6.957	77	52893	6.687	ng	95
10) Phenol	7.004	94	61926	4.209	ng	87
11) bis(2-Chloroethyl)ether	7.245	93	51061	4.289	ng	95
12) 1,3-Dichlorobenzene	7.716	146	57926	4.383	ng	97
13) 1,4-Dichlorobenzene	7.857	146	58731	4.393	ng	95
14) 1,2-Dichlorobenzene	8.175	146	55417	4.293	ng	99
15) Benzyl Alcohol	8.057	79	35670	3.432	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.345	45	75424	4.707	ng	98
17) 2-Methylphenol	8.257	107	32352	3.596	ng	95
18) Hexachloroethane	8.910	117	19704	4.035	ng	94
19) n-Nitroso-di-n-propyla...	8.628	70	36946	3.777	ng	98
20) 3+4-Methylphenols	8.581	107	40266	3.390	ng	97
22) Acetophenone	8.639	105	74430	4.138	ng	# 93
24) Nitrobenzene	9.016	77	62123	4.925	ng	97
25) Isophorone	9.545	82	92645	3.957	ng	100
26) 2-Nitrophenol	9.728	139	8398	4.283	ng	95
27) 2,4-Dimethylphenol	9.792	122	26080	3.523	ng	97
28) bis(2-Chloroethoxy)met...	10.033	93	59883	3.971	ng	98
29) 2,4-Dichlorophenol	10.263	162	29337	2.877	ng	96
30) 1,2,4-Trichlorobenzene	10.486	180	51198	4.099	ng	98
31) Naphthalene	10.669	128	139236	3.953	ng	98
32) Benzoic acid	9.792	122	26080	11.825	ng	# 14
33) 4-Chloroaniline	10.769	127	50602	3.839	ng	98
34) Hexachlorobutadiene	10.969	225	29758	3.978	ng	95
35) Caprolactam	11.504	113	7230	2.325	ng	89
36) 4-Chloro-3-methylphenol	11.892	107	28432	2.796	ng	93
37) 2-Methylnaphthalene	12.286	142	89980	3.629	ng	99
38) 1-Methylnaphthalene	12.504	142	84908	3.519	ng	96
40) 1,2,4,5-Tetrachloroben...	12.651	216	51891	3.861	ng	98
41) Hexachlorocyclopentadiene	12.645	237	8793	2.563	ng	96
43) 2,4,6-Trichlorophenol	12.886	196	16949	2.311	ng	93

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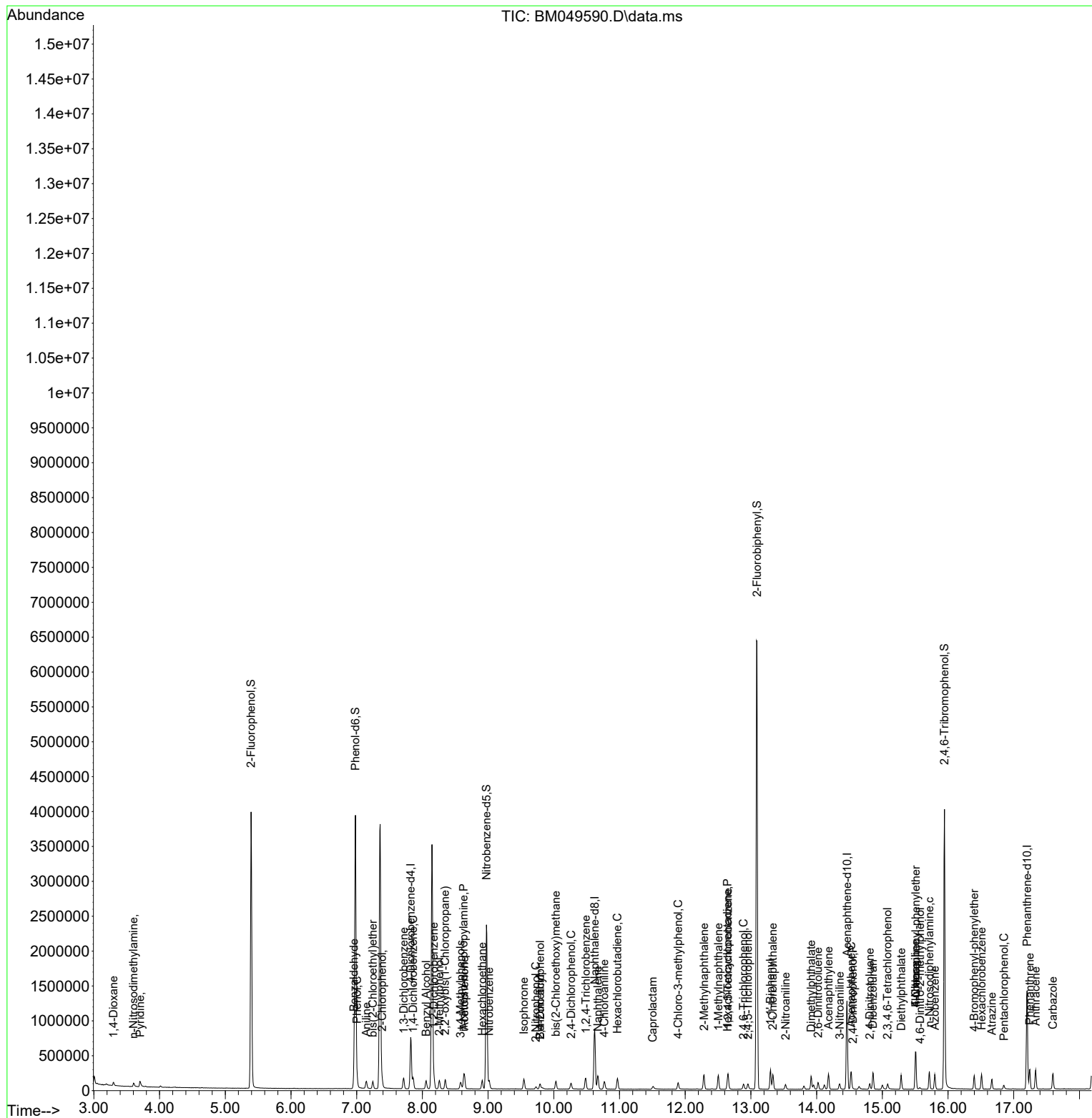
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	20325	2.522	ng	96
46) 1,1'-Biphenyl	13.298	154	127735	4.096	ng	99
47) 2-Chloronaphthalene	13.333	162	96246	3.989	ng	98
48) 2-Nitroaniline	13.527	65	15018	6.285	ng	95
49) Acenaphthylene	14.180	152	140915	3.961	ng	99
50) Dimethylphthalate	13.916	163	104864	3.572	ng	100
51) 2,6-Dinitrotoluene	14.021	165	15107	2.974	ng	# 77
52) Acenaphthene	14.527	154	85269	3.611	ng	98
53) 3-Nitroaniline	14.351	138	15029	2.906	ng	# 93
54) 2,4-Dinitrophenol	14.551	184	2207	4.933	ng	# 70
55) Dibenzofuran	14.857	168	139188	3.702	ng	98
57) 2,4-Dinitrotoluene	14.810	165	15628	5.094	ng	88
58) Fluorene	15.510	166	108265	3.366	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.080	232	16701	2.453	ng	# 97
60) Diethylphthalate	15.286	149	98990	3.355	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	58695	3.428	ng	98
62) 4-Nitroaniline	15.504	138	13921	6.108	ng	83
63) Azobenzene	15.798	77	117485	3.815	ng	96
65) 4,6-Dinitro-2-methylph...	15.574	198	2989	5.809	ng	92
66) n-Nitrosodiphenylamine	15.715	169	82922	3.393	ng	95
67) 4-Bromophenyl-phenylether	16.398	248	31352	3.483	ng	97
68) Hexachlorobenzene	16.509	284	37314	3.611	ng	94
69) Atrazine	16.668	200	22526	3.101	ng	96
70) Pentachlorophenol	16.851	266	9621	8.960	ng	92
71) Phenanthrene	17.245	178	163022	3.693	ng	99
72) Anthracene	17.333	178	149995	3.432	ng	98
73) Carbazole	17.598	167	133448	3.478	ng	97
74) Di-n-butylphthalate	18.186	149	123952	2.546	ng	# 98
75) Fluoranthene	19.256	202	164872	3.190	ng	98
77) Benzidine	19.439	184	13265	2.352	ng	98
78) Pyrene	19.615	202	176102	3.693	ng	99
81) Benzo(a)anthracene	21.421	228	160039	3.708	ng	98
82) 3,3'-Dichlorobenzidine	21.344	252	23474	2.021	ng	# 92
83) Chrysene	21.486	228	155224	3.838	ng	99
87) Indeno(1,2,3-cd)pyrene	27.891	276	110543	3.832	ng	# 91
88) Benzo(b)fluoranthene	23.515	252	118938	3.273	ng	98
89) Benzo(k)fluoranthene	23.515	252	118938	3.370	ng	98
90) Benzo(a)pyrene	24.327	252	94963	3.298	ng	93
91) Dibenzo(a,h)anthracene	27.956	278	76570	3.359	ng	94
92) Benzo(g,h,i)perylene	28.950	276	90449	3.552	ng	98

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

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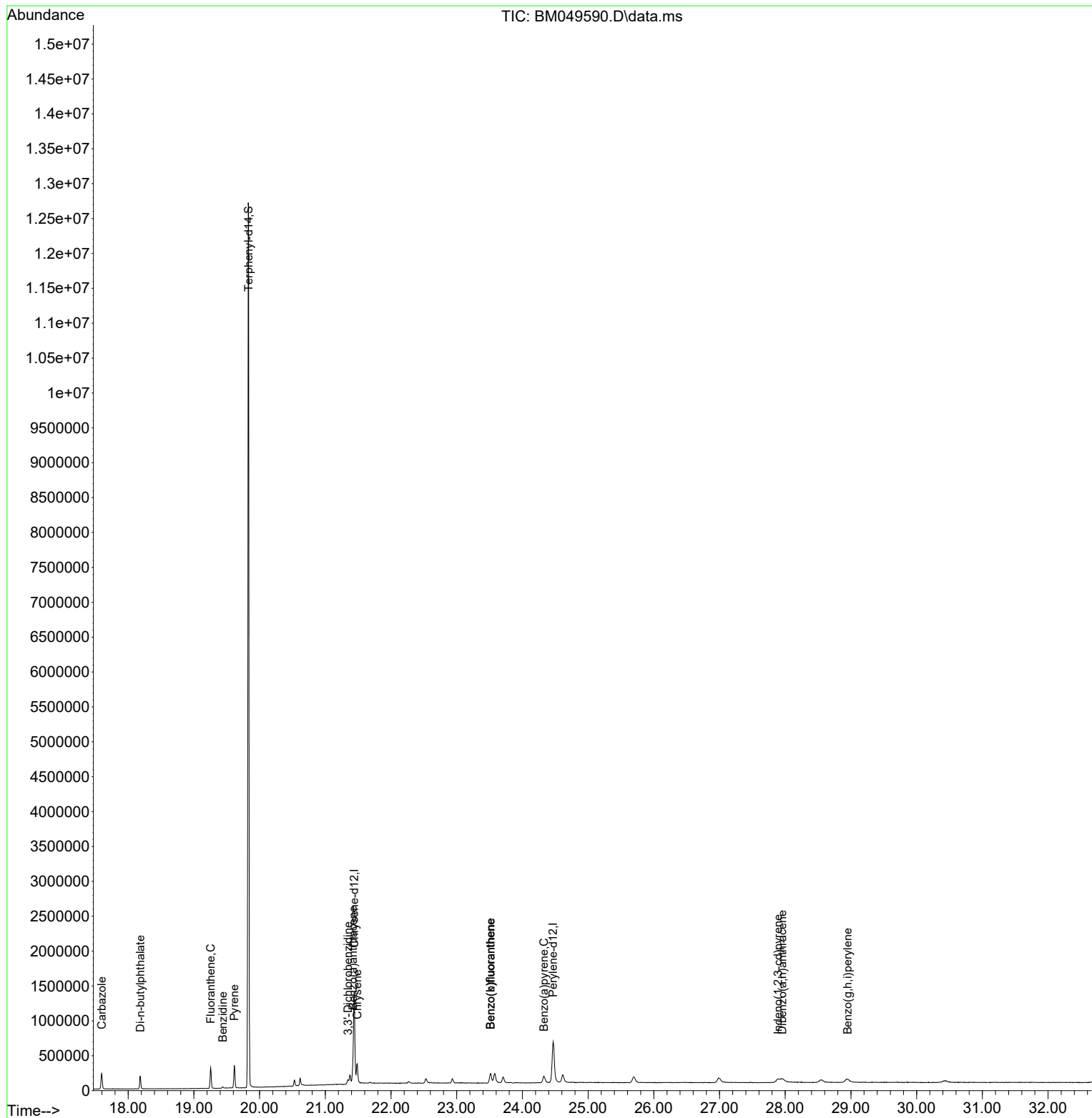
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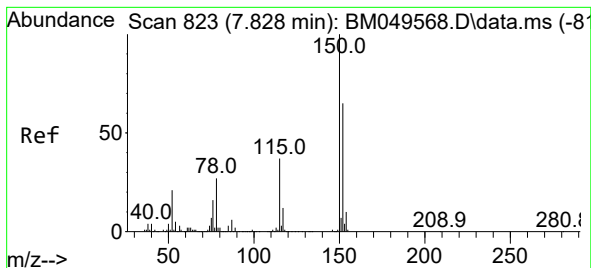


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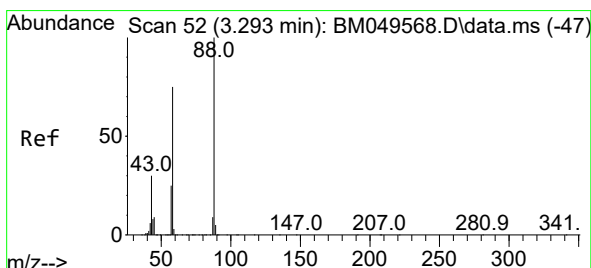
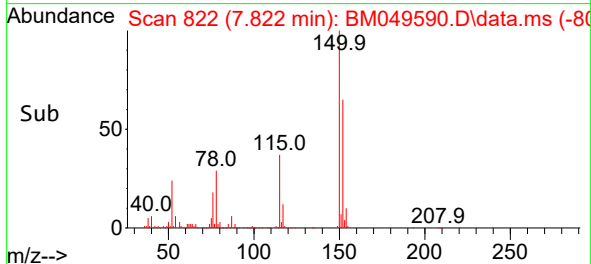
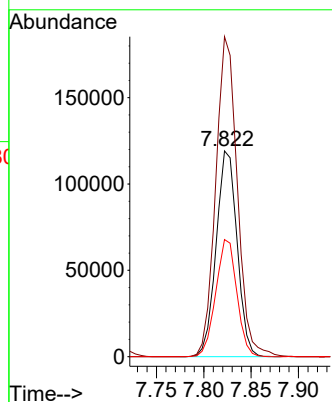
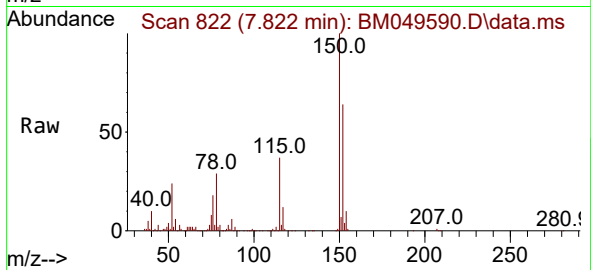




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.822 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM049590.D
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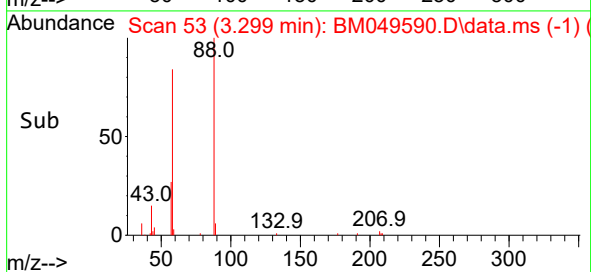
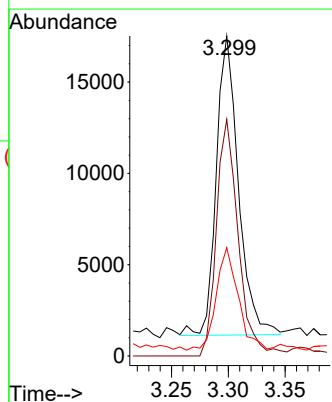
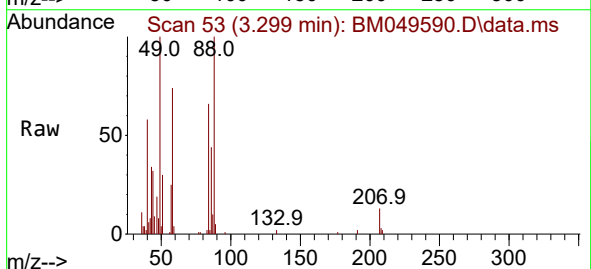
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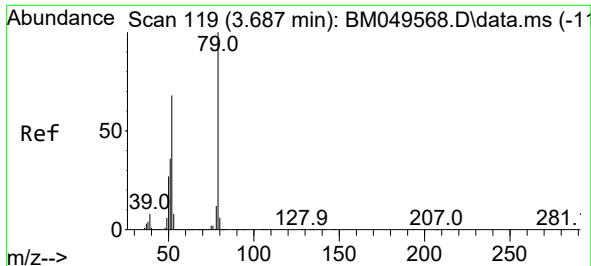
Tgt Ion:152 Resp: 183370
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.6 184.0
 115 56.9 45.4 68.0



#2
 1,4-Dioxane
 Concen: 4.640 ng
 RT: 3.299 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM049590.D
 Acq: 06 Feb 2025 22:16

Tgt Ion: 88 Resp: 22246
 Ion Ratio Lower Upper
 88 100
 58 77.9 60.0 90.0
 43 33.8 24.4 36.6

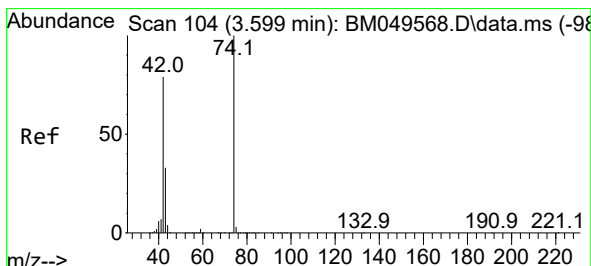
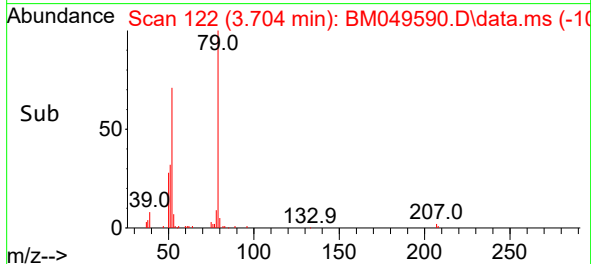
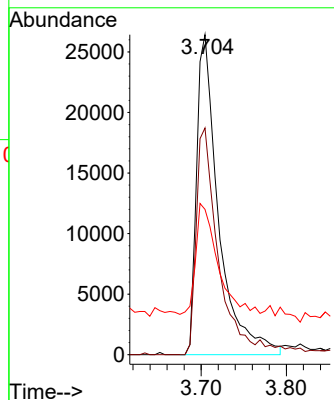
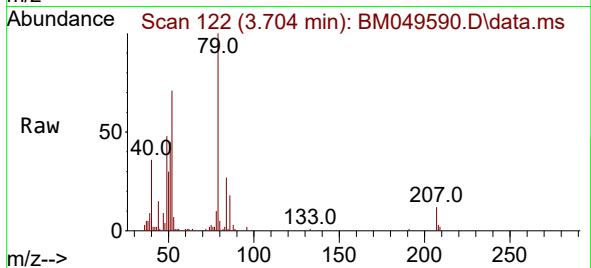




#3
Pyridine
Concen: 3.559 ng
RT: 3.704 min Scan# 119
Delta R.T. 0.018 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

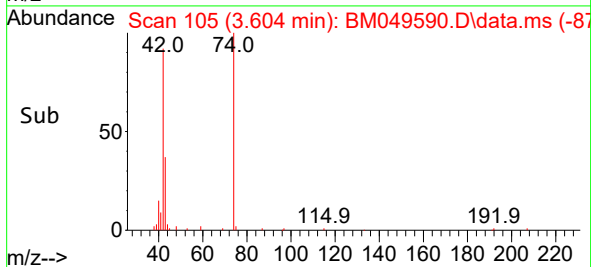
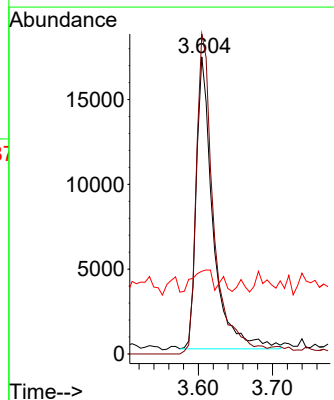
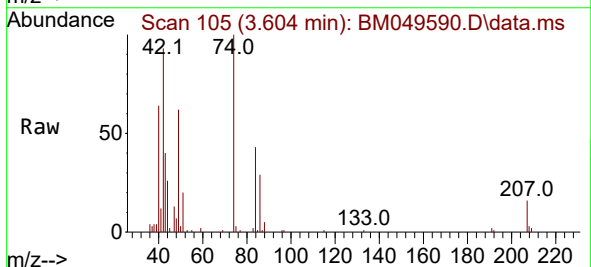
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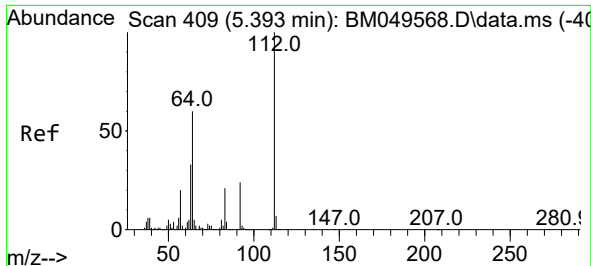
Tgt Ion: 79 Resp: 47421
Ion Ratio Lower Upper
79 100
52 70.9 54.5 81.7
51 45.4 29.0 43.6#



#4
n-Nitrosodimethylamine
Concen: 4.361 ng
RT: 3.604 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 42 Resp: 27182
Ion Ratio Lower Upper
42 100
74 107.7 101.3 151.9
44 27.9 6.5 9.7#

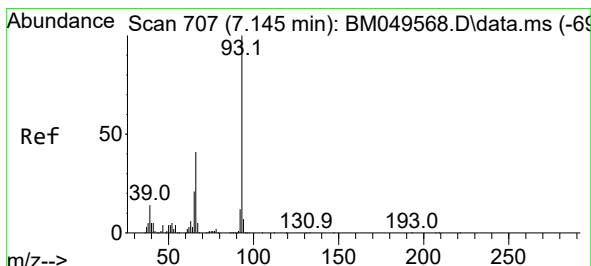
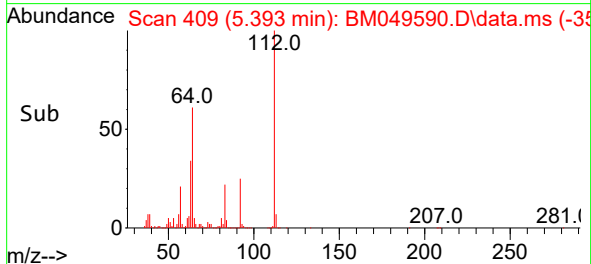
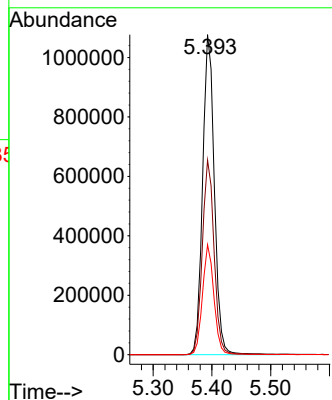
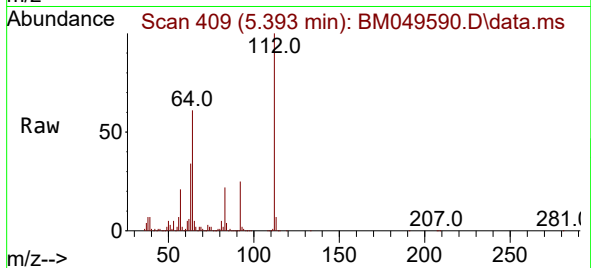




#5
2-Fluorophenol
Concen: 130.662 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049590.D
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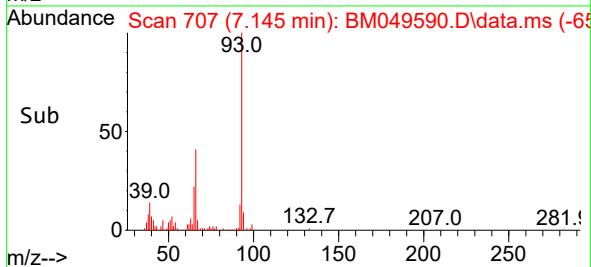
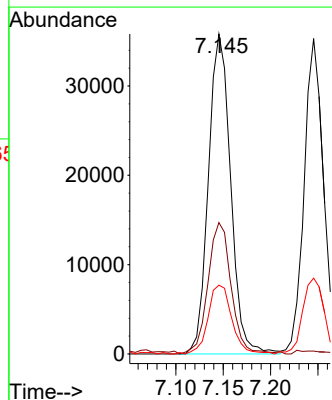
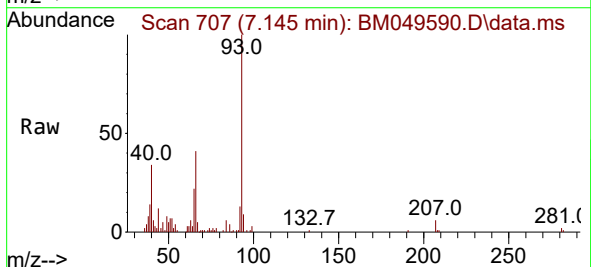
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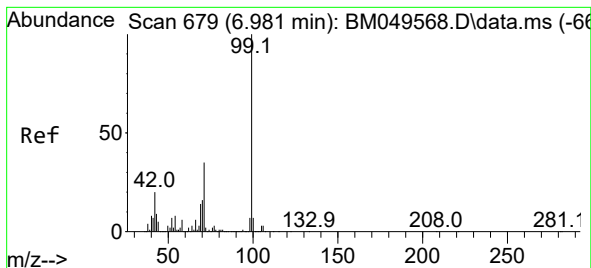
Tgt Ion:112 Resp: 1489935
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 34.4 26.2 39.4



