

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049591.D
 Acq On : 06 Feb 2025 22:55
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 07 01:32:43 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	194063	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	718872	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	445524	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	841588	20.000	ng	0.00
76) Chrysene-d12	21.439	240	727729	20.000	ng	0.00
86) Perylene-d12	24.468	264	606657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1673097	138.640	ng	0.00
7) Phenol-d6	6.981	99	2338065	147.881	ng	0.00
23) Nitrobenzene-d5	8.975	82	1555123	111.273	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	844367	159.945	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3917090	113.897	ng	0.00
79) Terphenyl-d14	19.833	244	6940943	145.646	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	48468	9.552	ng	97
3) Pyridine	3.699	79	113888	8.077	ng	94
4) n-Nitrosodimethylamine	3.605	42	61805	9.369	ng	# 93
6) Aniline	7.146	93	149369	9.968	ng	99
8) 2-Chlorophenol	7.387	128	110436	9.165	ng	98
9) Benzaldehyde	6.957	77	116131	13.872	ng	97
10) Phenol	7.004	94	145077	9.316	ng	92
11) bis(2-Chloroethyl)ether	7.245	93	118500	9.406	ng	96
12) 1,3-Dichlorobenzene	7.716	146	128194	9.165	ng	98
13) 1,4-Dichlorobenzene	7.857	146	128478	9.081	ng	98
14) 1,2-Dichlorobenzene	8.175	146	126622	9.269	ng	99
15) Benzyl Alcohol	8.057	79	91344	8.304	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.345	45	179318	10.573	ng	100
17) 2-Methylphenol	8.257	107	82919	8.708	ng	97
18) Hexachloroethane	8.910	117	45194	8.745	ng	95
19) n-Nitroso-di-n-propyla...	8.628	70	96376	9.309	ng	97
20) 3+4-Methylphenols	8.587	107	106702	8.489	ng	95
22) Acetophenone	8.640	105	183915	9.499	ng	97
24) Nitrobenzene	9.016	77	142738	10.512	ng	96
25) Isophorone	9.545	82	242320	9.614	ng	97
26) 2-Nitrophenol	9.734	139	24455	8.083	ng	95
27) 2,4-Dimethylphenol	9.792	122	55025	6.904	ng	93
28) bis(2-Chloroethoxy)met...	10.034	93	150119	9.248	ng	99
29) 2,4-Dichlorophenol	10.263	162	87306	7.955	ng	98
30) 1,2,4-Trichlorobenzene	10.481	180	124284	9.243	ng	98
31) Naphthalene	10.669	128	343582	9.062	ng	98
32) Benzoic acid	9.839	122	17490	9.326	ng	99
33) 4-Chloroaniline	10.769	127	131339	9.255	ng	98
34) Hexachlorobutadiene	10.969	225	72503	9.004	ng	98
35) Caprolactam	11.516	113	23112	6.903	ng	91
36) 4-Chloro-3-methylphenol	11.892	107	80520	7.357	ng	99
37) 2-Methylnaphthalene	12.286	142	231163	8.660	ng	99
38) 1-Methylnaphthalene	12.504	142	216598	8.340	ng	100
40) 1,2,4,5-Tetrachloroben...	12.651	216	133600	9.121	ng	99
41) Hexachlorocyclopentadiene	12.645	237	21818	5.835	ng	97
43) 2,4,6-Trichlorophenol	12.886	196	53693	6.717	ng	98

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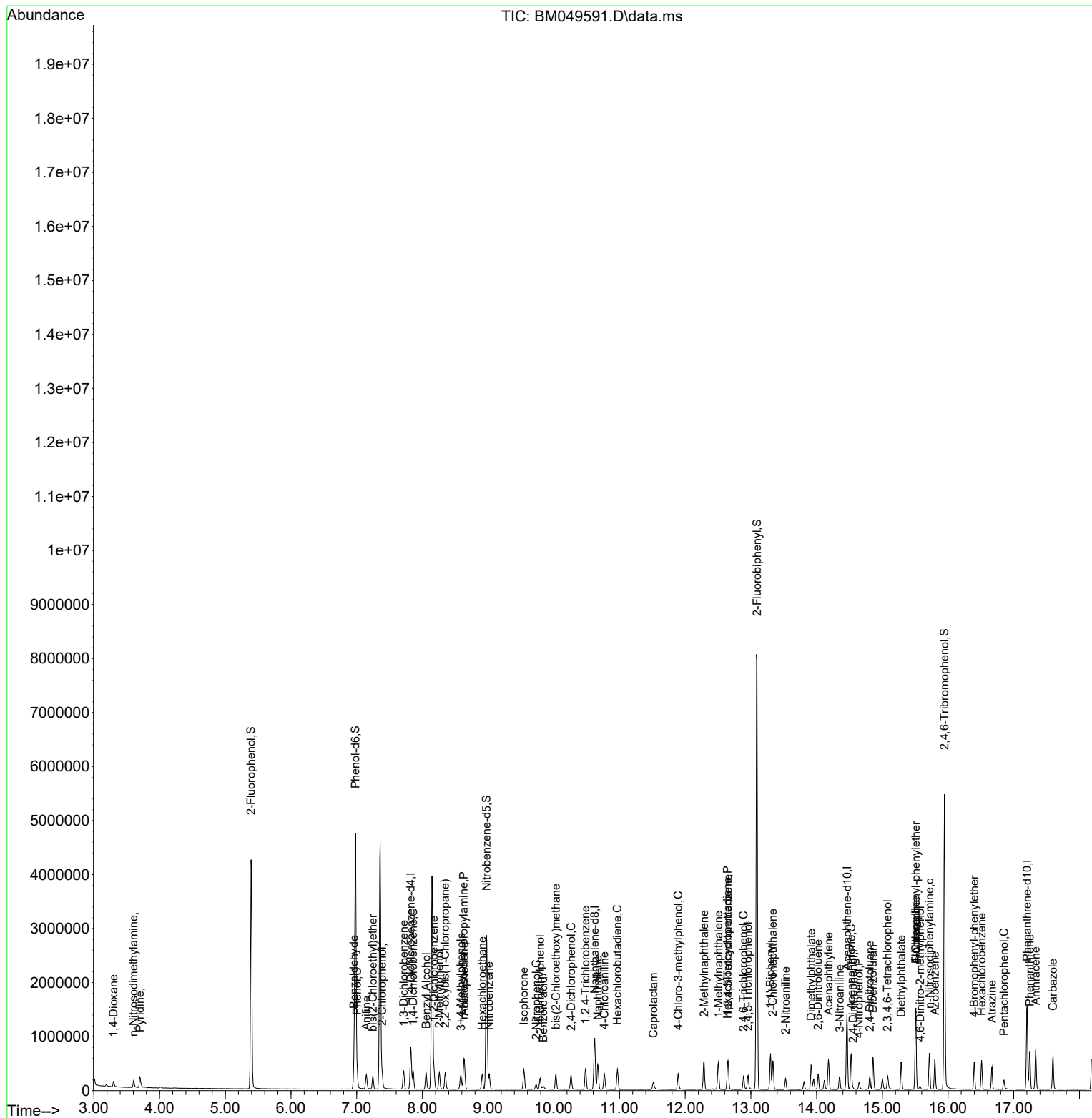
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	69455	7.907	ng	97
46) 1,1'-Biphenyl	13.298	154	316910	9.324	ng	98
47) 2-Chloronaphthalene	13.333	162	244191	9.286	ng	99
48) 2-Nitroaniline	13.527	65	47408	10.377	ng	94
49) Acenaphthylene	14.180	152	364682	9.405	ng	99
50) Dimethylphthalate	13.916	163	273155	8.537	ng	99
51) 2,6-Dinitrotoluene	14.022	165	46573	8.412	ng	# 87
52) Acenaphthene	14.527	154	218480	8.489	ng	96
53) 3-Nitroaniline	14.351	138	46955	8.330	ng	96
54) 2,4-Dinitrophenol	14.557	184	6224	9.440	ng	# 84
55) Dibenzofuran	14.857	168	357842	8.732	ng	99
56) 4-Nitrophenol	14.645	139	26836	5.648	ng	95
57) 2,4-Dinitrotoluene	14.810	165	52921	10.230	ng	94
58) Fluorene	15.510	166	287522	8.201	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.080	232	48967	6.598	ng	97
60) Diethylphthalate	15.286	149	260949	8.115	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	149171	7.994	ng	96
62) 4-Nitroaniline	15.510	138	46842	10.069	ng	95
63) Azobenzene	15.798	77	306954	9.146	ng	97
65) 4,6-Dinitro-2-methylph...	15.574	198	9839	9.462	ng	92
66) n-Nitrosodiphenylamine	15.716	169	226706	8.542	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	81954	8.382	ng	96
68) Hexachlorobenzene	16.510	284	95467	8.507	ng	95
69) Atrazine	16.668	200	65818	8.342	ng	97
70) Pentachlorophenol	16.851	266	31916	11.521	ng	98
71) Phenanthrene	17.245	178	418835	8.736	ng	100
72) Anthracene	17.333	178	398742	8.399	ng	99
73) Carbazole	17.598	167	359816	8.636	ng	98
74) Di-n-butylphthalate	18.186	149	378428	7.158	ng	100
75) Fluoranthene	19.256	202	439809	7.835	ng	98
77) Benzidine	19.439	184	43288	6.717	ng	# 93
78) Pyrene	19.615	202	460775	8.456	ng	99
80) Butylbenzylphthalate	20.533	149	77086	4.546	ng	98
81) Benzo(a)anthracene	21.421	228	432465	8.769	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	86811	6.541	ng	97
83) Chrysene	21.486	228	411420	8.904	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	160381	5.518	ng	100
85) Di-n-octyl phthalate	22.533	149	197430	4.305	ng	# 91
87) Indeno(1,2,3-cd)pyrene	27.891	276	293941	8.872	ng	# 86
88) Benzo(b)fluoranthene	23.580	252	340281	8.154	ng	99
89) Benzo(k)fluoranthene	23.580	252	340281	8.395	ng	100
90) Benzo(a)pyrene	24.327	252	284064	8.589	ng	100
91) Dibenzo(a,h)anthracene	27.956	278	223082	8.520	ng	96
92) Benzo(g,h,i)perylene	28.944	276	248224	8.486	ng	98

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

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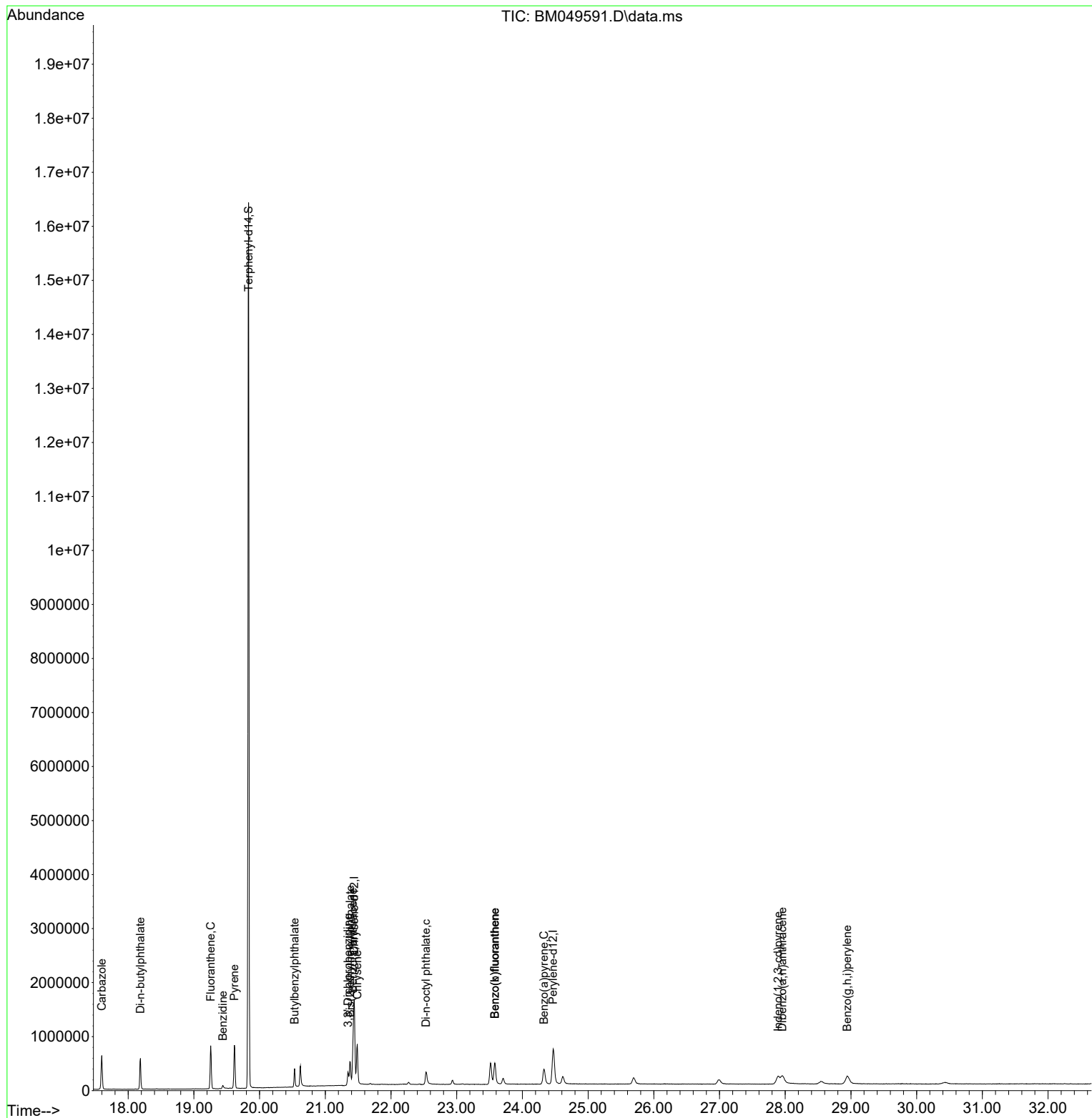
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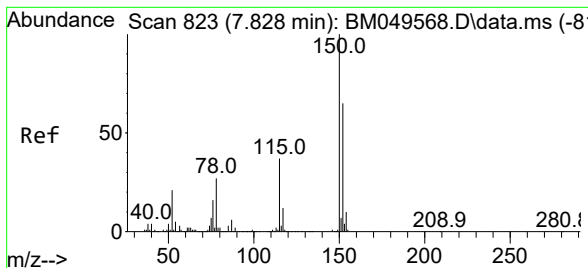


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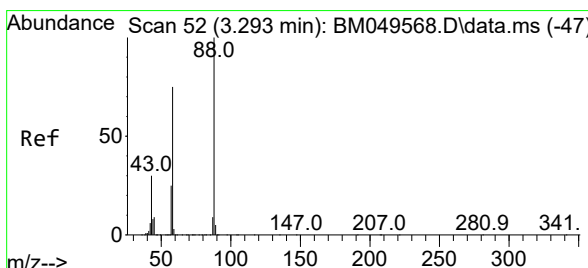
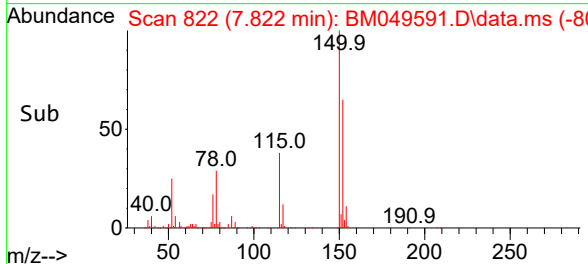
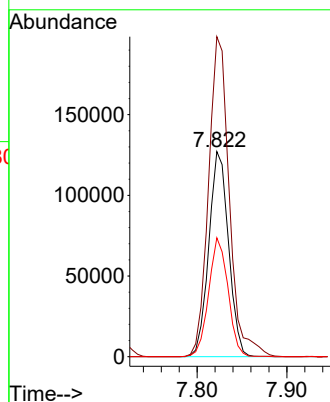
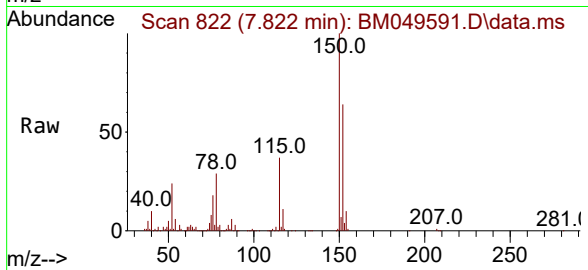




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.822 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM049591.D
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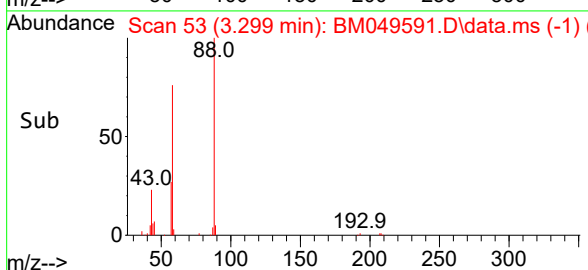
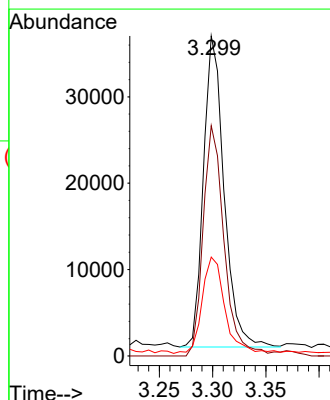
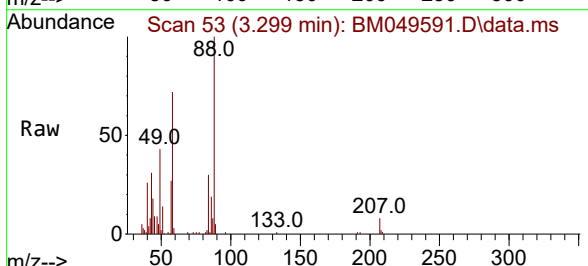
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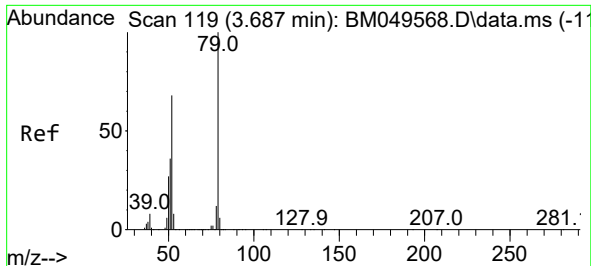
Tgt Ion:152 Resp: 194063
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.6 184.0
 115 58.0 45.4 68.0



#2
 1,4-Dioxane
 Concen: 9.552 ng
 RT: 3.299 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55

Tgt Ion: 88 Resp: 48468
 Ion Ratio Lower Upper
 88 100
 58 76.0 60.0 90.0
 43 35.1 24.4 36.6

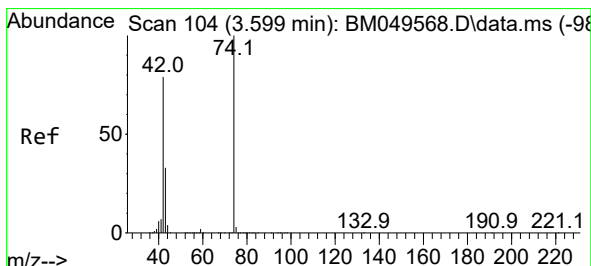
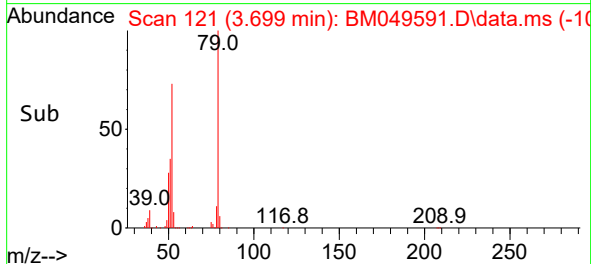
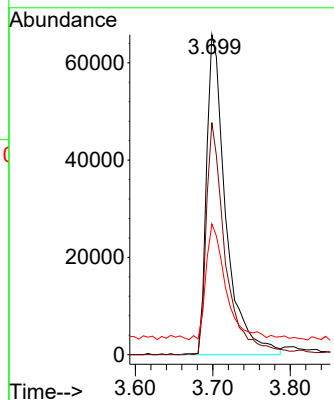
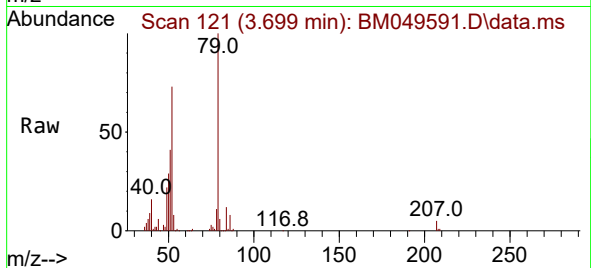




#3
 Pyridine
 Concen: 8.077 ng
 RT: 3.699 min Scan# 119
 Delta R.T. 0.012 min
 Lab File: BM049591.D
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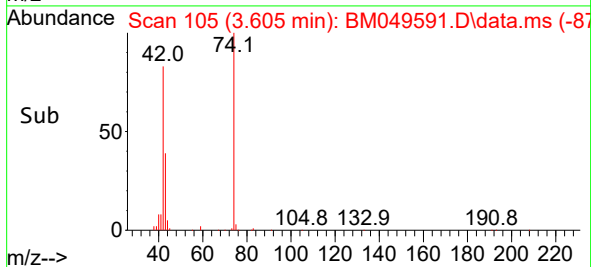
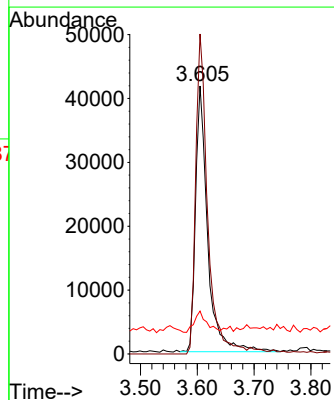
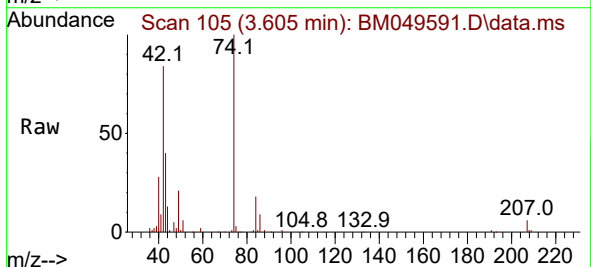
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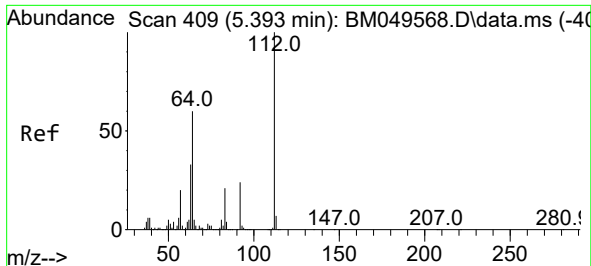
Tgt Ion: 79 Resp: 113888
 Ion Ratio Lower Upper
 79 100
 52 72.5 54.5 81.7
 51 40.9 29.0 43.6



#4
 n-Nitrosodimethylamine
 Concen: 9.369 ng
 RT: 3.605 min Scan# 105
 Delta R.T. 0.006 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55

Tgt Ion: 42 Resp: 61805
 Ion Ratio Lower Upper
 42 100
 74 119.4 101.3 151.9
 44 16.0 6.5 9.7#

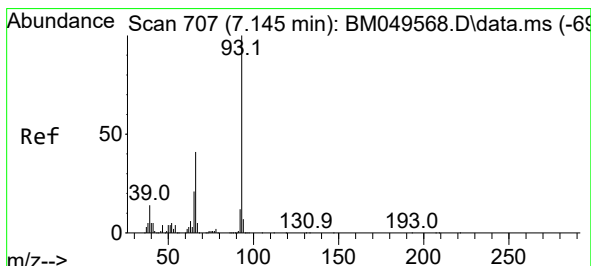
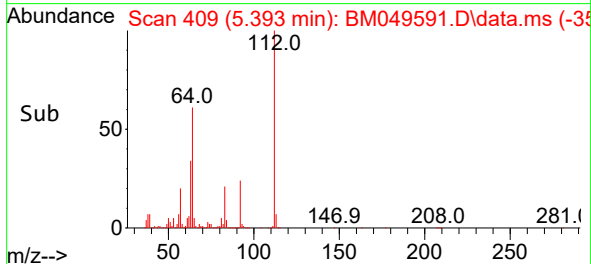
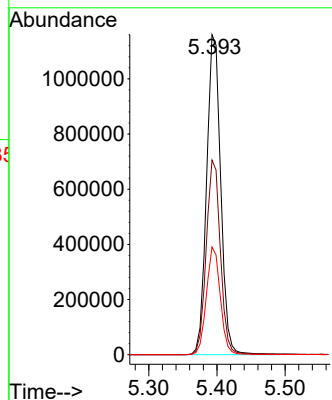
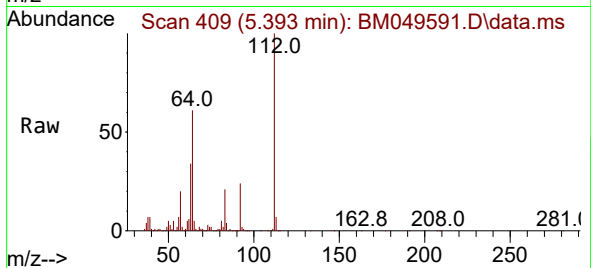




#5
2-Fluorophenol
Concen: 138.640 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049591.D
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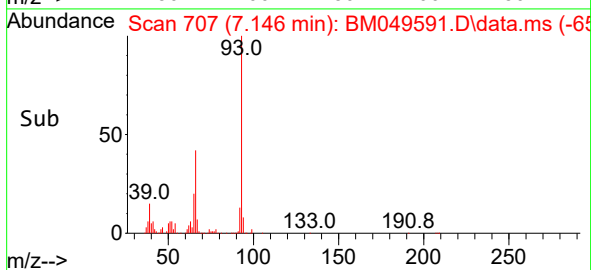
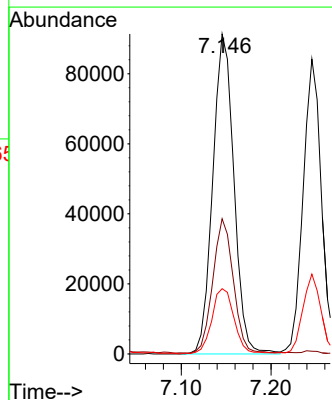
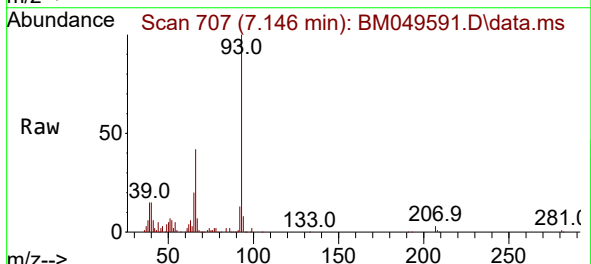
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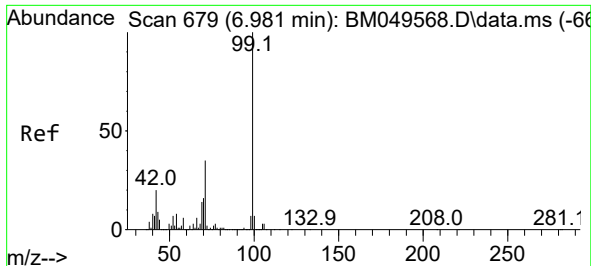
Tgt Ion:112 Resp: 1673097
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 33.6 26.2 39.4



