

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048216.D
 Acq On : 24 Oct 2024 14:30
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-05 ng
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 24 15:06:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	190081	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	760664	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	481809	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	989269	20.000	ng	0.00
76) Chrysene-d12	21.333	240	958330	20.000	ng	0.00
86) Perylene-d12	24.285	264	1057061	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1262416	111.639	ng	0.00
7) Phenol-d6	6.898	99	1673832	113.660	ng	0.00
23) Nitrobenzene-d5	8.875	82	1097558	81.470	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	677396	114.864	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2570014	81.851	ng	0.00
79) Terphenyl-d14	19.733	244	3605141	76.770	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	26762	5.782	ng	99
3) Pyridine	3.616	79	61741	5.021	ng	95
4) n-Nitrosodimethylamine	3.516	42	29227	5.598	ng	# 99
6) Aniline	7.051	93	88128	7.209	ng	99
8) 2-Chlorophenol	7.287	128	73694	5.999	ng	95
9) Benzaldehyde	6.863	77	61024	8.434	ng	98
10) Phenol	6.928	94	87766	5.924	ng	97
11) bis(2-Chloroethyl)ether	7.145	93	69626	5.900	ng	99
12) 1,3-Dichlorobenzene	7.610	146	82078	5.795	ng	97
13) 1,4-Dichlorobenzene	7.757	146	84279	5.857	ng	99
14) 1,2-Dichlorobenzene	8.069	146	80532	5.791	ng	98
15) Benzyl Alcohol	7.969	79	51686	5.501	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.239	45	107320	6.217	ng	99
17) 2-Methylphenol	8.175	107	52204	5.302	ng	96
18) Hexachloroethane	8.792	117	29561	5.605	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	52164	5.599	ng	99
20) 3+4-Methylphenols	8.504	107	70011	5.133	ng	96
22) Acetophenone	8.545	105	110455	5.950	ng	# 98
24) Nitrobenzene	8.922	77	79841	5.720	ng	99
25) Isophorone	9.445	82	140494	5.689	ng	100
26) 2-Nitrophenol	9.633	139	33019	5.123	ng	97
27) 2,4-Dimethylphenol	9.698	122	25832	3.304	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	87058	5.571	ng	98
29) 2,4-Dichlorophenol	10.181	162	57112	5.077	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	71773	5.571	ng	98
31) Naphthalene	10.557	128	227037	5.723	ng	99
32) Benzoic acid	9.786	122	31684	3.640	ng	93
33) 4-Chloroaniline	10.686	127	75929	5.901	ng	98
34) Hexachlorobutadiene	10.845	225	43662	5.468	ng	94
35) Caprolactam	11.457	113	18804	5.146	ng	96
36) 4-Chloro-3-methylphenol	11.816	107	61210	5.213	ng	98
37) 2-Methylnaphthalene	12.180	142	151050	5.698	ng	100
38) 1-Methylnaphthalene	12.398	142	140116	5.331	ng	98
40) 1,2,4,5-Tetrachloroben...	12.551	216	80348	5.835	ng	99
41) Hexachlorocyclopentadiene	12.527	237	8824	1.894	ng	87
43) 2,4,6-Trichlorophenol	12.798	196	48526	5.310	ng	100

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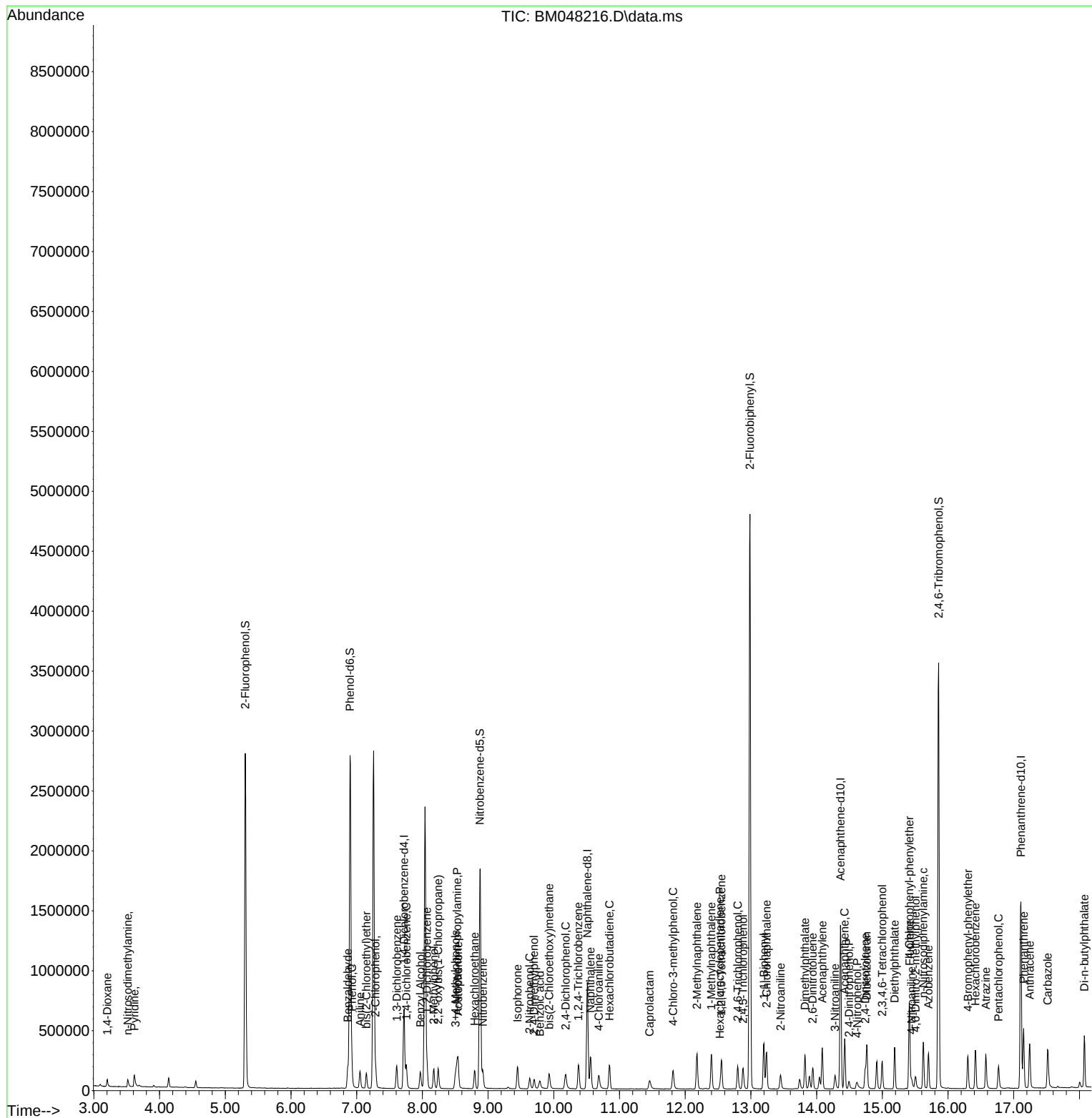
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	53594	5.259	ng	99
46) 1,1'-Biphenyl	13.198	154	212115	6.166	ng	98
47) 2-Chloronaphthalene	13.239	162	155142	5.720	ng	99
48) 2-Nitroaniline	13.451	65	37751	5.132	ng	99
49) Acenaphthylene	14.086	152	245299	6.199	ng	98
50) Dimethylphthalate	13.821	163	193522	5.884	ng	99
51) 2,6-Dinitrotoluene	13.939	165	37419	5.099	ng	93
52) Acenaphthene	14.427	154	146921	5.843	ng	100
53) 3-Nitroaniline	14.280	138	33498	4.840	ng	# 91
54) 2,4-Dinitrophenol	14.492	184	15755	3.674	ng	95
55) Dibenzofuran	14.763	168	240967	6.032	ng	99
56) 4-Nitrophenol	14.616	139	23636	3.826	ng	91
57) 2,4-Dinitrotoluene	14.739	165	47269	4.877	ng	99
58) Fluorene	15.415	166	186834	5.915	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	47858	5.666	ng	99
60) Diethylphthalate	15.186	149	188773	5.668	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	94075	5.956	ng	97
62) 4-Nitroaniline	15.445	138	29940	4.180	ng	91
63) Azobenzene	15.704	77	169180	5.668	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	23604	4.112	ng	95
66) n-Nitrosodiphenylamine	15.621	169	156039	5.746	ng	98
67) 4-Bromophenyl-phenylether	16.304	248	55689	5.552	ng	94
68) Hexachlorobenzene	16.415	284	68759	5.708	ng	99
69) Atrazine	16.574	200	53078	6.985	ng	98
70) Pentachlorophenol	16.768	266	38218	4.832	ng	98
71) Phenanthrene	17.151	178	294412	6.010	ng	99
72) Anthracene	17.245	178	255027	5.378	ng	99
73) Carbazole	17.515	167	253638	5.456	ng	99
74) Di-n-butylphthalate	18.074	149	316083	5.463	ng	100
75) Fluoranthene	19.168	202	333422	5.706	ng	99
77) Benzidine	19.362	184	56310	5.091	ng	96
78) Pyrene	19.527	202	353234	5.507	ng	99
80) Butylbenzylphthalate	20.427	149	140769	5.248	ng	97
81) Benzo(a)anthracene	21.315	228	352330	5.753	ng	98
82) 3,3'-Dichlorobenzidine	21.245	252	112857	5.380	ng	98
83) Chrysene	21.374	228	348937	5.936	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	217804	5.587	ng	99
85) Di-n-octyl phthalate	22.350	149	343935	5.094	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.603	276	416831	5.963	ng	99
88) Benzo(b)fluoranthene	23.356	252	355454	5.865	ng	99
89) Benzo(k)fluoranthene	23.415	252	355028	6.059	ng	99
90) Benzo(a)pyrene	24.144	252	315454	5.987	ng	99
91) Dibenzo(a,h)anthracene	27.662	278	350785	6.026	ng	99
92) Benzo(g,h,i)perylene	28.644	276	332635	5.581	ng	99

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

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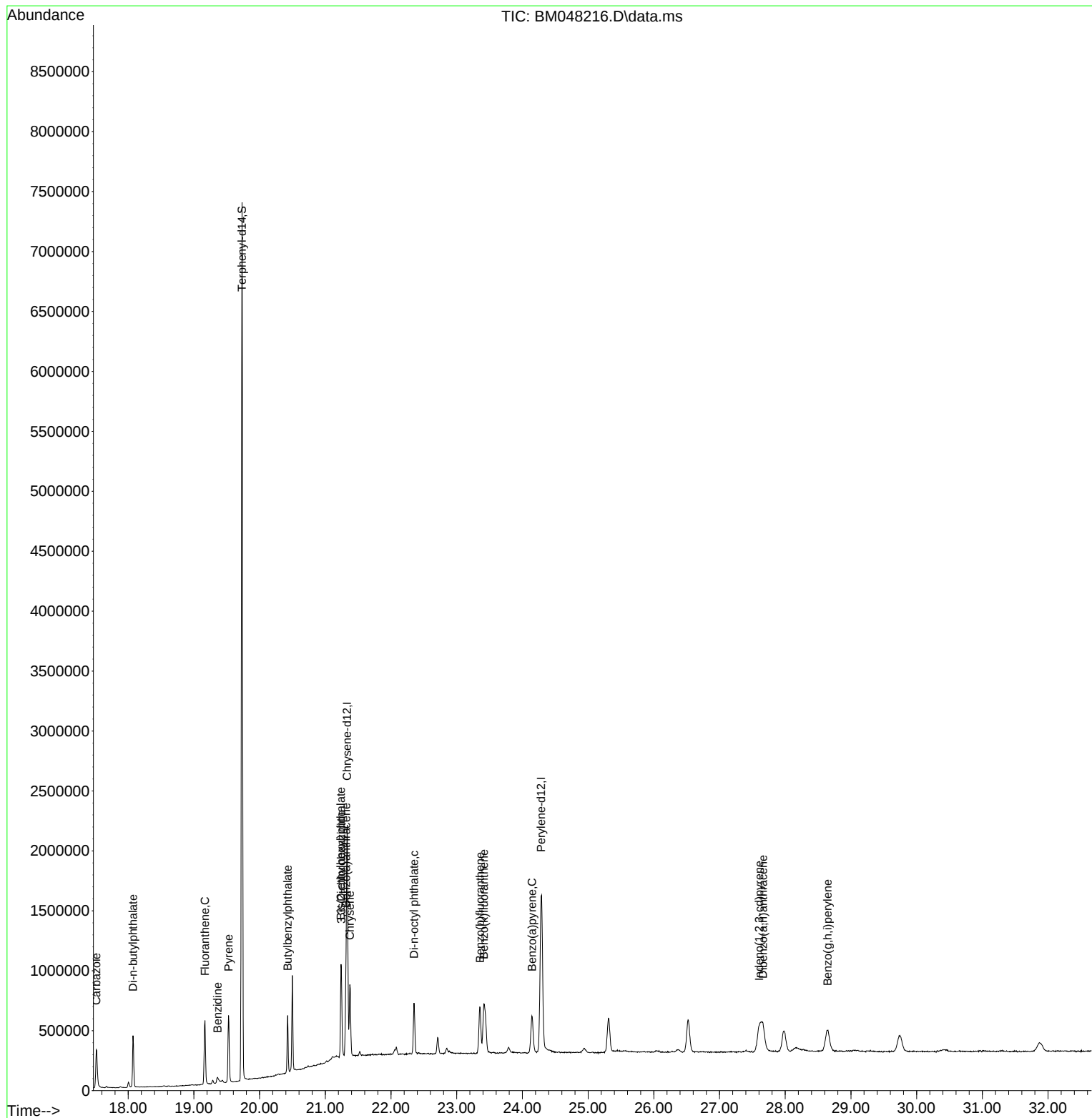
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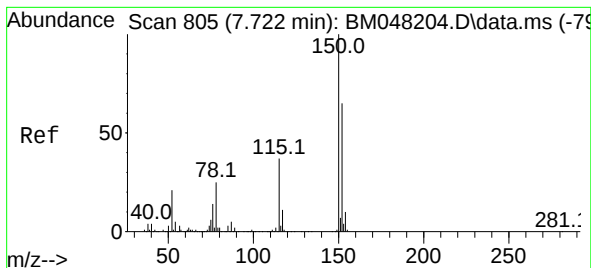


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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.722 min Scan# 80

Delta R.T. -0.000 min

Lab File: BM048216.D

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Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

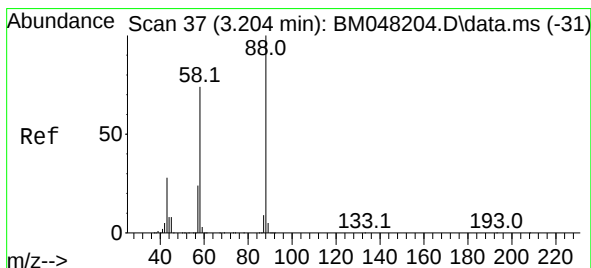
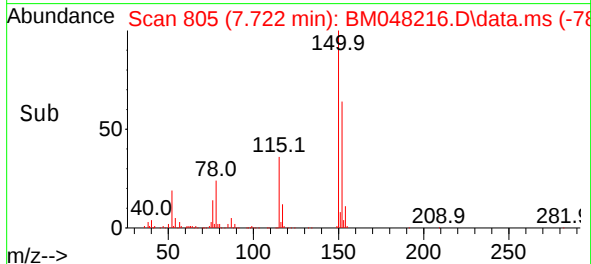
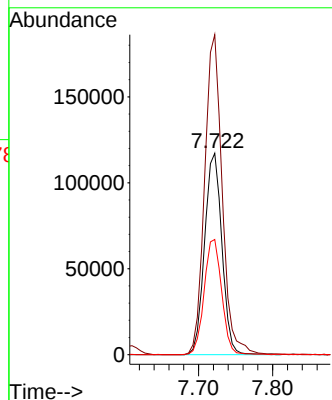
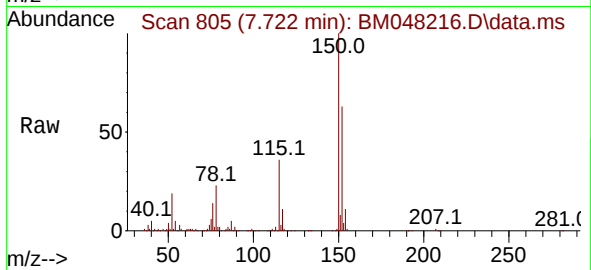
Tgt Ion:152 Resp: 190081

Ion Ratio Lower Upper

152 100

150 158.9 123.0 184.6

115 57.2 45.8 68.6



#2

1,4-Dioxane

Concen: 5.782 ng

RT: 3.205 min Scan# 37

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

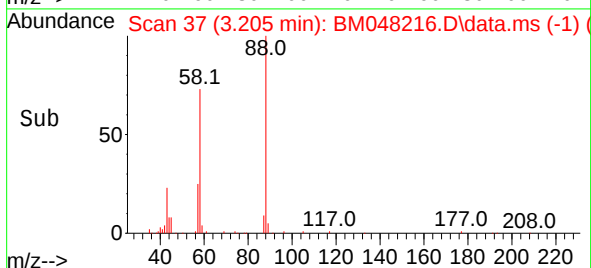
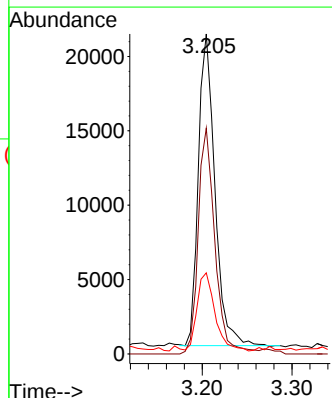
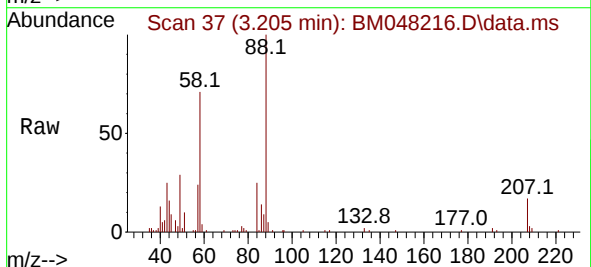
Tgt Ion: 88 Resp: 26762

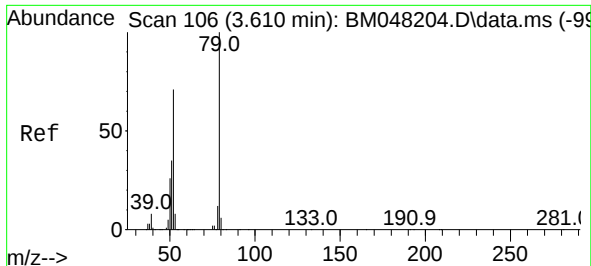
Ion Ratio Lower Upper

88 100

58 73.5 59.7 89.5

43 27.3 22.6 33.8





#3

Pyridine

Concen: 5.021 ng

RT: 3.616 min Scan# 106

Delta R.T. 0.006 min

Lab File: BM048216.D

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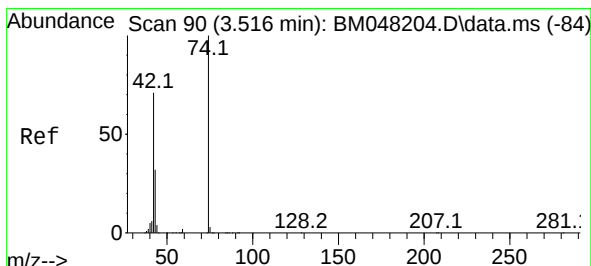
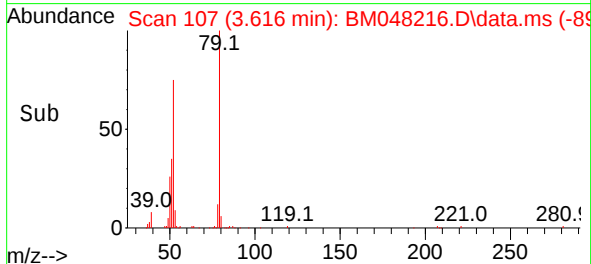
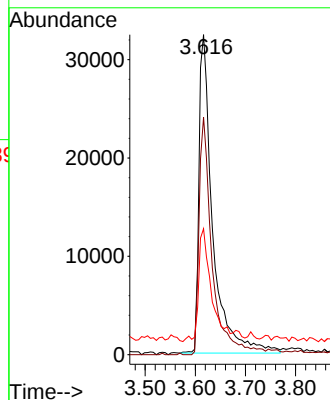
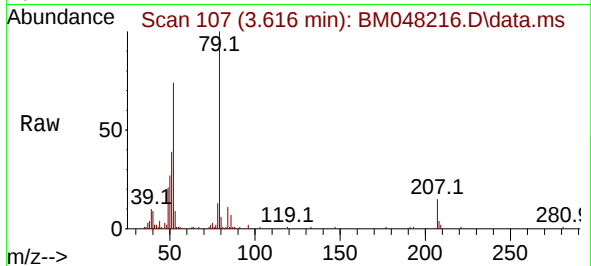
Tgt Ion: 79 Resp: 61741

Ion Ratio Lower Upper

79 100

52 74.2 56.5 84.7

51 39.4 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 5.598 ng

RT: 3.516 min Scan# 90

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

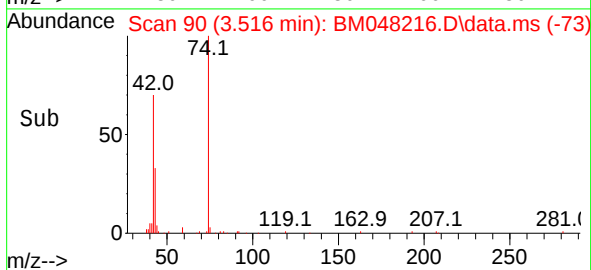
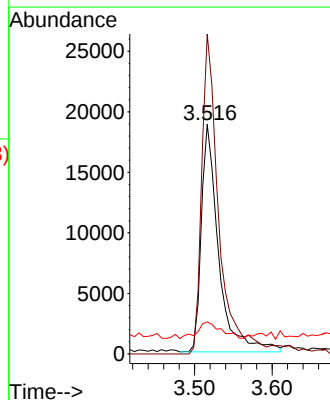
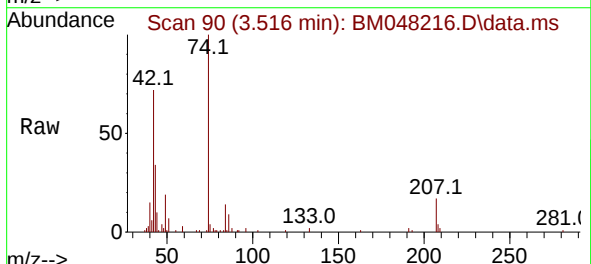
Tgt Ion: 42 Resp: 29227

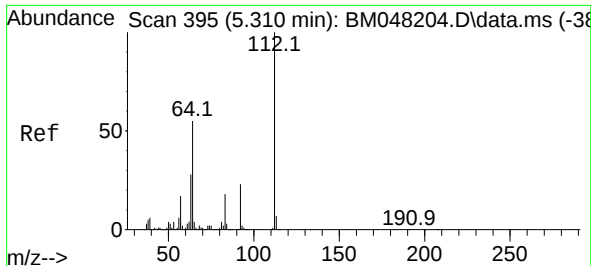
Ion Ratio Lower Upper

42 100

74 139.4 111.8 167.6

44 13.9 6.0 9.0#

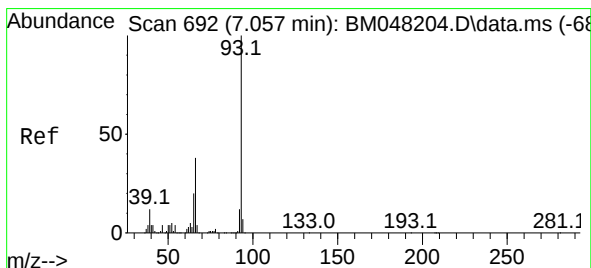
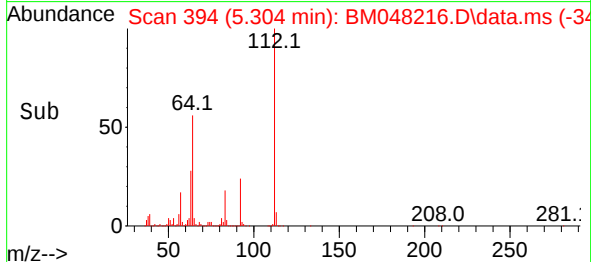
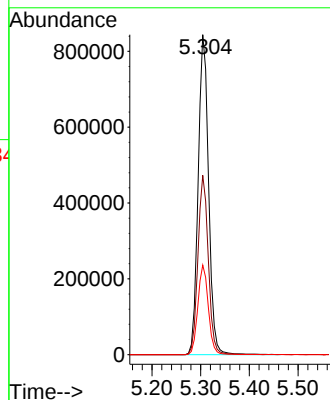
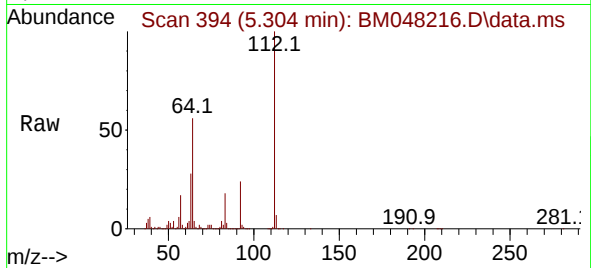




#5
2-Fluorophenol
Concen: 111.639 ng
RT: 5.304 min Scan# 394
Delta R.T. -0.006 min
Lab File: BM048216.D
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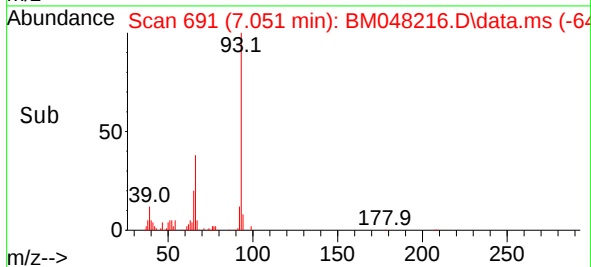
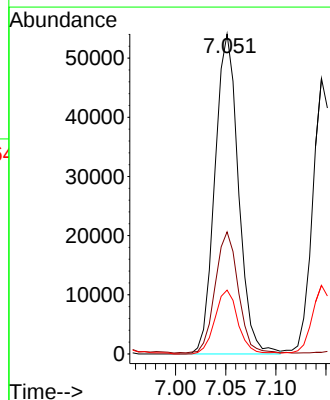
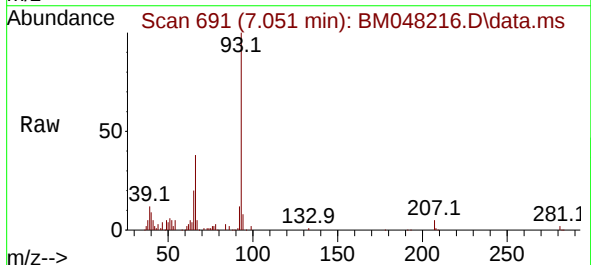
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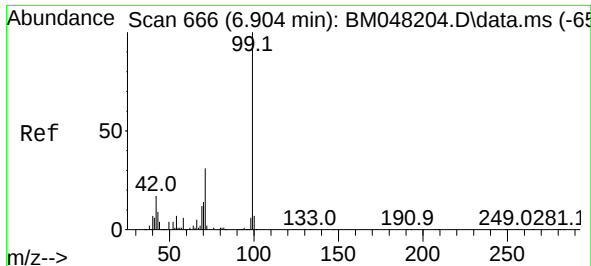
Tgt Ion:112 Resp: 1262416
Ion Ratio Lower Upper
112 100
64 56.1 44.2 66.2
63 28.0 22.7 34.1