#6
Aniline
Concen: 4.140 ng
RT: 7.145 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 93 Resp: 58618
Ion Ratio Lower Upper
93 100
66 41.1 33.3 49.9
65 21.5 16.8 25.2





#7

Phenol-d6

Concen: 128.281 ng

RT: 6.981 min Scan# 679

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

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BNA_M

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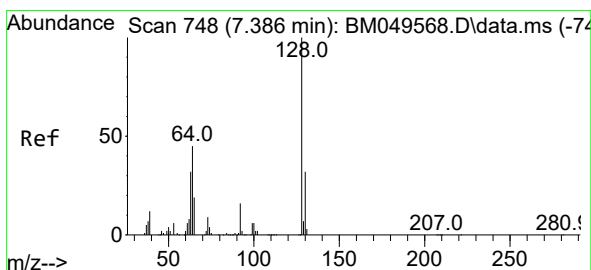
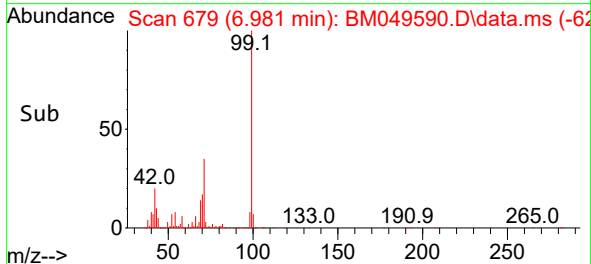
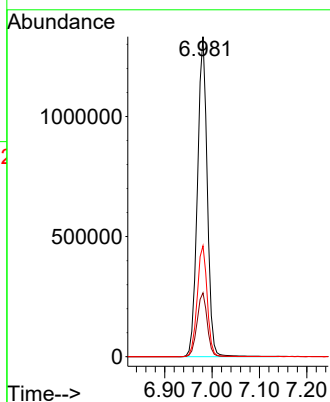
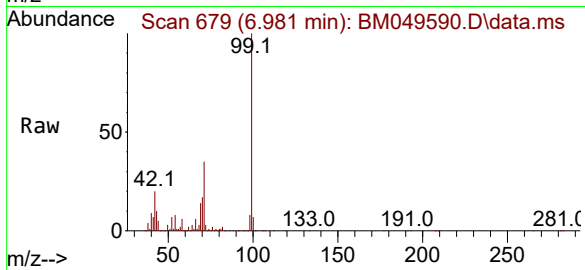
Tgt Ion: 99 Resp: 1916424

Ion Ratio Lower Upper

99 100

42 20.0 16.0 24.0

71 34.7 27.8 41.6



#8

2-Chlorophenol

Concen: 4.110 ng

RT: 7.387 min Scan# 748

Delta R.T. 0.000 min

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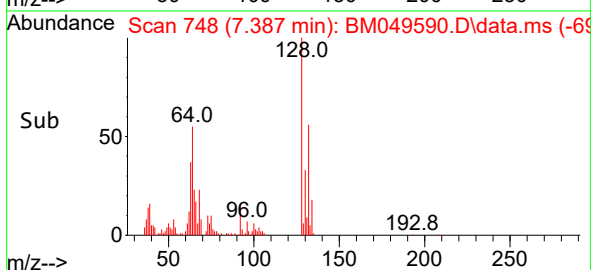
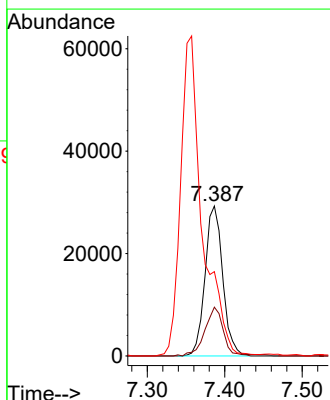
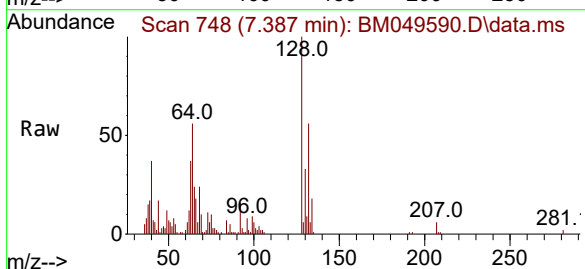
Tgt Ion:128 Resp: 46801

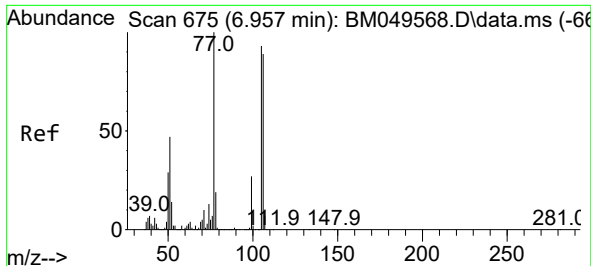
Ion Ratio Lower Upper

128 100

130 32.5 12.4 52.4

64 56.3 28.7 68.7

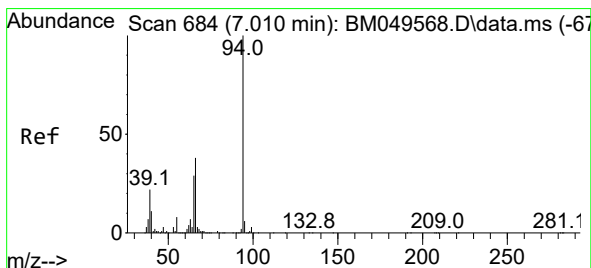
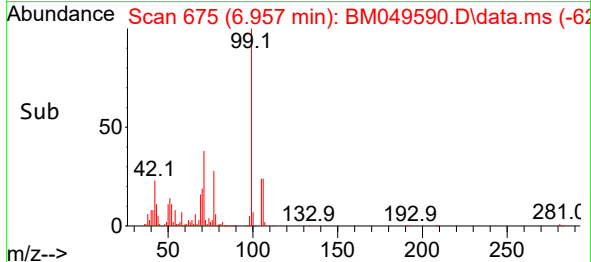
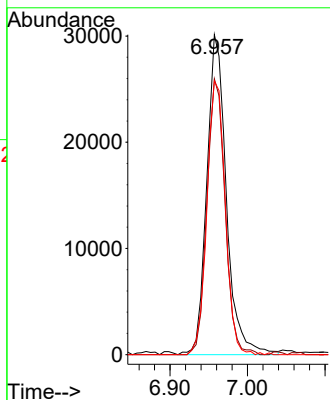
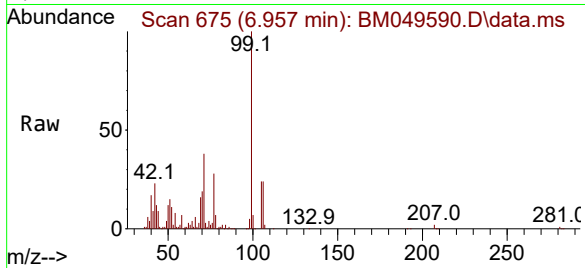




#9
Benzaldehyde
Concen: 6.687 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
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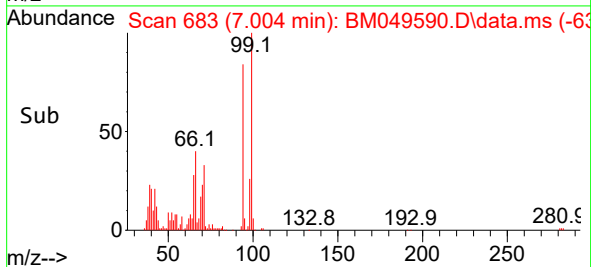
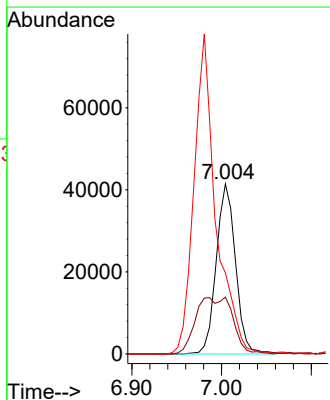
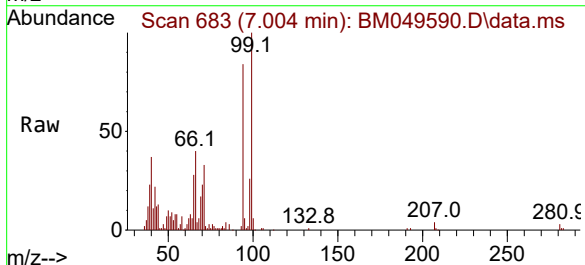
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

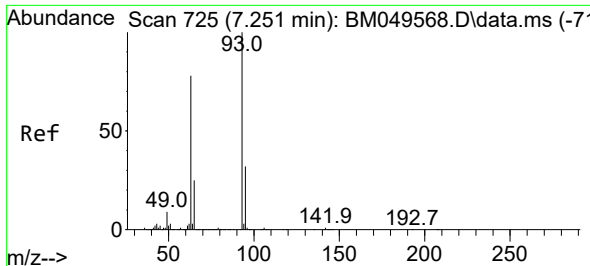
Tgt Ion: 77 Resp: 52893
Ion Ratio Lower Upper
77 100
105 86.2 72.7 112.7
106 85.6 68.9 108.9



#10
Phenol
Concen: 4.209 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 94 Resp: 61926
Ion Ratio Lower Upper
94 100
65 33.4 9.3 49.3
66 47.7 17.7 57.7

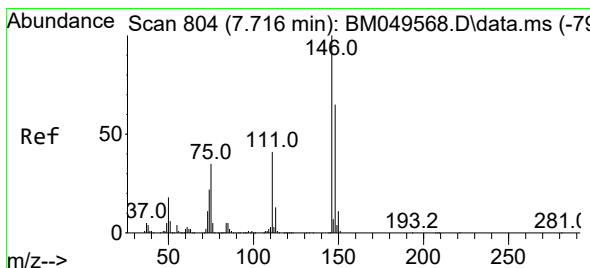
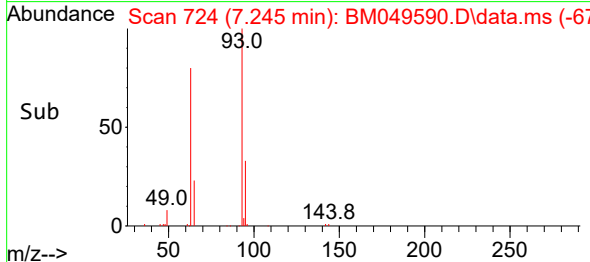
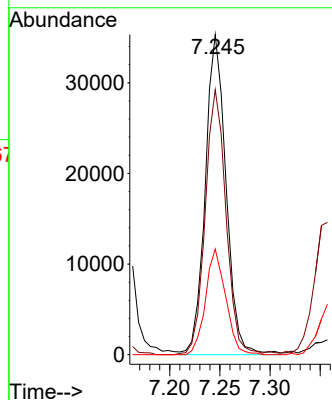
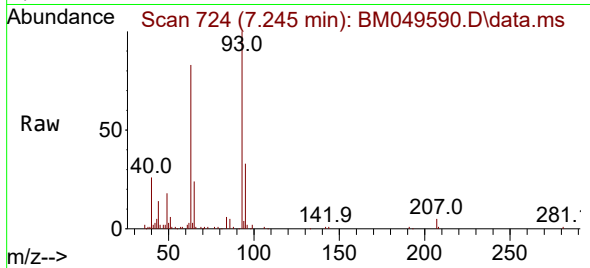




#11
bis(2-Chloroethyl)ether
Concen: 4.289 ng
RT: 7.245 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

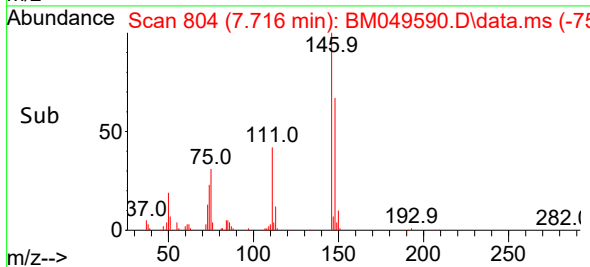
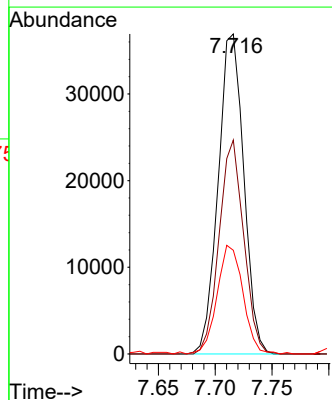
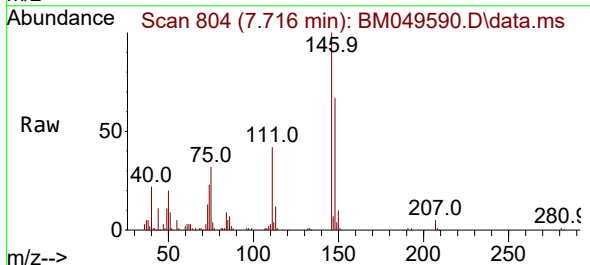
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

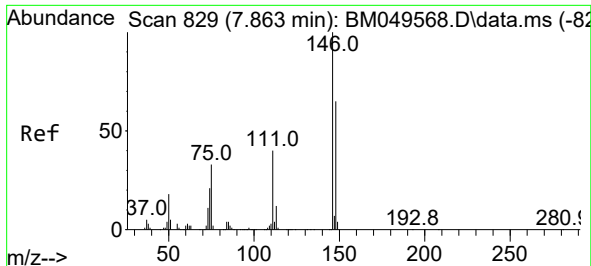
Tgt Ion: 93	Resp: 51061
Ion Ratio	Lower Upper
93 100	
63 82.8	57.3 97.3
95 33.0	12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 4.383 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 146	Resp: 57926
Ion Ratio	Lower Upper
146 100	
148 66.9	52.2 78.2
75 32.4	28.3 42.5

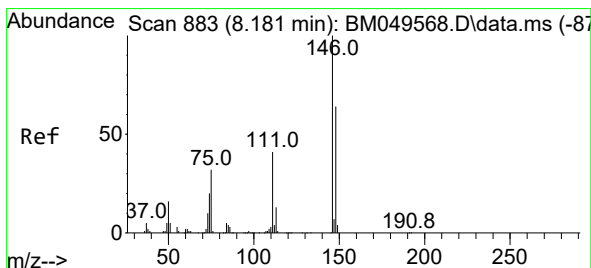
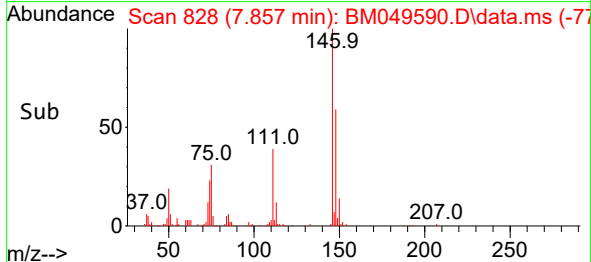
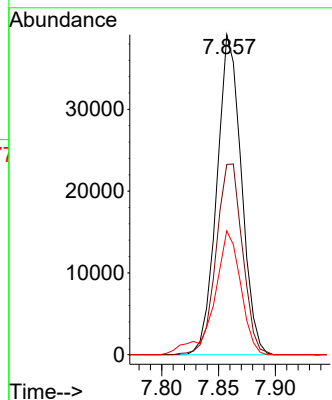
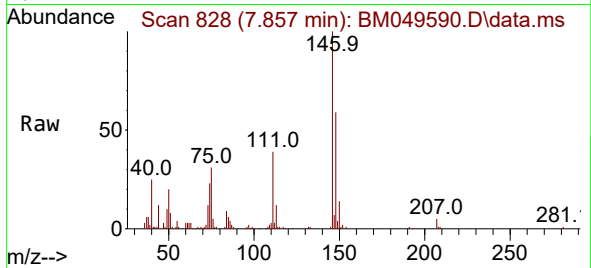




#13
1,4-Dichlorobenzene
Concen: 4.393 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

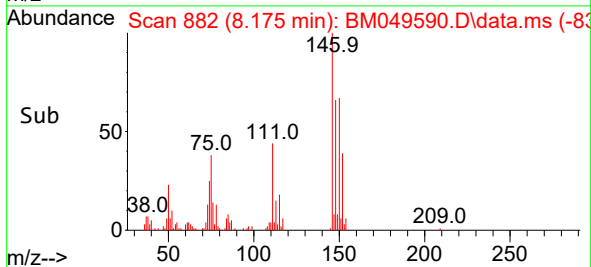
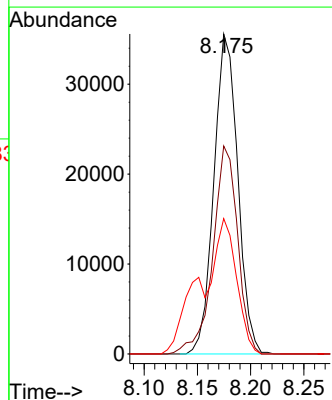
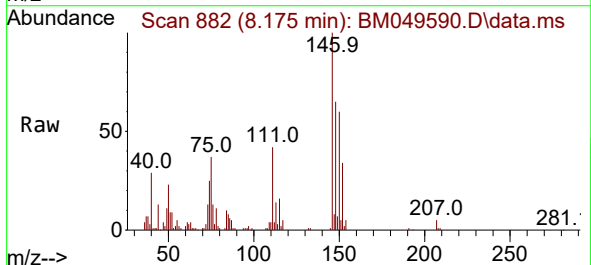
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

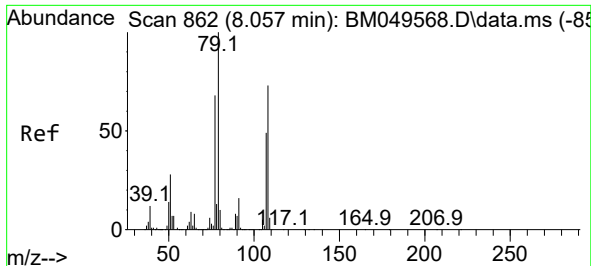
Tgt Ion:146 Resp: 58731
Ion Ratio Lower Upper
146 100
148 59.4 52.1 78.1
111 38.7 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 4.293 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:146 Resp: 55417
Ion Ratio Lower Upper
146 100
148 65.0 51.5 77.3
111 42.3 33.4 50.0

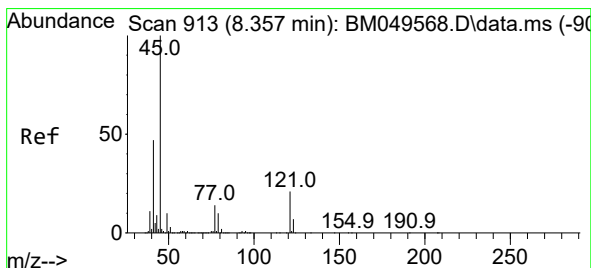
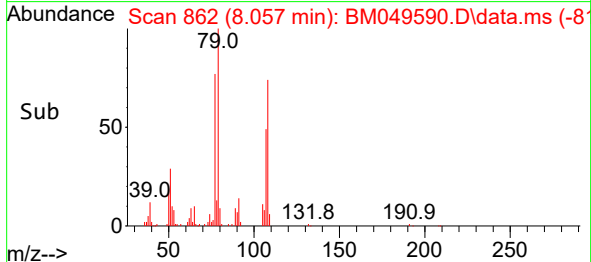
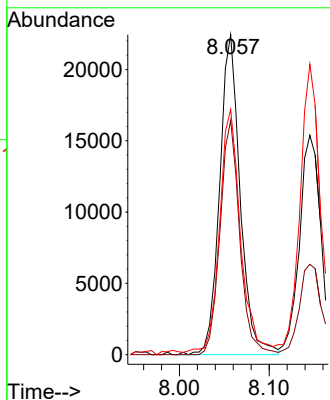
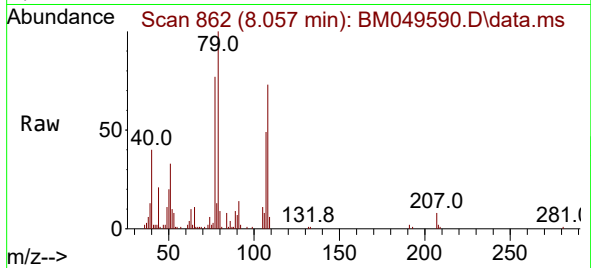




#15
Benzyl Alcohol
Concen: 3.432 ng
RT: 8.057 min Scan# 862
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

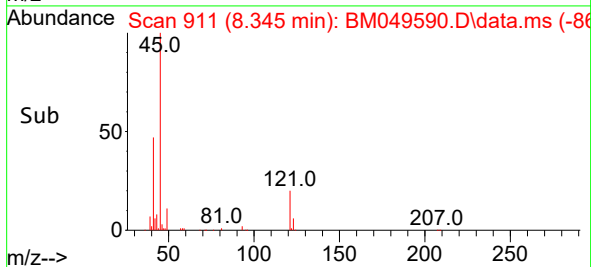
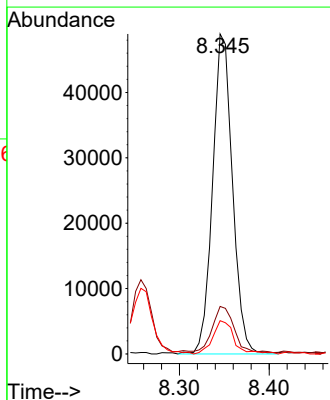
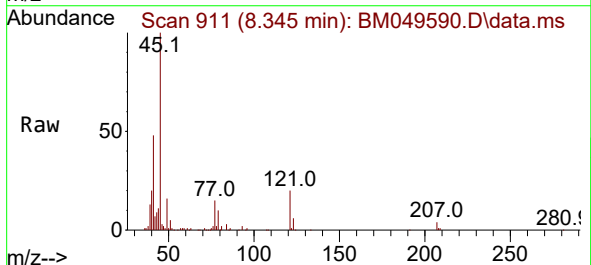
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

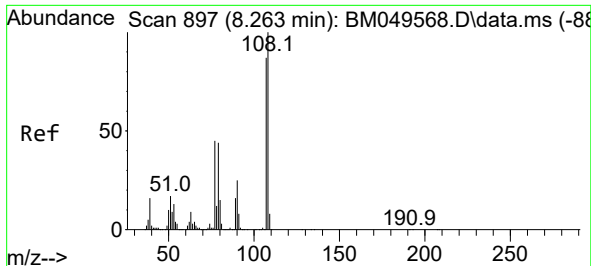
Tgt Ion: 79 Resp: 35670
Ion Ratio Lower Upper
79 100
108 73.2 58.6 88.0
77 76.6 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.707 ng
RT: 8.345 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 45 Resp: 75424
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.0
79 10.4 0.0 30.8

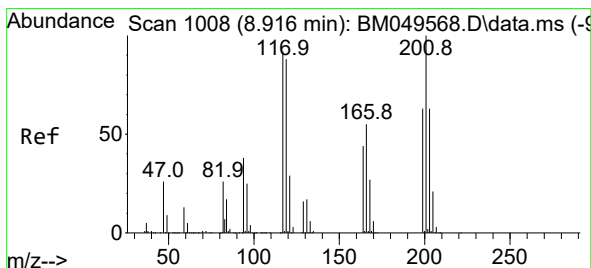
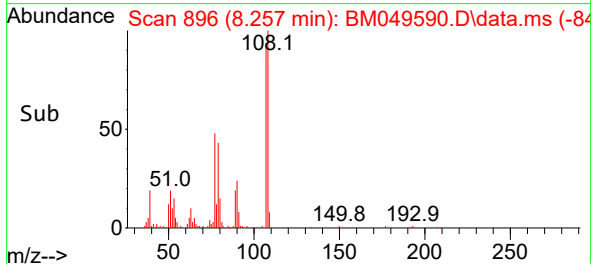
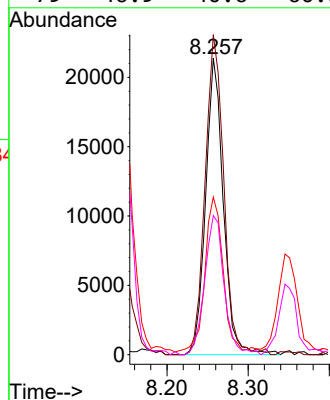
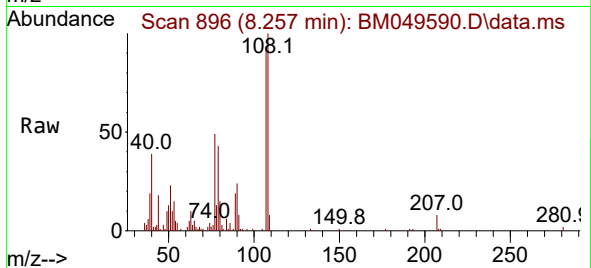




#17
2-Methylphenol
Concen: 3.596 ng
RT: 8.257 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