#6
Aniline
Concen: 9.968 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049591.D
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Tgt Ion: 93 Resp: 149369
Ion Ratio Lower Upper
93 100
66 42.2 33.3 49.9
65 20.4 16.8 25.2

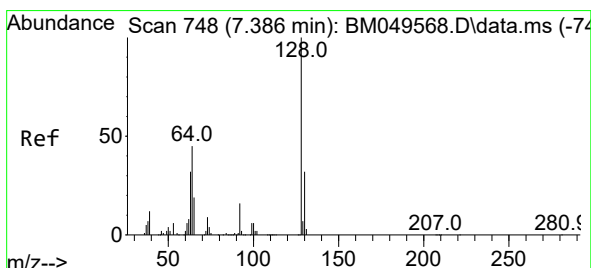
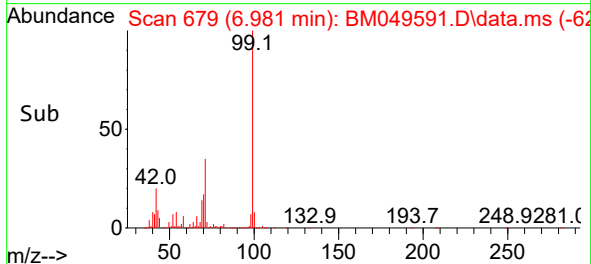
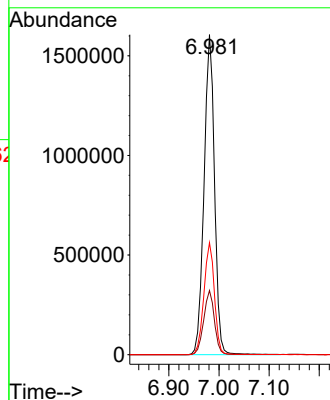
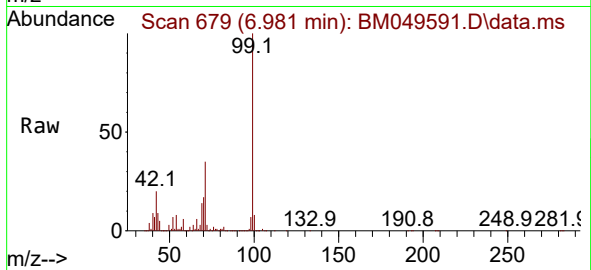




#7
Phenol-d6
Concen: 147.881 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049591.D
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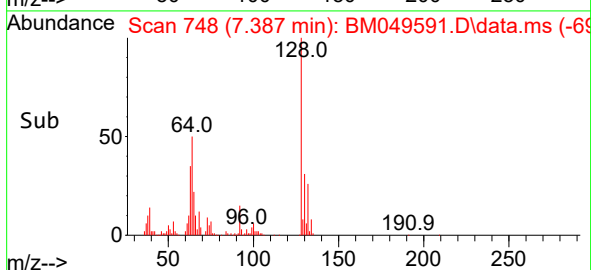
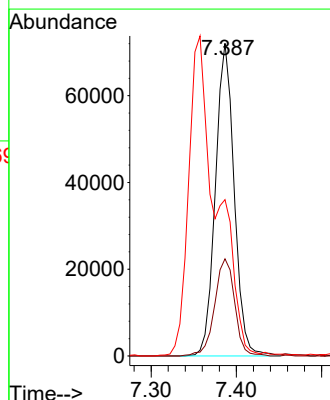
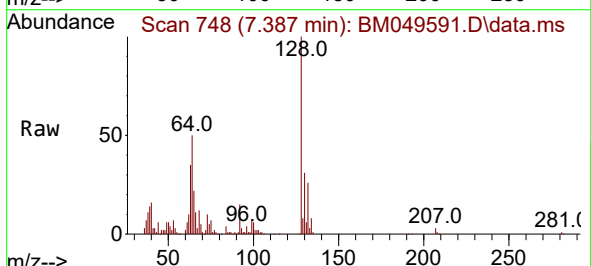
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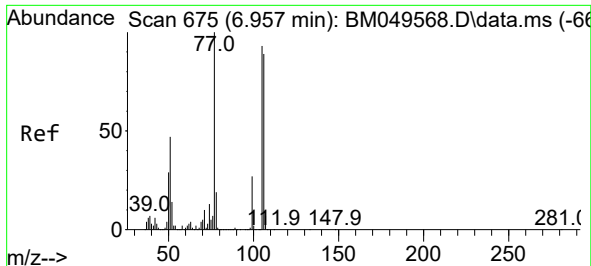
Tgt Ion: 99 Resp: 2338065
Ion Ratio Lower Upper
99 100
42 20.1 16.0 24.0
71 35.0 27.8 41.6



#8
2-Chlorophenol
Concen: 9.165 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
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Tgt Ion: 128 Resp: 110436
Ion Ratio Lower Upper
128 100
130 31.1 12.4 52.4
64 50.0 28.7 68.7

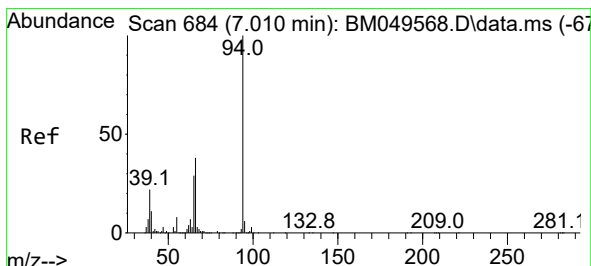
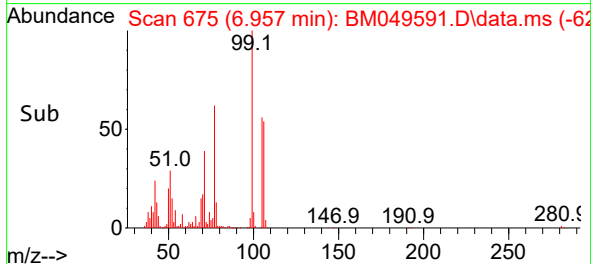
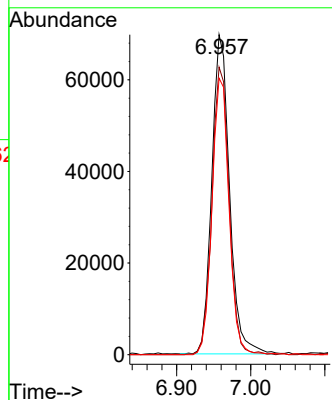
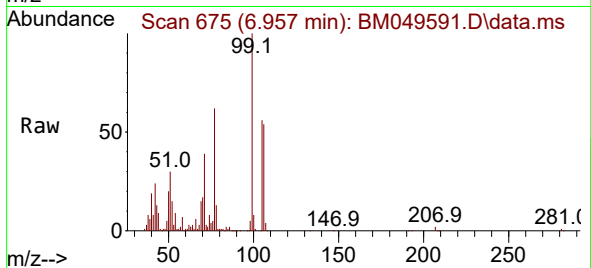




#9
Benzaldehyde
Concen: 13.872 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

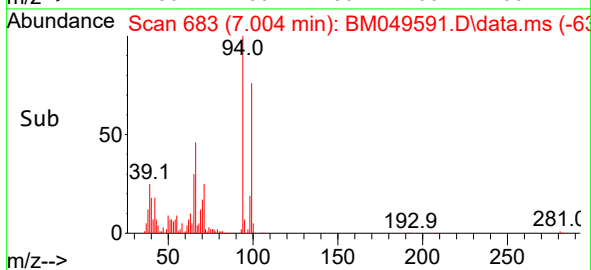
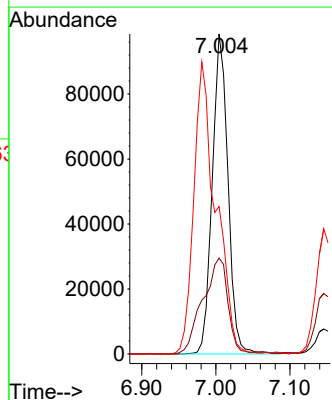
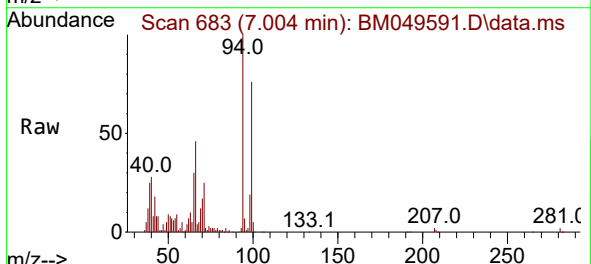
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

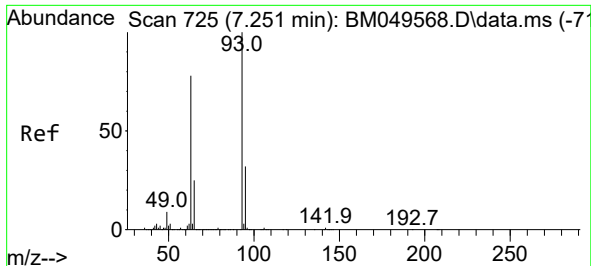
Tgt Ion: 77 Resp: 116131
Ion Ratio Lower Upper
77 100
105 89.8 72.7 112.7
106 86.4 68.9 108.9



#10
Phenol
Concen: 9.316 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 94 Resp: 145077
Ion Ratio Lower Upper
94 100
65 29.9 9.3 49.3
66 46.1 17.7 57.7





#11

bis(2-Chloroethyl)ether

Concen: 9.406 ng

RT: 7.245 min Scan# 71

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

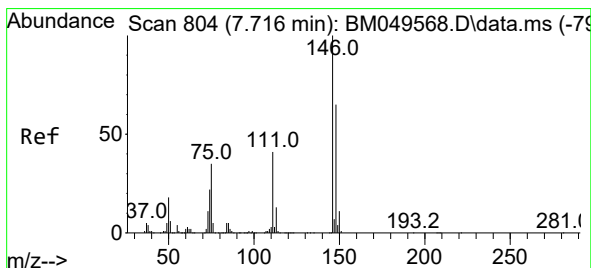
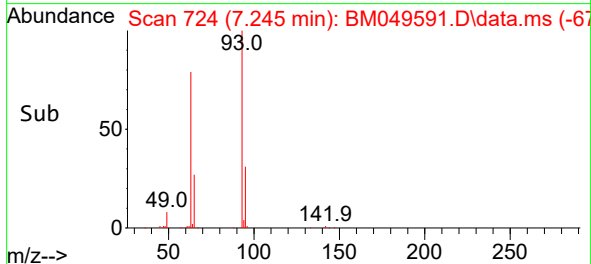
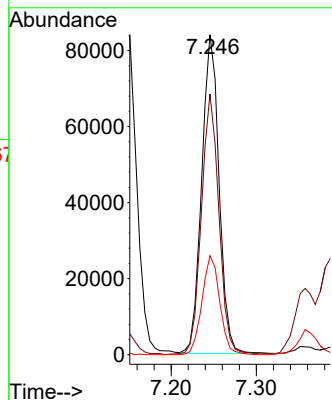
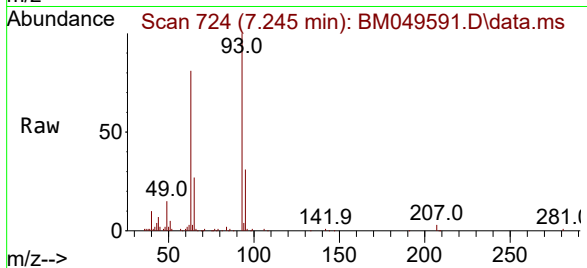
Tgt Ion: 93 Resp: 118500

Ion Ratio Lower Upper

93 100

63 81.5 57.3 97.3

95 30.9 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 9.165 ng

RT: 7.716 min Scan# 804

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

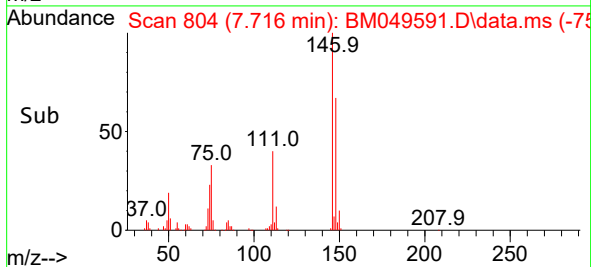
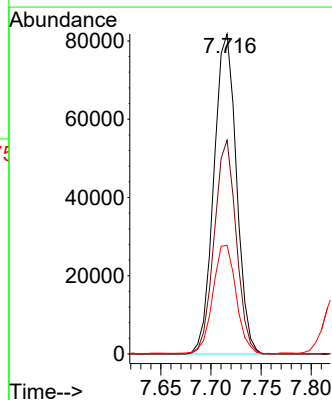
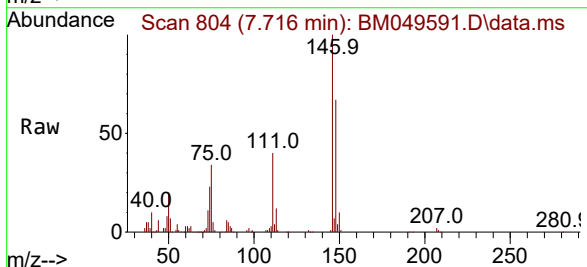
Tgt Ion:146 Resp: 128194

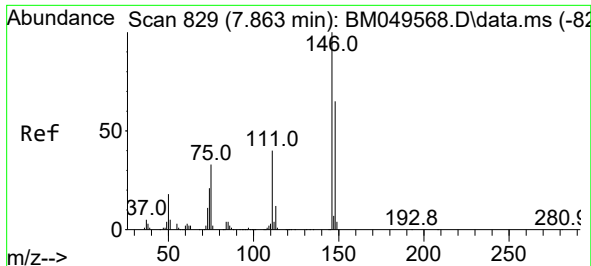
Ion Ratio Lower Upper

146 100

148 66.8 52.2 78.2

75 34.0 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 9.081 ng

RT: 7.857 min Scan# 81

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

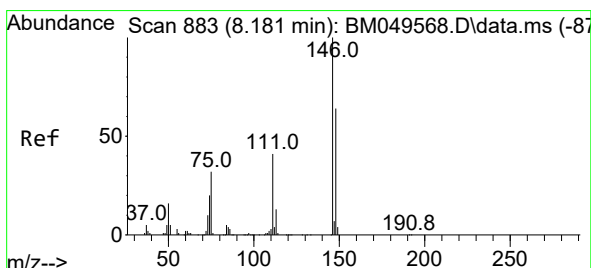
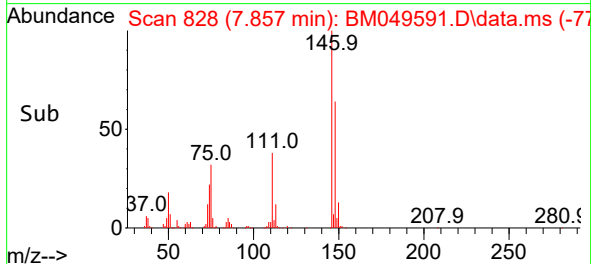
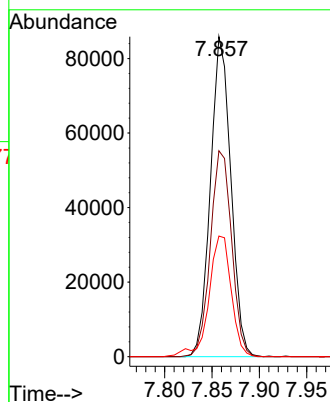
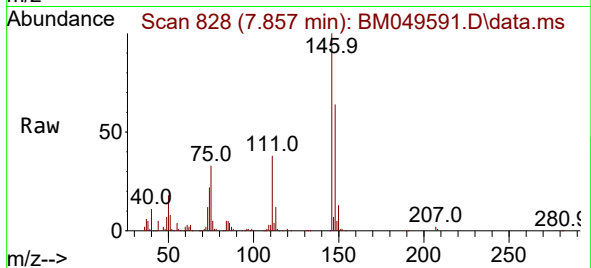
Tgt Ion:146 Resp: 128478

Ion Ratio Lower Upper

146 100

148 64.4 52.1 78.1

111 37.7 31.7 47.5



#14

1,2-Dichlorobenzene

Concen: 9.269 ng

RT: 8.175 min Scan# 882

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

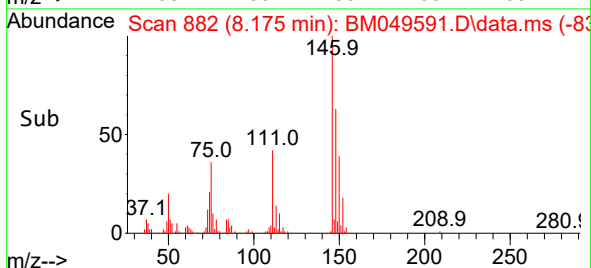
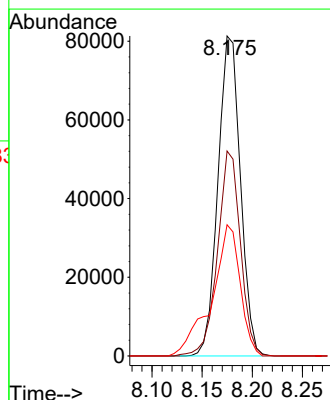
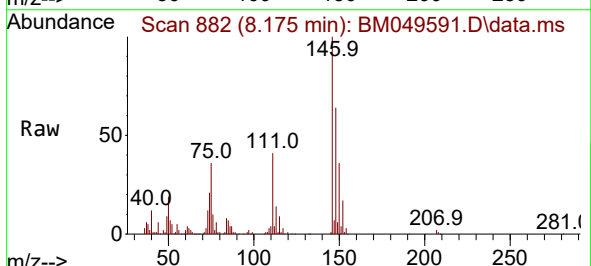
Tgt Ion:146 Resp: 126622

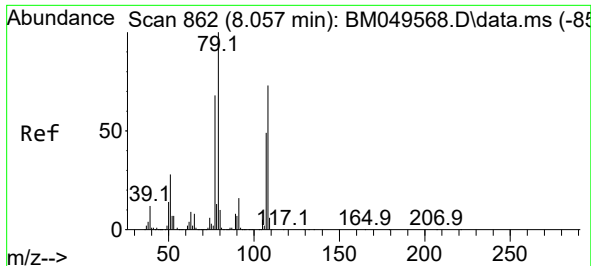
Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

111 41.0 33.4 50.0

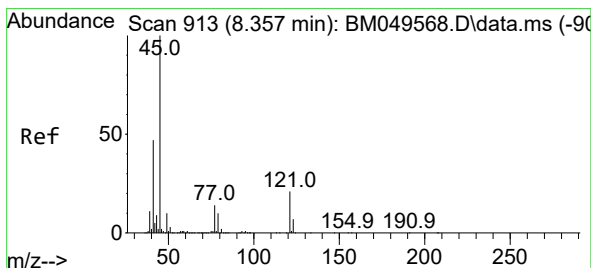
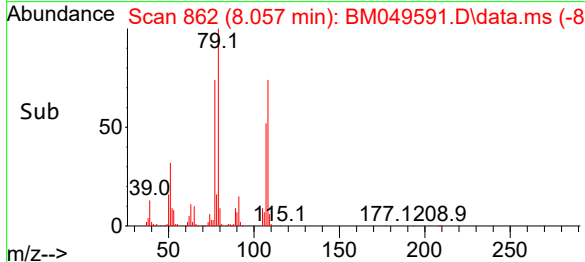
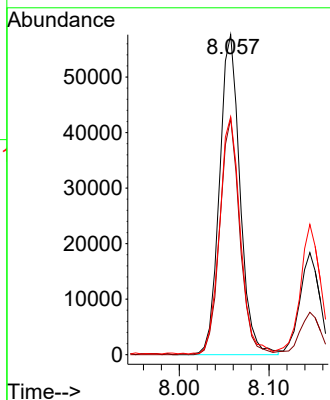
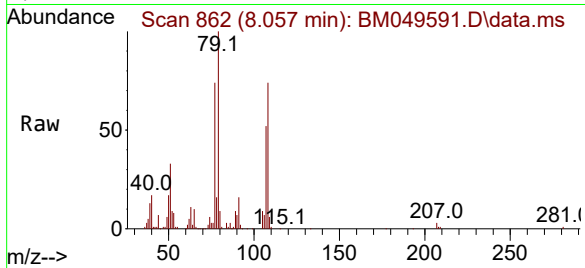




#15
Benzyl Alcohol
Concen: 8.304 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

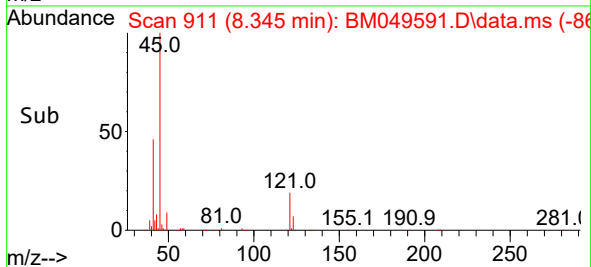
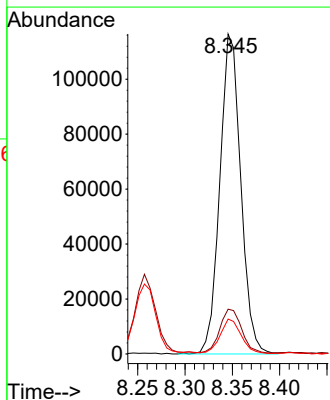
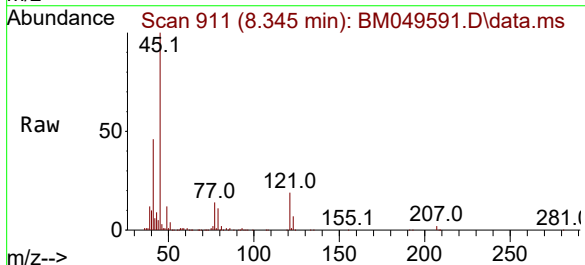
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

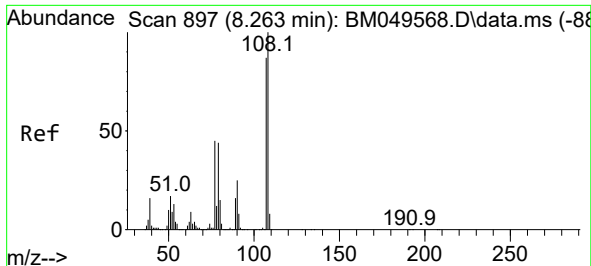
Tgt Ion: 79 Resp: 91344
Ion Ratio Lower Upper
79 100
108 73.8 58.6 88.0
77 74.3 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.573 ng
RT: 8.345 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 45 Resp: 179318
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.0
79 10.9 0.0 30.8

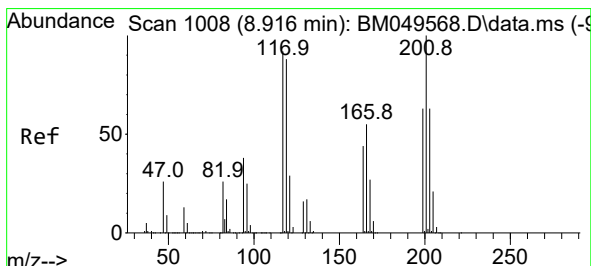
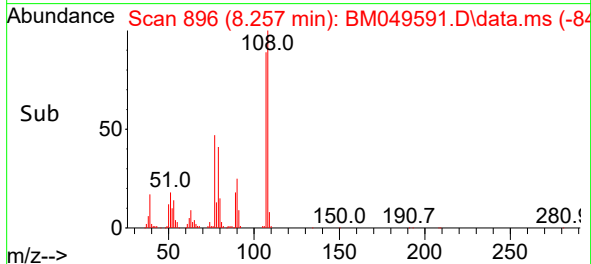
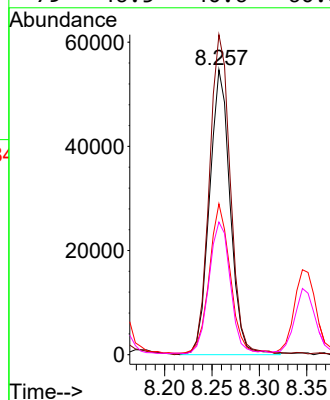
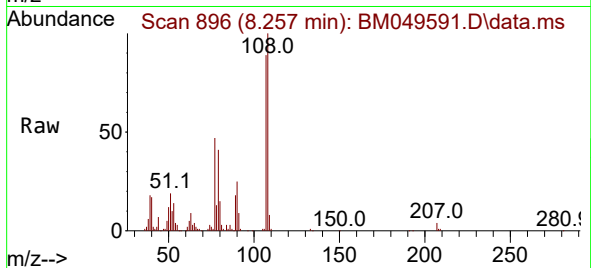




#17
2-Methylphenol
Concen: 8.708 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

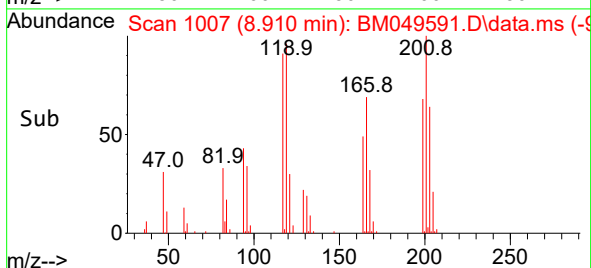
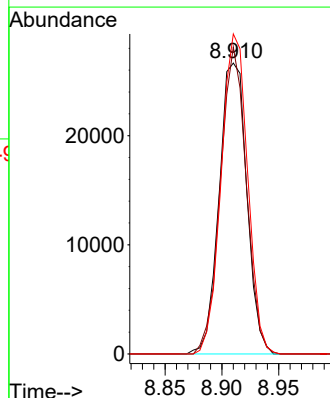
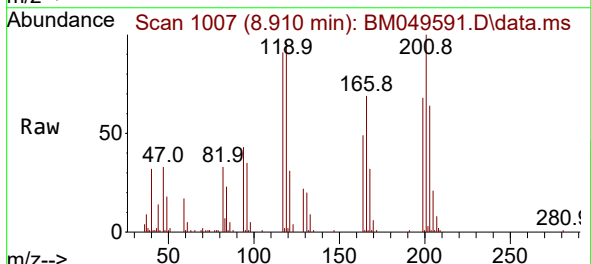
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

