

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047361.D
 Acq On : 27 Aug 2024 13:17
 Operator : RC/JU
 Sample : P3726-01MSD 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEMSD

Quant Time: Aug 27 14:15:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.346	152	330759	20.000	ng	0.00
21) Naphthalene-d8	10.099	136	1270835	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	872733	20.000	ng	0.00
64) Phenanthrene-d10	16.775	188	1776554	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1136290	20.000	ng	0.00
86) Perylene-d12	23.721	264	1306738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	750409	43.527	ng	0.00
7) Phenol-d6	6.569	99	983254	41.867	ng	0.00
23) Nitrobenzene-d5	8.493	82	650417	28.398	ng	0.00
42) 2,4,6-Tribromophenol	15.522	330	450845	42.818	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1499578	26.401	ng	0.00
79) Terphenyl-d14	19.445	244	1839344	28.813	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.017	88	118208	16.751	ng	98
3) Pyridine	3.393	79	345984	17.666	ng	100
4) n-Nitrosodimethylamine	3.317	42	154442	19.362	ng	# 96
6) Aniline	6.699	93	256040	12.037	ng	99
8) 2-Chlorophenol	6.928	128	429257	22.245	ng	98
9) Benzaldehyde	6.516	77	163837	10.113	ng	97
10) Phenol	6.593	94	508661	22.014	ng	99
11) bis(2-Chloroethyl)ether	6.799	93	411525	20.552	ng	100
12) 1,3-Dichlorobenzene	7.234	146	474469	20.108	ng	99
13) 1,4-Dichlorobenzene	7.381	146	480881	20.123	ng	99
14) 1,2-Dichlorobenzene	7.687	146	467948	20.663	ng	99
15) Benzyl Alcohol	7.605	79	372737	22.893	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.869	45	488602	20.350	ng	99
17) 2-Methylphenol	7.816	107	345118	21.498	ng	98
18) Hexachloroethane	8.393	117	161537	18.083	ng	98
19) n-Nitroso-di-n-propyla...	8.157	70	294609	18.249	ng	99
20) 3+4-Methylphenols	8.140	107	472164	21.154	ng	99
22) Acetophenone	8.169	105	585423	19.849	ng	99
24) Nitrobenzene	8.534	77	468483	19.888	ng	99
25) Isophorone	9.063	82	855058	19.753	ng	98
26) 2-Nitrophenol	9.234	139	235865	20.356	ng	98
27) 2,4-Dimethylphenol	9.322	122	346613	26.502	ng	99
28) bis(2-Chloroethoxy)met...	9.546	93	521338	19.667	ng	98
29) 2,4-Dichlorophenol	9.775	162	449118	22.137	ng	100
30) 1,2,4-Trichlorobenzene	9.969	180	477568	20.379	ng	98
31) Naphthalene	10.151	128	1372775	22.117	ng	100
32) Benzoic acid	9.499	122	331172	21.205	ng	99
33) 4-Chloroaniline	10.287	127	276874	11.997	ng	100
34) Hexachlorobutadiene	10.428	225	299760	20.482	ng	100
35) Caprolactam	11.093	113	136270	20.734	ng	98
36) 4-Chloro-3-methylphenol	11.434	107	434261	21.078	ng	98
37) 2-Methylnaphthalene	11.775	142	975989	21.565	ng	99
38) 1-Methylnaphthalene	11.998	142	899088	20.087	ng	100
40) 1,2,4,5-Tetrachloroben...	12.157	216	538873	20.852	ng	100
43) 2,4,6-Trichlorophenol	12.422	196	379467	21.419	ng	99
44) 2,4,5-Trichlorophenol	12.510	196	409487	20.813	ng	99