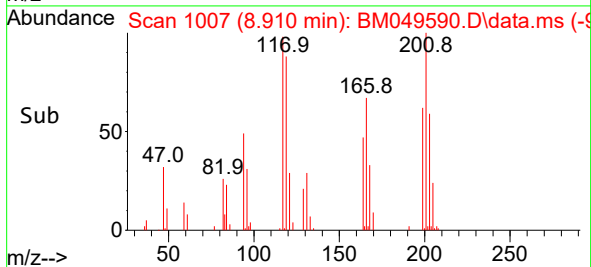
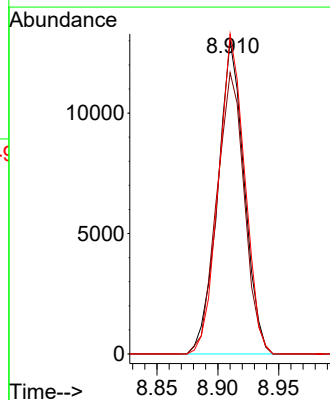
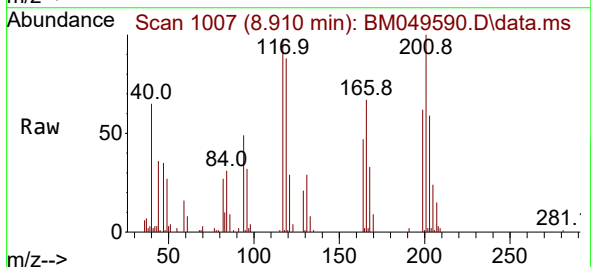
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

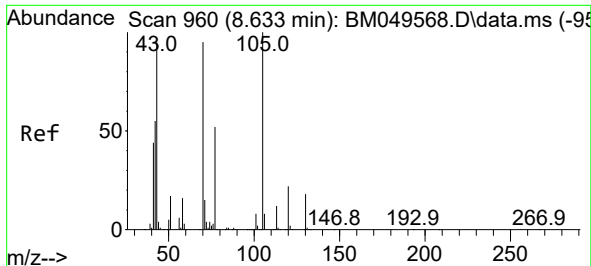
Tgt Ion:	107	Resp:	32352
Ion	Ratio	Lower	Upper
107	100		
108	107.9	92.2	138.4
77	53.1	41.3	61.9
79	46.9	40.6	60.8



#18
Hexachloroethane
Concen: 4.035 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:	117	Resp:	19704
Ion	Ratio	Lower	Upper
117	100		
119	89.7	76.8	115.2
201	102.1	87.0	130.6

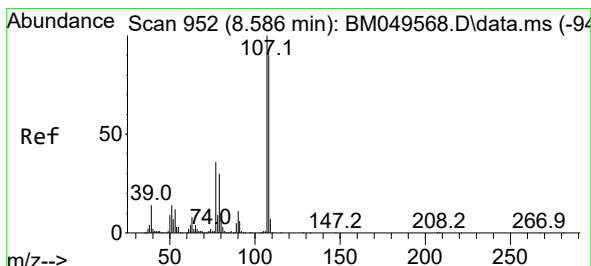
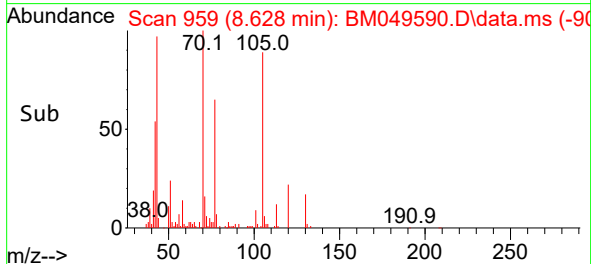
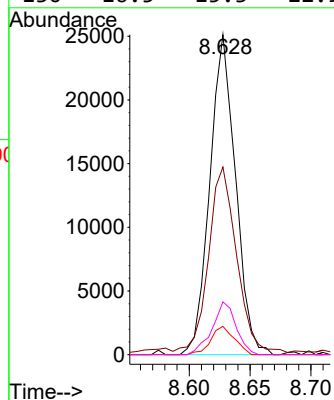
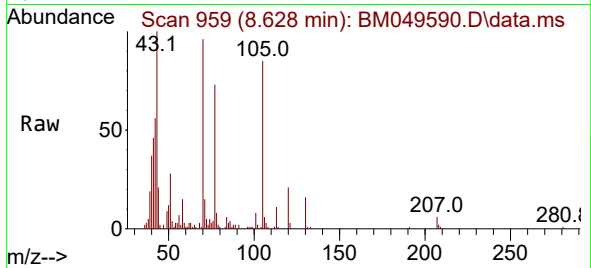




#19
n-Nitroso-di-n-propylamine
Concen: 3.777 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

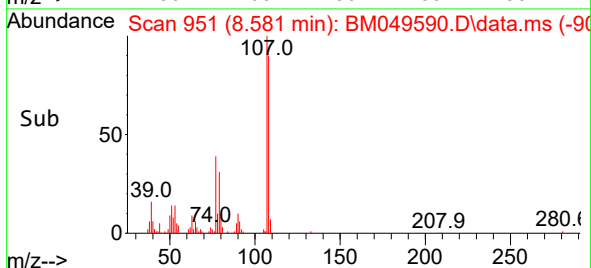
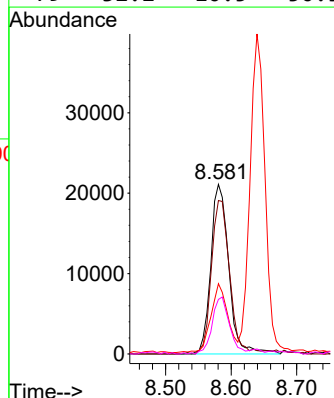
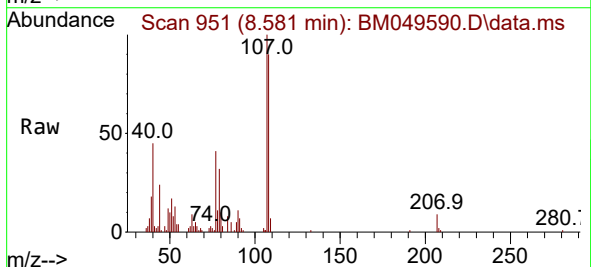
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

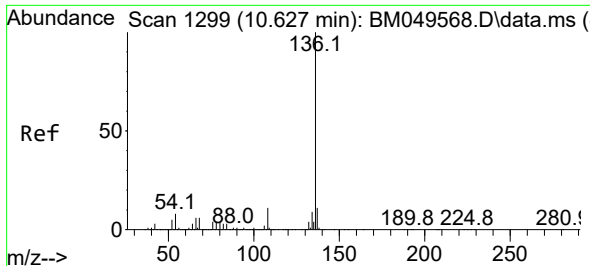
Tgt Ion: 70 Resp: 36946
Ion Ratio Lower Upper
70 100
42 58.7 47.4 71.2
101 8.9 7.1 10.7
130 16.5 15.3 22.9



#20
3+4-Methylphenols
Concen: 3.390 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 107 Resp: 40266
Ion Ratio Lower Upper
107 100
108 90.5 69.6 109.6
77 41.4 16.0 56.0
79 32.2 10.5 50.5

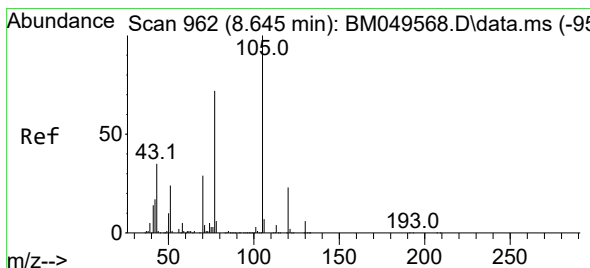
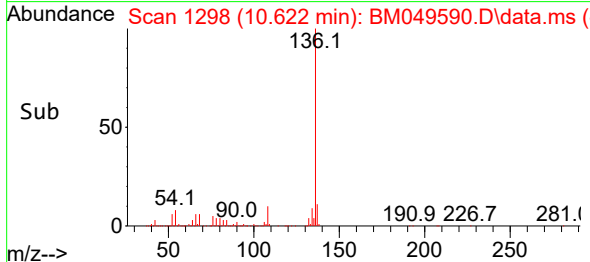
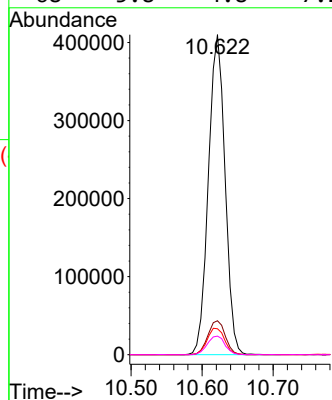
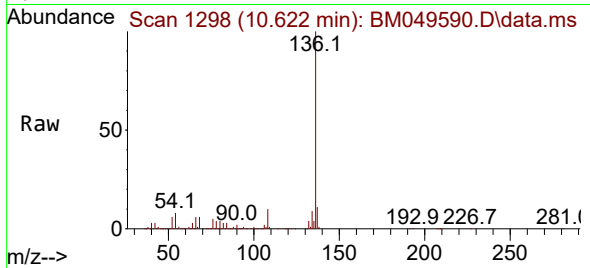




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

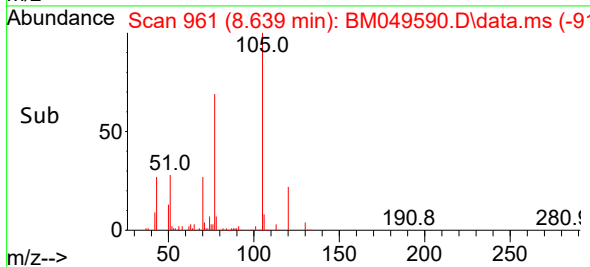
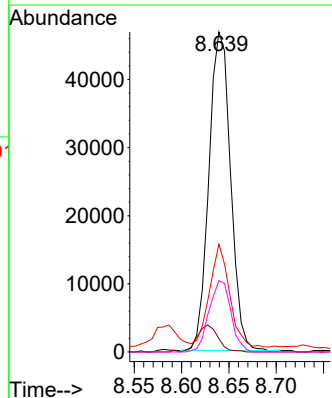
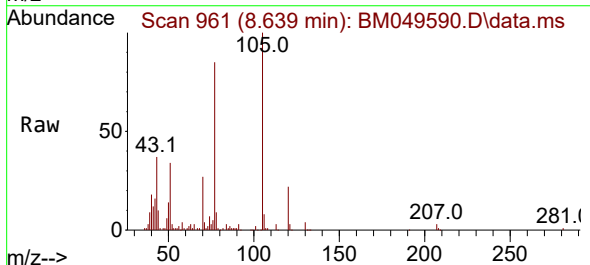
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

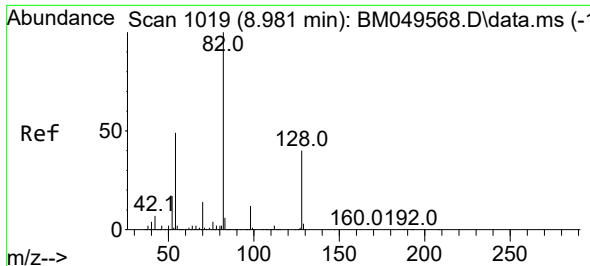
Tgt Ion:136 Resp: 667790
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.1 6.6 10.0
68 5.8 4.8 7.2



#22
Acetophenone
Concen: 4.138 ng
RT: 8.639 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:105 Resp: 74430
Ion Ratio Lower Upper
105 100
71 4.2 3.5 5.3
51 33.6 21.7 32.5#
120 22.3 18.1 27.1

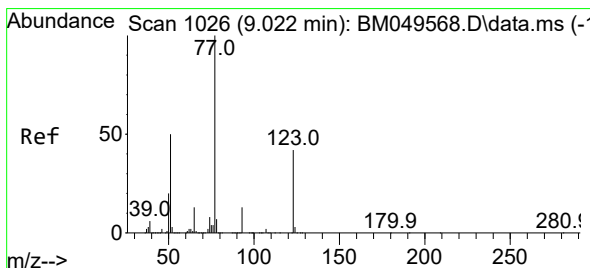
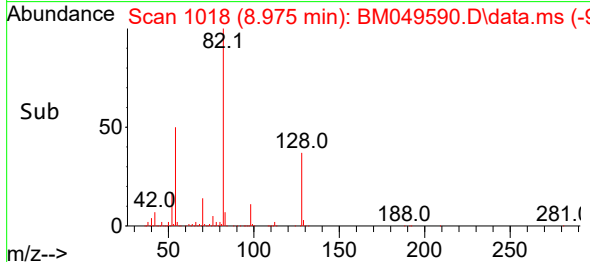
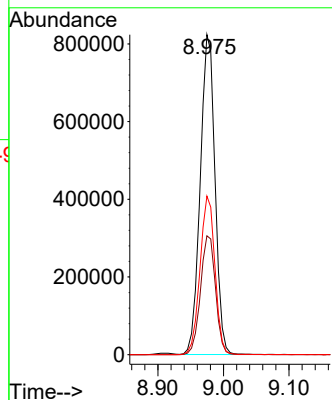
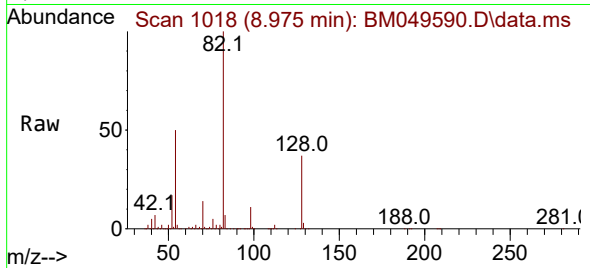




#23
Nitrobenzene-d5
Concen: 99.528 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

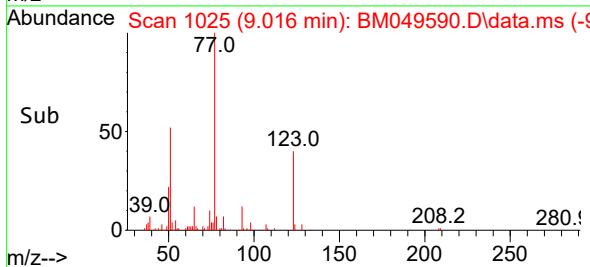
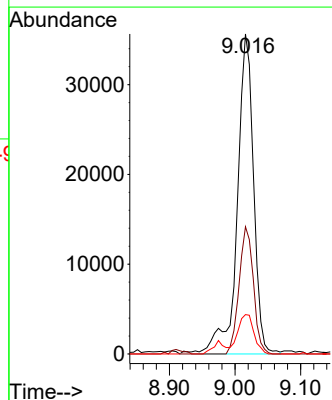
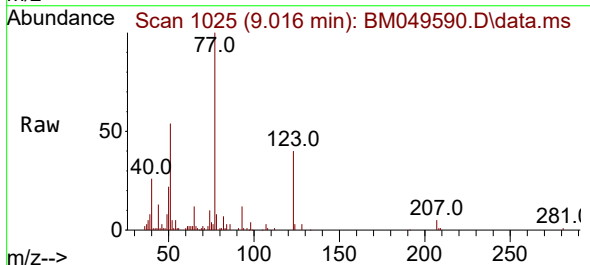
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

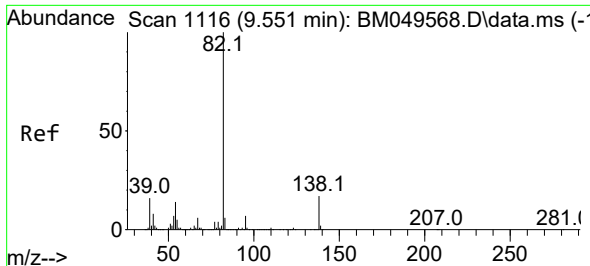
Tgt Ion: 82 Resp: 1292134
Ion Ratio Lower Upper
82 100
128 37.2 31.6 47.4
54 49.6 39.4 59.0



#24
Nitrobenzene
Concen: 4.925 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 77 Resp: 62123
Ion Ratio Lower Upper
77 100
123 39.7 33.4 50.2
65 12.3 10.5 15.7





#25

Isophorone

Concen: 3.957 ng

RT: 9.545 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

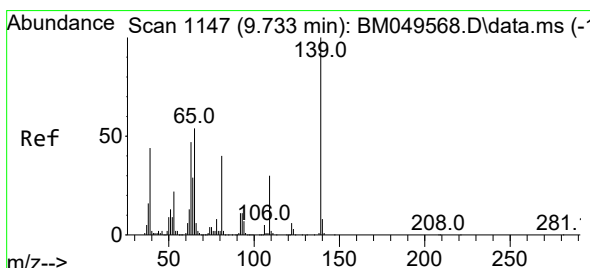
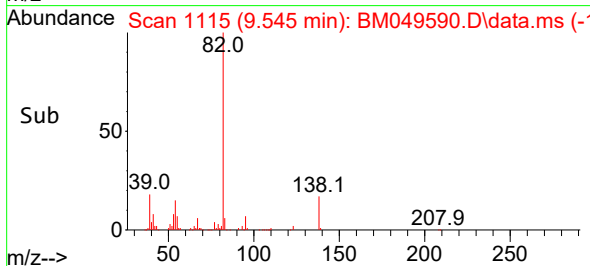
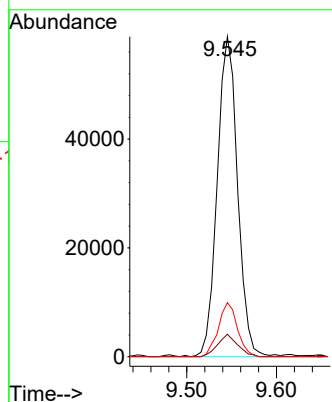
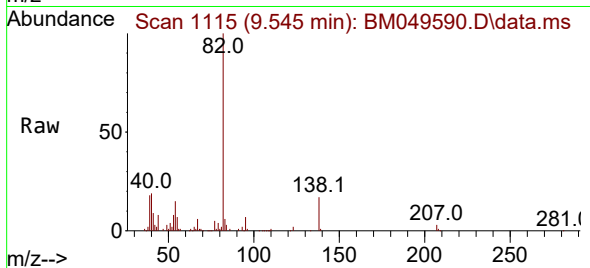
Tgt Ion: 82 Resp: 92645

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

138 16.9 13.6 20.4



#26

2-Nitrophenol

Concen: 4.283 ng

RT: 9.728 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

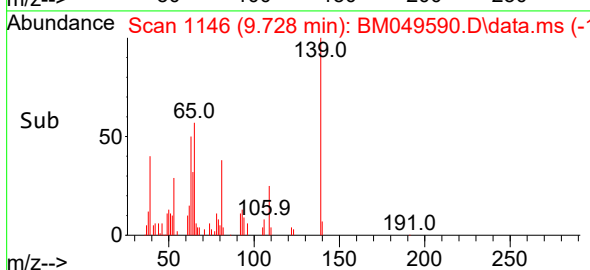
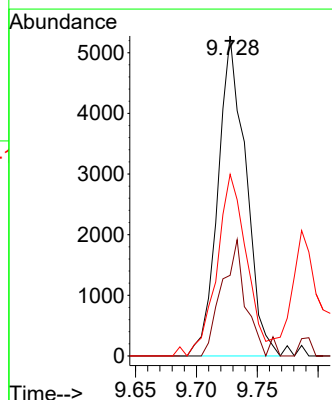
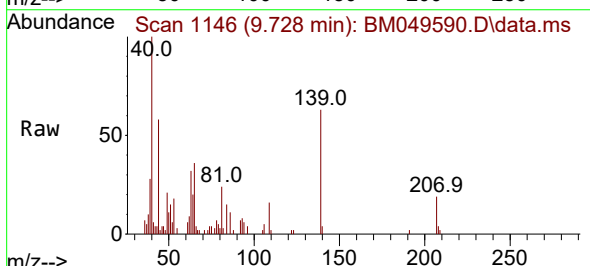
Tgt Ion: 139 Resp: 8398

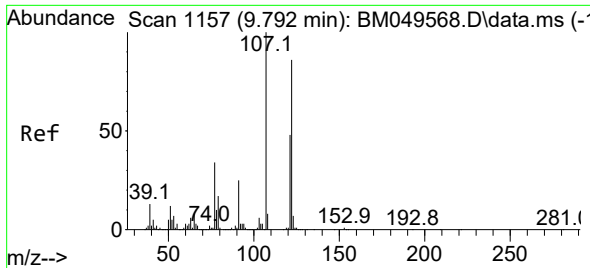
Ion Ratio Lower Upper

139 100

109 25.2 24.2 36.2

65 56.7 43.4 65.2

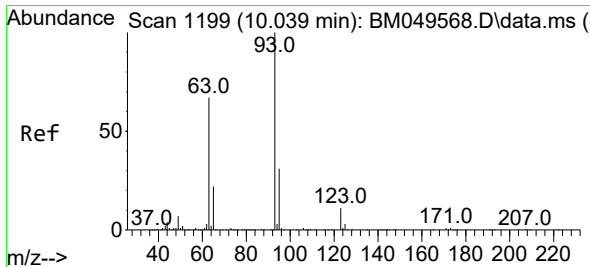
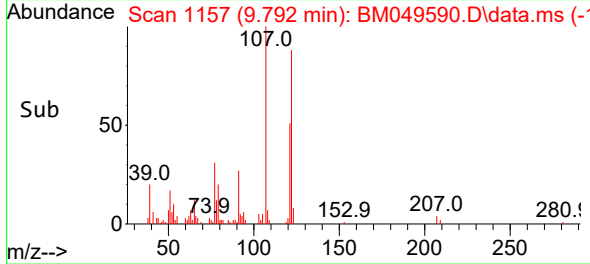
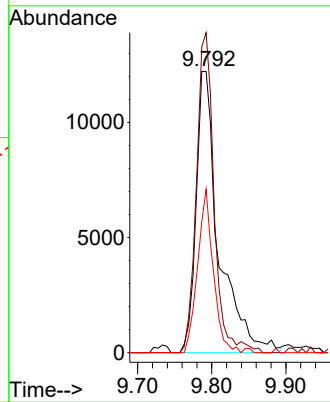
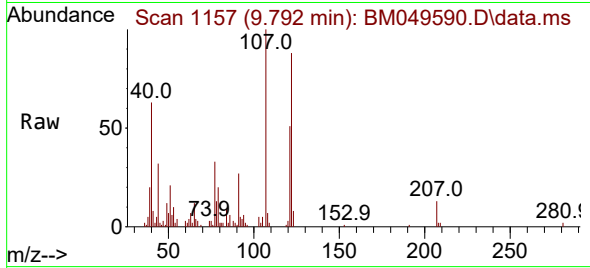




#27
2,4-Dimethylphenol
Concen: 3.523 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

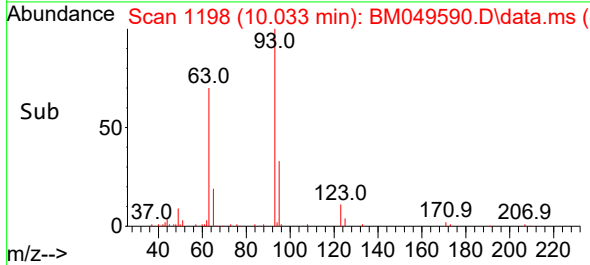
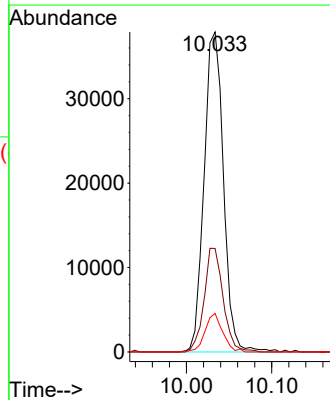
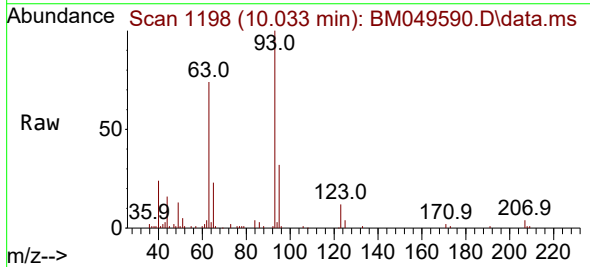
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

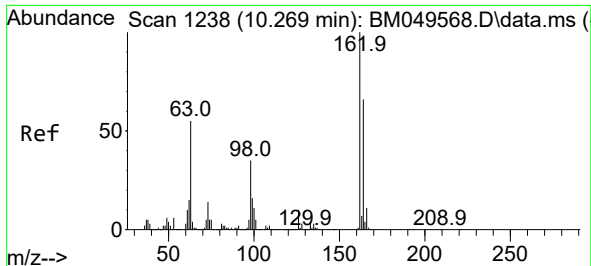
Tgt Ion:	122	Resp:	26080
Ion	Ratio	Lower	Upper
122	100		
107	113.7	93.2	139.8
121	58.1	44.4	66.6



#28
bis(2-Chloroethoxy)methane
Concen: 3.971 ng
RT: 10.033 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:	93	Resp:	59883
Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.2	37.8
123	12.1	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 2.877 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049590.D

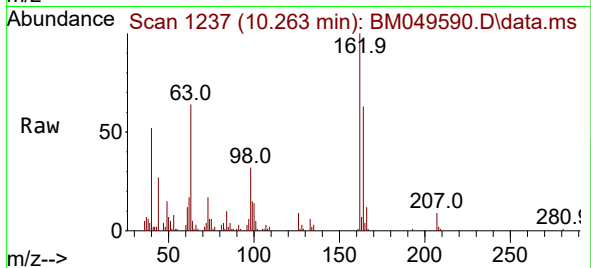
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



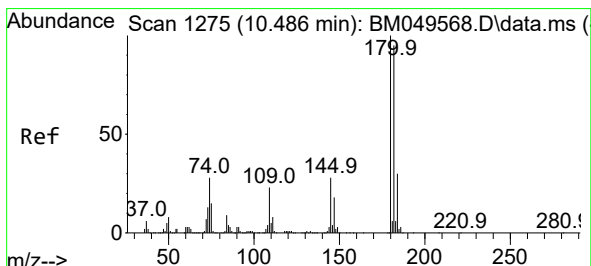
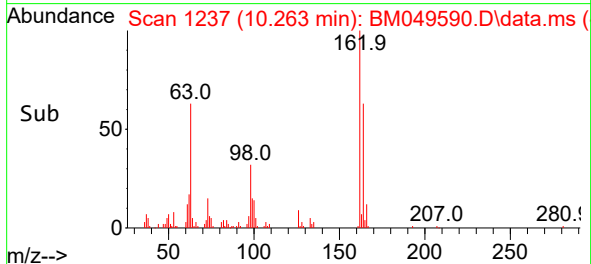
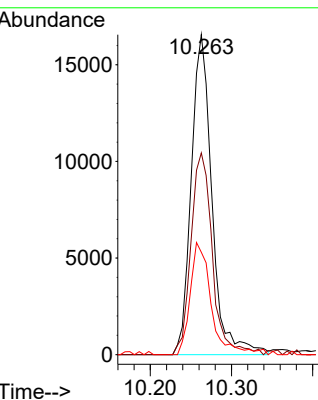
Tgt Ion:162 Resp: 29337