#6
Aniline
Concen: 7.209 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion: 93 Resp: 88128
Ion Ratio Lower Upper
93 100
66 38.2 30.2 45.2
65 19.9 16.2 24.2

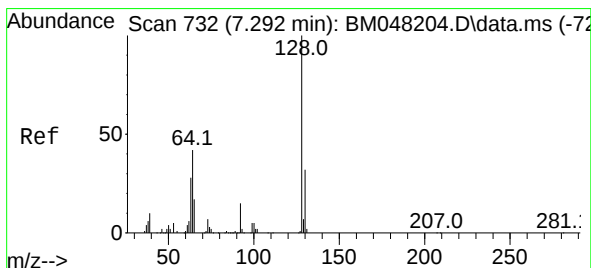
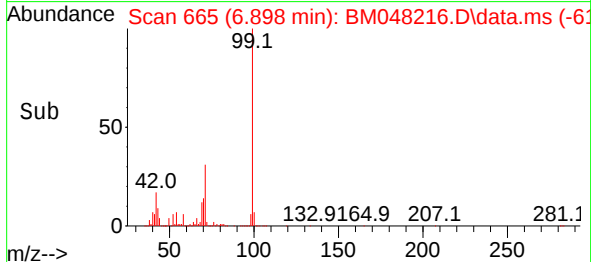
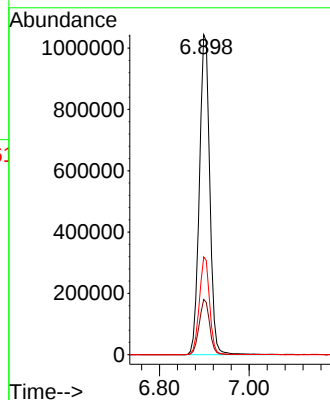
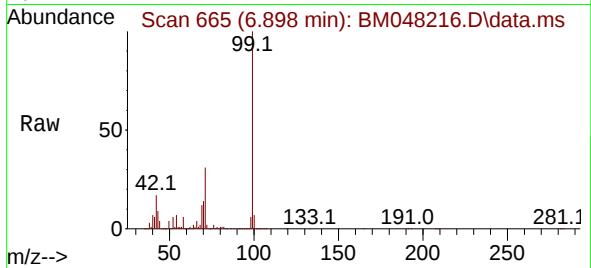




#7
Phenol-d6
Concen: 113.660 ng
RT: 6.898 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

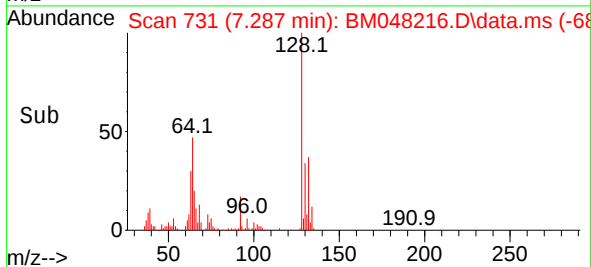
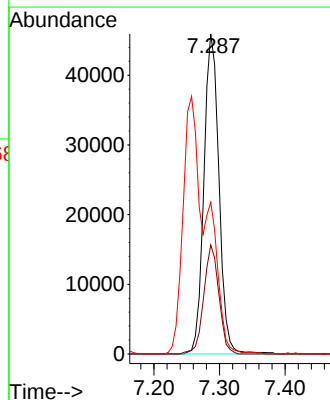
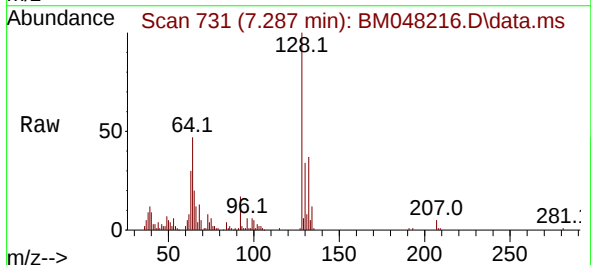
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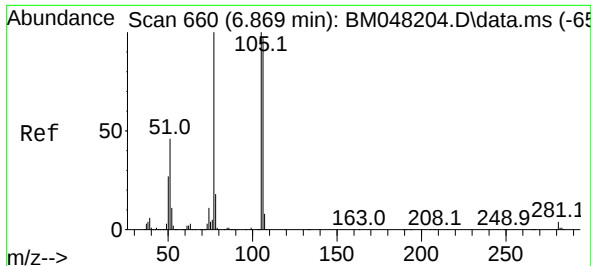
Tgt Ion: 99 Resp: 1673832
Ion Ratio Lower Upper
99 100
42 17.3 13.8 20.8
71 30.6 24.9 37.3



#8
2-Chlorophenol
Concen: 5.999 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion: 128 Resp: 73694
Ion Ratio Lower Upper
128 100
130 34.0 12.1 52.1
64 47.4 23.8 63.8

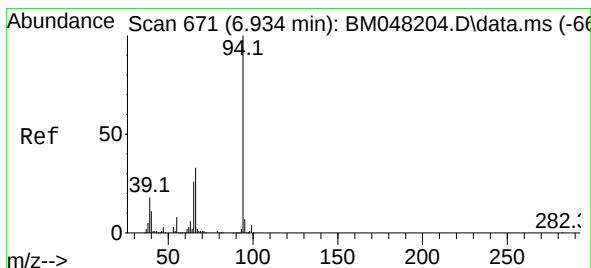
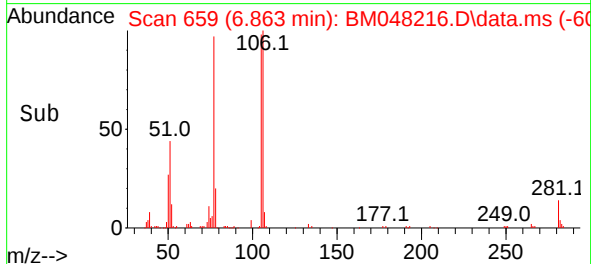
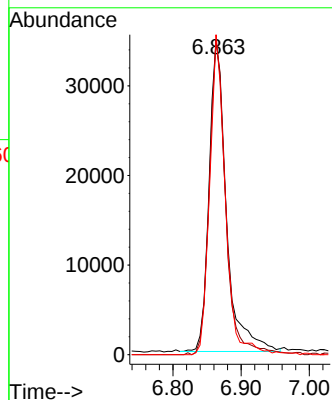
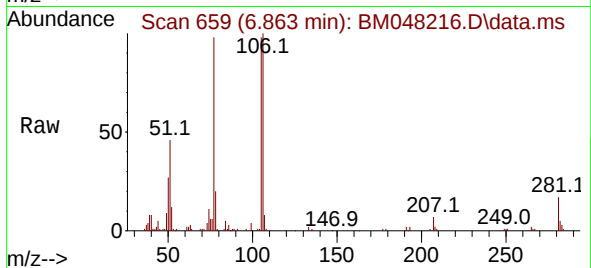




#9
Benzaldehyde
Concen: 8.434 ng
RT: 6.863 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

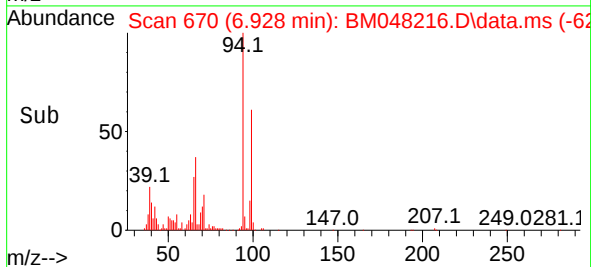
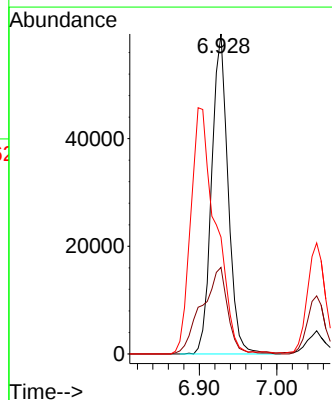
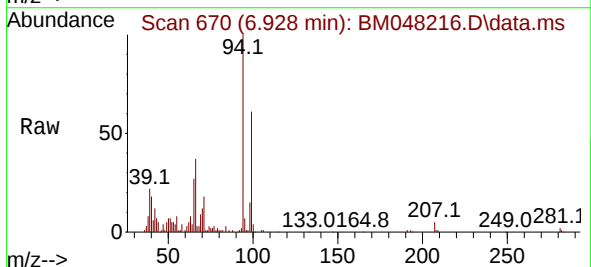
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

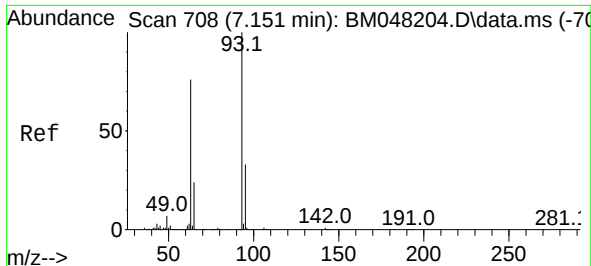
Tgt Ion: 77 Resp: 61024
Ion Ratio Lower Upper
77 100
105 99.7 79.6 119.6
106 101.7 77.0 117.0



#10
Phenol
Concen: 5.924 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion: 94 Resp: 87766
Ion Ratio Lower Upper
94 100
65 27.0 6.5 46.5
66 36.5 13.6 53.6

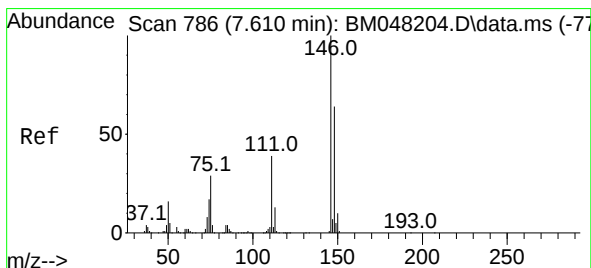
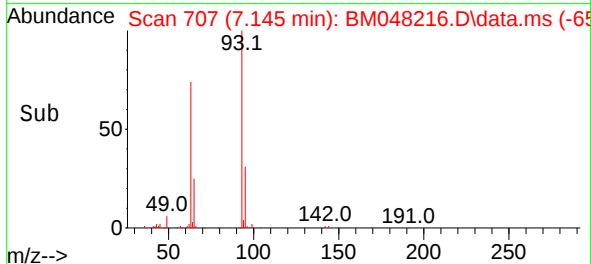
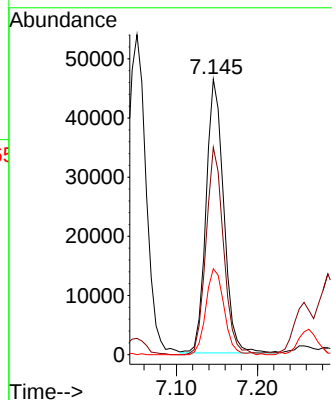
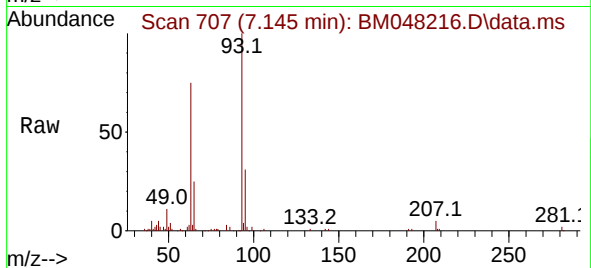




#11
bis(2-Chloroethyl)ether
Concen: 5.900 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

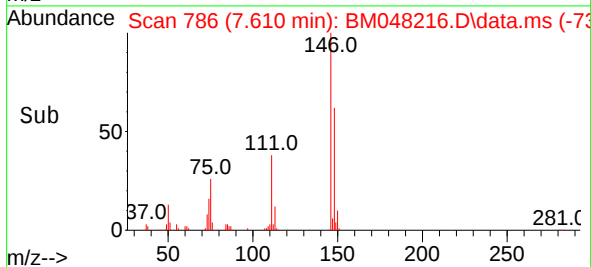
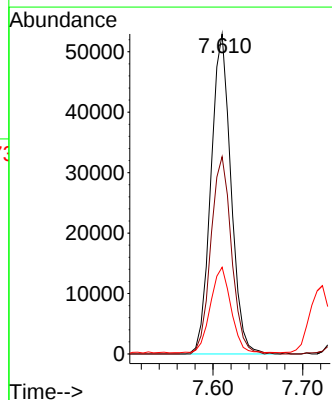
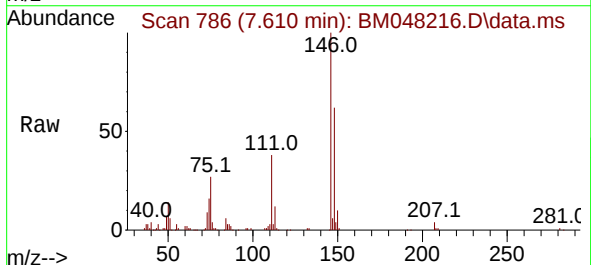
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

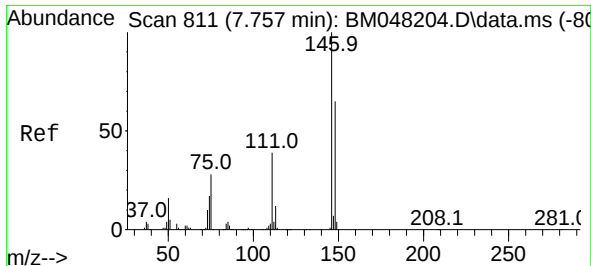
Tgt Ion: 93 Resp: 69626
Ion Ratio Lower Upper
93 100
63 75.3 55.3 95.3
95 31.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.795 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:146 Resp: 82078
Ion Ratio Lower Upper
146 100
148 61.7 51.0 76.6
75 27.1 22.9 34.3

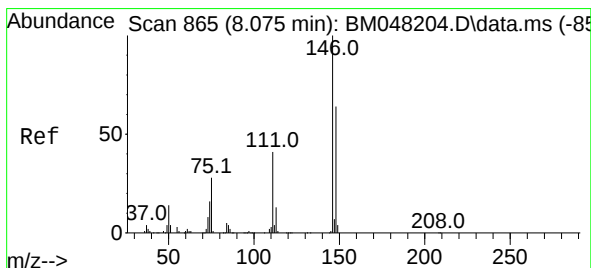
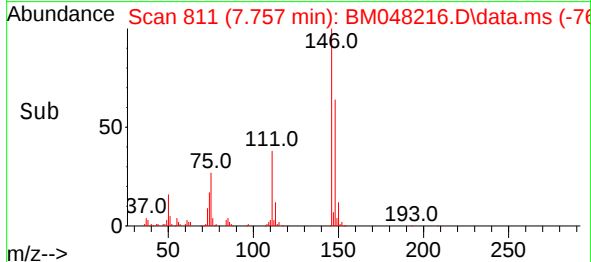
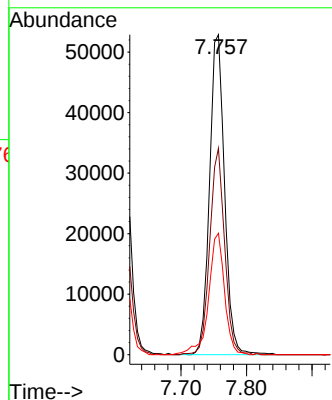
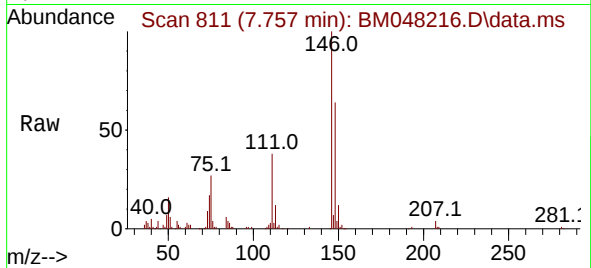




#13
1,4-Dichlorobenzene
Concen: 5.857 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

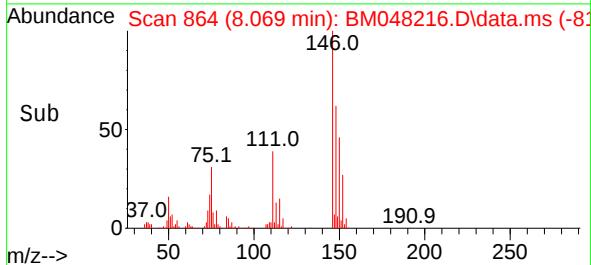
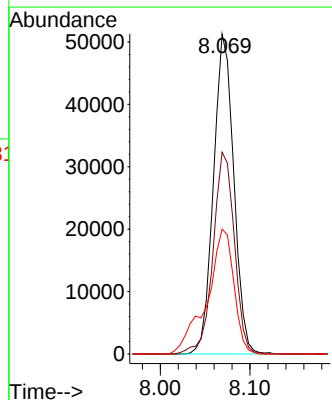
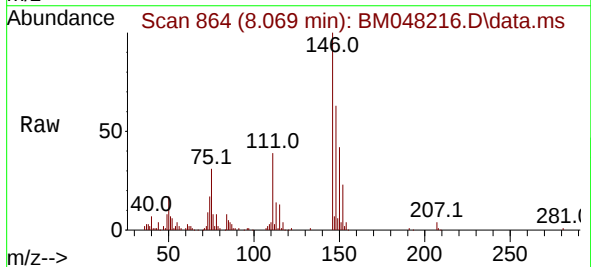
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

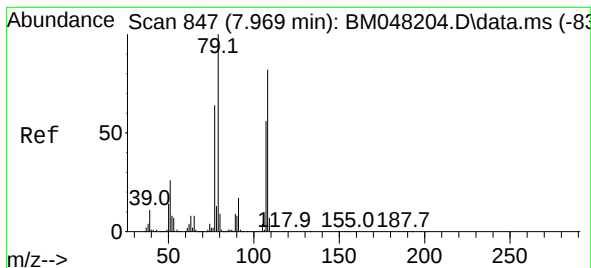
Tgt Ion:146 Resp: 84279
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 37.9 31.4 47.2



#14
1,2-Dichlorobenzene
Concen: 5.791 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:146 Resp: 80532
Ion Ratio Lower Upper
146 100
148 63.0 51.3 76.9
111 39.0 32.7 49.1





#15

Benzyl Alcohol

Concen: 5.501 ng

RT: 7.969 min Scan# 847

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

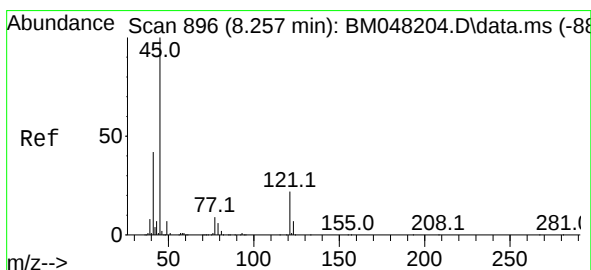
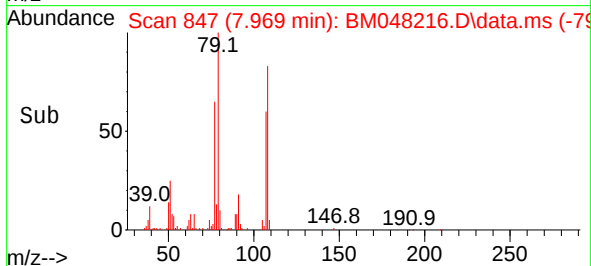
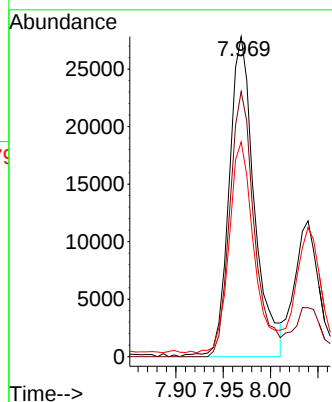
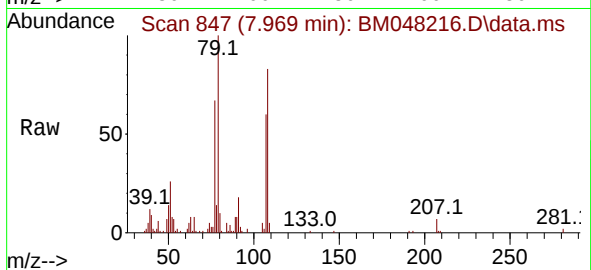
Tgt Ion: 79 Resp: 51686

Ion Ratio Lower Upper

79 100

108 82.8 65.2 97.8

77 67.1 51.4 77.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.217 ng

RT: 8.239 min Scan# 893

Delta R.T. -0.018 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

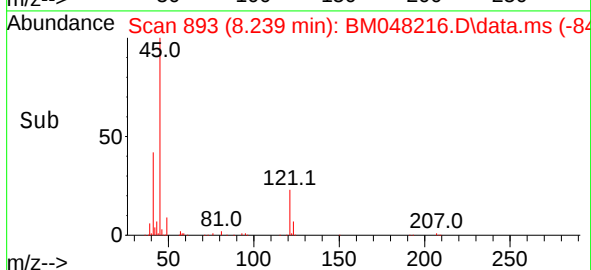
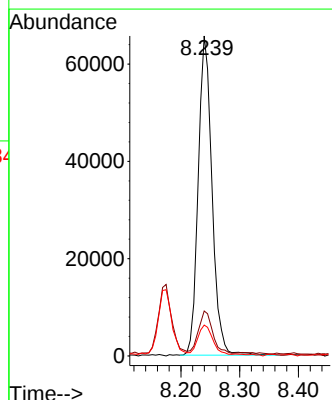
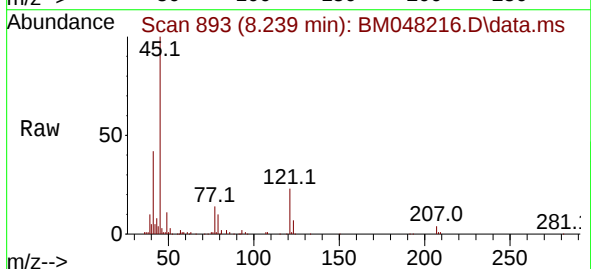
Tgt Ion: 45 Resp: 107320

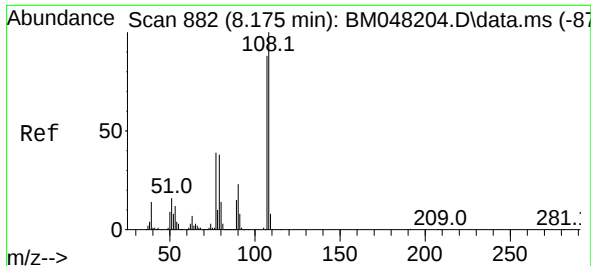
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.2

79 9.7 0.0 30.7

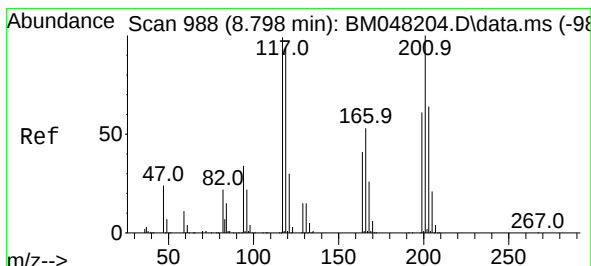
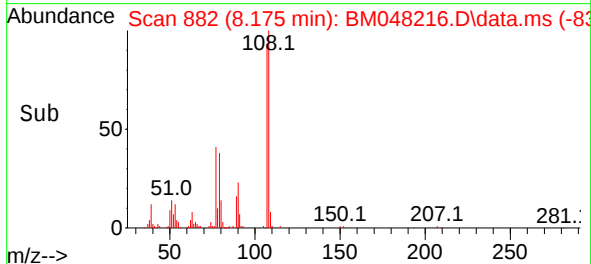
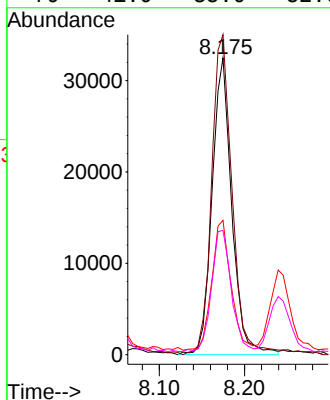
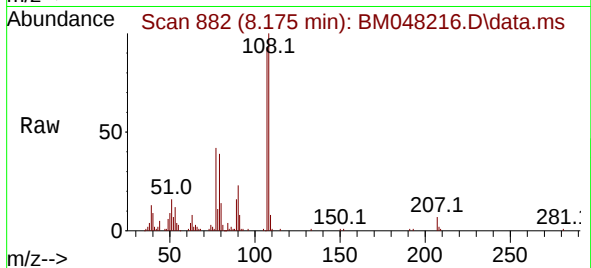




#17
2-Methylphenol
Concen: 5.302 ng
RT: 8.175 min Scan# 882
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

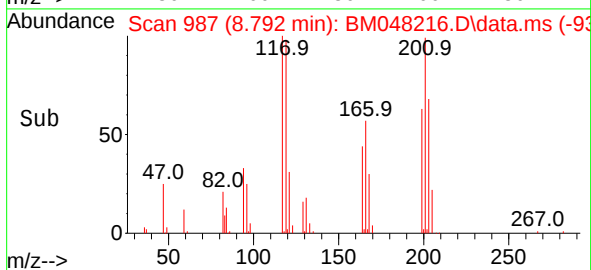
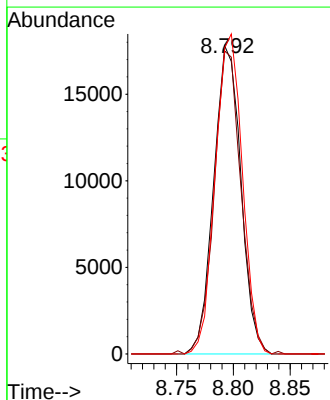
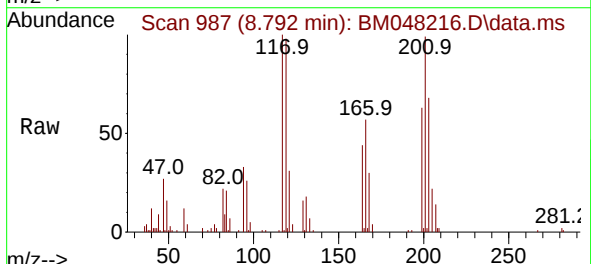
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

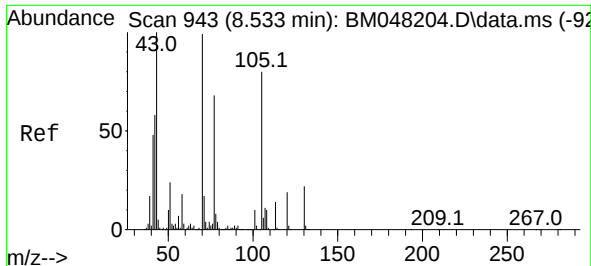
Tgt Ion:	107	Resp:	52204
Ion	Ratio	Lower	Upper
107	100		
108	107.8	91.3	136.9
77	45.3	36.2	54.2
79	41.9	35.0	52.6



