

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049581.D
 Acq On : 06 Feb 2025 15:16
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 15:56:03 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 11:55:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	189937	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	718933	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	448375	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	855333	20.000	ng	0.00
76) Chrysene-d12	21.439	240	719312	20.000	ng	0.00
86) Perylene-d12	24.474	264	599002	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	829336	70.215	ng	0.00
7) Phenol-d6	6.981	99	1138937	73.602	ng	0.00
23) Nitrobenzene-d5	8.975	82	1003260	71.780	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	329224	61.967	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2381114	68.796	ng	0.00
79) Terphenyl-d14	19.833	244	3663522	77.774	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.293	88	50209	10.110	ng 94
3) Pyridine	3.693	79	132802	9.623	ng 99
4) n-Nitrosodimethylamine	3.599	42	65658	10.169	ng # 97
6) Aniline	7.145	93	169255	11.540	ng 98
8) 2-Chlorophenol	7.387	128	113122	9.592	ng 97
9) Benzaldehyde	6.957	77	127826	15.601	ng 97
10) Phenol	7.004	94	150169	9.853	ng 96
11) bis(2-Chloroethyl)ether	7.245	93	129186	10.477	ng 96
12) 1,3-Dichlorobenzene	7.716	146	139402	10.183	ng 99
13) 1,4-Dichlorobenzene	7.857	146	141229	10.199	ng 97
14) 1,2-Dichlorobenzene	8.175	146	136935	10.242	ng 98
15) Benzyl Alcohol	8.057	79	96823	8.994	ng 97
16) 2,2'-oxybis(1-Chloropr...	8.351	45	188843	11.377	ng 97
17) 2-Methylphenol	8.257	107	90427	9.703	ng 97
18) Hexachloroethane	8.910	117	50698	10.024	ng 94
19) n-Nitroso-di-n-propyla...	8.628	70	99967	9.865	ng 98
20) 3+4-Methylphenols	8.586	107	116372	9.459	ng 97
22) Acetophenone	8.639	105	195870	10.115	ng 97
24) Nitrobenzene	9.016	77	145550	10.718	ng 99
25) Isophorone	9.545	82	254102	10.081	ng 99
26) 2-Nitrophenol	9.733	139	24670	8.135	ng 99
27) 2,4-Dimethylphenol	9.792	122	81945	10.281	ng 98
28) bis(2-Chloroethoxy)met...	10.033	93	158931	9.790	ng 99
29) 2,4-Dichlorophenol	10.263	162	89486	8.153	ng 95
30) 1,2,4-Trichlorobenzene	10.486	180	126726	9.424	ng 98
31) Naphthalene	10.669	128	360314	9.503	ng 100
32) Benzoic acid	9.845	122	16095	8.987	ng 98
33) 4-Chloroaniline	10.769	127	142593	10.047	ng 98
34) Hexachlorobutadiene	10.969	225	77996	9.685	ng 99
35) Caprolactam	11.516	113	26195	7.823	ng 99
36) 4-Chloro-3-methylphenol	11.892	107	87793	8.020	ng 98
37) 2-Methylnaphthalene	12.286	142	246106	9.219	ng 99
38) 1-Methylnaphthalene	12.504	142	230412	8.871	ng 99
40) 1,2,4,5-Tetrachloroben...	12.651	216	141315	9.586	ng 99
41) Hexachlorocyclopentadiene	12.645	237	34324	9.121	ng 96
43) 2,4,6-Trichlorophenol	12.892	196	58582	7.282	ng 98

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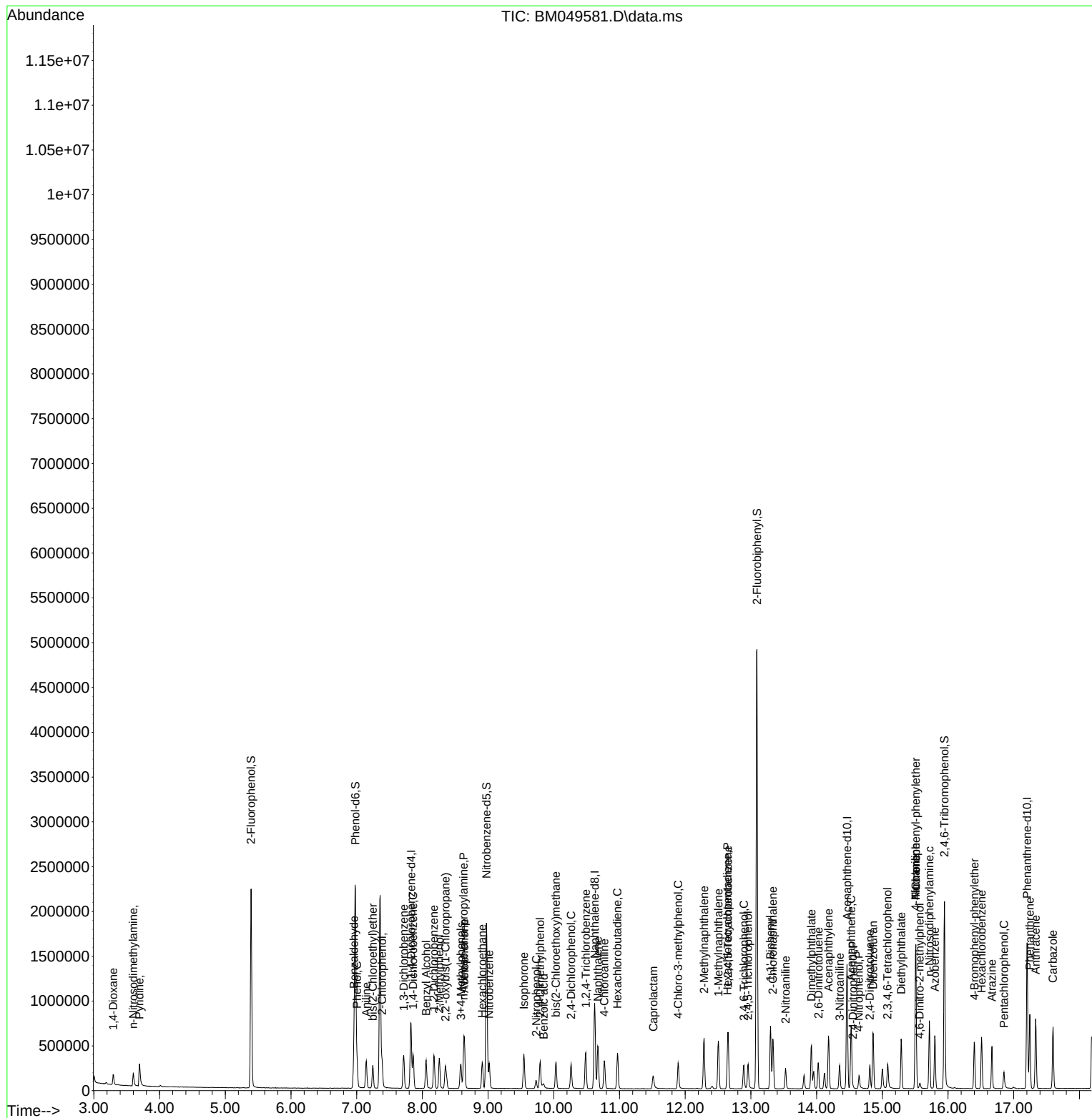
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	71060	8.038	ng	97
46) 1,1'-Biphenyl	13.298	154	329620	9.637	ng	99
47) 2-Chloronaphthalene	13.333	162	255881	9.669	ng	100
48) 2-Nitroaniline	13.527	65	50417	8.303	ng	90
49) Acenaphthylene	14.180	152	384748	9.860	ng	99
50) Dimethylphthalate	13.921	163	292313	9.078	ng	99
51) 2,6-Dinitrotoluene	14.027	165	48252	8.660	ng	100
52) Acenaphthene	14.527	154	236998	9.150	ng	95
53) 3-Nitroaniline	14.351	138	50535	8.908	ng	96
54) 2,4-Dinitrophenol	14.551	184	6308	9.487	ng	# 71
55) Dibenzofuran	14.863	168	384619	9.326	ng	99
56) 4-Nitrophenol	14.645	139	30316	6.340	ng	97
57) 2,4-Dinitrotoluene	14.810	165	55304	10.514	ng	97
58) Fluorene	15.510	166	307368	8.712	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.080	232	56857	7.613	ng	98
60) Diethylphthalate	15.286	149	281300	8.693	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	159406	8.488	ng	94
62) 4-Nitroaniline	15.504	138	51820	8.157	ng	92
63) Azobenzene	15.798	77	329625	9.759	ng	97
65) 4,6-Dinitro-2-methylph...	15.568	198	10635	9.791	ng	94
66) n-Nitrosodiphenylamine	15.715	169	244791	9.075	ng	99
67) 4-Bromophenyl-phenylether	16.404	248	87390	8.795	ng	96
68) Hexachlorobenzene	16.509	284	104643	9.175	ng	95
69) Atrazine	16.668	200	73636	9.183	ng	96
70) Pentachlorophenol	16.851	266	30433	11.285	ng	93
71) Phenanthrene	17.245	178	449559	9.226	ng	99
72) Anthracene	17.333	178	440541	9.131	ng	99
73) Carbazole	17.598	167	392994	9.280	ng	99
74) Di-n-butylphthalate	18.186	149	401833	7.478	ng	99
75) Fluoranthene	19.256	202	469855	8.236	ng	99
77) Benzidine	19.445	184	81883	12.855	ng	99
78) Pyrene	19.615	202	494533	9.182	ng	100
80) Butylbenzylphthalate	20.533	149	78583	4.689	ng	99
81) Benzo(a)anthracene	21.421	228	448805	9.206	ng	99
82) 3,3'-Dichlorobenzidine	21.344	252	91467	6.973	ng	# 98
83) Chrysene	21.486	228	417695	9.145	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	163255	5.682	ng	96
85) Di-n-octyl phthalate	22.538	149	192892	4.256	ng	# 91
87) Indeno(1,2,3-cd)pyrene	27.891	276	276948	8.466	ng	# 96
88) Benzo(b)fluoranthene	23.515	252	338604	8.217	ng	99
89) Benzo(k)fluoranthene	23.580	252	354424	8.855	ng	99
90) Benzo(a)pyrene	24.327	252	288202	8.825	ng	99
91) Dibenzo(a,h)anthracene	27.962	278	215056	8.318	ng	98
92) Benzo(g,h,i)perylene	28.950	276	225105	7.794	ng	99

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

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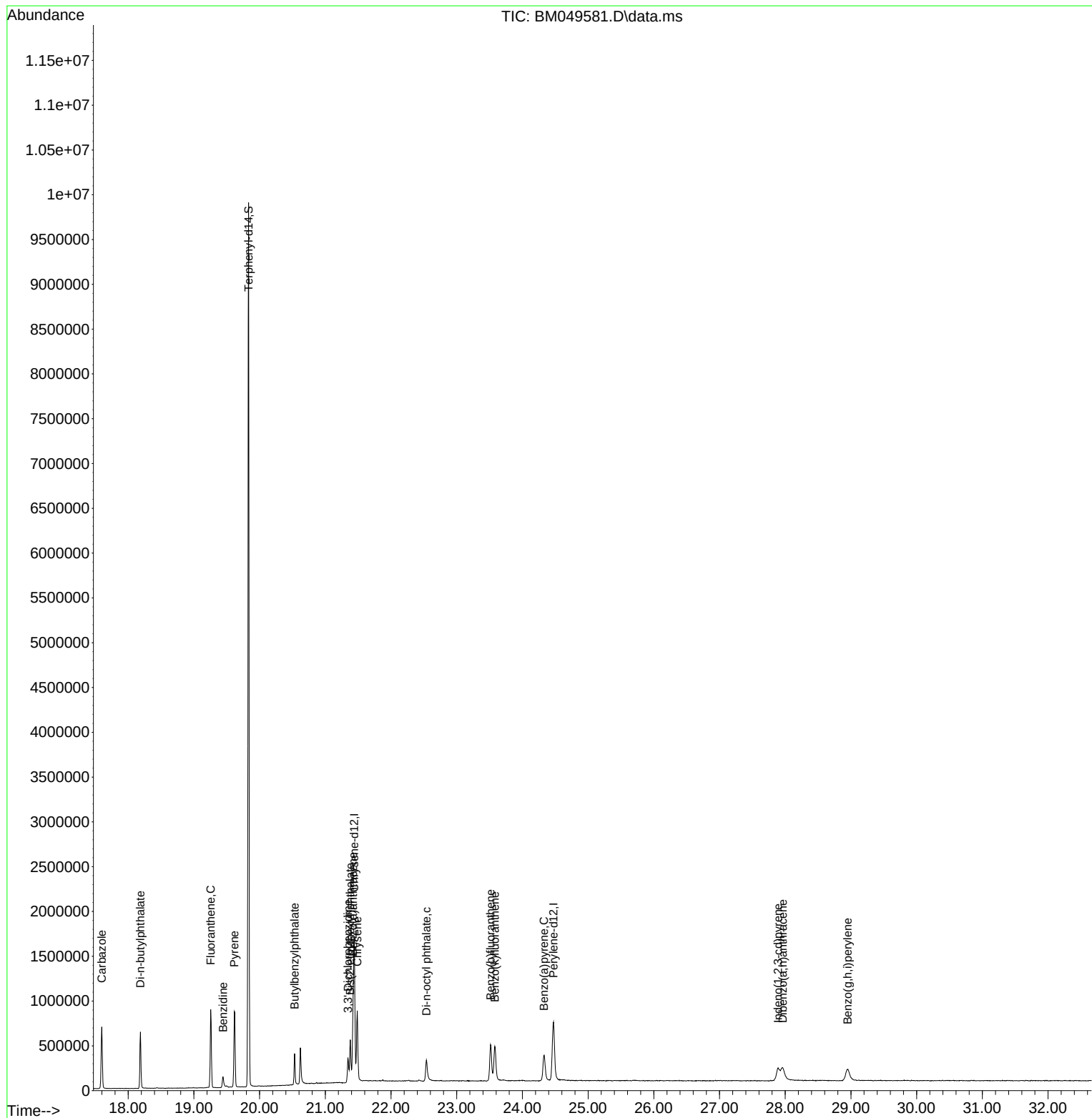
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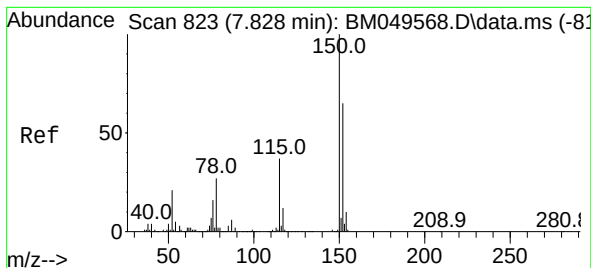


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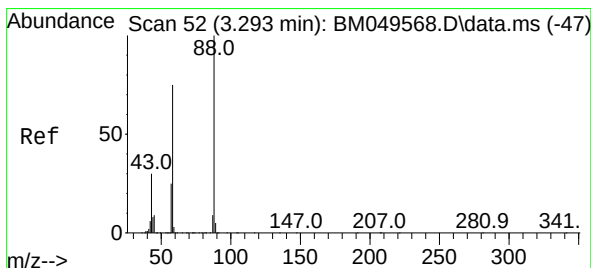
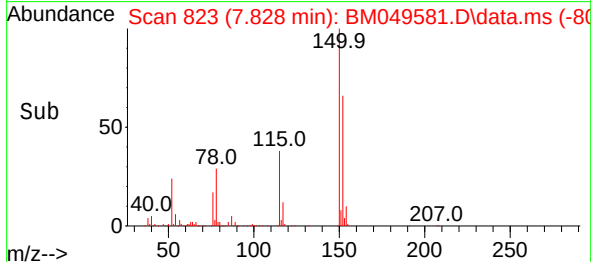
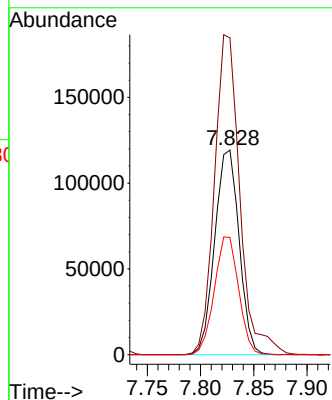
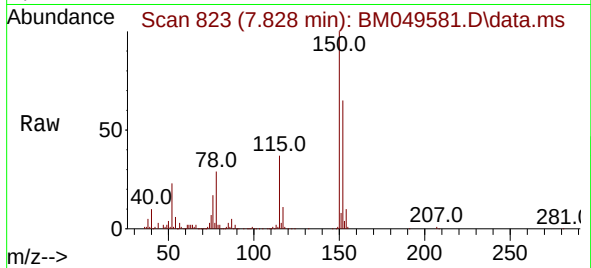




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049581.D
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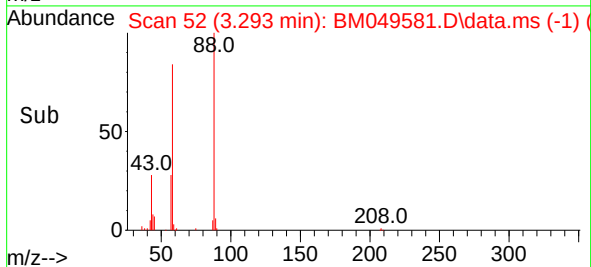
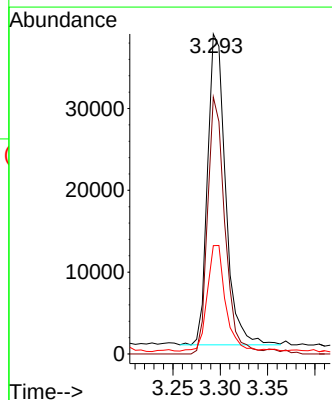
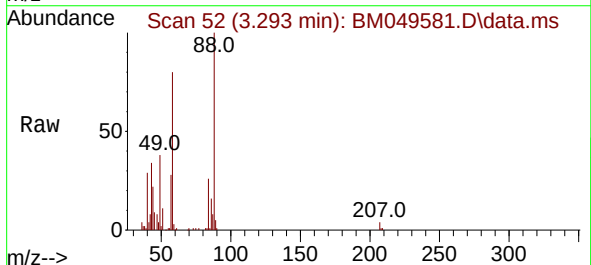
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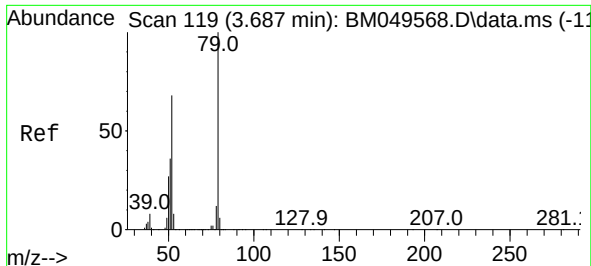
Tgt Ion:152 Resp: 189937
Ion Ratio Lower Upper
152 100
150 154.8 122.6 184.0
115 57.3 45.4 68.0



#2
1,4-Dioxane
Concen: 10.110 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 88 Resp: 50209
Ion Ratio Lower Upper
88 100
58 79.4 60.0 90.0
43 35.2 24.4 36.6

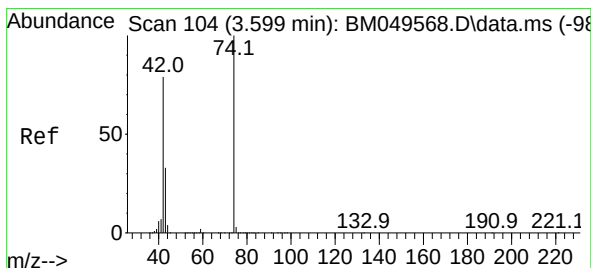
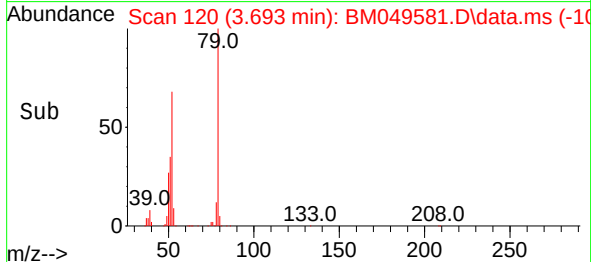
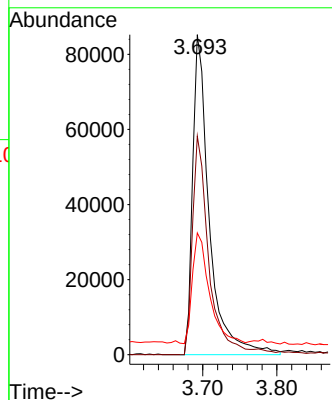
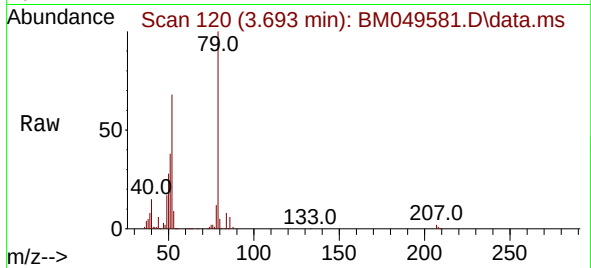




#3
 Pyridine
 Concen: 9.623 ng
 RT: 3.693 min Scan# 119
 Delta R.T. 0.006 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

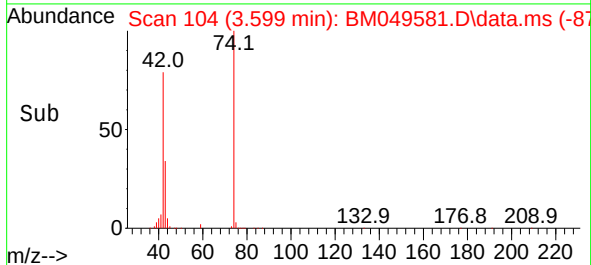
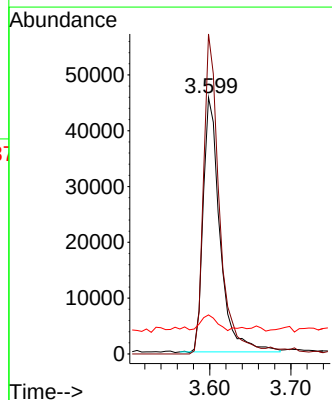
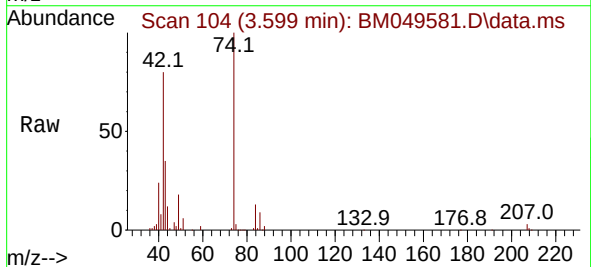
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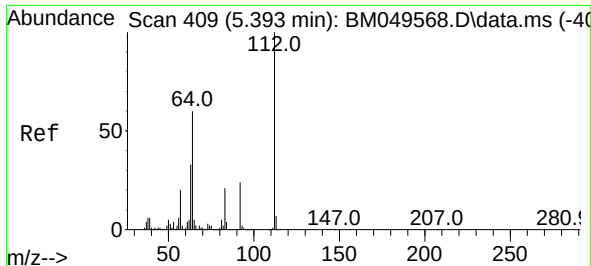
Tgt Ion: 79 Resp: 132802
 Ion Ratio Lower Upper
 79 100
 52 68.3 54.5 81.7
 51 38.0 29.0 43.6



#4
 n-Nitrosodimethylamine
 Concen: 10.169 ng
 RT: 3.599 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

Tgt Ion: 42 Resp: 65658
 Ion Ratio Lower Upper
 42 100
 74 124.8 101.3 151.9
 44 15.2 6.5 9.7#

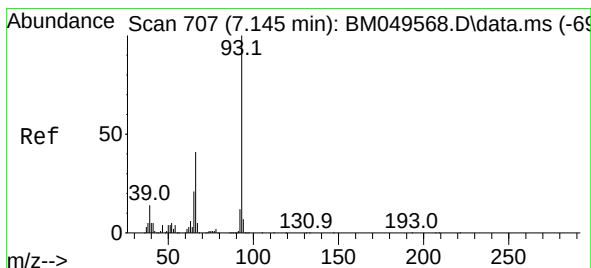
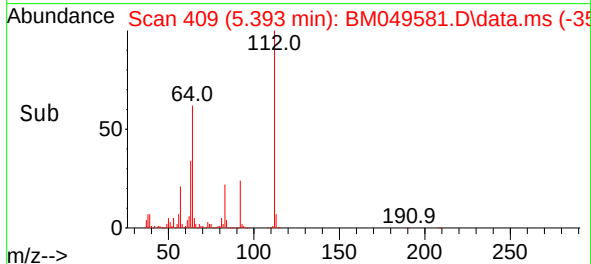
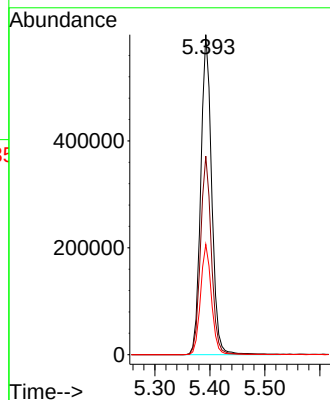
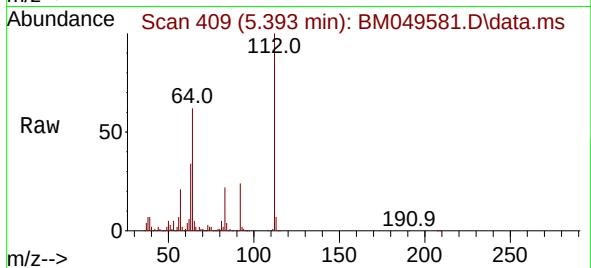




#5
2-Fluorophenol
Concen: 70.215 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

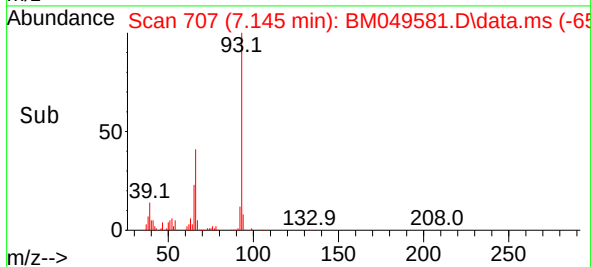
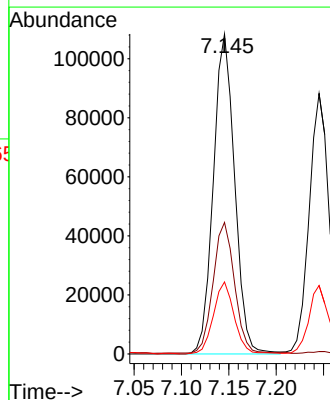
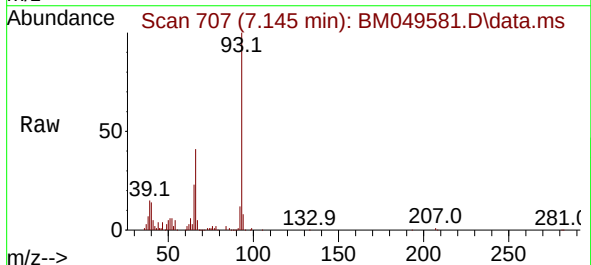
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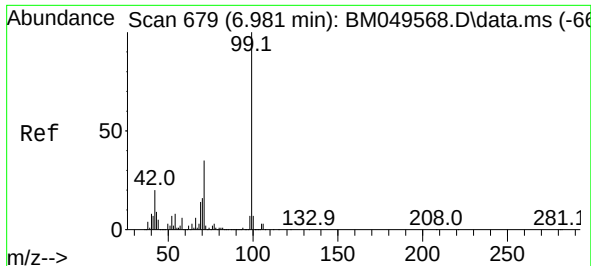
Tgt Ion:	112	Resp:	829336
Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.8	71.8
63	34.5	26.2	39.4