Ion Ratio Lower Upper

162 100

164 63.1 46.0 86.0

98 32.0 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 4.099 ng

RT: 10.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

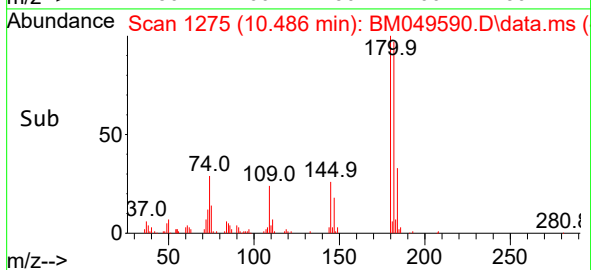
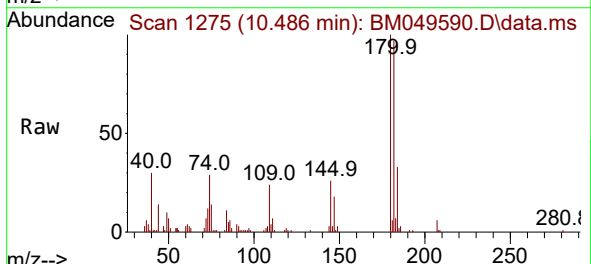
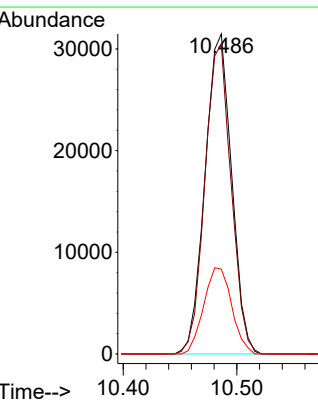
Tgt Ion:180 Resp: 51198

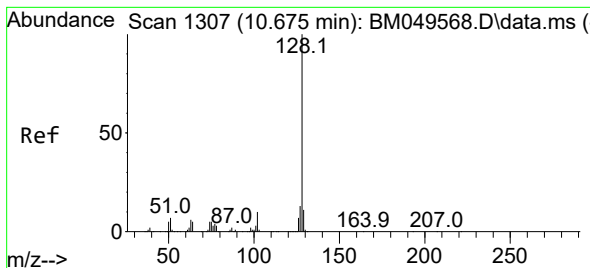
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 26.5 22.5 33.7





#31

Naphthalene

Concen: 3.953 ng

RT: 10.669 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

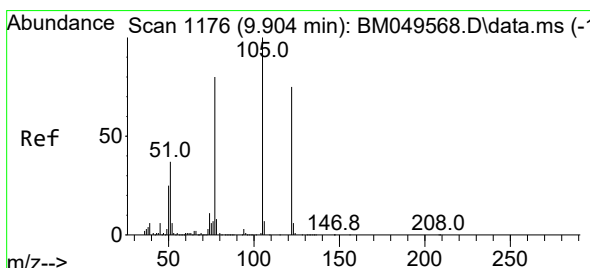
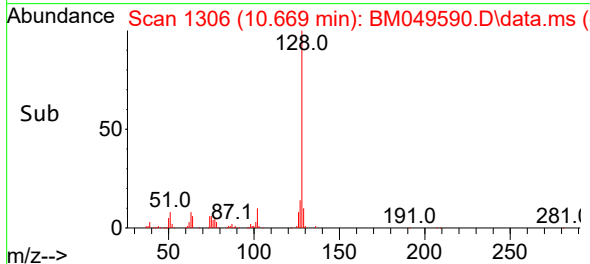
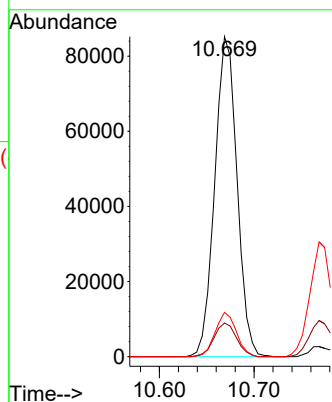
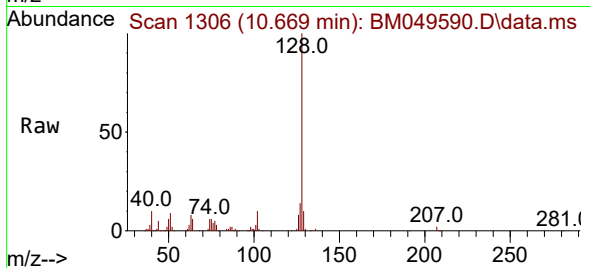
Tgt Ion:128 Resp: 139236

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

127 13.8 10.6 15.8



#32

Benzoic acid

Concen: 11.825 ng

RT: 9.792 min Scan# 1157

Delta R.T. -0.112 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

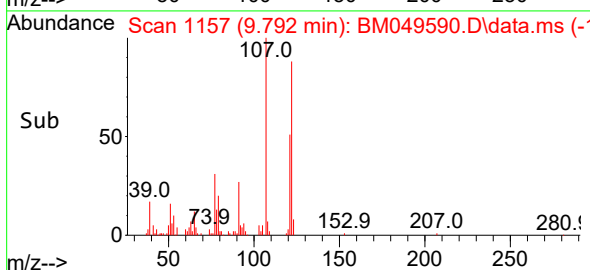
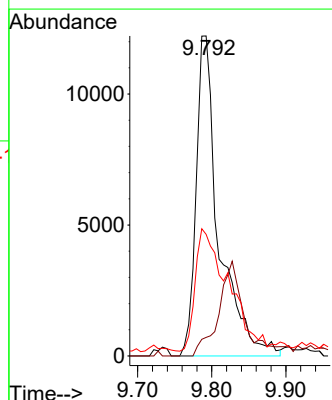
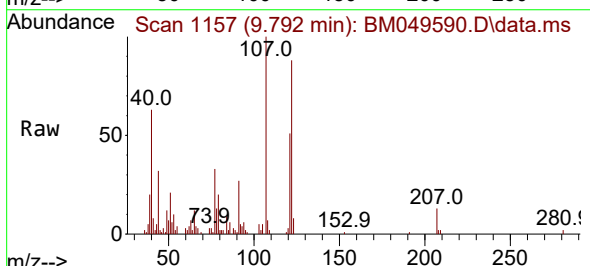
Tgt Ion:122 Resp: 26080

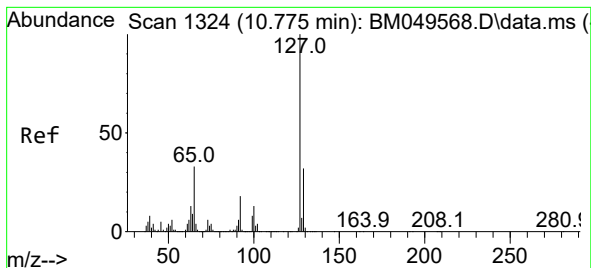
Ion Ratio Lower Upper

122 100

105 5.8 103.6 143.6#

77 38.0 82.4 122.4#





#33

4-Chloroaniline

Concen: 3.839 ng

RT: 10.769 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:127 Resp: 50602

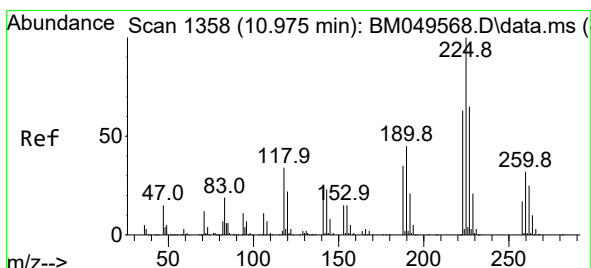
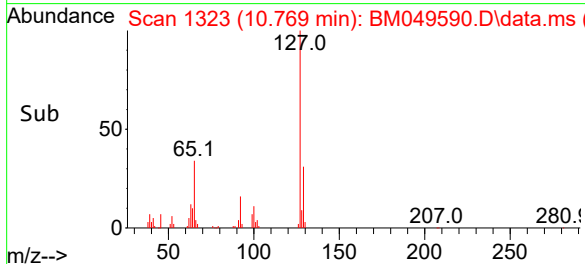
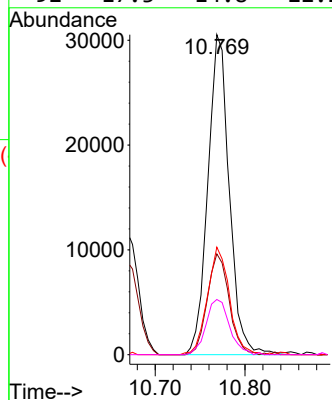
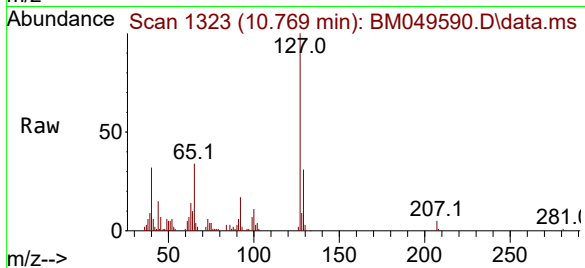
Ion Ratio Lower Upper

127 100

129 31.5 25.8 38.8

65 33.6 26.4 39.6

92 17.3 14.8 22.2



#34

Hexachlorobutadiene

Concen: 3.978 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

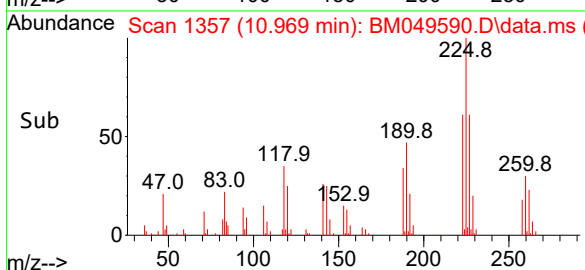
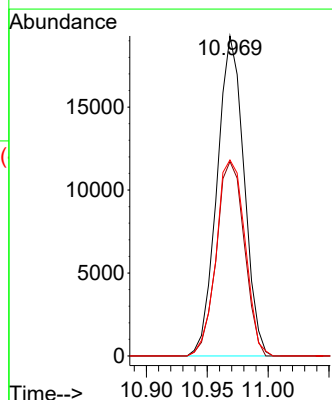
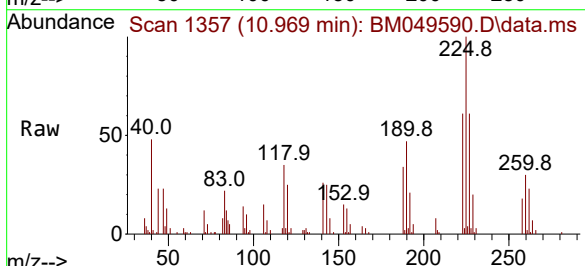
Tgt Ion:225 Resp: 29758

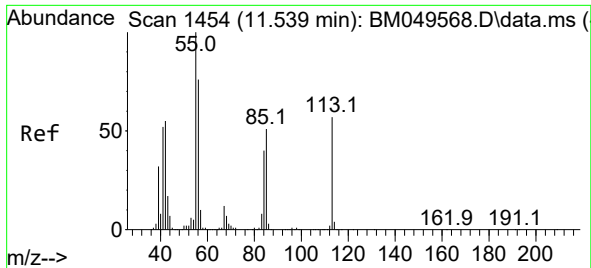
Ion Ratio Lower Upper

225 100

223 58.3 50.6 75.8

227 61.5 51.8 77.6

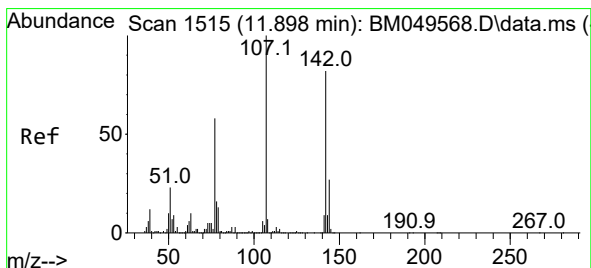
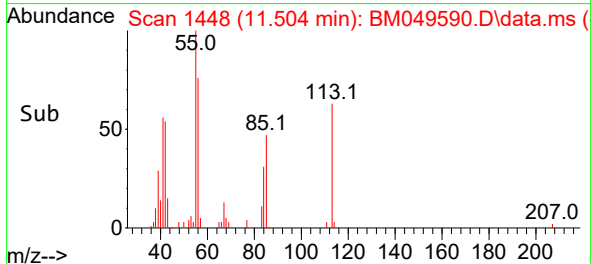
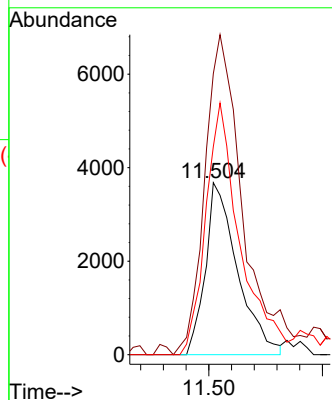
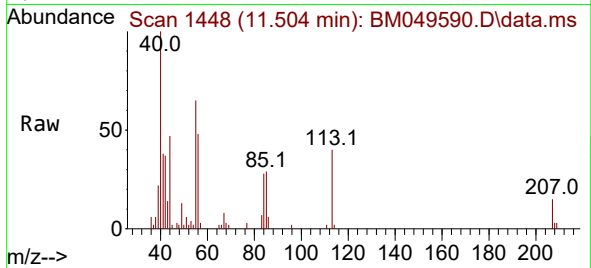




#35
 Caprolactam
 Concen: 2.325 ng
 RT: 11.504 min Scan# 1454
 Delta R.T. -0.035 min
 Lab File: BM049590.D
 Acq: 06 Feb 2025 22:16

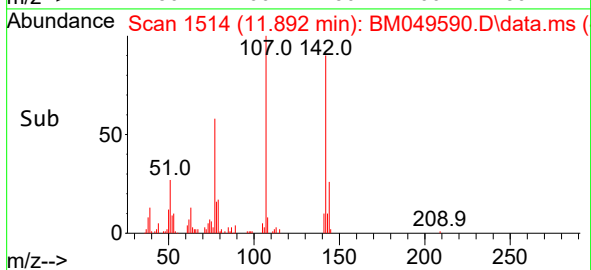
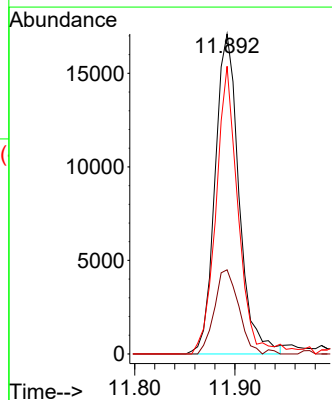
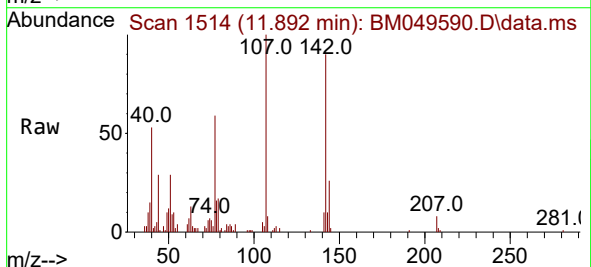
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

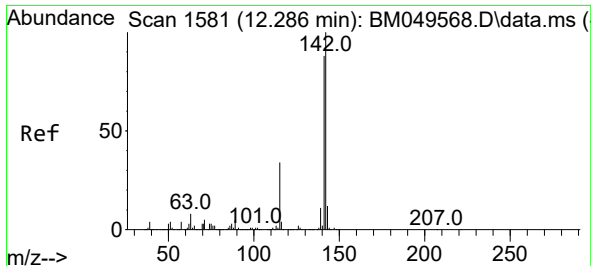
Tgt Ion:113 Resp: 7230
 Ion Ratio Lower Upper
 113 100
 55 163.3 157.5 197.5
 56 120.9 114.6 154.6



#36
 4-Chloro-3-methylphenol
 Concen: 2.796 ng
 RT: 11.892 min Scan# 1514
 Delta R.T. -0.006 min
 Lab File: BM049590.D
 Acq: 06 Feb 2025 22:16

Tgt Ion:107 Resp: 28432
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.2 31.8
 142 89.9 65.4 98.2

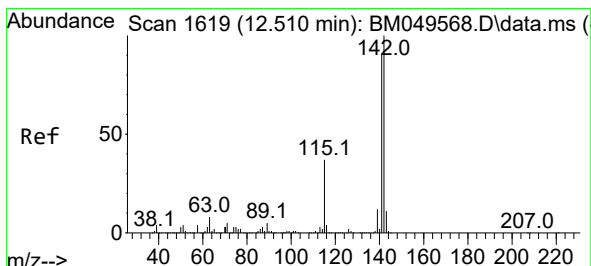
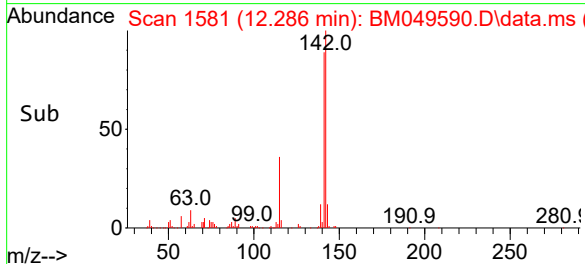
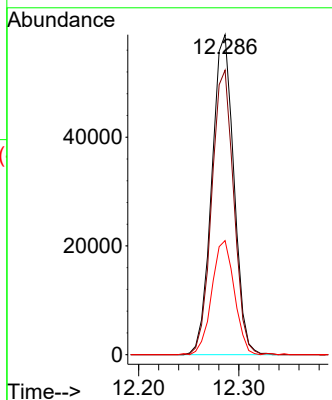
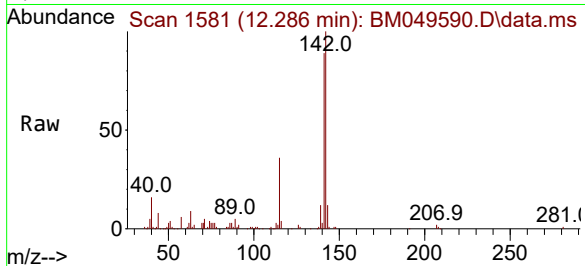




#37
2-Methylnaphthalene
Concen: 3.629 ng
RT: 12.286 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

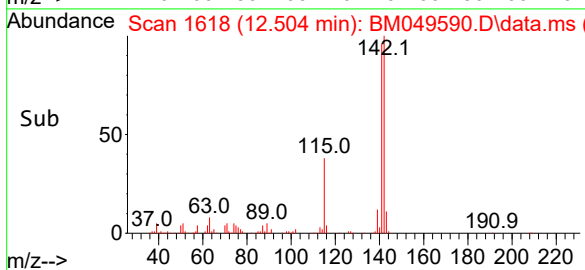
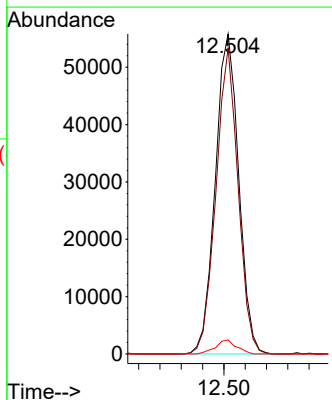
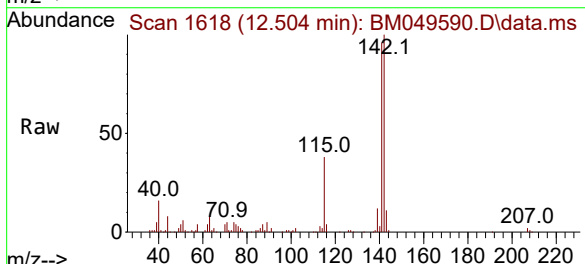
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

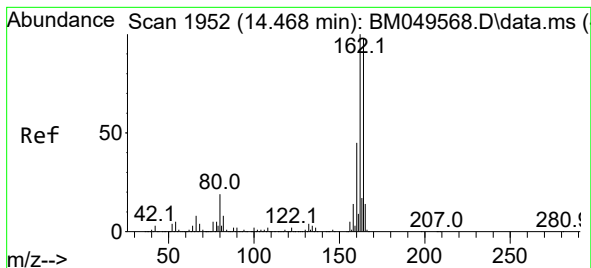
Tgt Ion:142 Resp: 89980
Ion Ratio Lower Upper
142 100
141 88.9 70.2 105.4
115 35.6 27.5 41.3



#38
1-Methylnaphthalene
Concen: 3.519 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:142 Resp: 84908
Ion Ratio Lower Upper
142 100
141 95.6 73.1 109.7
116 4.4 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

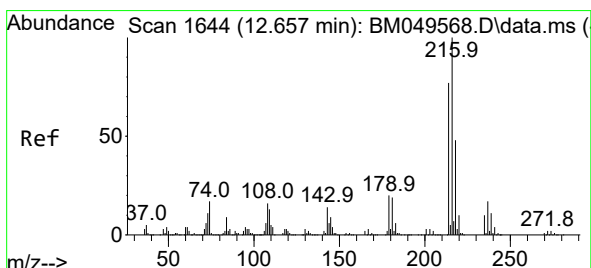
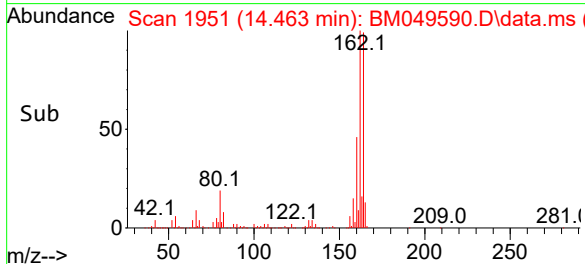
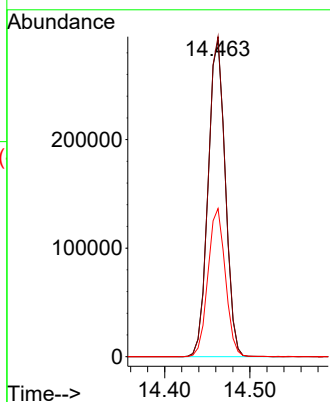
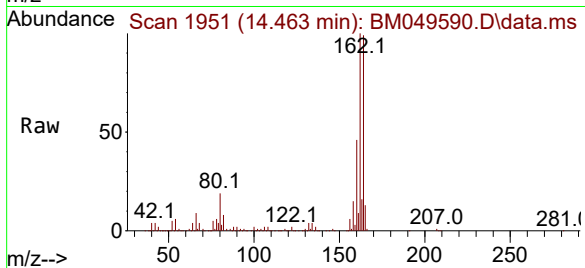
Tgt Ion:164 Resp: 408793

Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.0

160 46.8 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.861 ng

RT: 12.651 min Scan# 1643

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:216 Resp: 51891

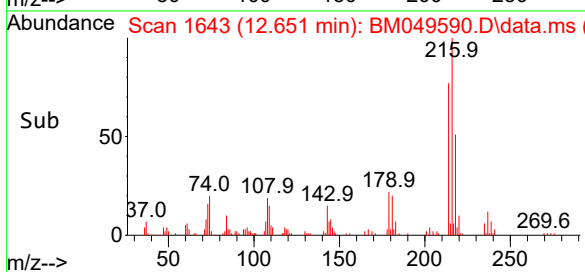
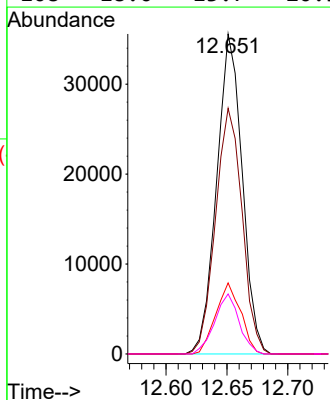
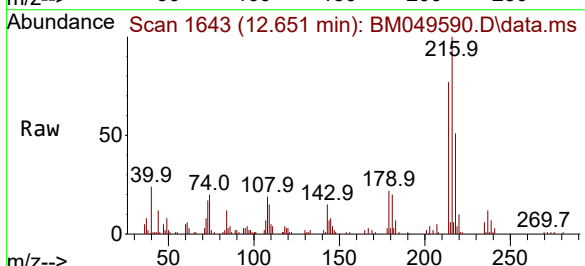
Ion Ratio Lower Upper