#18
Hexachloroethane
Concen: 5.605 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:	117	Resp:	29561
Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.5	114.7
201	99.5	80.9	121.3

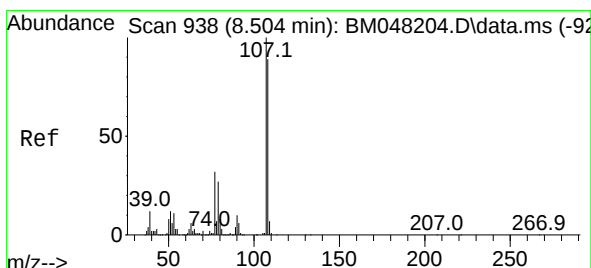
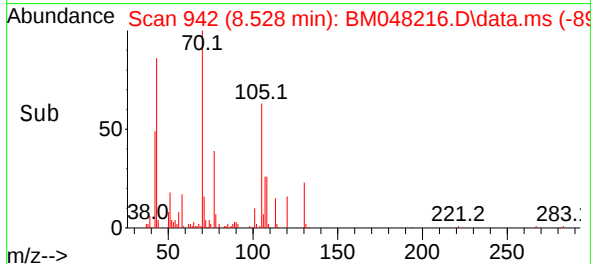
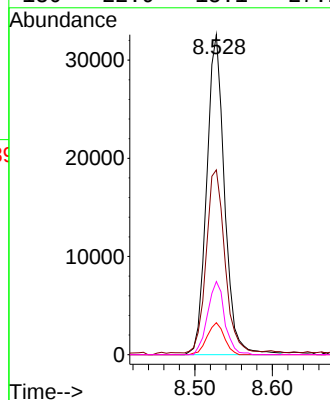
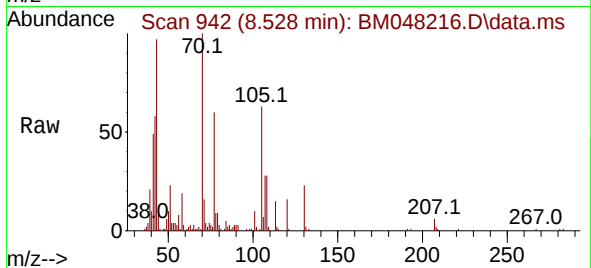




#19
n-Nitroso-di-n-propylamine
Concen: 5.599 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

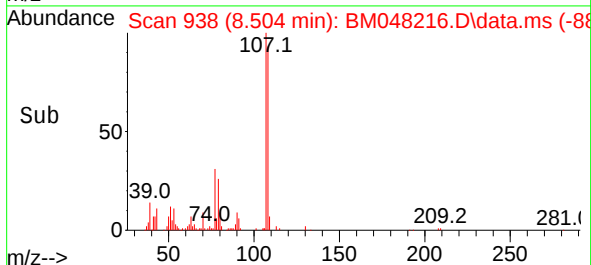
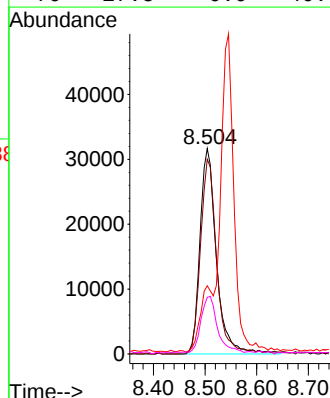
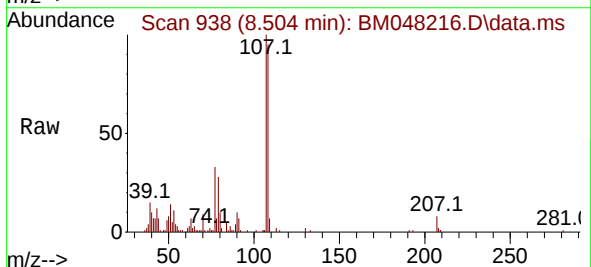
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

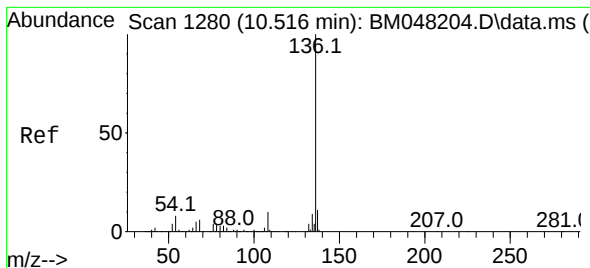
Tgt Ion: 70 Resp: 52164
Ion Ratio Lower Upper
70 100
42 57.8 47.0 70.6
101 10.0 7.8 11.6
130 22.9 18.1 27.1



#20
3+4-Methylphenols
Concen: 5.133 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion: 107 Resp: 70011
Ion Ratio Lower Upper
107 100
108 94.7 69.0 109.0
77 33.2 12.3 52.3
79 27.5 6.9 46.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.510 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:136 Resp: 760664

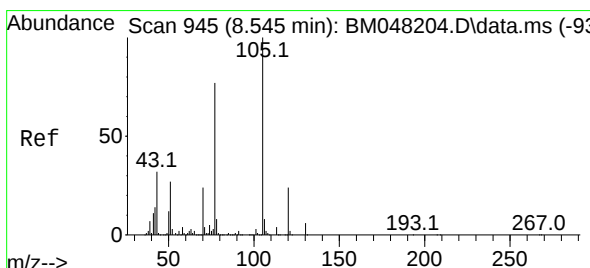
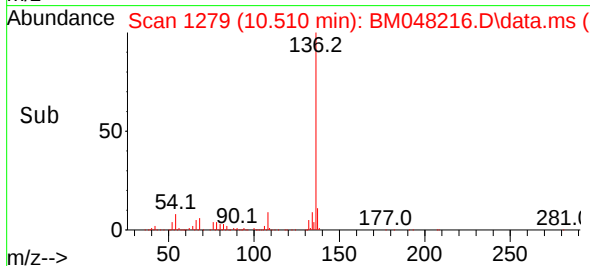
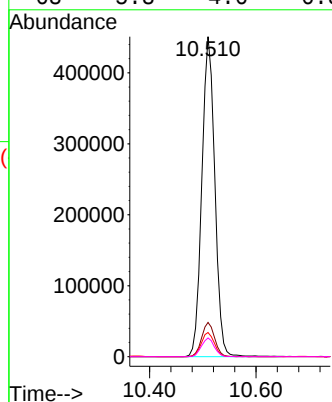
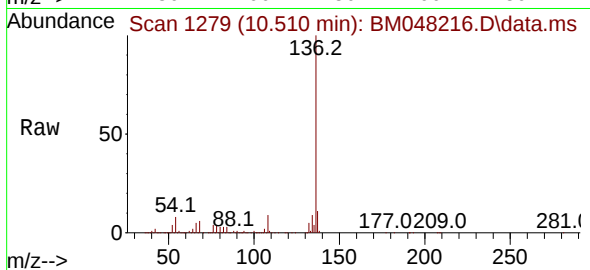
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 6.5 9.7

68 5.8 4.6 6.8



#22

Acetophenone

Concen: 5.950 ng

RT: 8.545 min Scan# 945

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:105 Resp: 110455

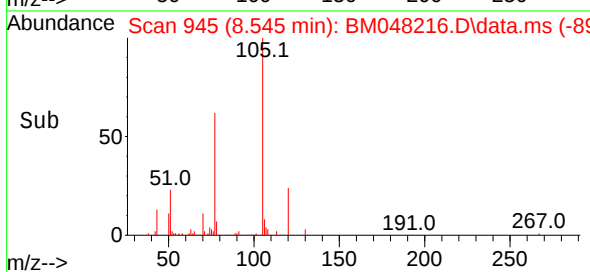
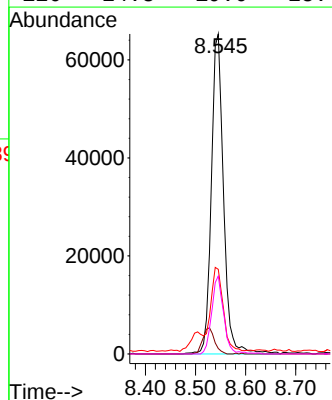
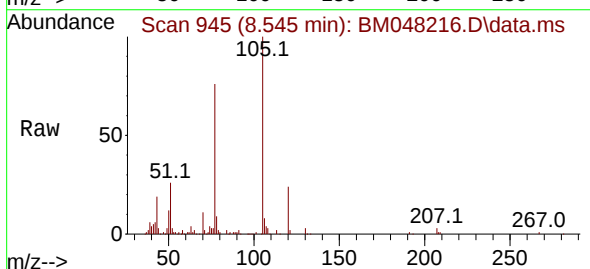
Ion Ratio Lower Upper

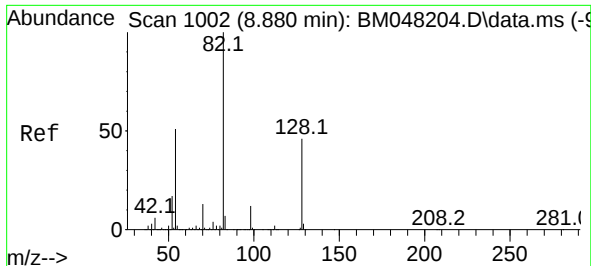
105 100

71 1.7 3.4 5.0#

51 26.4 21.7 32.5

120 24.3 19.0 28.4





#23

Nitrobenzene-d5

Concen: 81.470 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048216.D

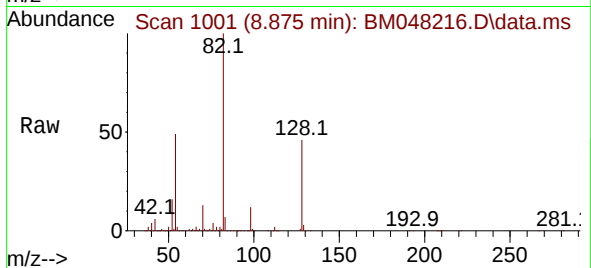
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



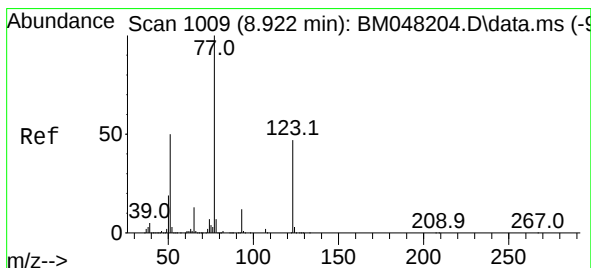
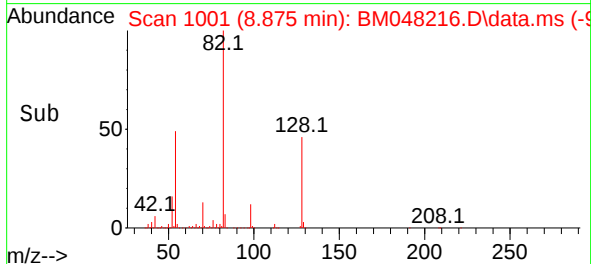
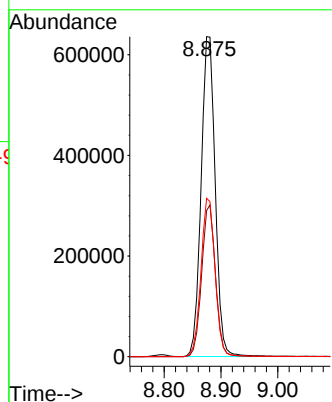
Tgt Ion: 82 Resp: 1097558

Ion Ratio Lower Upper

82 100

128 45.7 36.6 54.8

54 49.5 41.0 61.4



#24

Nitrobenzene

Concen: 5.720 ng

RT: 8.922 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

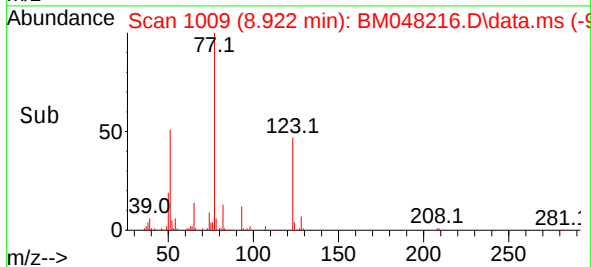
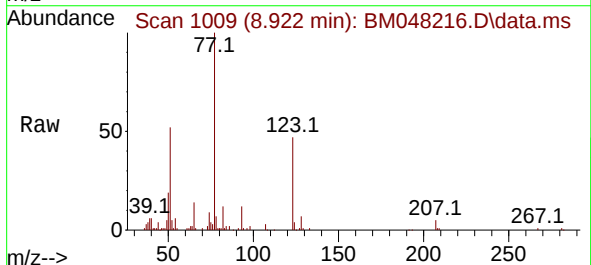
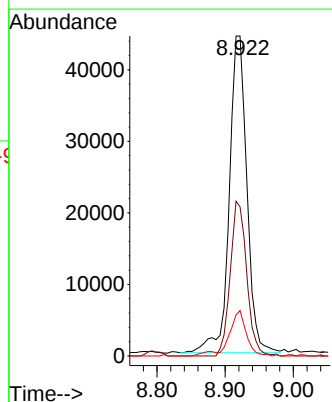
Tgt Ion: 77 Resp: 79841

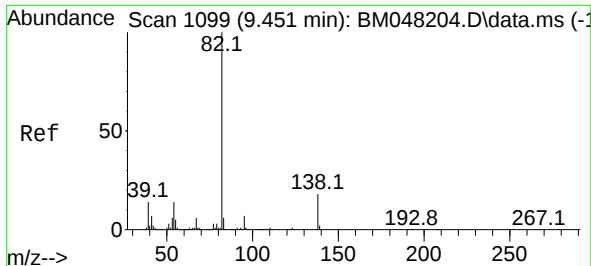
Ion Ratio Lower Upper

77 100

123 46.6 37.8 56.6

65 14.2 10.4 15.6

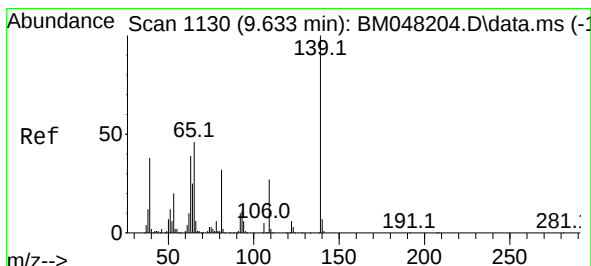
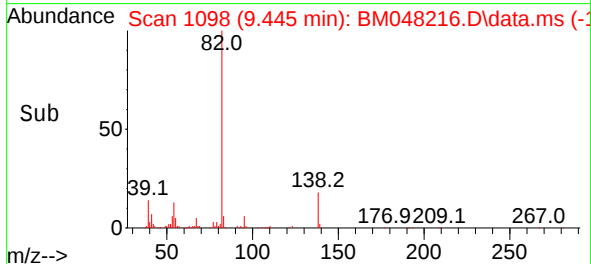
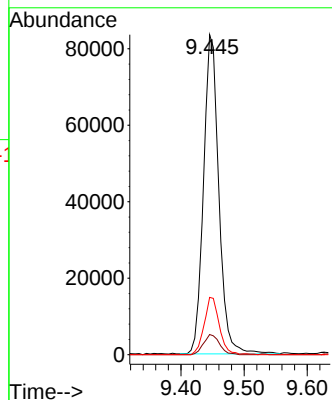
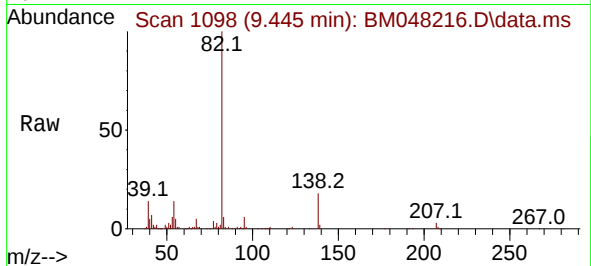




#25
Isophorone
Concen: 5.689 ng
RT: 9.445 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

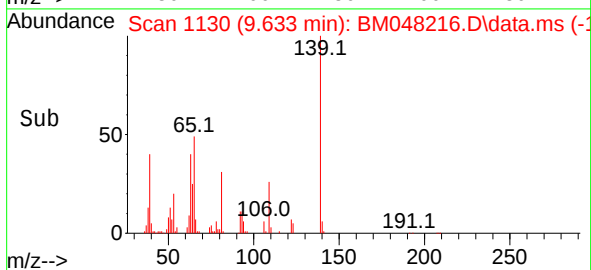
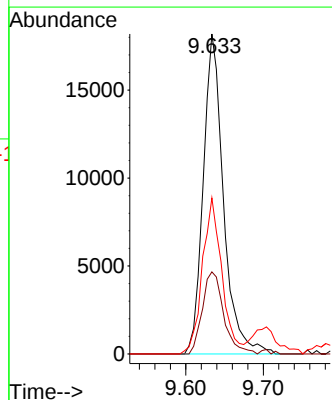
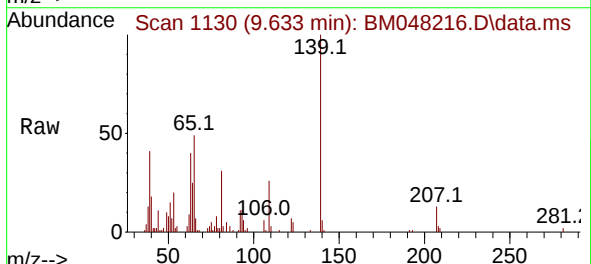
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024

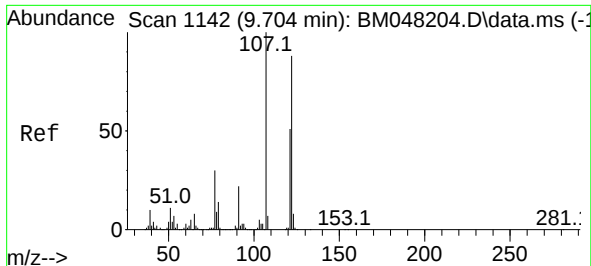
Tgt Ion: 82 Resp: 140494
Ion Ratio Lower Upper
82 100
95 6.3 5.3 7.9
138 17.9 14.3 21.5



#26
2-Nitrophenol
Concen: 5.123 ng
RT: 9.633 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:139 Resp: 33019
Ion Ratio Lower Upper
139 100
109 25.6 21.2 31.8
65 48.8 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 3.304 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

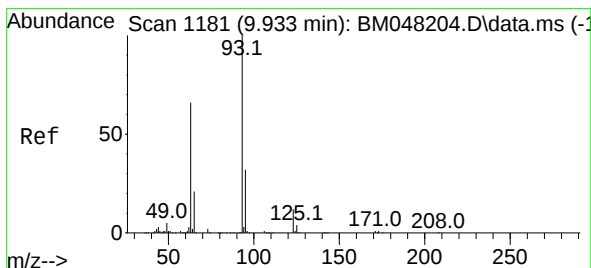
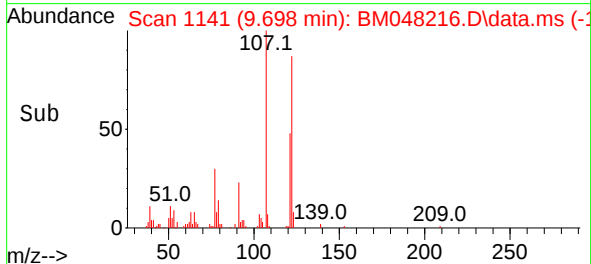
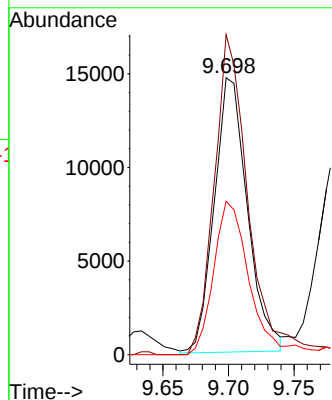
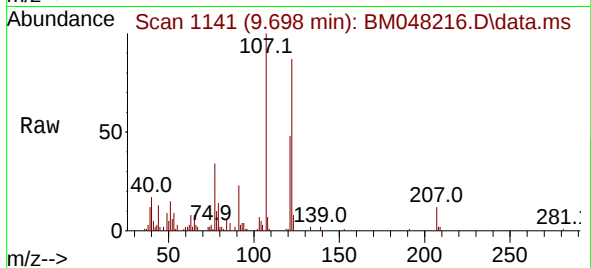
Tgt Ion:122 Resp: 25832

Ion Ratio Lower Upper

122 100

107 115.5 91.0 136.6

121 55.4 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.571 ng

RT: 9.928 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

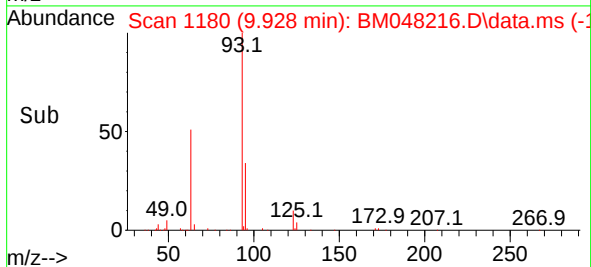
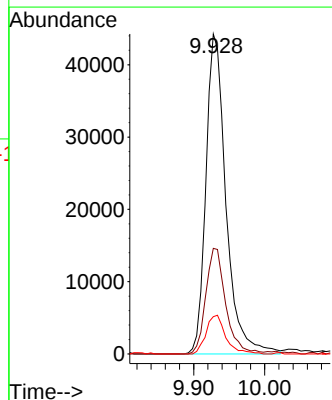
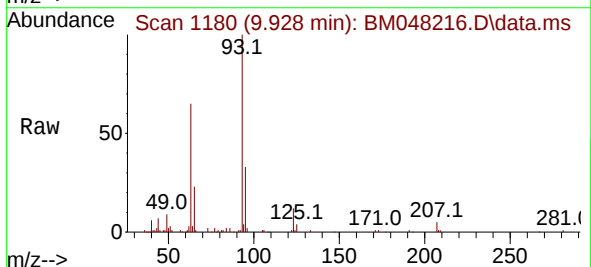
Tgt Ion: 93 Resp: 87058

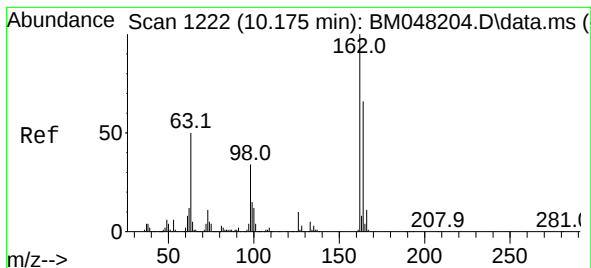
Ion Ratio Lower Upper

93 100

95 33.0 25.3 37.9

123 11.7 9.8 14.6





#29

2,4-Dichlorophenol

Concen: 5.077 ng

RT: 10.181 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

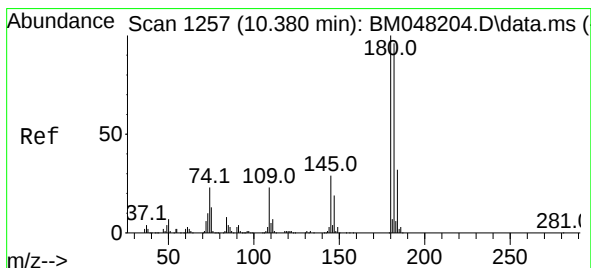
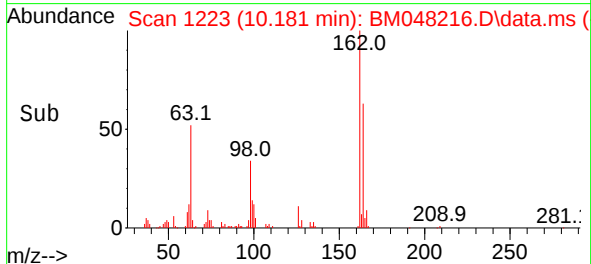
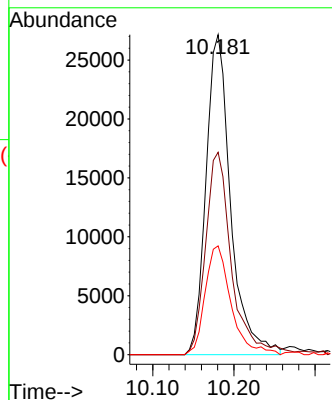
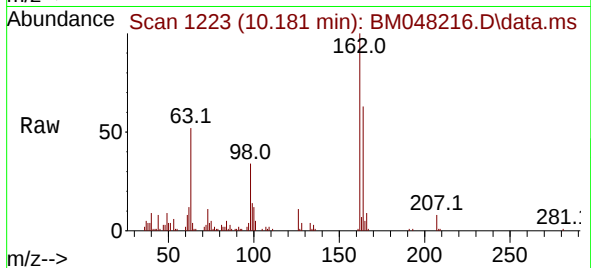
Tgt Ion:162 Resp: 57112

Ion Ratio Lower Upper

162 100

164 63.2 46.0 86.0

98 34.0 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 5.571 ng

RT: 10.375 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

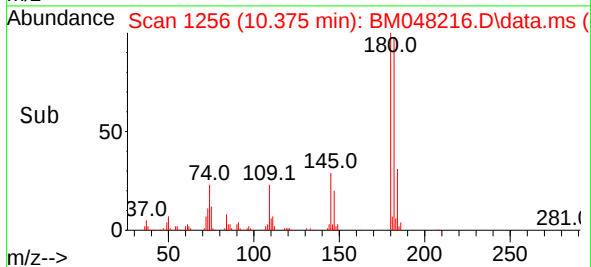
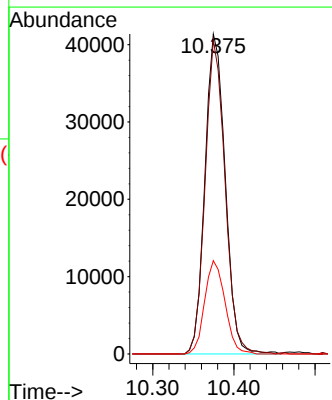
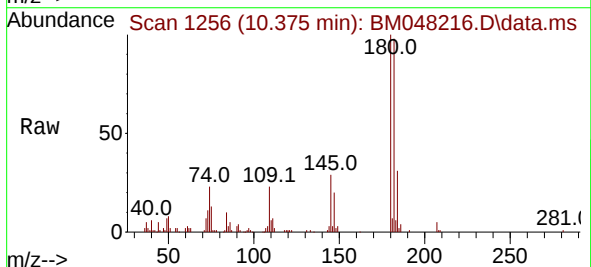
Tgt Ion:180 Resp: 71773