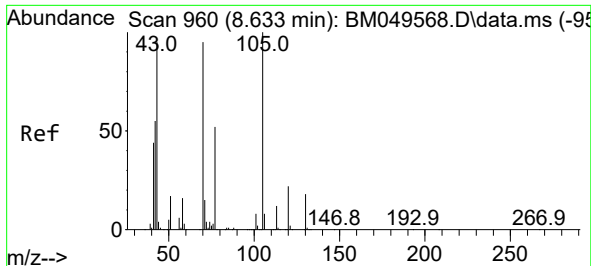
Tgt Ion:	107	Resp:	82919
Ion	Ratio	Lower	Upper
107	100		
108	112.3	92.2	138.4
77	53.0	41.3	61.9
79	46.5	40.6	60.8



#18
Hexachloroethane
Concen: 8.745 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:	117	Resp:	45194
Ion	Ratio	Lower	Upper
117	100		
119	105.5	76.8	115.2
201	110.0	87.0	130.6

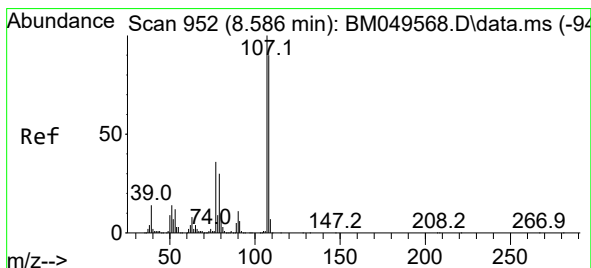
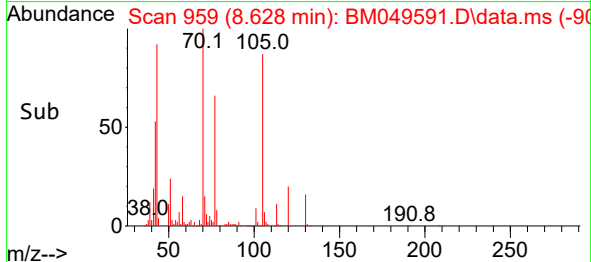
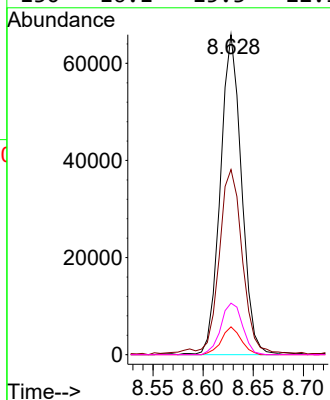
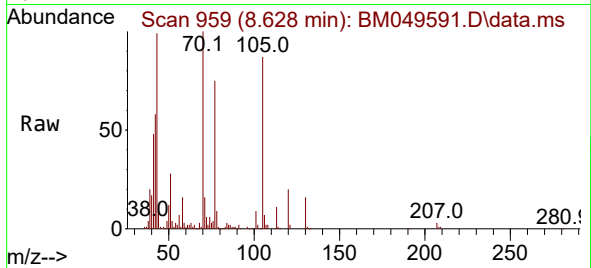




#19
n-Nitroso-di-n-propylamine
Concen: 9.309 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

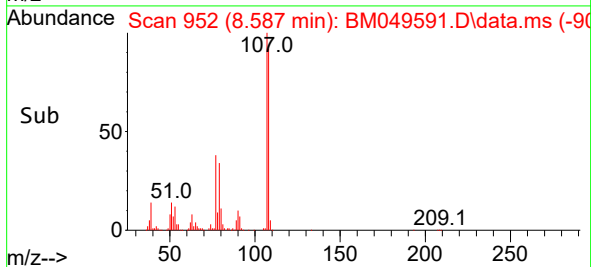
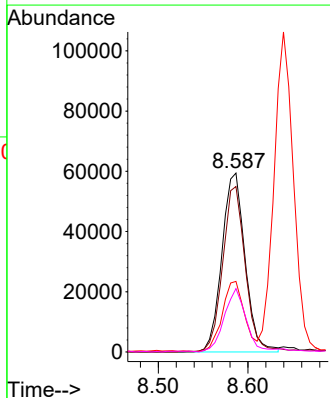
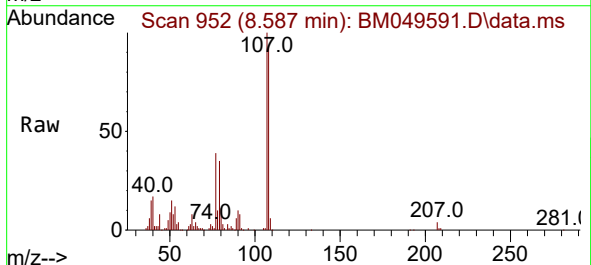
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

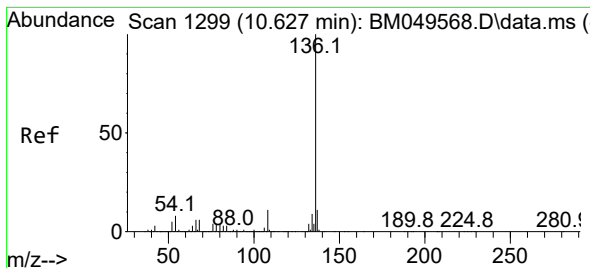
Tgt Ion: 70 Resp: 96376
Ion Ratio Lower Upper
70 100
42 57.9 47.4 71.2
101 8.7 7.1 10.7
130 16.1 15.3 22.9



#20
3+4-Methylphenols
Concen: 8.489 ng
RT: 8.587 min Scan# 952
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 107 Resp: 106702
Ion Ratio Lower Upper
107 100
108 92.5 69.6 109.6
77 39.4 16.0 56.0
79 35.4 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: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:136 Resp: 718872

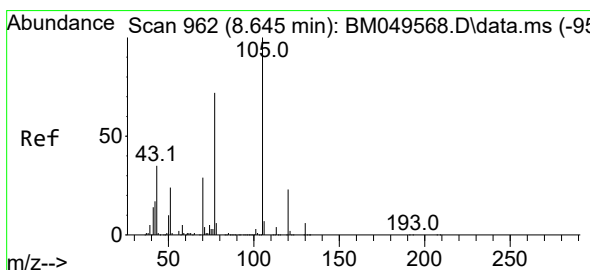
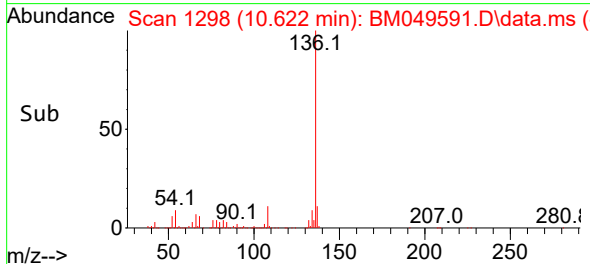
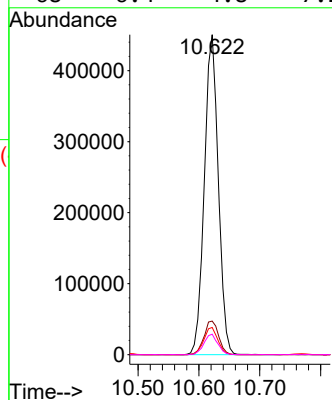
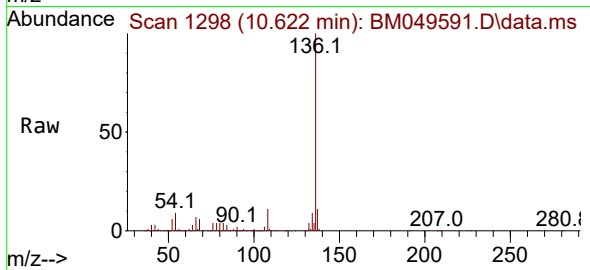
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 8.5 6.6 10.0

68 6.4 4.8 7.2



#22

Acetophenone

Concen: 9.499 ng

RT: 8.640 min Scan# 961

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:105 Resp: 183915

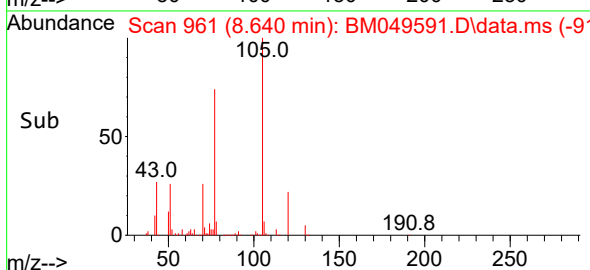
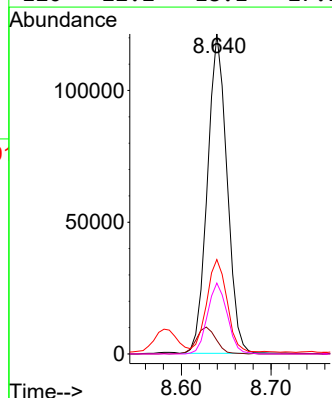
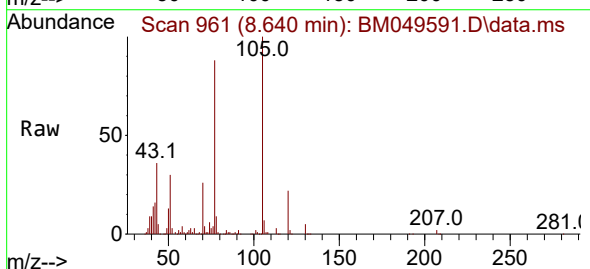
Ion Ratio Lower Upper

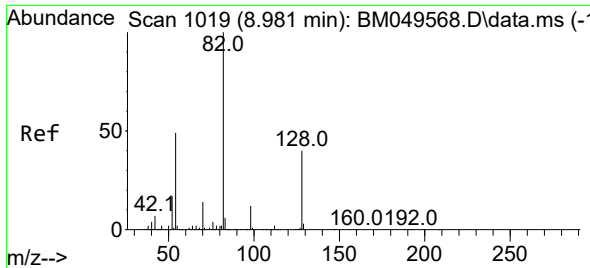
105 100

71 4.3 3.5 5.3

51 29.5 21.7 32.5

120 22.2 18.1 27.1

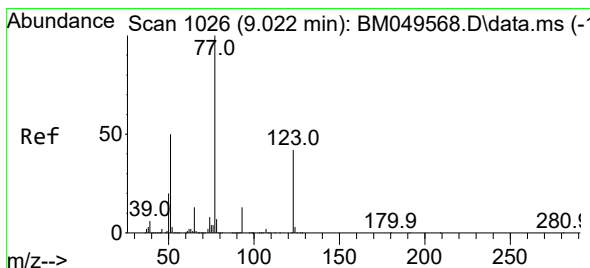
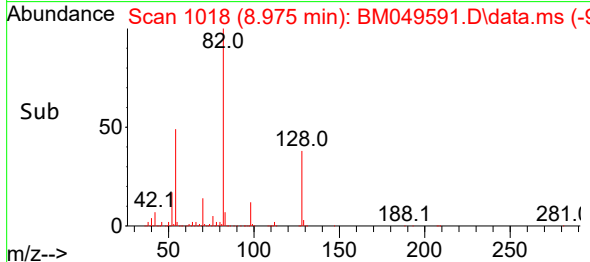
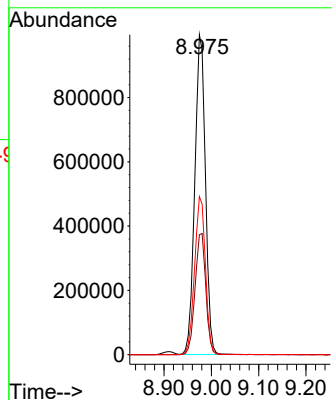
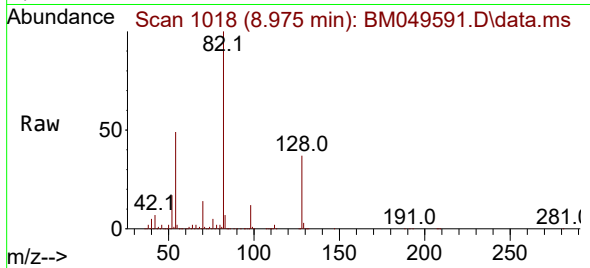




#23
Nitrobenzene-d5
Concen: 111.273 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

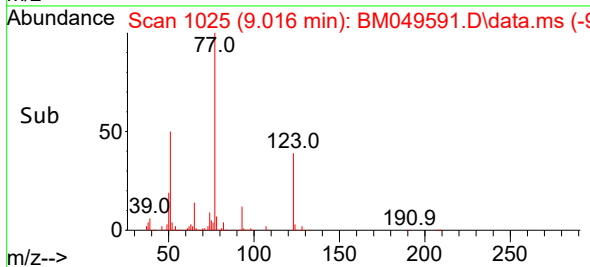
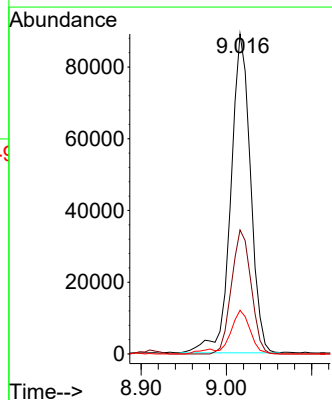
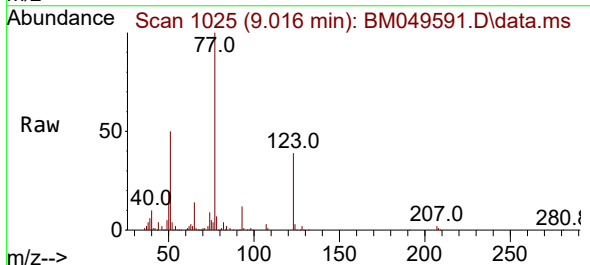
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

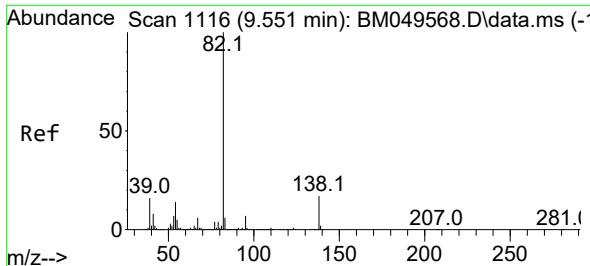
Tgt Ion: 82 Resp: 1555123
Ion Ratio Lower Upper
82 100
128 37.5 31.6 47.4
54 49.4 39.4 59.0



#24
Nitrobenzene
Concen: 10.512 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 77 Resp: 142738
Ion Ratio Lower Upper
77 100
123 38.8 33.4 50.2
65 13.7 10.5 15.7

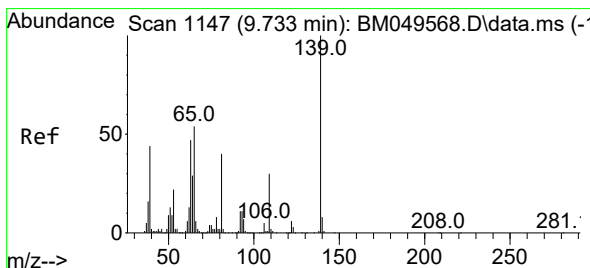
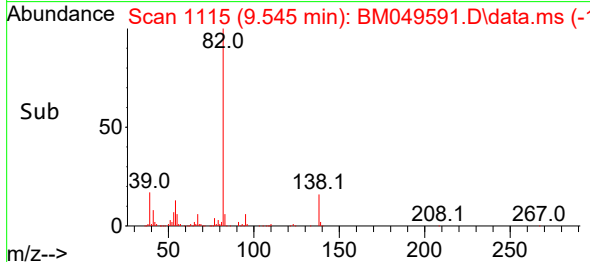
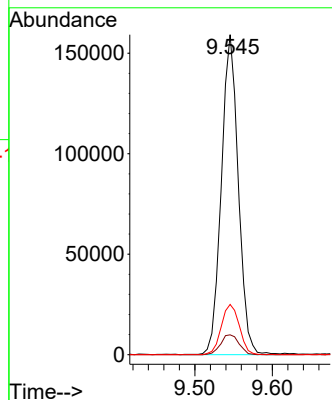
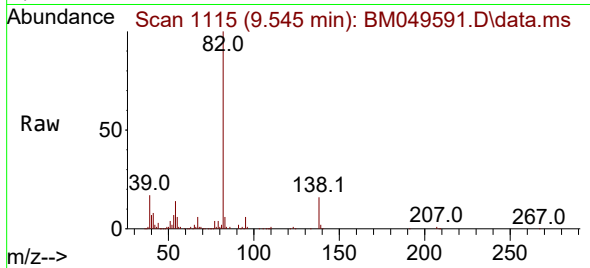




#25
Isophorone
Concen: 9.614 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

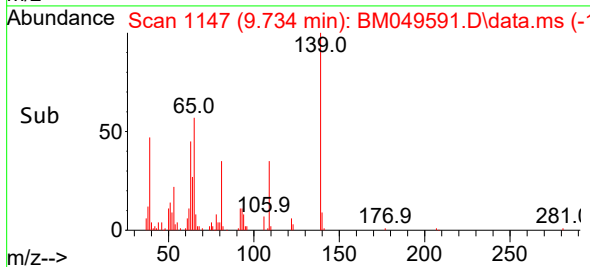
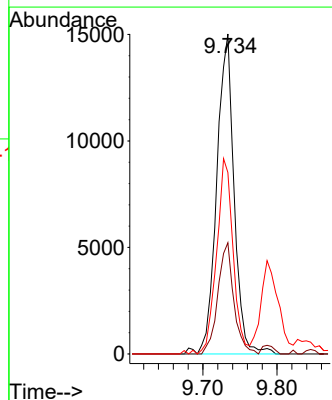
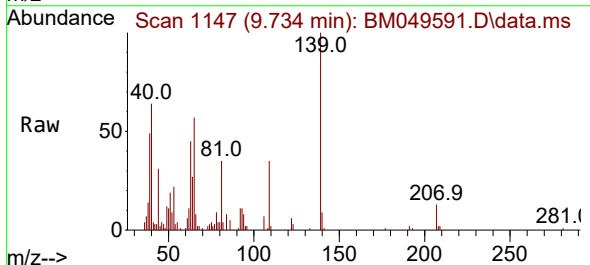
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

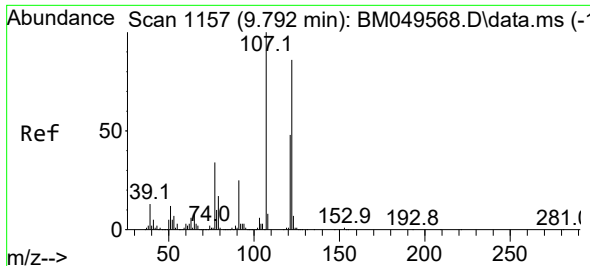
Tgt Ion: 82 Resp: 242320
Ion Ratio Lower Upper
82 100
95 6.2 5.5 8.3
138 15.7 13.6 20.4



#26
2-Nitrophenol
Concen: 8.083 ng
RT: 9.734 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 139 Resp: 24455
Ion Ratio Lower Upper
139 100
109 34.7 24.2 36.2
65 56.7 43.4 65.2

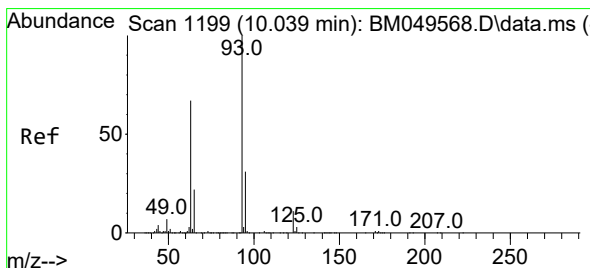
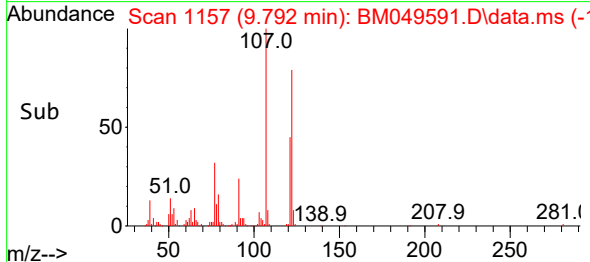
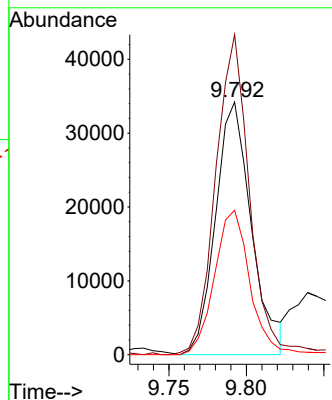
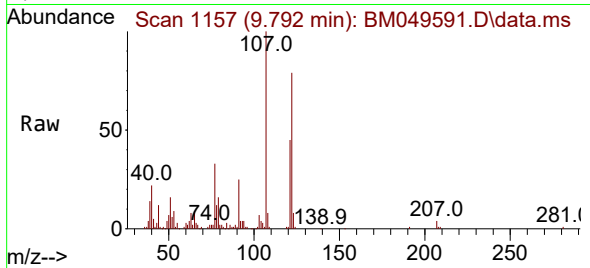




#27
2,4-Dimethylphenol
Concen: 6.904 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

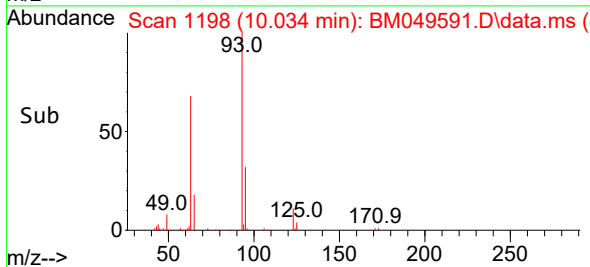
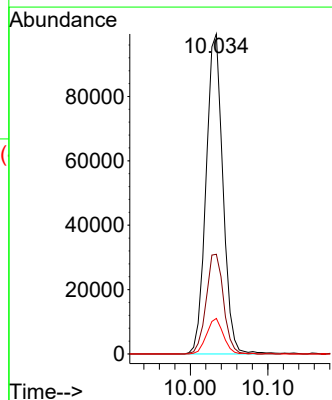
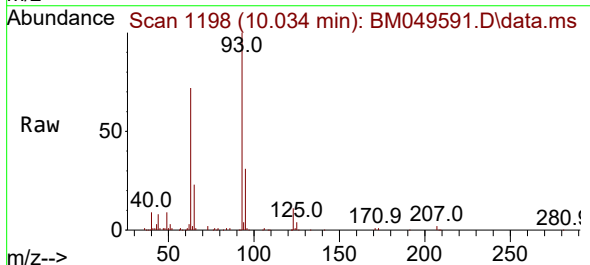
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

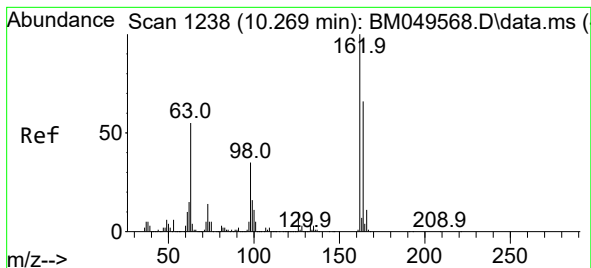
Tgt Ion:122 Resp: 55025
Ion Ratio Lower Upper
122 100
107 126.7 93.2 139.8
121 57.2 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 9.248 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 93 Resp: 150119
Ion Ratio Lower Upper
93 100
95 31.1 25.2 37.8
123 11.1 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 7.955 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

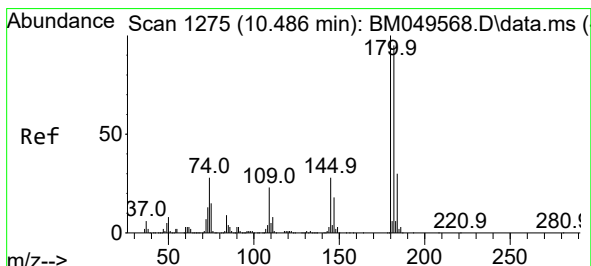
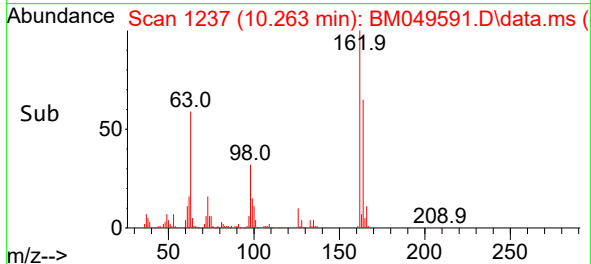
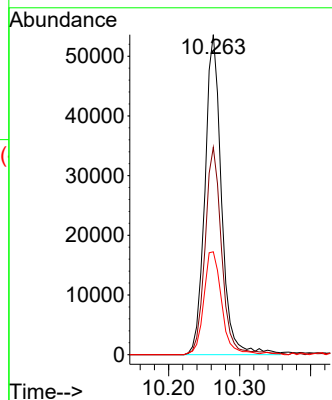
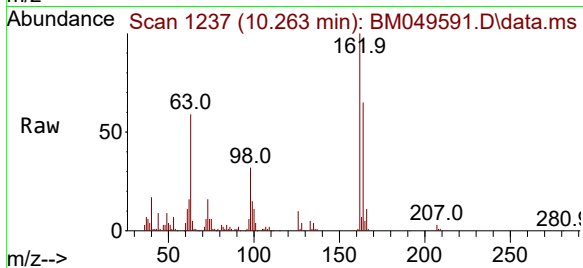
Tgt Ion:162 Resp: 87306

Ion Ratio Lower Upper

162 100

164 64.8 46.0 86.0

98 32.2 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 9.243 ng

RT: 10.481 min Scan# 1274

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

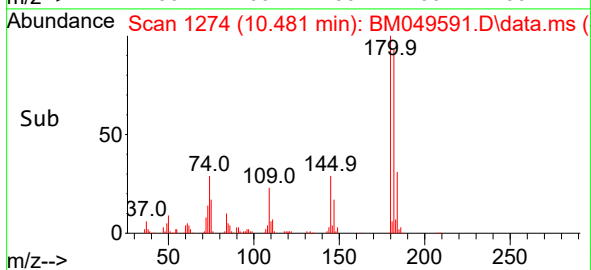
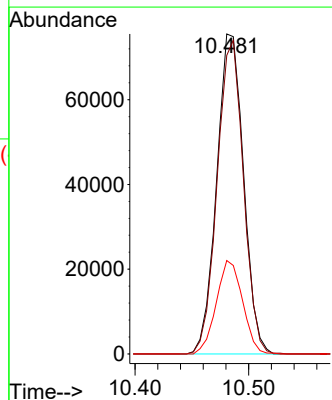
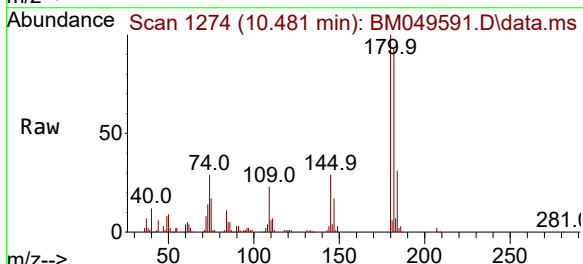
Tgt Ion:180 Resp: 124284