#6
Aniline
Concen: 11.540 ng
RT: 7.145 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049581.D
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Tgt Ion:	93	Resp:	169255
Ion	Ratio	Lower	Upper
93	100		
66	41.1	33.3	49.9
65	22.5	16.8	25.2

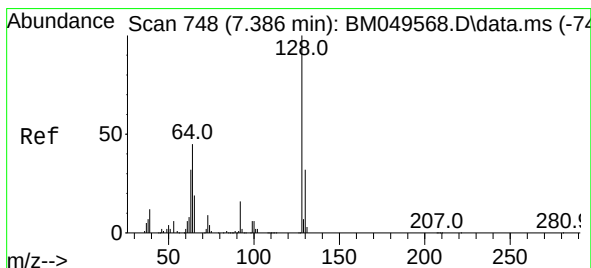
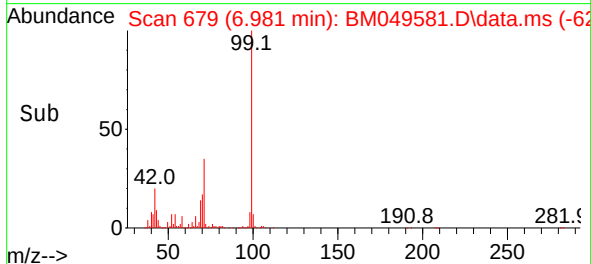
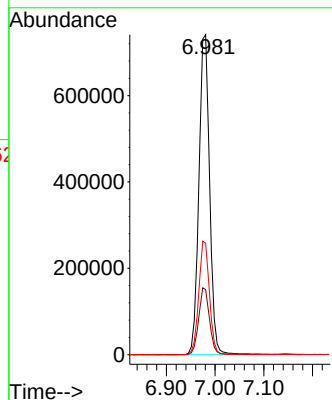
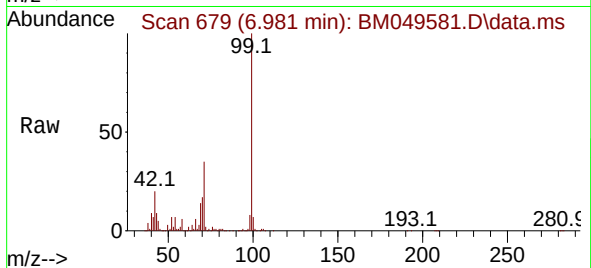




#7
Phenol-d6
Concen: 73.602 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

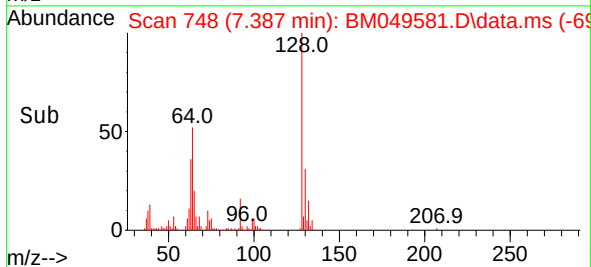
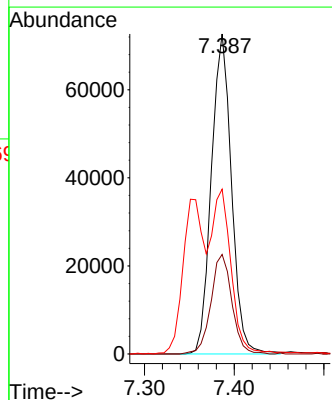
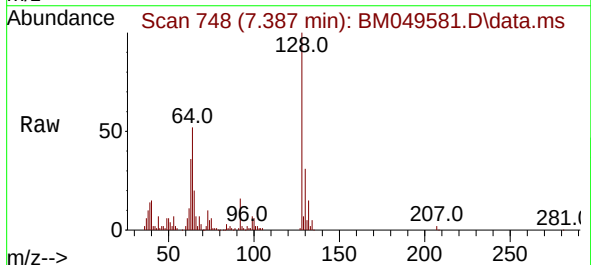
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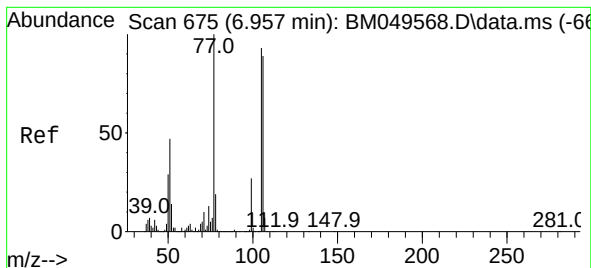
Tgt Ion: 99 Resp: 1138937
Ion Ratio Lower Upper
99 100
42 20.4 16.0 24.0
71 34.9 27.8 41.6



#8
2-Chlorophenol
Concen: 9.592 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 128 Resp: 113122
Ion Ratio Lower Upper
128 100
130 31.1 12.4 52.4
64 51.5 28.7 68.7





#9

Benzaldehyde

Concen: 15.601 ng

RT: 6.957 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM049581.D

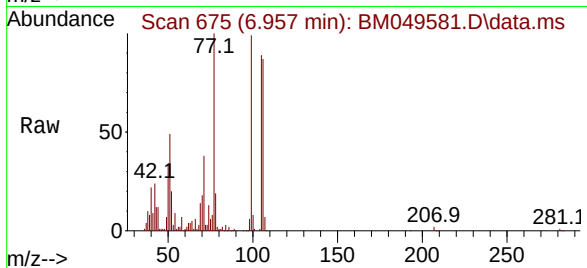
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Instrument :

BNA_M

ClientSampleId :

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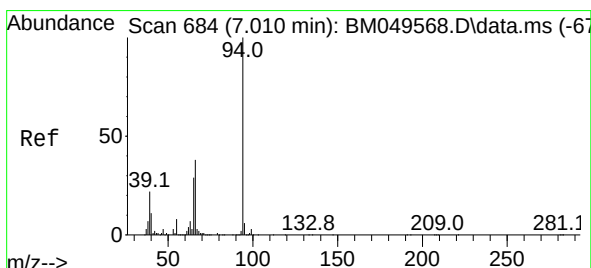
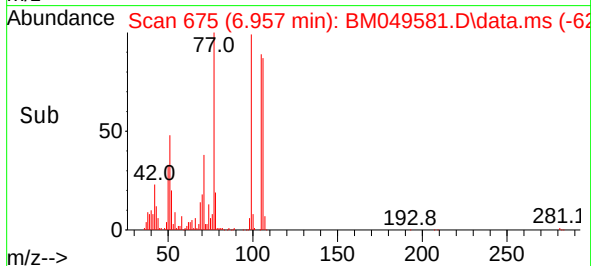
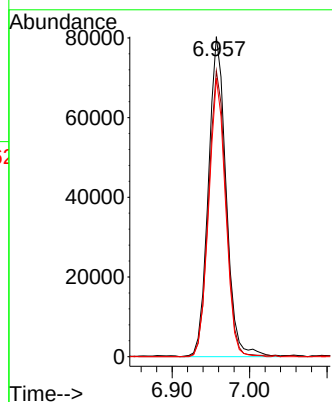
Tgt Ion: 77 Resp: 127826

Ion Ratio Lower Upper

77 100

105 89.3 72.7 112.7

106 87.0 68.9 108.9



#10

Phenol

Concen: 9.853 ng

RT: 7.004 min Scan# 683

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

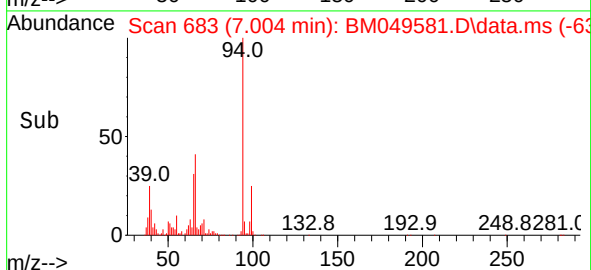
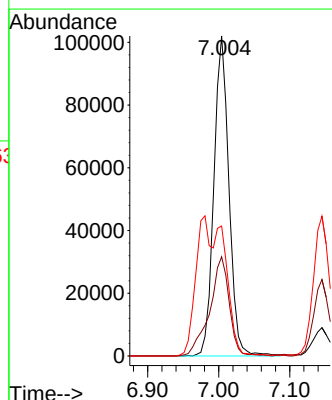
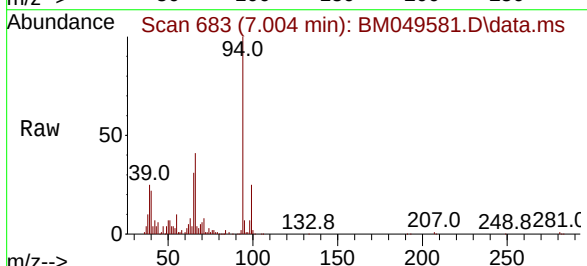
Tgt Ion: 94 Resp: 150169

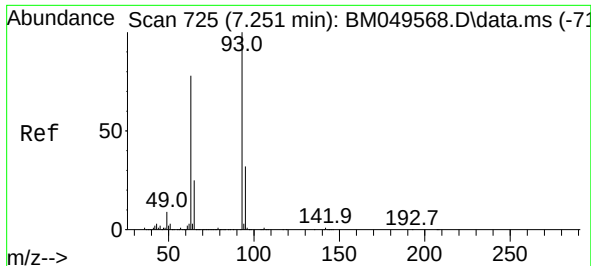
Ion Ratio Lower Upper

94 100

65 31.0 9.3 49.3

66 40.6 17.7 57.7

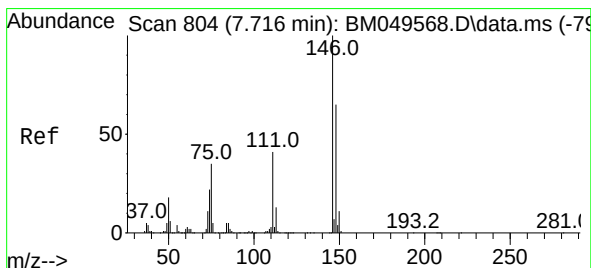
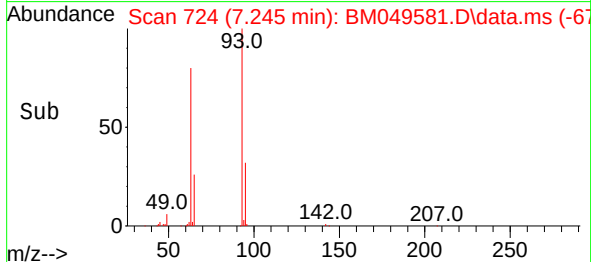
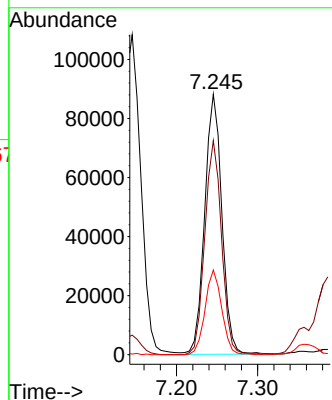
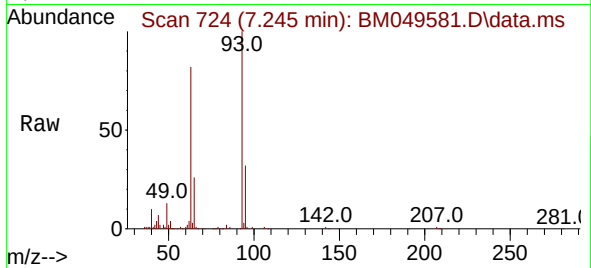




#11
bis(2-Chloroethyl)ether
Concen: 10.477 ng
RT: 7.245 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

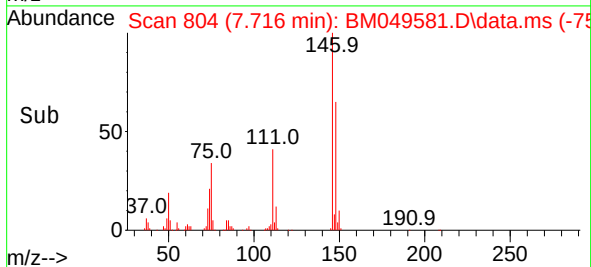
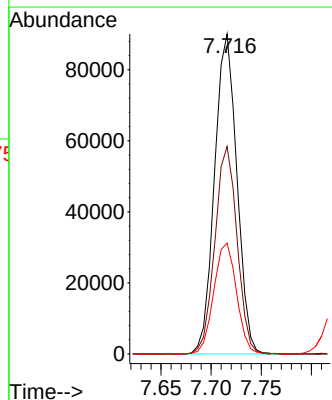
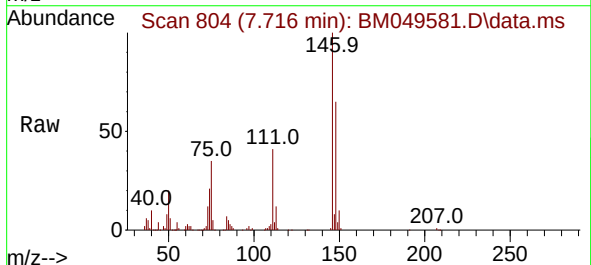
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

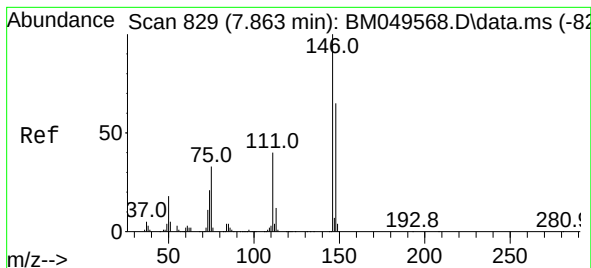
Tgt Ion: 93 Resp: 129186
Ion Ratio Lower Upper
93 100
63 82.2 57.3 97.3
95 32.5 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 10.183 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:146 Resp: 139402
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.2
75 34.7 28.3 42.5





#13

1,4-Dichlorobenzene

Concen: 10.199 ng

RT: 7.857 min Scan# 81

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

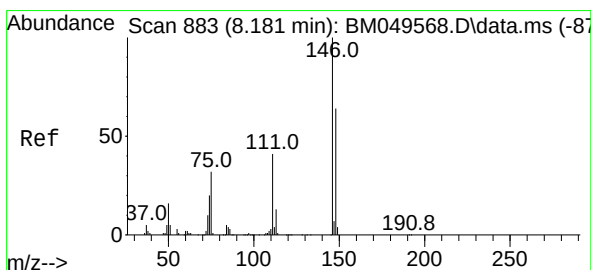
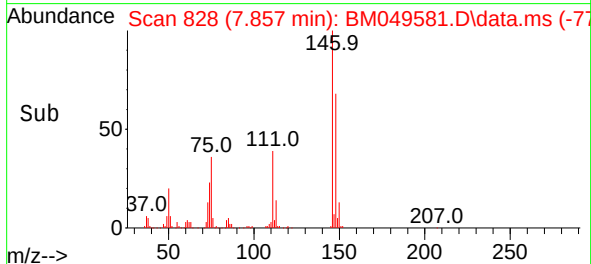
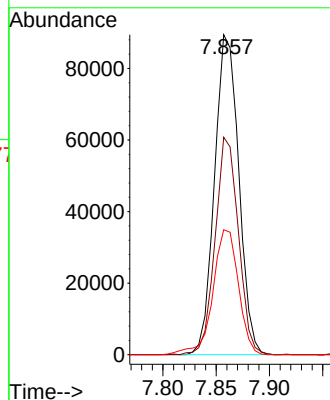
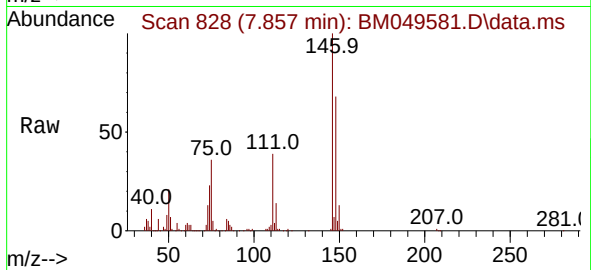
Tgt Ion:146 Resp: 141229

Ion Ratio Lower Upper

146 100

148 67.9 52.1 78.1

111 39.1 31.7 47.5



#14

1,2-Dichlorobenzene

Concen: 10.242 ng

RT: 8.175 min Scan# 882

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

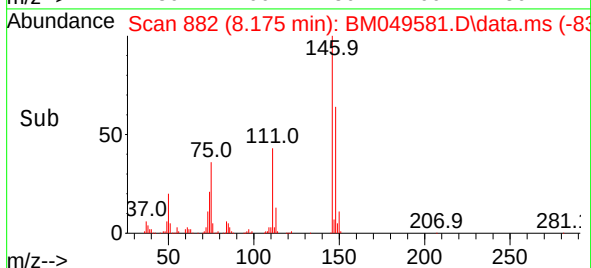
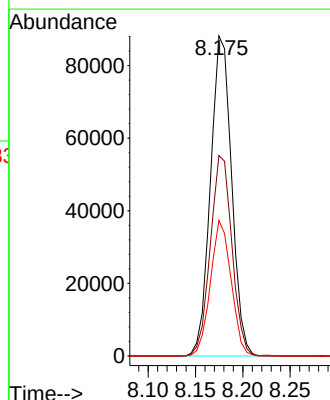
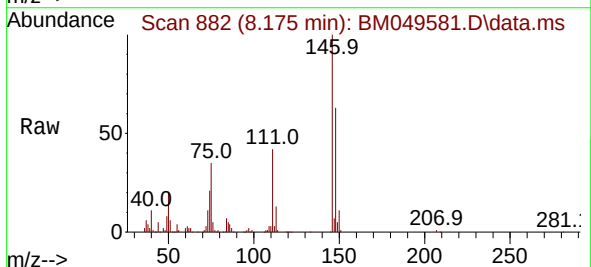
Tgt Ion:146 Resp: 136935

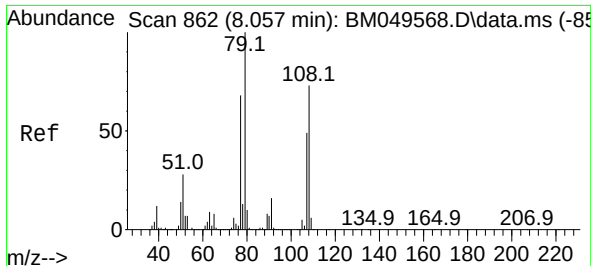
Ion Ratio Lower Upper

146 100

148 62.6 51.5 77.3

111 42.3 33.4 50.0

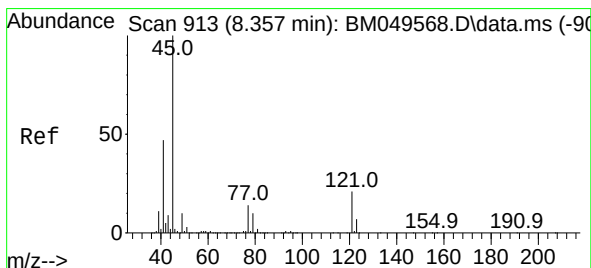
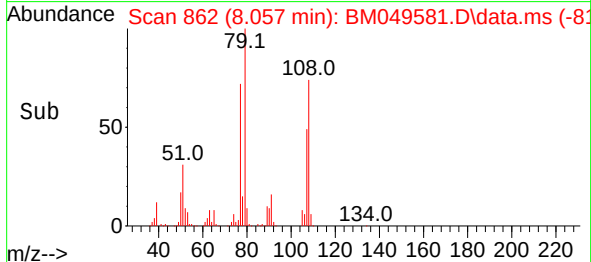
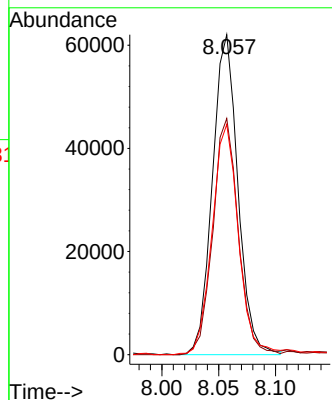
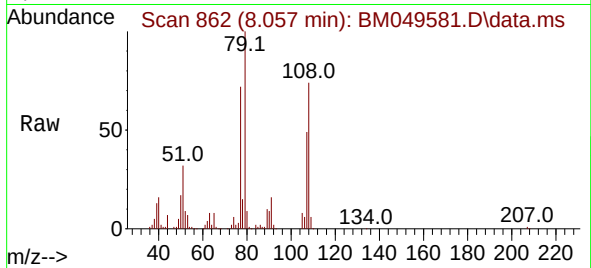




#15
Benzyl Alcohol
Concen: 8.994 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

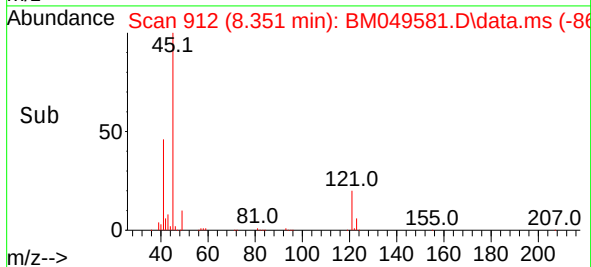
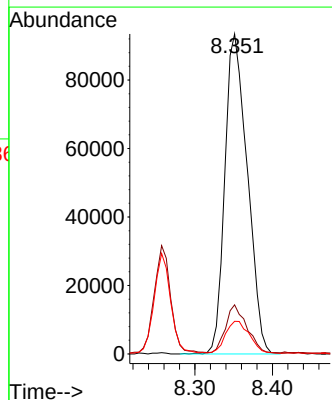
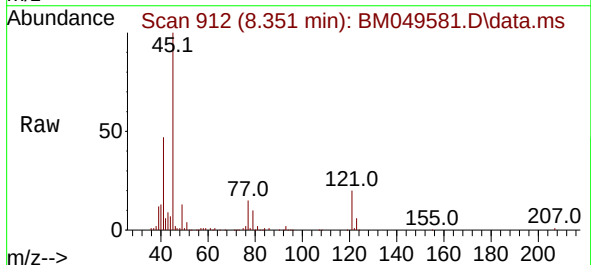
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

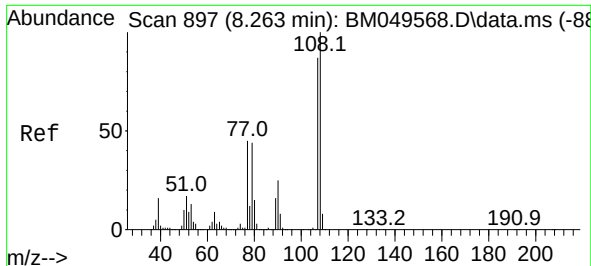
Tgt Ion: 79 Resp: 96823
Ion Ratio Lower Upper
79 100
108 73.8 58.6 88.0
77 72.0 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.377 ng
RT: 8.351 min Scan# 912
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 45 Resp: 188843
Ion Ratio Lower Upper
45 100
77 15.4 0.0 34.0
79 10.2 0.0 30.8

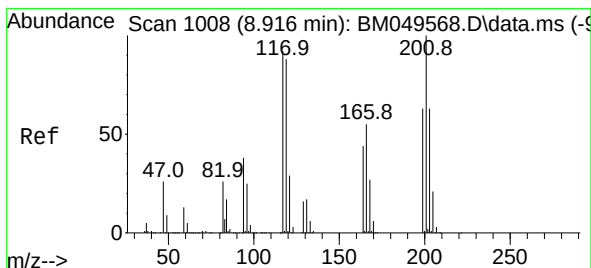
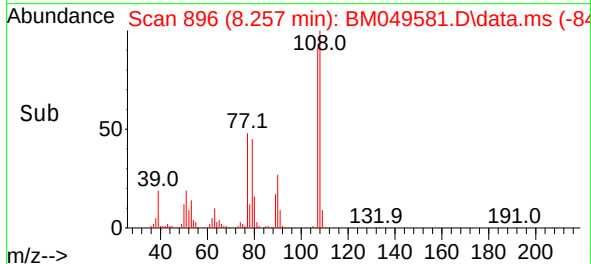
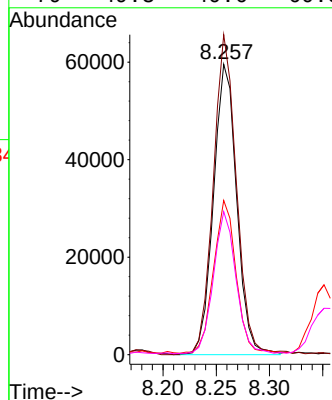
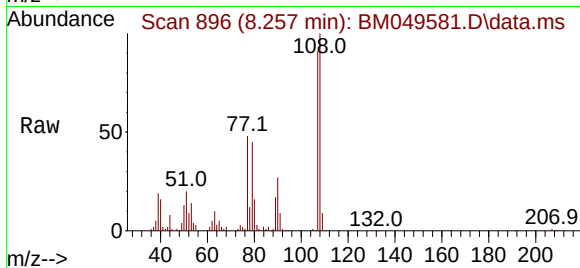




#17
2-Methylphenol
Concen: 9.703 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

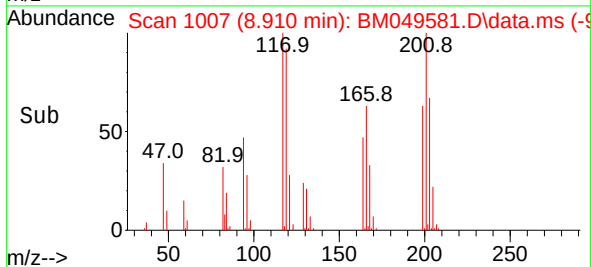
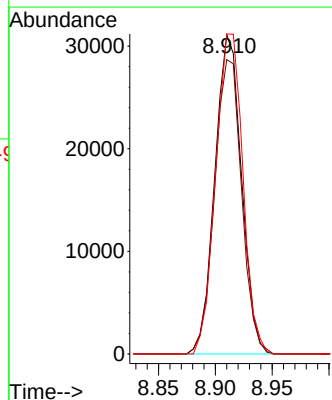
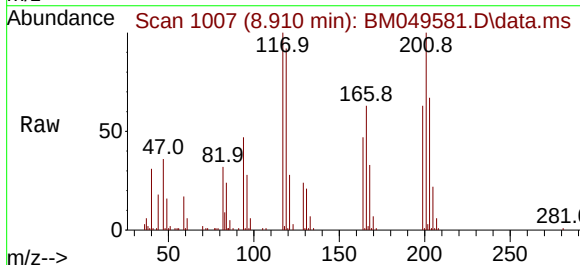
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