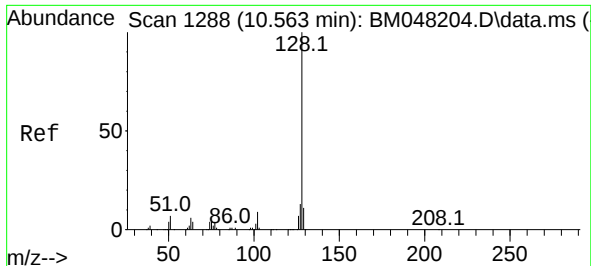
Ion Ratio Lower Upper

180 100

182 98.1 76.6 115.0

145 29.1 23.4 35.2

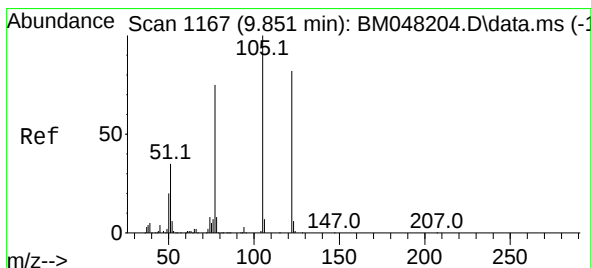
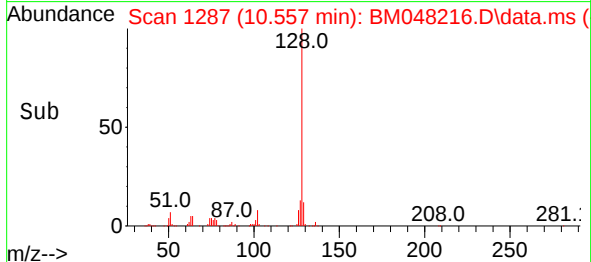
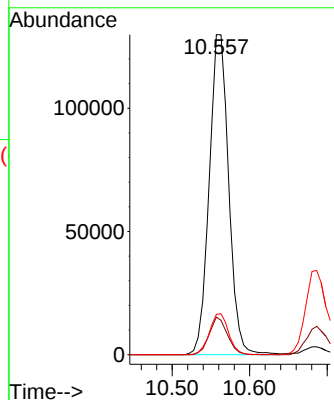
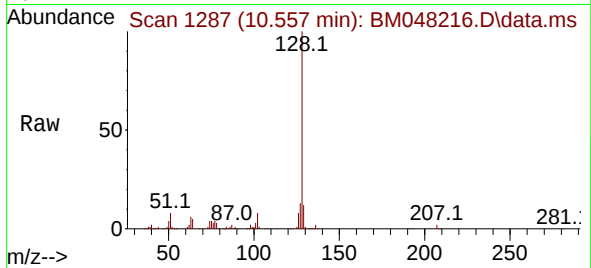




#31
Naphthalene
Concen: 5.723 ng
RT: 10.557 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

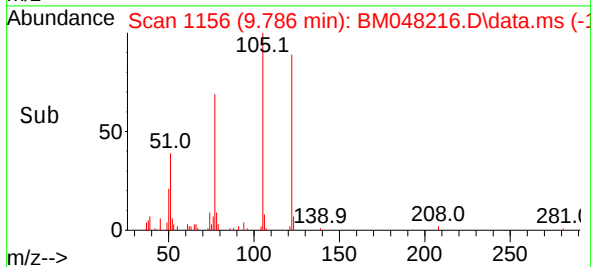
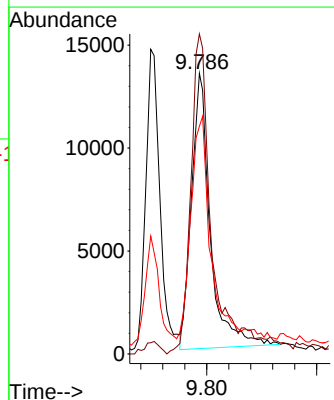
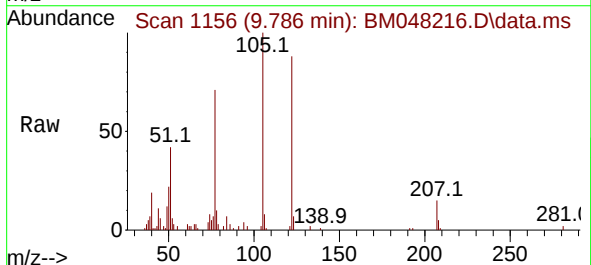
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024

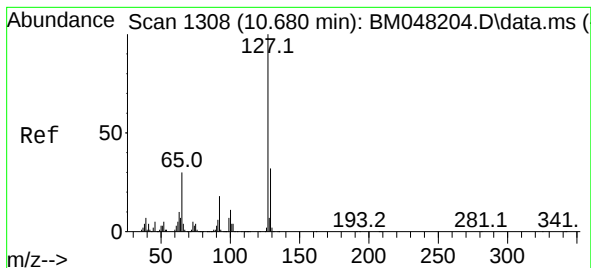
Tgt Ion:128 Resp: 227037
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 12.6 10.2 15.2



#32
Benzoic acid
Concen: 3.640 ng
RT: 9.786 min Scan# 1156
Delta R.T. -0.065 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:122 Resp: 31684
Ion Ratio Lower Upper
122 100
105 114.0 99.3 139.3
77 81.1 70.4 110.4





#33

4-Chloroaniline

Concen: 5.901 ng

RT: 10.686 min Scan# 1308

Delta R.T. 0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 75929

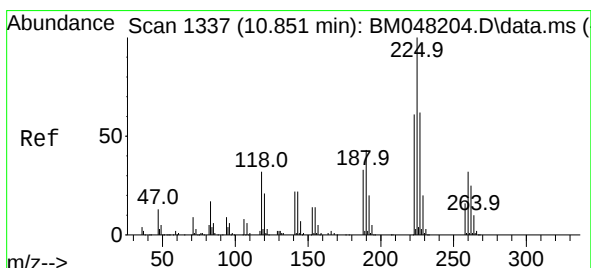
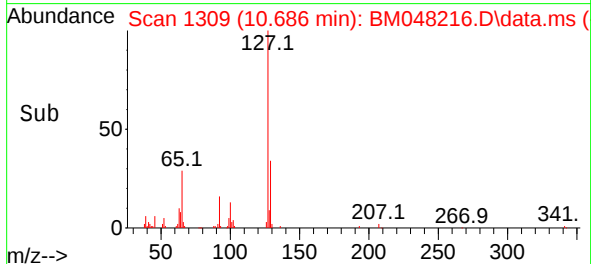
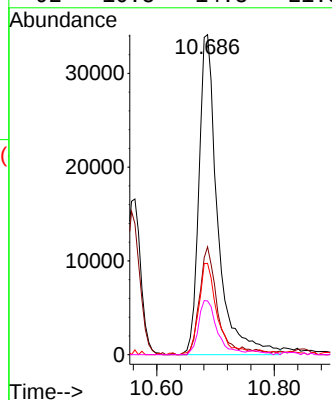
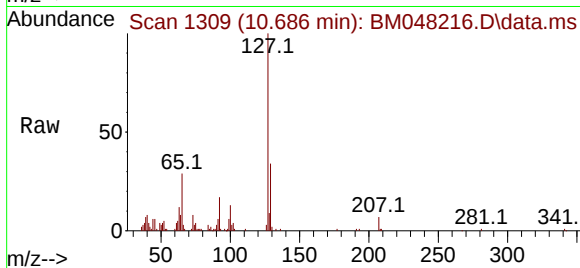
Ion Ratio Lower Upper

127 100

129 33.7 25.8 38.6

65 28.6 23.7 35.5

92 16.8 14.3 21.5



#34

Hexachlorobutadiene

Concen: 5.468 ng

RT: 10.845 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

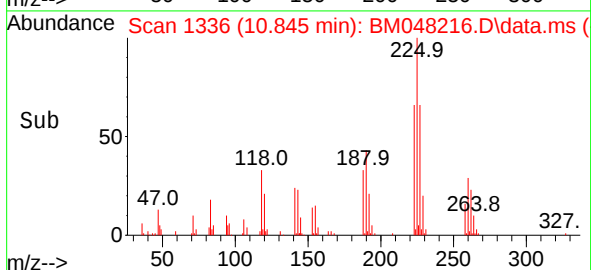
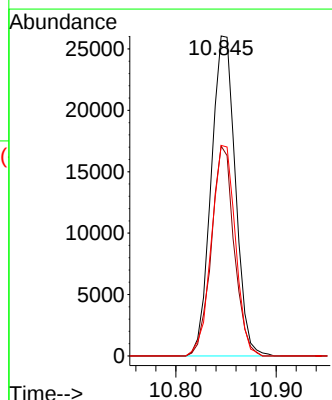
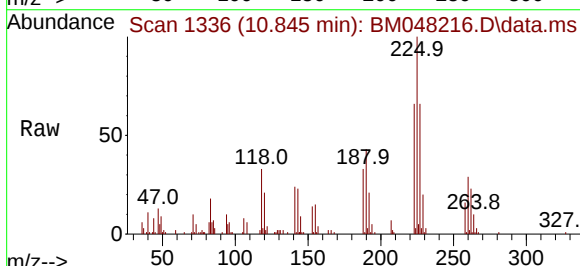
Tgt Ion:225 Resp: 43662

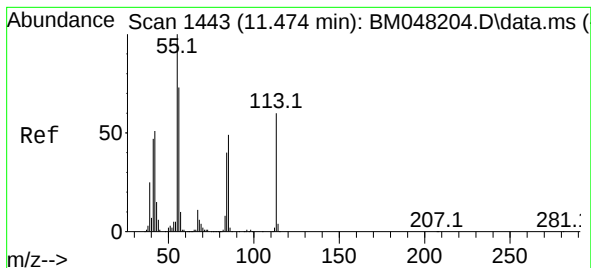
Ion Ratio Lower Upper

225 100

223 65.6 48.6 73.0

227 65.8 49.6 74.4





#35

Caprolactam

Concen: 5.146 ng

RT: 11.457 min Scan# 1440

Delta R.T. -0.018 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

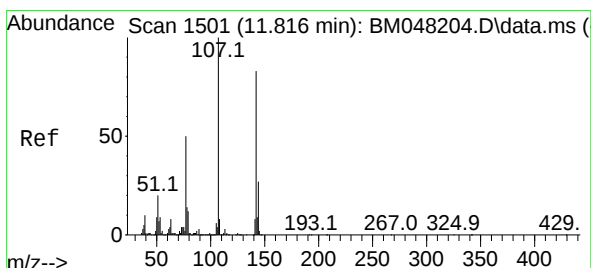
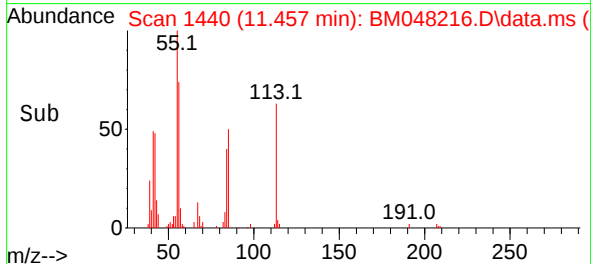
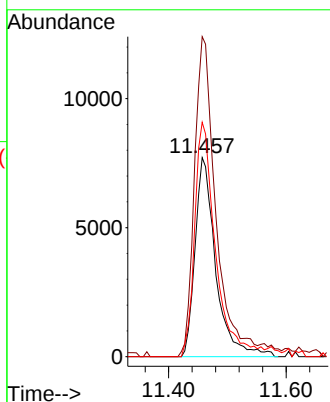
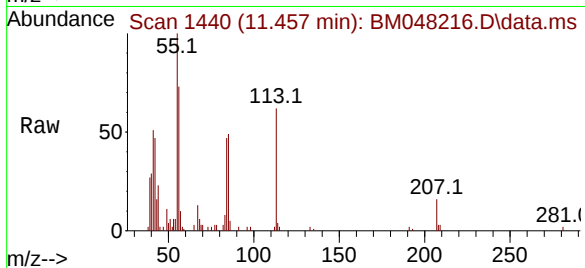
Tgt Ion:113 Resp: 18804

Ion Ratio Lower Upper

113 100

55 160.8 146.1 186.1

56 117.8 101.9 141.9



#36

4-Chloro-3-methylphenol

Concen: 5.213 ng

RT: 11.816 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

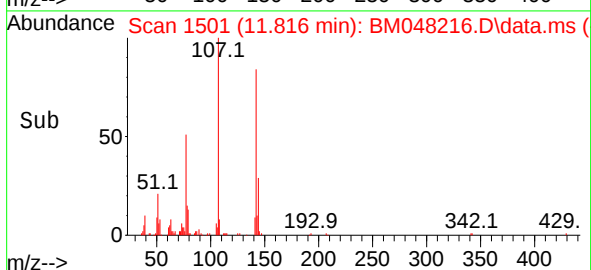
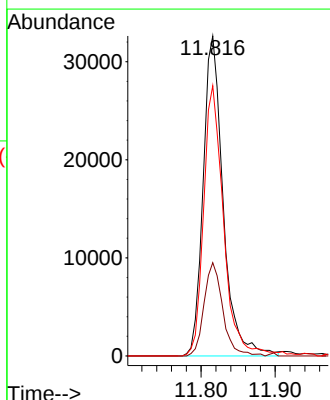
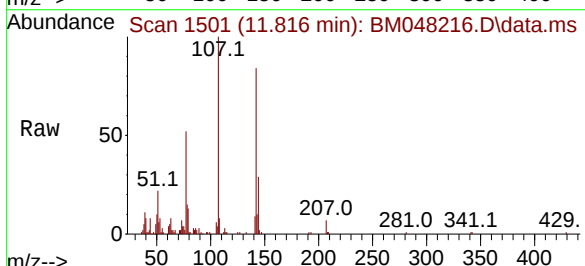
Tgt Ion:107 Resp: 61210

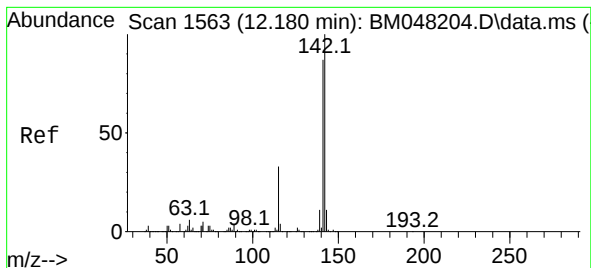
Ion Ratio Lower Upper

107 100

144 29.1 21.5 32.3

142 84.4 66.8 100.2





#37

2-Methylnaphthalene

Concen: 5.698 ng

RT: 12.180 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

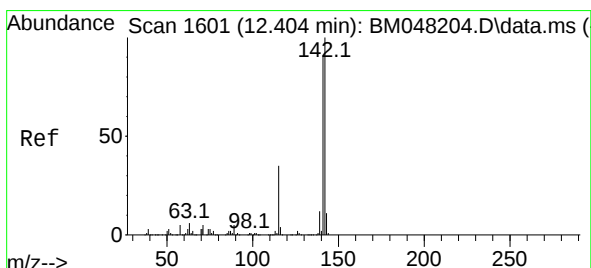
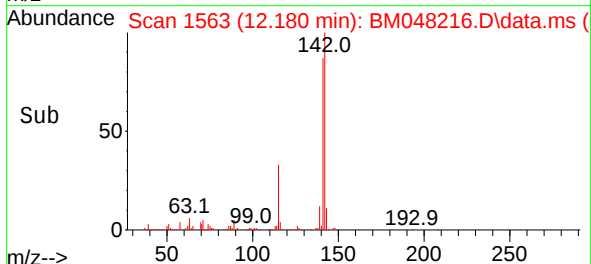
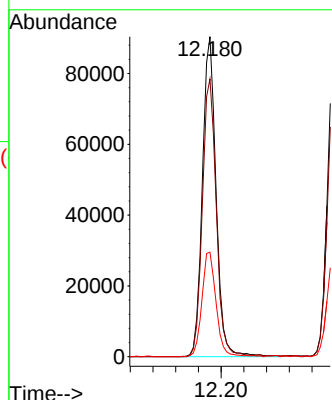
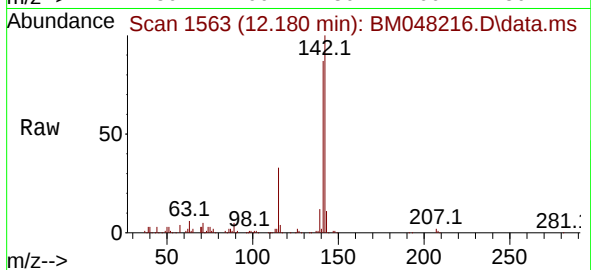
Tgt Ion:142 Resp: 151050

Ion Ratio Lower Upper

142 100

141 86.8 69.8 104.6

115 32.7 26.3 39.5



#38

1-Methylnaphthalene

Concen: 5.331 ng

RT: 12.398 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

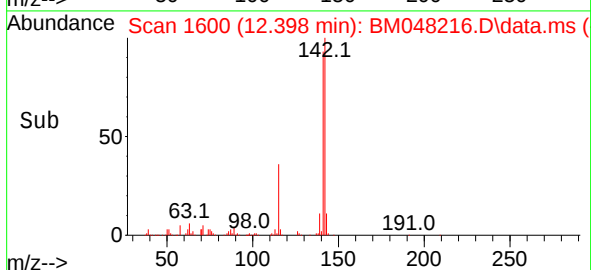
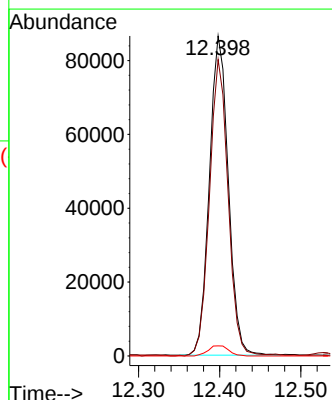
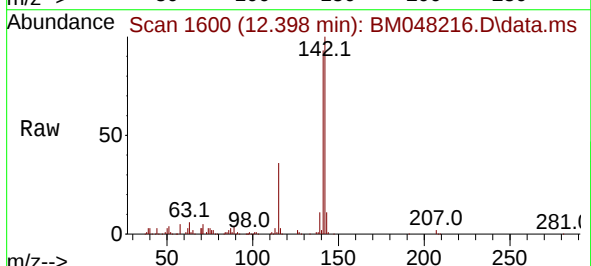
Tgt Ion:142 Resp: 140116

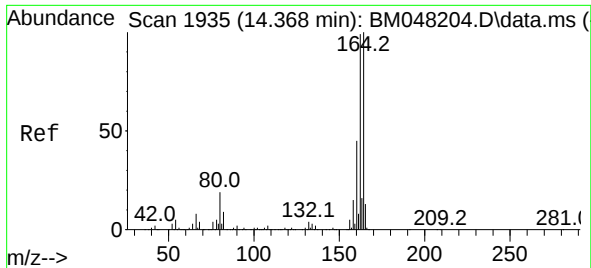
Ion Ratio Lower Upper

142 100

141 92.7 72.7 109.1

116 3.2 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

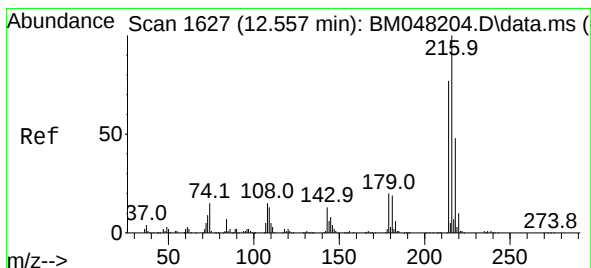
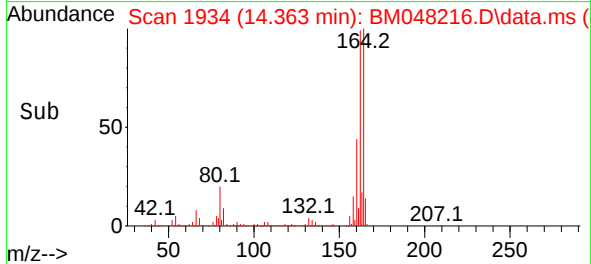
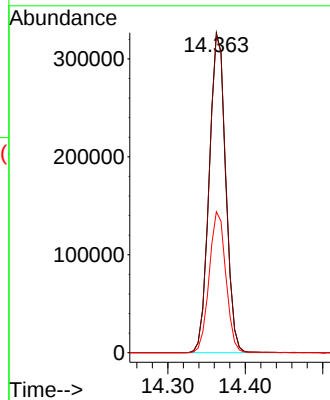
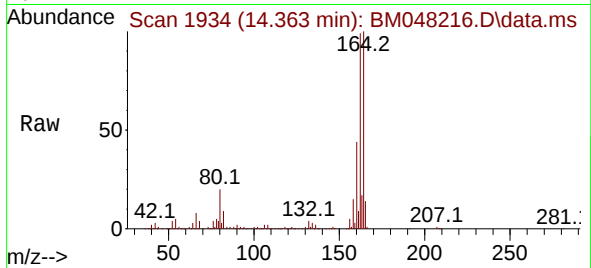
Tgt Ion:164 Resp: 481809

Ion Ratio Lower Upper

164 100

162 99.4 79.1 118.7

160 44.0 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.835 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:216 Resp: 80348

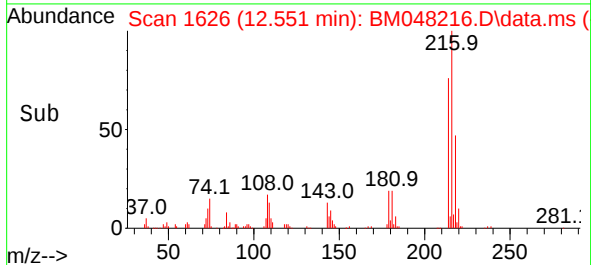
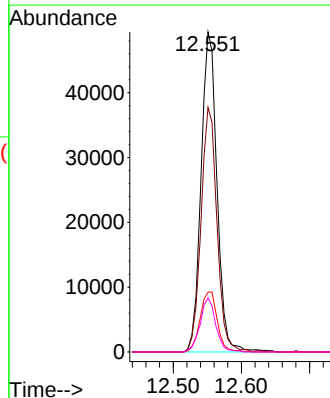
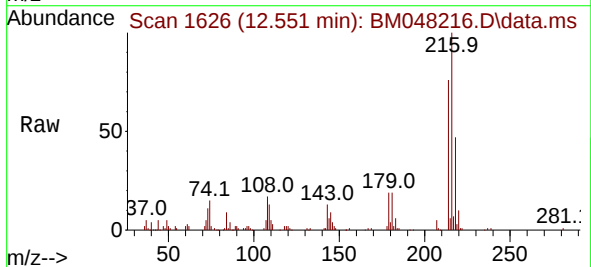
Ion Ratio Lower Upper

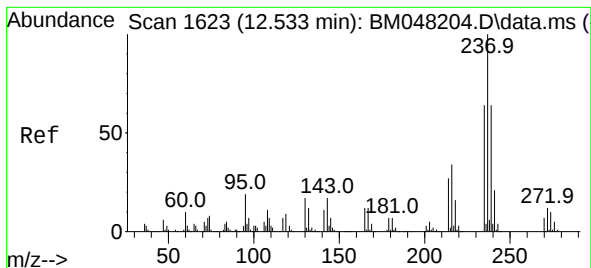
216 100

214 76.3 62.2 93.2

179 20.2 16.0 24.0

108 16.6 13.8 20.8





#41

Hexachlorocyclopentadiene

Concen: 1.894 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

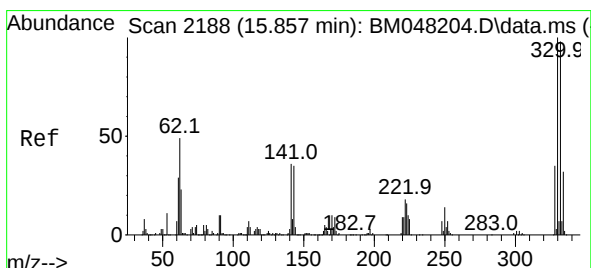
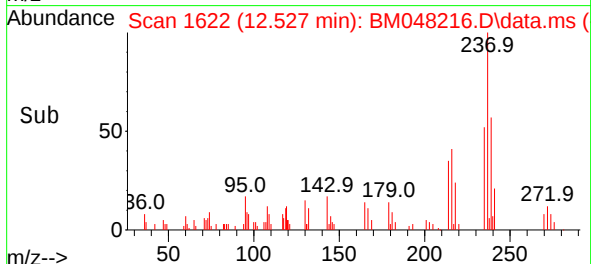
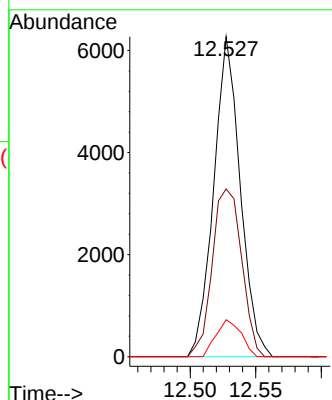
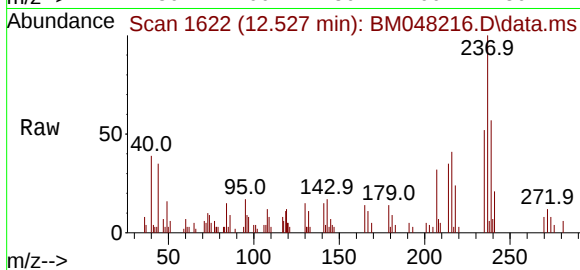
Tgt Ion:237 Resp: 8824

Ion Ratio Lower Upper

237 100

235 52.4 44.2 84.2

272 11.5 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 114.864 ng

RT: 15.857 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

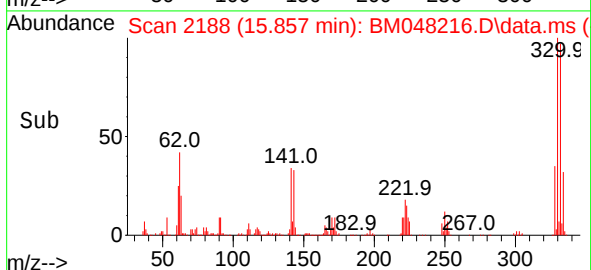
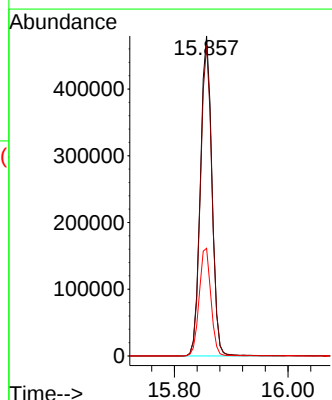
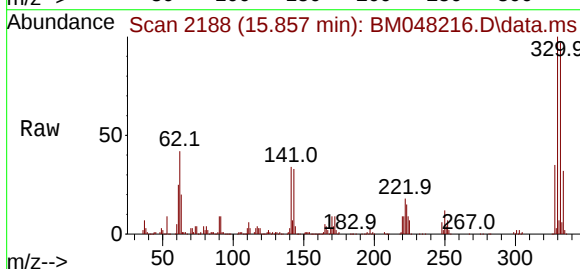
Tgt Ion:330 Resp: 677396

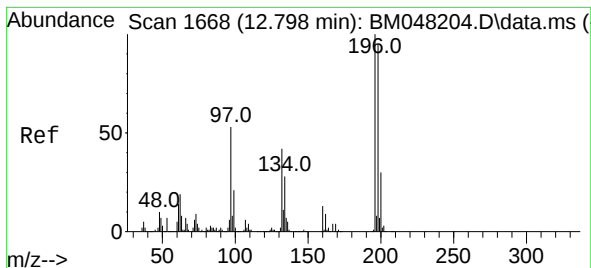
Ion Ratio Lower Upper

330 100

332 96.7 77.5 116.3

141 34.2 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 5.310 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