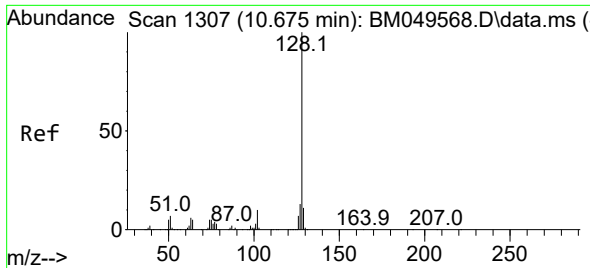
Ion Ratio Lower Upper

180 100

182 93.3 76.4 114.6

145 29.2 22.5 33.7

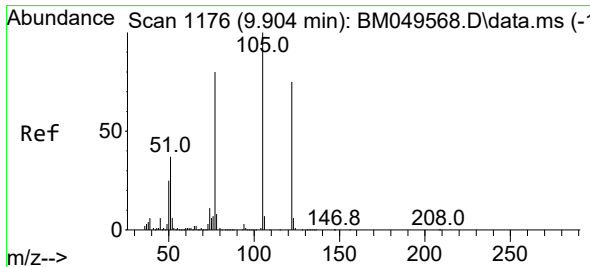
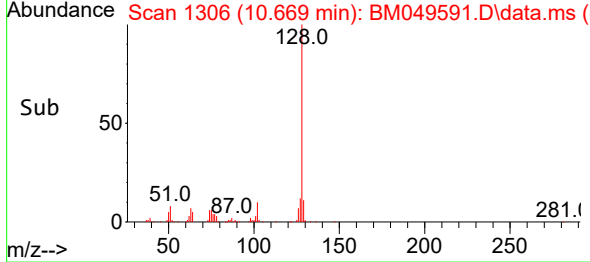
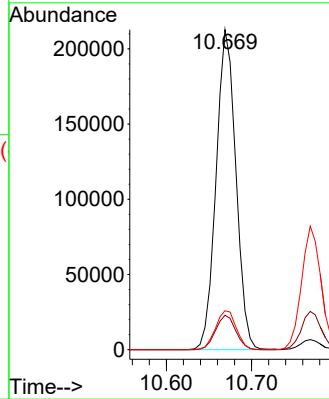
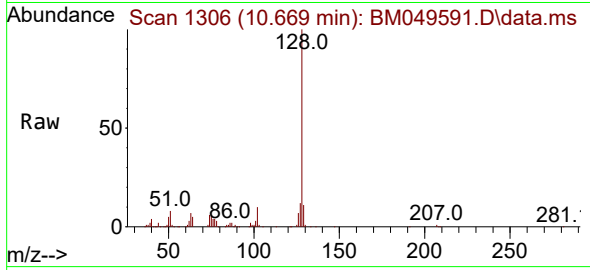




#31
Naphthalene
Concen: 9.062 ng
RT: 10.669 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

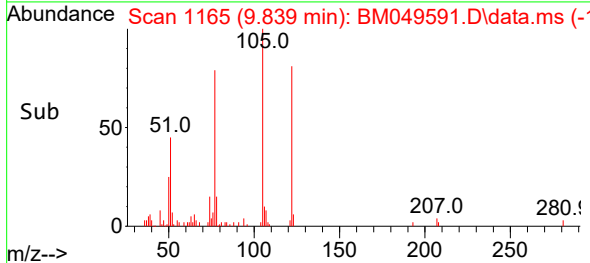
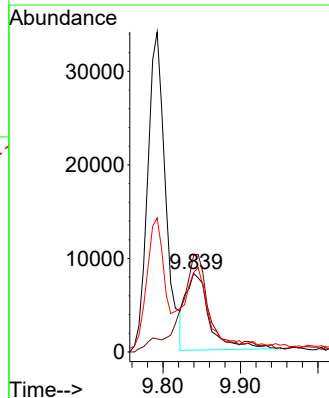
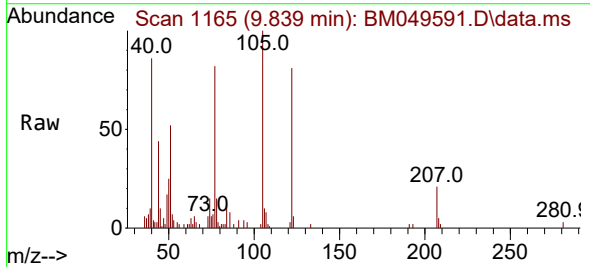
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

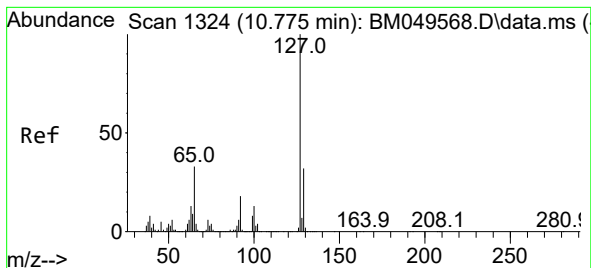
Tgt Ion:128 Resp: 343582
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.2 10.6 15.8



#32
Benzoic acid
Concen: 9.326 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.065 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:122 Resp: 17490
Ion Ratio Lower Upper
122 100
105 123.1 103.6 143.6
77 101.0 82.4 122.4

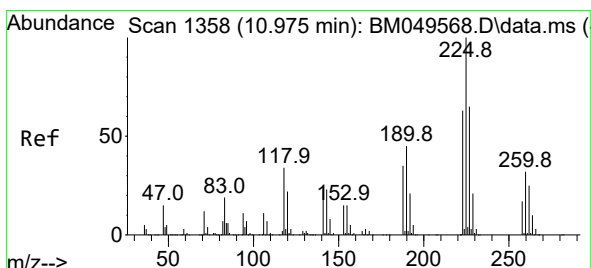
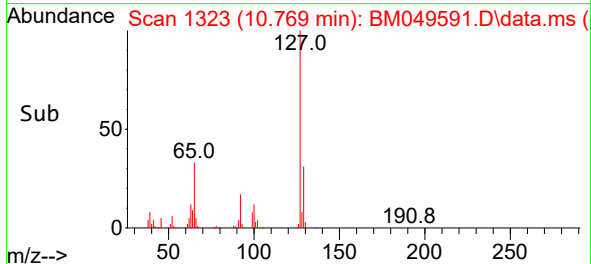
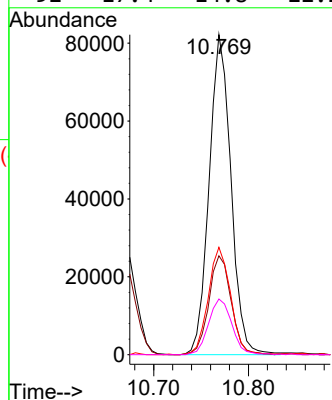
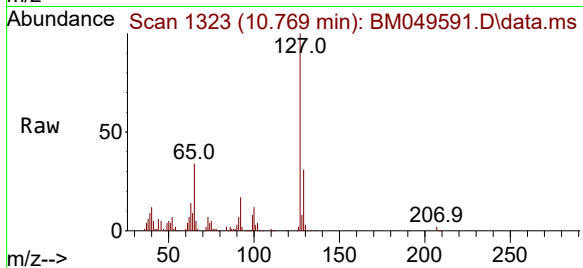




#33
4-Chloroaniline
Concen: 9.255 ng
RT: 10.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

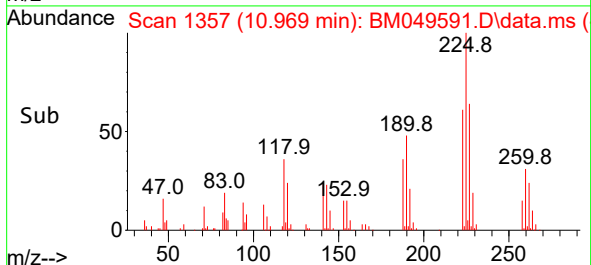
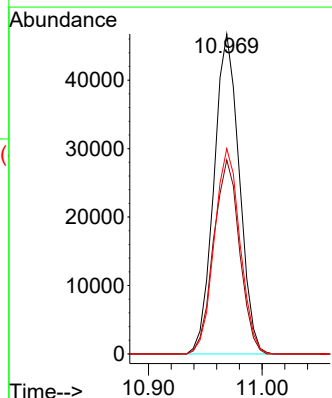
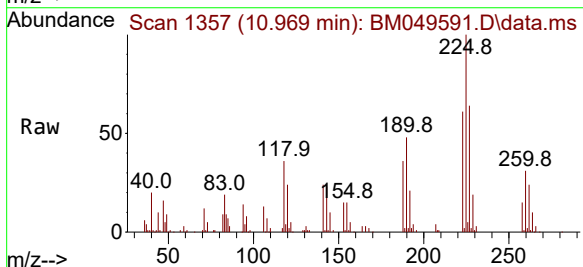
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

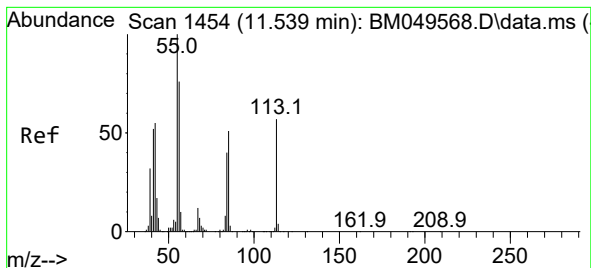
Tgt Ion:	127	Resp:	131339
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.8	38.8
65	33.5	26.4	39.6
92	17.4	14.8	22.2



#34
Hexachlorobutadiene
Concen: 9.004 ng
RT: 10.969 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:	225	Resp:	72503
Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.6	75.8
227	64.2	51.8	77.6

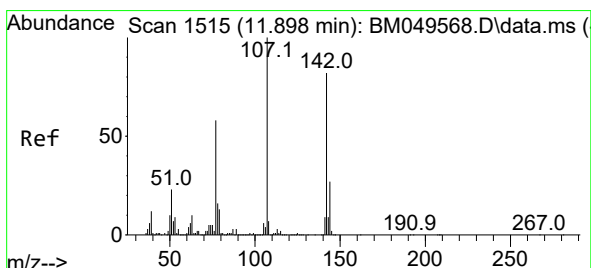
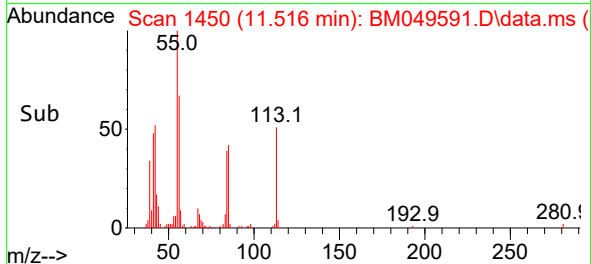
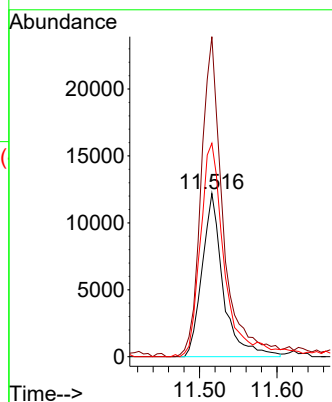
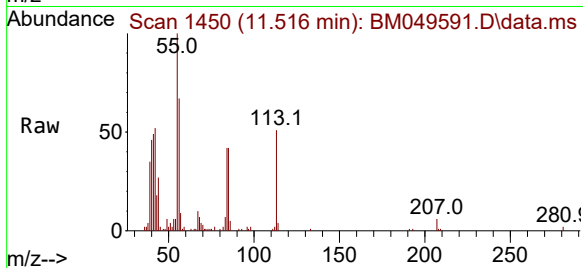




#35
Caprolactam
Concen: 6.903 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

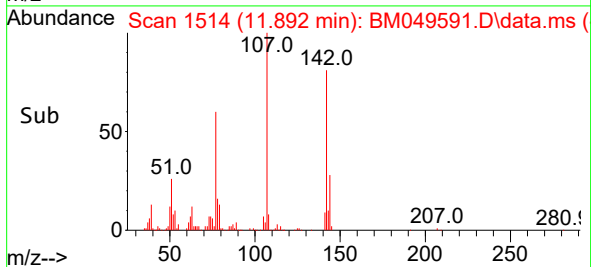
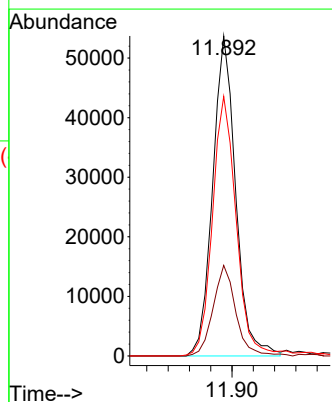
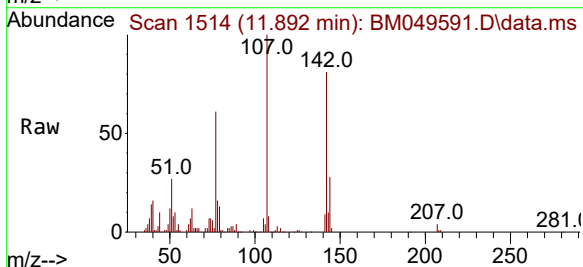
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

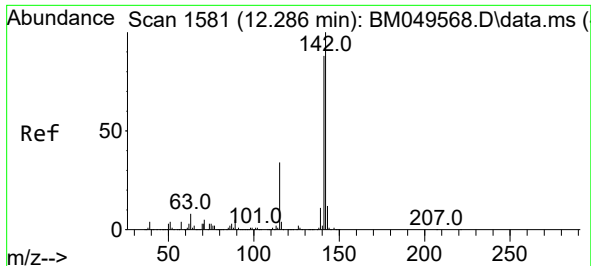
Tgt Ion:113 Resp: 23112
Ion Ratio Lower Upper
113 100
55 196.0 157.5 197.5
56 130.8 114.6 154.6



#36
4-Chloro-3-methylphenol
Concen: 7.357 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:107 Resp: 80520
Ion Ratio Lower Upper
107 100
144 28.3 21.2 31.8
142 81.1 65.4 98.2

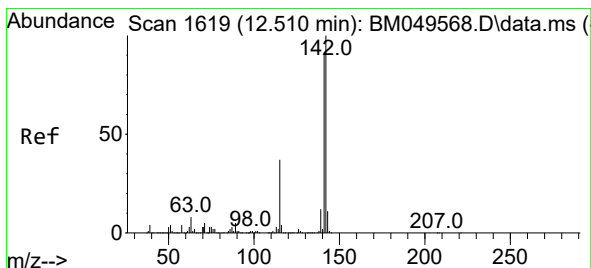
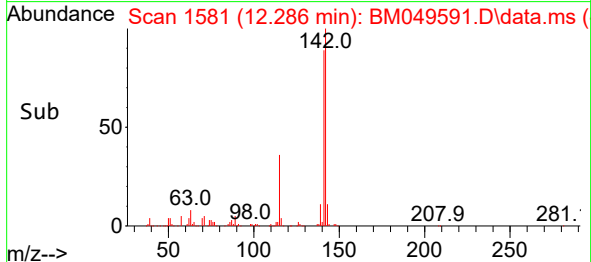
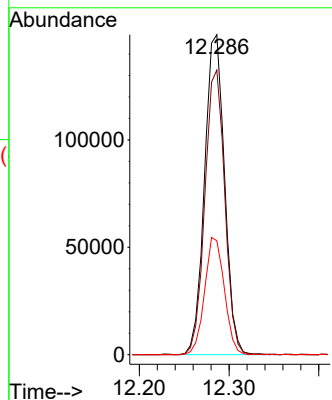
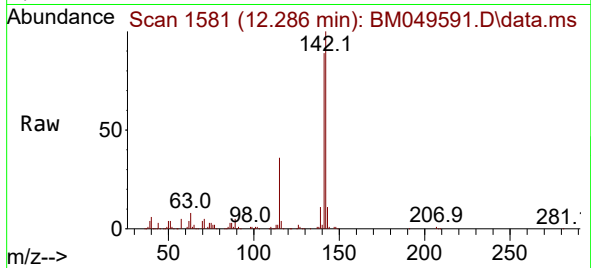




#37
2-Methylnaphthalene
Concen: 8.660 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

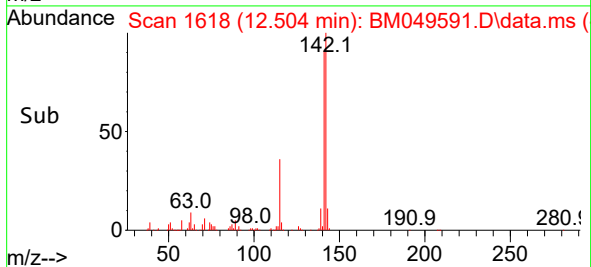
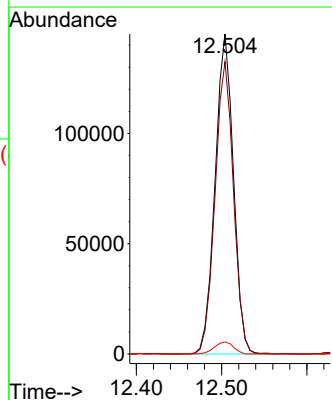
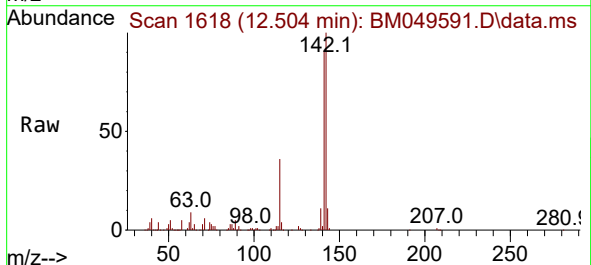
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

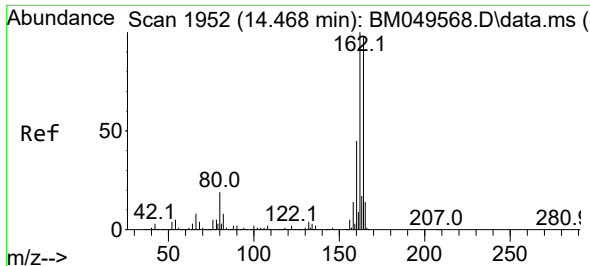
Tgt Ion:142 Resp: 231163
Ion Ratio Lower Upper
142 100
141 89.0 70.2 105.4
115 35.6 27.5 41.3



#38
1-Methylnaphthalene
Concen: 8.340 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:142 Resp: 216598
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 3.7 3.1 4.7

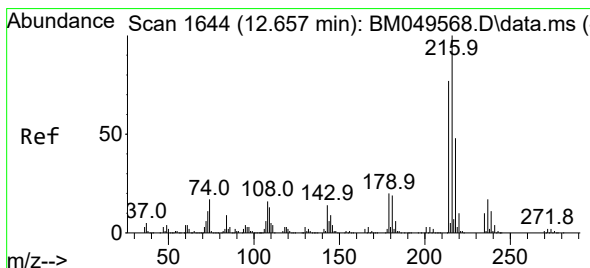
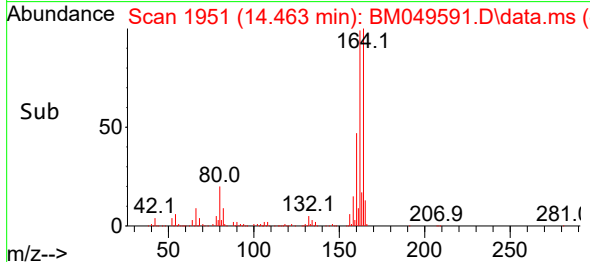
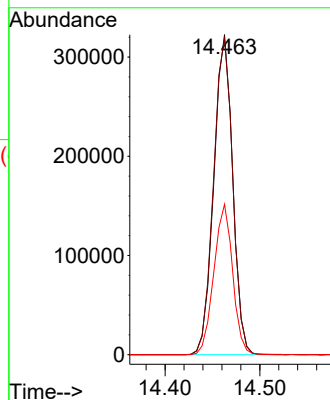
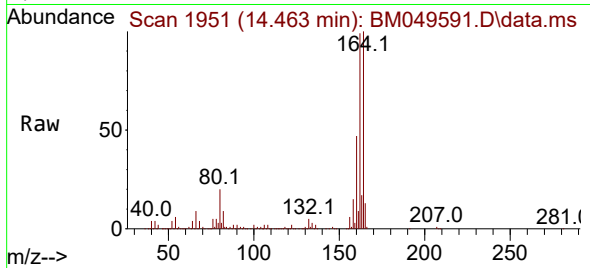




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

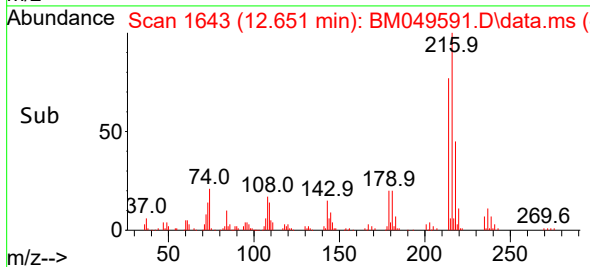
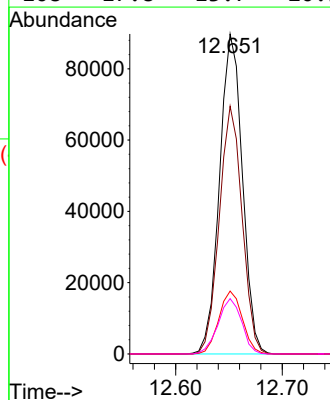
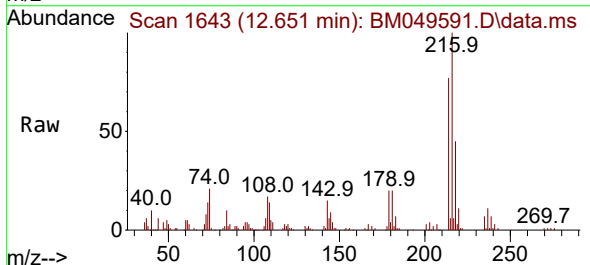
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

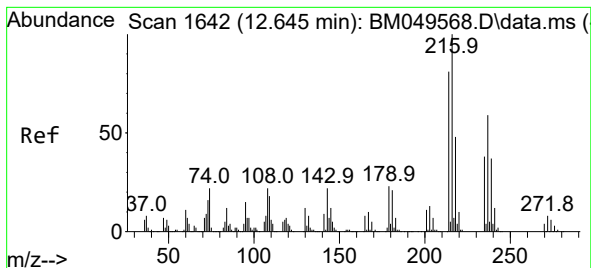
Tgt Ion:164 Resp: 445524
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.0
160 47.0 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.121 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:216 Resp: 133600
Ion Ratio Lower Upper
216 100
214 77.2 62.4 93.6
179 20.2 16.3 24.5
108 17.8 13.7 20.5





#41

Hexachlorocyclopentadiene

Concen: 5.835 ng

RT: 12.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

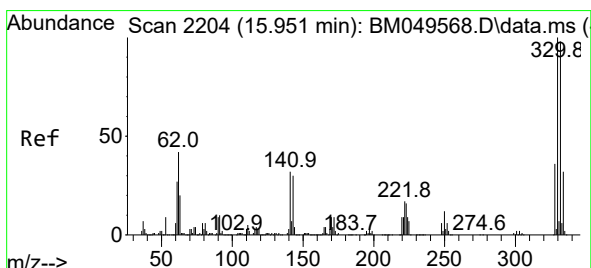
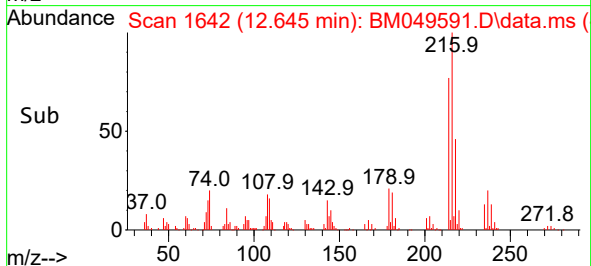
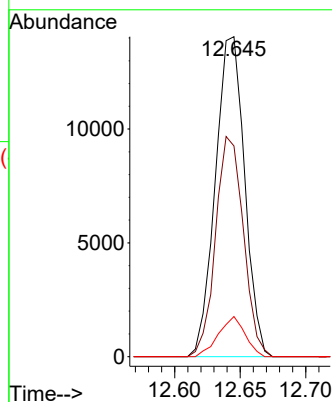
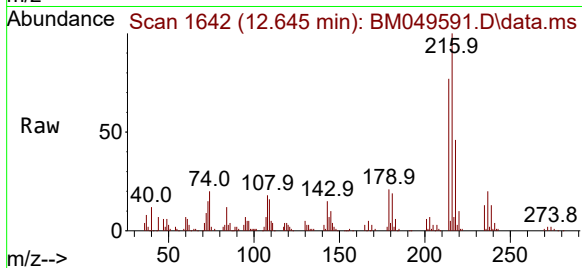
Tgt Ion:237 Resp: 21818

Ion Ratio Lower Upper

237 100

235 65.9 43.8 83.8

272 12.5 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 159.945 ng

RT: 15.945 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

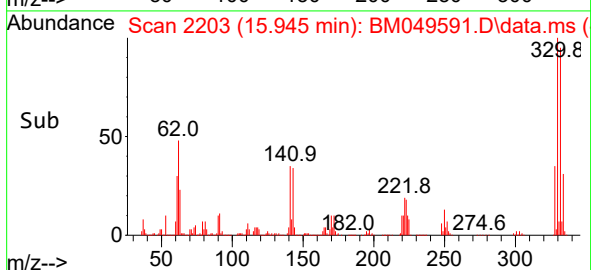
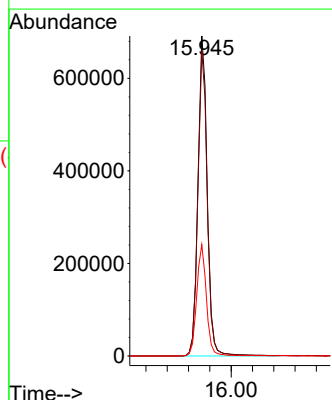
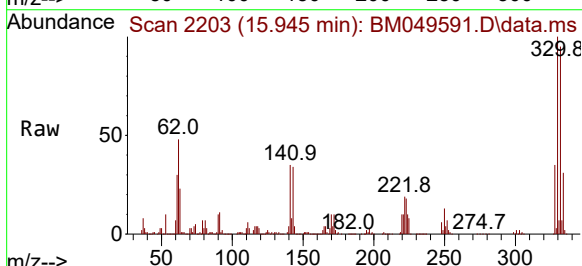
Tgt Ion:330 Resp: 844367

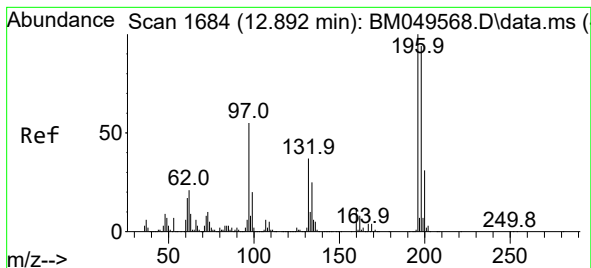
Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 36.1 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 6.717 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