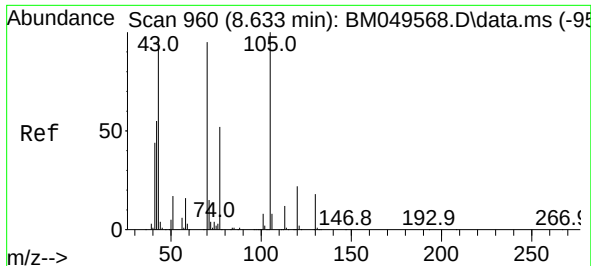
Tgt Ion:	107	Resp:	90427
Ion Ratio	Lower	Upper	
107	100		
108	110.2	92.2	138.4
77	53.1	41.3	61.9
79	49.3	40.6	60.8



#18
Hexachloroethane
Concen: 10.024 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:	117	Resp:	50698
Ion Ratio	Lower	Upper	
117	100		
119	92.3	76.8	115.2
201	100.3	87.0	130.6

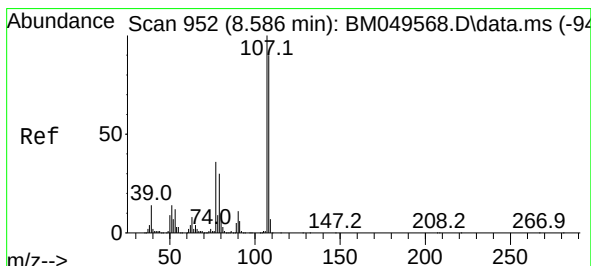
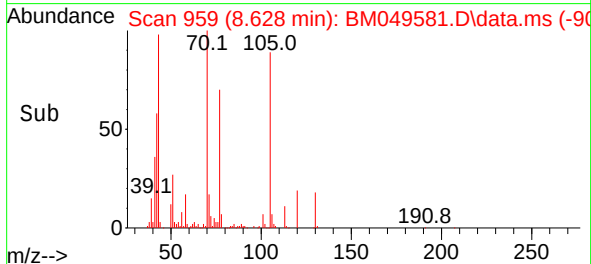
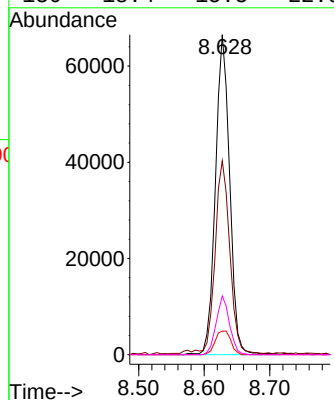
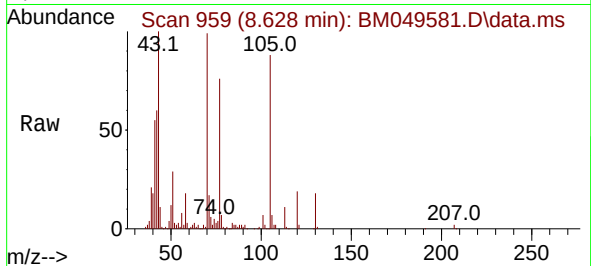




#19
n-Nitroso-di-n-propylamine
Concen: 9.865 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

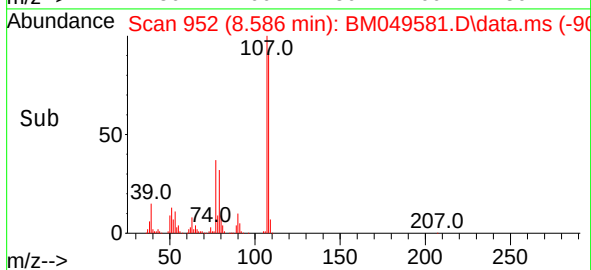
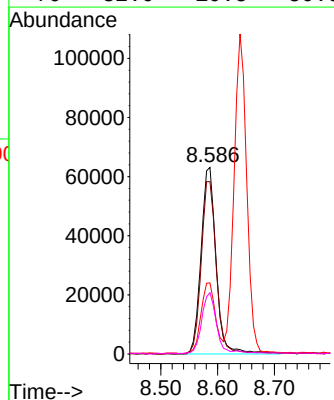
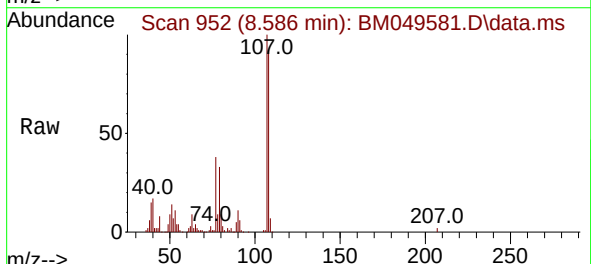
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

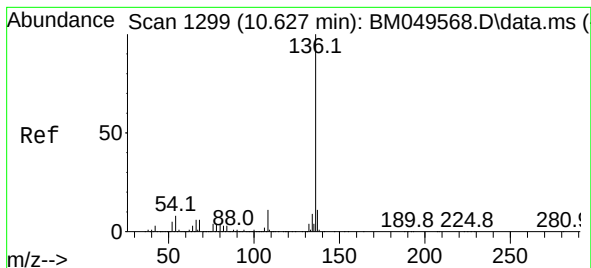
Tgt Ion:	70	Resp:	99967
Ion Ratio	Lower	Upper	
70	100		
42	60.6	47.4	71.2
101	7.4	7.1	10.7
130	18.4	15.3	22.9



#20
3+4-Methylphenols
Concen: 9.459 ng
RT: 8.586 min Scan# 952
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:	107	Resp:	116372
Ion Ratio	Lower	Upper	
107	100		
108	92.4	69.6	109.6
77	38.1	16.0	56.0
79	32.9	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: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:136 Resp: 718933

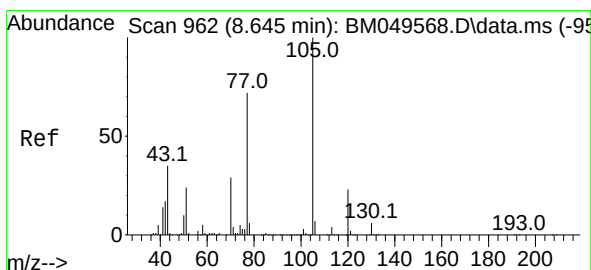
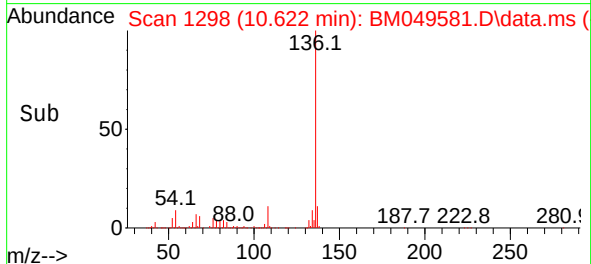
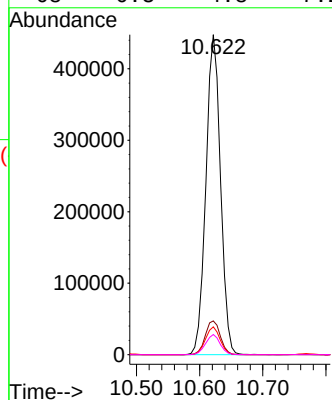
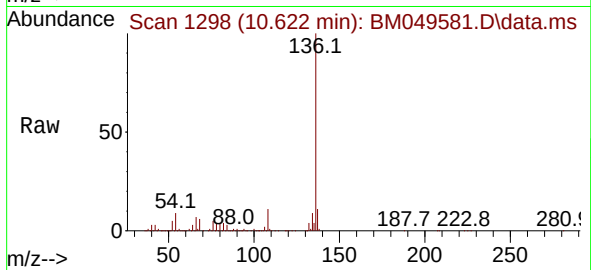
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 8.7 6.6 10.0

68 6.3 4.8 7.2



#22

Acetophenone

Concen: 10.115 ng

RT: 8.639 min Scan# 961

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Tgt Ion:105 Resp: 195870

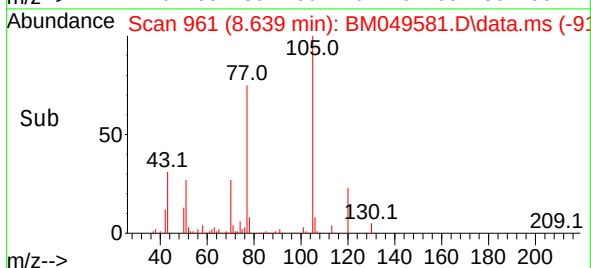
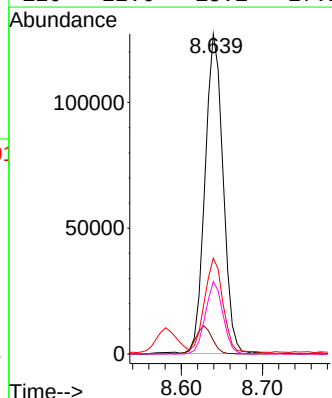
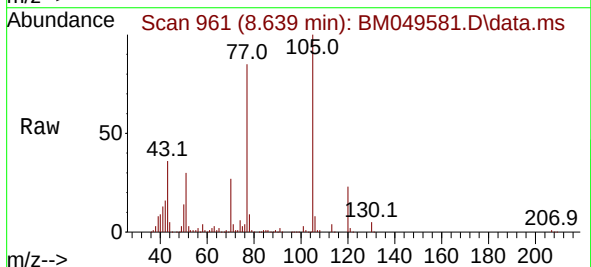
Ion Ratio Lower Upper

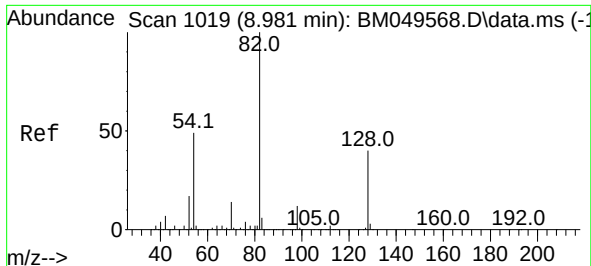
105 100

71 4.2 3.5 5.3

51 30.0 21.7 32.5

120 22.6 18.1 27.1





#23

Nitrobenzene-d5

Concen: 71.780 ng

RT: 8.975 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

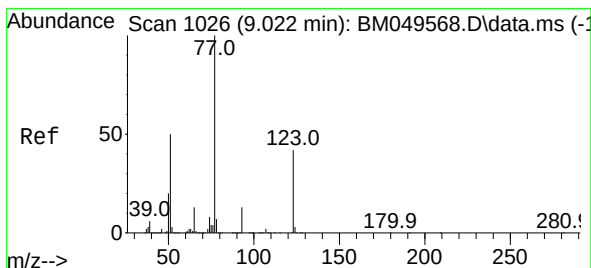
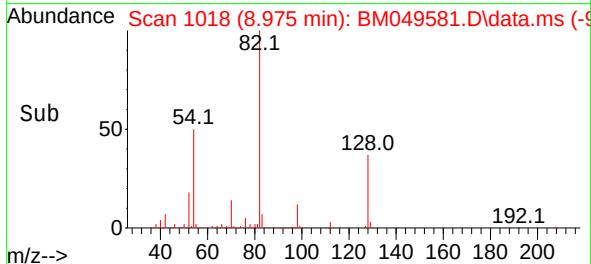
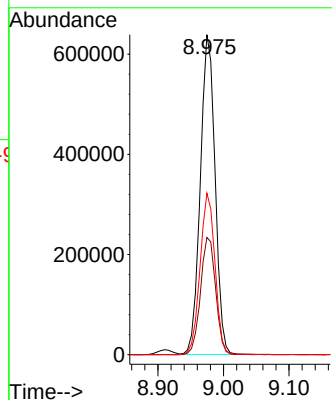
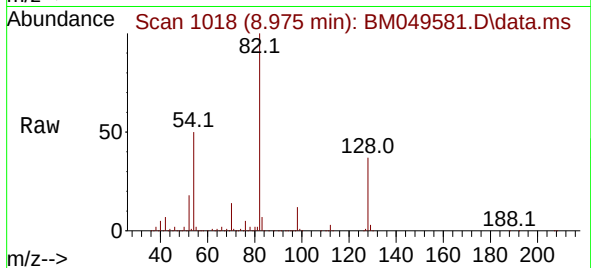
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 82 Resp: 1003260

Ion	Ratio	Lower	Upper
82	100		
128	36.6	31.6	47.4
54	50.5	39.4	59.0



#24

Nitrobenzene

Concen: 10.718 ng

RT: 9.016 min Scan# 1025

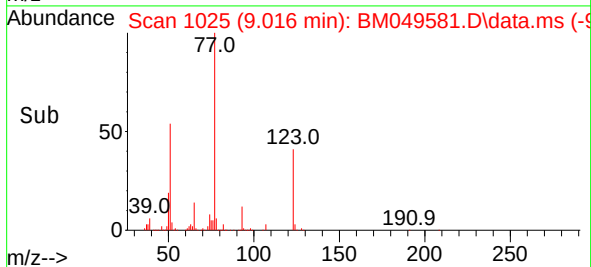
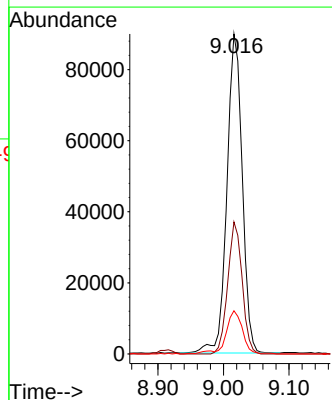
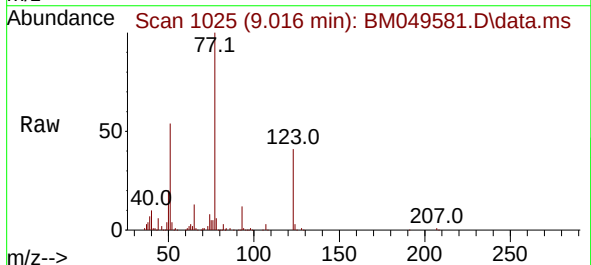
Delta R.T. -0.006 min

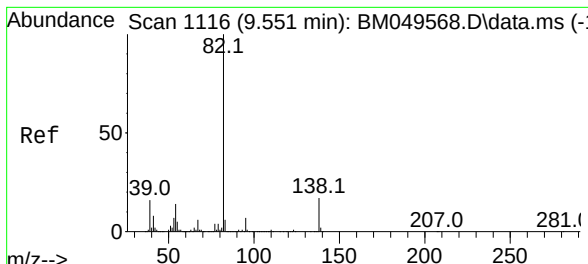
Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Tgt Ion: 77 Resp: 145550

Ion	Ratio	Lower	Upper
77	100		
123	41.2	33.4	50.2
65	13.5	10.5	15.7





#25

Isophorone

Concen: 10.081 ng

RT: 9.545 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BM049581.D

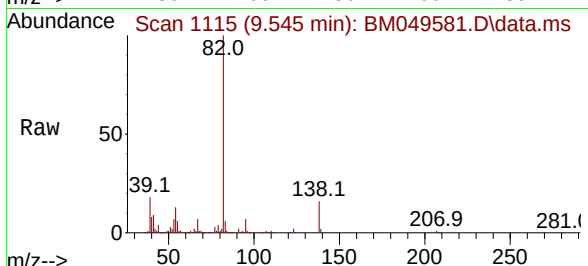
Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



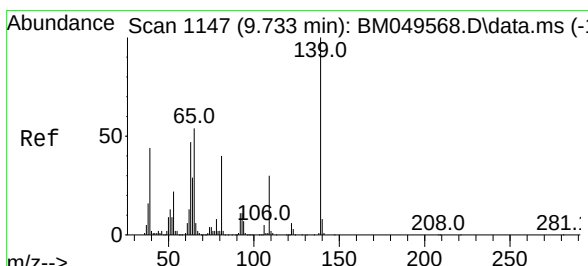
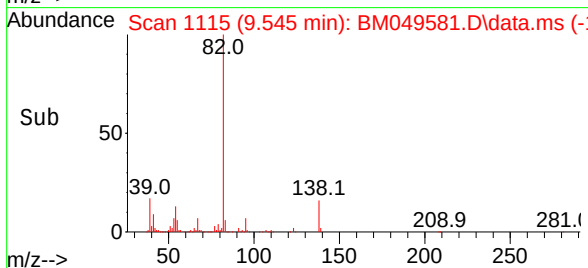
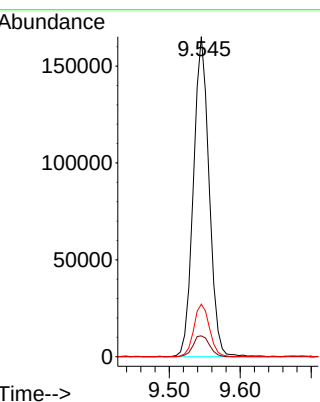
Tgt Ion: 82 Resp: 254102

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

138 16.4 13.6 20.4



#26

2-Nitrophenol

Concen: 8.135 ng

RT: 9.733 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

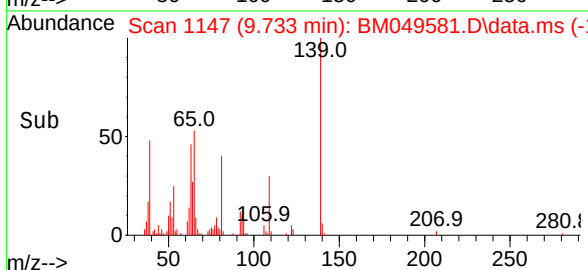
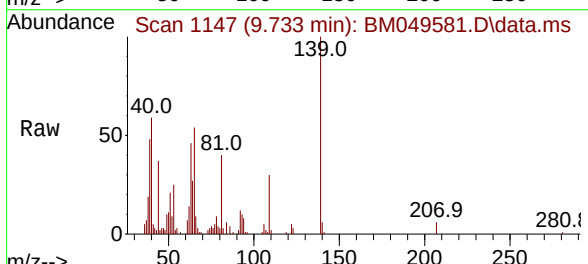
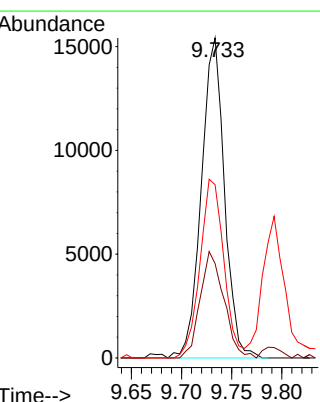
Tgt Ion:139 Resp: 24670

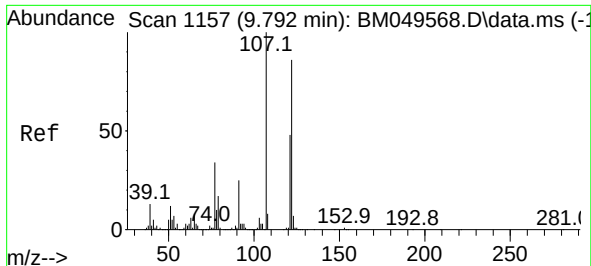
Ion Ratio Lower Upper

139 100

109 29.5 24.2 36.2

65 54.1 43.4 65.2

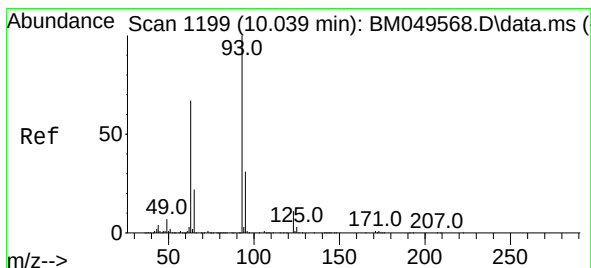
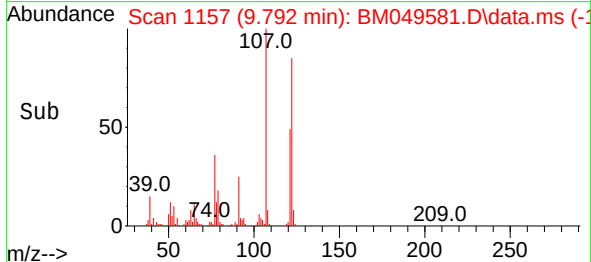
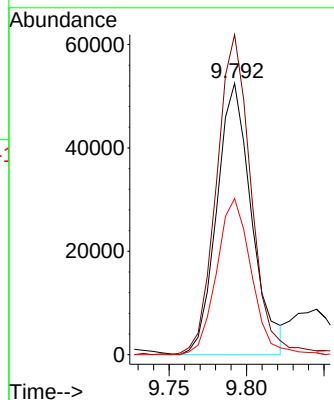
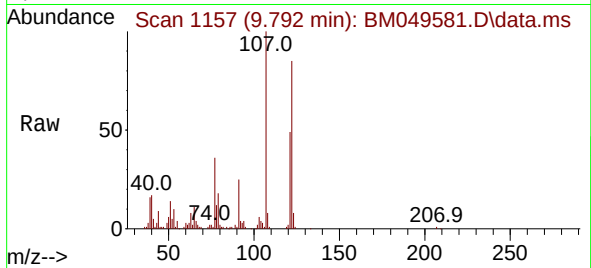




#27
2,4-Dimethylphenol
Concen: 10.281 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

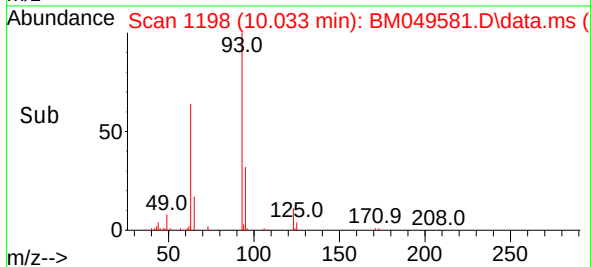
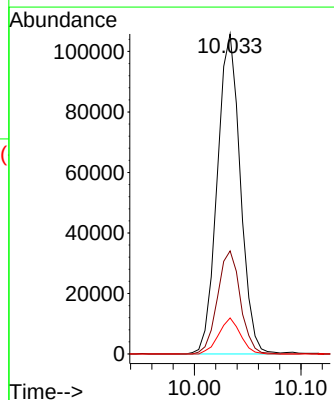
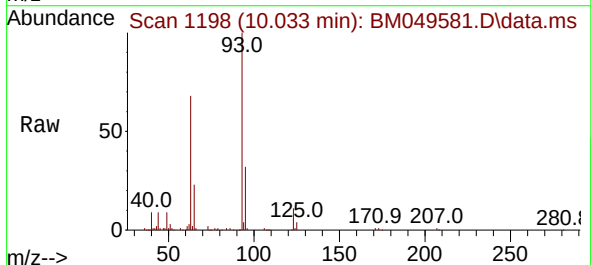
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

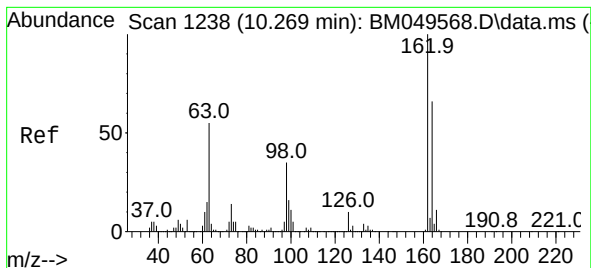
Tgt Ion:122 Resp: 81945
Ion Ratio Lower Upper
122 100
107 117.9 93.2 139.8
121 57.5 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 9.790 ng
RT: 10.033 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 93 Resp: 158931
Ion Ratio Lower Upper
93 100
95 32.2 25.2 37.8
123 11.2 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 8.153 ng

RT: 10.263 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

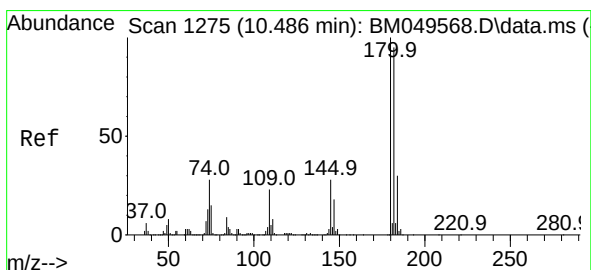
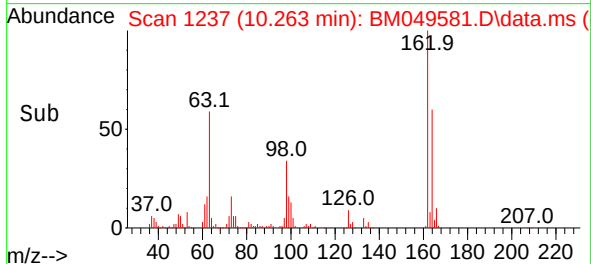
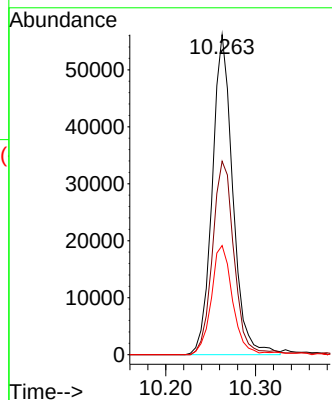
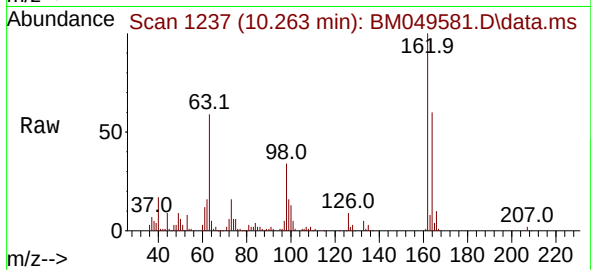
Tgt Ion:162 Resp: 89486

Ion Ratio Lower Upper

162 100

164 60.5 46.0 86.0

98 34.1 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 9.424 ng

RT: 10.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

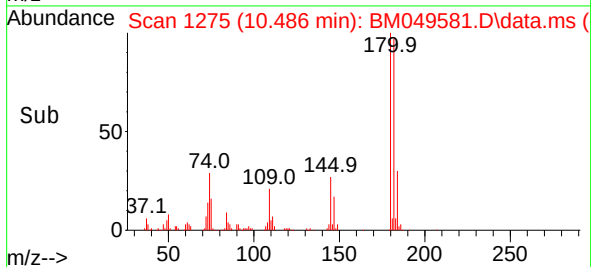
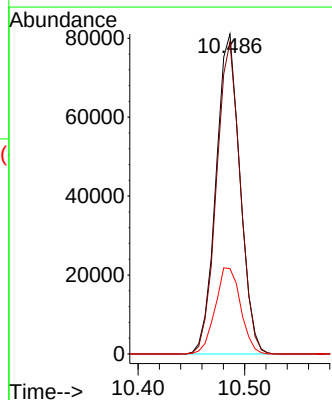
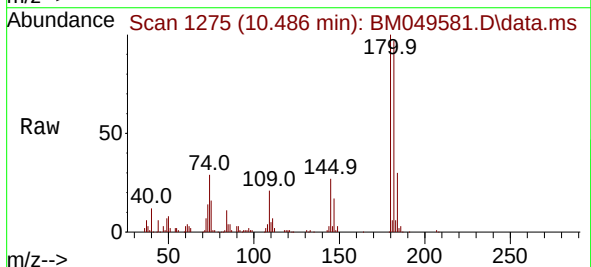
Tgt Ion:180 Resp: 126726