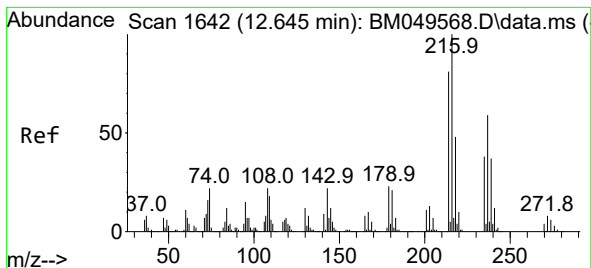
216 100

214 79.8 62.4 93.6

179 21.6 16.3 24.5

108 18.0 13.7 20.5





#41

Hexachlorocyclopentadiene

Concen: 2.563 ng

RT: 12.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

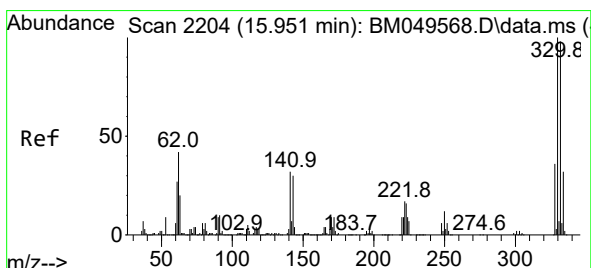
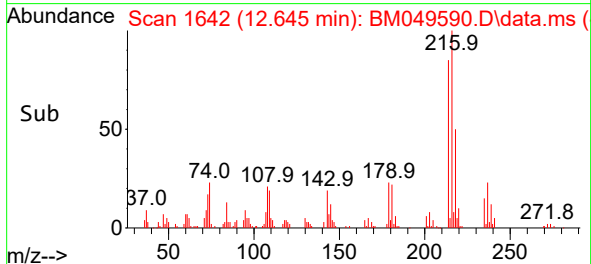
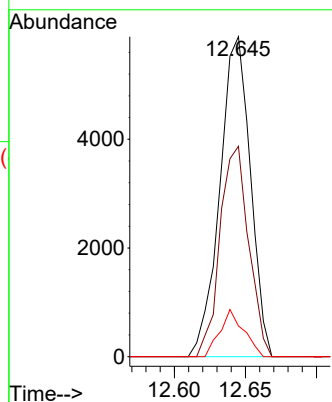
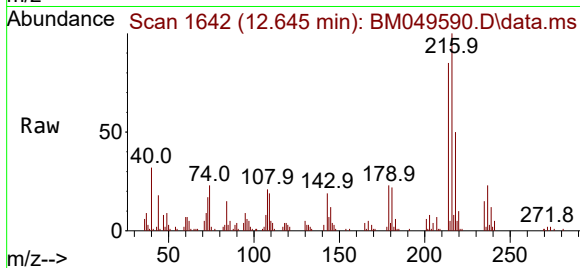
Tgt Ion:237 Resp: 8793

Ion Ratio Lower Upper

237 100

235 65.7 43.8 83.8

272 9.6 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 124.382 ng

RT: 15.945 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

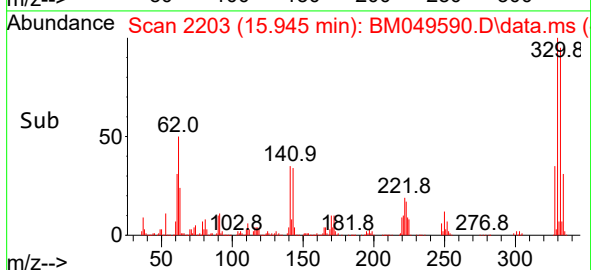
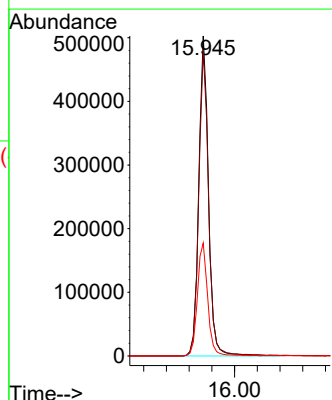
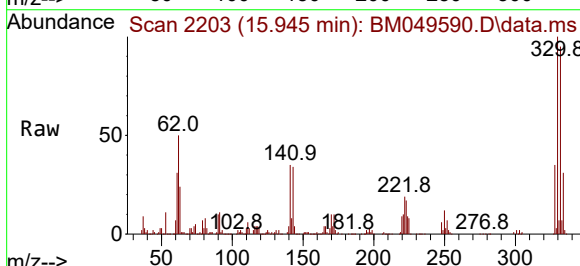
Tgt Ion:330 Resp: 602491

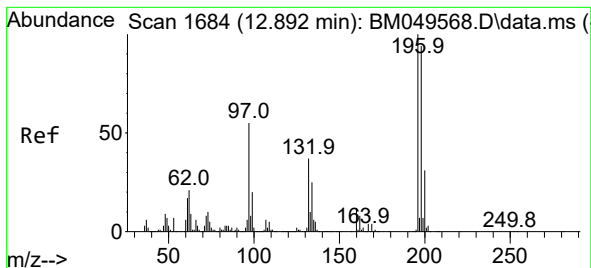
Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

141 37.5 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 2.311 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049590.D

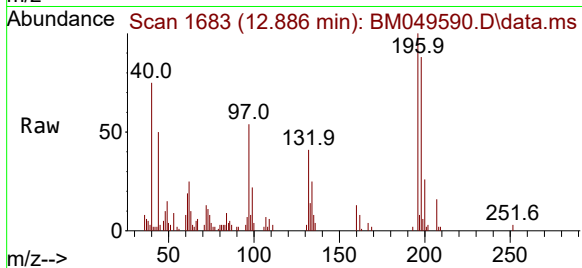
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



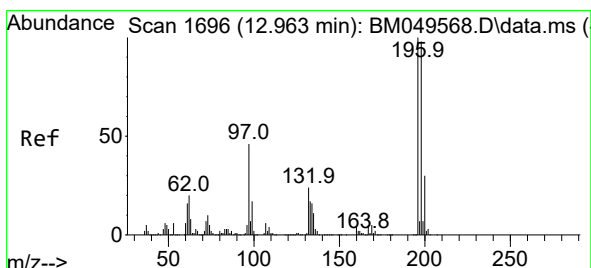
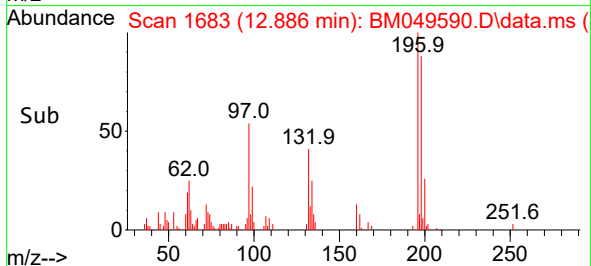
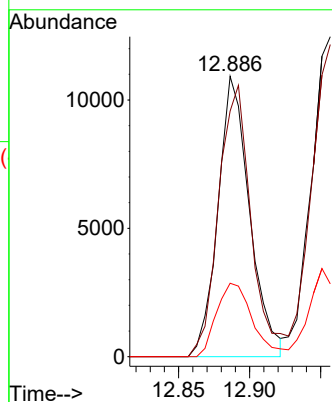
Tgt Ion:196 Resp: 16949

Ion Ratio Lower Upper

196 100

198 87.6 75.4 113.0

200 26.2 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 2.522 ng

RT: 12.957 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:196 Resp: 20325

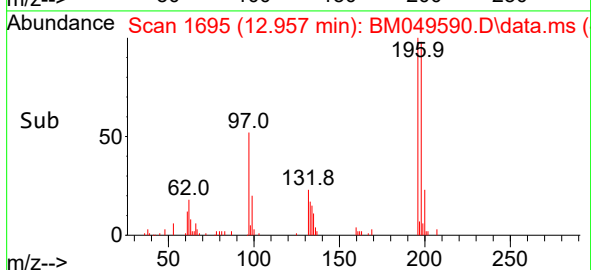
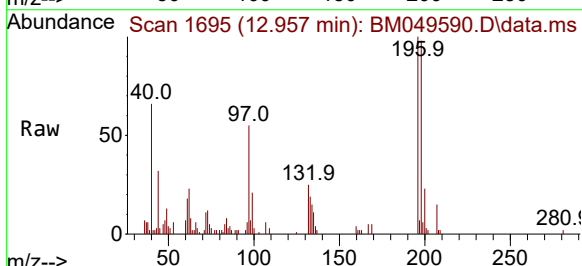
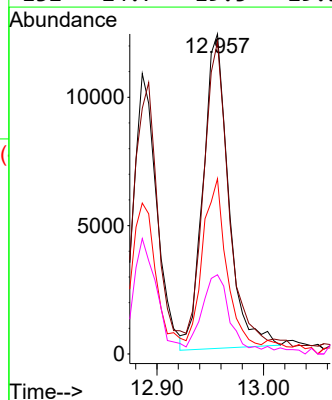
Ion Ratio Lower Upper

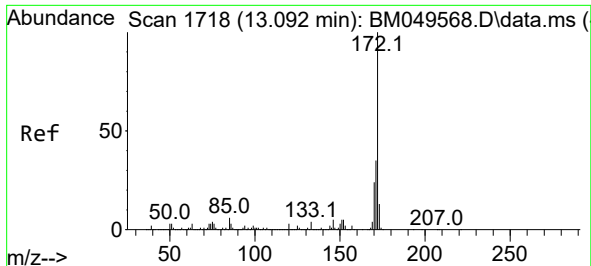
196 100

198 97.6 78.4 117.6

97 54.8 37.4 56.0

132 24.7 19.5 29.3

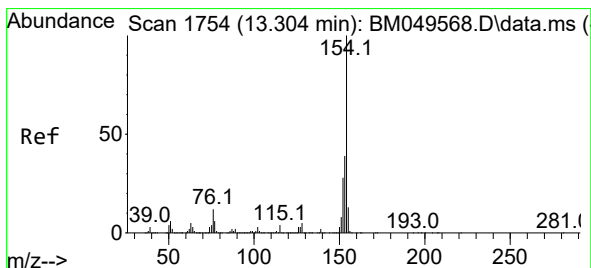
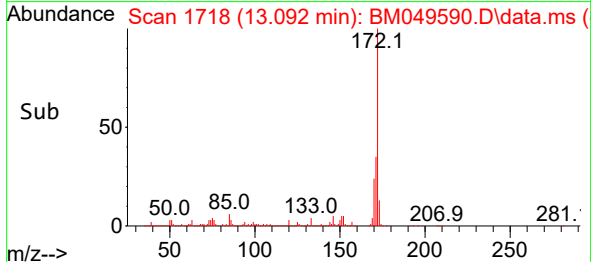
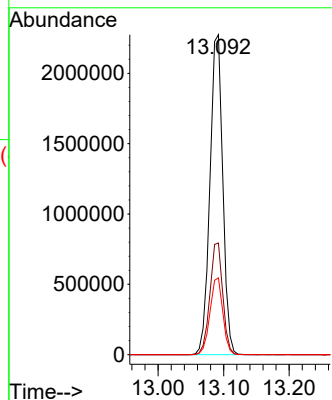
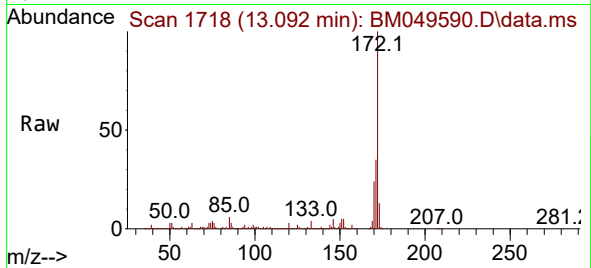




#45
2-Fluorobiphenyl
Concen: 98.373 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

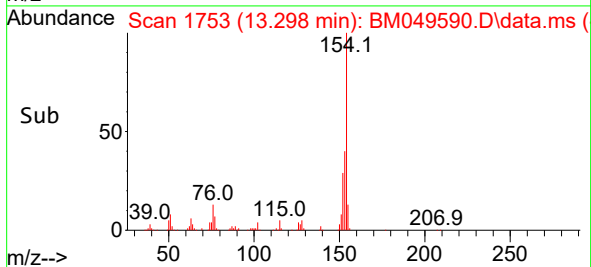
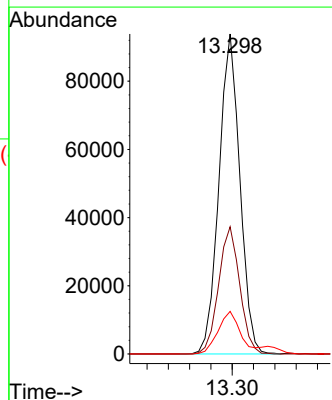
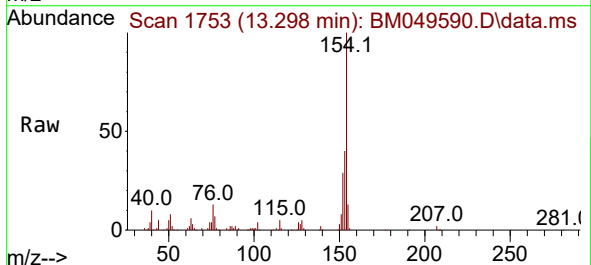
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

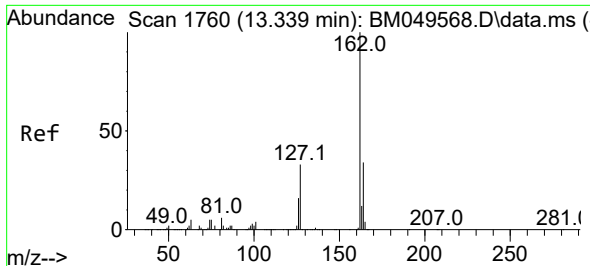
Tgt Ion:172 Resp: 3104272
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.0 19.0 28.4



#46
1,1'-Biphenyl
Concen: 4.096 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:154 Resp: 127735
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 13.3 0.0 32.1

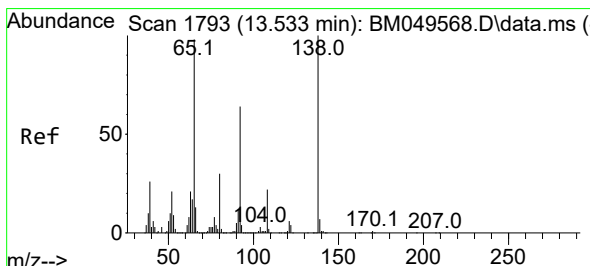
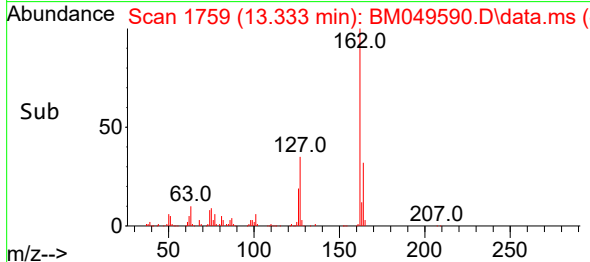
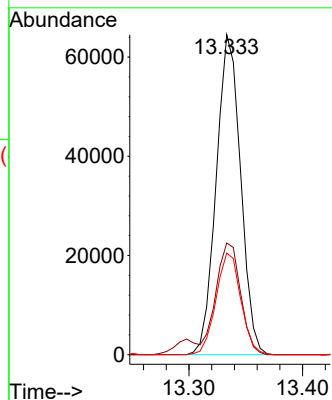
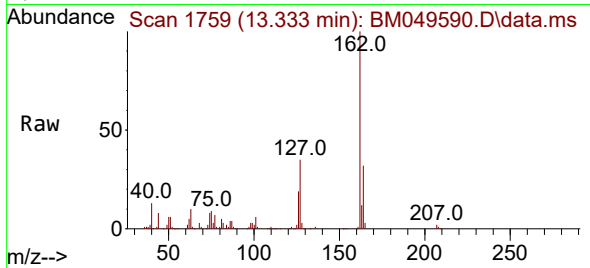




#47
2-Chloronaphthalene
Concen: 3.989 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

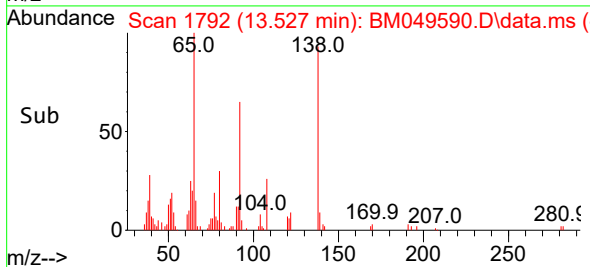
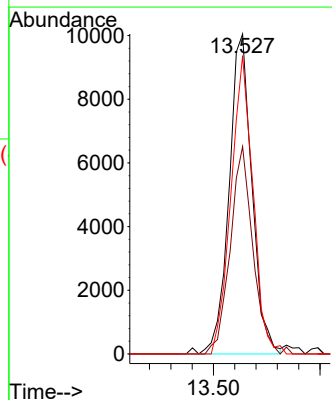
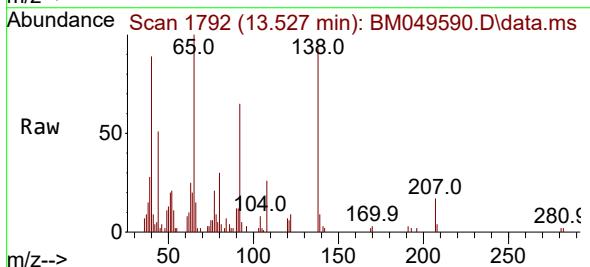
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

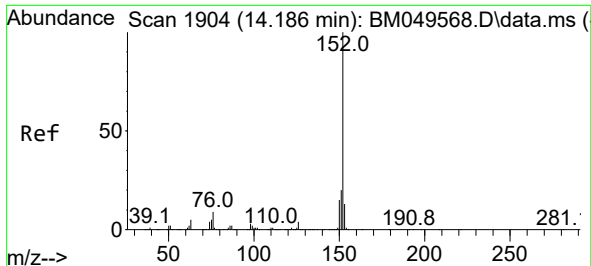
Tgt Ion:162 Resp: 96246
Ion Ratio Lower Upper
162 100
127 34.9 27.9 41.9
164 31.7 26.8 40.2



#48
2-Nitroaniline
Concen: 6.285 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 65 Resp: 15018
Ion Ratio Lower Upper
65 100
92 64.8 52.0 78.0
138 93.2 81.6 122.4

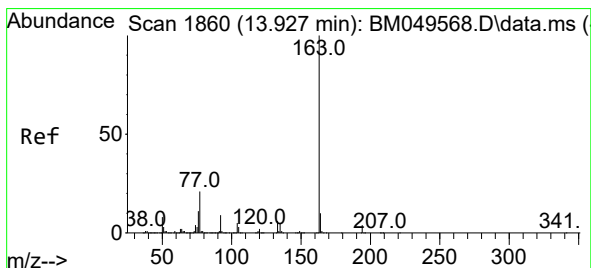
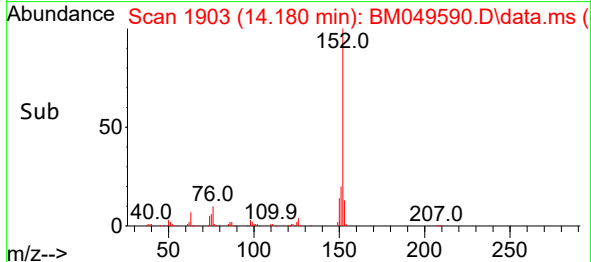
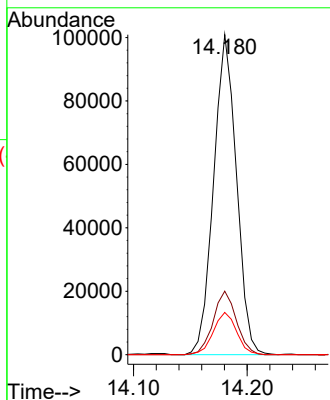
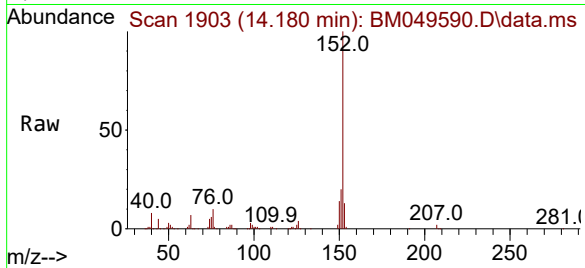




#49
Acenaphthylene
Concen: 3.961 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

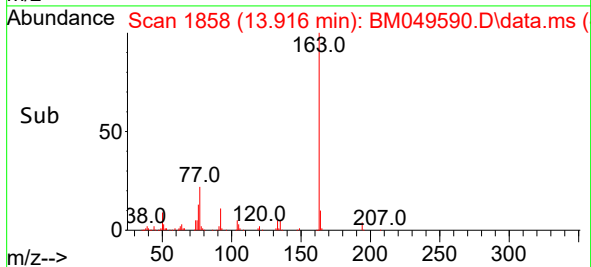
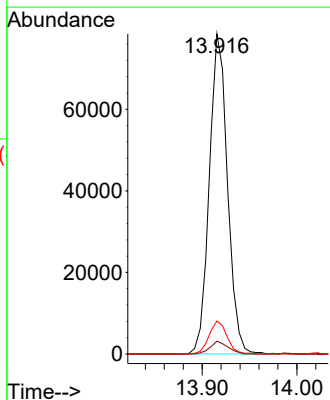
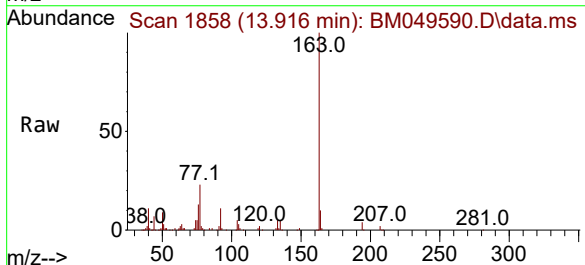
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

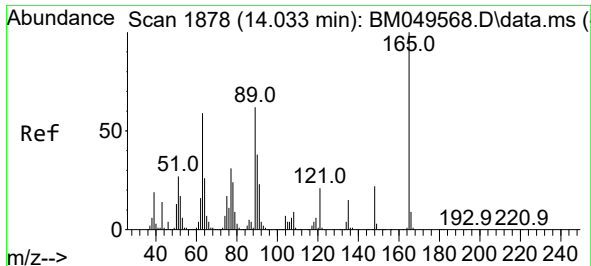
Tgt Ion:152 Resp: 140915
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 3.572 ng
RT: 13.916 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:163 Resp: 104864
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.3 8.1 12.1

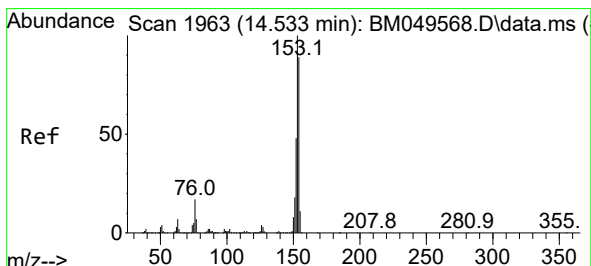
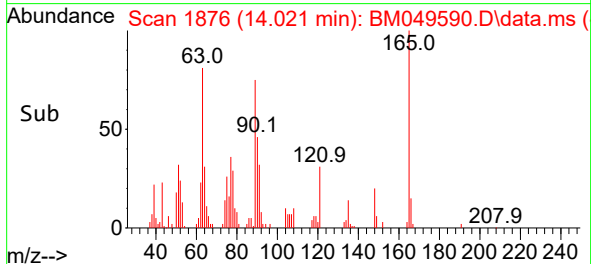
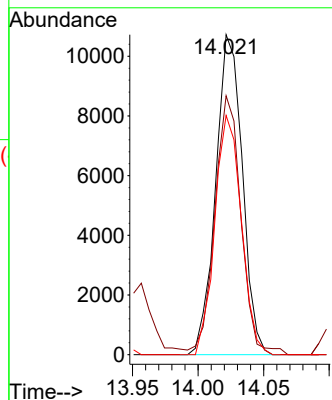
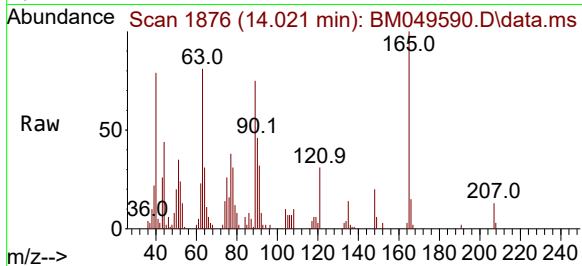




#51
2,6-Dinitrotoluene
Concen: 2.974 ng
RT: 14.021 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

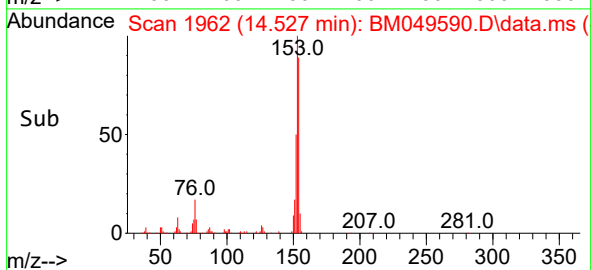
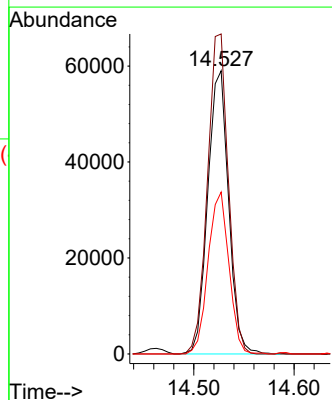
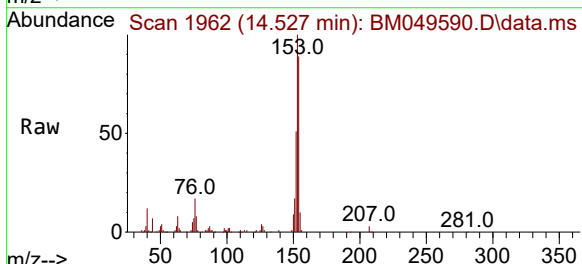
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

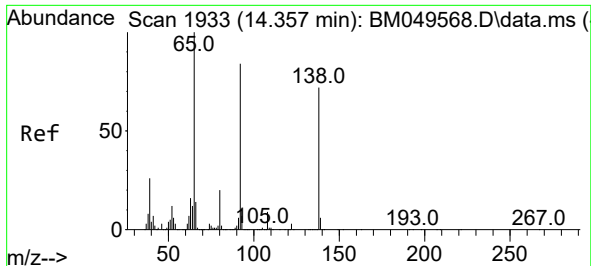
Tgt Ion:165 Resp: 15107
Ion Ratio Lower Upper
165 100
63 80.9 47.8 71.6#
89 74.8 49.2 73.8#



#52
Acenaphthene
Concen: 3.611 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:154 Resp: 85269
Ion Ratio Lower Upper
154 100
153 113.0 90.0 135.0
152 57.2 43.0 64.4