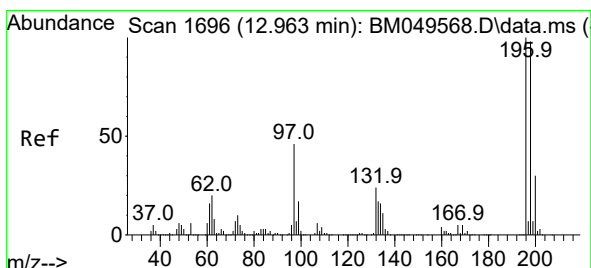
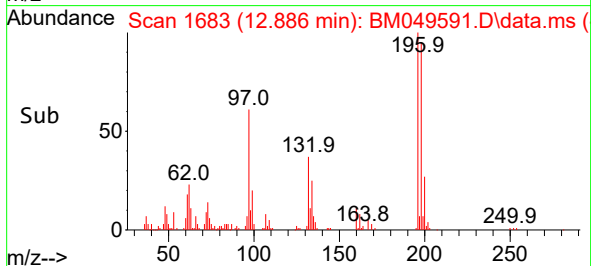
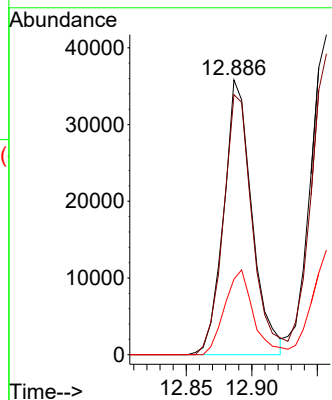
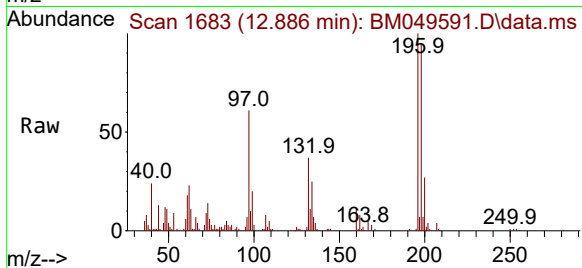
Tgt Ion:196 Resp: 53693

Ion Ratio Lower Upper

196 100

198 94.6 75.4 113.0

200 27.5 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 7.907 ng

RT: 12.957 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:196 Resp: 69455

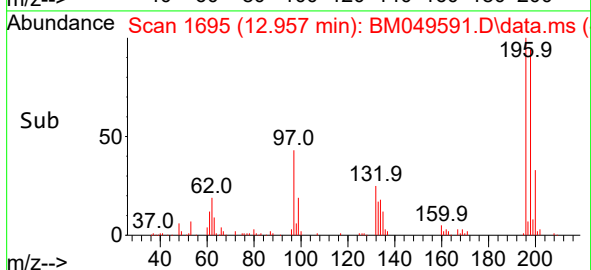
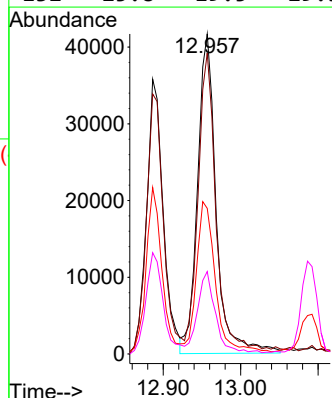
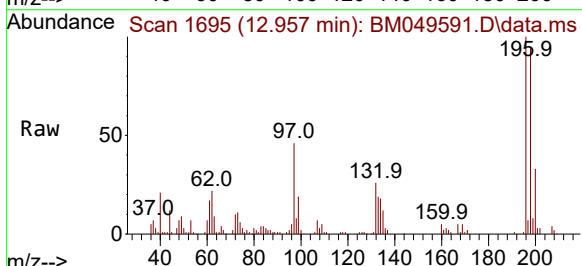
Ion Ratio Lower Upper

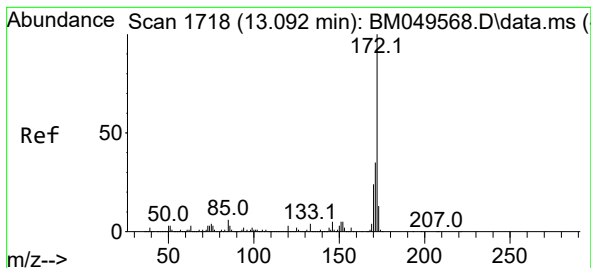
196 100

198 94.1 78.4 117.6

97 45.5 37.4 56.0

132 25.8 19.5 29.3





#45

2-Fluorobiphenyl

Concen: 113.897 ng

RT: 13.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

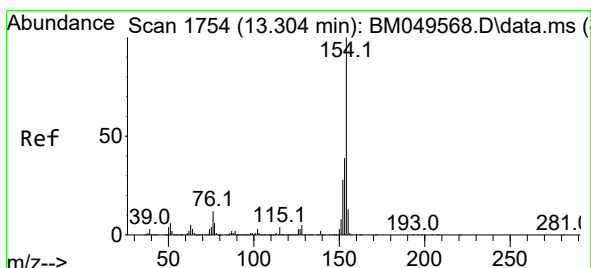
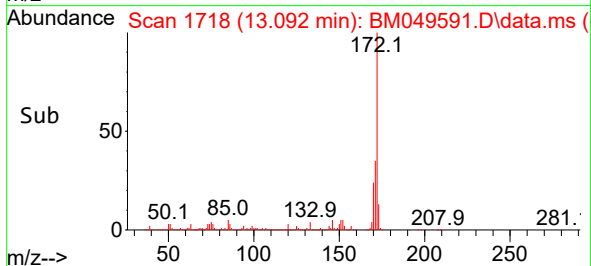
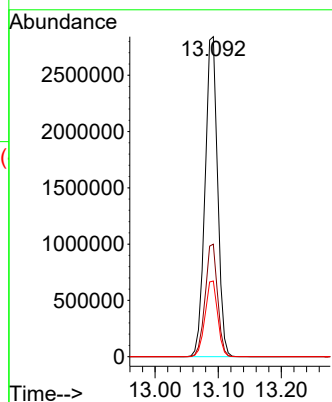
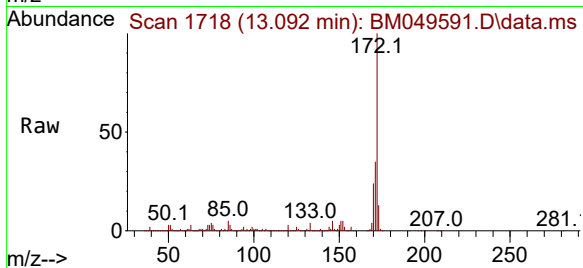
Tgt Ion:172 Resp: 3917090

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 9.324 ng

RT: 13.298 min Scan# 1753

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

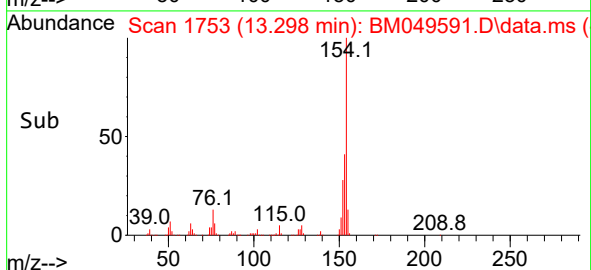
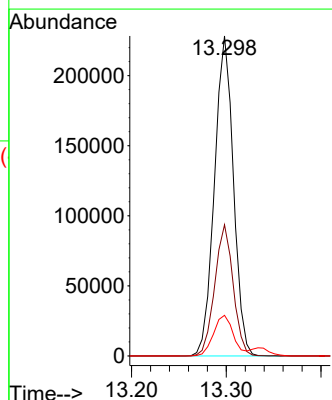
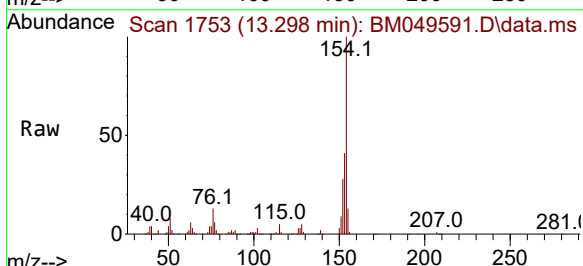
Tgt Ion:154 Resp: 316910

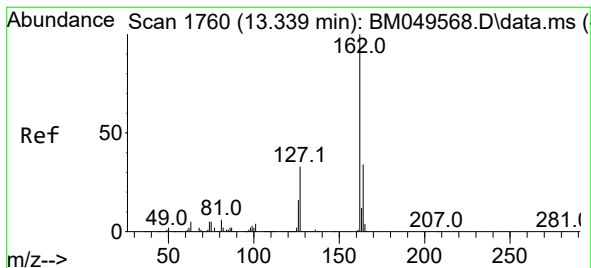
Ion Ratio Lower Upper

154 100

153 41.0 19.5 59.5

76 12.7 0.0 32.1





#47

2-Chloronaphthalene

Concen: 9.286 ng

RT: 13.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

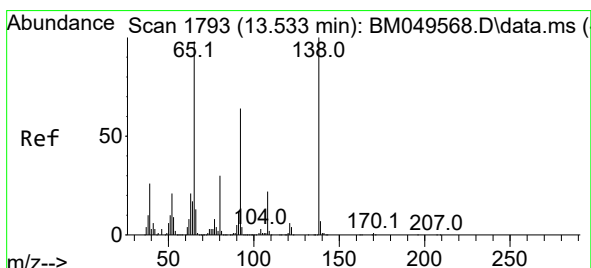
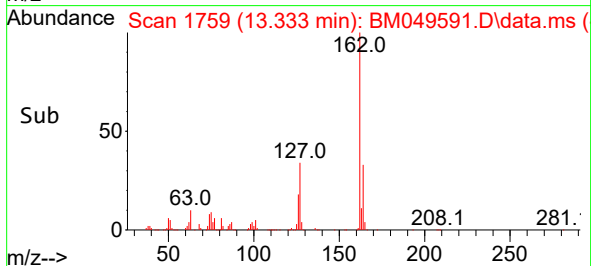
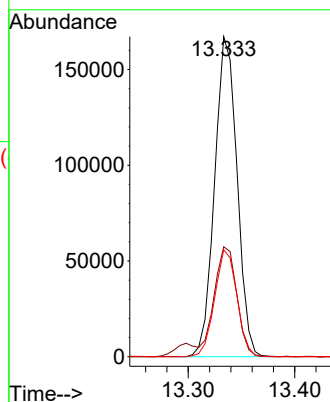
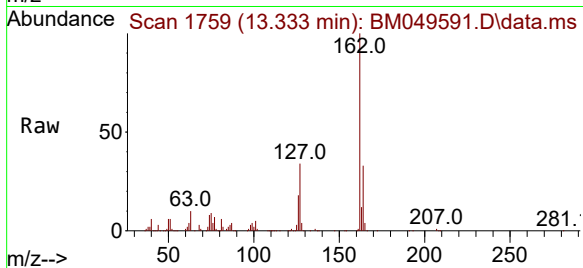
Tgt Ion:162 Resp: 244191

Ion Ratio Lower Upper

162 100

127 34.4 27.9 41.9

164 33.4 26.8 40.2



#48

2-Nitroaniline

Concen: 10.377 ng

RT: 13.527 min Scan# 1792

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

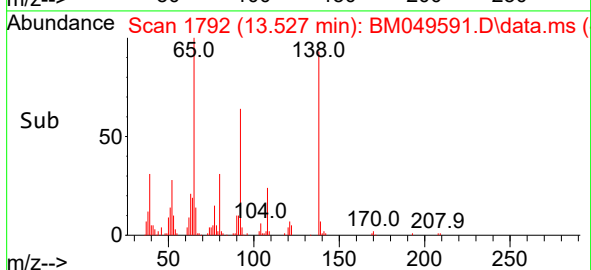
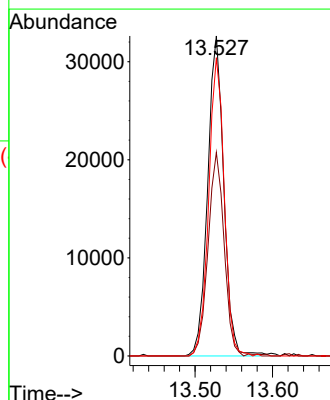
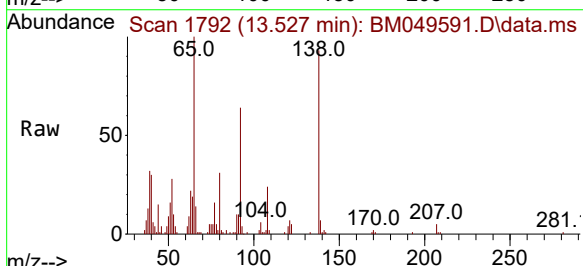
Tgt Ion: 65 Resp: 47408

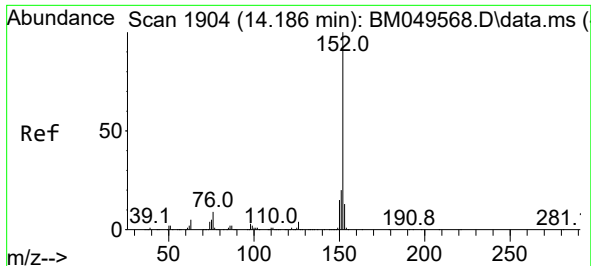
Ion Ratio Lower Upper

65 100

92 63.6 52.0 78.0

138 93.2 81.6 122.4

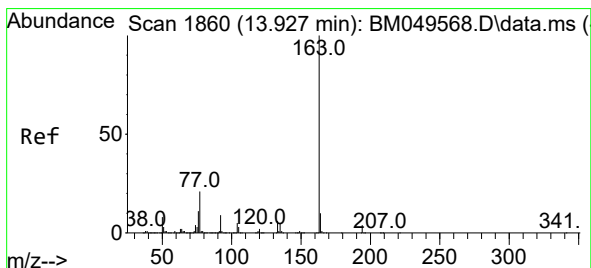
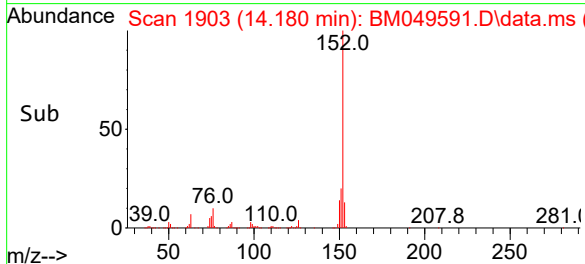
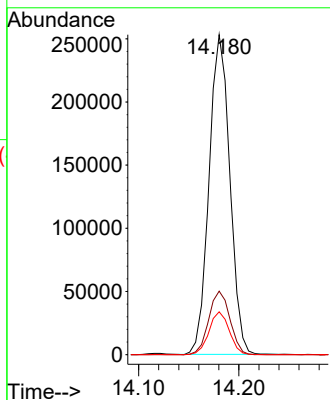
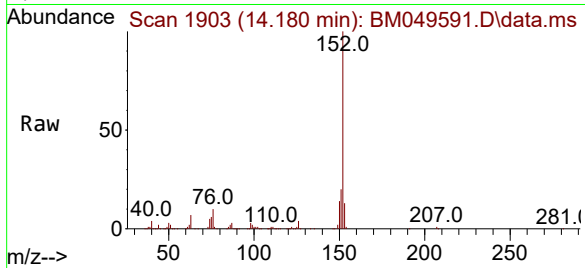




#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

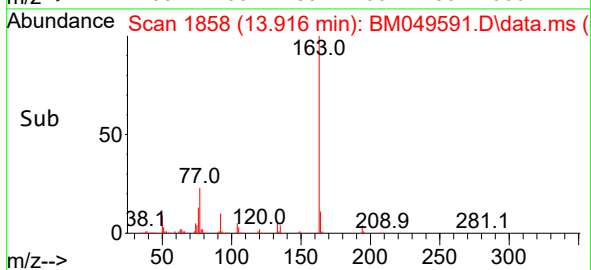
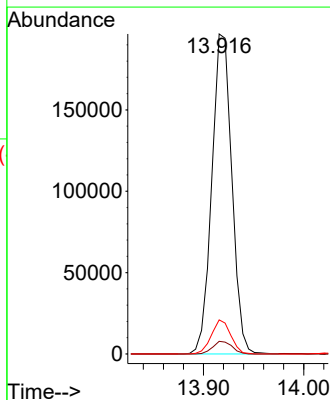
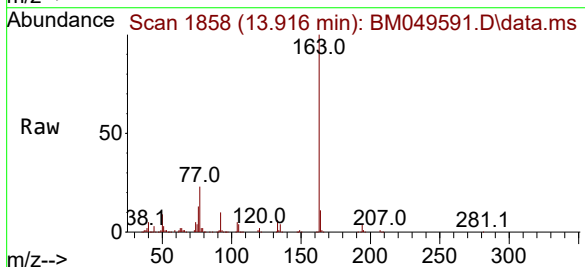
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

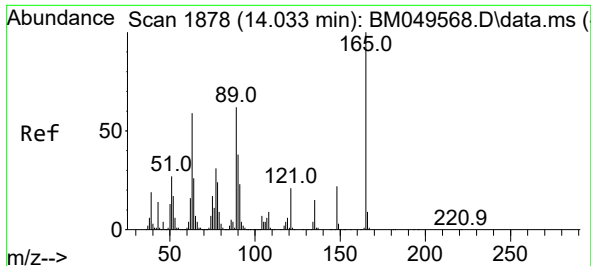
Tgt Ion:152 Resp: 364682
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.4 10.6 16.0



#50
Dimethylphthalate
Concen: 8.537 ng
RT: 13.916 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:163 Resp: 273155
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.6 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 8.412 ng

RT: 14.022 min Scan# 1876

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

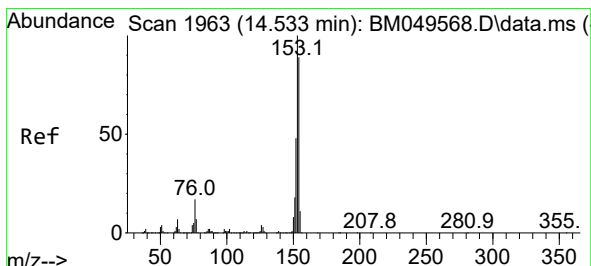
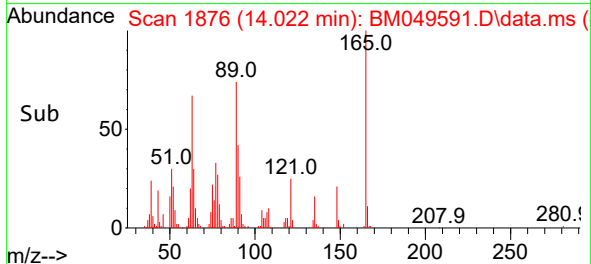
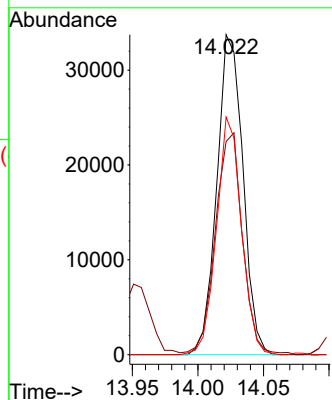
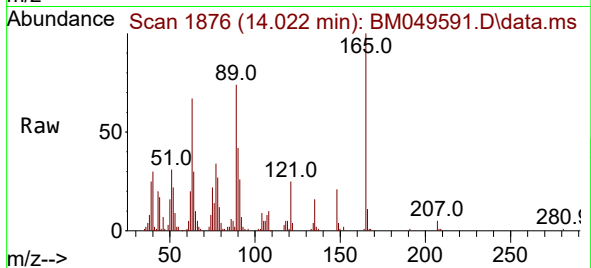
Tgt Ion:165 Resp: 46573

Ion Ratio Lower Upper

165 100

63 66.6 47.8 71.6

89 74.3 49.2 73.8#



#52

Acenaphthene

Concen: 8.489 ng

RT: 14.527 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

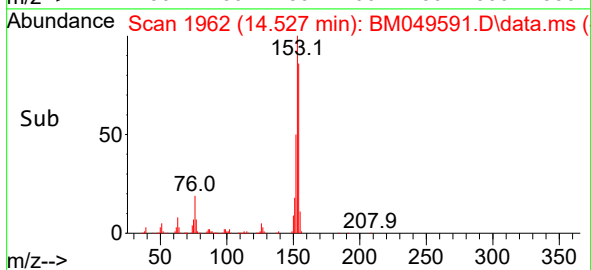
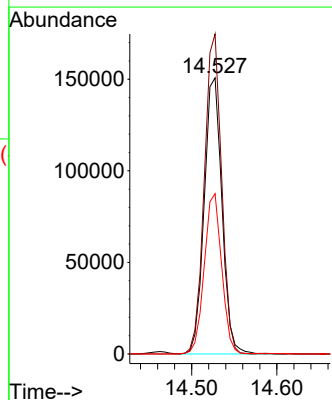
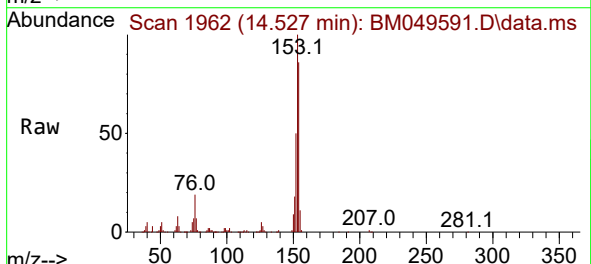
Tgt Ion:154 Resp: 218480

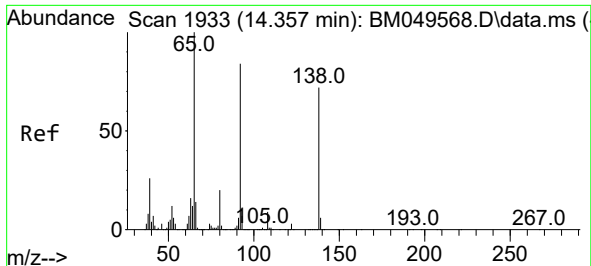
Ion Ratio Lower Upper

154 100

153 115.9 90.0 135.0

152 58.1 43.0 64.4

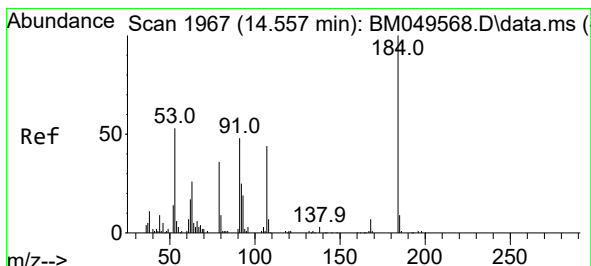
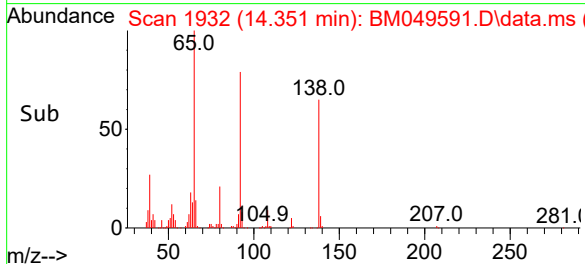
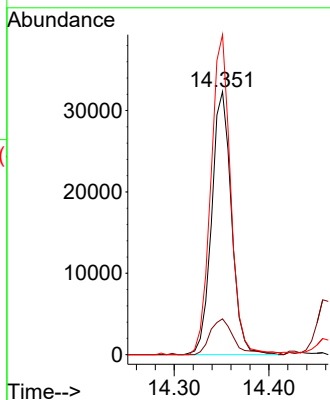
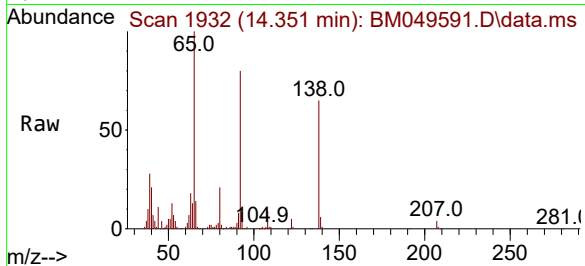




#53
3-Nitroaniline
Concen: 8.330 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

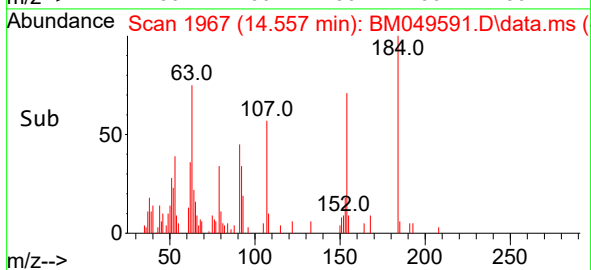
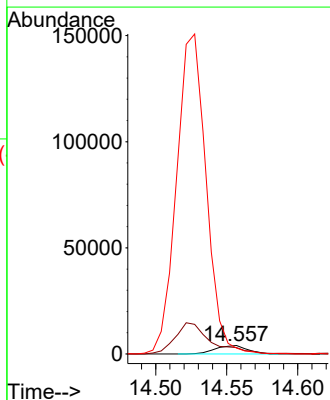
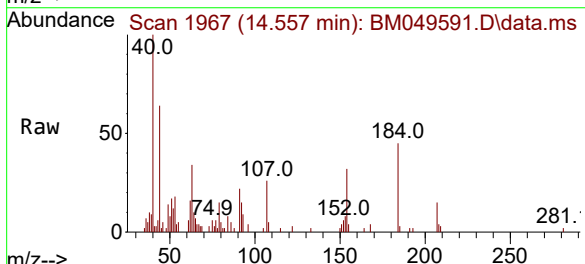
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

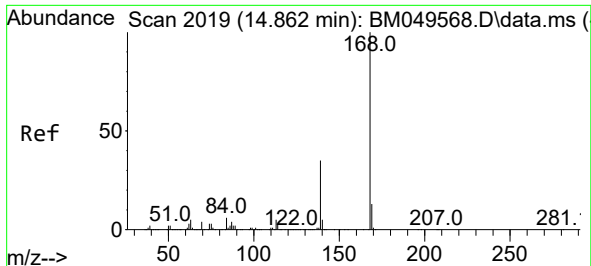
Tgt Ion:138 Resp: 46955
Ion Ratio Lower Upper
138 100
108 13.6 10.3 15.5
92 121.7 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 9.440 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:184 Resp: 6224
Ion Ratio Lower Upper
184 100
63 74.8 60.2 90.4
154 70.6 78.2 117.4#