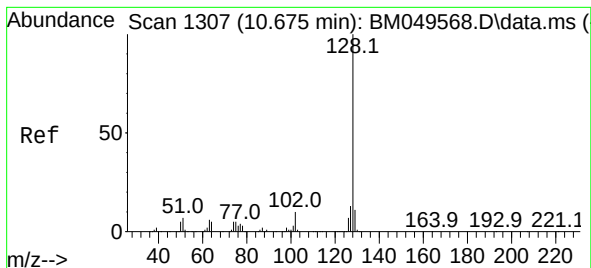
Ion Ratio Lower Upper

180 100

182 97.4 76.4 114.6

145 26.7 22.5 33.7





#31

Naphthalene

Concen: 9.503 ng

RT: 10.669 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

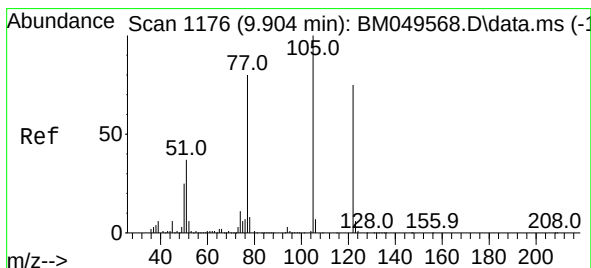
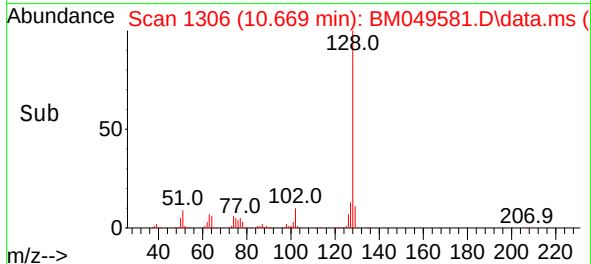
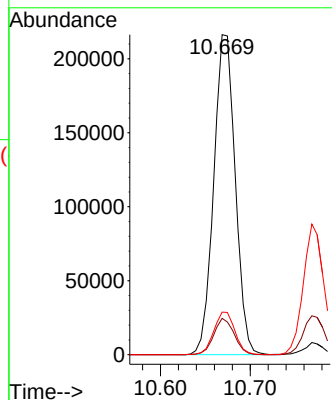
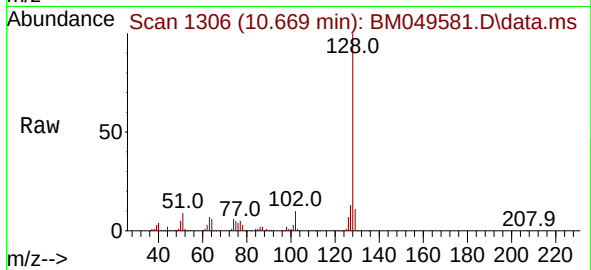
Tgt Ion:128 Resp: 360314

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

127 13.3 10.6 15.8



#32

Benzoic acid

Concen: 8.987 ng

RT: 9.845 min Scan# 1166

Delta R.T. -0.059 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

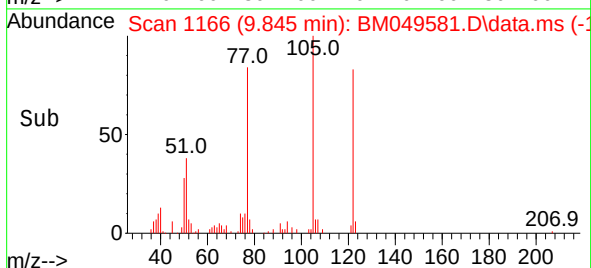
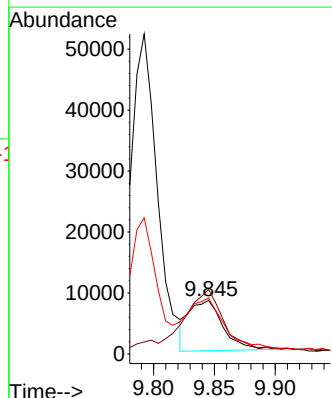
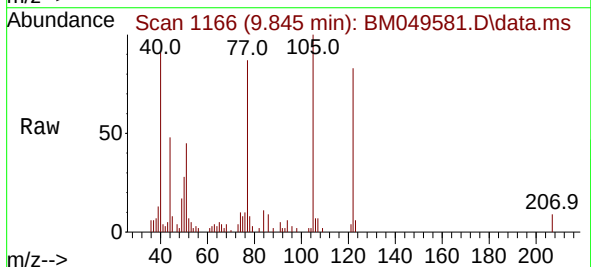
Tgt Ion:122 Resp: 16095

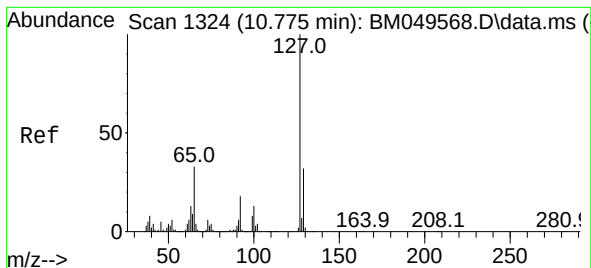
Ion Ratio Lower Upper

122 100

105 120.8 103.6 143.6

77 104.7 82.4 122.4





#33

4-Chloroaniline

Concen: 10.047 ng

RT: 10.769 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:127 Resp: 142593

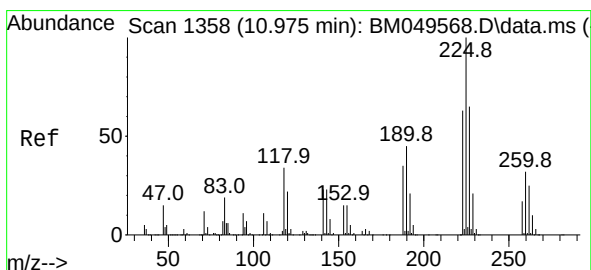
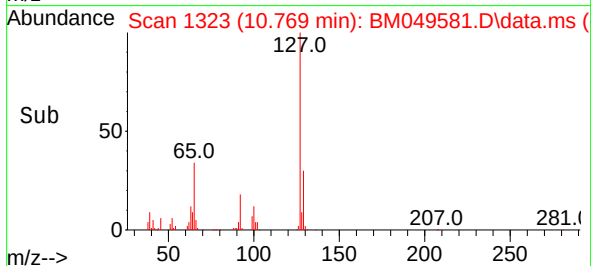
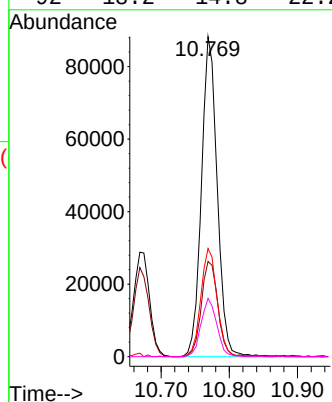
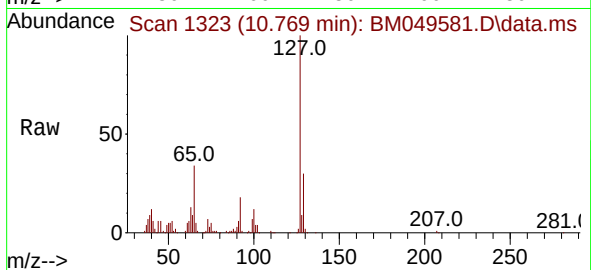
Ion Ratio Lower Upper

127 100

129 29.7 25.8 38.8

65 33.8 26.4 39.6

92 18.2 14.8 22.2



#34

Hexachlorobutadiene

Concen: 9.685 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

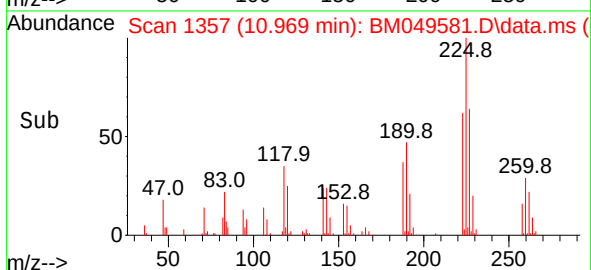
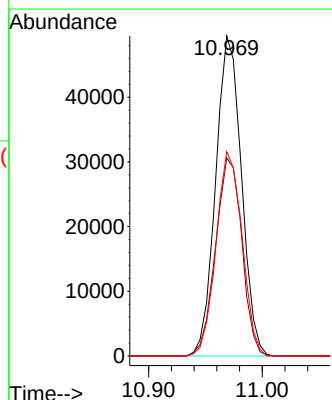
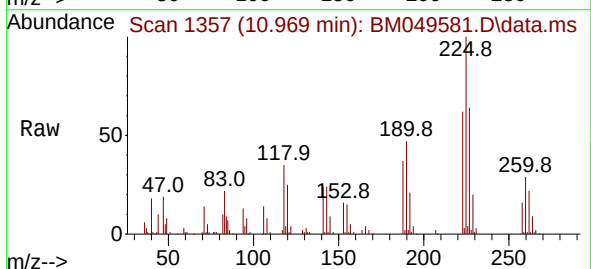
Tgt Ion:225 Resp: 77996

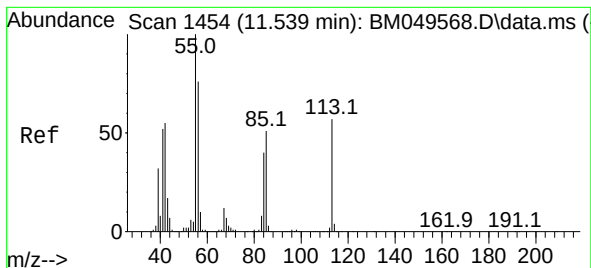
Ion Ratio Lower Upper

225 100

223 61.9 50.6 75.8

227 63.9 51.8 77.6





#35

Caprolactam

Concen: 7.823 ng

RT: 11.516 min Scan# 1450

Delta R.T. -0.024 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

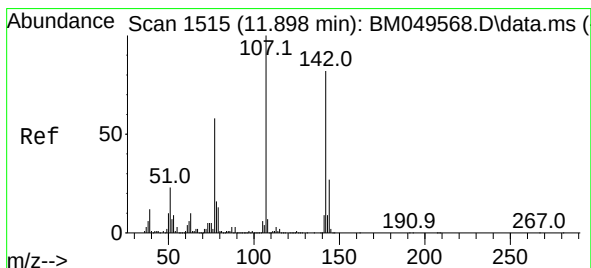
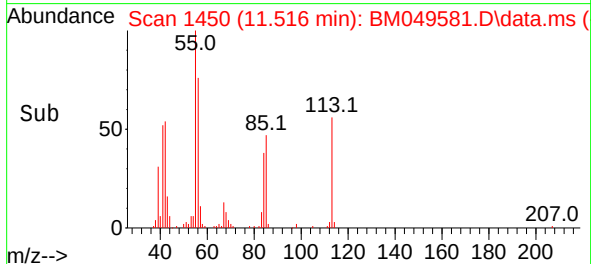
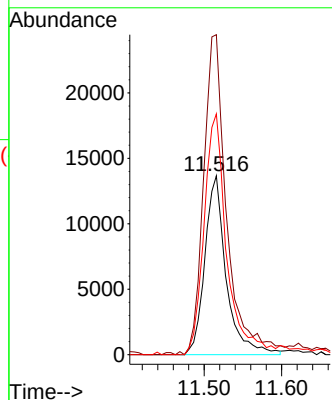
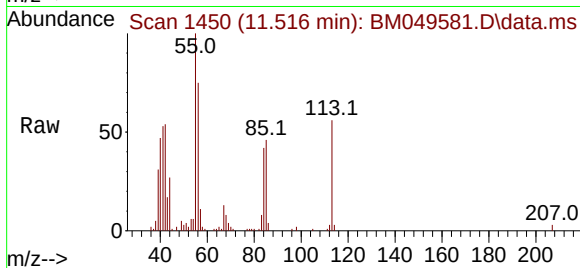
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:113	Resp:	26195
Ion Ratio	Lower	Upper
113	100	
55	178.9	157.5 197.5
56	134.7	114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 8.020 ng

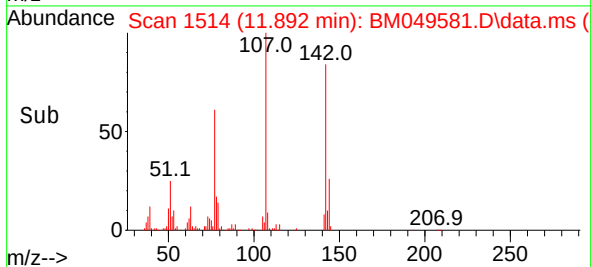
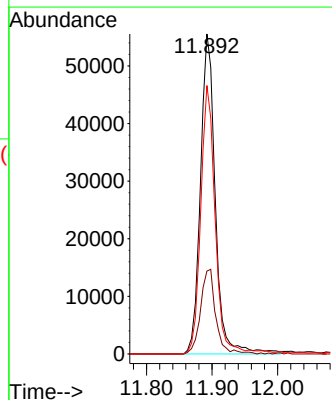
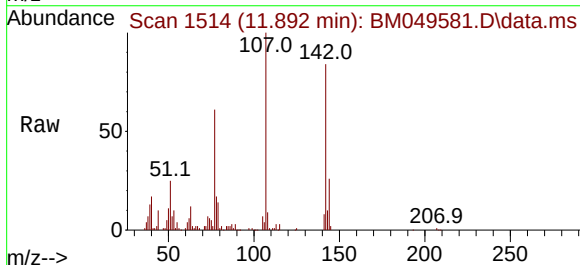
RT: 11.892 min Scan# 1514

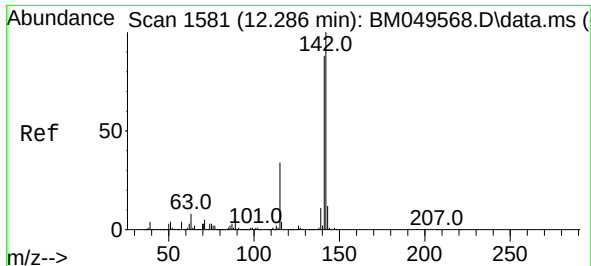
Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Tgt Ion:107	Resp:	87793
Ion Ratio	Lower	Upper
107	100	
144	25.9	21.2 31.8
142	83.9	65.4 98.2

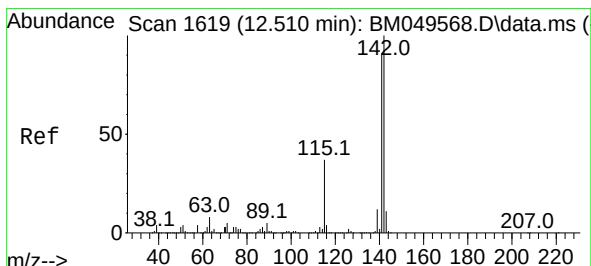
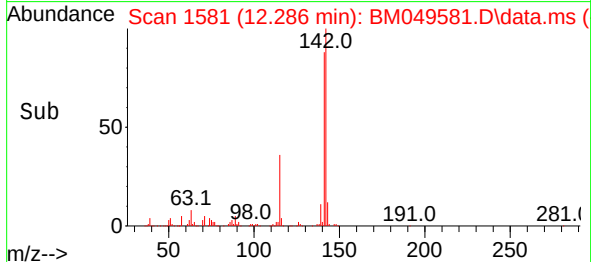
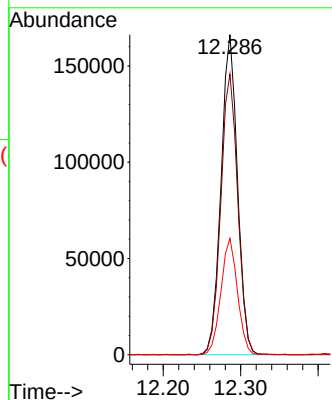
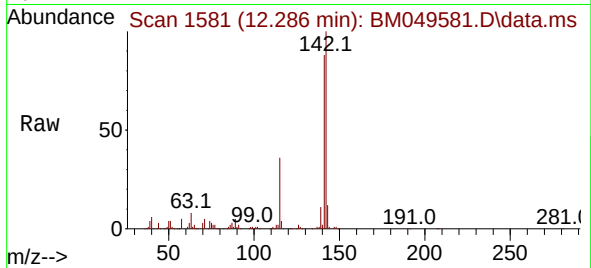




#37
2-Methylnaphthalene
Concen: 9.219 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

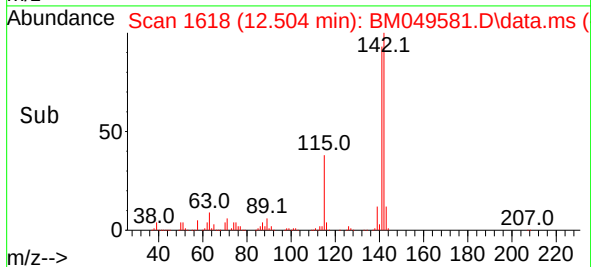
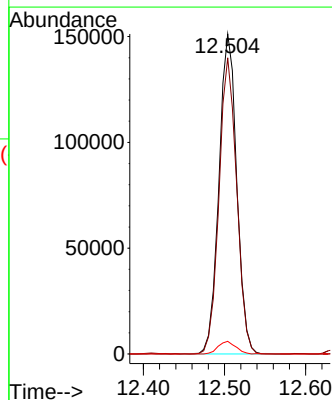
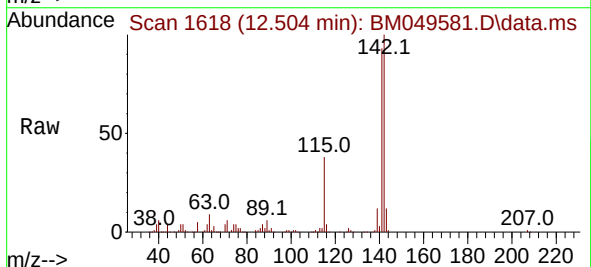
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

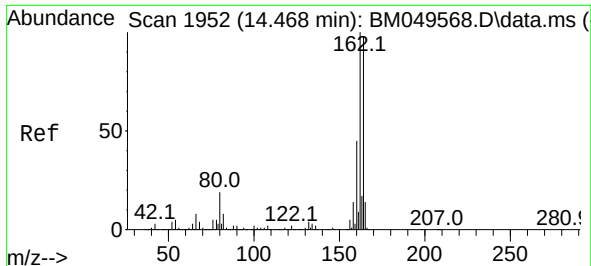
Tgt Ion:142 Resp: 246106
Ion Ratio Lower Upper
142 100
141 87.7 70.2 105.4
115 36.4 27.5 41.3



#38
1-Methylnaphthalene
Concen: 8.871 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:142 Resp: 230412
Ion Ratio Lower Upper
142 100
141 92.6 73.1 109.7
116 3.9 3.1 4.7

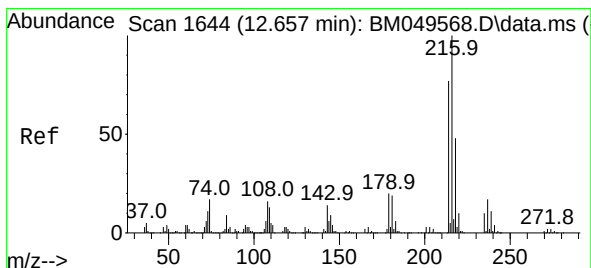
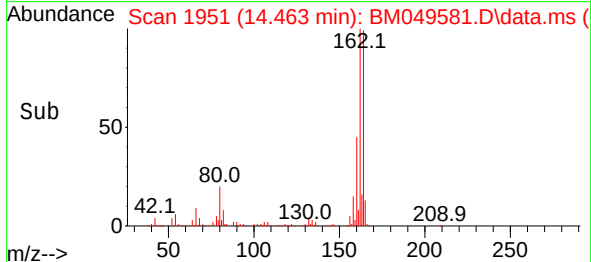
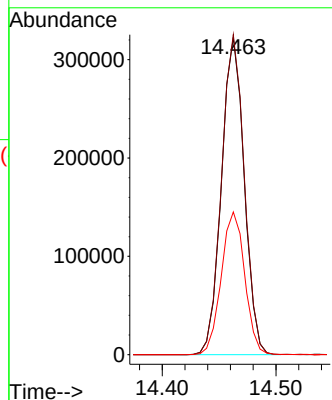
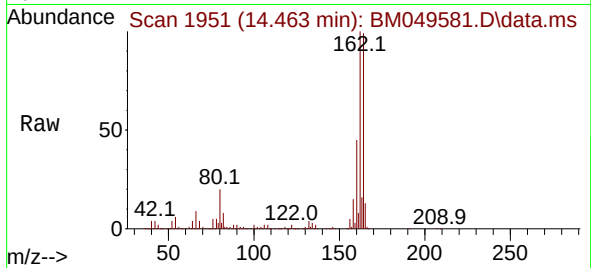




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

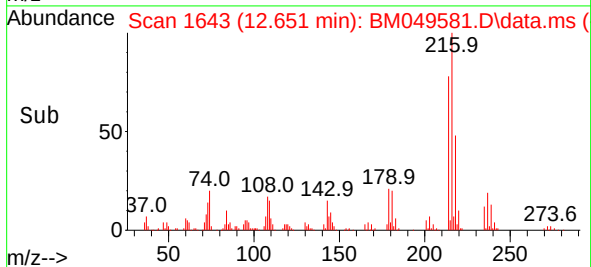
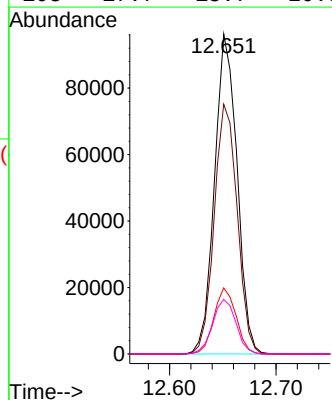
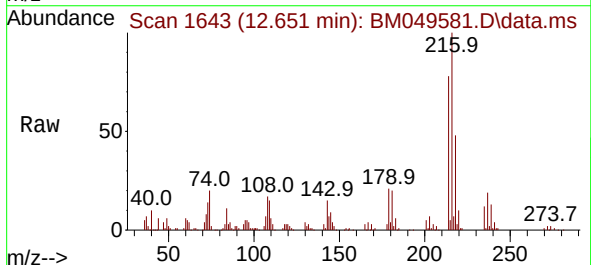
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

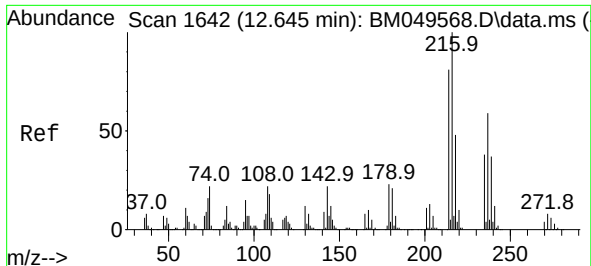
Tgt Ion:164 Resp: 448375
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 45.0 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.586 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:216 Resp: 141315
Ion Ratio Lower Upper
216 100
214 79.6 62.4 93.6
179 20.3 16.3 24.5
108 17.7 13.7 20.5

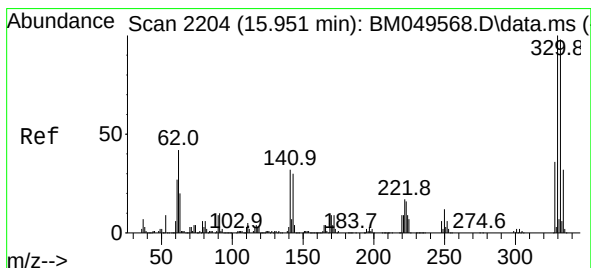
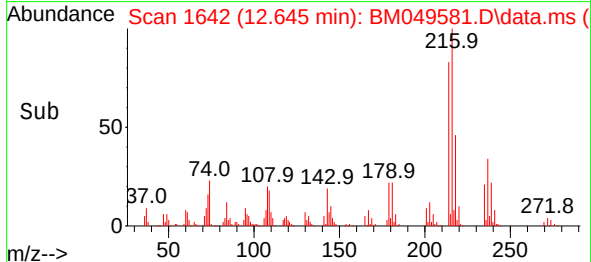
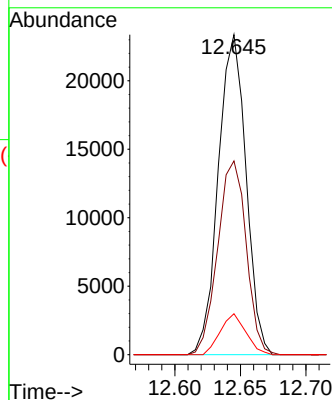
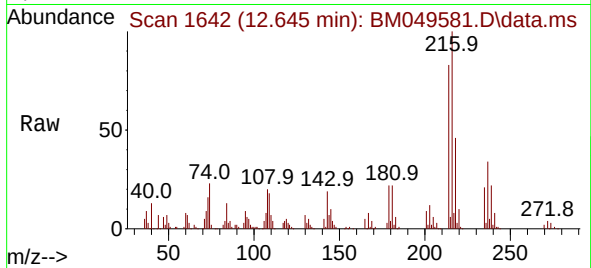




#41
Hexachlorocyclopentadiene
Concen: 9.121 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

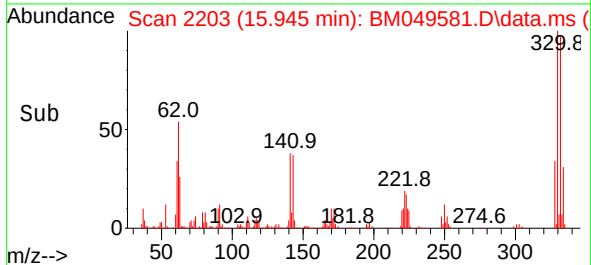
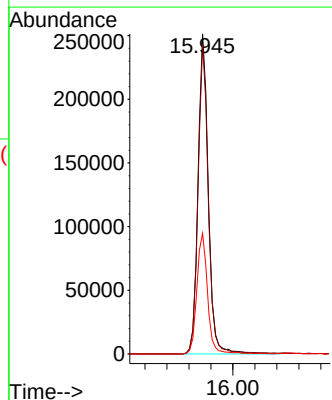
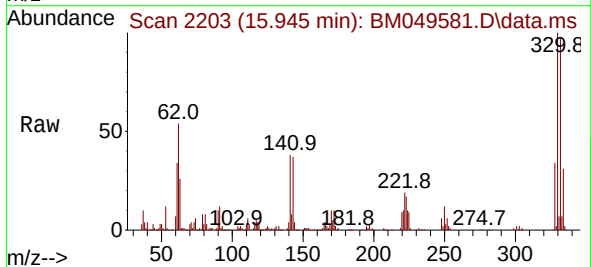
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

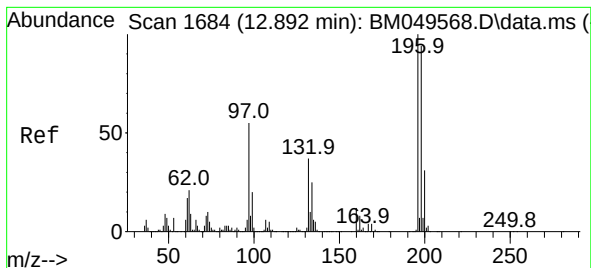
Tgt Ion:237	Resp:	34324
Ion Ratio	Lower	Upper
237	100	
235	60.6	43.8 83.8
272	12.8	0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 61.967 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:330	Resp:	329224
Ion Ratio	Lower	Upper
330	100	
332	96.1	77.3 115.9
141	39.2	28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 7.282 ng