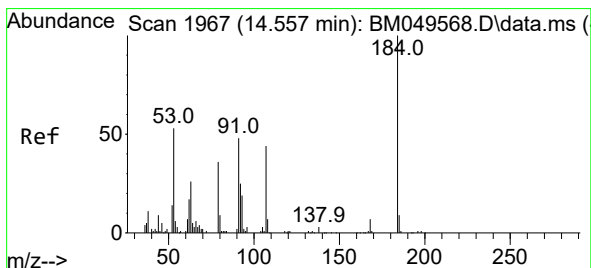
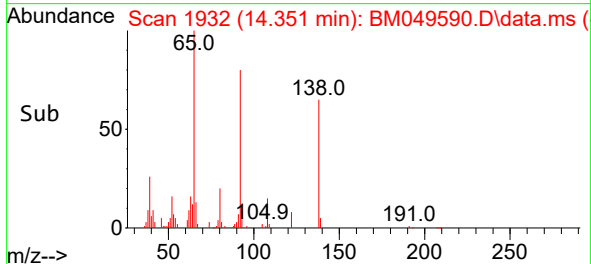
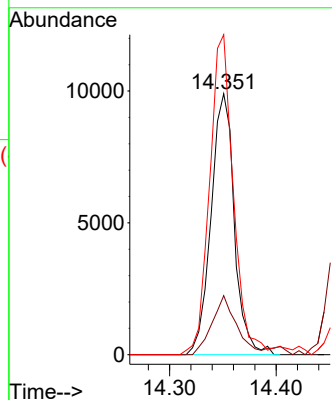
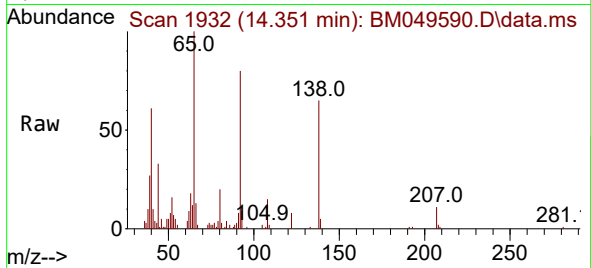




#53
3-Nitroaniline
Concen: 2.906 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

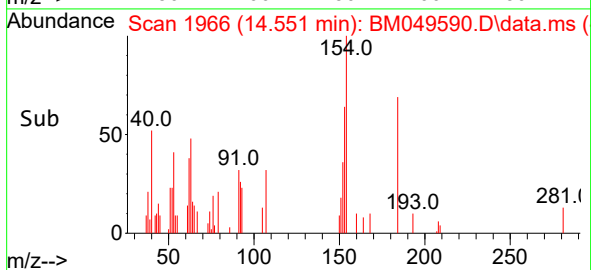
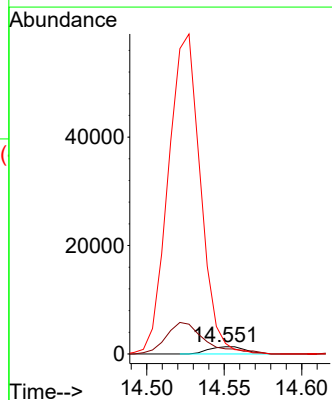
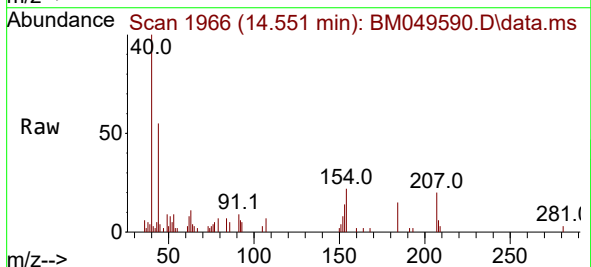
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

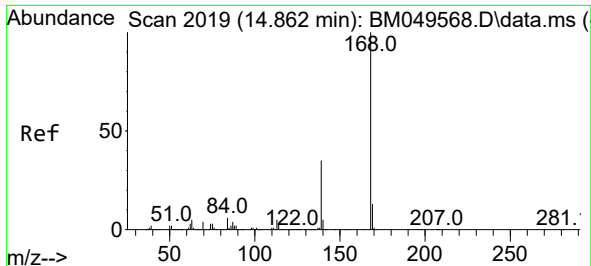
Tgt Ion:138 Resp: 15029
Ion Ratio Lower Upper
138 100
108 22.7 10.3 15.5#
92 122.6 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 4.933 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:184 Resp: 2207
Ion Ratio Lower Upper
184 100
63 70.3 60.2 90.4
154 145.6 78.2 117.4#

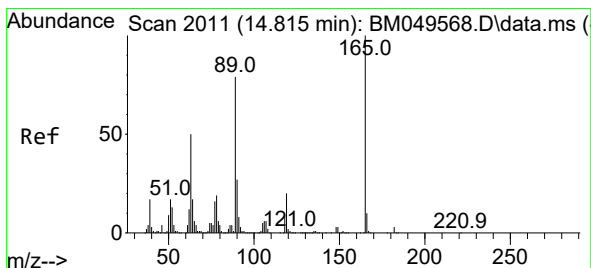
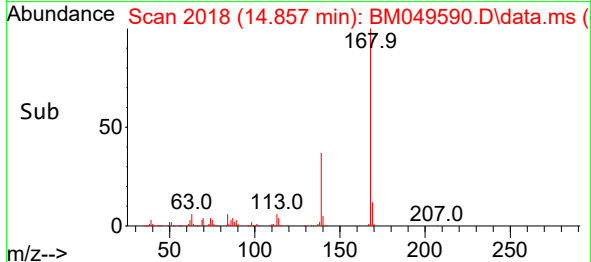
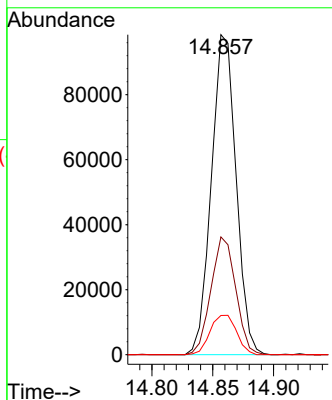
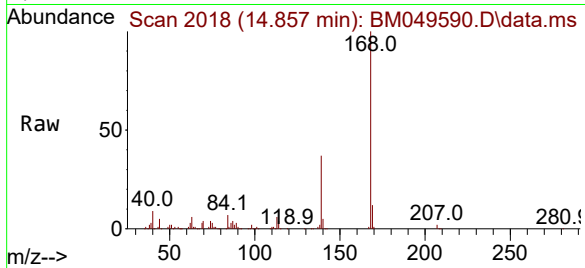




#55
Dibenzenofuran
Concen: 3.702 ng
RT: 14.857 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

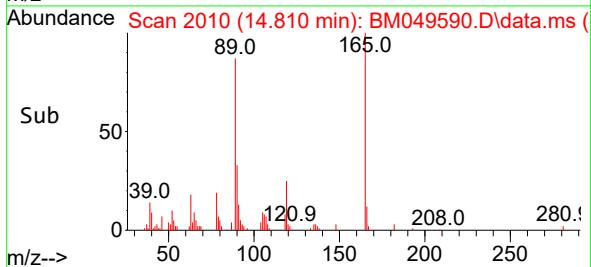
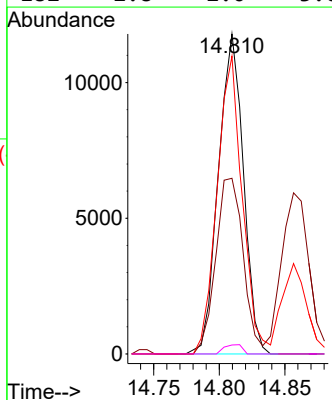
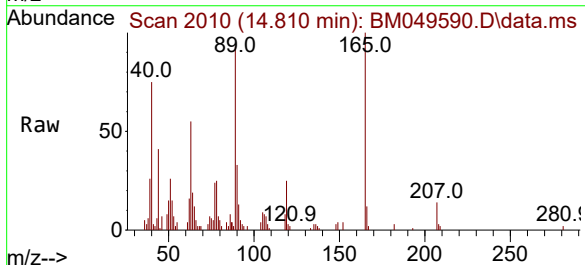
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

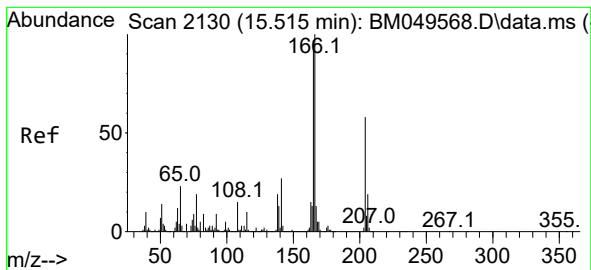
Tgt Ion:168 Resp: 139188
Ion Ratio Lower Upper
168 100
139 36.8 28.4 42.6
169 12.3 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 5.094 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:165 Resp: 15628
Ion Ratio Lower Upper
165 100
63 54.9 39.8 59.6
89 93.0 63.5 95.3
182 2.8 2.0 3.0





#58

Fluorene

Concen: 3.366 ng

RT: 15.510 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

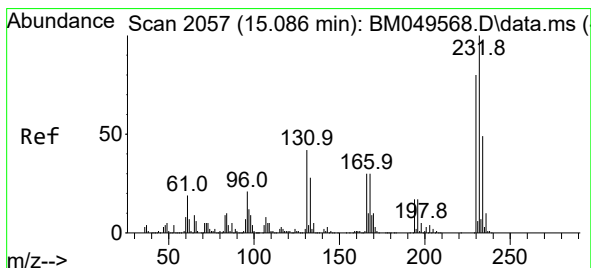
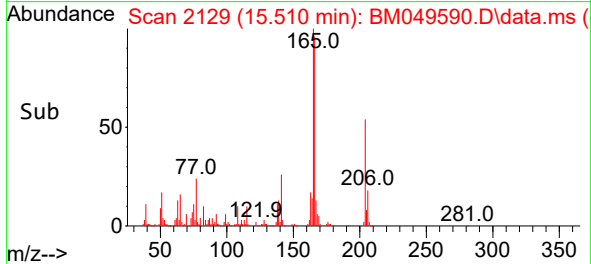
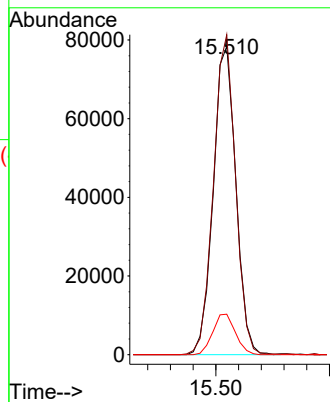
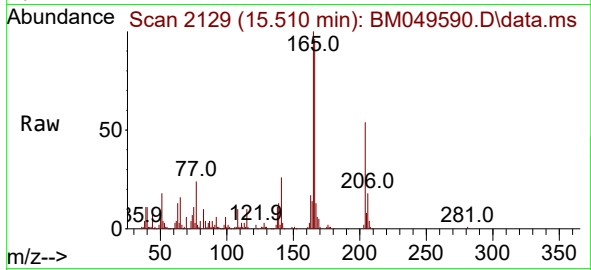
Tgt Ion:166 Resp: 108265

Ion Ratio Lower Upper

166 100

165 103.7 77.7 116.5

167 13.1 10.7 16.1



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.453 ng

RT: 15.080 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:232 Resp: 16701

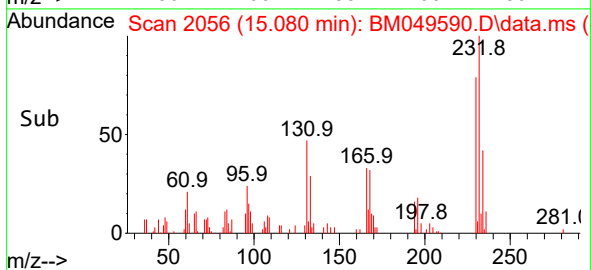
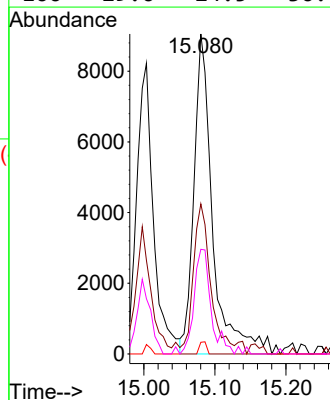
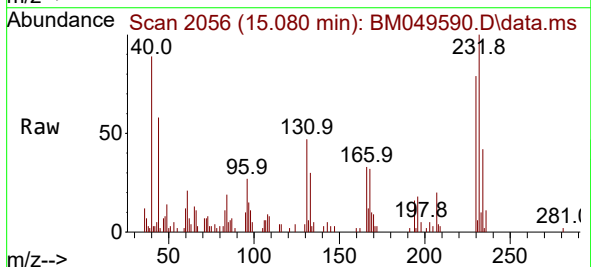
Ion Ratio Lower Upper

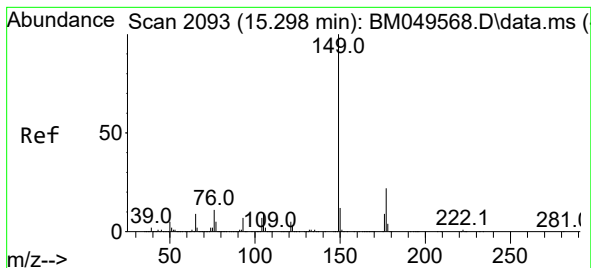
232 100

131 45.6 34.5 51.7

130 1.4 1.9 2.9#

166 29.6 24.5 36.7





#60

Diethylphthalate

Concen: 3.355 ng

RT: 15.286 min Scan# 2091

Delta R.T. -0.012 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

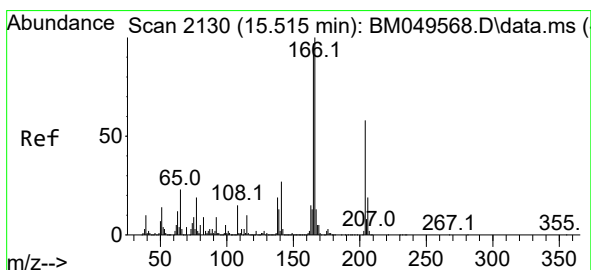
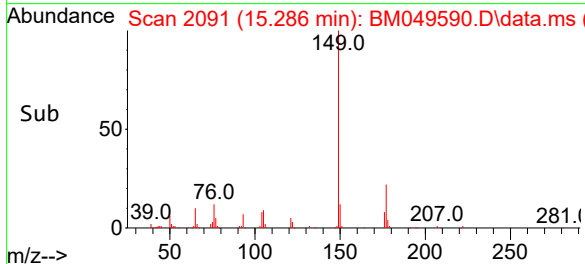
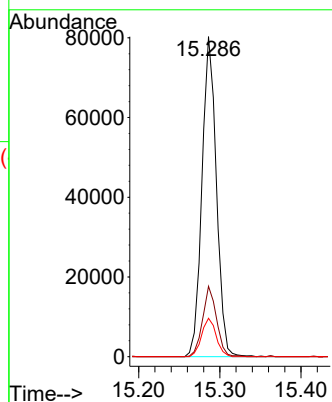
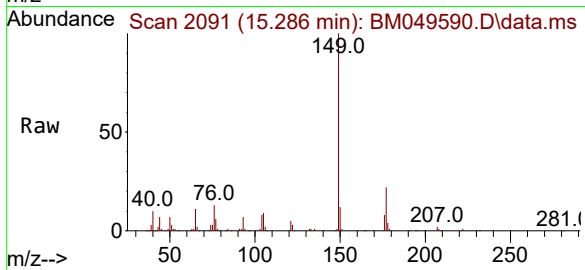
Tgt Ion:149 Resp: 98990

Ion Ratio Lower Upper

149 100

177 22.0 18.0 27.0

150 12.0 9.7 14.5



#61

4-Chlorophenyl-phenylether

Concen: 3.428 ng

RT: 15.510 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

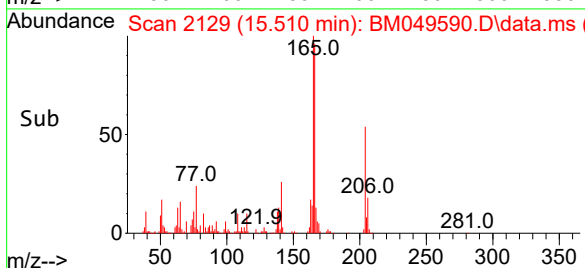
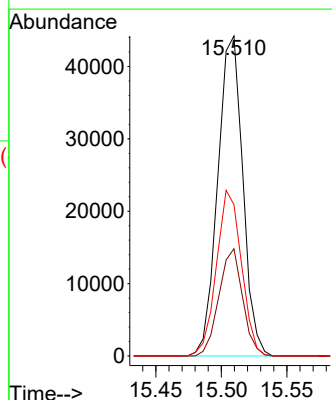
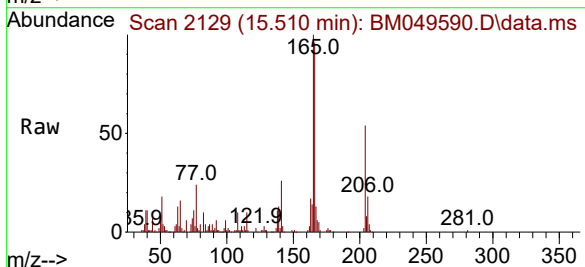
Tgt Ion:204 Resp: 58695

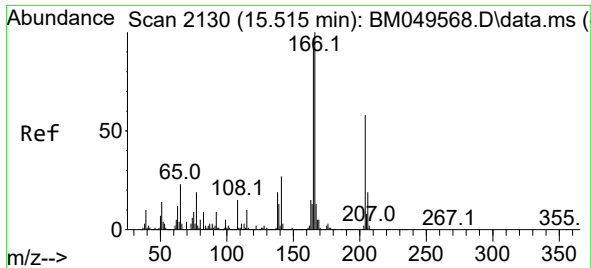
Ion Ratio Lower Upper

204 100

206 33.5 26.0 39.0

141 47.3 37.1 55.7

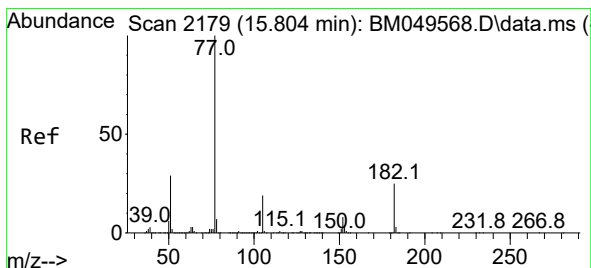
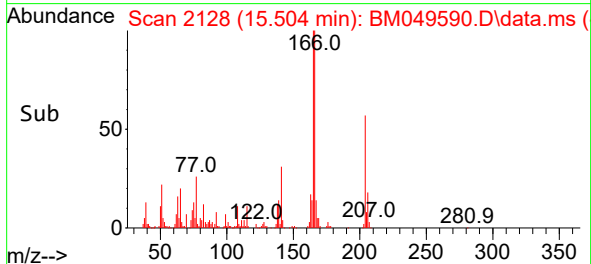
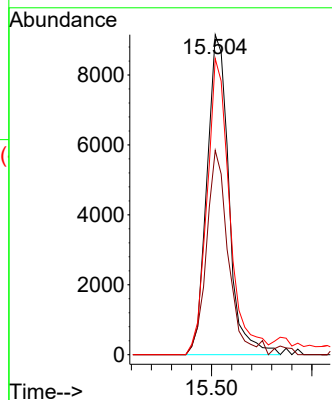
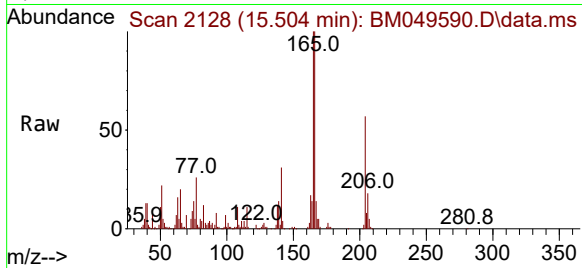




#62
4-Nitroaniline
Concen: 6.108 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

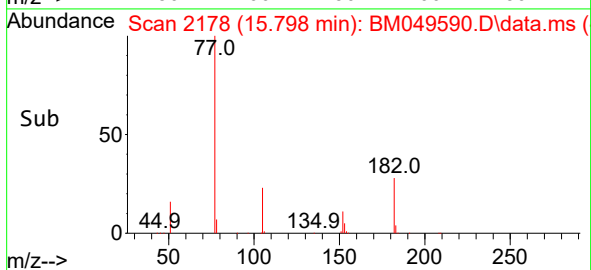
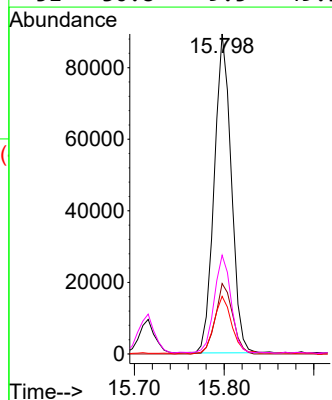
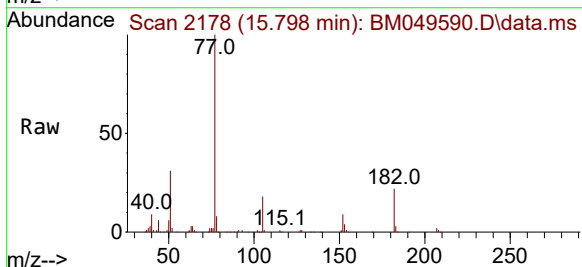
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

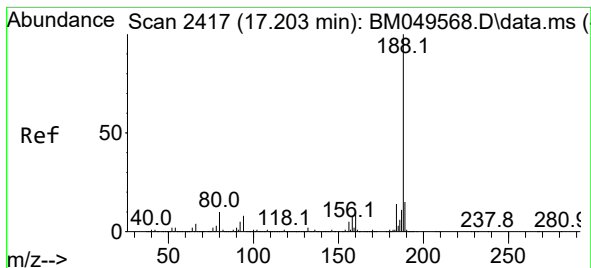
Tgt Ion:138 Resp: 13921
Ion Ratio Lower Upper
138 100
92 63.8 29.3 69.3
108 92.5 60.1 100.1



#63
Azobenzene
Concen: 3.815 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 77 Resp: 117485
Ion Ratio Lower Upper
77 100
182 22.0 4.7 44.7
105 18.0 0.0 39.3
51 30.8 9.5 49.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

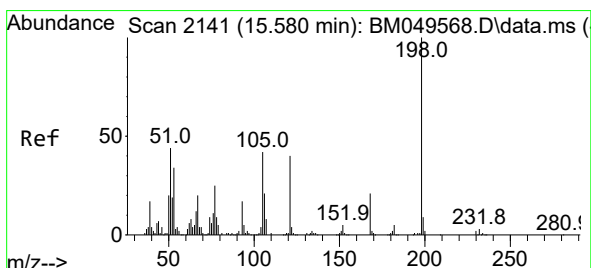
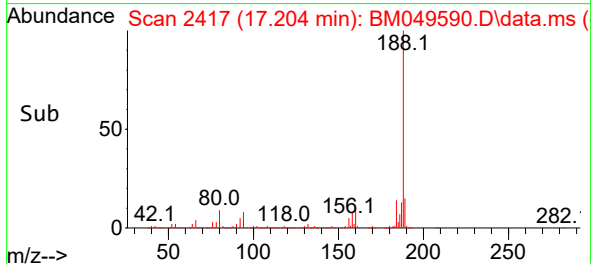
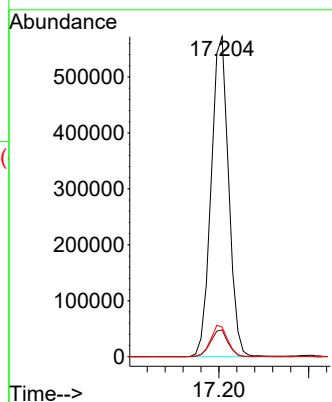
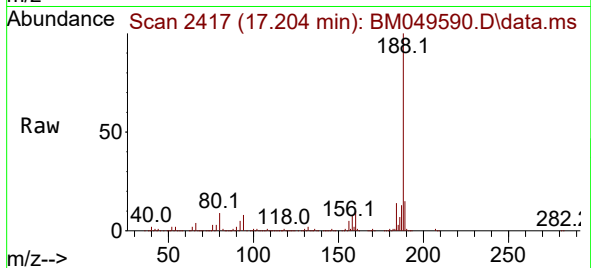
Tgt Ion:188 Resp: 774890

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 9.3 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 5.809 ng

RT: 15.574 min Scan# 2140

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

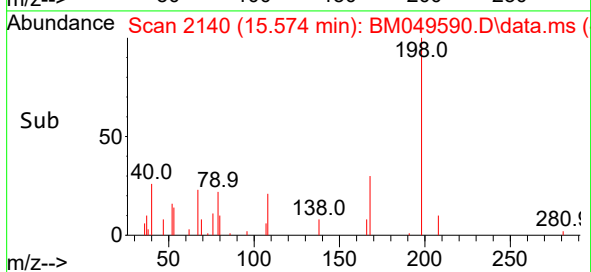
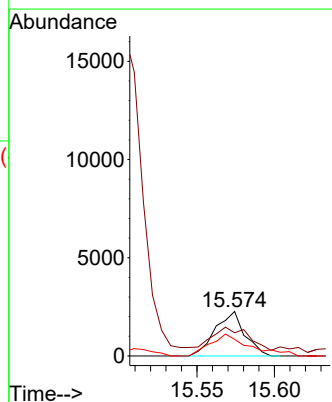
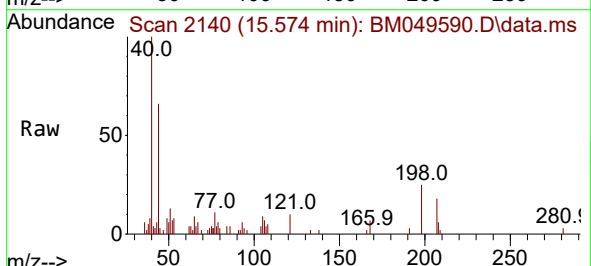
Tgt Ion:198 Resp: 2989