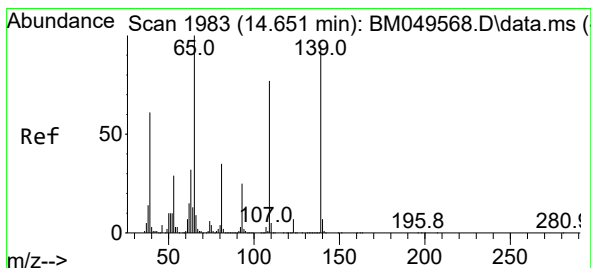
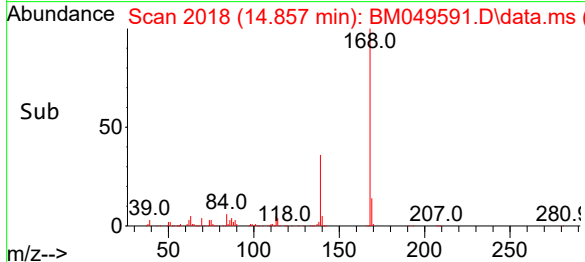
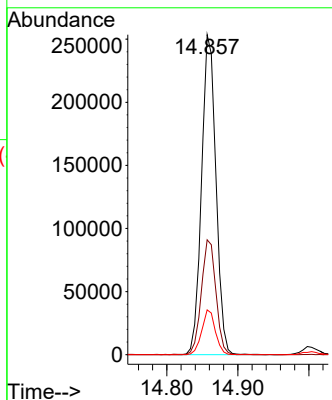
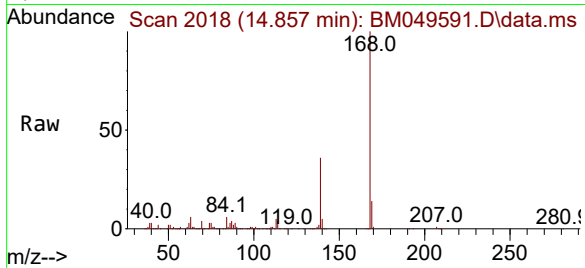




#55
Dibenzofuran
Concen: 8.732 ng
RT: 14.857 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

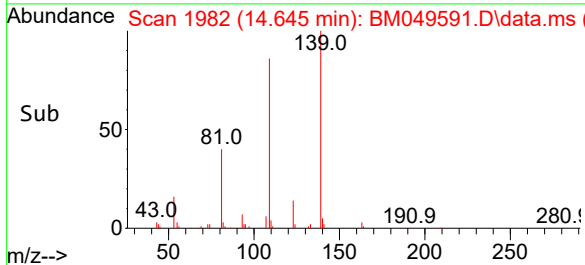
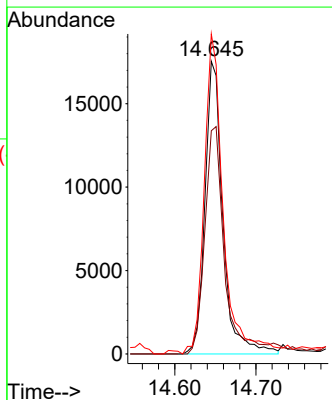
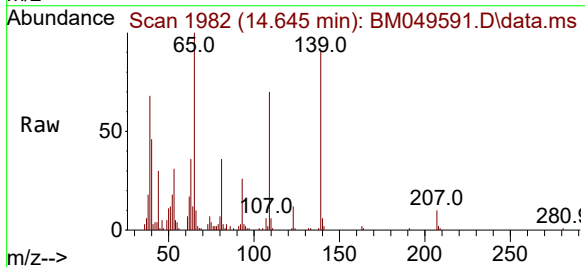
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

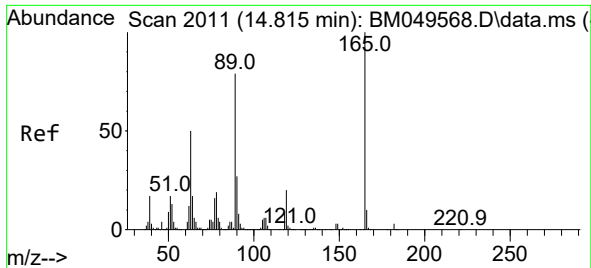
Tgt Ion:168 Resp: 357842
Ion Ratio Lower Upper
168 100
139 35.9 28.4 42.6
169 14.0 10.8 16.2



#56
4-Nitrophenol
Concen: 5.648 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:139 Resp: 26836
Ion Ratio Lower Upper
139 100
109 76.2 61.4 101.4
65 109.3 85.6 125.6

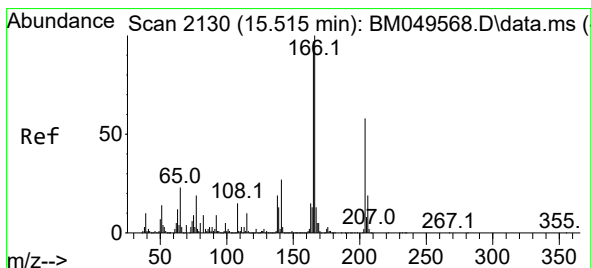
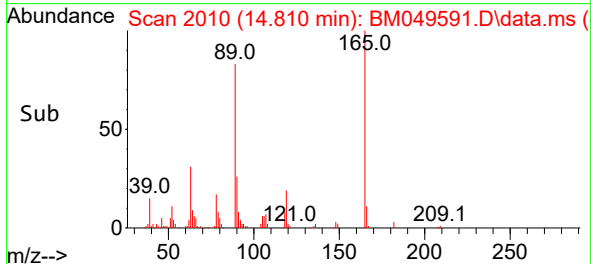
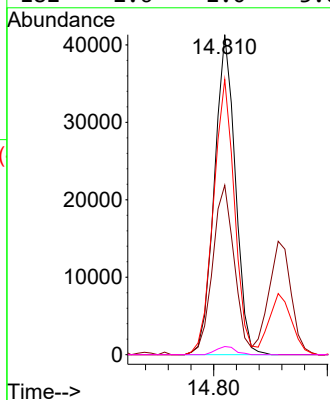
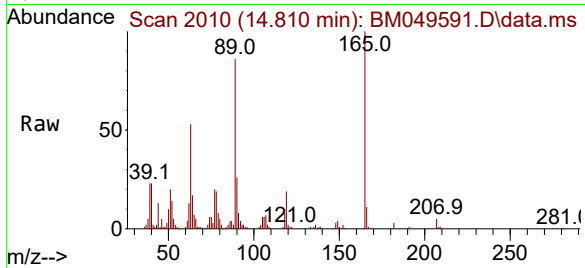




#57
2,4-Dinitrotoluene
Concen: 10.230 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

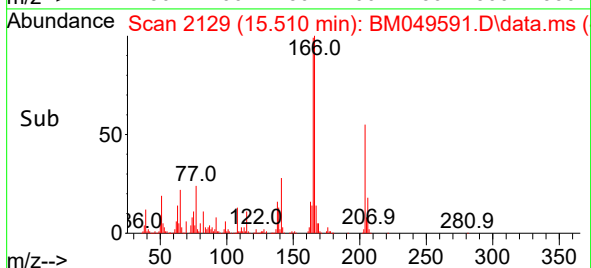
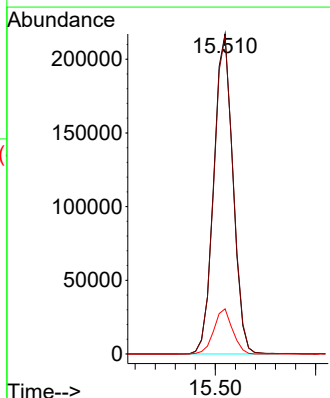
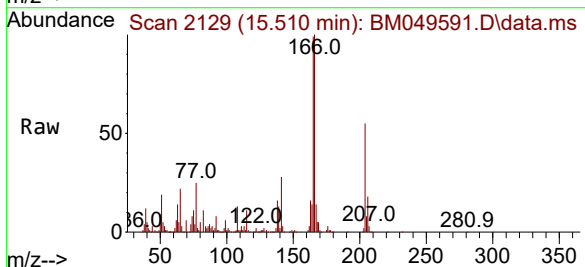
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

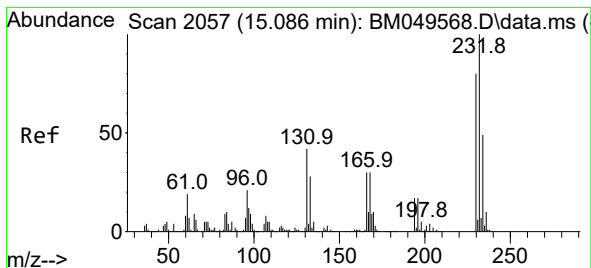
Tgt Ion:165 Resp: 52921
Ion Ratio Lower Upper
165 100
63 53.0 39.8 59.6
89 86.0 63.5 95.3
182 2.6 2.0 3.0



#58
Fluorene
Concen: 8.201 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:166 Resp: 287522
Ion Ratio Lower Upper
166 100
165 99.4 77.7 116.5
167 14.1 10.7 16.1

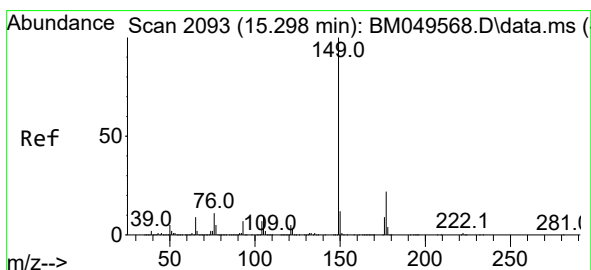
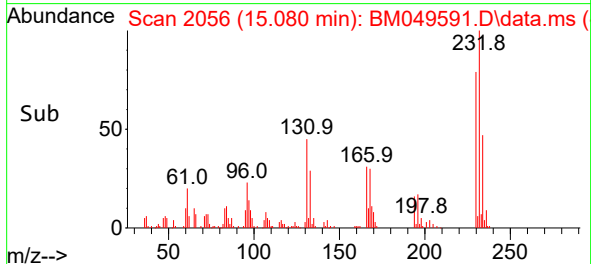
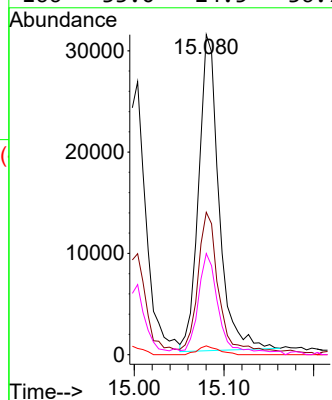
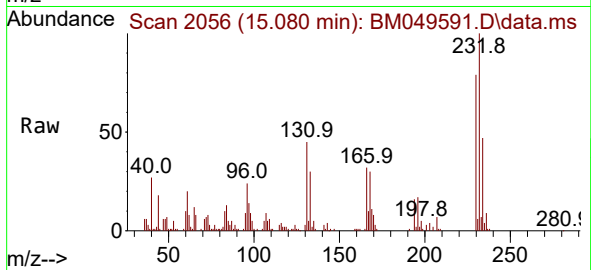




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.598 ng
RT: 15.080 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

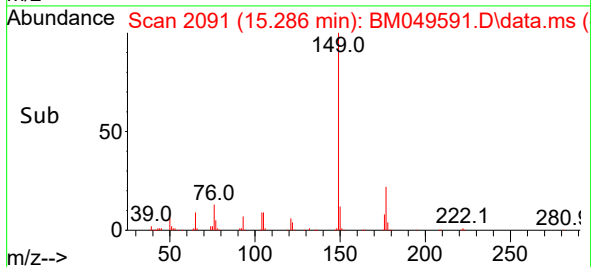
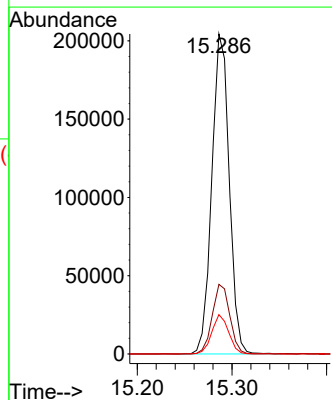
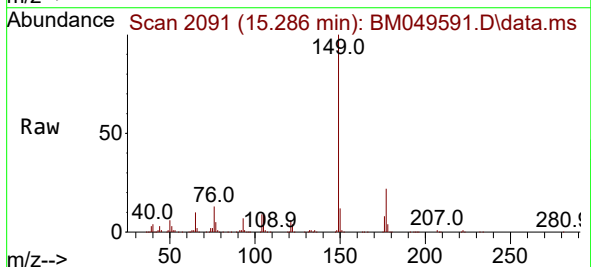
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

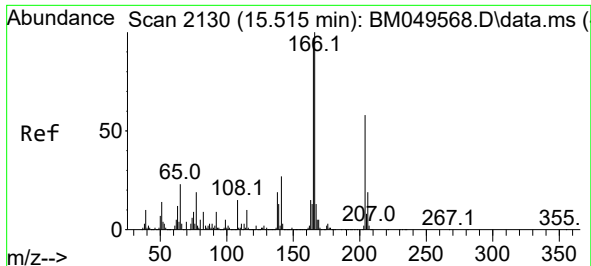
Tgt Ion:232	Resp:	48967
Ion Ratio	Lower	Upper
232	100	
131	44.4	34.5 51.7
130	2.9	1.9 2.9
166	33.0	24.5 36.7



#60
Diethylphthalate
Concen: 8.115 ng
RT: 15.286 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:149	Resp:	260949
Ion Ratio	Lower	Upper
149	100	
177	21.8	18.0 27.0
150	12.3	9.7 14.5

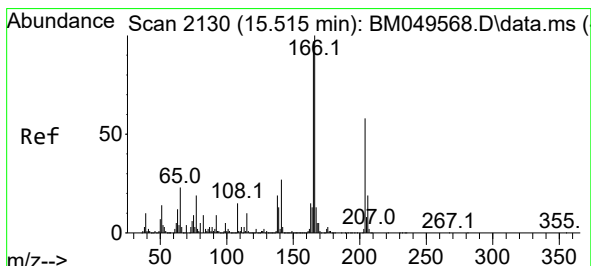
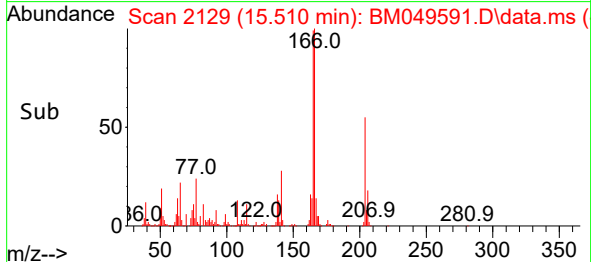
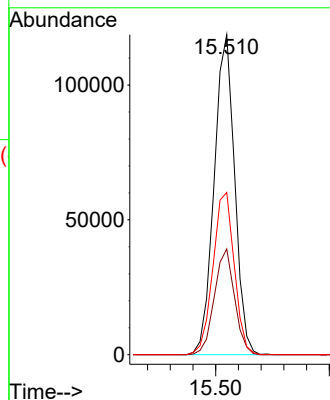
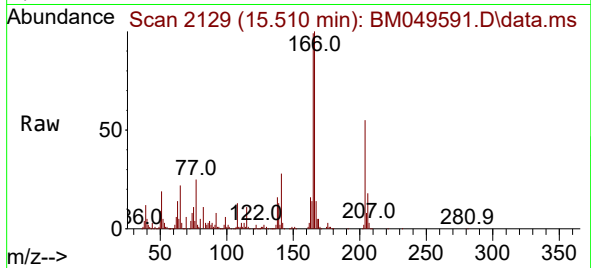




#61
4-Chlorophenyl-phenylether
Concen: 7.994 ng
RT: 15.510 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

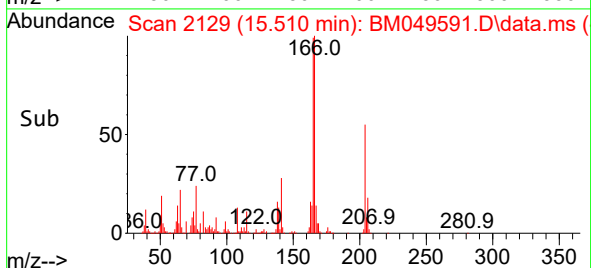
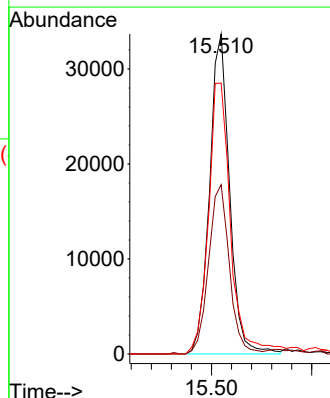
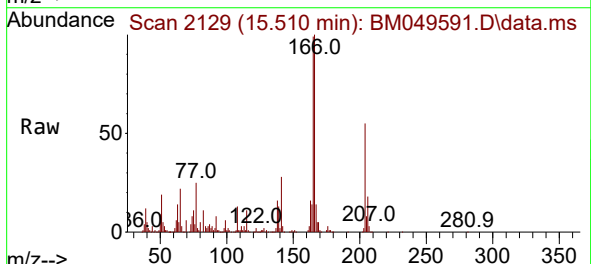
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

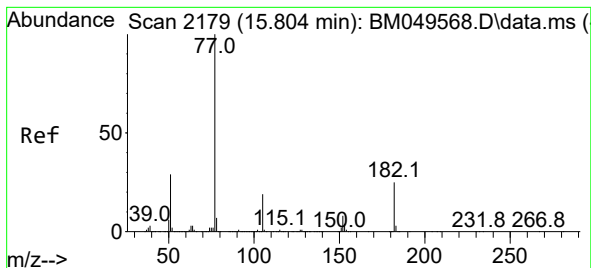
Tgt Ion:204 Resp: 149171
Ion Ratio Lower Upper
204 100
206 33.0 26.0 39.0
141 50.7 37.1 55.7



#62
4-Nitroaniline
Concen: 10.069 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:138 Resp: 46842
Ion Ratio Lower Upper
138 100
92 52.9 29.3 69.3
108 84.6 60.1 100.1





#63

Azobenzene

Concen: 9.146 ng

RT: 15.798 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BM049591.D

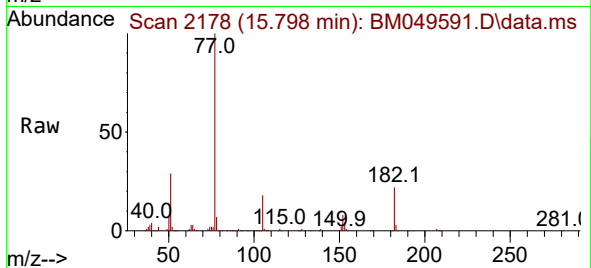
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 306954

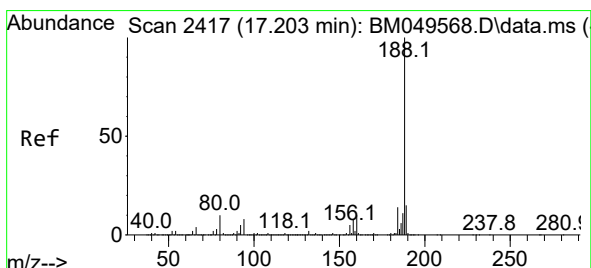
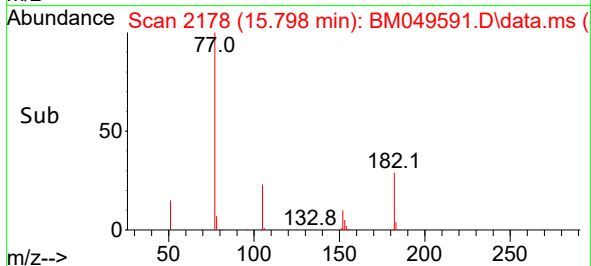
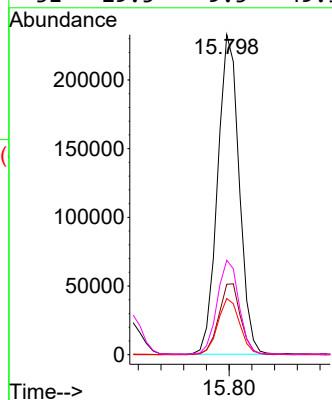
Ion Ratio Lower Upper

77 100

182 22.0 4.7 44.7

105 17.6 0.0 39.3

51 29.5 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: BM049591.D

Acq: 06 Feb 2025 22:55

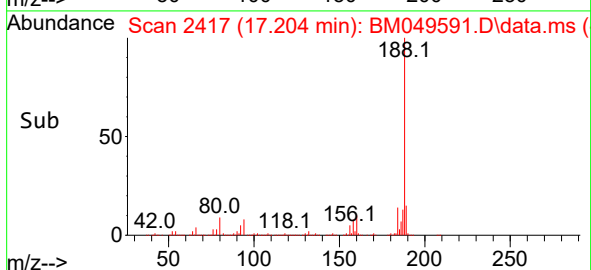
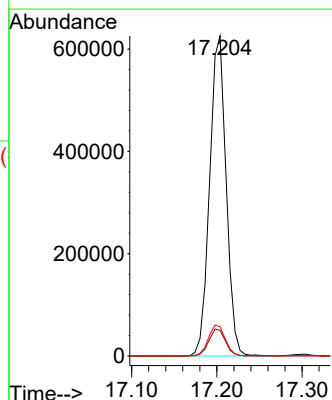
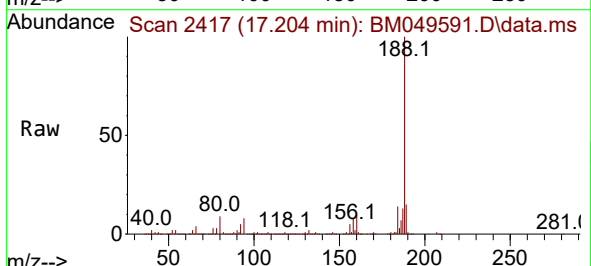
Tgt Ion: 188 Resp: 841588

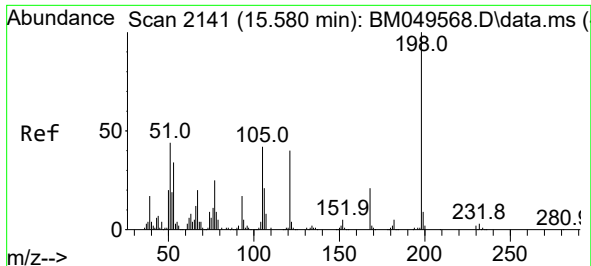
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 9.2 7.7 11.5

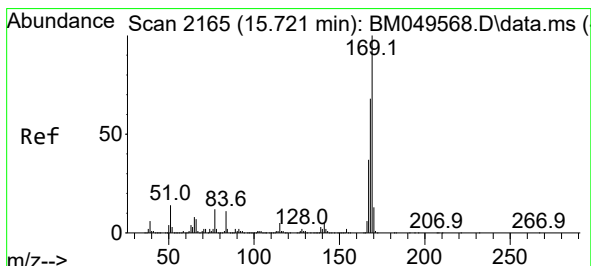
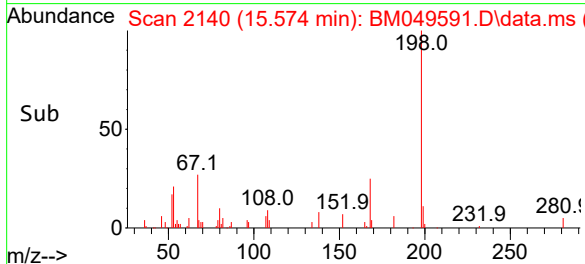
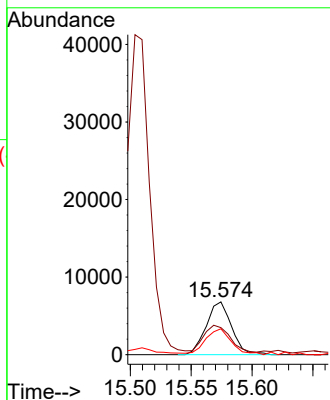
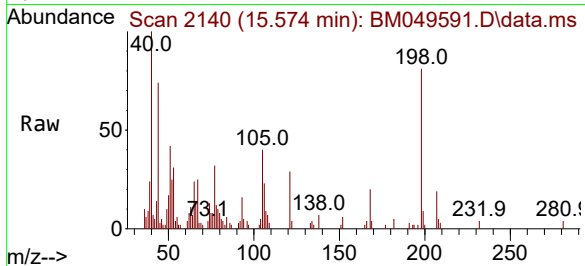




#65
4,6-Dinitro-2-methylphenol
Concen: 9.462 ng
RT: 15.574 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

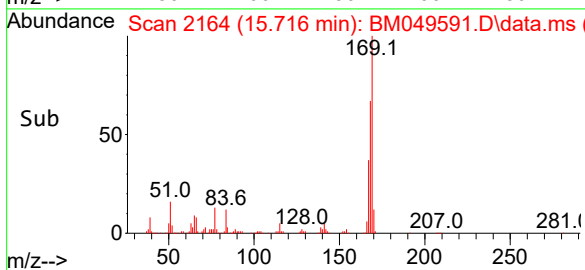
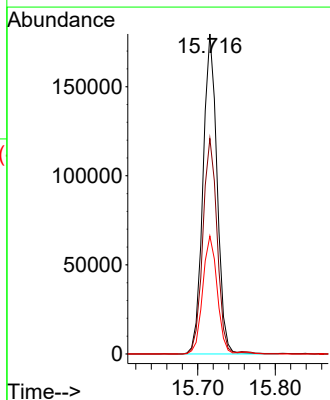
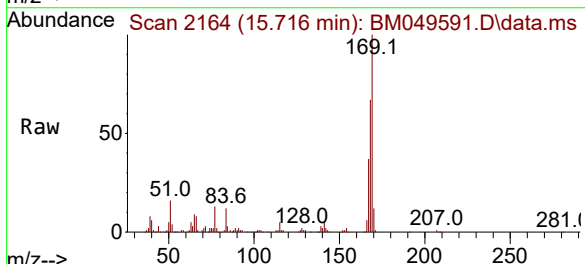
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

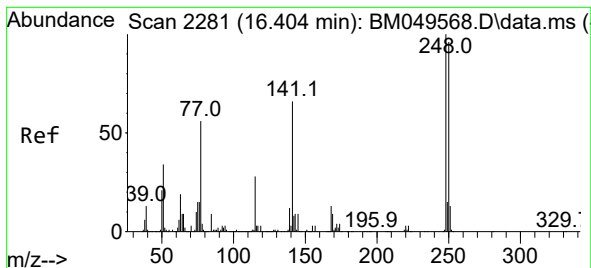
Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.2	26.9	66.9
105	49.3	22.8	62.8



#66
n-Nitrosodiphenylamine
Concen: 8.542 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.4	54.2	81.4
167	36.9	29.5	44.3