RT: 12.892 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

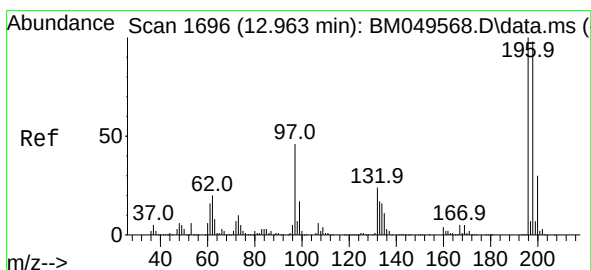
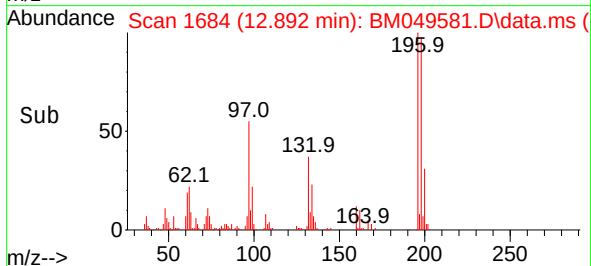
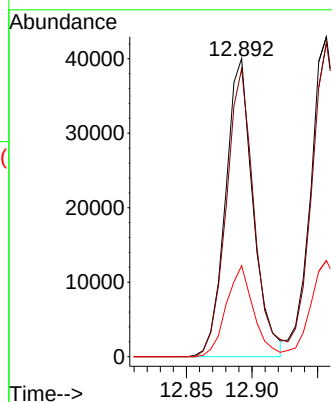
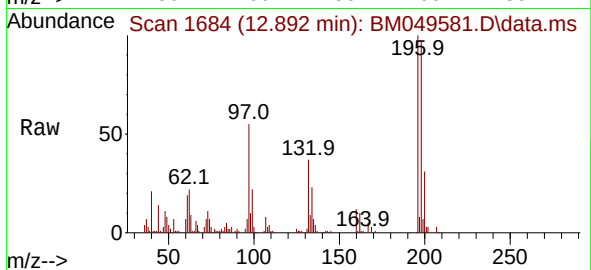
Tgt Ion:196 Resp: 58582

Ion Ratio Lower Upper

196 100

198 96.5 75.4 113.0

200 30.5 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 8.038 ng

RT: 12.957 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Tgt Ion:196 Resp: 71060

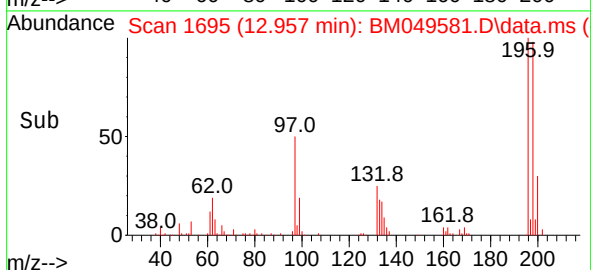
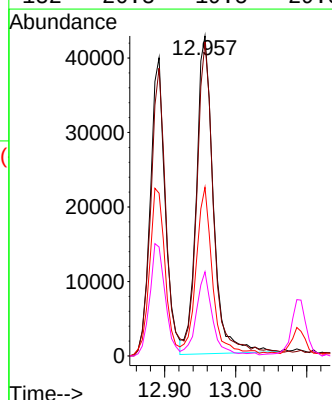
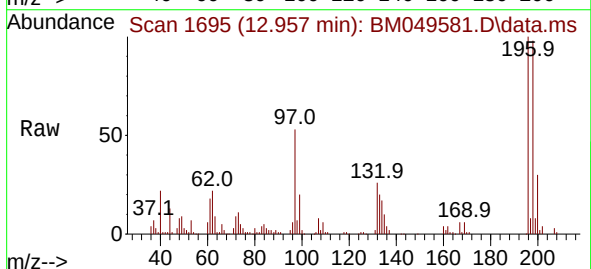
Ion Ratio Lower Upper

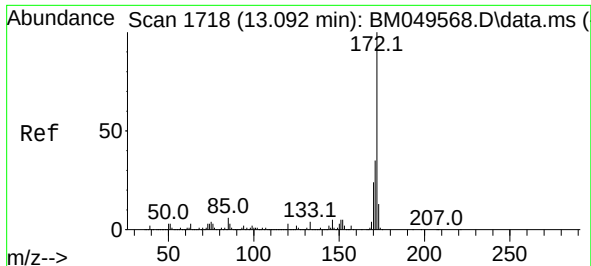
196 100

198 98.1 78.4 117.6

97 52.7 37.4 56.0

132 26.3 19.5 29.3

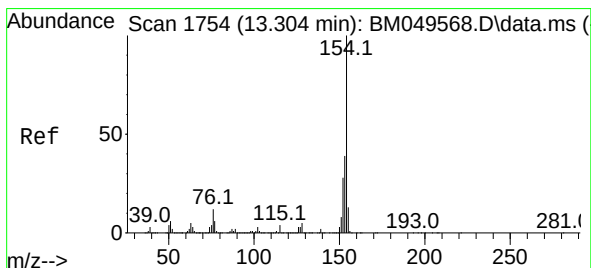
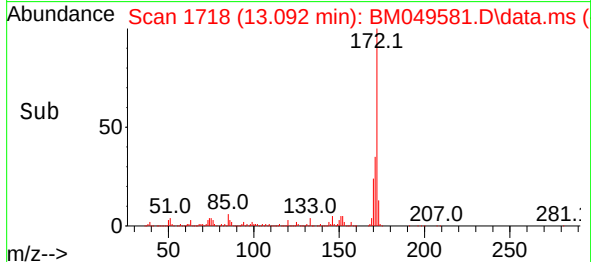
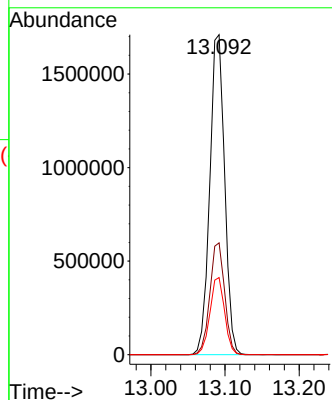
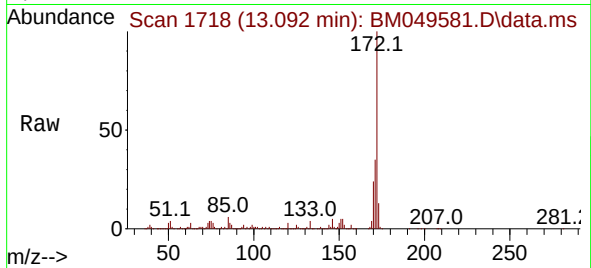




#45
2-Fluorobiphenyl
Concen: 68.796 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

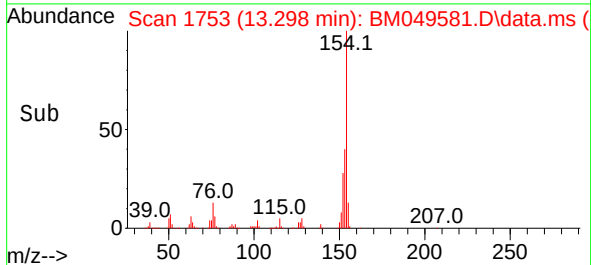
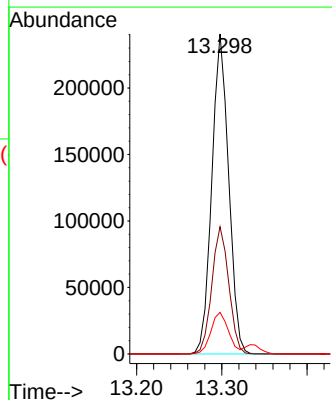
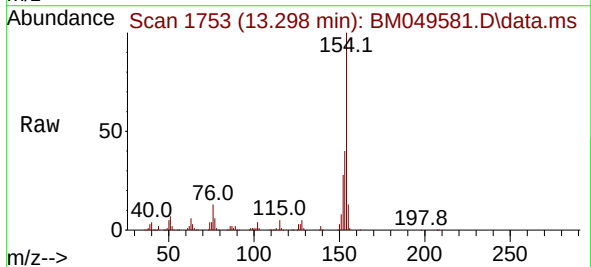
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

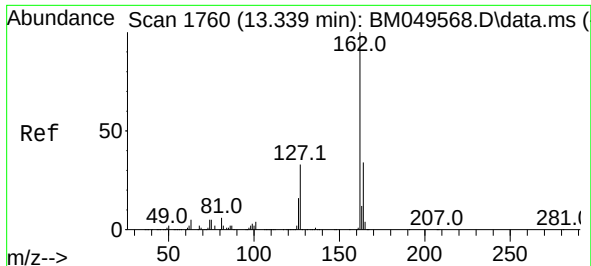
Tgt Ion:172 Resp: 2381114
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.1 19.0 28.4



#46
1,1'-Biphenyl
Concen: 9.637 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:154 Resp: 329620
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 13.0 0.0 32.1

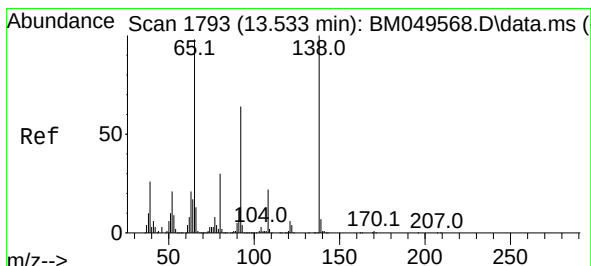
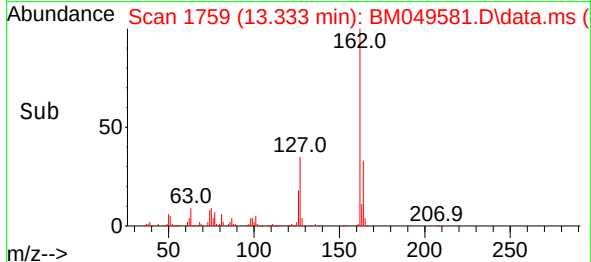
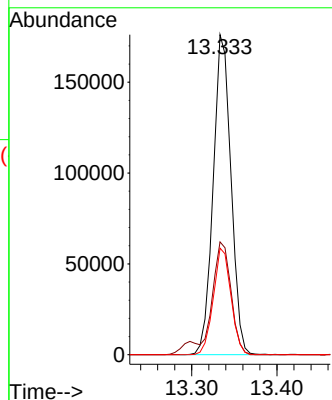
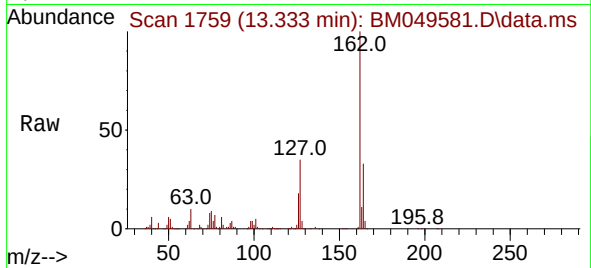




#47
2-Chloronaphthalene
Concen: 9.669 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

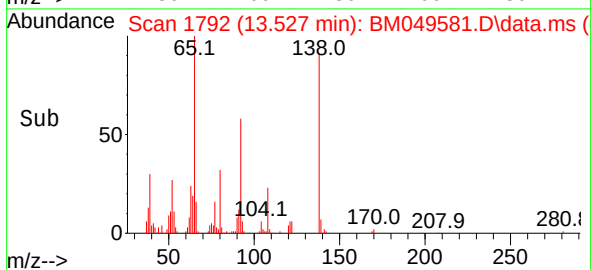
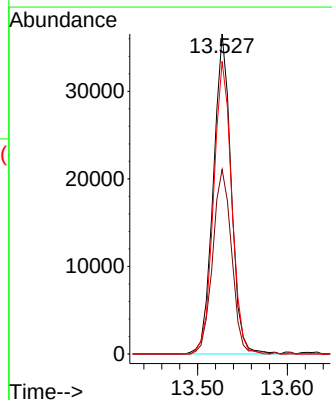
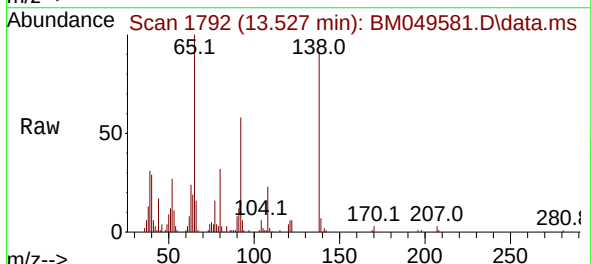
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

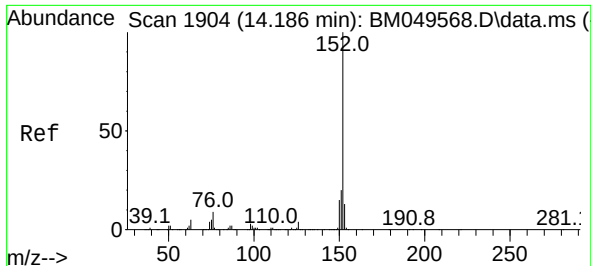
Tgt Ion:162 Resp: 255881
Ion Ratio Lower Upper
162 100
127 35.3 27.9 41.9
164 33.3 26.8 40.2



#48
2-Nitroaniline
Concen: 8.303 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 65 Resp: 50417
Ion Ratio Lower Upper
65 100
92 57.7 52.0 78.0
138 91.4 81.6 122.4

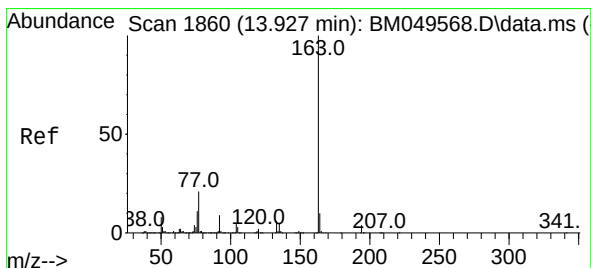
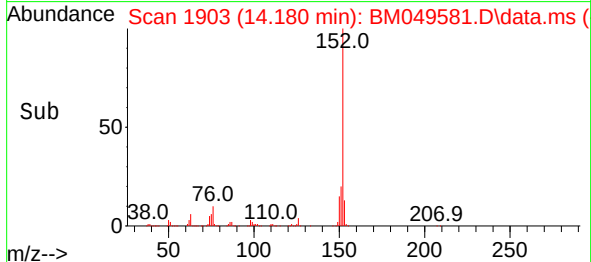
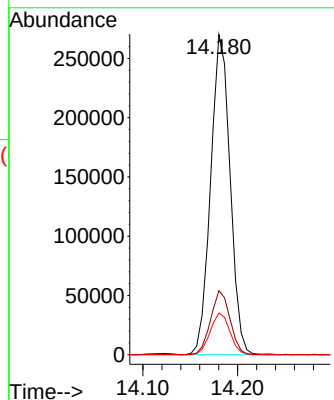
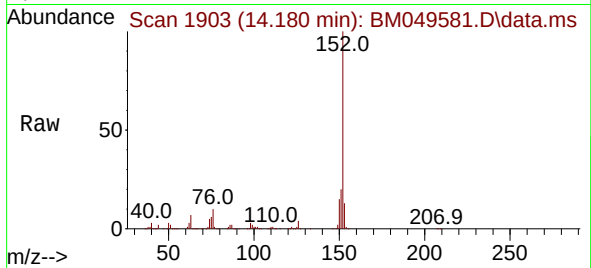




#49
Acenaphthylene
Concen: 9.860 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

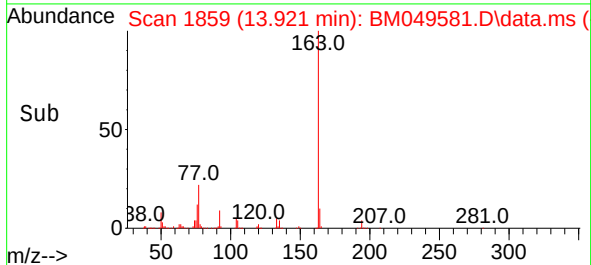
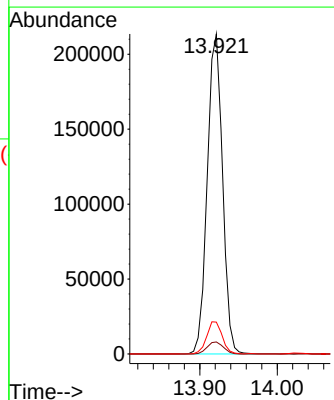
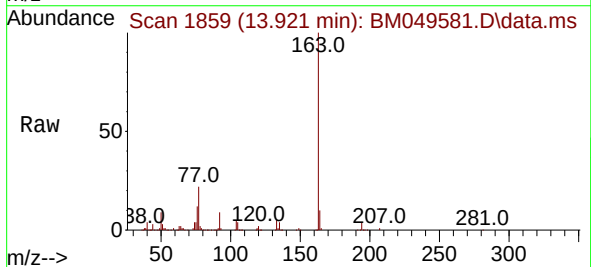
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

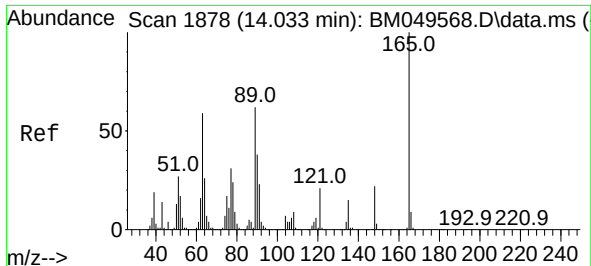
Tgt Ion:152 Resp: 384748
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.0 10.6 16.0



#50
Dimethylphthalate
Concen: 9.078 ng
RT: 13.921 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:163 Resp: 292313
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 8.660 ng

RT: 14.027 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

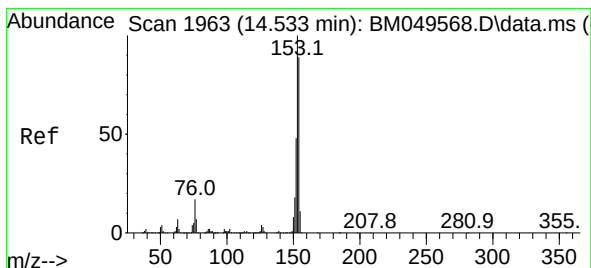
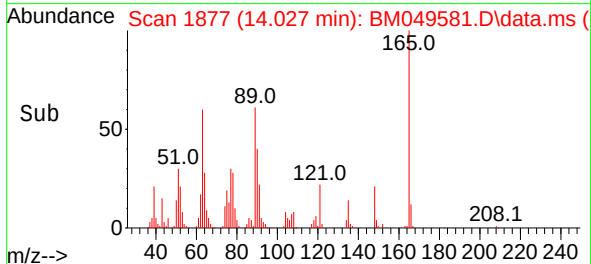
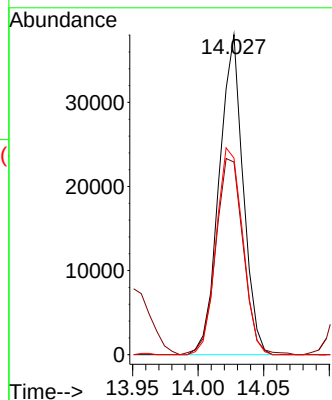
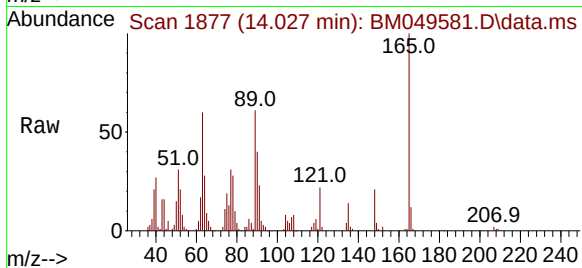
Tgt Ion:165 Resp: 48252

Ion Ratio Lower Upper

165 100

63 60.2 47.8 71.6

89 61.5 49.2 73.8



#52

Acenaphthene

Concen: 9.150 ng

RT: 14.527 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

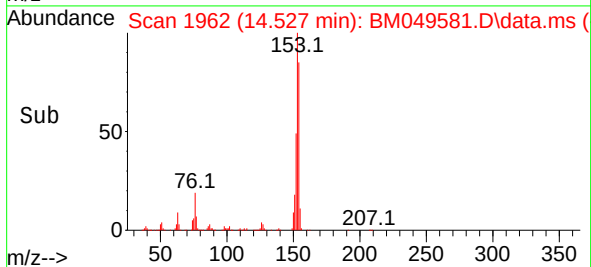
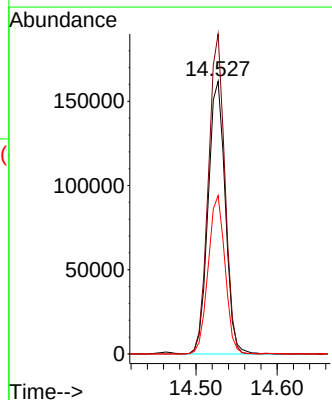
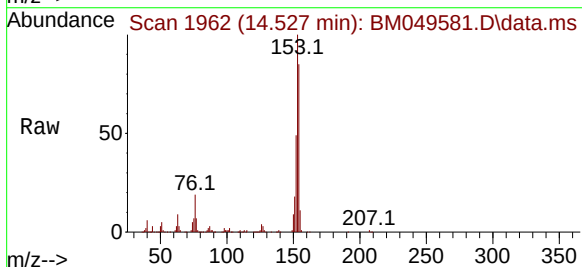
Tgt Ion:154 Resp: 236998

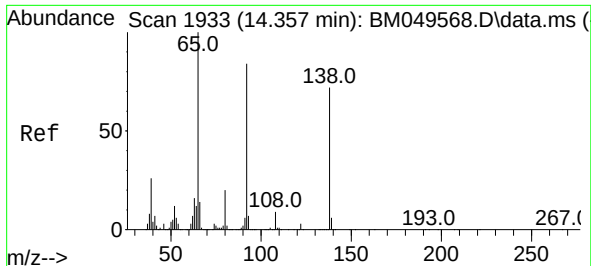
Ion Ratio Lower Upper

154 100

153 117.4 90.0 135.0

152 58.1 43.0 64.4

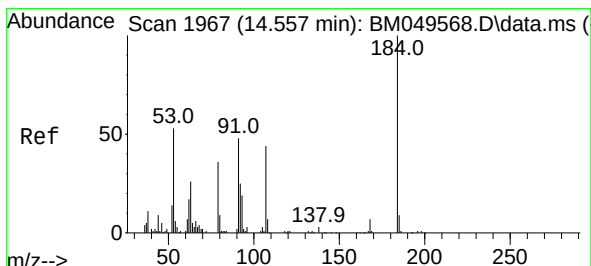
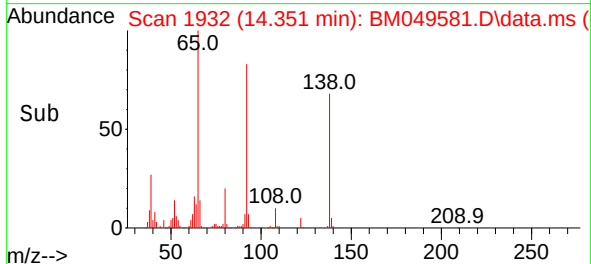
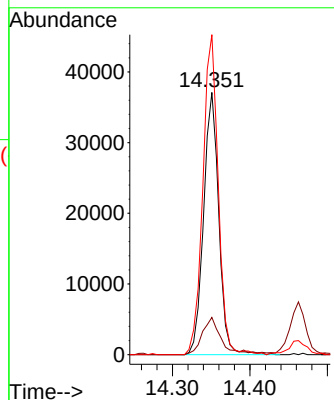
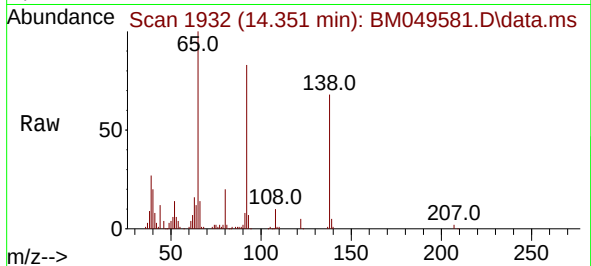




#53
3-Nitroaniline
Concen: 8.908 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

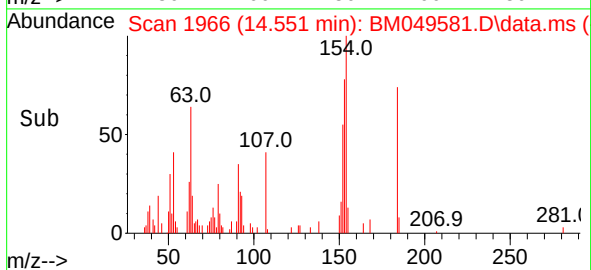
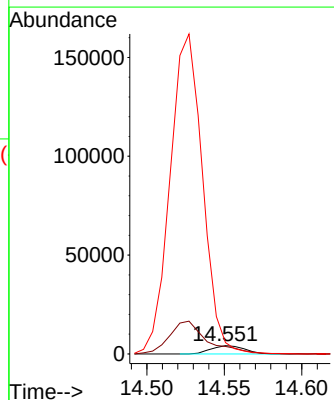
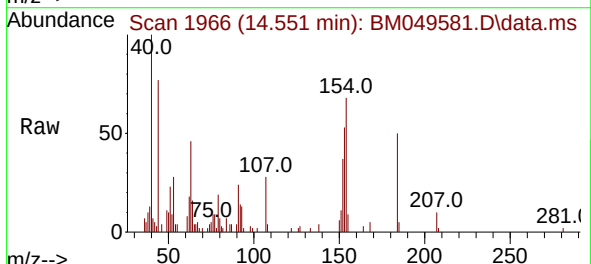
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

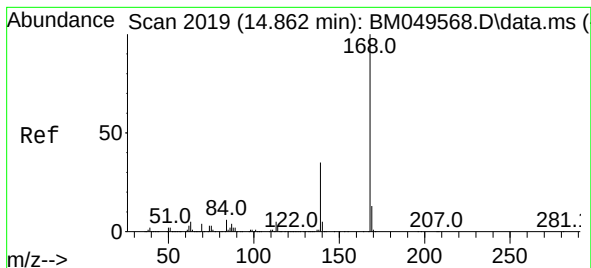
Tgt Ion:138 Resp: 50535
Ion Ratio Lower Upper
138 100
108 14.2 10.3 15.5
92 122.0 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 9.487 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:184 Resp: 6308
Ion Ratio Lower Upper
184 100
63 90.8 60.2 90.4#
154 135.3 78.2 117.4#