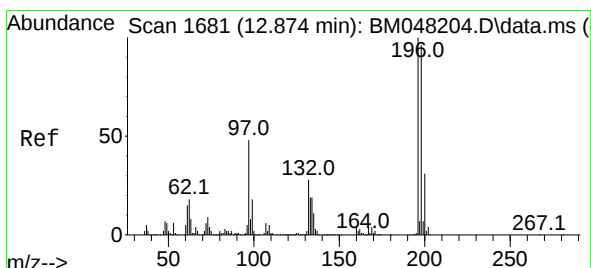
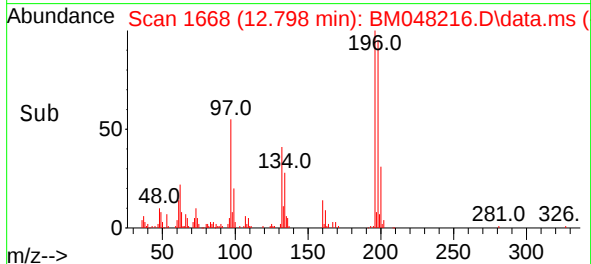
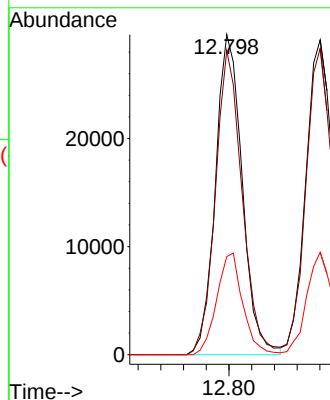
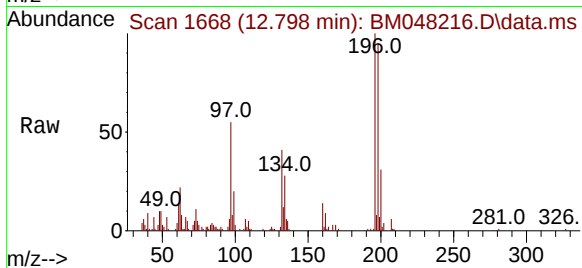
Tgt Ion:196 Resp: 48526

Ion Ratio Lower Upper

196 100

198 95.1 76.2 114.2

200 30.7 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 5.259 ng

RT: 12.880 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:196 Resp: 53594

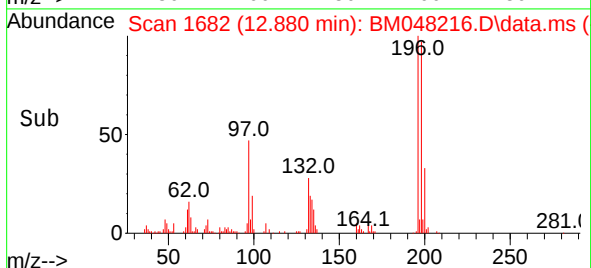
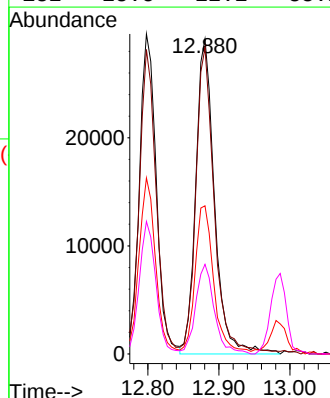
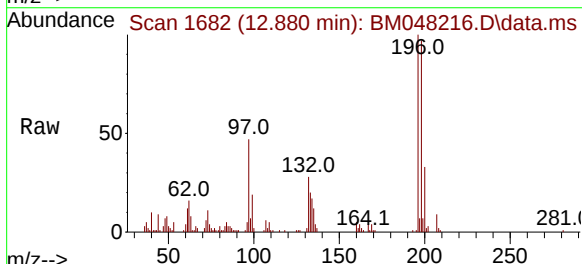
Ion Ratio Lower Upper

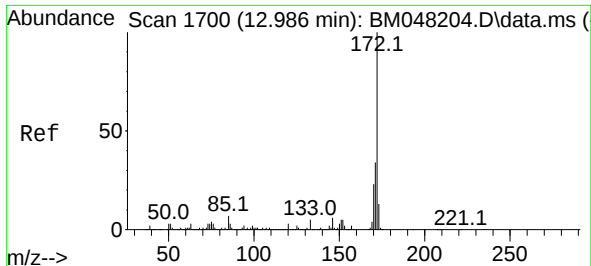
196 100

198 97.2 76.7 115.1

97 47.1 38.5 57.7

132 28.5 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 81.851 ng

RT: 12.986 min Scan# 1700

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

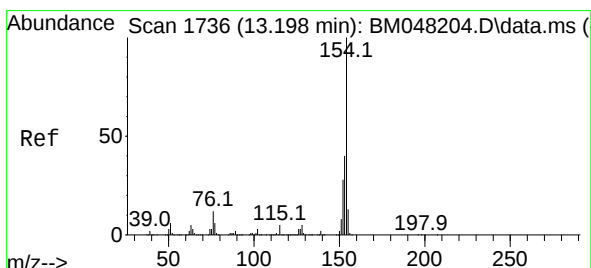
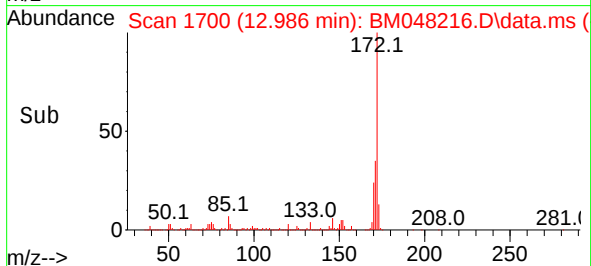
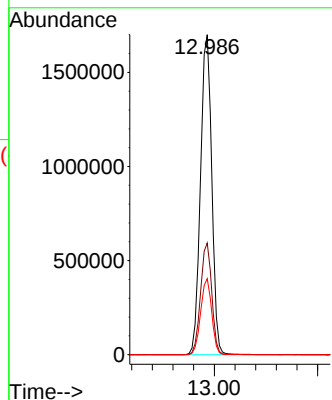
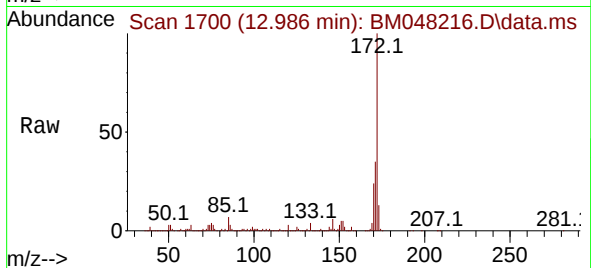
Tgt Ion:172 Resp: 2570014

Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 23.8 18.5 27.7



#46

1,1'-Biphenyl

Concen: 6.166 ng

RT: 13.198 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

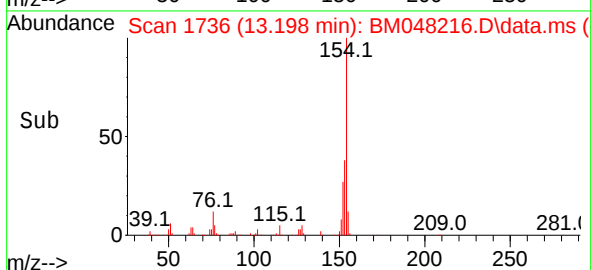
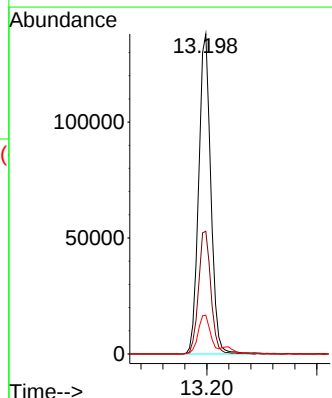
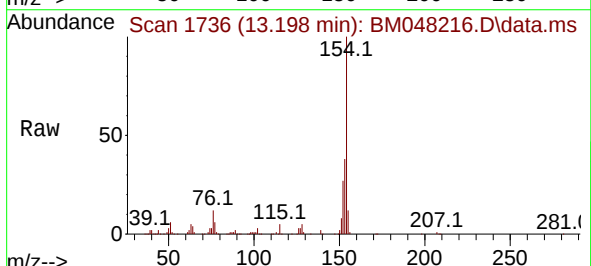
Tgt Ion:154 Resp: 212115

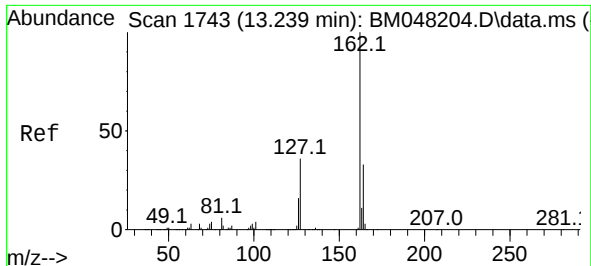
Ion Ratio Lower Upper

154 100

153 38.3 19.9 59.9

76 12.1 0.0 32.4





#47

2-Chloronaphthalene

Concen: 5.720 ng

RT: 13.239 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

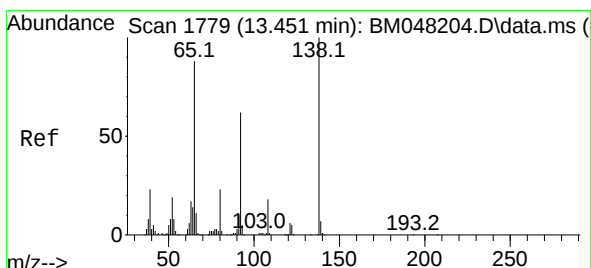
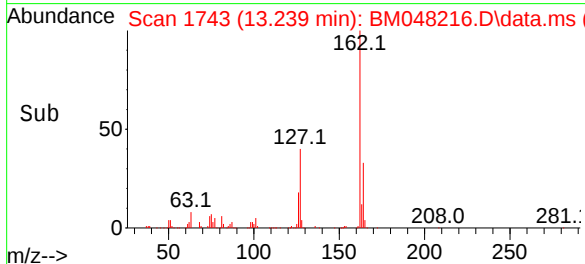
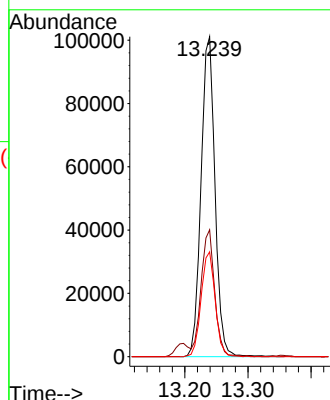
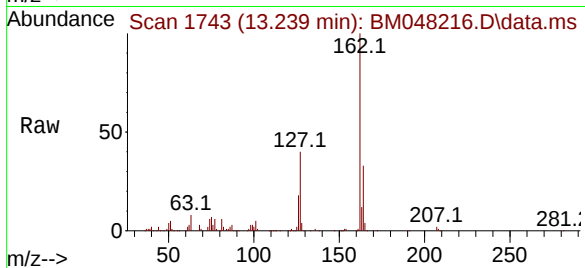
Tgt Ion:162 Resp: 155142

Ion Ratio Lower Upper

162 100

127 39.6 31.0 46.6

164 32.8 26.2 39.4



#48

2-Nitroaniline

Concen: 5.132 ng

RT: 13.451 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

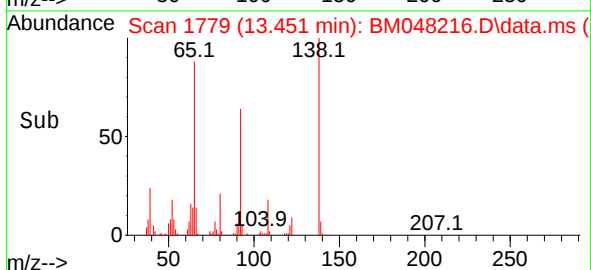
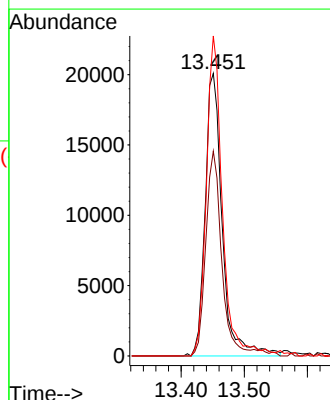
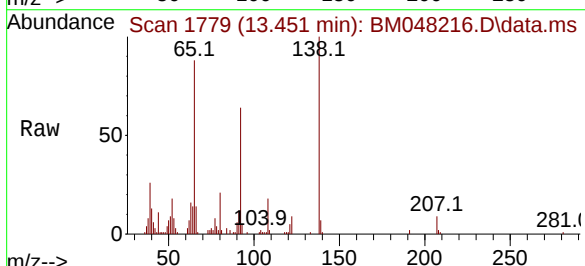
Tgt Ion: 65 Resp: 37751

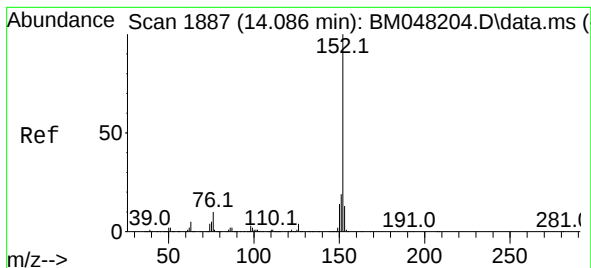
Ion Ratio Lower Upper

65 100

92 72.5 56.0 84.0

138 113.3 90.8 136.2





#49

Acenaphthylene

Concen: 6.199 ng

RT: 14.086 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

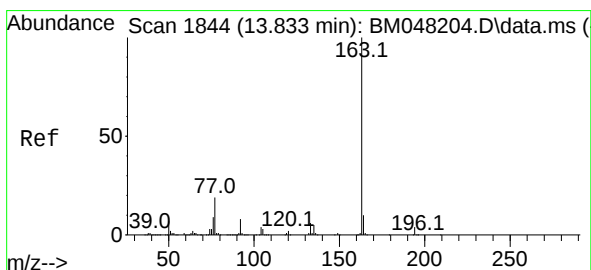
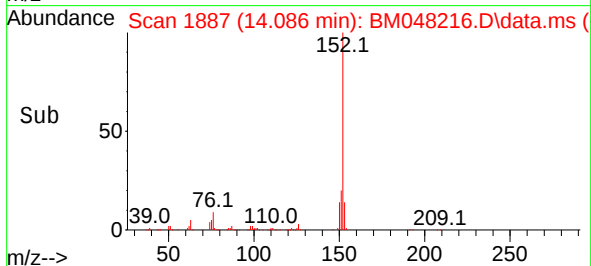
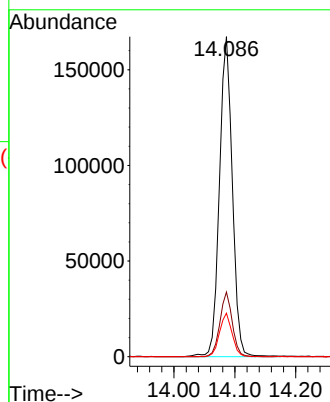
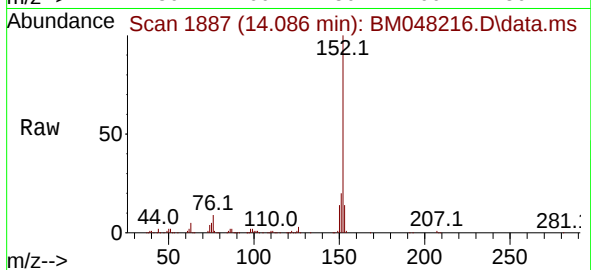
Tgt Ion:152 Resp: 245299

Ion Ratio Lower Upper

152 100

151 20.2 15.4 23.2

153 13.6 10.5 15.7



#50

Dimethylphthalate

Concen: 5.884 ng

RT: 13.821 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

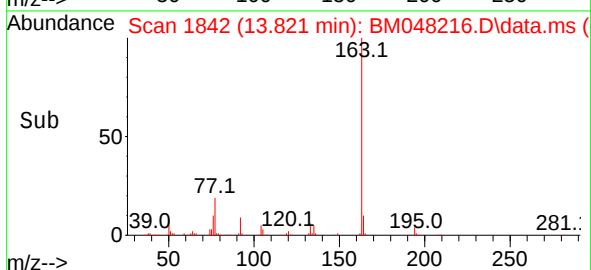
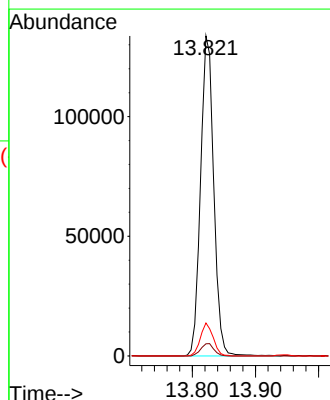
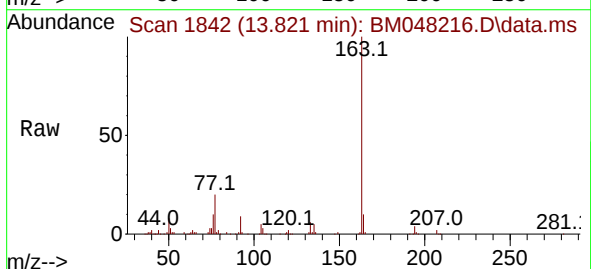
Tgt Ion:163 Resp: 193522

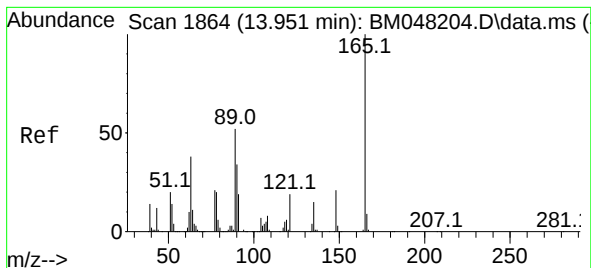
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.3 7.8 11.6

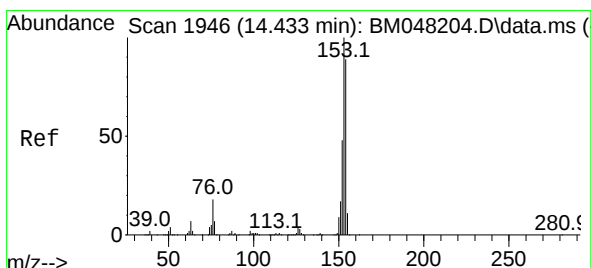
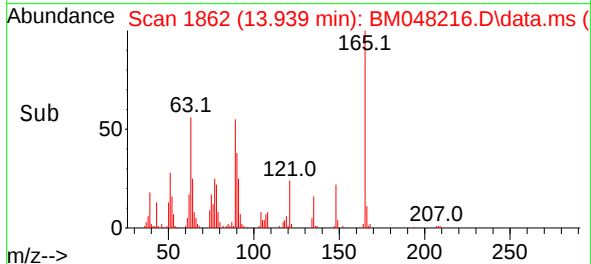
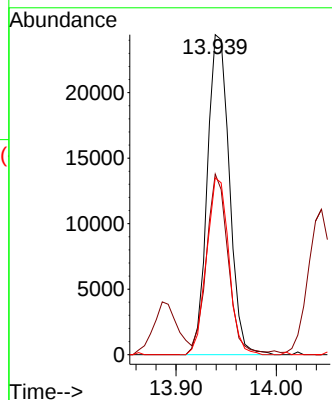
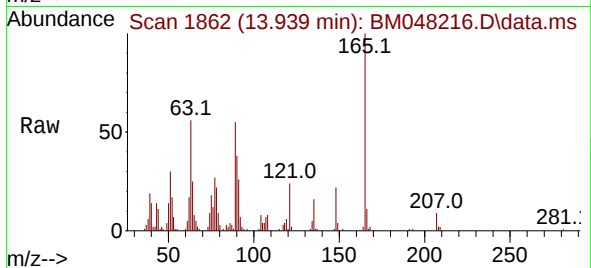




#51
2,6-Dinitrotoluene
Concen: 5.099 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

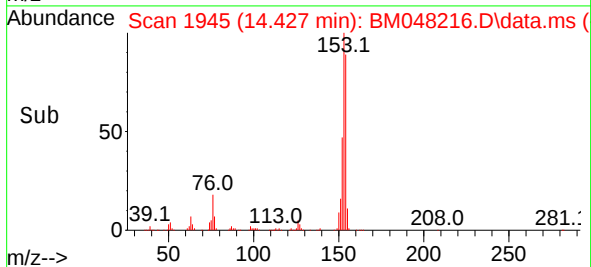
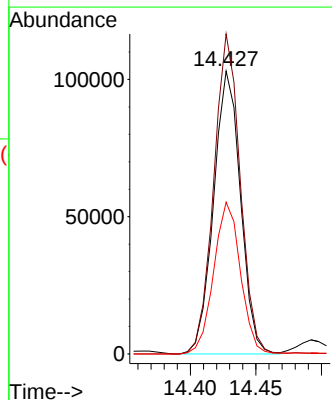
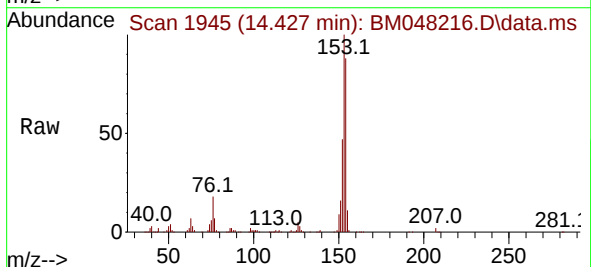
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

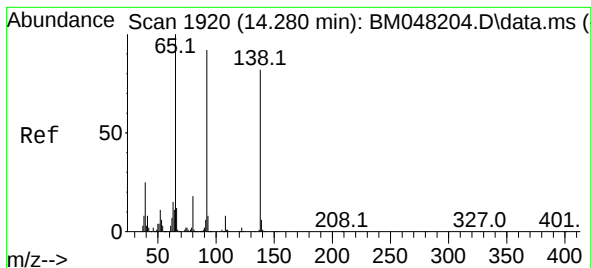
Tgt Ion:165 Resp: 37419
Ion Ratio Lower Upper
165 100
63 56.5 39.5 59.3
89 55.3 41.8 62.6



#52
Acenaphthene
Concen: 5.843 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:154 Resp: 146921
Ion Ratio Lower Upper
154 100
153 113.1 90.4 135.6
152 53.6 43.6 65.4





#53

3-Nitroaniline

Concen: 4.840 ng

RT: 14.280 min Scan# 1920

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

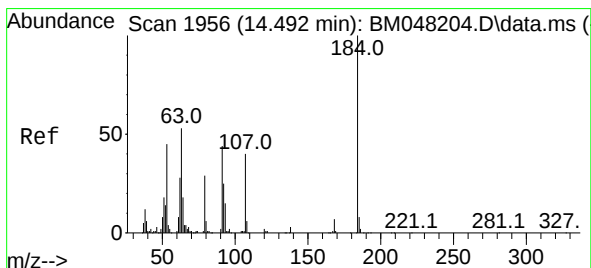
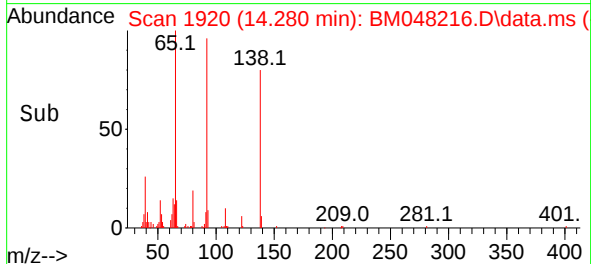
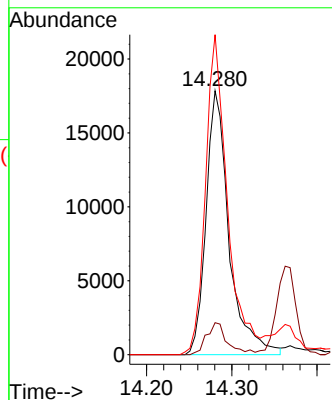
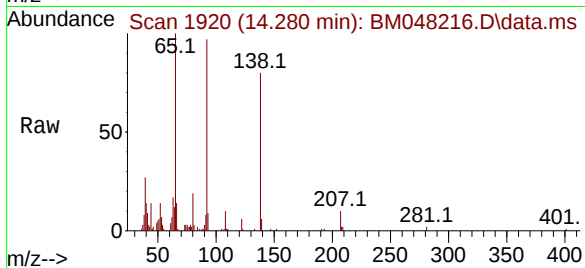
Tgt Ion:138 Resp: 33498

Ion Ratio Lower Upper

138 100

108 12.1 7.5 11.3#

92 121.3 89.7 134.5



#54

2,4-Dinitrophenol

Concen: 3.674 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

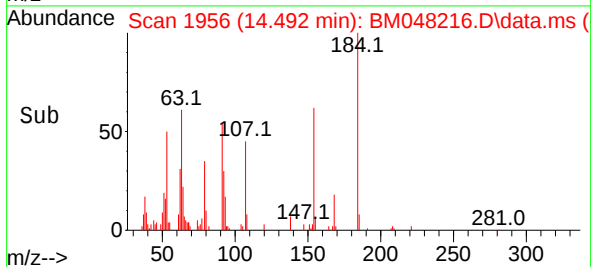
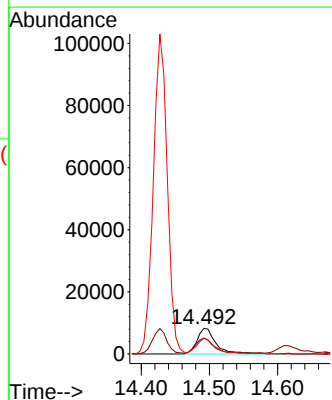
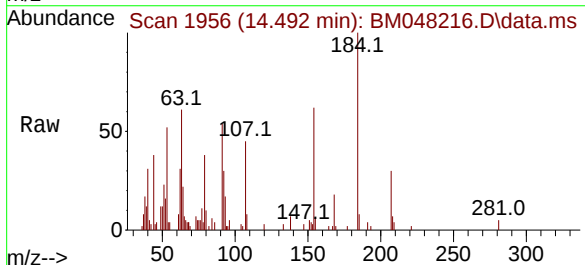
Tgt Ion:184 Resp: 15755