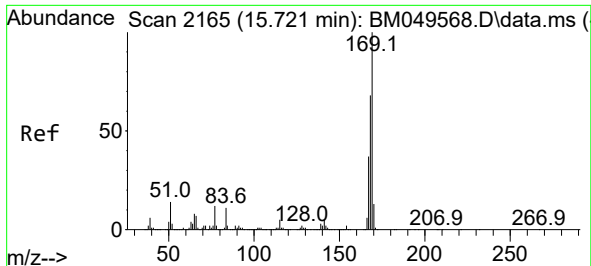
Ion Ratio Lower Upper

198 100

51 52.2 26.9 66.9

105 37.5 22.8 62.8

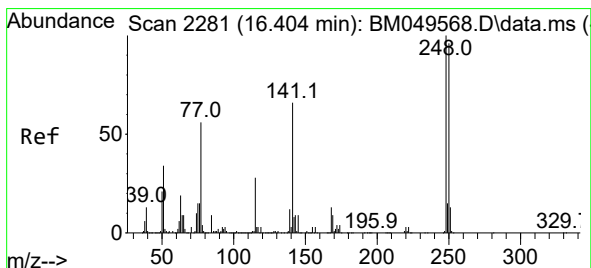
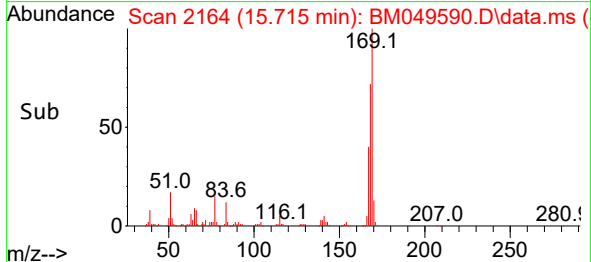
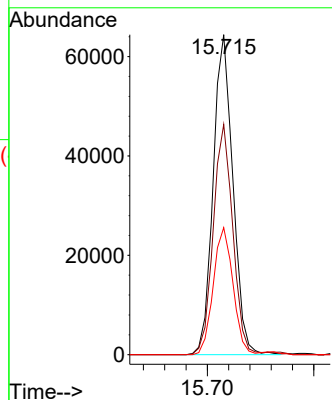
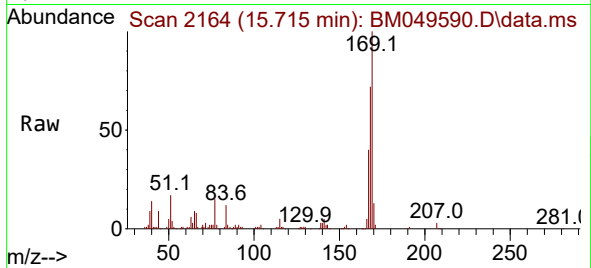




#66
n-Nitrosodiphenylamine
Concen: 3.393 ng
RT: 15.715 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

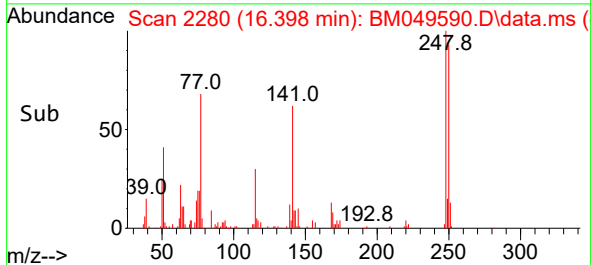
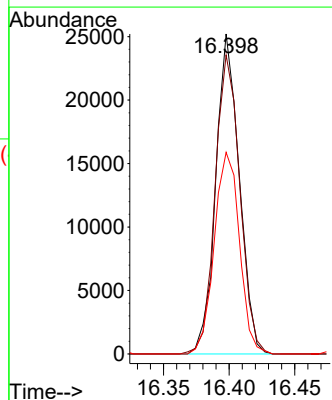
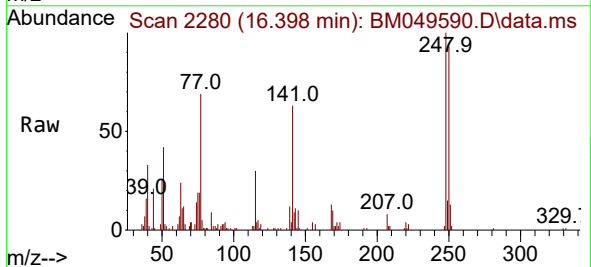
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

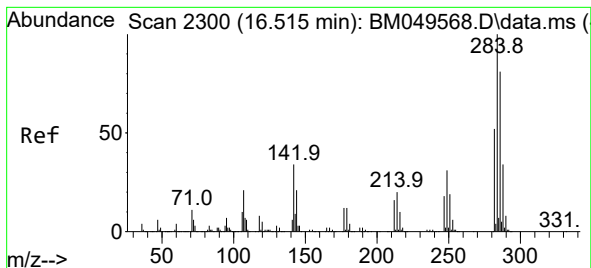
Tgt Ion:169 Resp: 82922
Ion Ratio Lower Upper
169 100
168 72.0 54.2 81.4
167 39.7 29.5 44.3



#67
4-Bromophenyl-phenylether
Concen: 3.483 ng
RT: 16.398 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:248 Resp: 31352
Ion Ratio Lower Upper
248 100
250 93.4 77.0 115.4
141 63.0 53.0 79.4





#68

Hexachlorobenzene

Concen: 3.611 ng

RT: 16.509 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

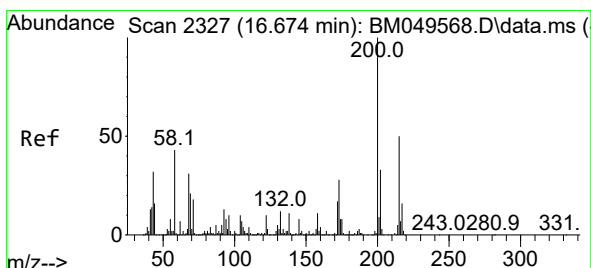
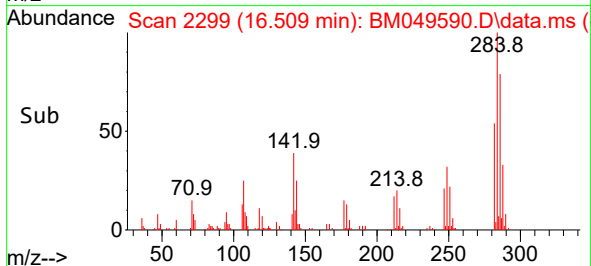
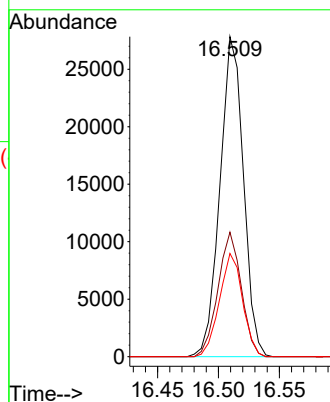
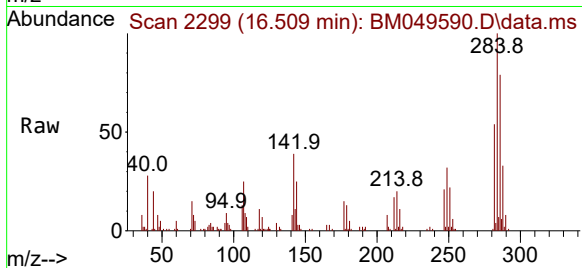
Tgt Ion:284 Resp: 37314

Ion Ratio Lower Upper

284 100

142 38.9 27.1 40.7

249 32.3 24.6 36.8



#69

Atrazine

Concen: 3.101 ng

RT: 16.668 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

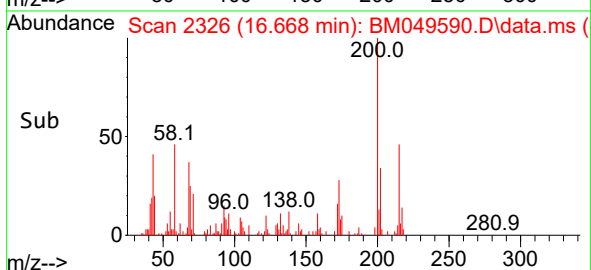
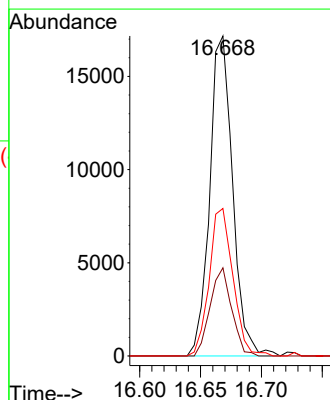
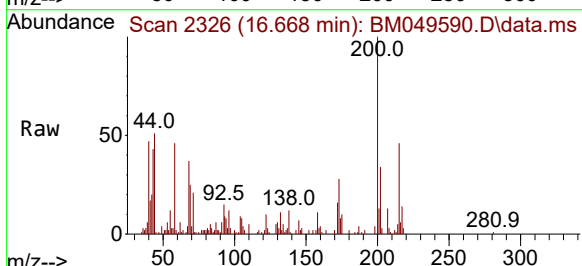
Tgt Ion:200 Resp: 22526

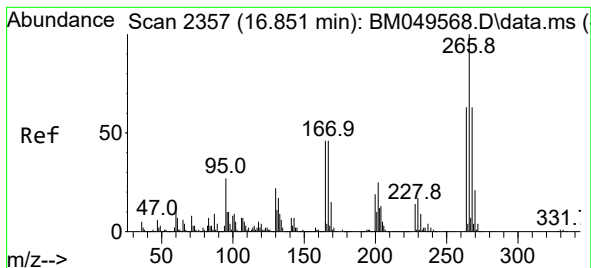
Ion Ratio Lower Upper

200 100

173 27.6 7.6 47.6

215 46.1 30.2 70.2





#70

Pentachlorophenol

Concen: 8.960 ng

RT: 16.851 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049590.D

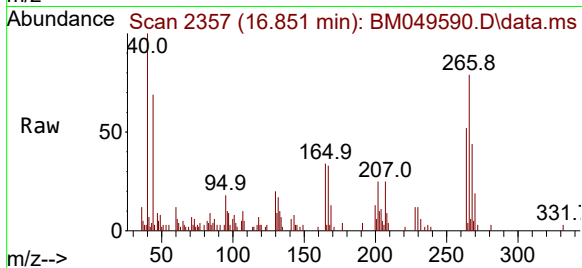
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



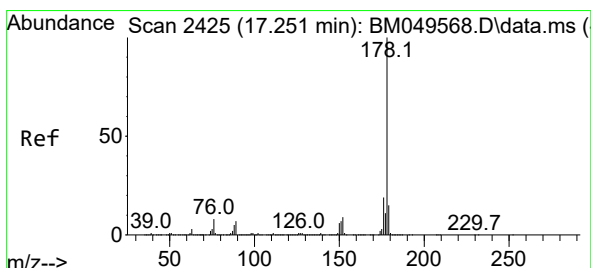
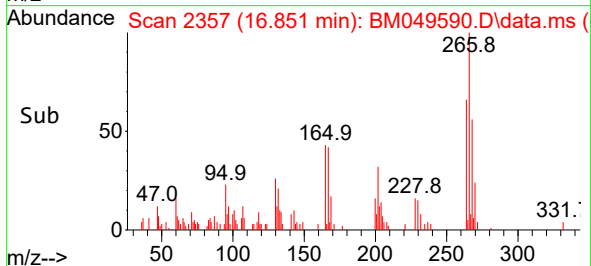
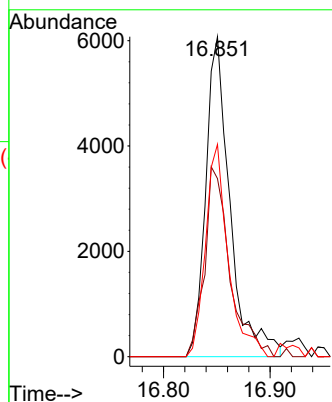
Tgt Ion:266 Resp: 9621

Ion Ratio Lower Upper

266 100

268 55.7 50.8 76.2

264 66.4 50.0 75.0



#71

Phenanthrene

Concen: 3.693 ng

RT: 17.245 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

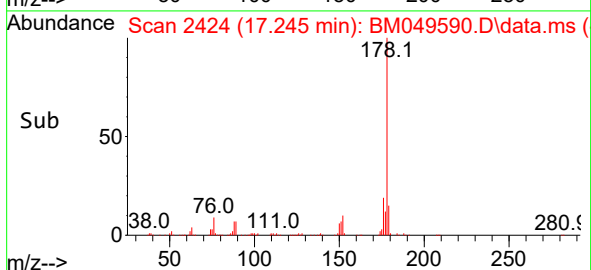
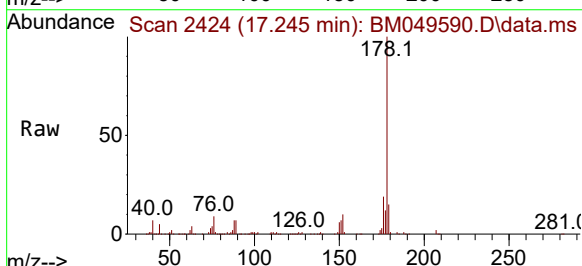
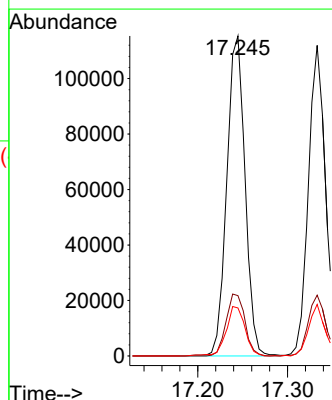
Tgt Ion:178 Resp: 163022

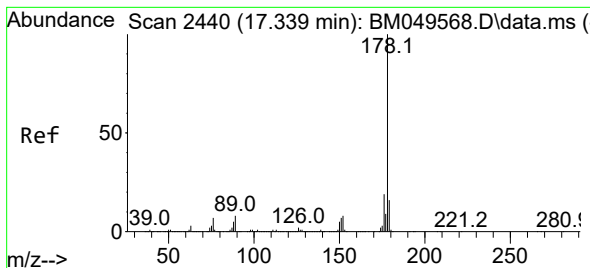
Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.0 12.2 18.2





#72

Anthracene

Concen: 3.432 ng

RT: 17.333 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

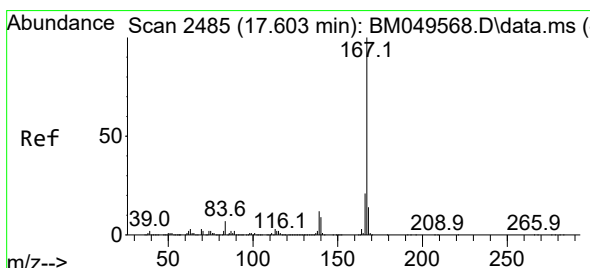
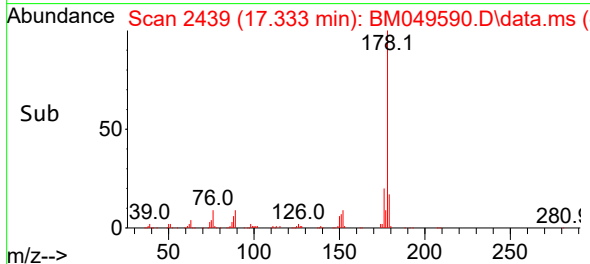
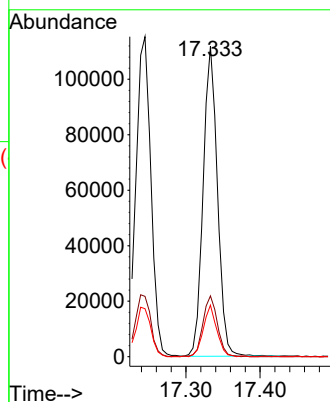
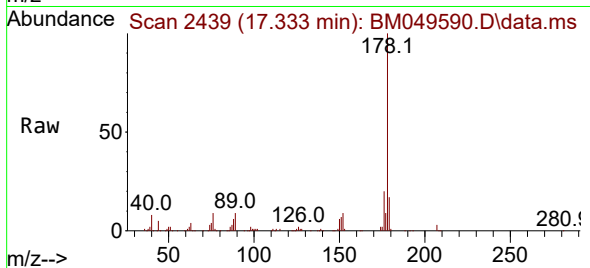
Tgt Ion:178 Resp: 149995

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

179 16.6 12.4 18.6



#73

Carbazole

Concen: 3.478 ng

RT: 17.598 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

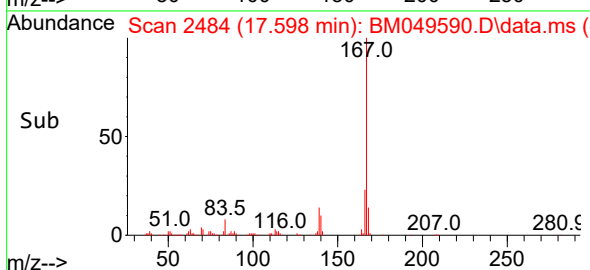
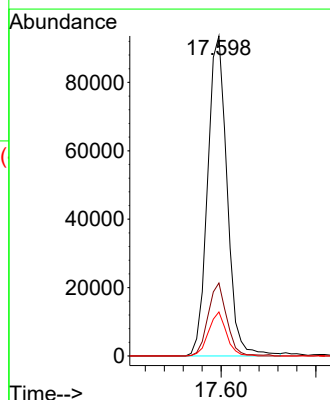
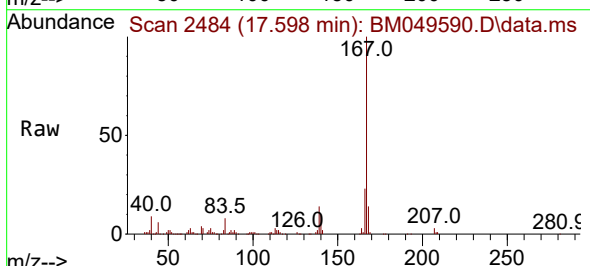
Tgt Ion:167 Resp: 133448

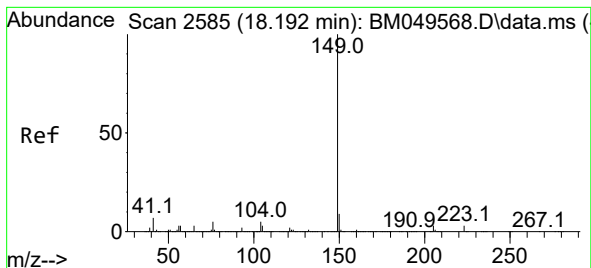
Ion Ratio Lower Upper

167 100

166 22.8 17.2 25.8

139 13.7 9.6 14.4





#74

Di-n-butylphthalate

Concen: 2.546 ng

RT: 18.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

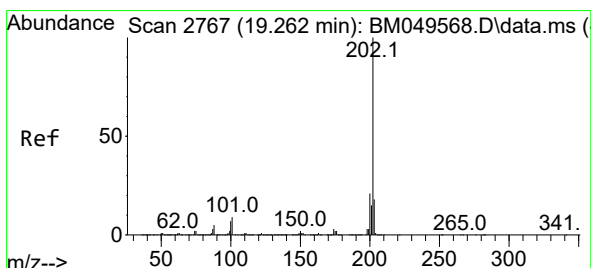
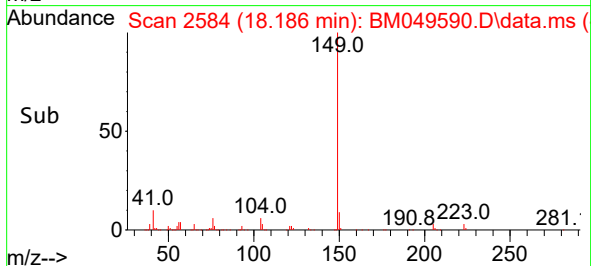
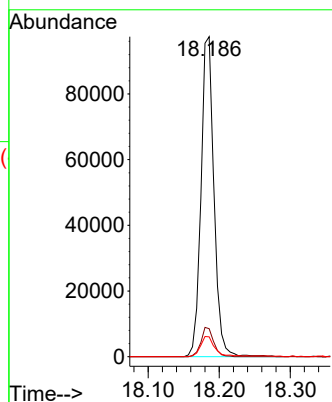
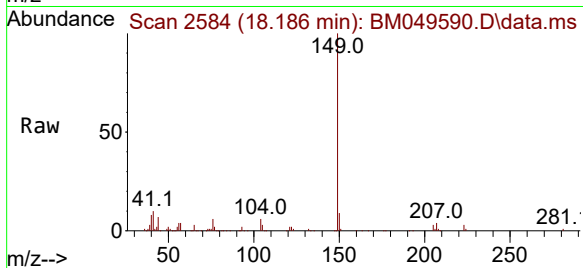
Tgt Ion:149 Resp: 123952

Ion Ratio Lower Upper

149 100

150 8.7 7.4 11.0

104 6.2 4.1 6.1#



#75

Fluoranthene

Concen: 3.190 ng

RT: 19.256 min Scan# 2766

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

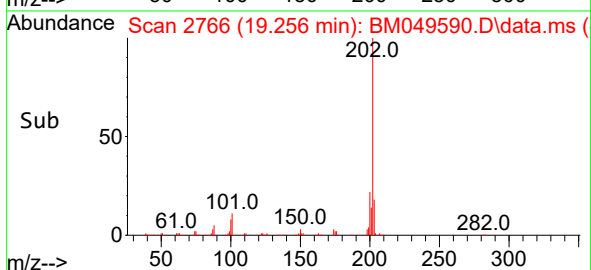
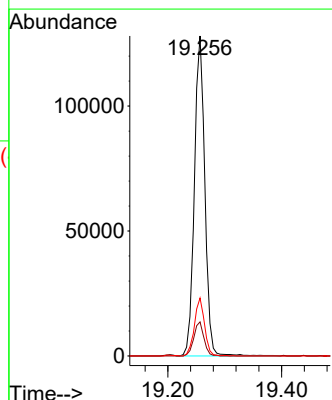
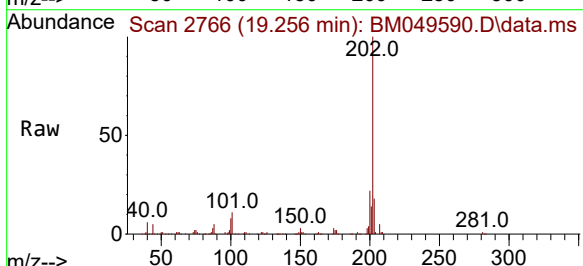
Tgt Ion:202 Resp: 164872

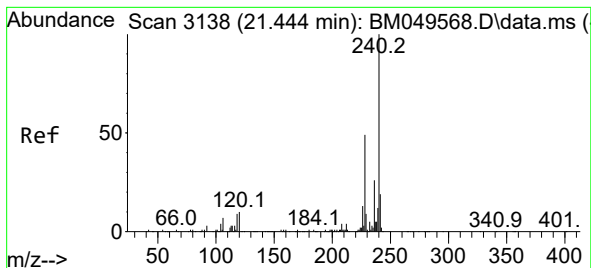
Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.1

203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

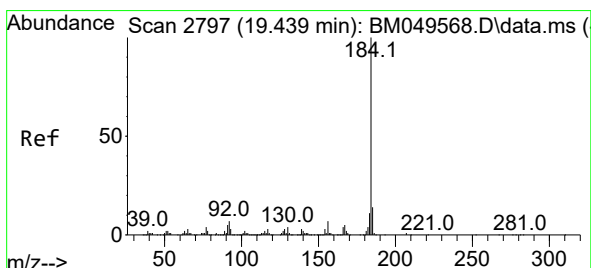
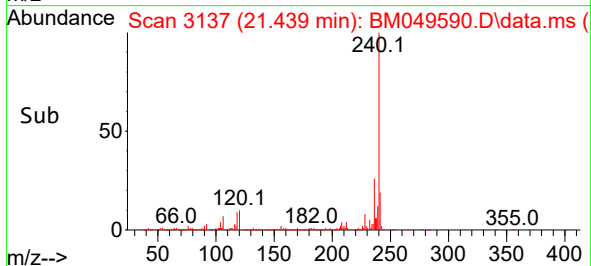
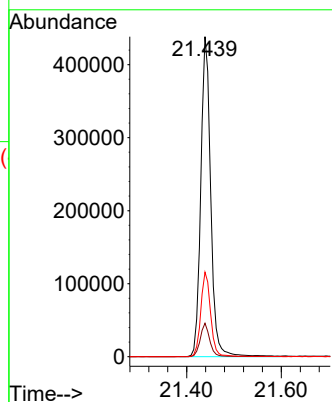
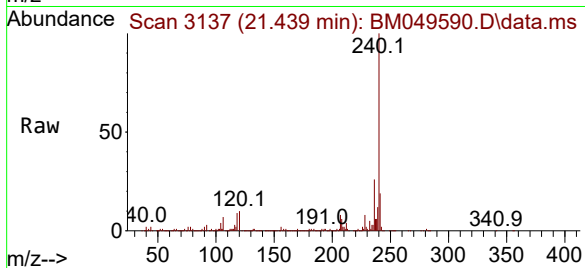
Tgt Ion:240 Resp: 636922