#55

Dibenzenofuran

Concen: 9.326 ng

RT: 14.863 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

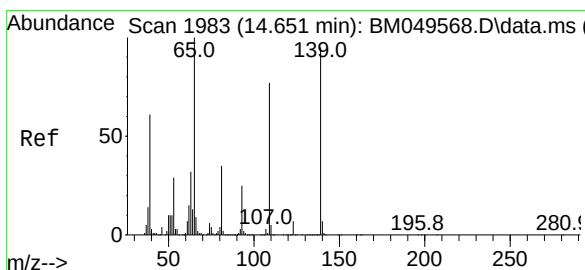
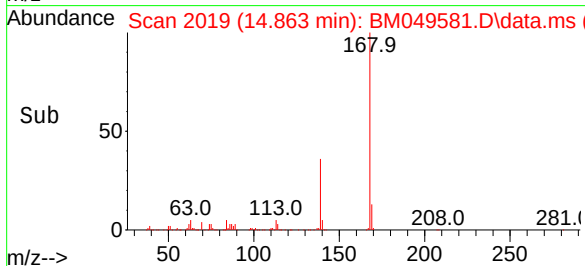
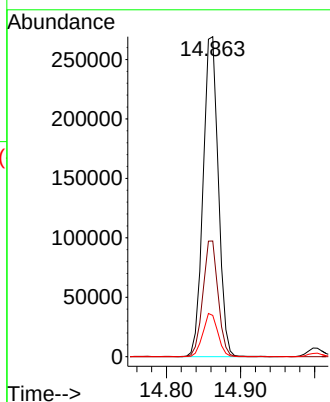
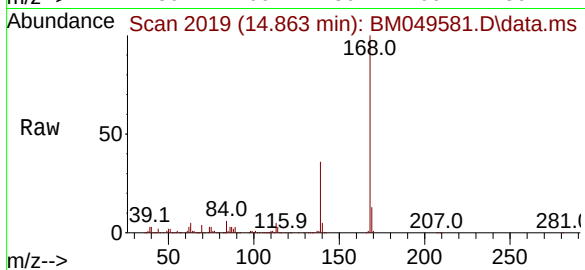
Tgt Ion:168 Resp: 384619

Ion Ratio Lower Upper

168 100

139 36.1 28.4 42.6

169 12.9 10.8 16.2



#56

4-Nitrophenol

Concen: 6.340 ng

RT: 14.645 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

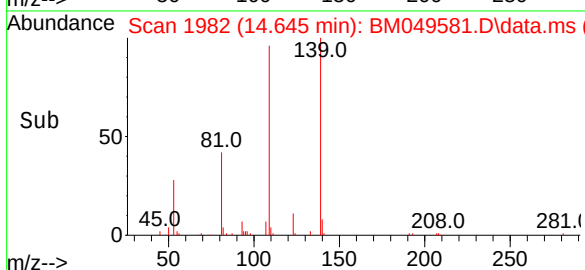
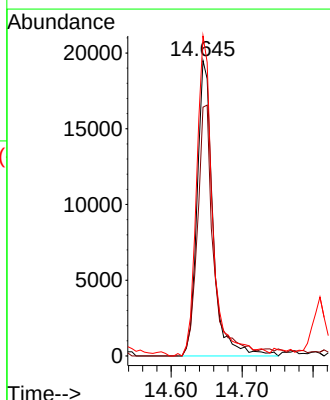
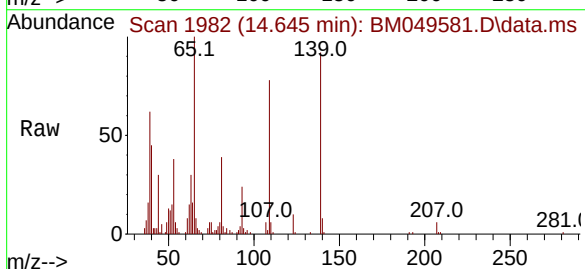
Tgt Ion:139 Resp: 30316

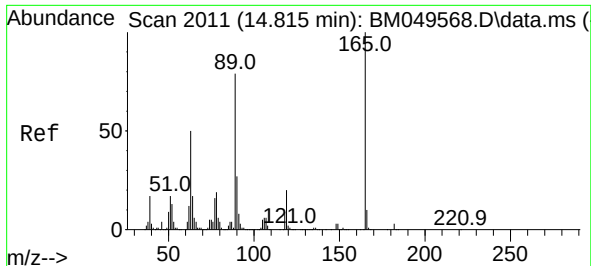
Ion Ratio Lower Upper

139 100

109 84.2 61.4 101.4

65 108.3 85.6 125.6

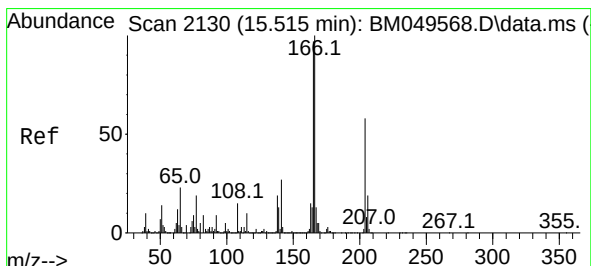
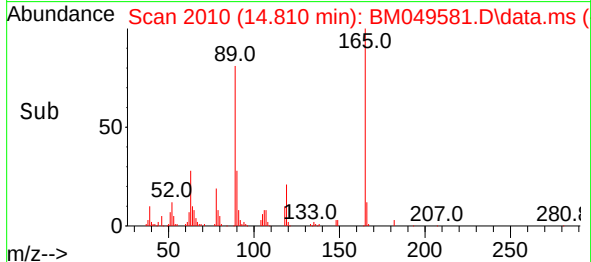
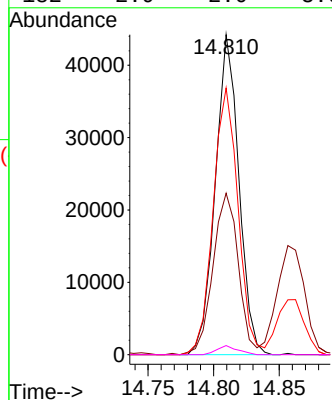
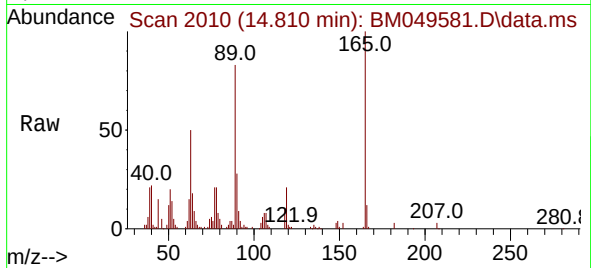




#57
2,4-Dinitrotoluene
Concen: 10.514 ng
RT: 14.810 min Scan# 210
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

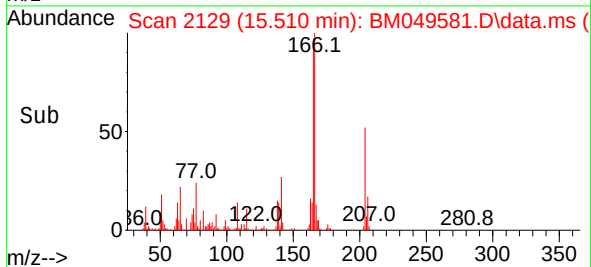
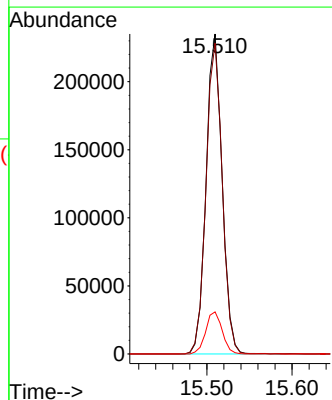
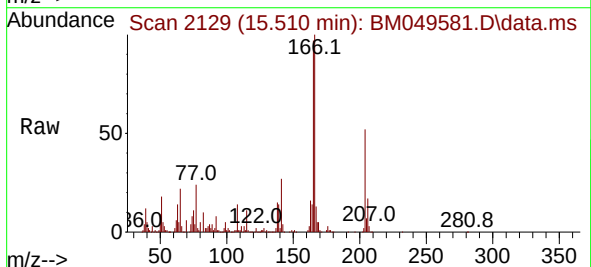
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

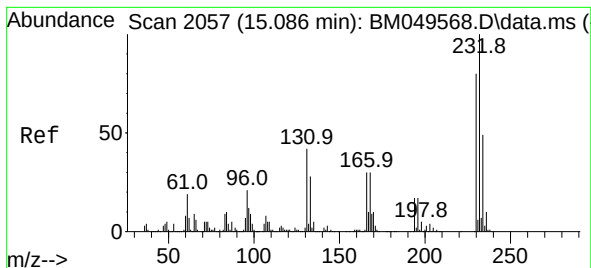
Tgt Ion:165 Resp: 55304
Ion Ratio Lower Upper
165 100
63 50.5 39.8 59.6
89 83.4 63.5 95.3
182 2.9 2.0 3.0



#58
Fluorene
Concen: 8.712 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:166 Resp: 307368
Ion Ratio Lower Upper
166 100
165 97.1 77.7 116.5
167 13.2 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.613 ng

RT: 15.080 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BM049581.D

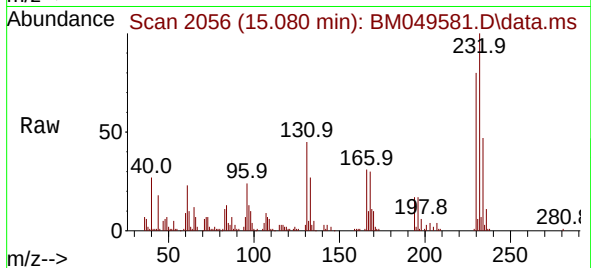
Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:232 Resp: 56857

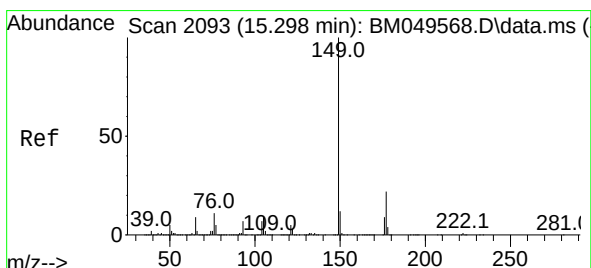
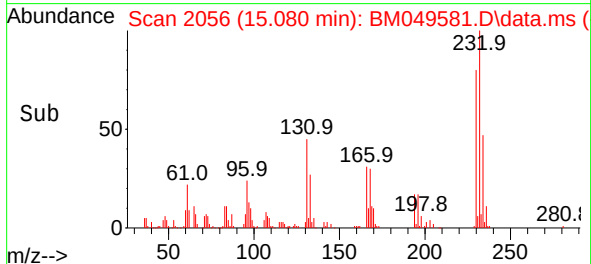
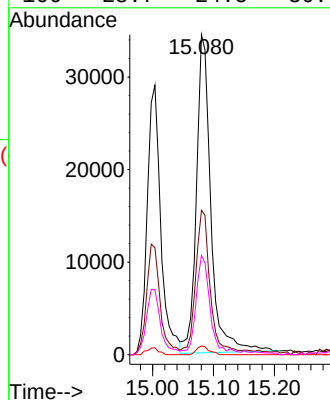
Ion Ratio Lower Upper

232 100

131 42.5 34.5 51.7

130 2.4 1.9 2.9

166 28.7 24.5 36.7



#60

Diethylphthalate

Concen: 8.693 ng

RT: 15.286 min Scan# 2091

Delta R.T. -0.012 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

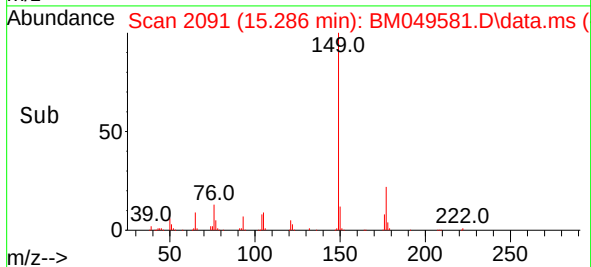
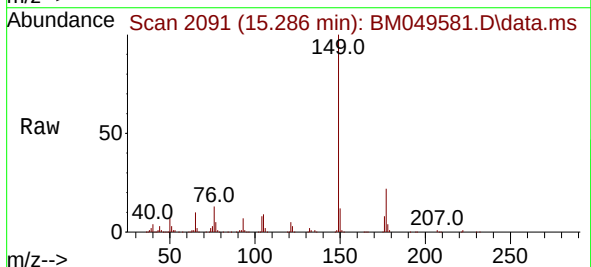
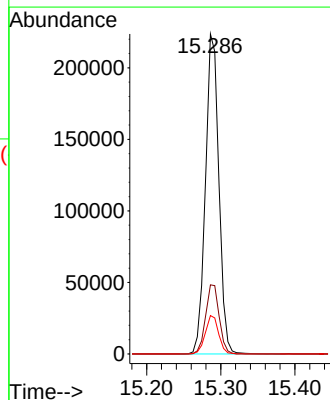
Tgt Ion:149 Resp: 281300

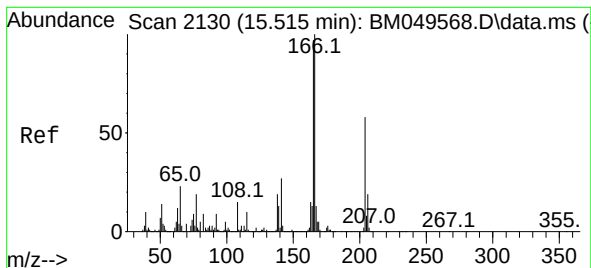
Ion Ratio Lower Upper

149 100

177 21.6 18.0 27.0

150 12.0 9.7 14.5

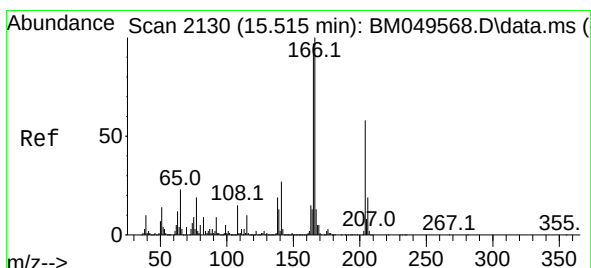
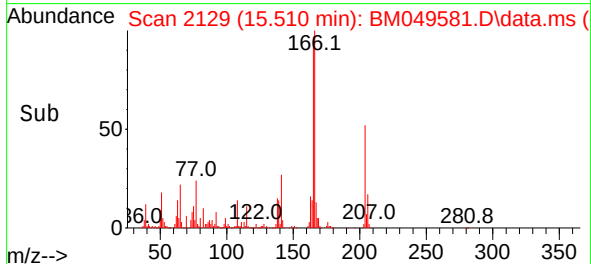
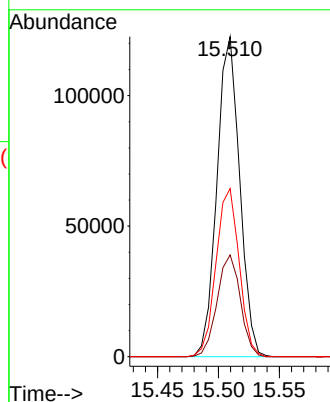
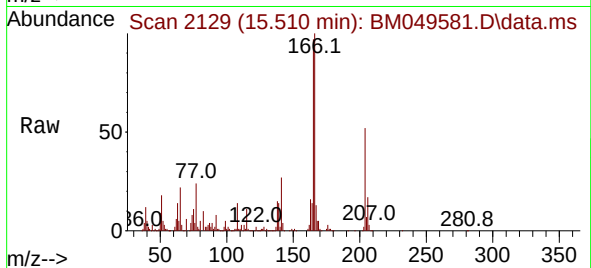




#61
4-Chlorophenyl-phenylether
Concen: 8.488 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

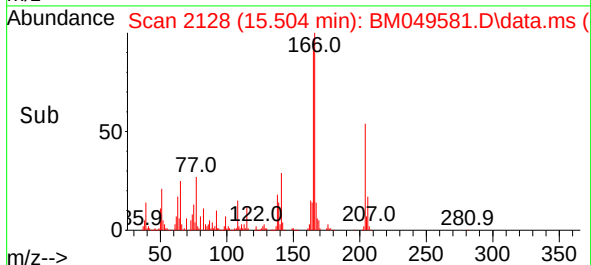
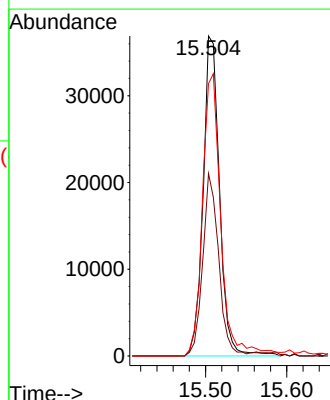
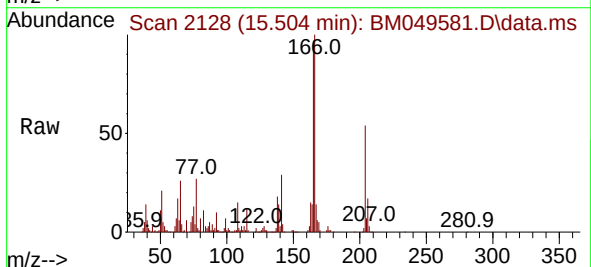
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

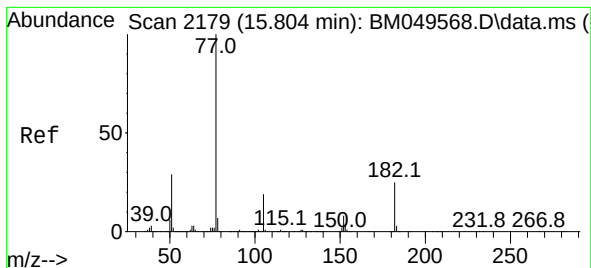
Tgt Ion:204 Resp: 159406
Ion Ratio Lower Upper
204 100
206 31.8 26.0 39.0
141 52.6 37.1 55.7



#62
4-Nitroaniline
Concen: 8.157 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.011 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:138 Resp: 51820
Ion Ratio Lower Upper
138 100
92 57.0 29.3 69.3
108 85.1 60.1 100.1





#63

Azobenzene

Concen: 9.759 ng

RT: 15.798 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 77 Resp: 329625

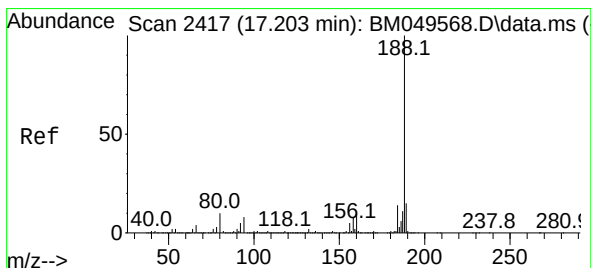
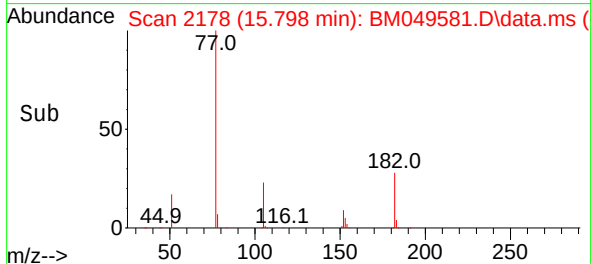
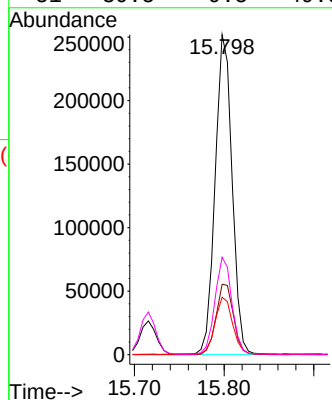
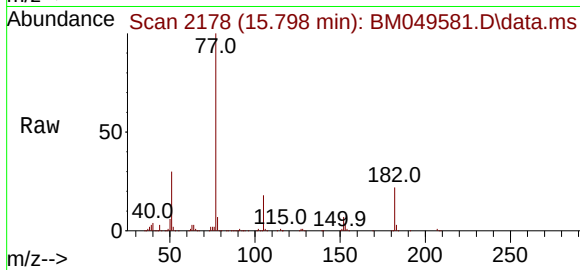
Ion Ratio Lower Upper

77 100

182 22.0 4.7 44.7

105 17.9 0.0 39.3

51 30.5 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: BM049581.D

Acq: 06 Feb 2025 15:16

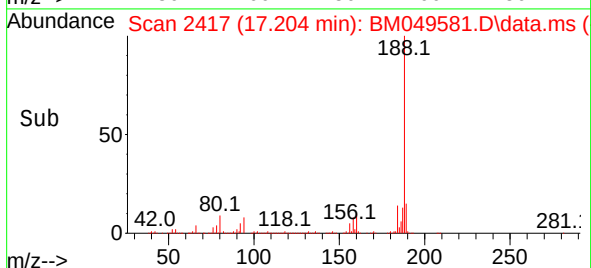
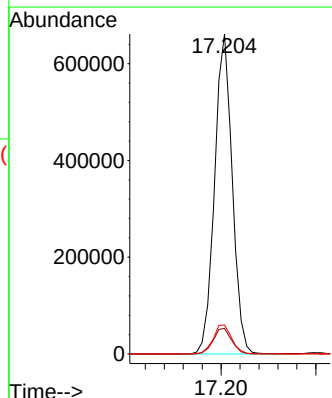
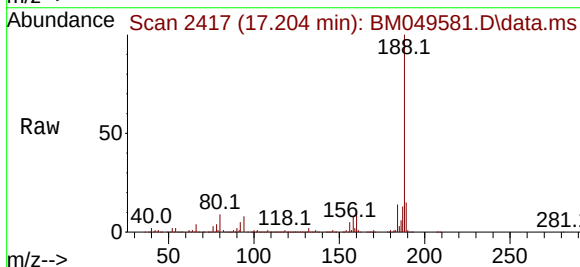
Tgt Ion:188 Resp: 855333

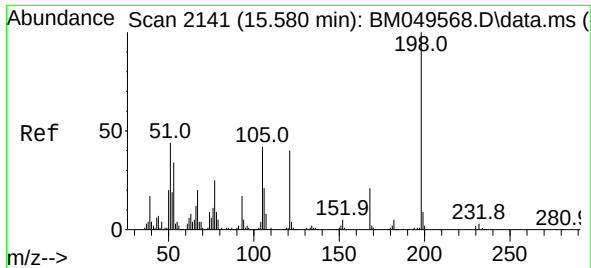
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 9.1 7.7 11.5

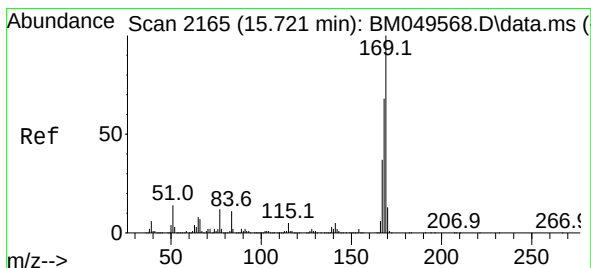
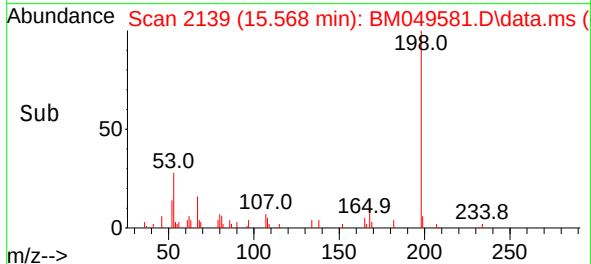
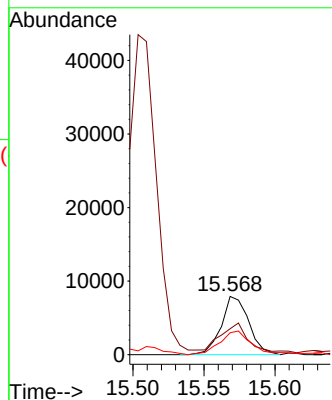
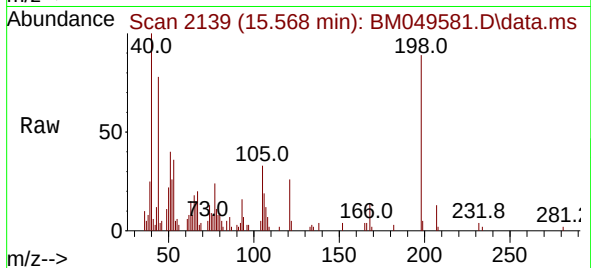




#65
4,6-Dinitro-2-methylphenol
Concen: 9.791 ng
RT: 15.568 min Scan# 2139
Delta R.T. -0.012 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

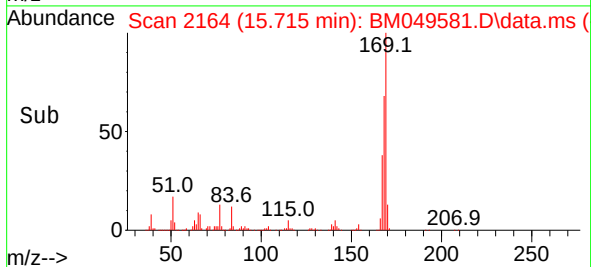
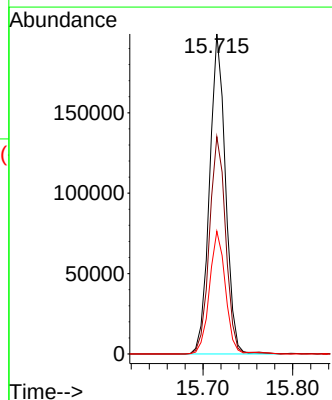
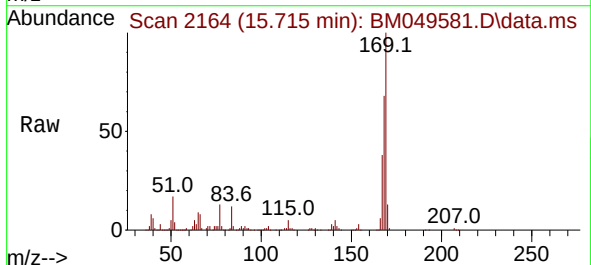
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

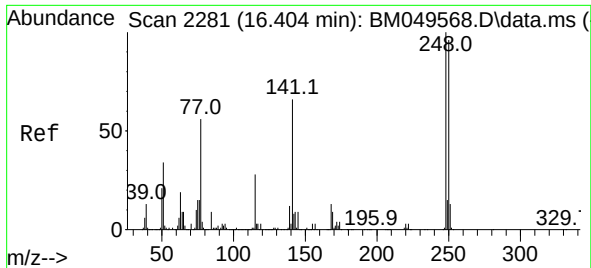
Tgt Ion	Ratio	Lower	Upper
198	100		
51	44.5	26.9	66.9
105	37.6	22.8	62.8



#66
n-Nitrosodiphenylamine
Concen: 9.075 ng
RT: 15.715 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	54.2	81.4
167	38.3	29.5	44.3