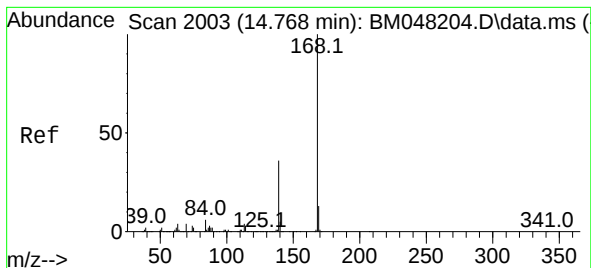
Ion Ratio Lower Upper

184 100

63 61.3 47.2 70.8

154 62.5 46.0 69.0





#55

Dibenzenofuran

Concen: 6.032 ng

RT: 14.763 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

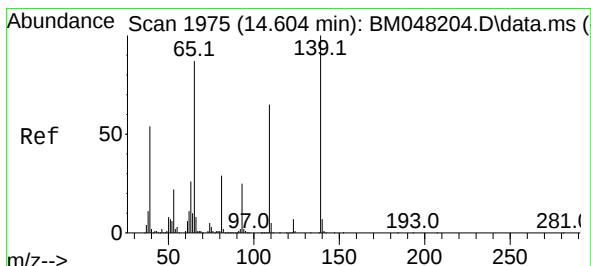
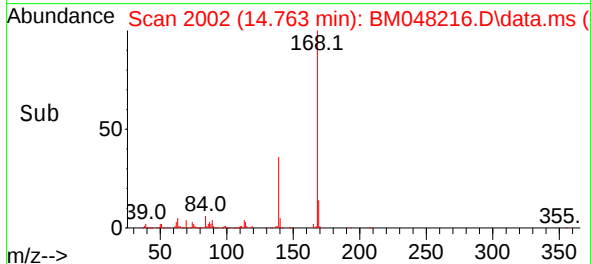
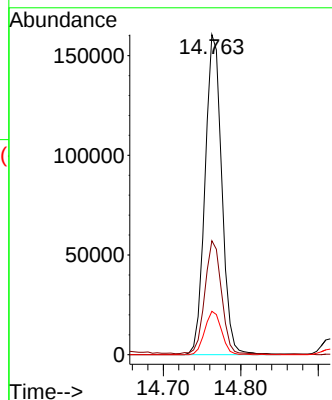
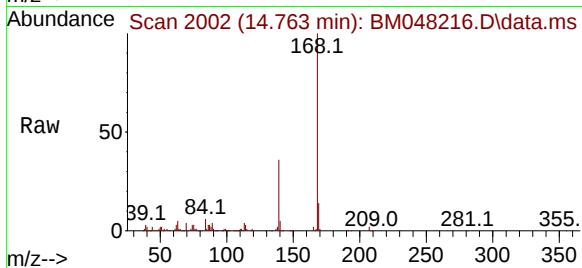
Tgt Ion:168 Resp: 240967

Ion Ratio Lower Upper

168 100

139 35.6 29.0 43.6

169 13.6 10.4 15.6



#56

4-Nitrophenol

Concen: 3.826 ng

RT: 14.616 min Scan# 1977

Delta R.T. 0.012 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

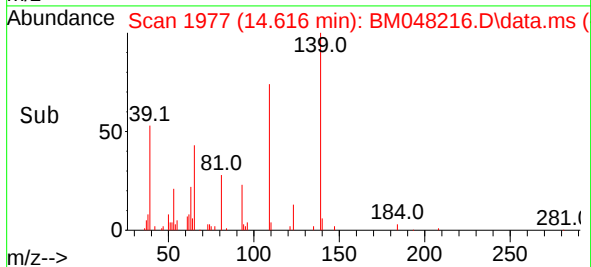
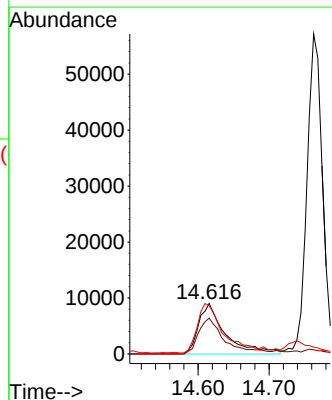
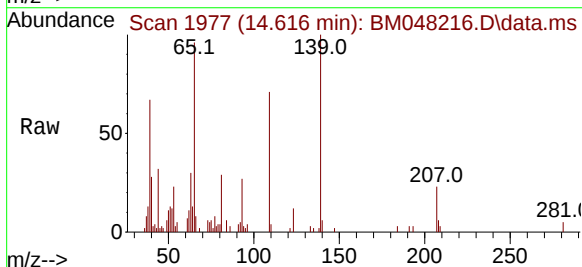
Tgt Ion:139 Resp: 23636

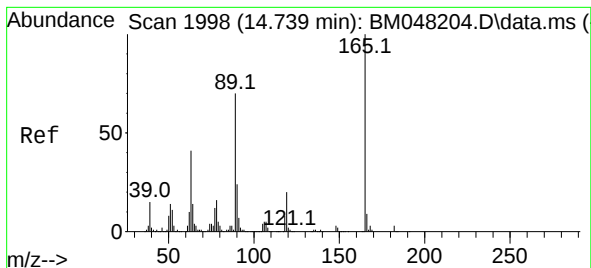
Ion Ratio Lower Upper

139 100

109 71.2 45.4 85.4

65 96.3 67.3 107.3





#57

2,4-Dinitrotoluene

Concen: 4.877 ng

RT: 14.739 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 47269

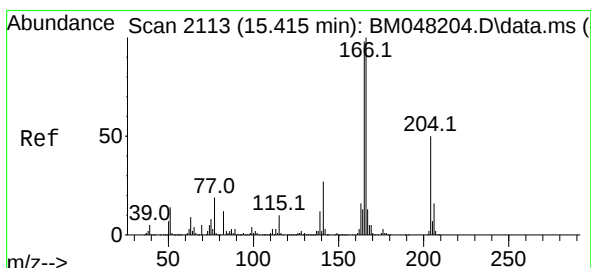
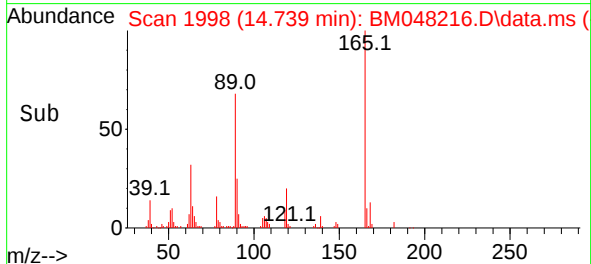
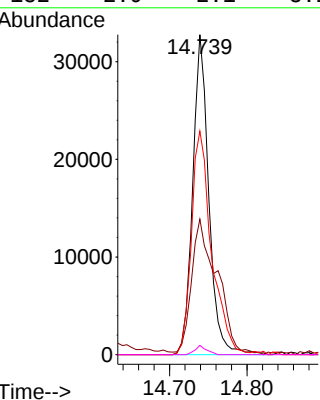
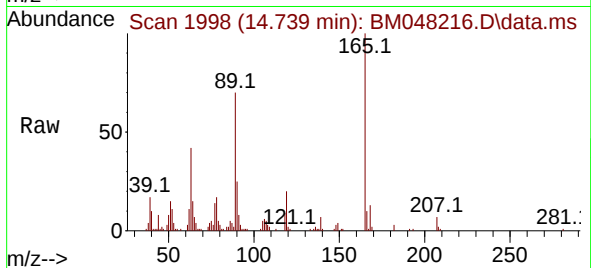
Ion Ratio Lower Upper

165 100

63 42.3 33.0 49.4

89 69.9 55.8 83.6

182 2.9 2.1 3.1



#58

Fluorene

Concen: 5.915 ng

RT: 15.415 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

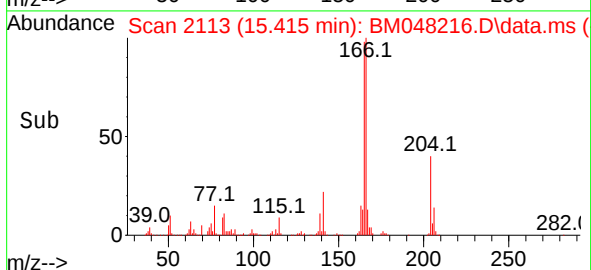
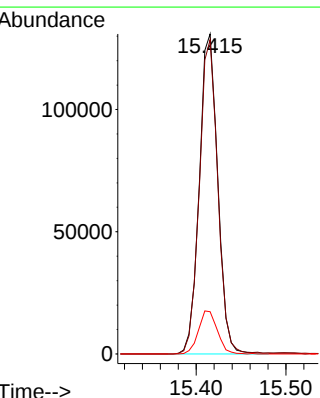
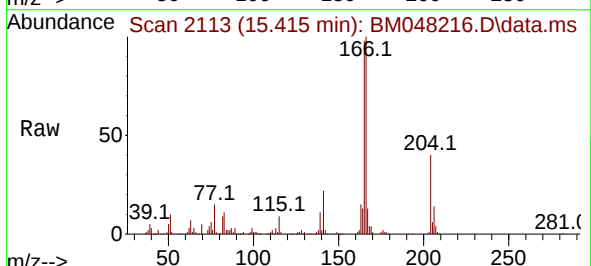
Tgt Ion:166 Resp: 186834

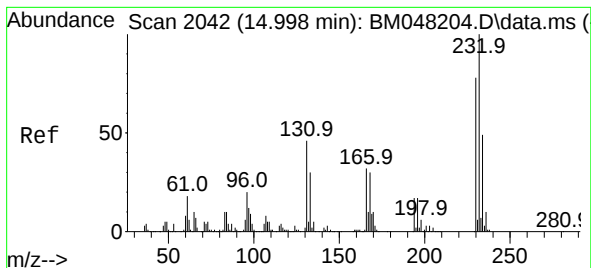
Ion Ratio Lower Upper

166 100

165 98.2 78.4 117.6

167 13.2 10.8 16.2

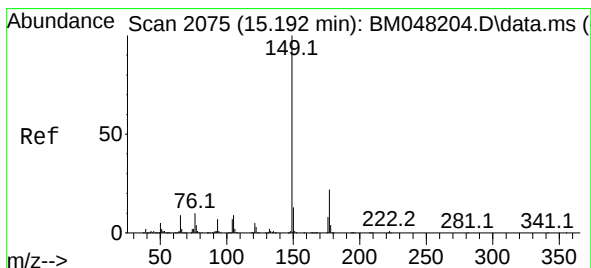
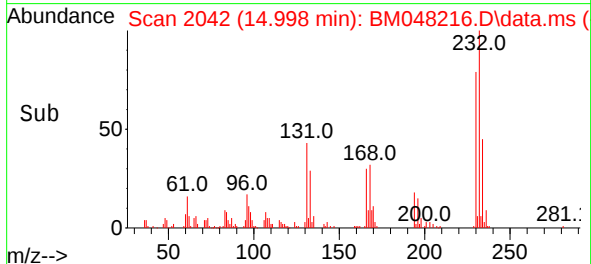
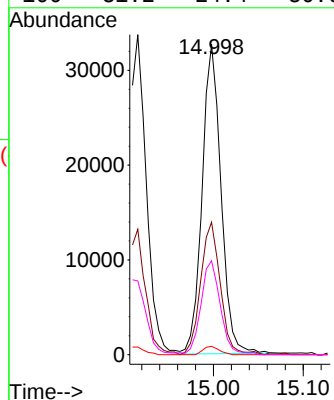
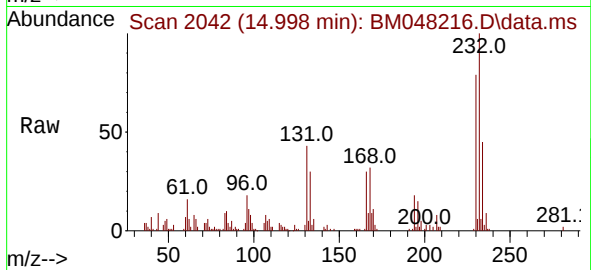




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.666 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

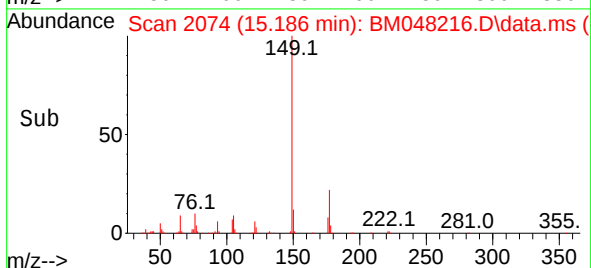
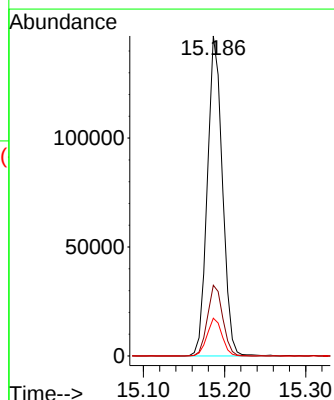
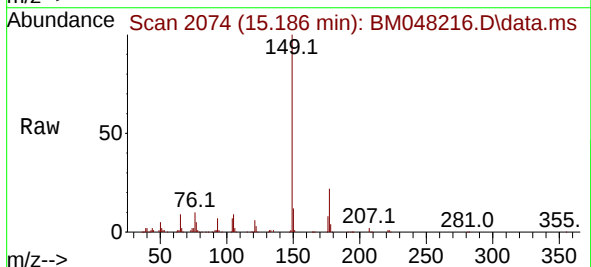
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

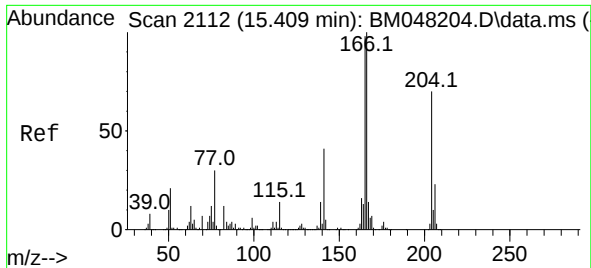
Tgt Ion:	232	Resp:	47858
Ion Ratio	Lower	Upper	
232	100		
131	44.4	35.5	53.3
130	2.3	1.8	2.6
166	31.2	24.4	36.6



#60
Diethylphthalate
Concen: 5.668 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:	149	Resp:	188773
Ion Ratio	Lower	Upper	
149	100		
177	22.1	17.5	26.3
150	11.8	10.1	15.1

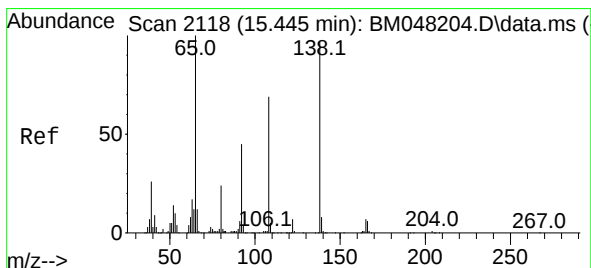
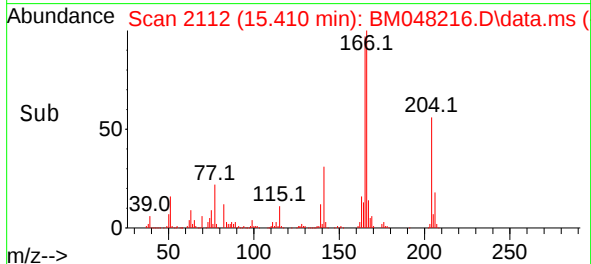
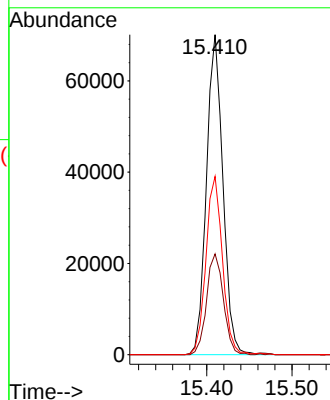
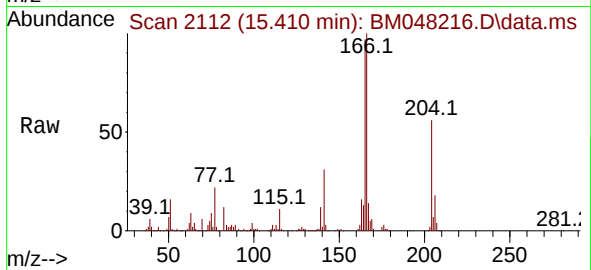




#61
4-Chlorophenyl-phenylether
Concen: 5.956 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

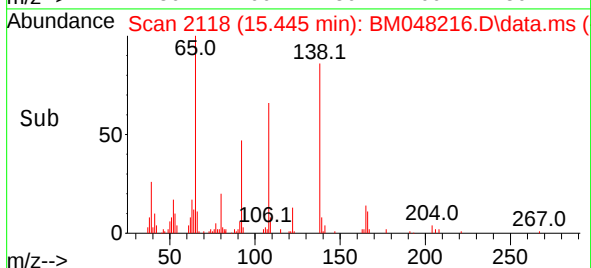
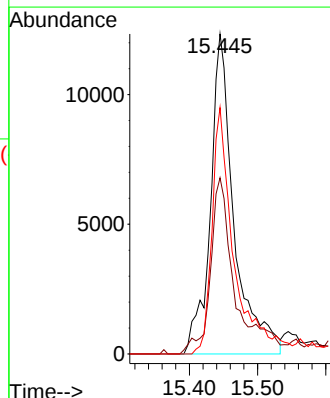
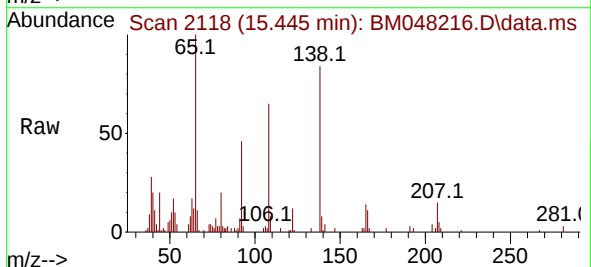
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

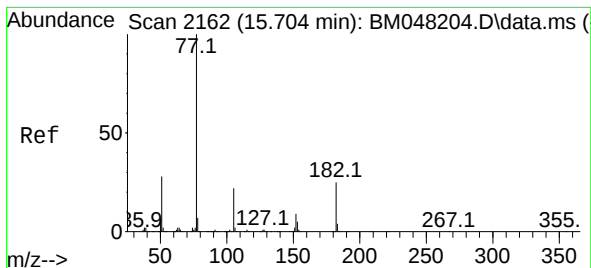
Tgt Ion:204 Resp: 94075
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.4
141 55.7 47.0 70.6



#62
4-Nitroaniline
Concen: 4.180 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:138 Resp: 29940
Ion Ratio Lower Upper
138 100
92 55.1 26.9 66.9
108 77.0 51.3 91.3





#63

Azobenzene

Concen: 5.668 ng

RT: 15.704 min Scan# 2162

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 169180

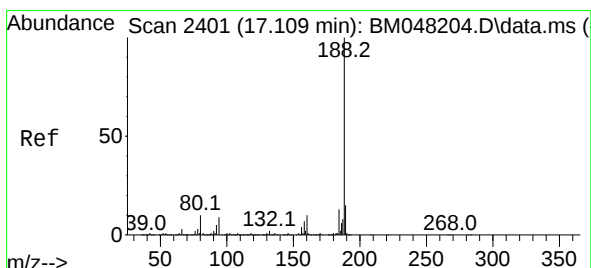
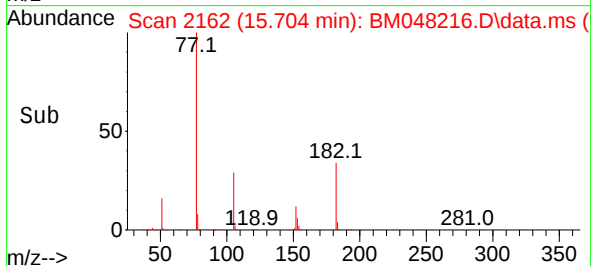
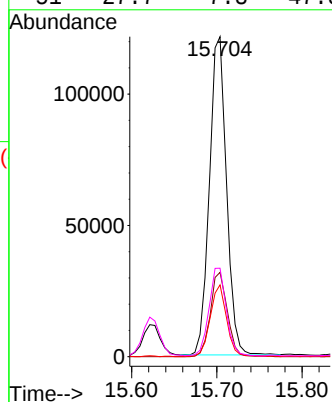
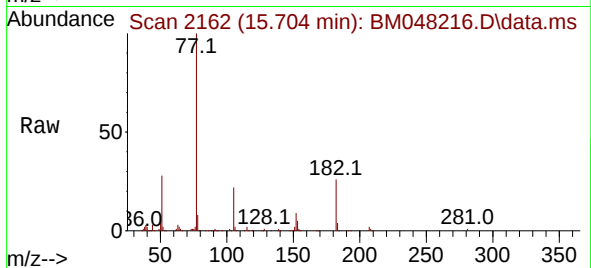
Ion Ratio Lower Upper

77 100

182 26.4 5.3 45.3

105 22.5 1.6 41.6

51 27.7 7.8 47.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.109 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

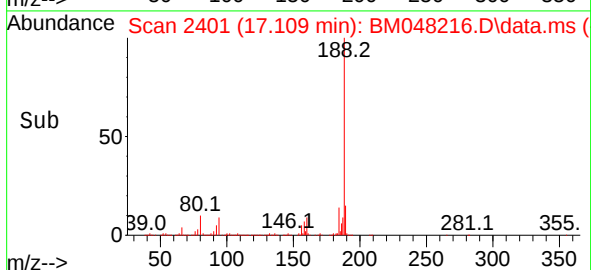
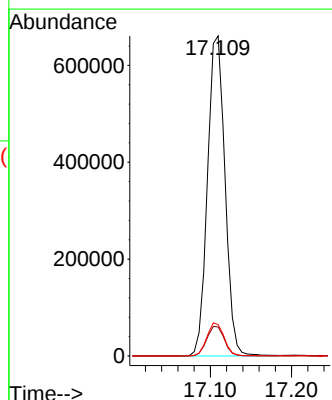
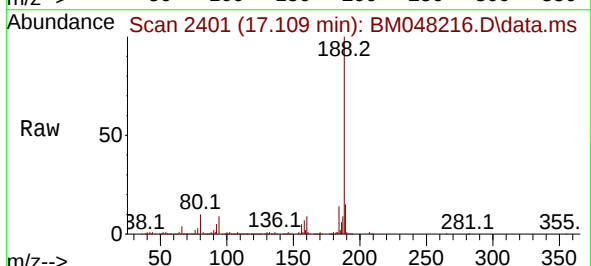
Tgt Ion:188 Resp: 989269

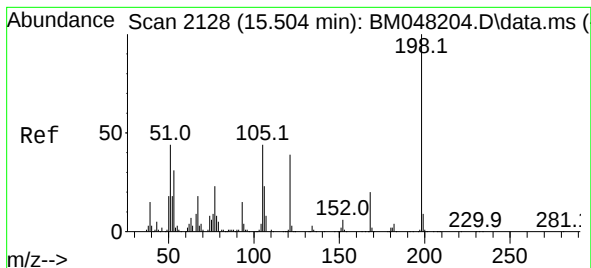
Ion Ratio Lower Upper

188 100

94 9.1 7.3 10.9

80 9.8 8.0 12.0

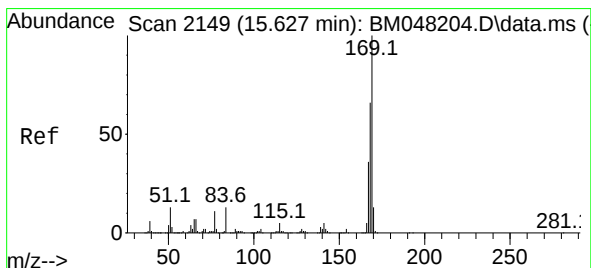
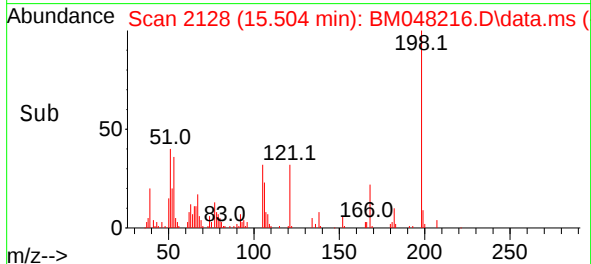
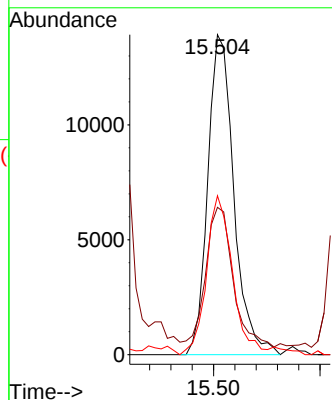
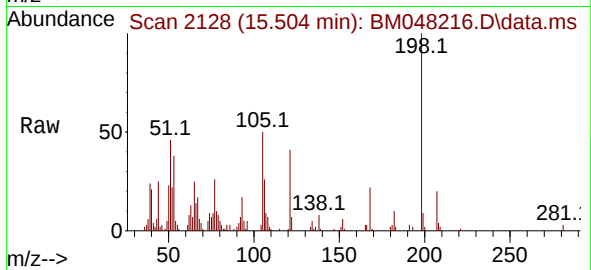




#65
4,6-Dinitro-2-methylphenol
Concen: 4.112 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

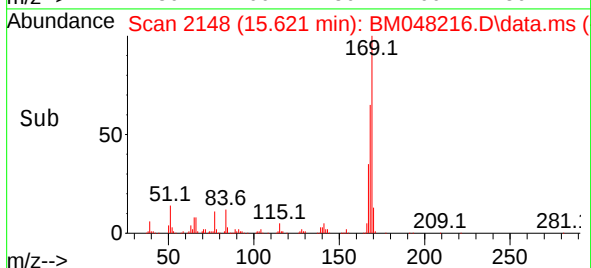
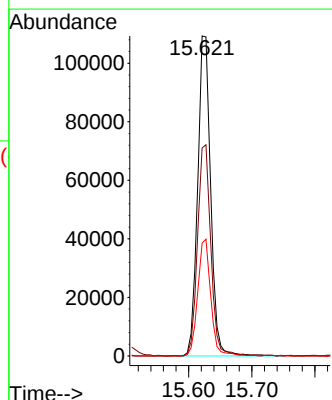
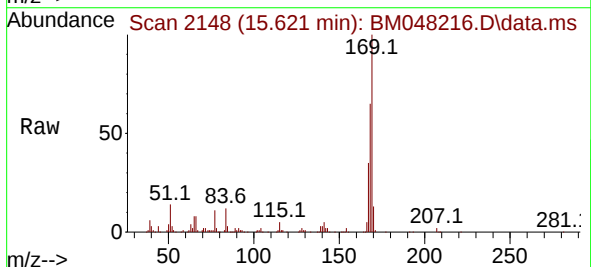
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

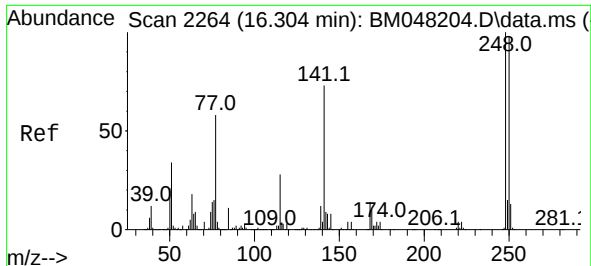
Tgt Ion:198 Resp: 23604
Ion Ratio Lower Upper
198 100
51 46.0 25.4 65.4
105 49.6 23.9 63.9



#66
n-Nitrosodiphenylamine
Concen: 5.746 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:169 Resp: 156039
Ion Ratio Lower Upper
169 100
168 65.0 52.9 79.3
167 35.3 29.3 43.9