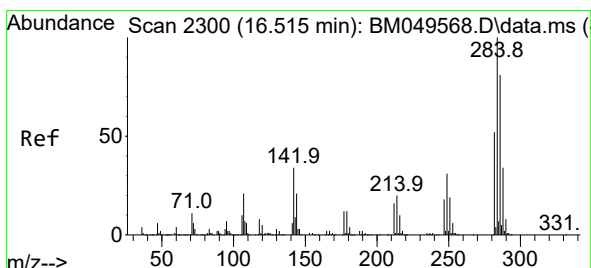
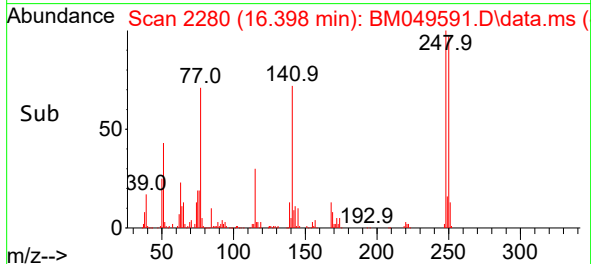
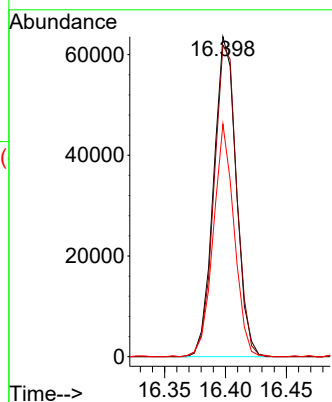
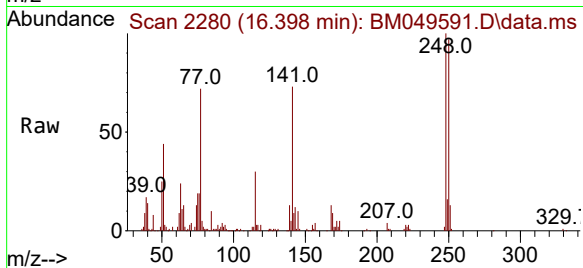




#67
4-Bromophenyl-phenylether
Concen: 8.382 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

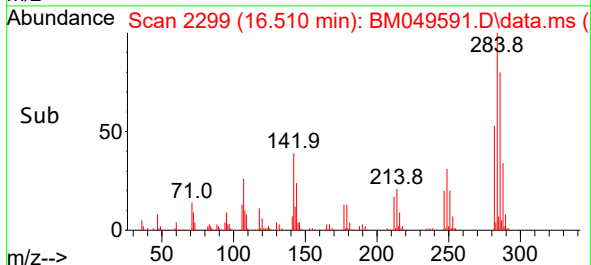
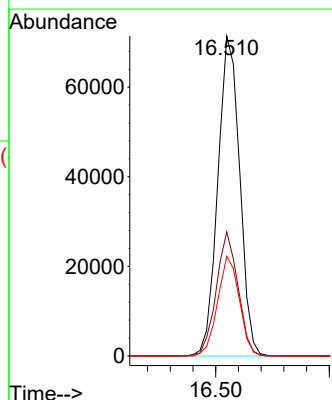
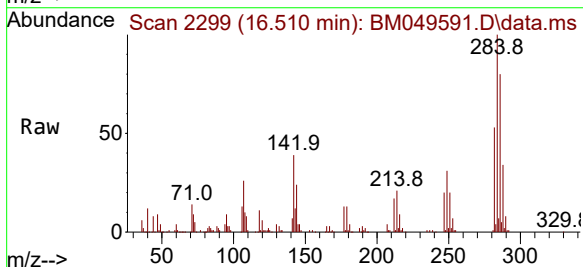
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

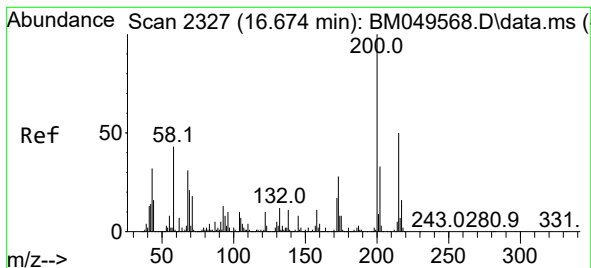
Tgt Ion:248 Resp: 81954
Ion Ratio Lower Upper
248 100
250 97.4 77.0 115.4
141 72.7 53.0 79.4



#68
Hexachlorobenzene
Concen: 8.507 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:284 Resp: 95467
Ion Ratio Lower Upper
284 100
142 38.8 27.1 40.7
249 31.2 24.6 36.8





#69

Atrazine

Concen: 8.342 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

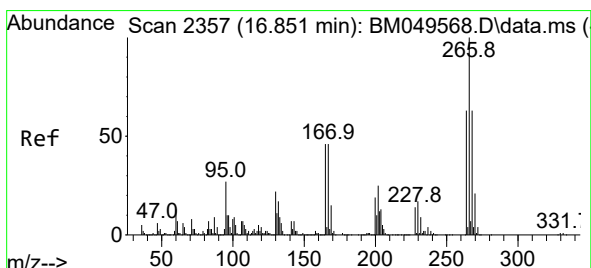
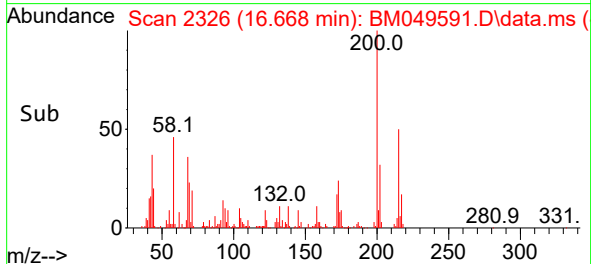
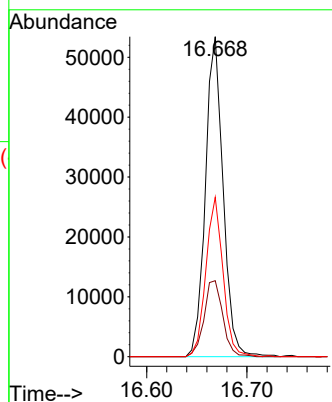
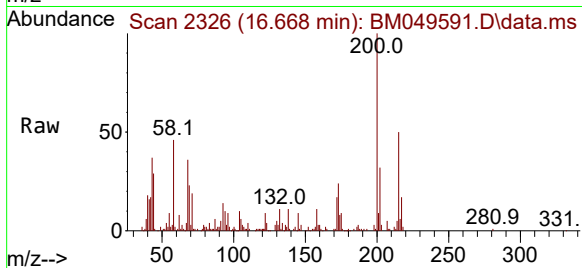
Tgt Ion:200 Resp: 65818

Ion Ratio Lower Upper

200 100

173 23.7 7.6 47.6

215 49.8 30.2 70.2



#70

Pentachlorophenol

Concen: 11.521 ng

RT: 16.851 min Scan# 2357

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

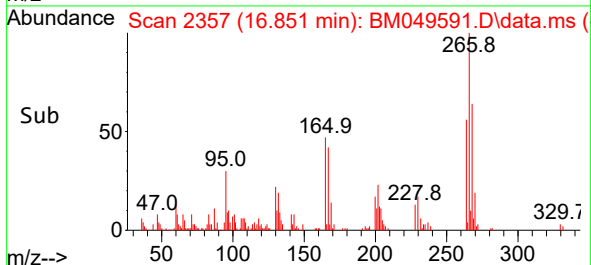
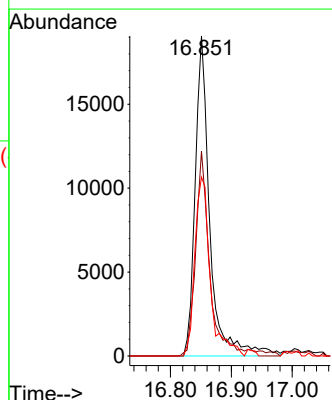
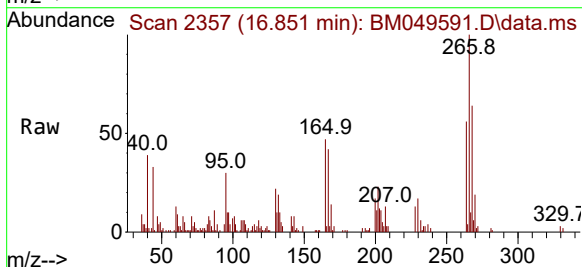
Tgt Ion:266 Resp: 31916

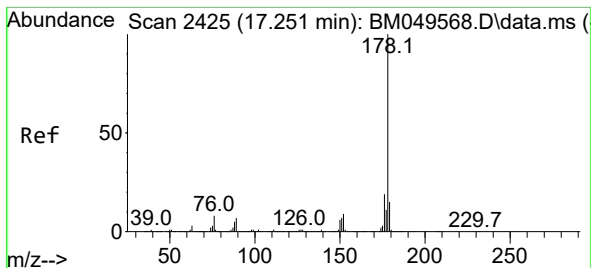
Ion Ratio Lower Upper

266 100

268 64.0 50.8 76.2

264 59.8 50.0 75.0





#71

Phenanthrene

Concen: 8.736 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

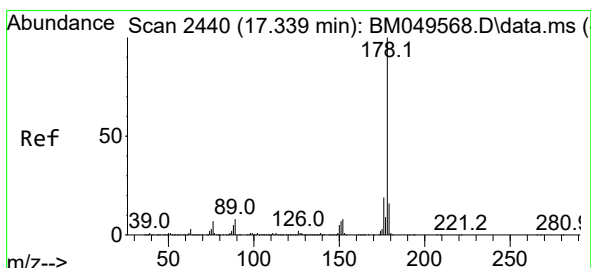
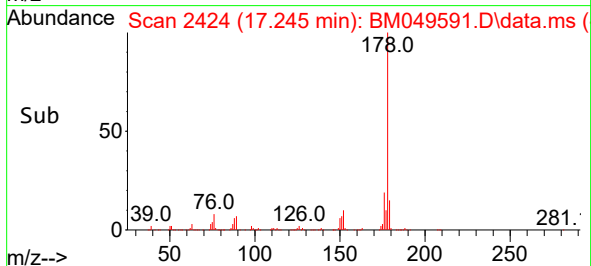
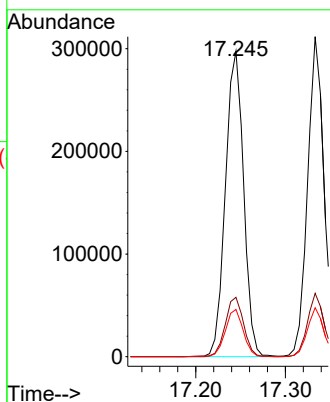
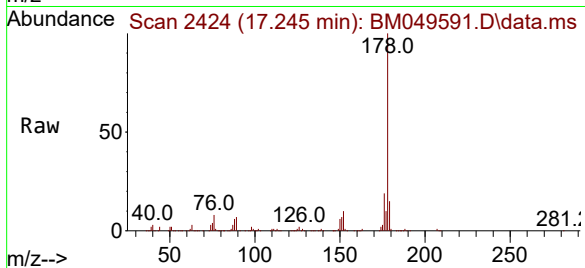
Tgt Ion:178 Resp: 418835

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.5 12.2 18.2



#72

Anthracene

Concen: 8.399 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

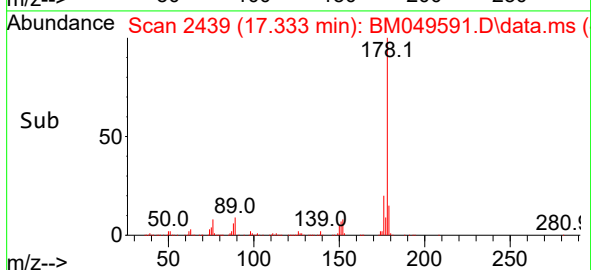
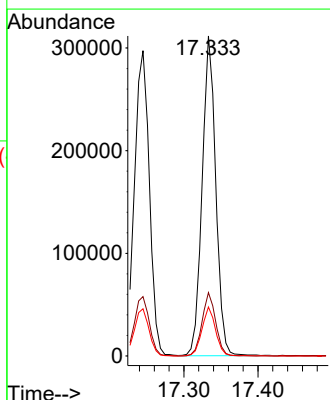
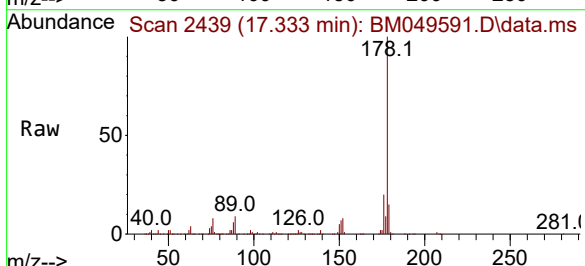
Tgt Ion:178 Resp: 398742

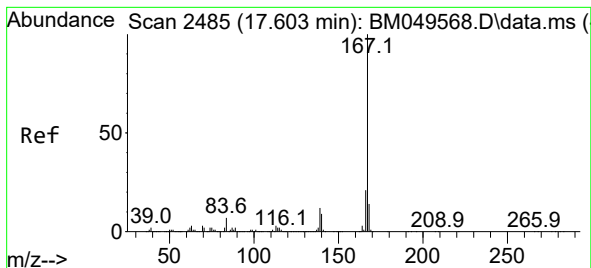
Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

179 15.3 12.4 18.6





#73

Carbazole

Concen: 8.636 ng

RT: 17.598 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BM049591.D

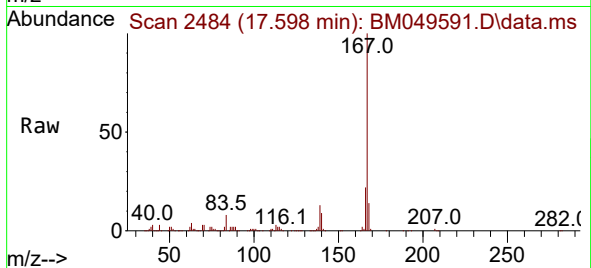
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



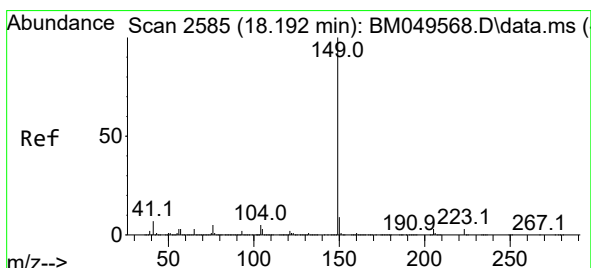
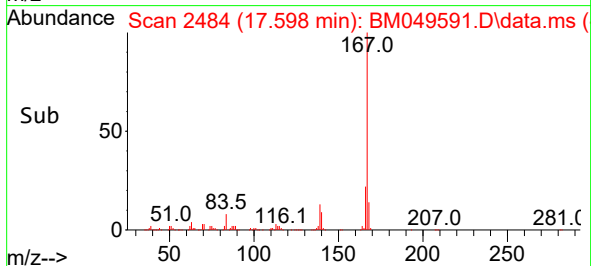
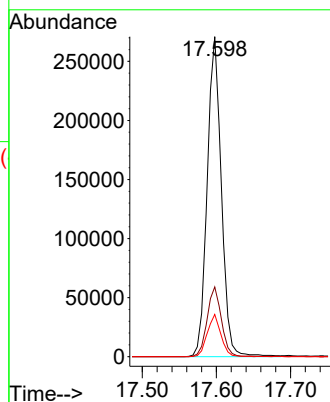
Tgt Ion:167 Resp: 359816

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 13.2 9.6 14.4



#74

Di-n-butylphthalate

Concen: 7.158 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

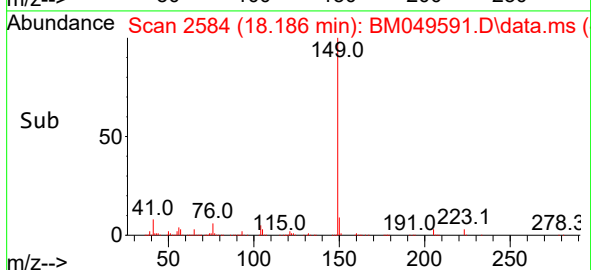
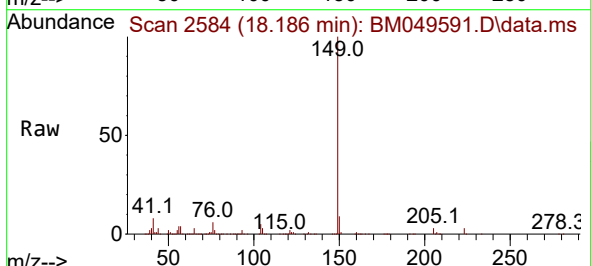
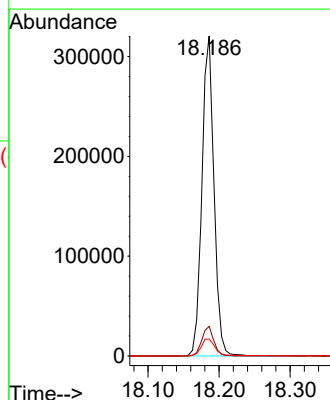
Tgt Ion:149 Resp: 378428

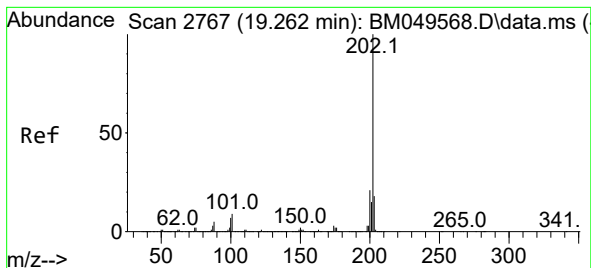
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 7.835 ng

RT: 19.256 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

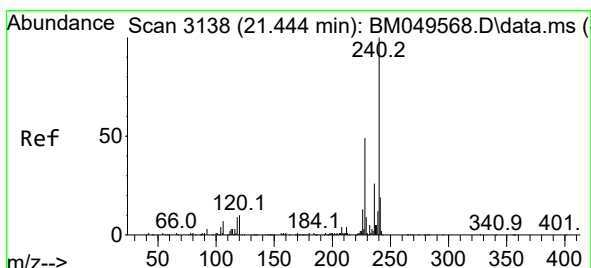
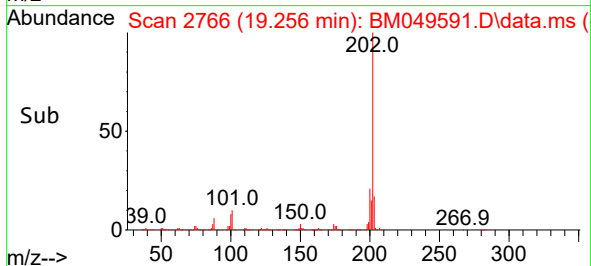
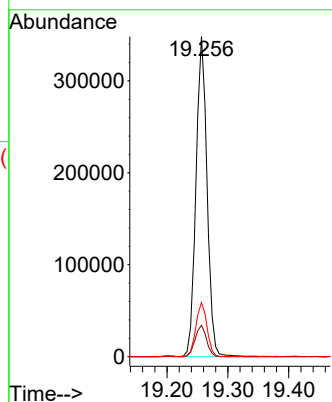
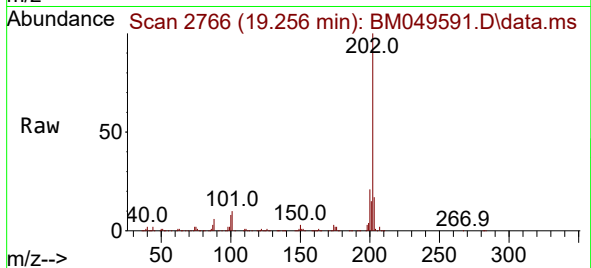
Tgt Ion:202 Resp: 439809

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.1

203 16.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

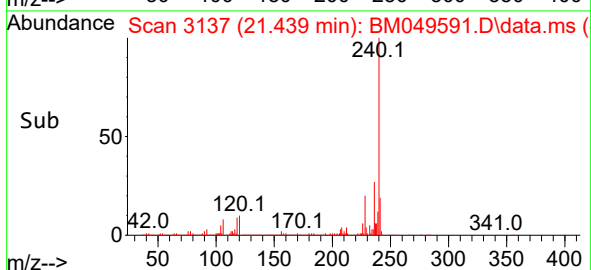
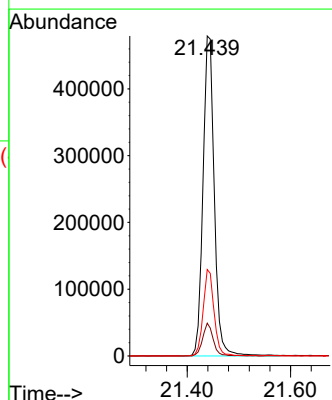
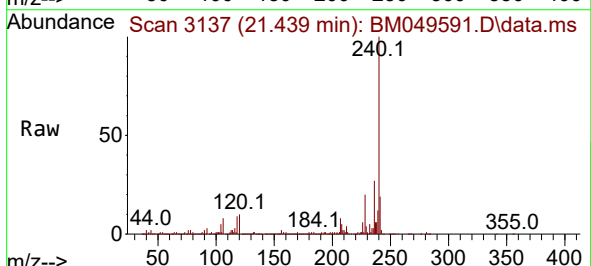
Tgt Ion:240 Resp: 727729

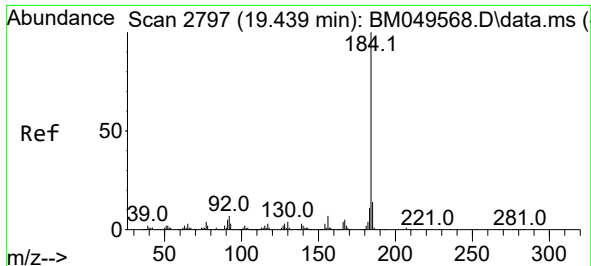
Ion Ratio Lower Upper

240 100

120 10.2 7.8 11.8

236 27.0 20.6 31.0

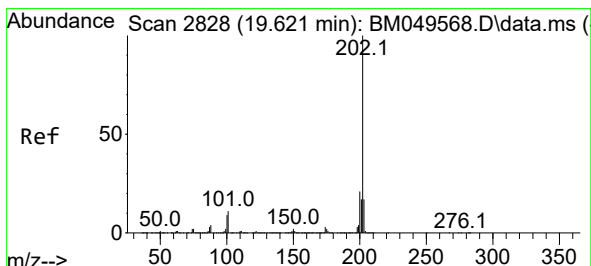
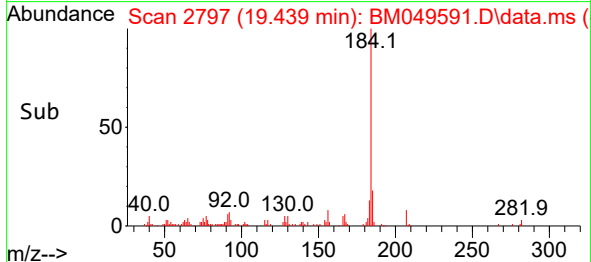
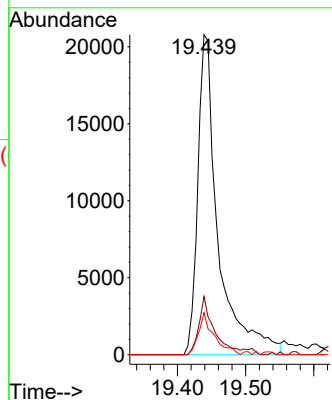
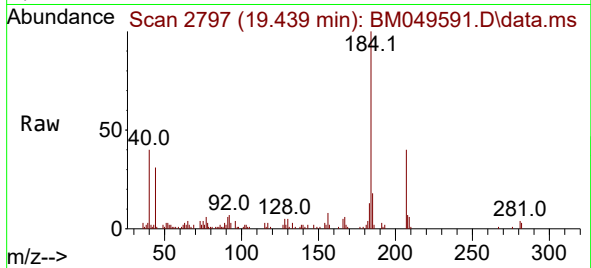




#77
Benzidine
Concen: 6.717 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

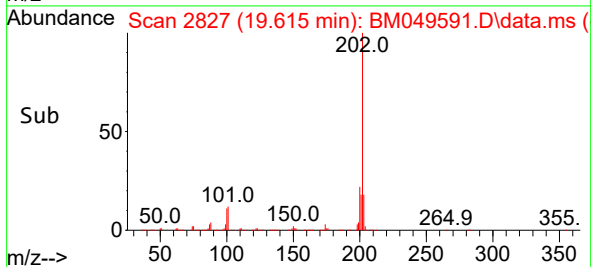
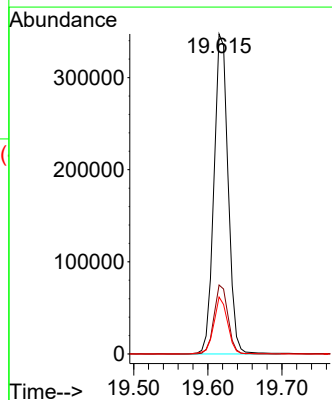
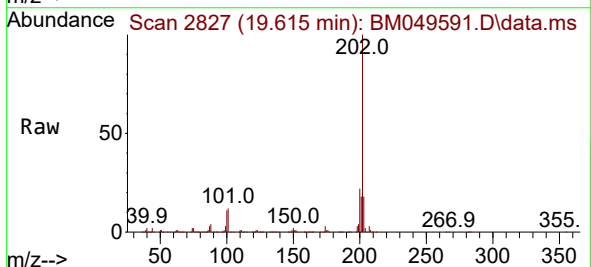
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

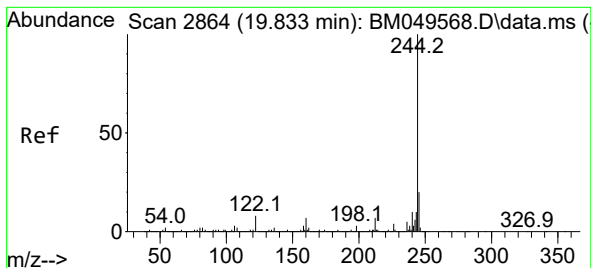
Tgt Ion:184 Resp: 43288
Ion Ratio Lower Upper
184 100
185 18.2 11.6 17.4#
183 13.1 8.9 13.3



#78
Pyrene
Concen: 8.456 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:202 Resp: 460775
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 145.646 ng

RT: 19.833 min Scan# 2864

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

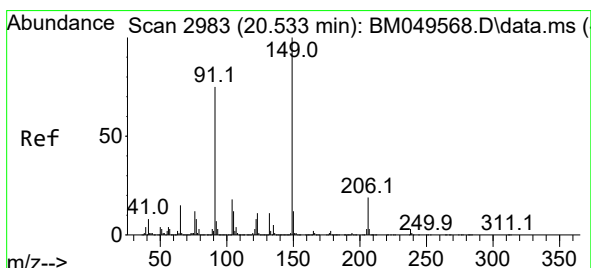
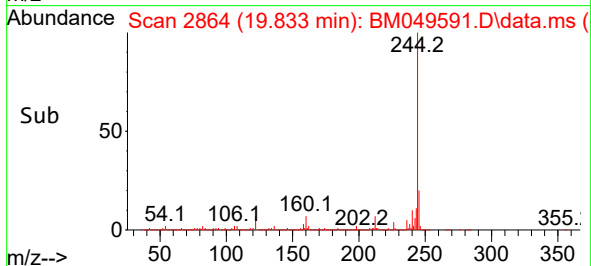
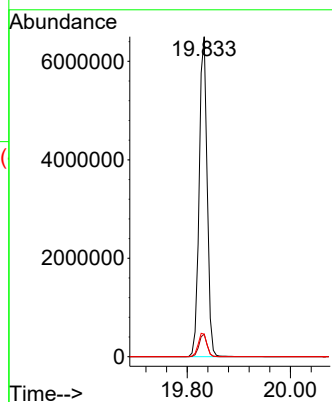
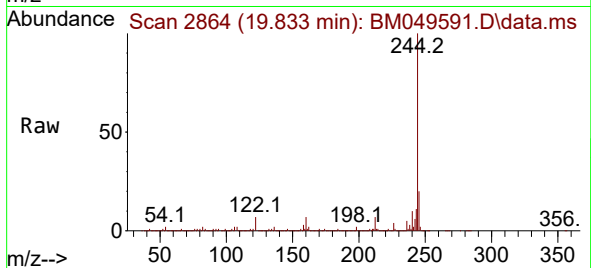
Tgt Ion:244 Resp: 6940943