Ion Ratio Lower Upper

240 100

120 10.5 7.8 11.8

236 26.4 20.6 31.0



#77

Benzidine

Concen: 2.352 ng

RT: 19.439 min Scan# 2797

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

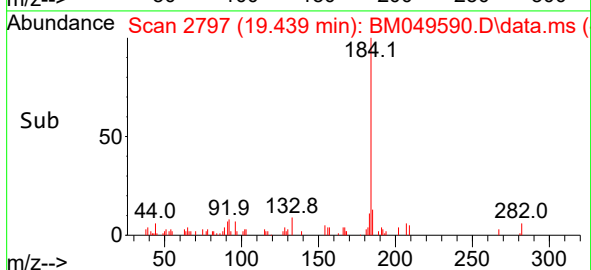
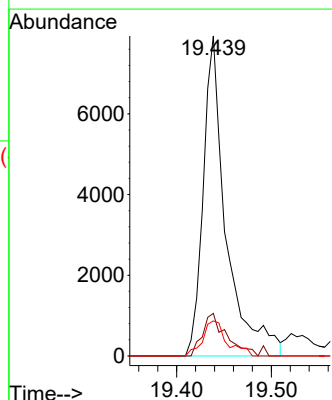
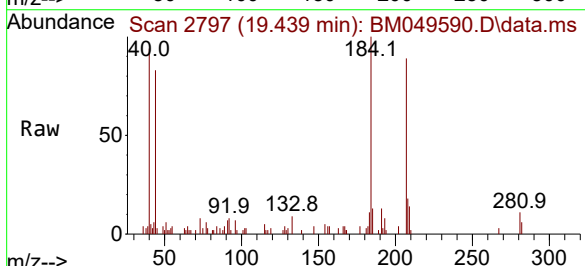
Tgt Ion:184 Resp: 13265

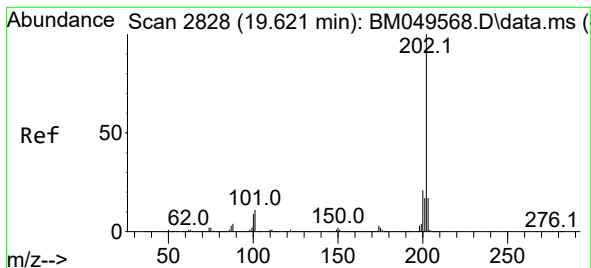
Ion Ratio Lower Upper

184 100

185 13.3 11.6 17.4

183 11.0 8.9 13.3





#78

Pyrene

Concen: 3.693 ng

RT: 19.615 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

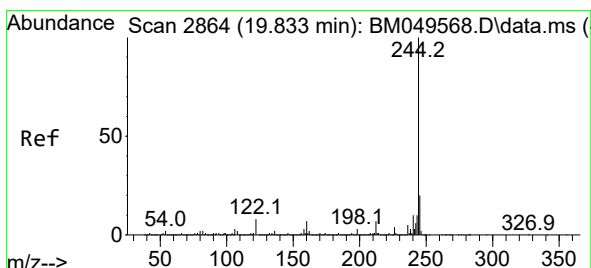
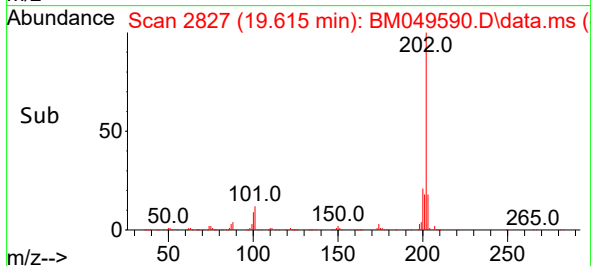
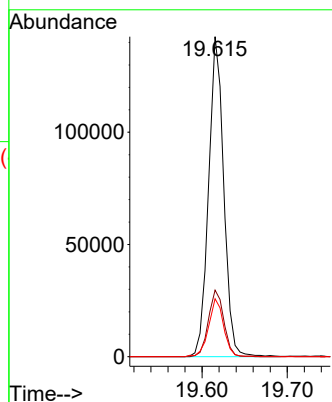
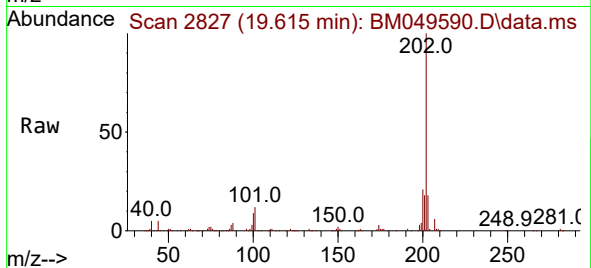
Tgt Ion:202 Resp: 176102

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.1 13.8 20.8



#79

Terphenyl-d14

Concen: 129.928 ng

RT: 19.833 min Scan# 2864

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

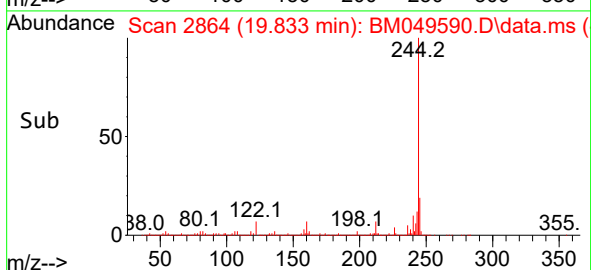
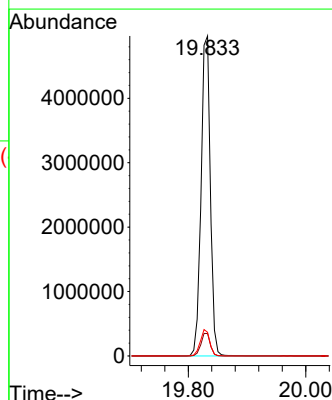
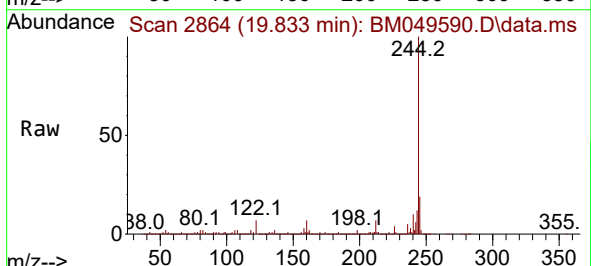
Tgt Ion:244 Resp: 5419260

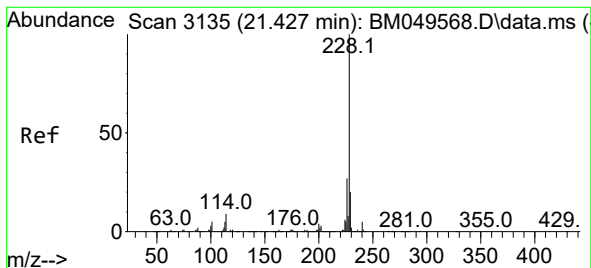
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 7.4 6.2 9.2





#81

Benzo(a)anthracene

Concen: 3.708 ng

RT: 21.421 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

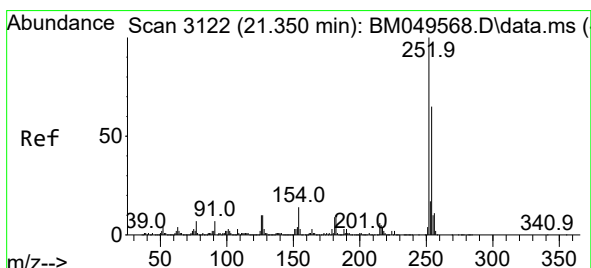
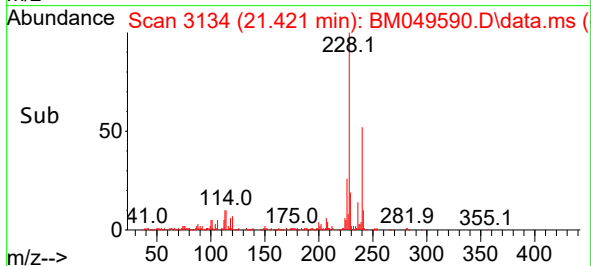
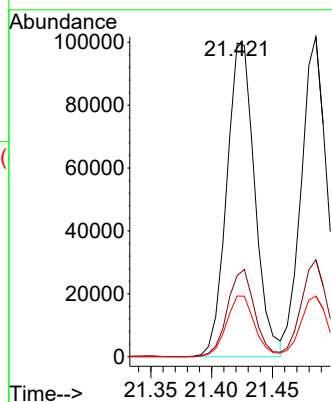
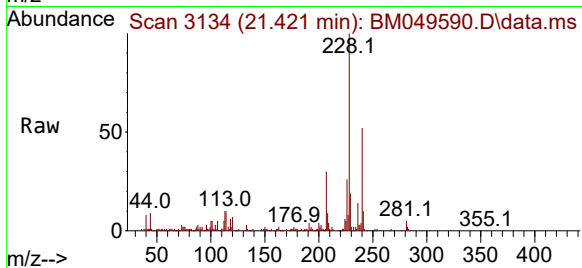
Tgt Ion:228 Resp: 160039

Ion Ratio Lower Upper

228 100

226 25.9 22.0 33.0

229 19.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 2.021 ng

RT: 21.344 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

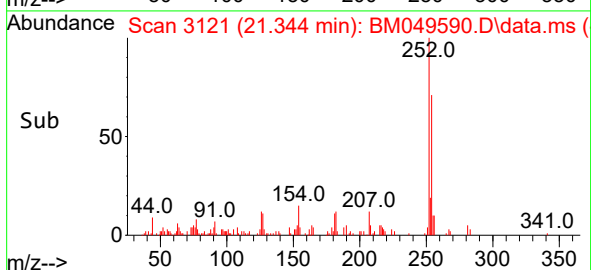
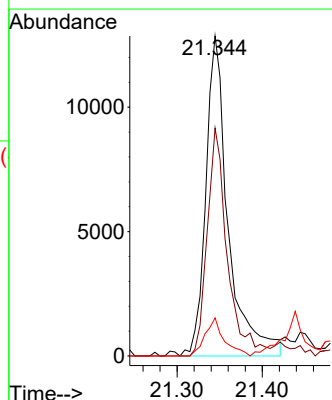
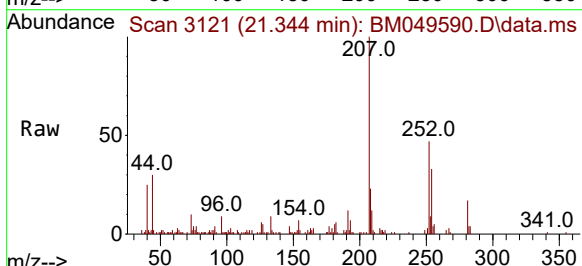
Tgt Ion:252 Resp: 23474

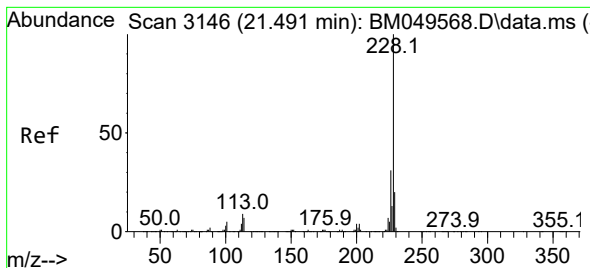
Ion Ratio Lower Upper

252 100

254 71.2 52.1 78.1

126 11.9 7.8 11.6#





#83

Chrysene

Concen: 3.838 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049590.D

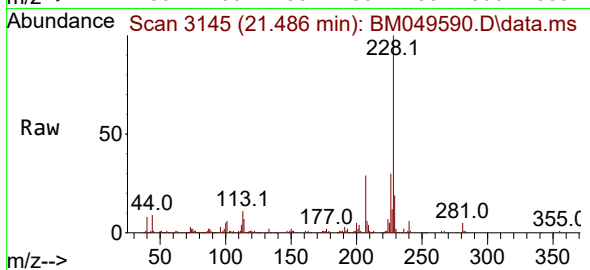
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



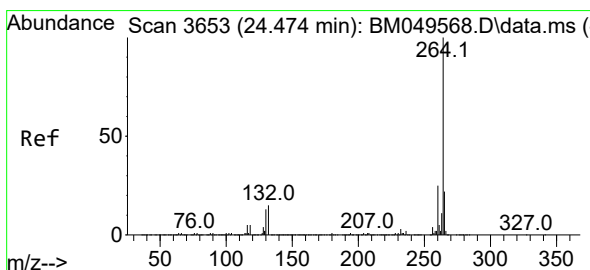
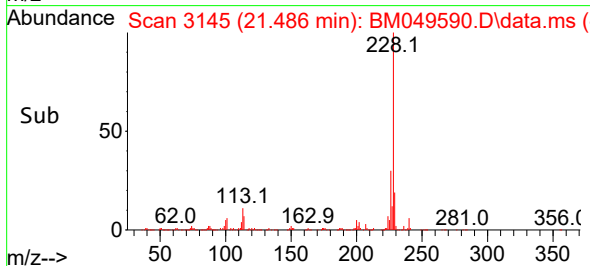
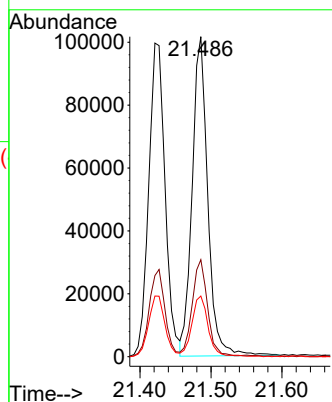
Tgt Ion:228 Resp: 155224

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 18.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

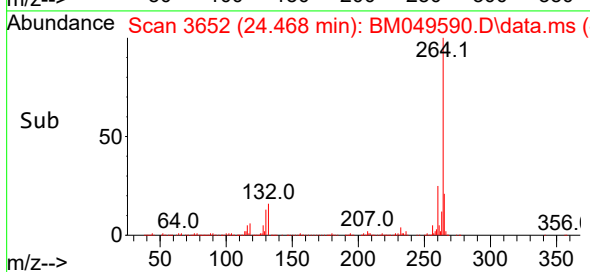
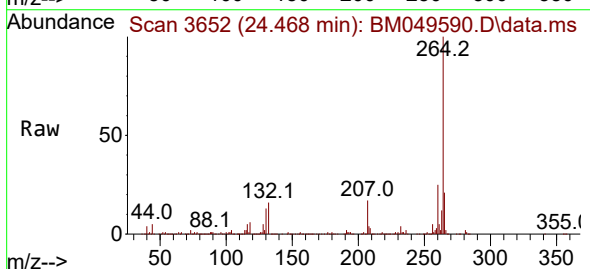
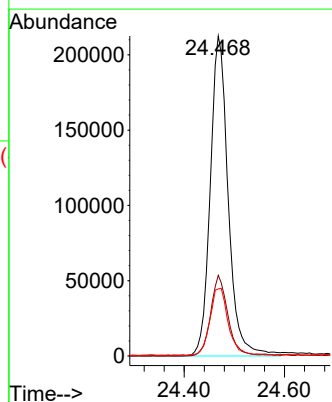
Tgt Ion:264 Resp: 528165

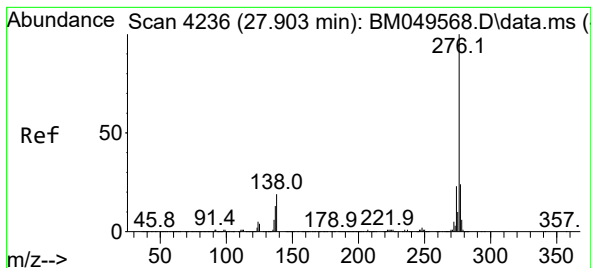
Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.6

265 21.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.832 ng

RT: 27.891 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

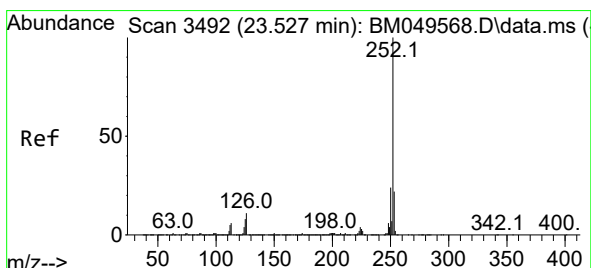
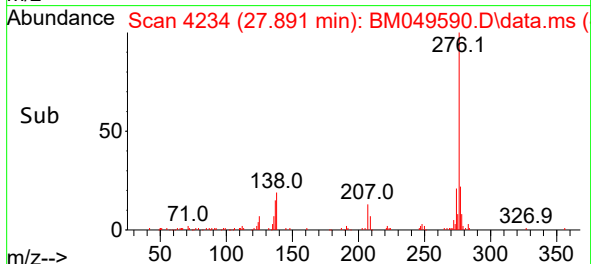
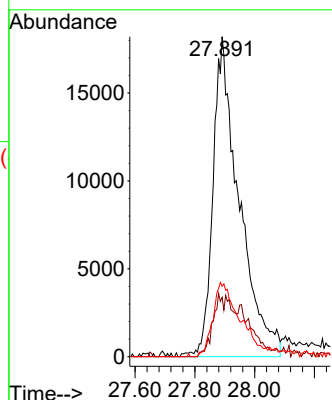
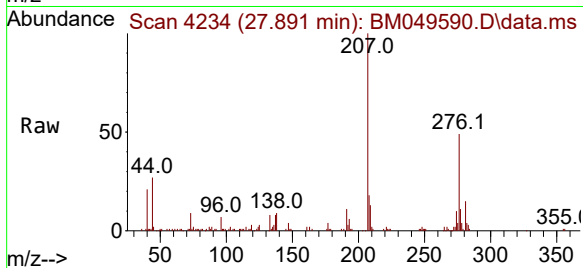
Tgt Ion:276 Resp: 110543

Ion Ratio Lower Upper

276 100

138 8.1 13.1 19.7#

277 24.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 3.273 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.012 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

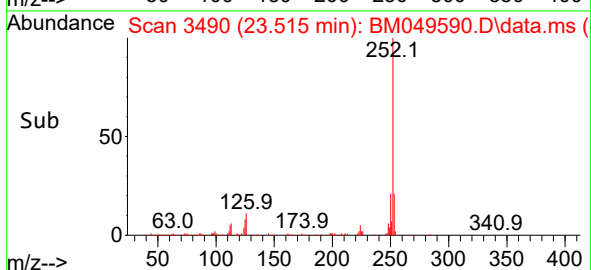
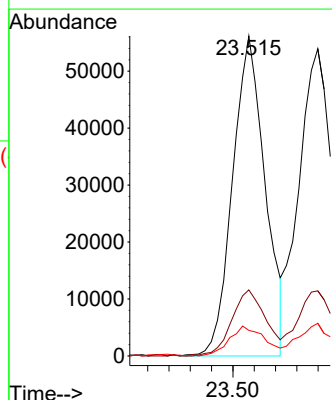
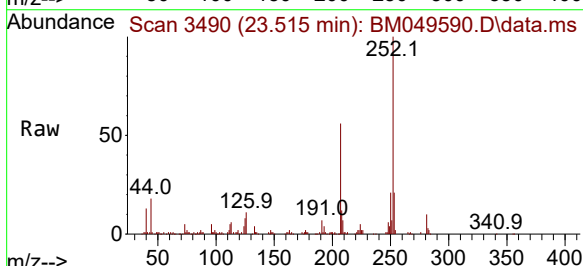
Tgt Ion:252 Resp: 118938

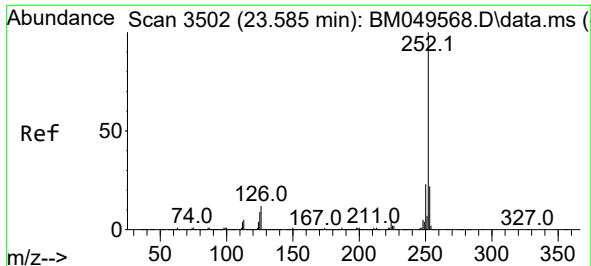
Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

125 8.0 6.6 10.0

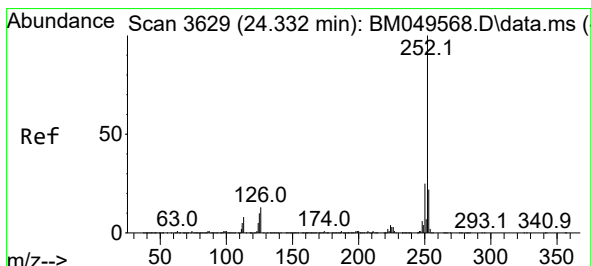
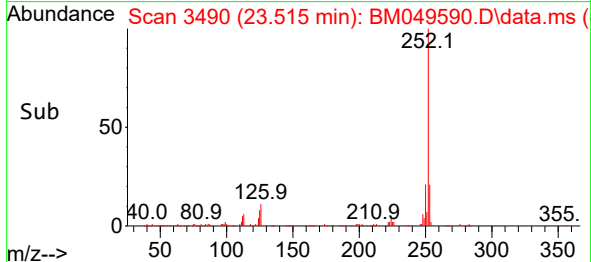
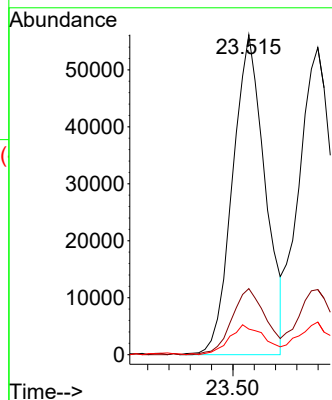
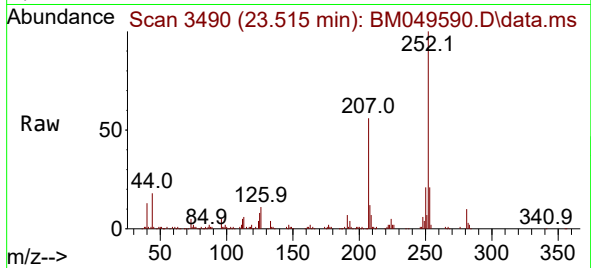




#89
Benzo(k)fluoranthene
Concen: 3.370 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.071 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

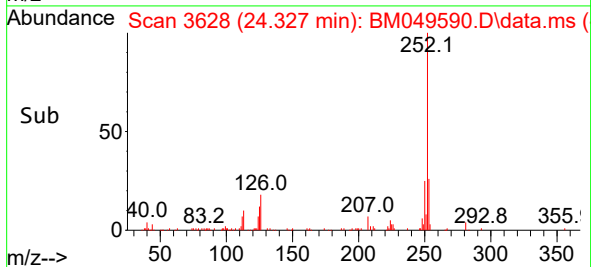
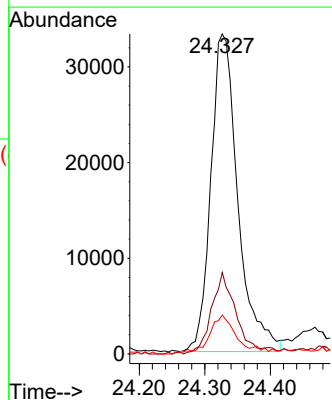
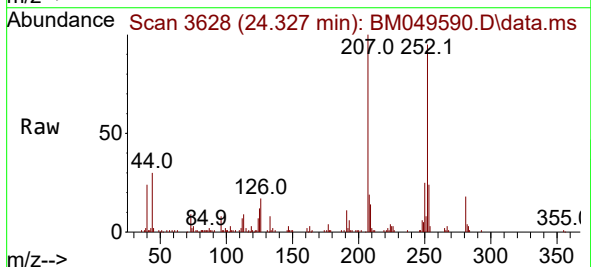
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

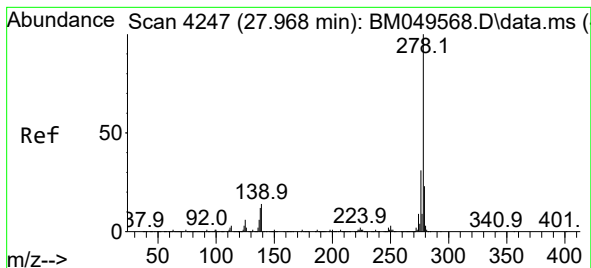
Tgt Ion:252 Resp: 118938
Ion Ratio Lower Upper
252 100
253 20.7 17.5 26.3
125 8.0 7.0 10.6



#90
Benzo(a)pyrene
Concen: 3.298 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:252 Resp: 94963
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 12.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.359 ng

RT: 27.956 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

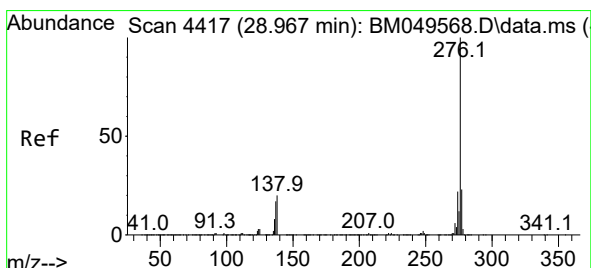
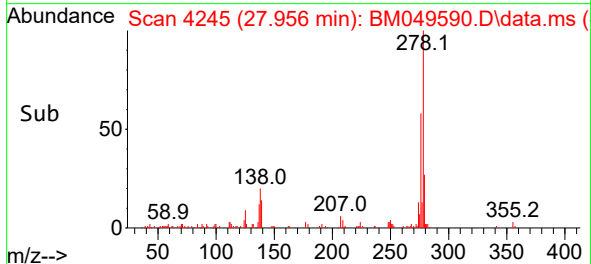
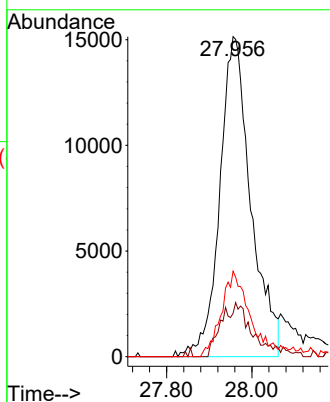
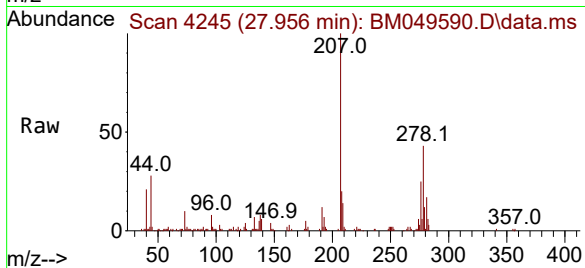
Tgt Ion:278 Resp: 76570

Ion Ratio Lower Upper

278 100

139 13.5 11.5 17.3

279 26.7 18.2 27.2



#92

Benzo(g,h,i)perylene

Concen: 3.552 ng

RT: 28.950 min Scan# 4414

Delta R.T. -0.018 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:276 Resp: 90449

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 18.7 16.0 24.0