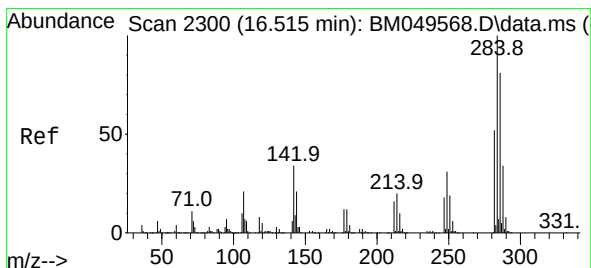
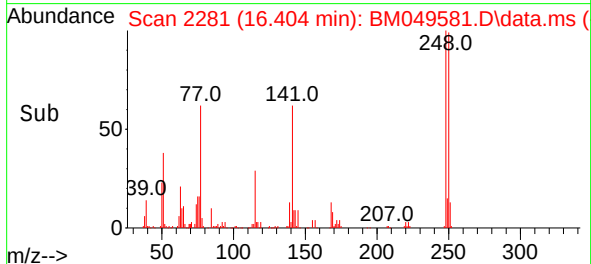
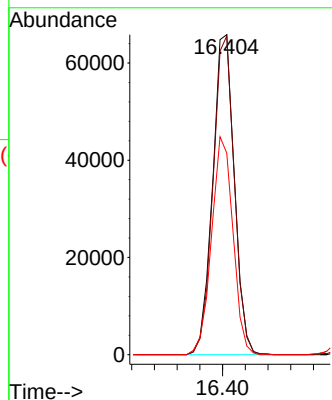
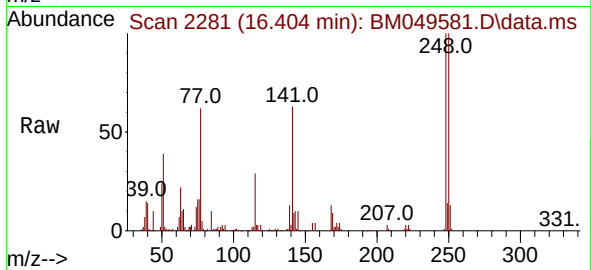




#67
4-Bromophenyl-phenylether
Concen: 8.795 ng
RT: 16.404 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

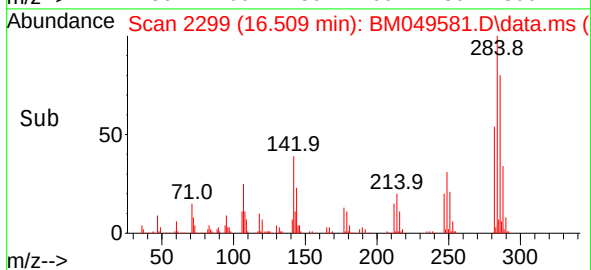
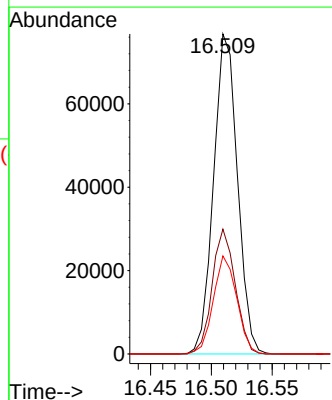
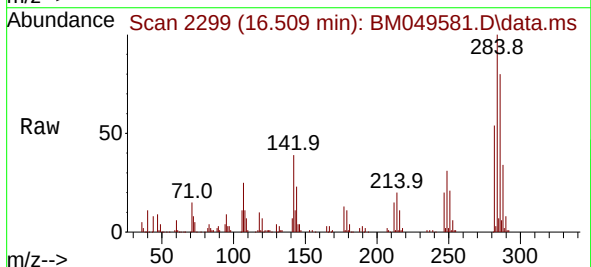
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

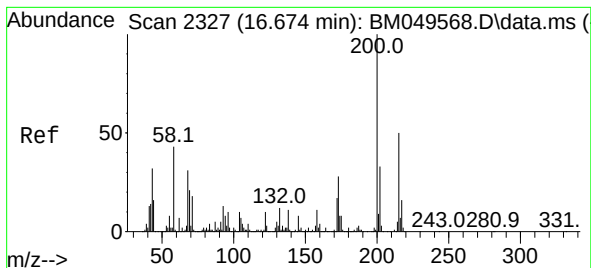
Tgt Ion:248 Resp: 87390
Ion Ratio Lower Upper
248 100
250 99.6 77.0 115.4
141 63.0 53.0 79.4



#68
Hexachlorobenzene
Concen: 9.175 ng
RT: 16.509 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:284 Resp: 104643
Ion Ratio Lower Upper
284 100
142 39.0 27.1 40.7
249 30.6 24.6 36.8





#69

Atrazine

Concen: 9.183 ng

RT: 16.668 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

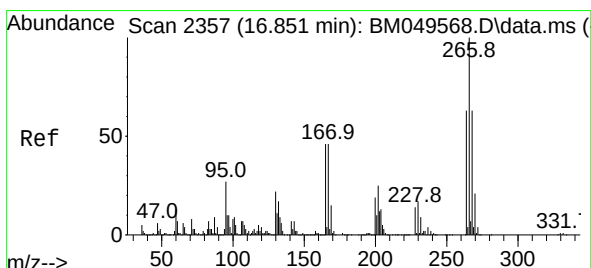
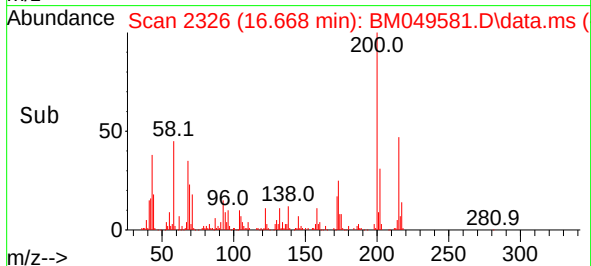
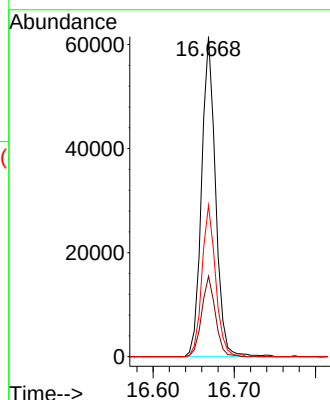
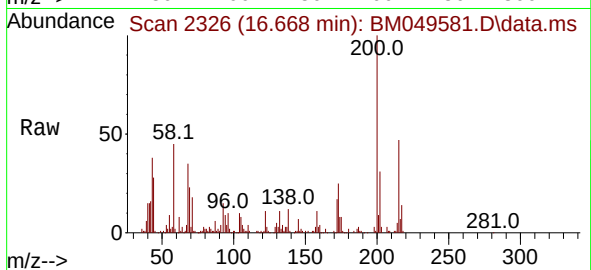
Tgt Ion:200 Resp: 73636

Ion Ratio Lower Upper

200 100

173 25.2 7.6 47.6

215 47.3 30.2 70.2



#70

Pentachlorophenol

Concen: 11.285 ng

RT: 16.851 min Scan# 2357

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

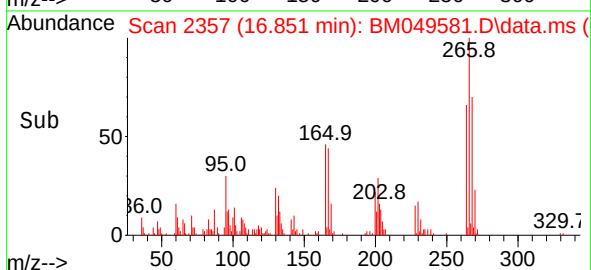
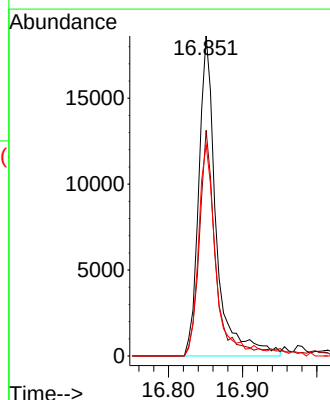
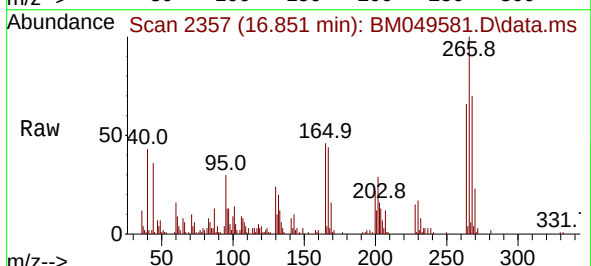
Tgt Ion:266 Resp: 30433

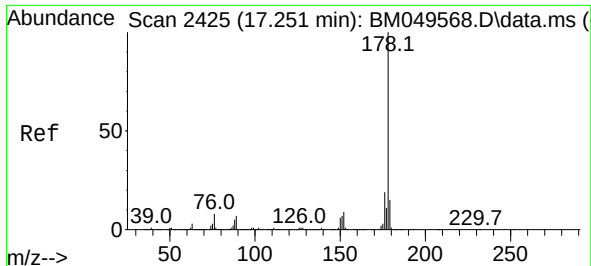
Ion Ratio Lower Upper

266 100

268 70.5 50.8 76.2

264 66.0 50.0 75.0

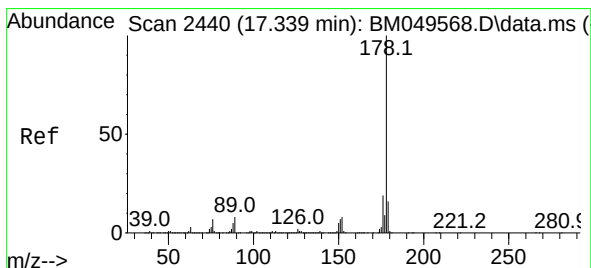
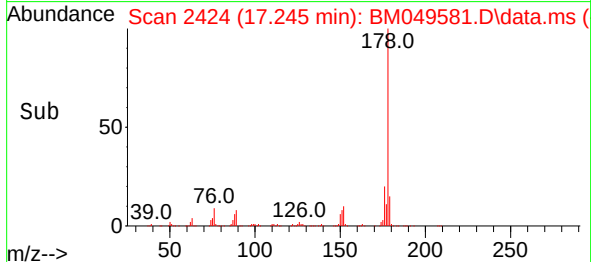
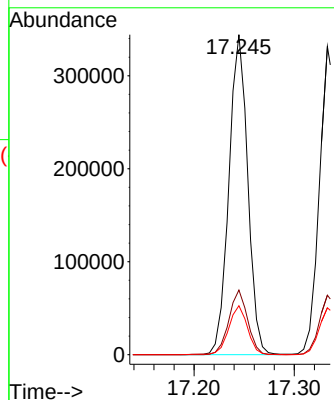
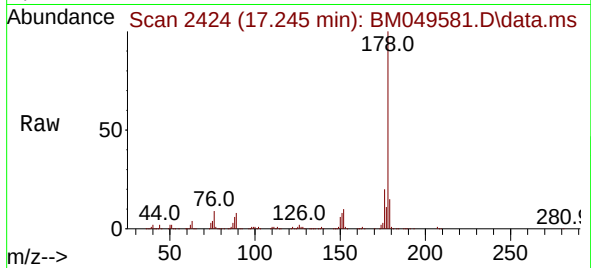




#71
Phenanthrene
Concen: 9.226 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

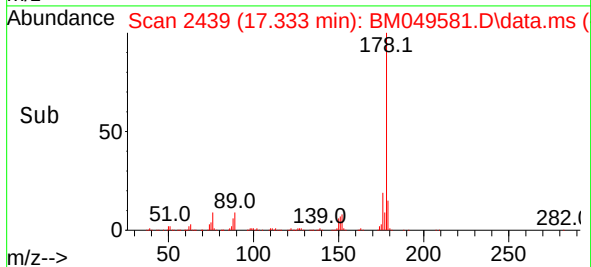
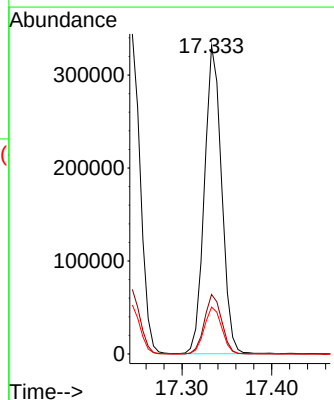
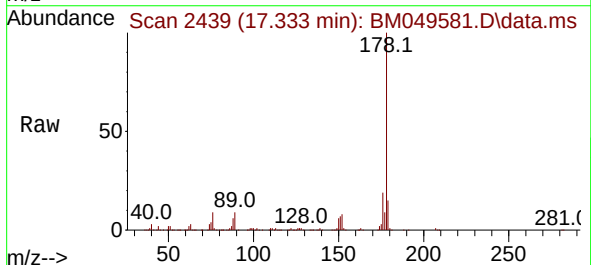
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

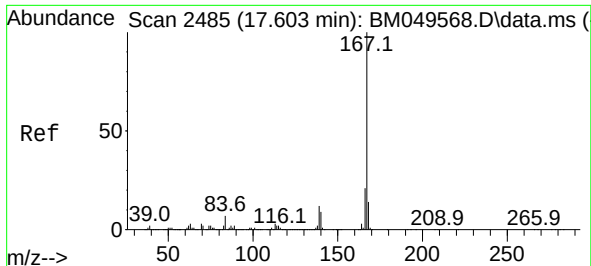
Tgt Ion:178 Resp: 449559
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.3 12.2 18.2



#72
Anthracene
Concen: 9.131 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:178 Resp: 440541
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.2 12.4 18.6

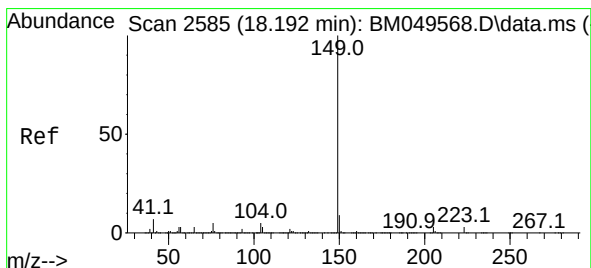
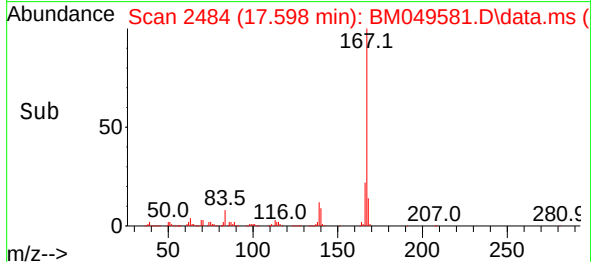
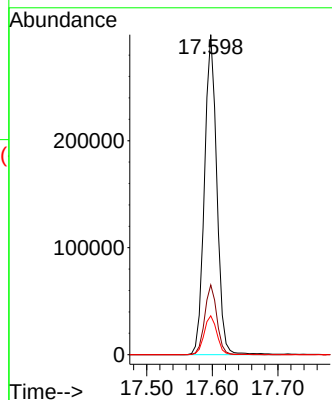
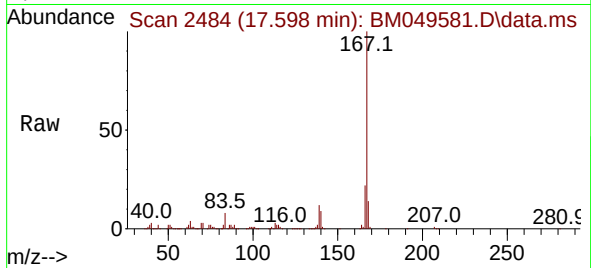




#73
 Carbazole
 Concen: 9.280 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

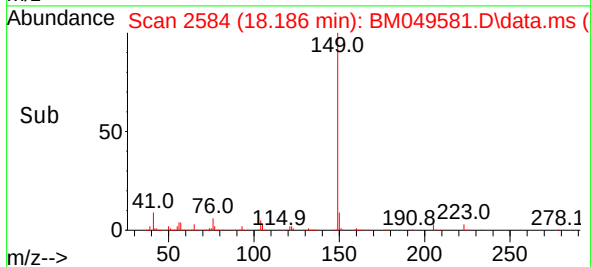
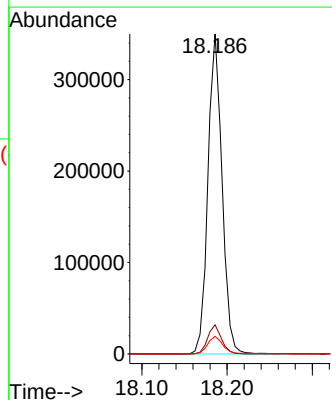
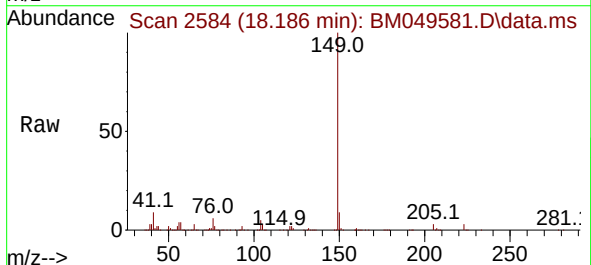
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

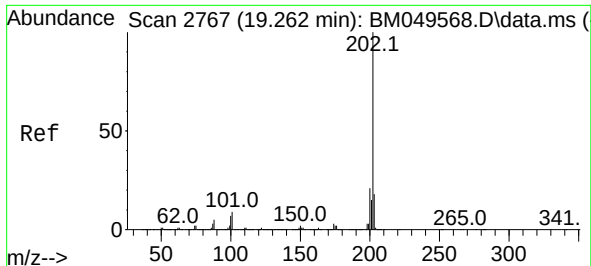
Tgt Ion:167 Resp: 392994
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 12.2 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 7.478 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

Tgt Ion:149 Resp: 401833
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.5 4.1 6.1

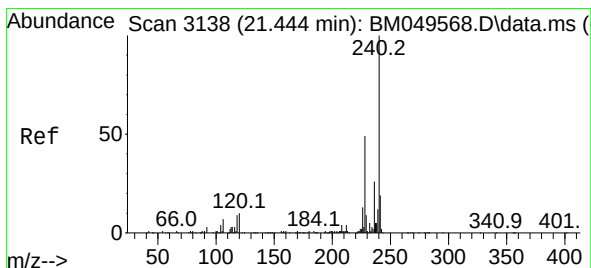
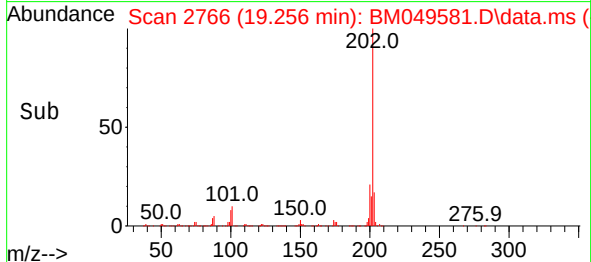
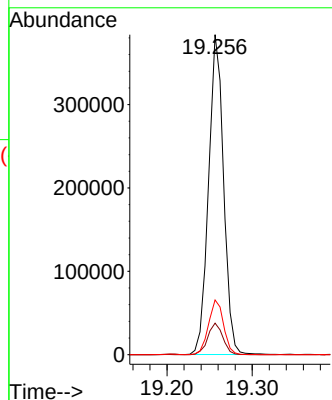
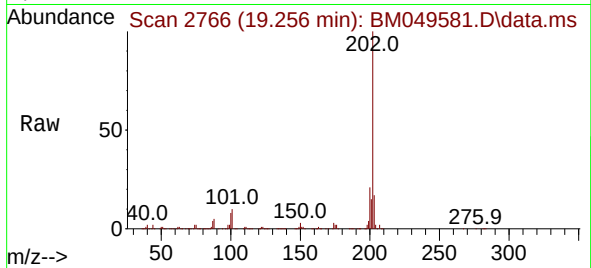




#75
Fluoranthene
Concen: 8.236 ng
RT: 19.256 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

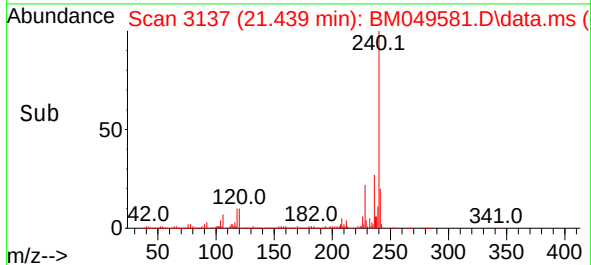
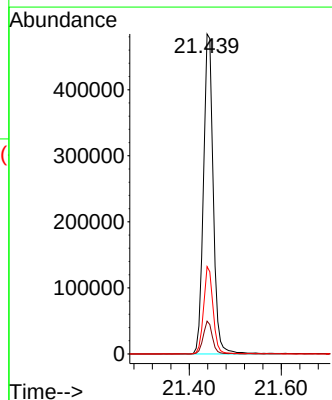
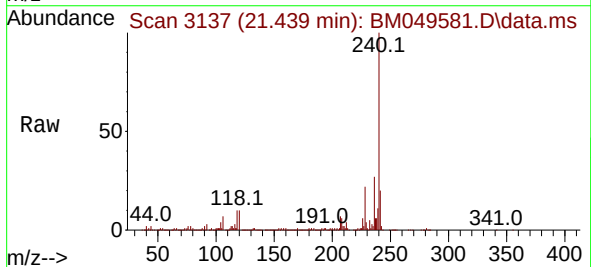
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

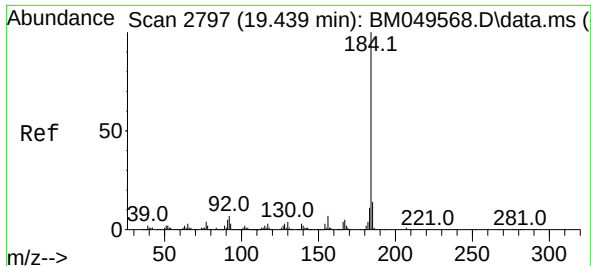
Tgt Ion:202 Resp: 469855
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.1
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:240 Resp: 719312
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.8
236 27.3 20.6 31.0

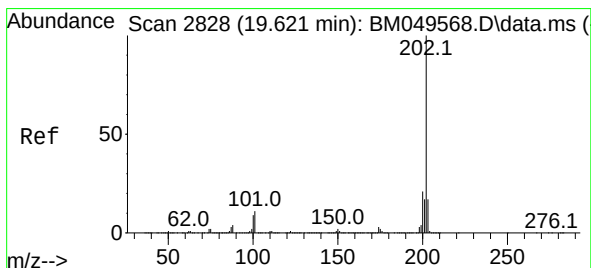
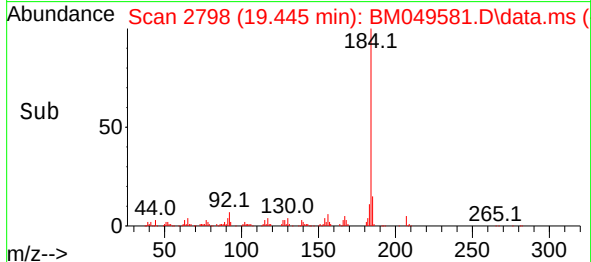
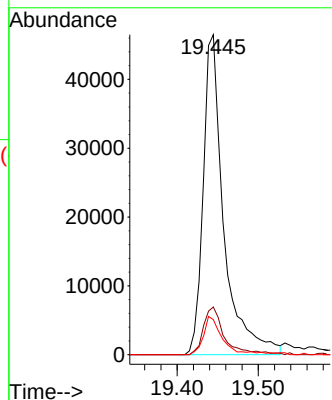
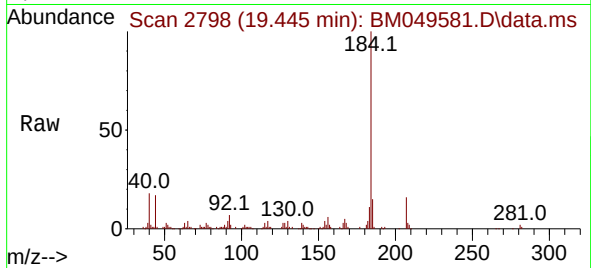




#77
Benzidine
Concen: 12.855 ng
RT: 19.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

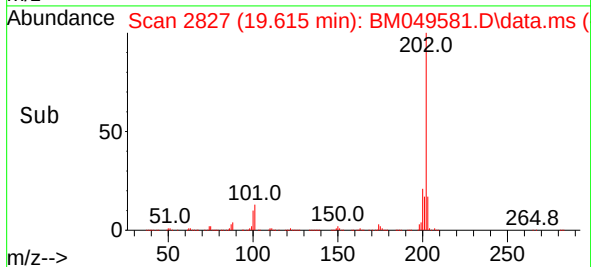
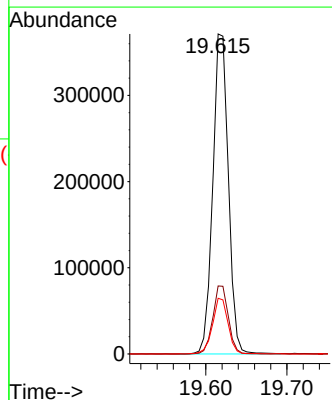
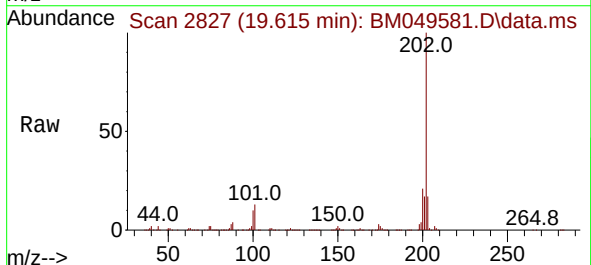
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

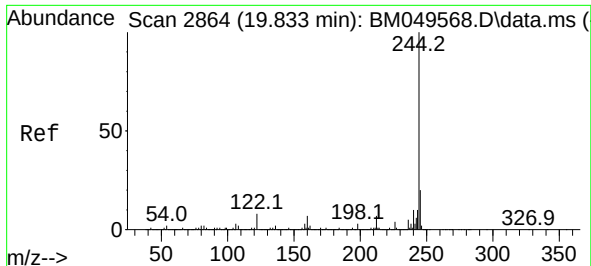
Tgt Ion:184 Resp: 81883
Ion Ratio Lower Upper
184 100
185 14.9 11.6 17.4
183 10.9 8.9 13.3



#78
Pyrene
Concen: 9.182 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:202 Resp: 494533
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.4 13.8 20.8

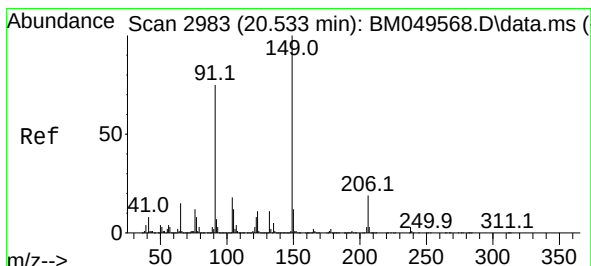
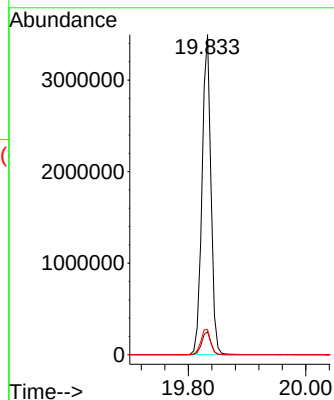
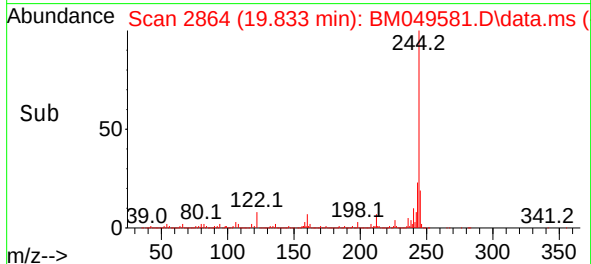
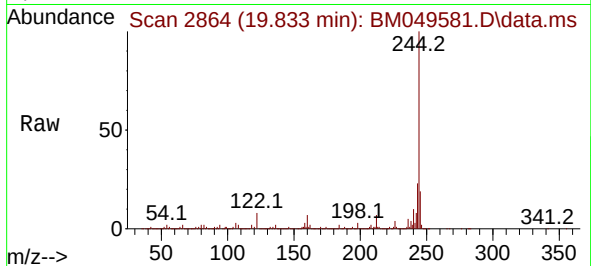