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 7.0 6.2 9.2



#80

Butylbenzylphthalate

Concen: 4.546 ng

RT: 20.533 min Scan# 2983

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

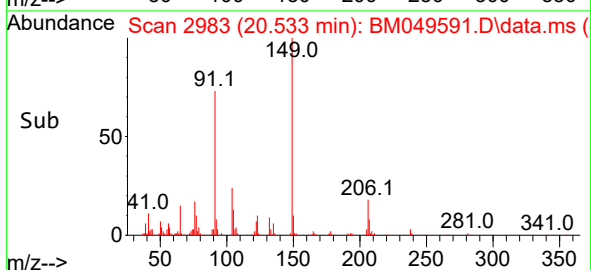
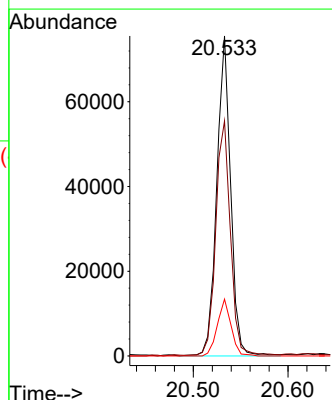
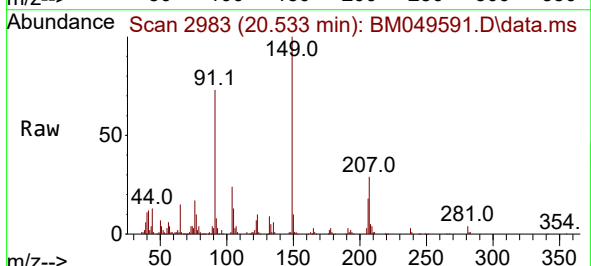
Tgt Ion:149 Resp: 77086

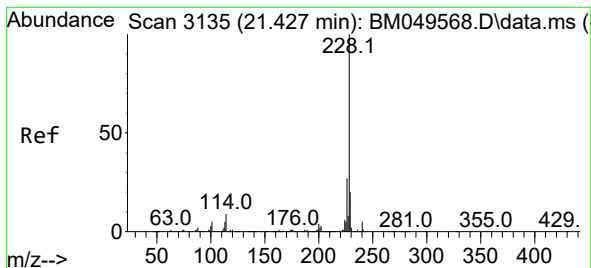
Ion Ratio Lower Upper

149 100

91 73.4 60.2 90.2

206 17.8 15.4 23.0





#81

Benzo(a)anthracene

Concen: 8.769 ng

RT: 21.421 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

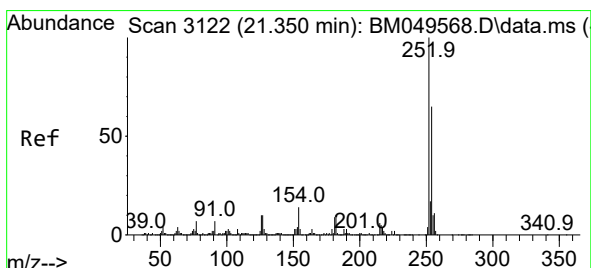
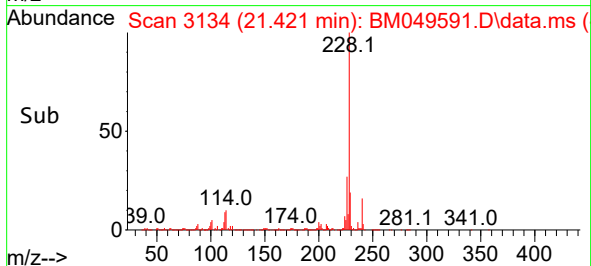
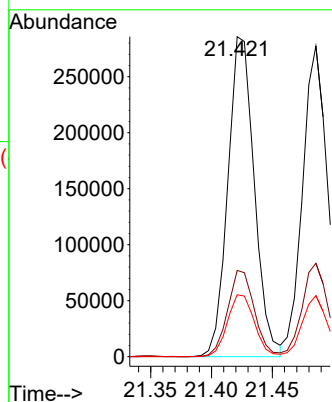
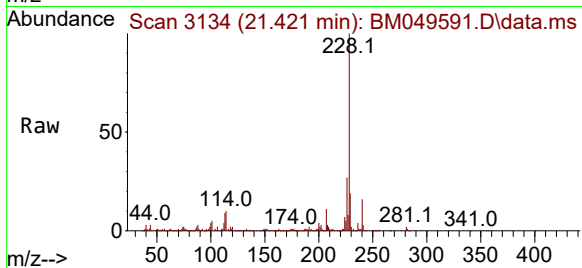
Tgt Ion:228 Resp: 432465

Ion Ratio Lower Upper

228 100

226 27.0 22.0 33.0

229 19.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 6.541 ng

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

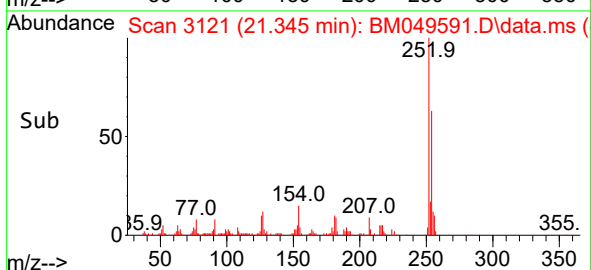
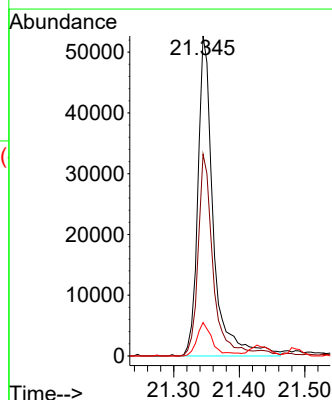
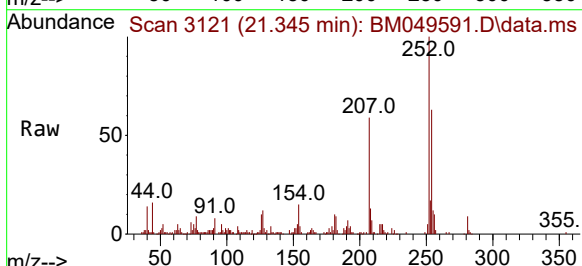
Tgt Ion:252 Resp: 86811

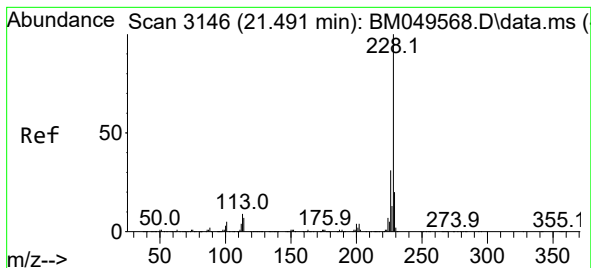
Ion Ratio Lower Upper

252 100

254 63.0 52.1 78.1

126 10.5 7.8 11.6





#83

Chrysene

Concen: 8.904 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

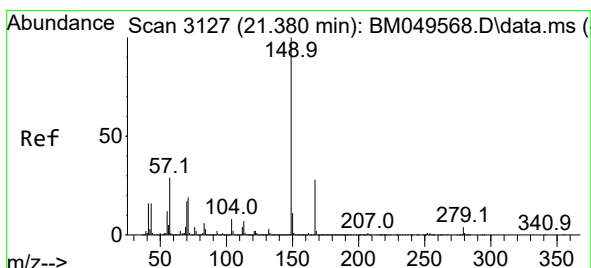
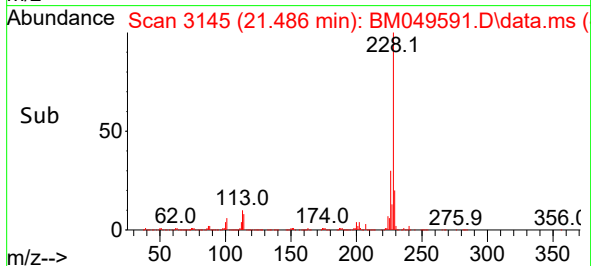
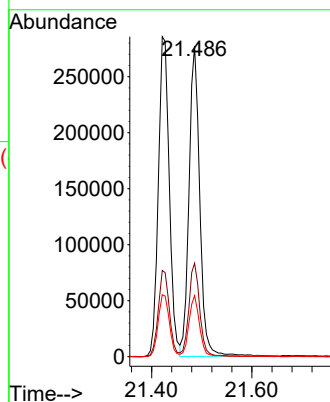
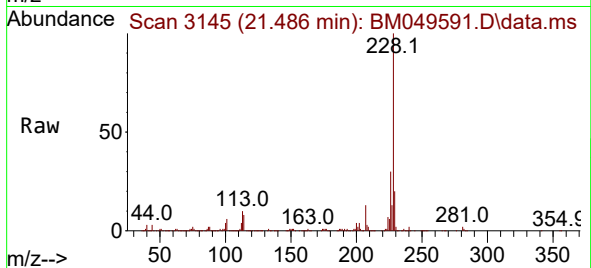
Tgt Ion:228 Resp: 411420

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.518 ng

RT: 21.380 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

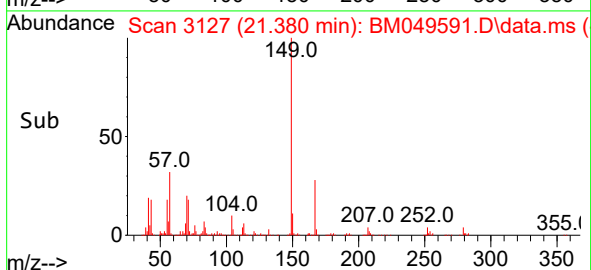
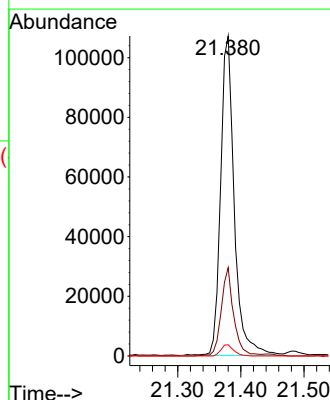
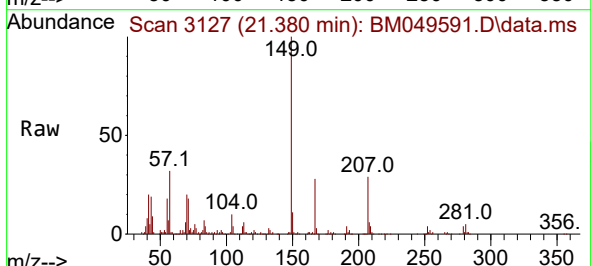
Tgt Ion:149 Resp: 160381

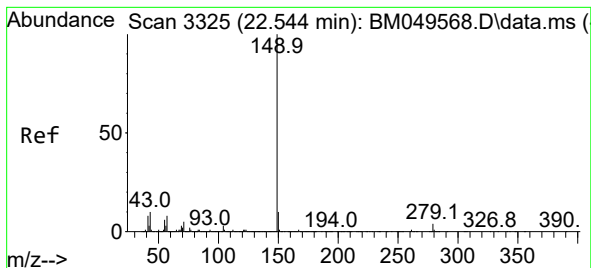
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.305 ng

RT: 22.533 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

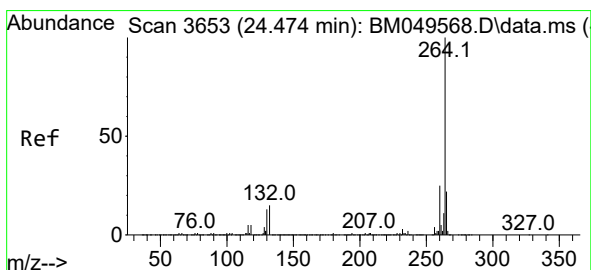
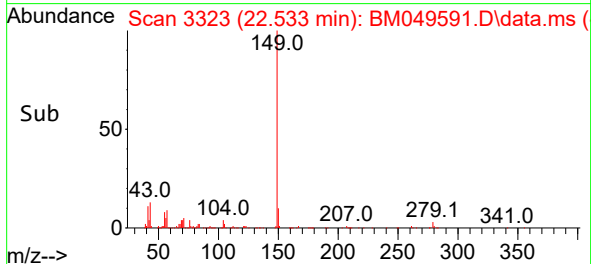
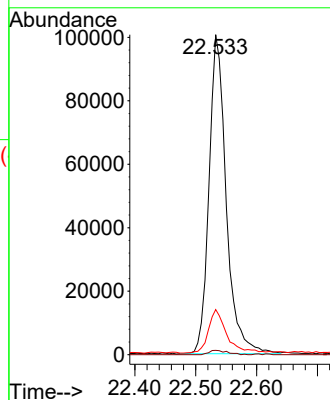
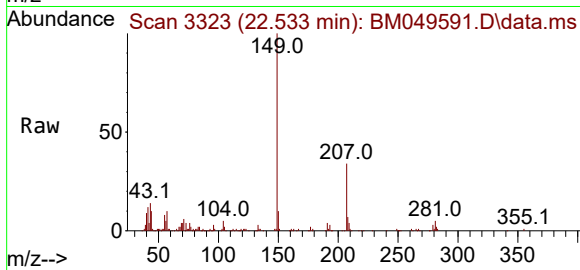
Tgt Ion:149 Resp: 197430

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 14.7 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

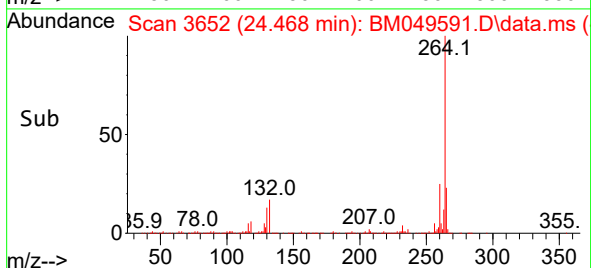
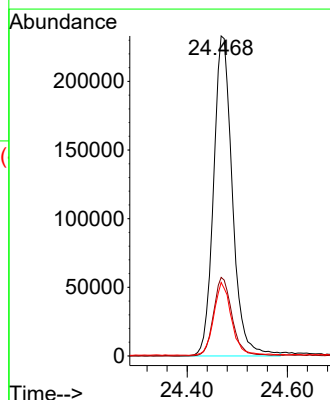
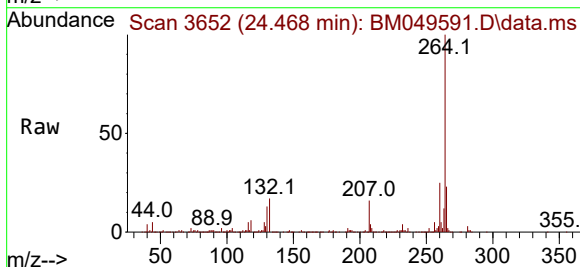
Tgt Ion:264 Resp: 606657

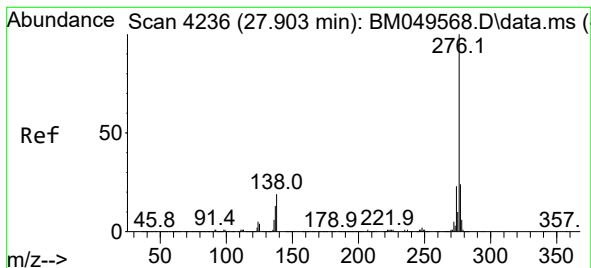
Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 23.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.872 ng

RT: 27.891 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

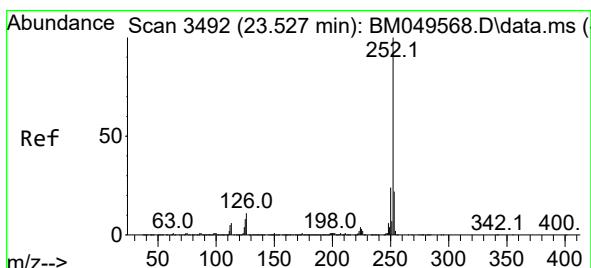
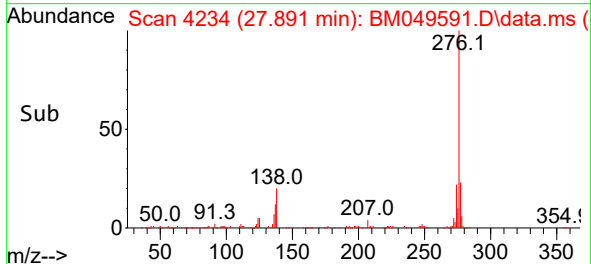
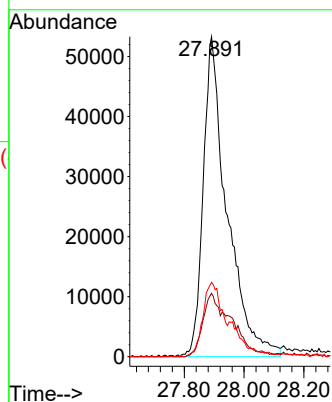
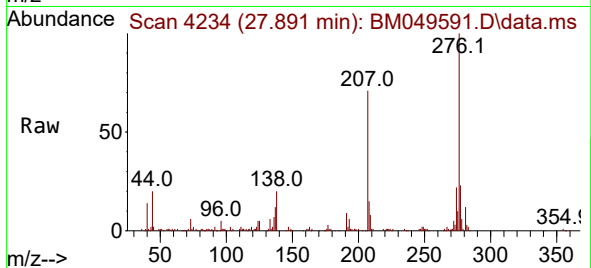
Tgt Ion:276 Resp: 293941

Ion Ratio Lower Upper

276 100

138 23.4 13.1 19.7#

277 18.4 19.9 29.9#



#88

Benzo(b)fluoranthene

Concen: 8.154 ng

RT: 23.580 min Scan# 3501

Delta R.T. 0.053 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

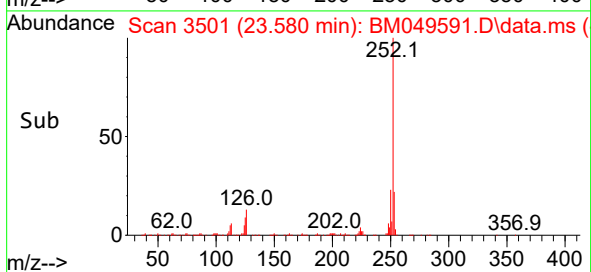
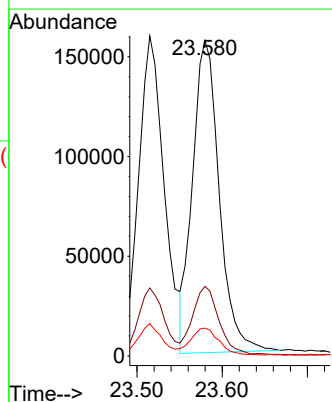
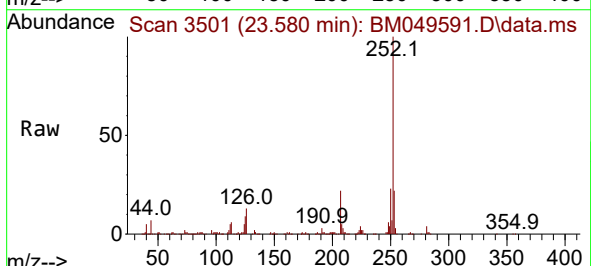
Tgt Ion:252 Resp: 340281

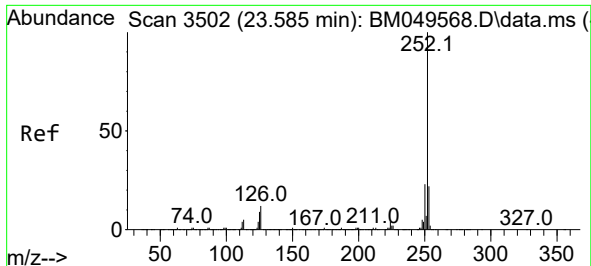
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.8 6.6 10.0

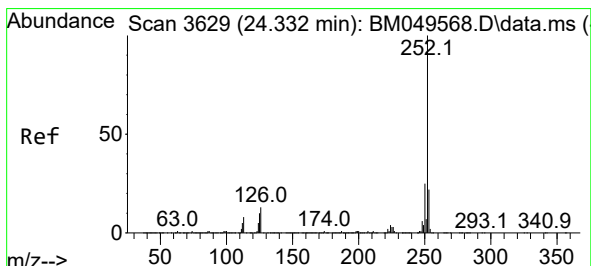
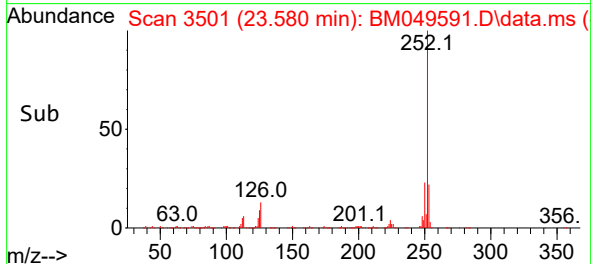
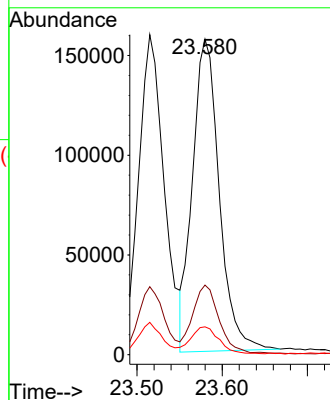
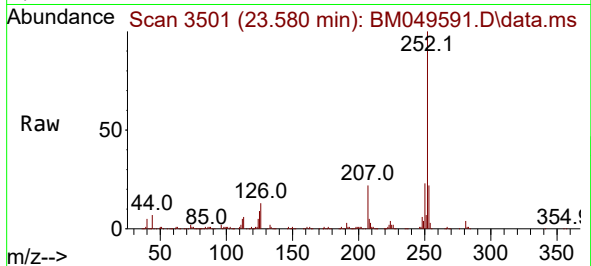




#89
Benzo(k)fluoranthene
Concen: 8.395 ng
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

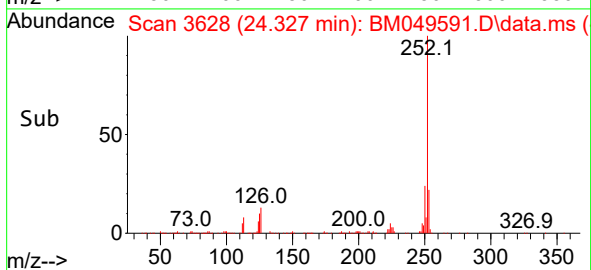
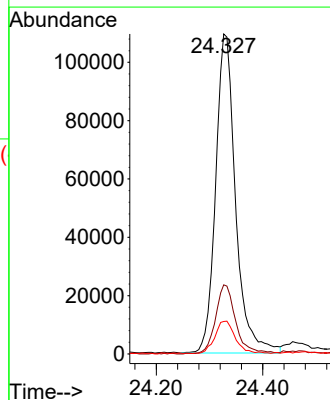
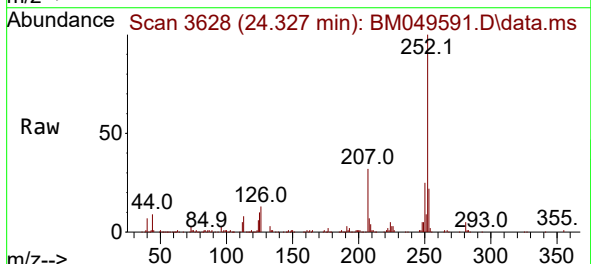
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

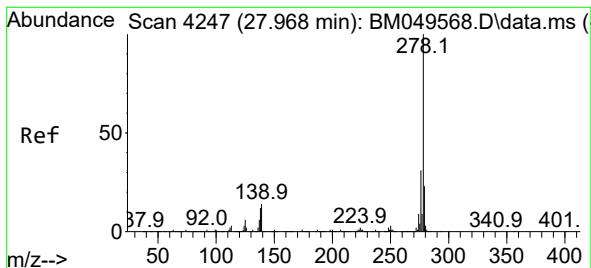
Tgt Ion:252 Resp: 340281
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 8.8 7.0 10.6



#90
Benzo(a)pyrene
Concen: 8.589 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:252 Resp: 284064
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 8.520 ng

RT: 27.956 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

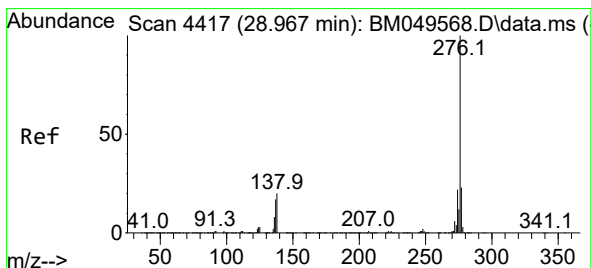
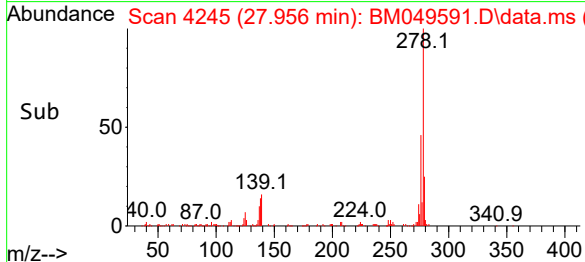
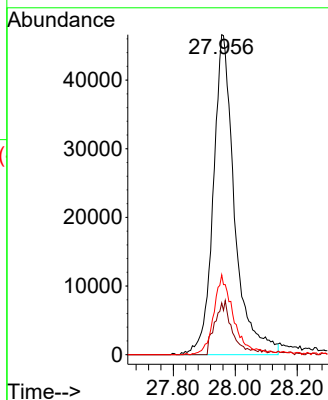
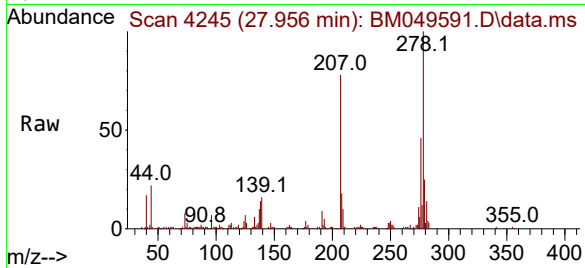
Tgt Ion:278 Resp: 223082

Ion Ratio Lower Upper

278 100

139 16.1 11.5 17.3

279 24.9 18.2 27.2



#92

Benzo(g,h,i)perylene

Concen: 8.486 ng

RT: 28.944 min Scan# 4413

Delta R.T. -0.023 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:276 Resp: 248224

Ion Ratio Lower Upper

276 100

277 22.5 18.7 28.1

138 19.3 16.0 24.0