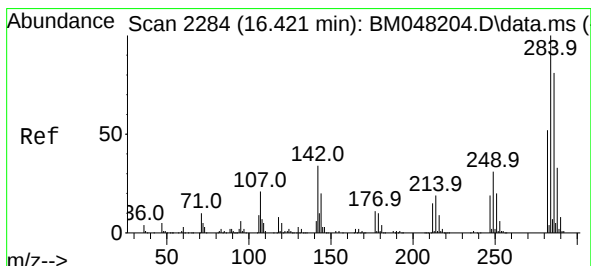
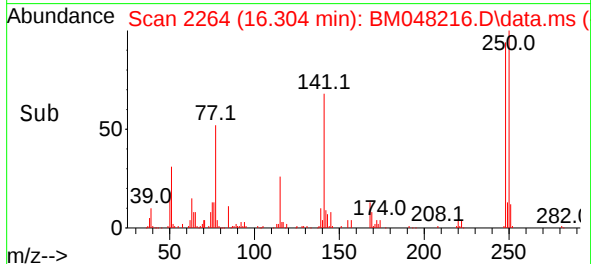
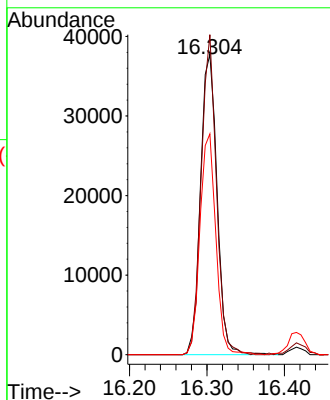
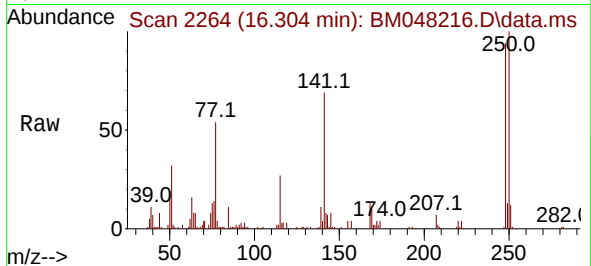




#67
4-Bromophenyl-phenylether
Concen: 5.552 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

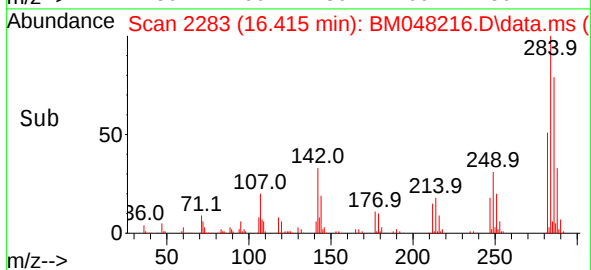
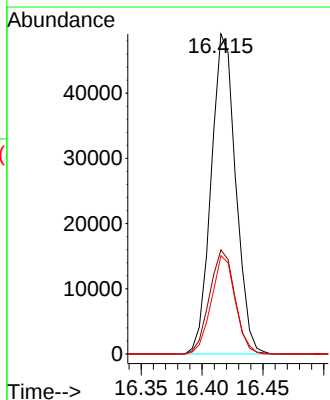
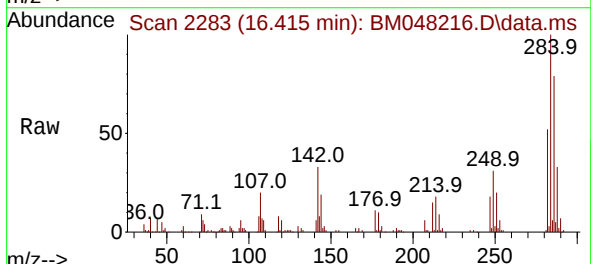
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

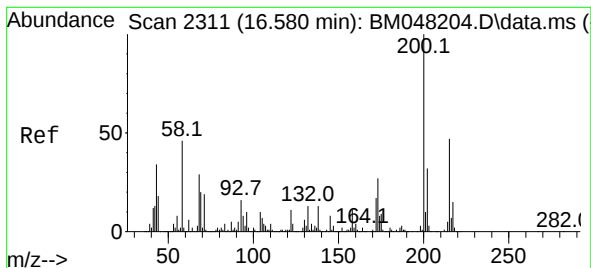
Tgt Ion:248 Resp: 55689
Ion Ratio Lower Upper
248 100
250 106.5 78.3 117.5
141 73.5 58.0 87.0



#68
Hexachlorobenzene
Concen: 5.708 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:284 Resp: 68759
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.4
249 30.7 24.6 36.8





#69

Atrazine

Concen: 6.985 ng

RT: 16.574 min Scan# 2310

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

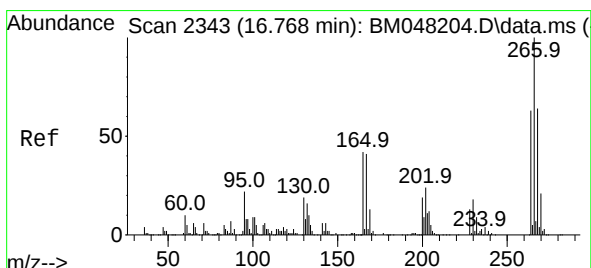
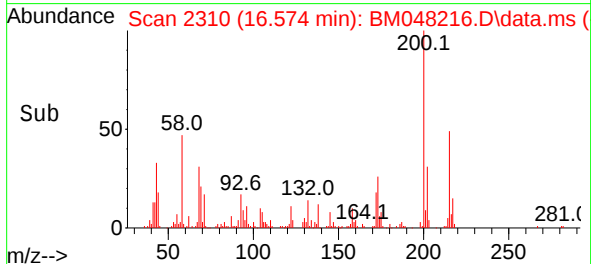
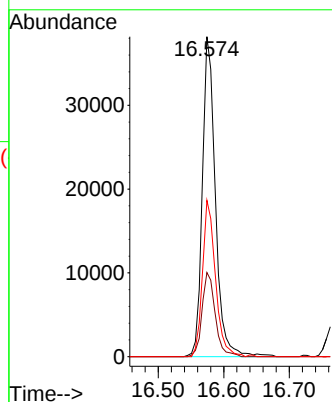
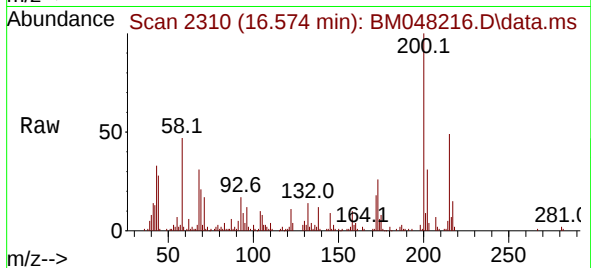
Tgt Ion:200 Resp: 53078

Ion Ratio Lower Upper

200 100

173 26.3 6.5 46.5

215 48.8 27.2 67.2



#70

Pentachlorophenol

Concen: 4.832 ng

RT: 16.768 min Scan# 2343

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

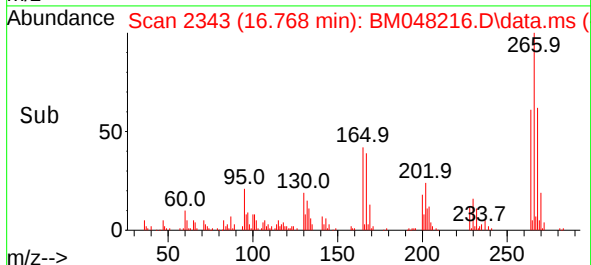
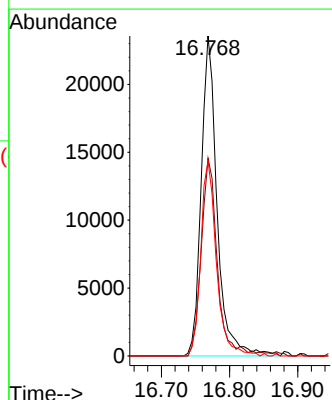
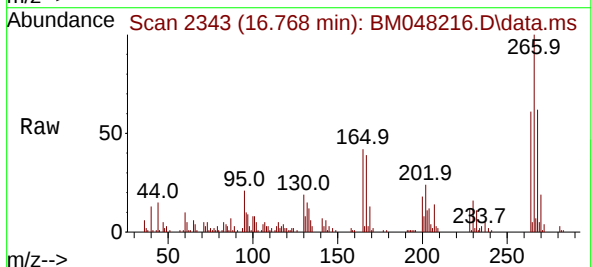
Tgt Ion:266 Resp: 38218

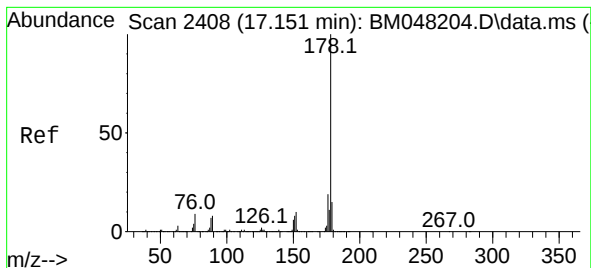
Ion Ratio Lower Upper

266 100

268 61.8 50.8 76.2

264 61.0 50.2 75.2





#71

Phenanthrene

Concen: 6.010 ng

RT: 17.151 min Scan# 2408

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

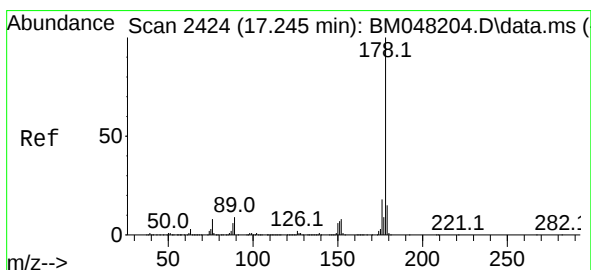
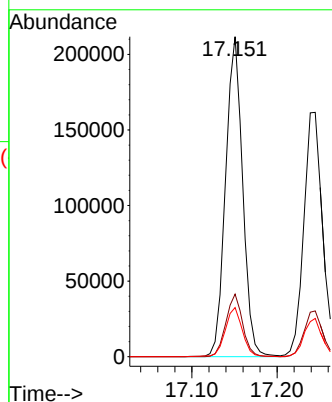
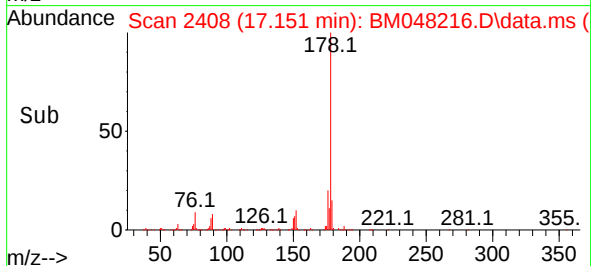
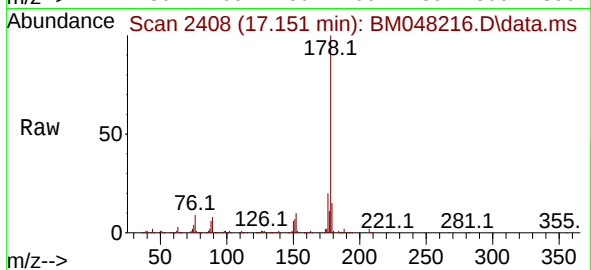
Tgt Ion:178 Resp: 294412

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.3 12.4 18.6



#72

Anthracene

Concen: 5.378 ng

RT: 17.245 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

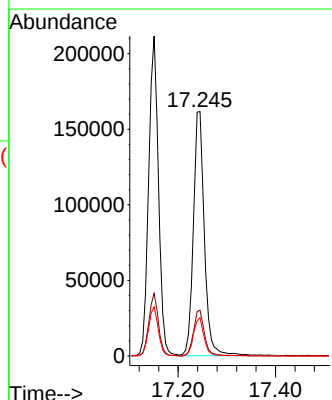
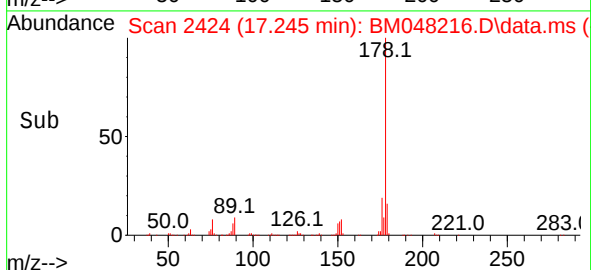
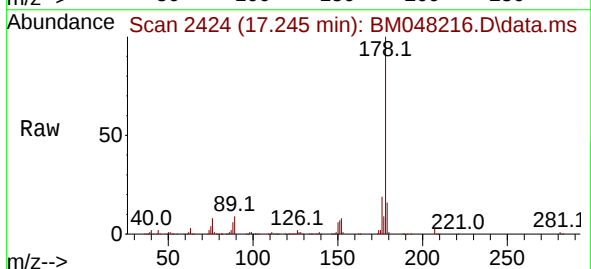
Tgt Ion:178 Resp: 255027

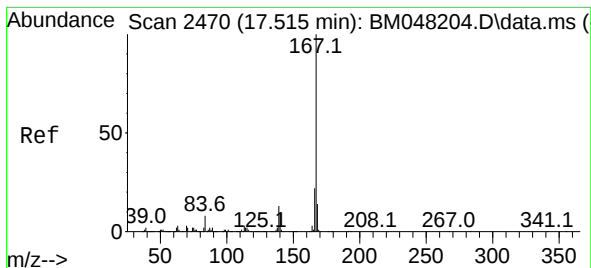
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.7 12.2 18.2





#73

Carbazole

Concen: 5.456 ng

RT: 17.515 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

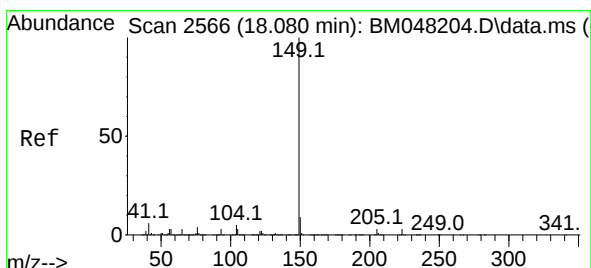
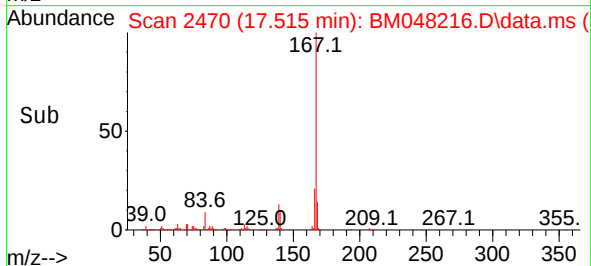
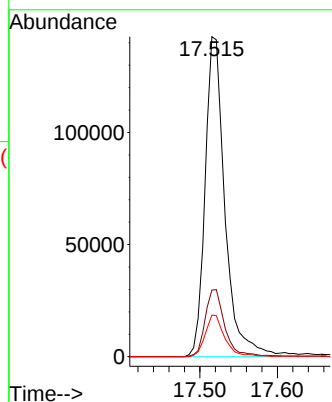
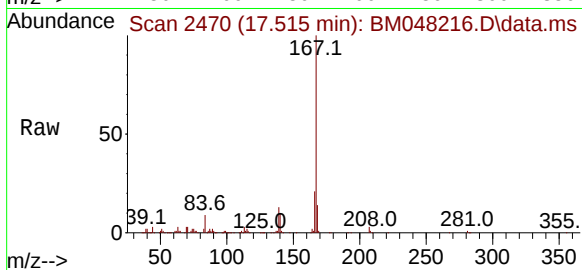
Tgt Ion:167 Resp: 253638

Ion Ratio Lower Upper

167 100

166 20.8 17.2 25.8

139 13.0 10.4 15.6



#74

Di-n-butylphthalate

Concen: 5.463 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

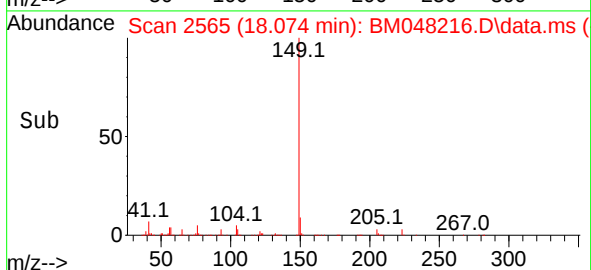
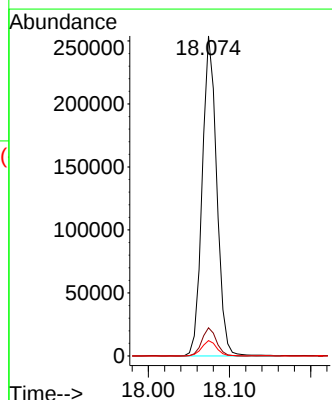
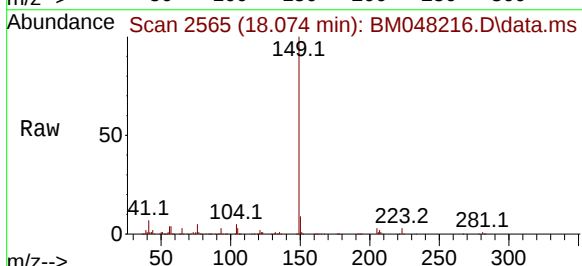
Tgt Ion:149 Resp: 316083

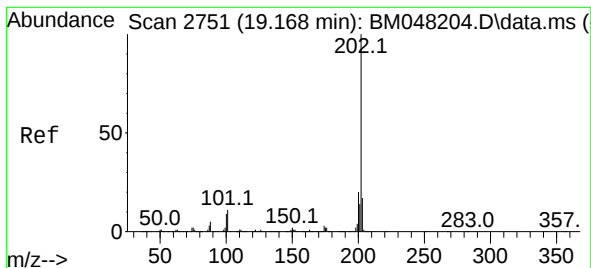
Ion Ratio Lower Upper

149 100

150 8.8 7.2 10.8

104 4.8 3.8 5.6





#75

Fluoranthene

Concen: 5.706 ng

RT: 19.168 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

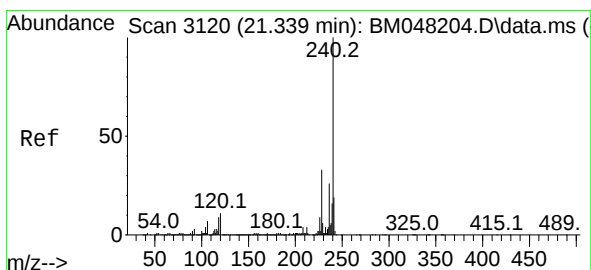
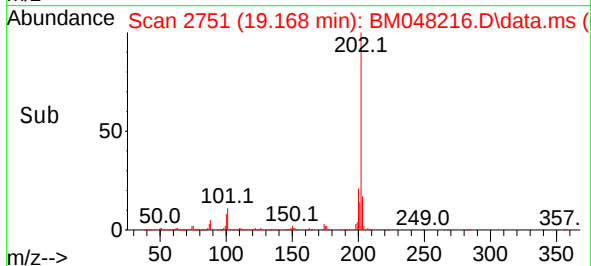
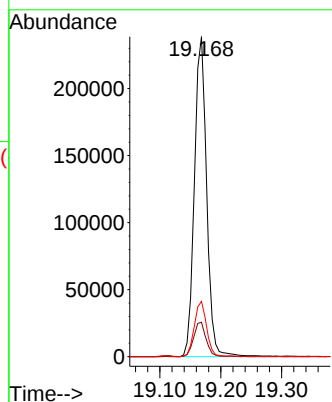
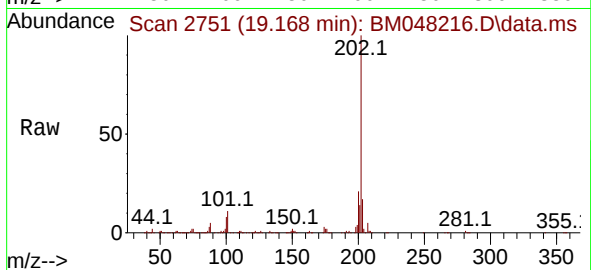
Tgt Ion:202 Resp: 333422

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.333 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

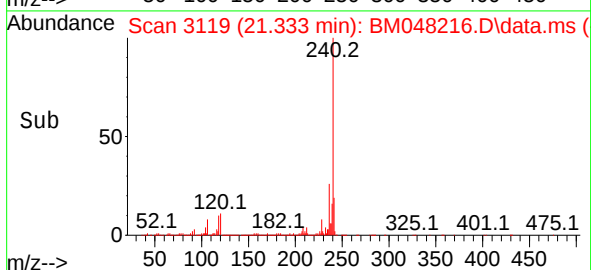
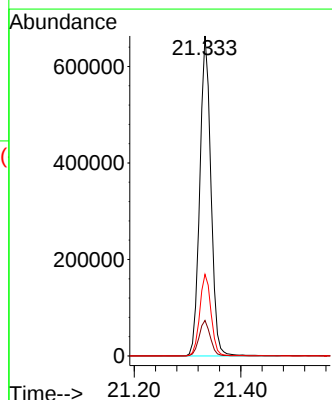
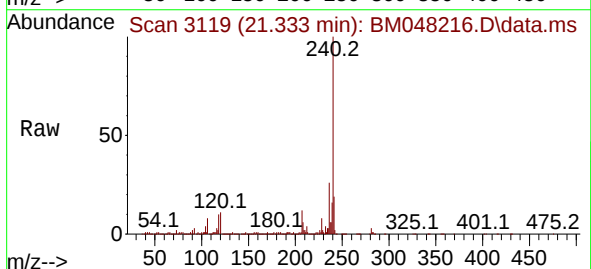
Tgt Ion:240 Resp: 958330

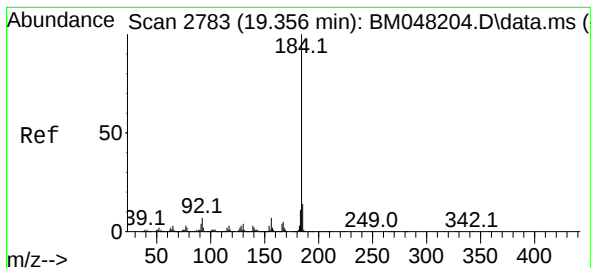
Ion Ratio Lower Upper

240 100

120 11.1 8.6 13.0

236 25.5 20.7 31.1





#77

Benzidine

Concen: 5.091 ng

RT: 19.362 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

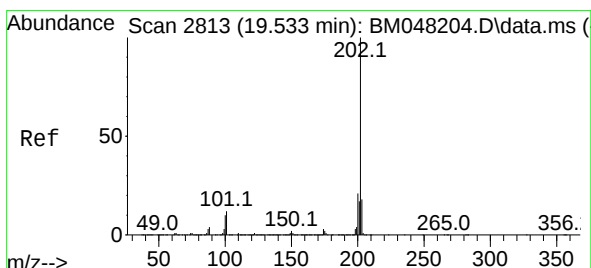
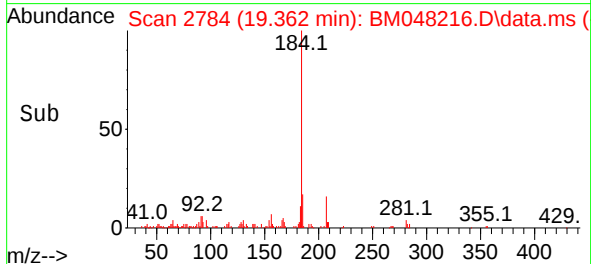
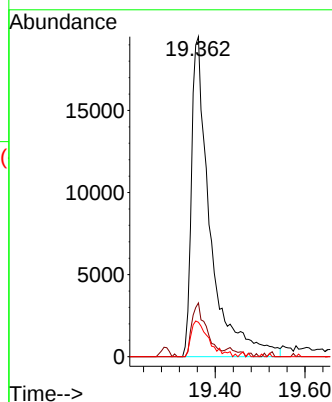
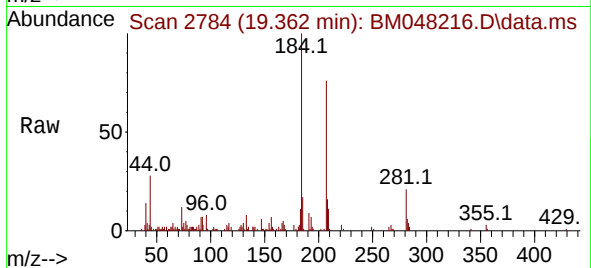
Tgt Ion:184 Resp: 56310

Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.0

183 10.7 9.0 13.4



#78

Pyrene

Concen: 5.507 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

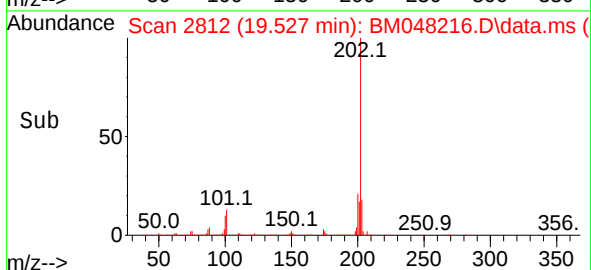
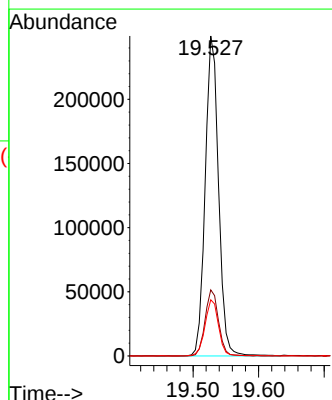
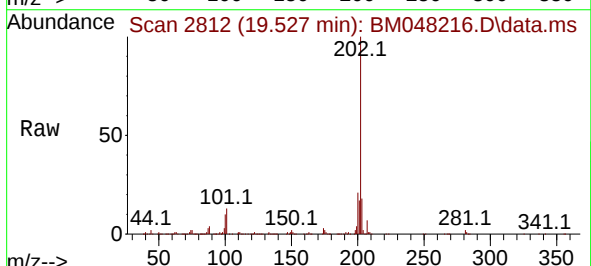
Tgt Ion:202 Resp: 353234

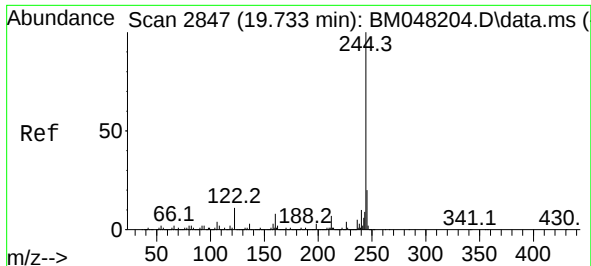
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.5 14.1 21.1

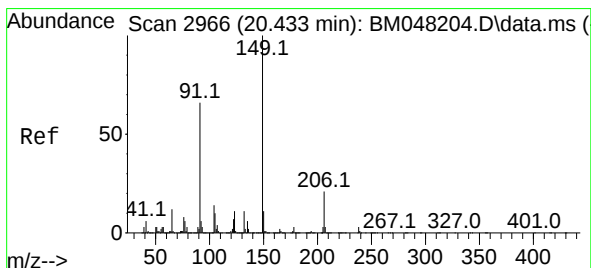
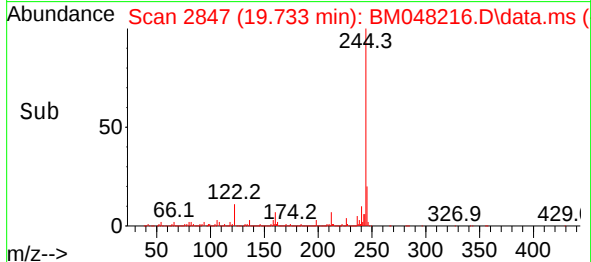
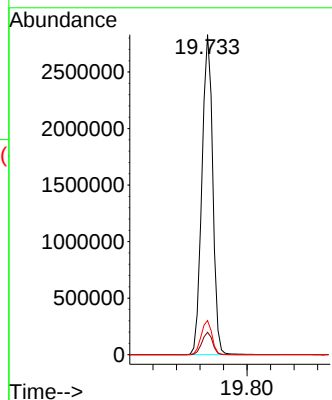
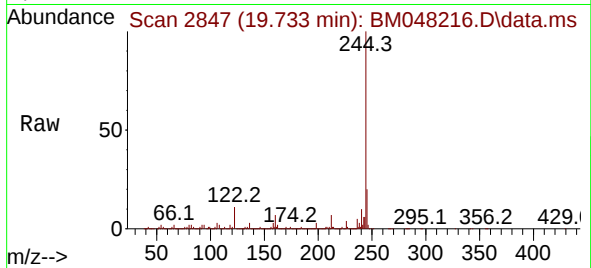