#79
 Terphenyl-d14
 Concen: 77.774 ng
 RT: 19.833 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

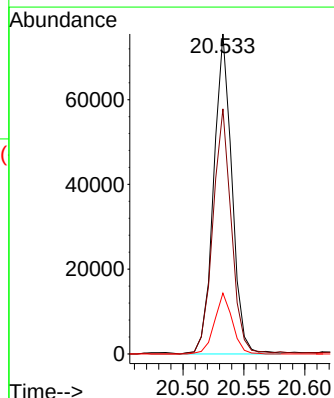
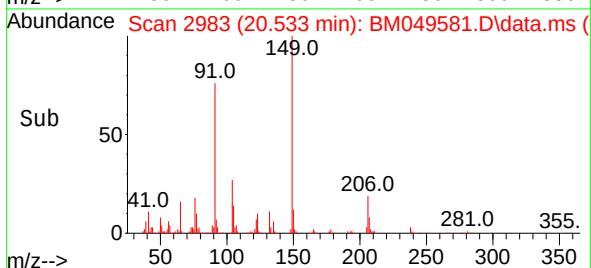
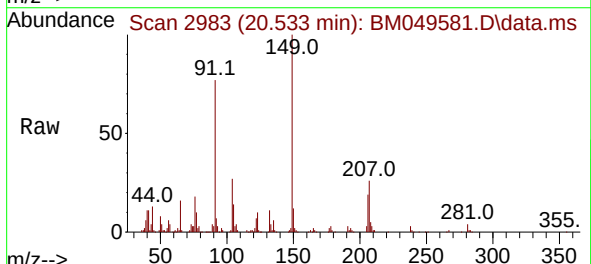
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

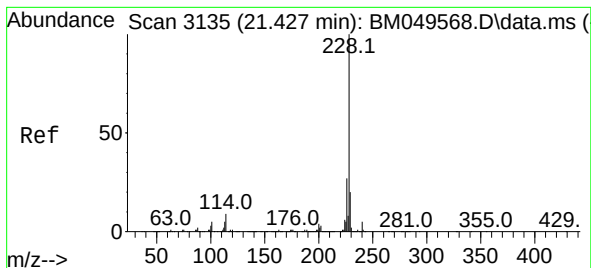
Tgt Ion:244 Resp: 3663522
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 7.8 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 4.689 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

Tgt Ion:149 Resp: 78583
 Ion Ratio Lower Upper
 149 100
 91 76.6 60.2 90.2
 206 19.0 15.4 23.0





#81

Benzo(a)anthracene

Concen: 9.206 ng

RT: 21.421 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

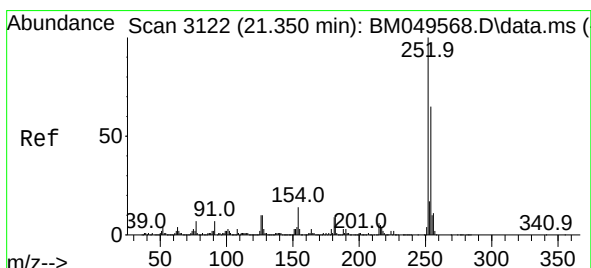
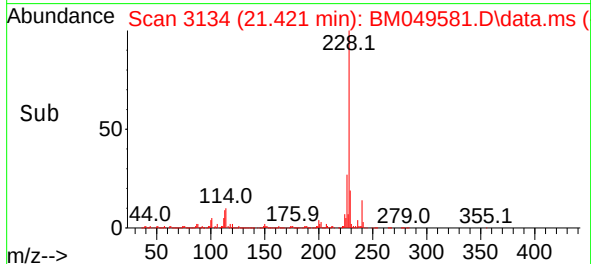
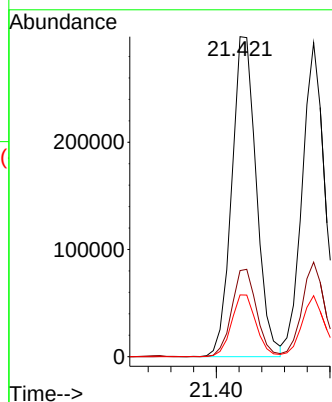
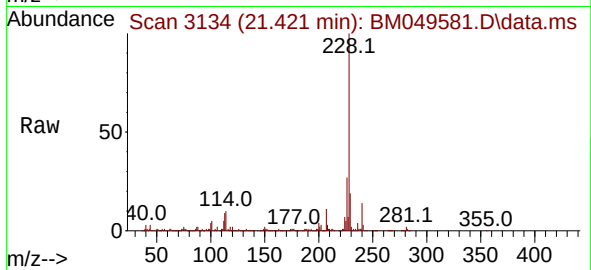
Tgt Ion:228 Resp: 448805

Ion Ratio Lower Upper

228 100

226 26.9 22.0 33.0

229 19.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 6.973 ng

RT: 21.344 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

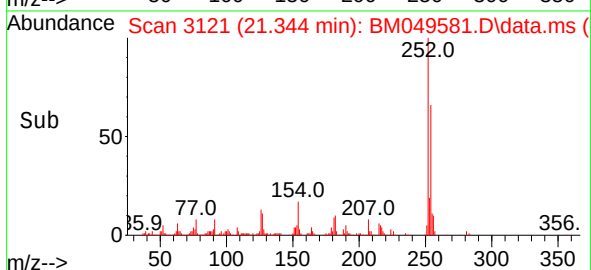
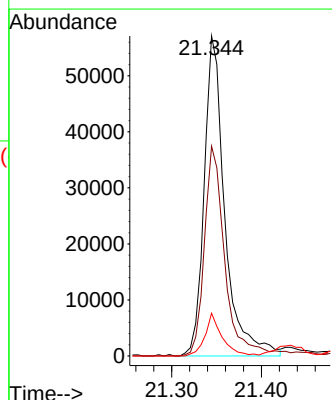
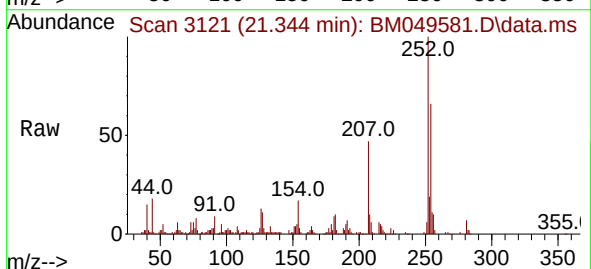
Tgt Ion:252 Resp: 91467

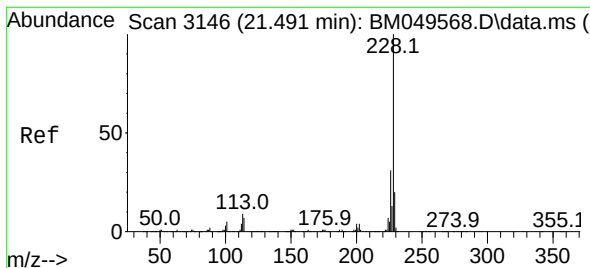
Ion Ratio Lower Upper

252 100

254 65.6 52.1 78.1

126 13.3 7.8 11.6#





#83

Chrysene

Concen: 9.145 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

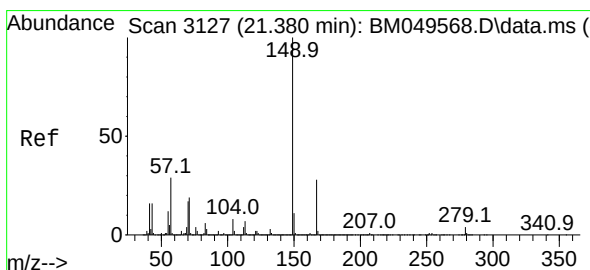
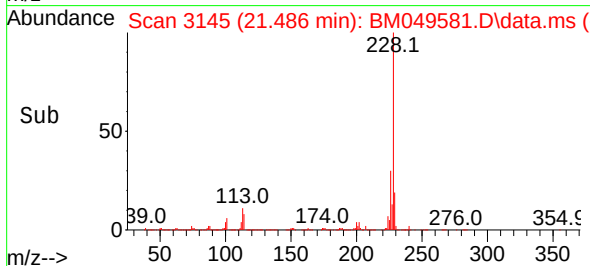
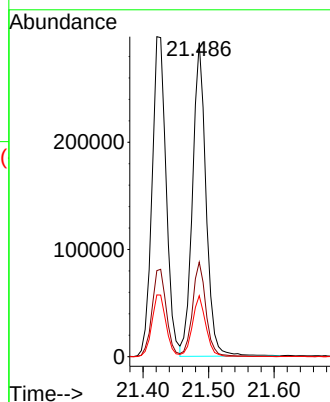
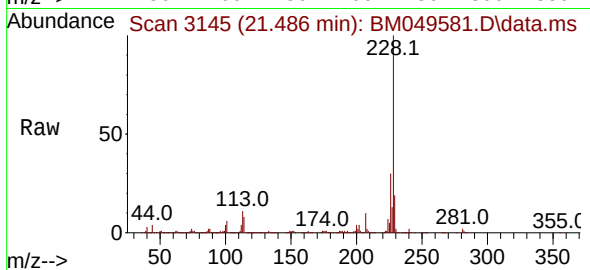
Tgt Ion:228 Resp: 417695

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.682 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

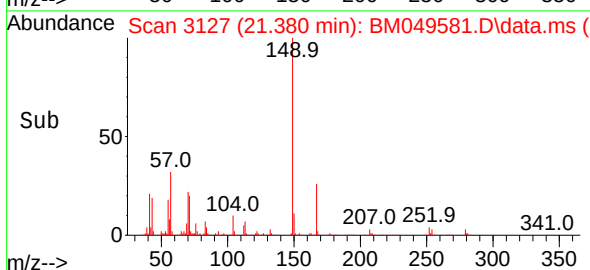
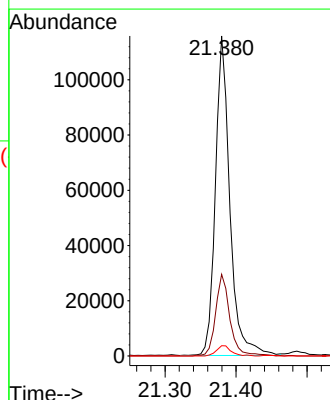
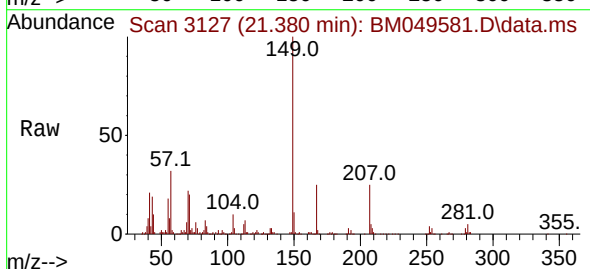
Tgt Ion:149 Resp: 163255

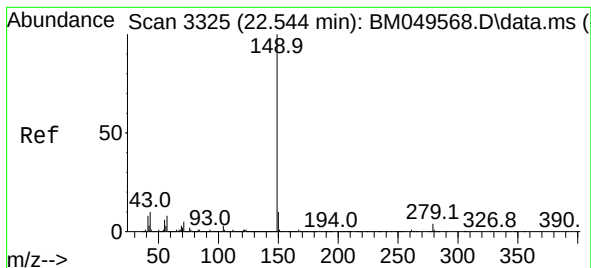
Ion Ratio Lower Upper

149 100

167 25.5 22.1 33.1

279 3.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.256 ng

RT: 22.538 min Scan# 3324

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

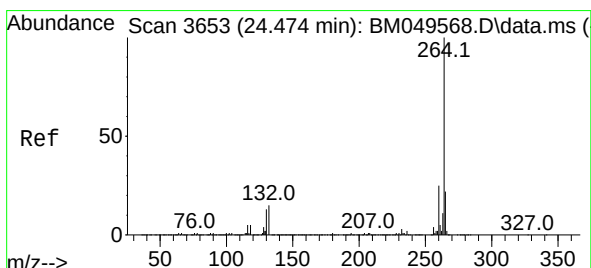
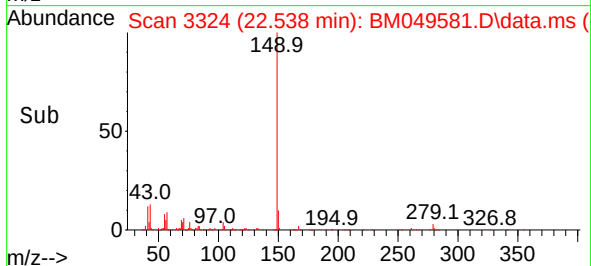
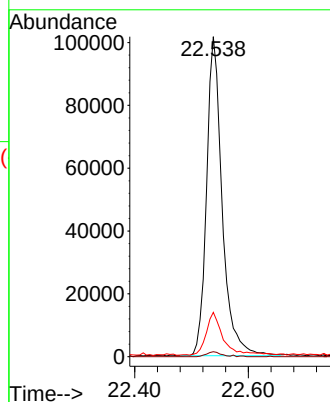
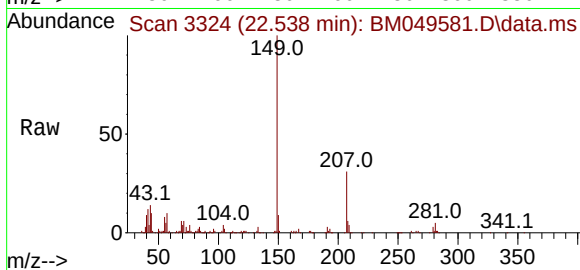
Tgt Ion:149 Resp: 192892

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 14.6 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. 0.000 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

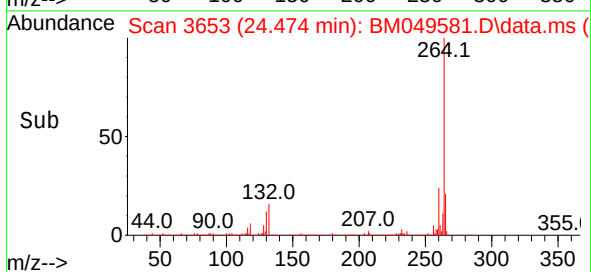
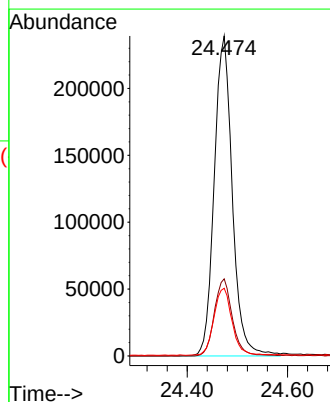
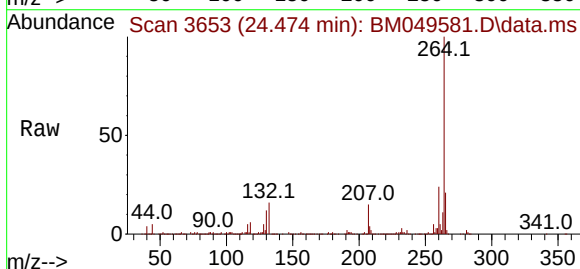
Tgt Ion:264 Resp: 599002

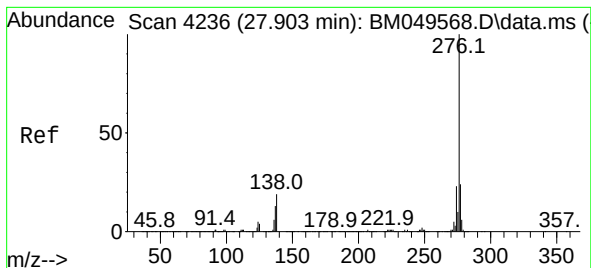
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 21.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.466 ng

RT: 27.891 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

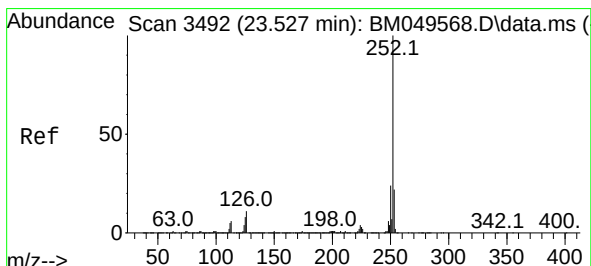
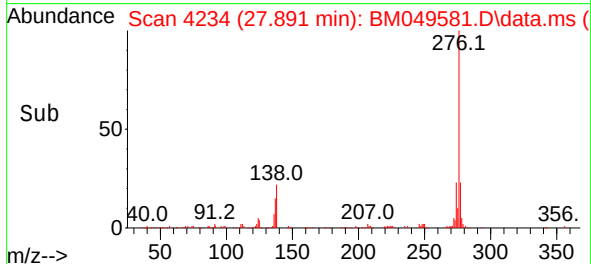
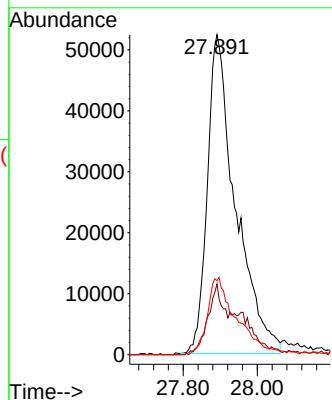
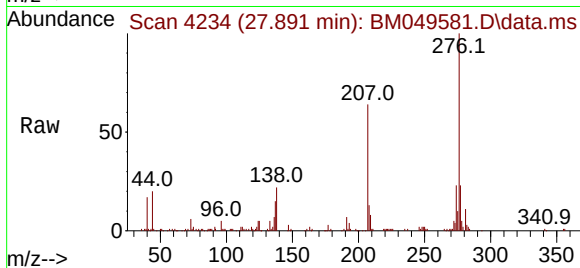
Tgt Ion:276 Resp: 276948

Ion Ratio Lower Upper

276 100

138 12.7 13.1 19.7#

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 8.217 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.012 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

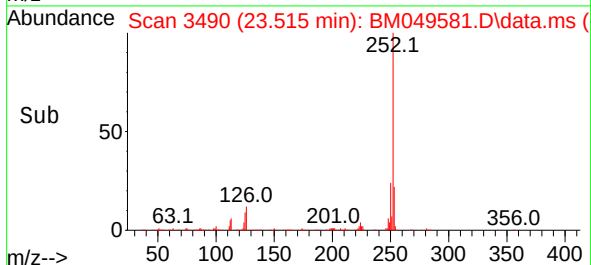
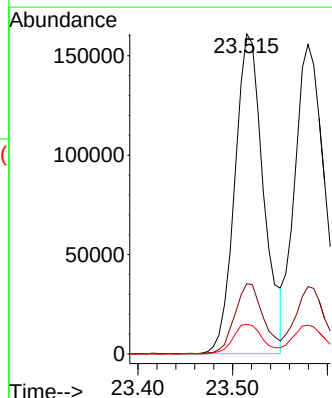
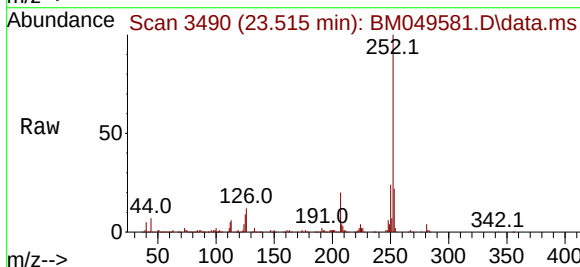
Tgt Ion:252 Resp: 338604

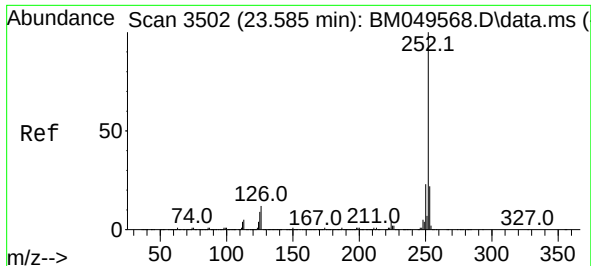
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.3 6.6 10.0

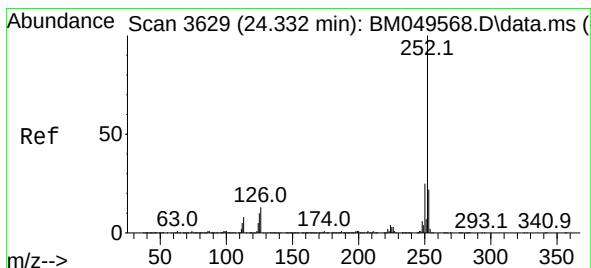
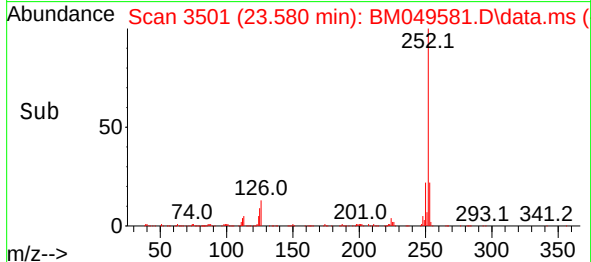
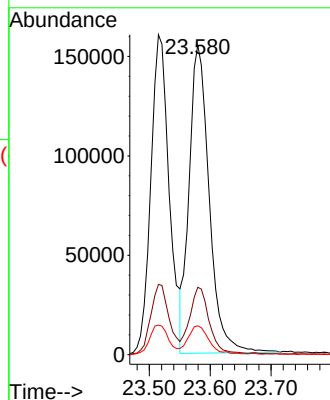
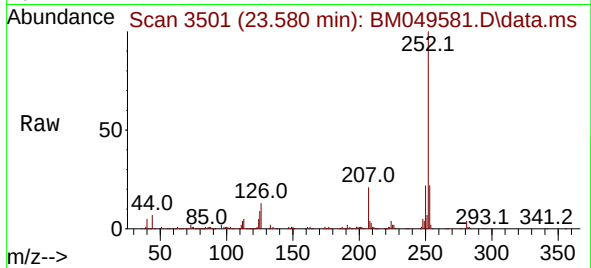




#89
Benzo(k)fluoranthene
Concen: 8.855 ng
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

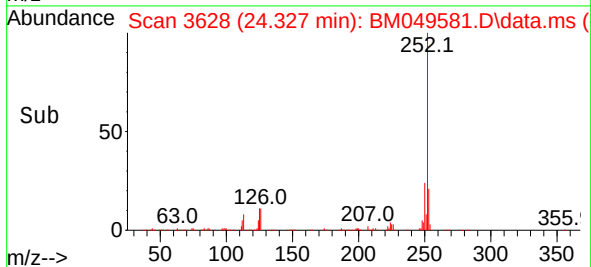
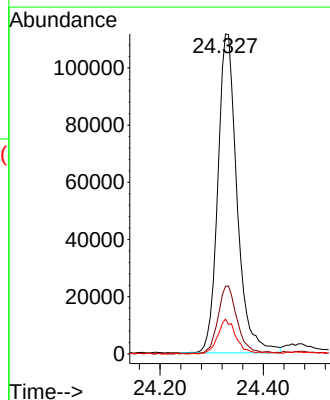
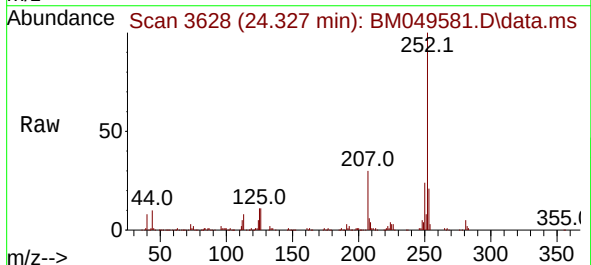
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

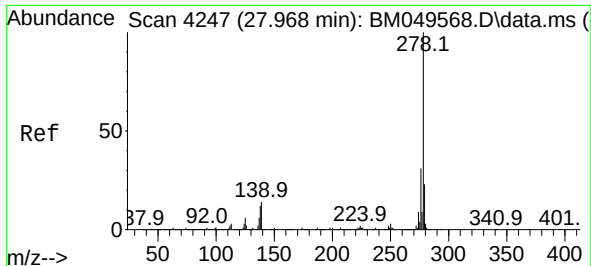
Tgt Ion:252 Resp: 354424
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.3 7.0 10.6



#90
Benzo(a)pyrene
Concen: 8.825 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:252 Resp: 288202
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.0
125 10.9 8.2 12.2

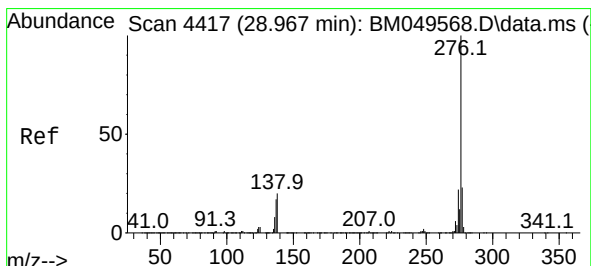
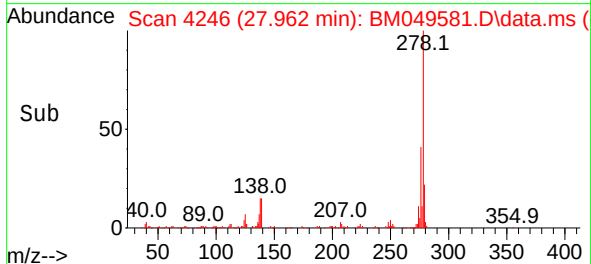
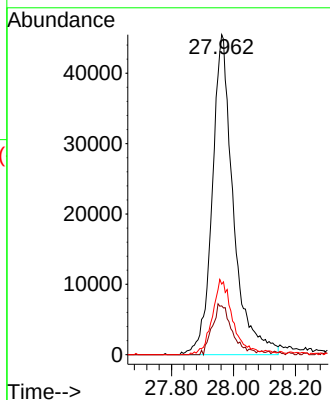
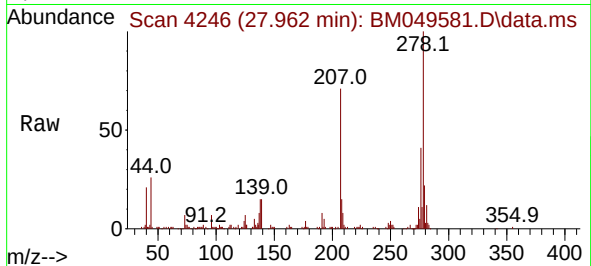




#91
Dibenzo(a,h)anthracene
Concen: 8.318 ng
RT: 27.962 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:278 Resp: 215056
Ion Ratio Lower Upper
278 100
139 15.3 11.5 17.3
279 22.1 18.2 27.2



#92
Benzo(g,h,i)perylene
Concen: 7.794 ng
RT: 28.950 min Scan# 4414
Delta R.T. -0.018 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion:276 Resp: 225105
Ion Ratio Lower Upper
276 100
277 23.1 18.7 28.1
138 21.1 16.0 24.0