#79
 Terphenyl-d14
 Concen: 76.770 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM048216.D
 Acq: 24 Oct 2024 14:30

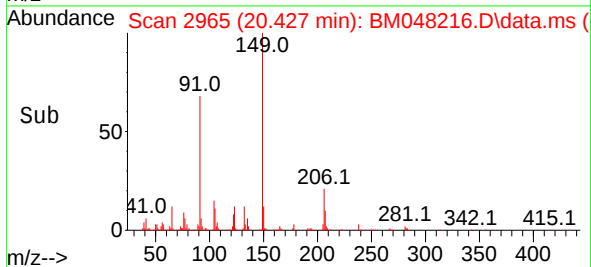
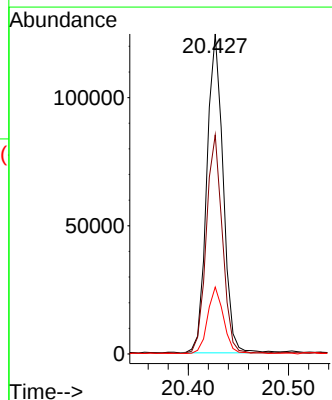
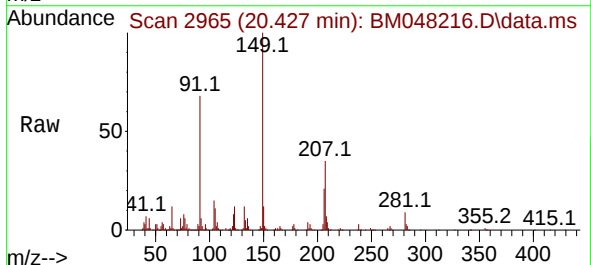
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

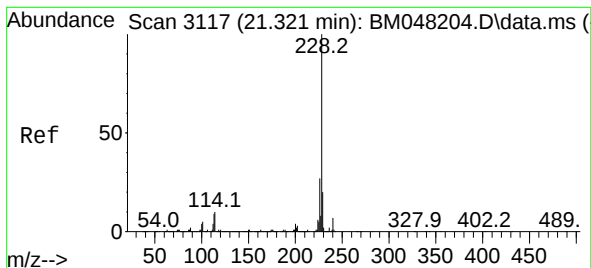
Tgt Ion:244 Resp: 3605141
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.6 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 5.248 ng
 RT: 20.427 min Scan# 2965
 Delta R.T. -0.006 min
 Lab File: BM048216.D
 Acq: 24 Oct 2024 14:30

Tgt Ion:149 Resp: 140769
 Ion Ratio Lower Upper
 149 100
 91 68.4 52.5 78.7
 206 20.9 17.0 25.6





#81

Benzo(a)anthracene

Concen: 5.753 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

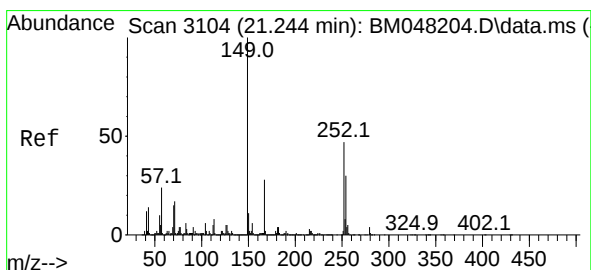
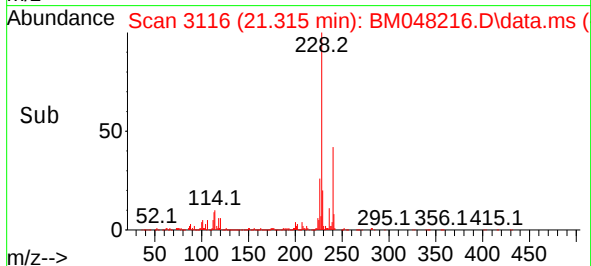
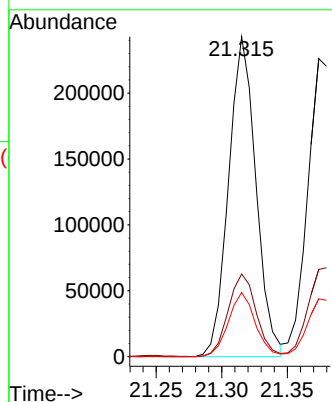
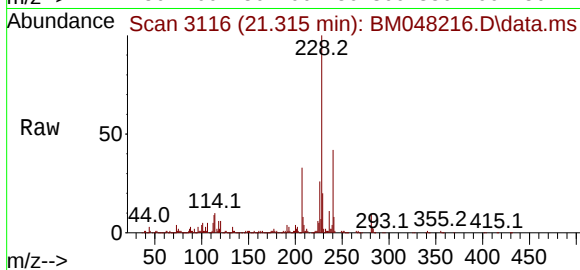
Tgt Ion:228 Resp: 352330

Ion Ratio Lower Upper

228 100

226 25.8 21.5 32.3

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 5.380 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

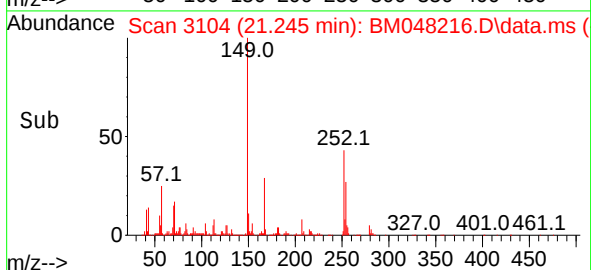
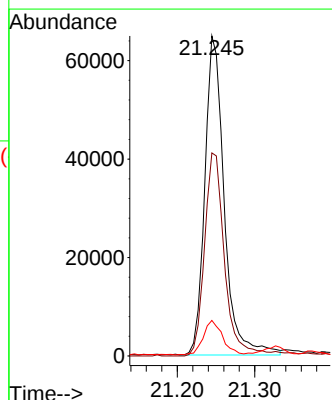
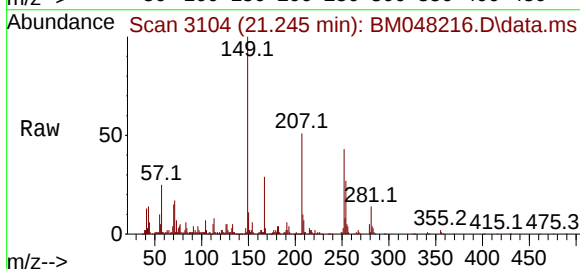
Tgt Ion:252 Resp: 112857

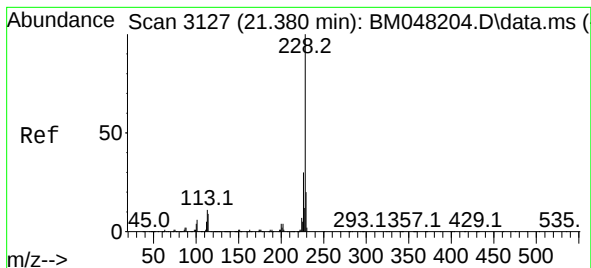
Ion Ratio Lower Upper

252 100

254 63.4 51.8 77.8

126 11.1 8.8 13.2





#83

Chrysene

Concen: 5.936 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

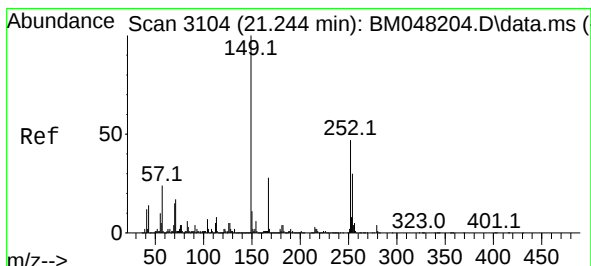
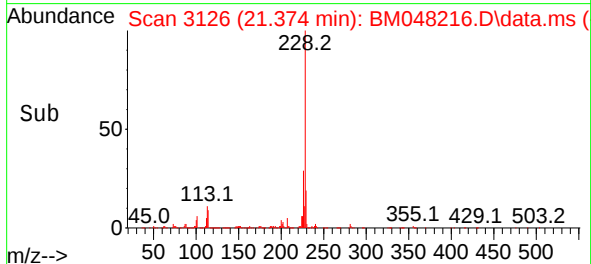
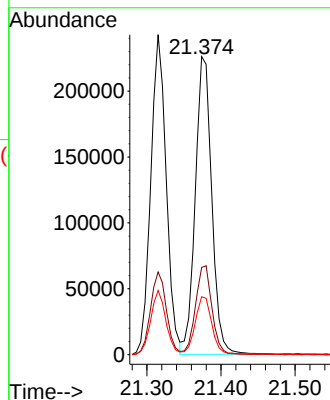
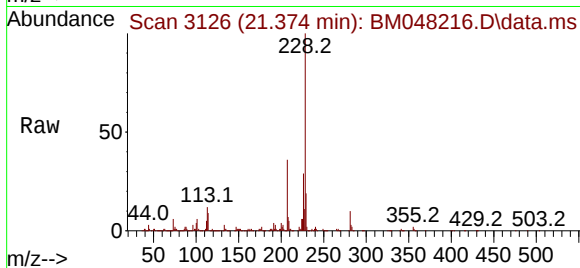
Tgt Ion:228 Resp: 348937

Ion Ratio Lower Upper

228 100

226 29.3 23.5 35.3

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.587 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

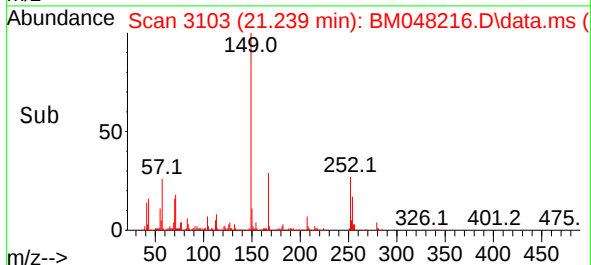
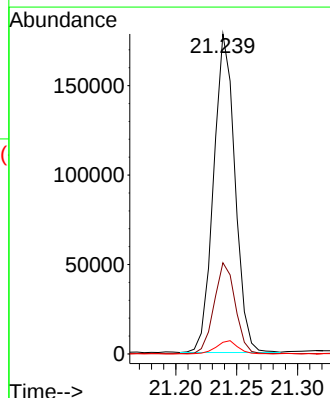
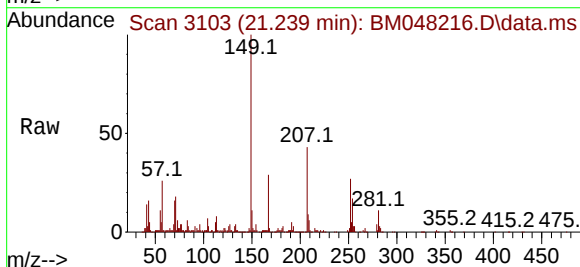
Tgt Ion:149 Resp: 217804

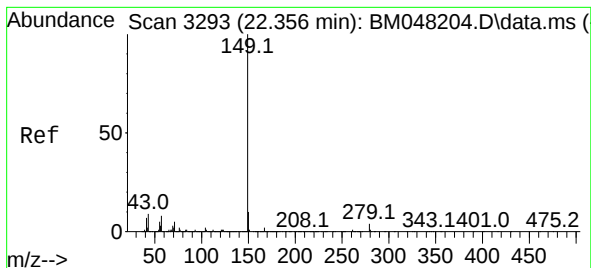
Ion Ratio Lower Upper

149 100

167 28.5 22.5 33.7

279 3.6 3.3 4.9

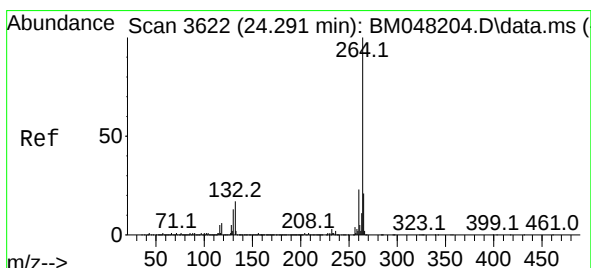
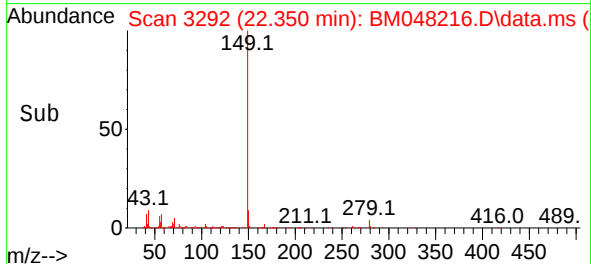
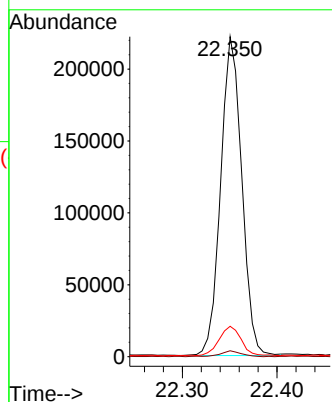
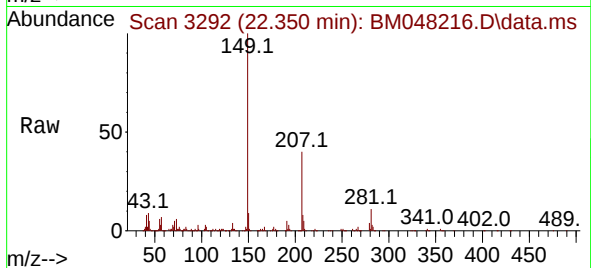




#85
Di-n-octyl phthalate
Concen: 5.094 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

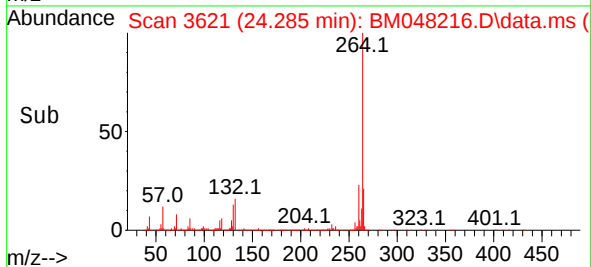
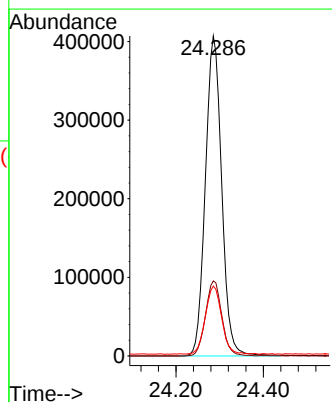
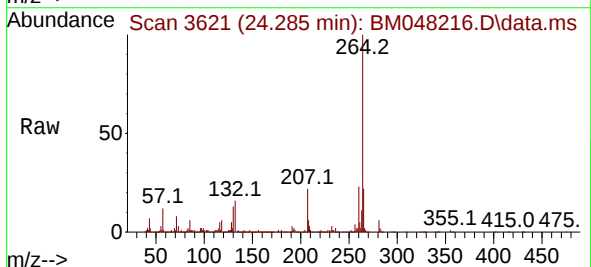
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

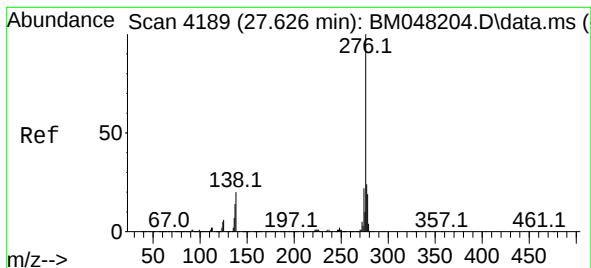
Tgt Ion:149 Resp: 343935
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8#
43 9.9 7.3 10.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.285 min Scan# 3621
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:264 Resp: 1057061
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.963 ng

RT: 27.603 min Scan# 4189

Delta R.T. -0.023 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

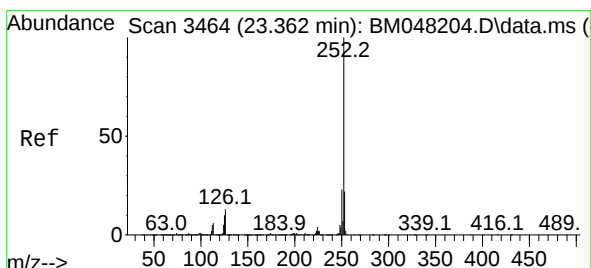
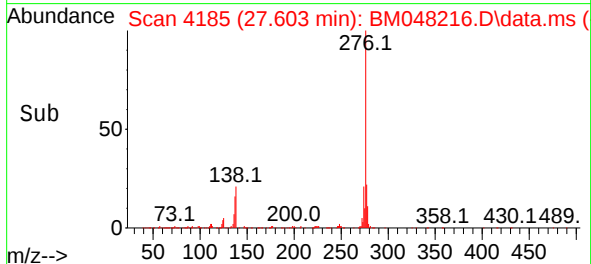
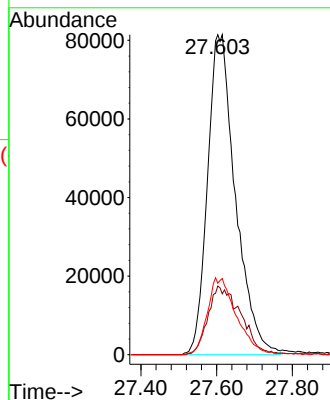
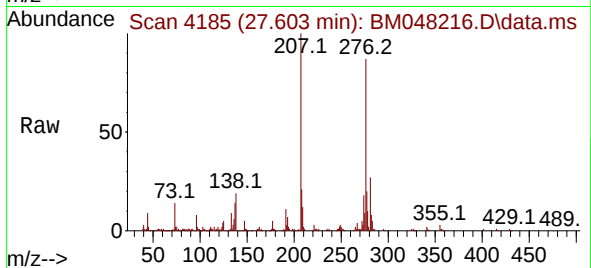
Tgt Ion:276 Resp: 416831

Ion Ratio Lower Upper

276 100

138 25.2 19.8 29.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 5.865 ng

RT: 23.356 min Scan# 3463

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

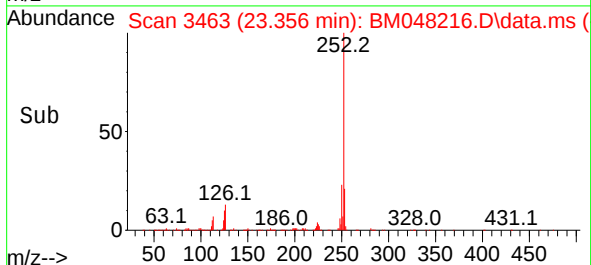
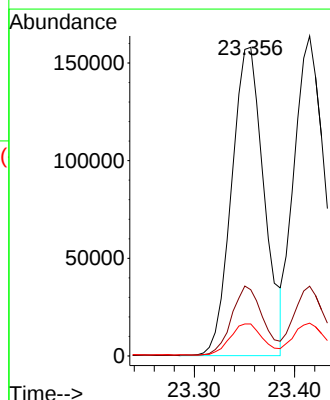
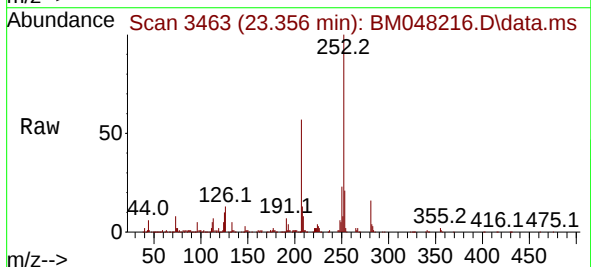
Tgt Ion:252 Resp: 355454

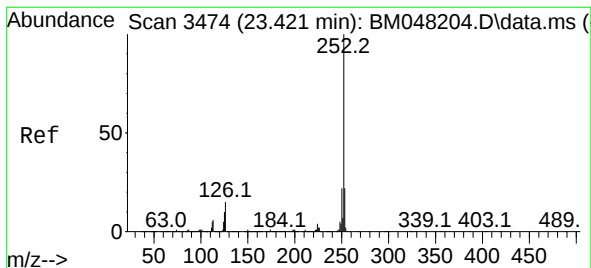
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 6.059 ng

RT: 23.415 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

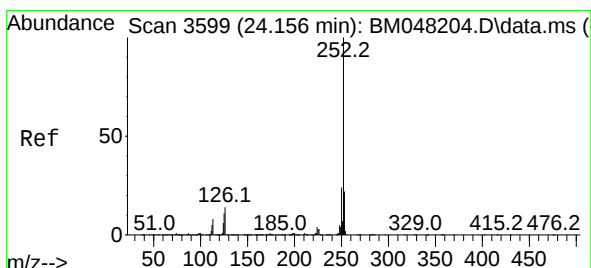
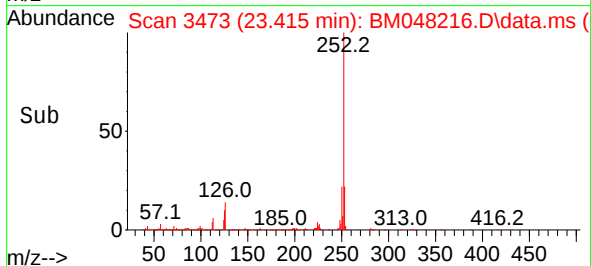
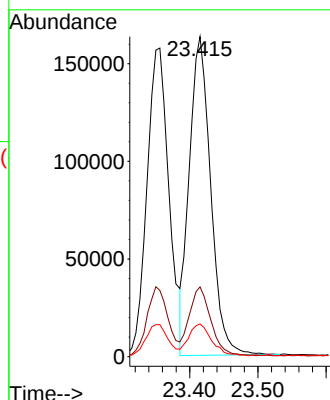
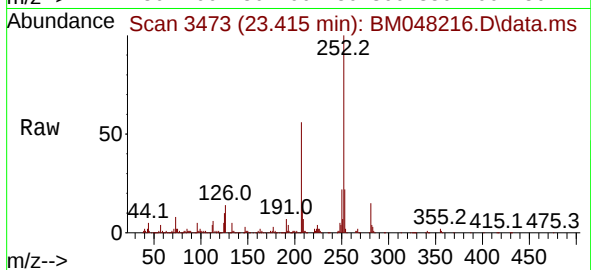
Tgt Ion:252 Resp: 355028

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 10.3 7.8 11.6



#90

Benzo(a)pyrene

Concen: 5.987 ng

RT: 24.144 min Scan# 3597

Delta R.T. -0.012 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

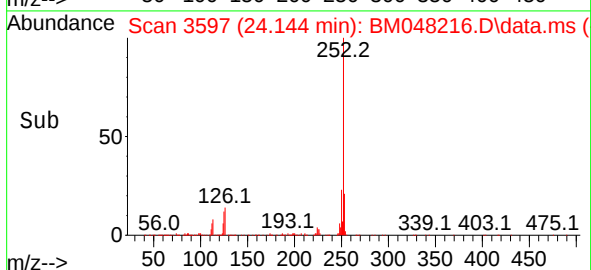
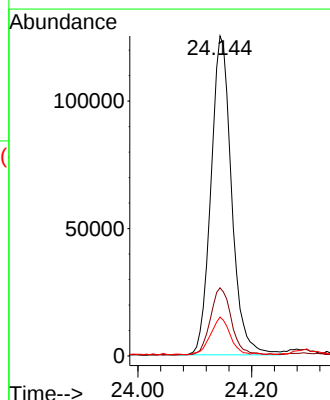
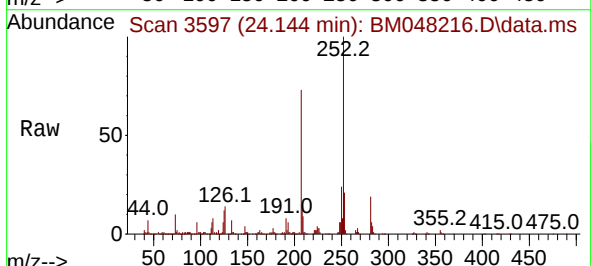
Tgt Ion:252 Resp: 315454

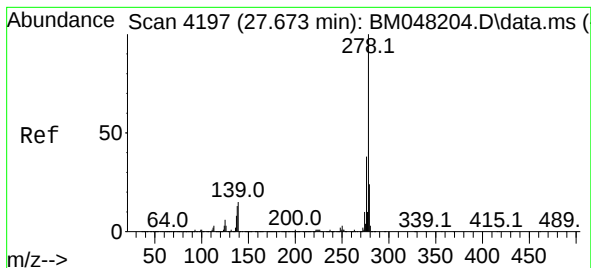
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 12.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 6.026 ng

RT: 27.662 min Scan# 4197

Delta R.T. -0.012 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

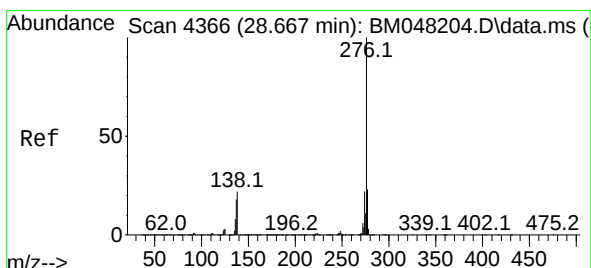
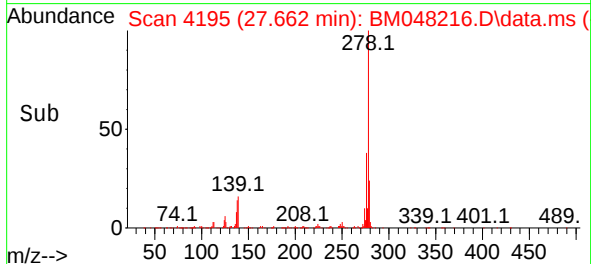
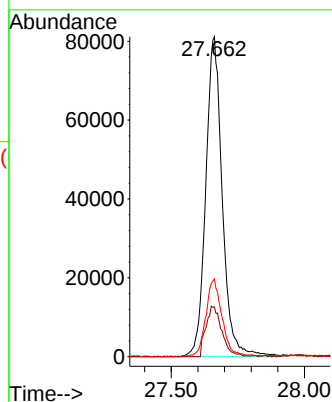
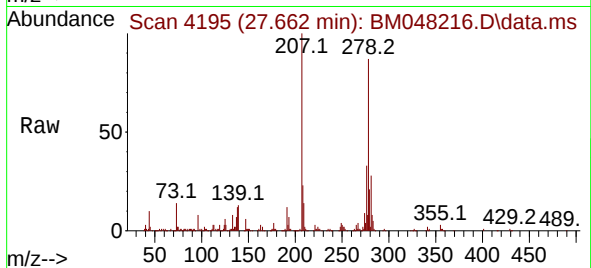
Tgt Ion:278 Resp: 350785

Ion Ratio Lower Upper

278 100

139 15.5 12.2 18.4

279 24.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 5.581 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.023 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:276 Resp: 332635

Ion Ratio Lower Upper

276 100

277 22.3 18.5 27.7

138 21.3 17.5 26.3