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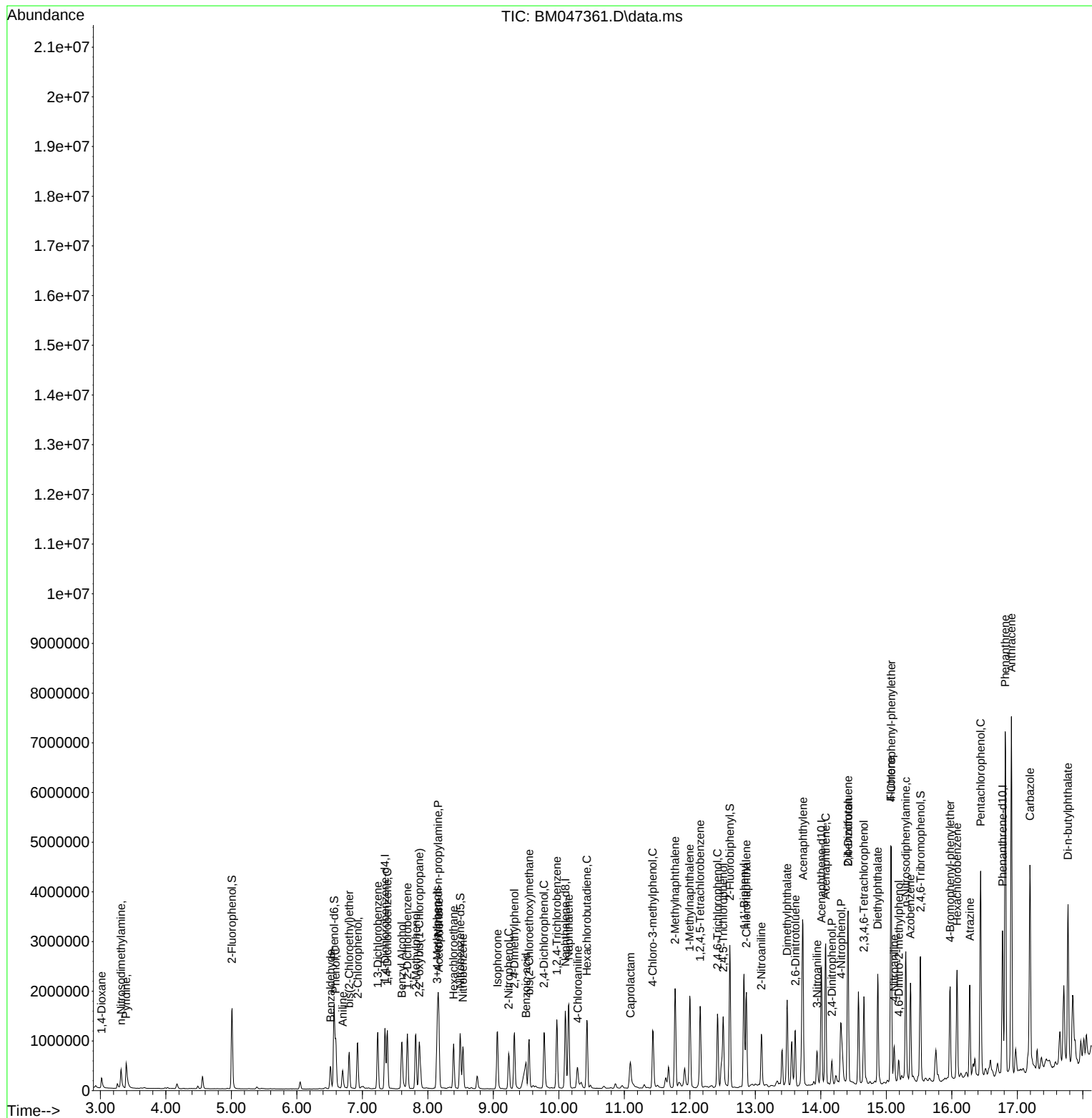
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.828	154	1232067	20.218	ng	100
47) 2-Chloronaphthalene	12.863	162	965510	20.218	ng	99
48) 2-Nitroaniline	13.092	65	289511	21.643	ng	99
49) Acenaphthylene	13.728	152	2527867	36.421	ng	99
50) Dimethylphthalate	13.487	163	1192878	19.837	ng	100
51) 2,6-Dinitrotoluene	13.610	165	262172	18.725	ng	98
52) Acenaphthene	14.075	154	1039600	23.595	ng	99
53) 3-Nitroaniline	13.945	138	191533	14.825	ng	99
54) 2,4-Dinitrophenol	14.169	184	116257	13.483	ng	98
55) Dibenzofuran	14.416	168	1611262	22.704	ng	100
56) 4-Nitrophenol	14.310	139	460340	45.583	ng	98
57) 2,4-Dinitrotoluene	14.416	165	351309	19.383	ng	97
58) Fluorene	15.069	166	1408365	24.520	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.657	232	370489	22.926	ng	100
60) Diethylphthalate	14.869	149	1192375	20.101	ng	99
61) 4-Chlorophenyl-phenyle...	15.075	204	578512	19.800	ng	99
62) 4-Nitroaniline	15.122	138	205075	17.159	ng	98
63) Azobenzene	15.369	77	1056256	20.448	ng	95
65) 4,6-Dinitro-2-methylph...	15.192	198	89508	8.209	ng	98
66) n-Nitrosodiphenylamine	15.298	169	1030809	21.205	ng	99
67) 4-Bromophenyl-phenylether	15.975	248	383958	20.487	ng	97
68) Hexachlorobenzene	16.080	284	436137	20.148	ng	98
69) Atrazine	16.275	200	354967	22.340	ng	99
70) Pentachlorophenol	16.439	266	694721	49.640	ng	99
71) Phenanthrene	16.816	178	4168851	48.319	ng	99
72) Anthracene	16.910	178	4354622	51.775	ng	99
73) Carbazole	17.192	167	2705780	33.525	ng	99
74) Di-n-butylphthalate	17.774	149	2010302	20.455	ng	100
75) Fluoranthene	18.863	202	10671856	105.343	ng	98
78) Pyrene	19.233	202	11811096	135.526	ng	98
80) Butylbenzylphthalate	20.163	149	768314	22.529	ng	99
81) Benzo(a)anthracene	21.010	228	5558928	75.018	ng	94
82) 3,3'-Dichlorobenzidine	20.951	252	96524	3.872	ng	# 94
83) Chrysene	21.068	228	6948295	99.682	ng	97
84) Bis(2-ethylhexyl)phtha...	20.957	149	1113483	23.101	ng	99
85) Di-n-octyl phthalate	21.992	149	1755146	21.634	ng	99
87) Indeno(1,2,3-cd)pyrene	26.744	276	4088043	49.975	ng	97
88) Benzo(b)fluoranthene	22.898	252	9356072	122.722	ng	99
89) Benzo(k)fluoranthene	22.945	252	3638700	50.348	ng	98
90) Benzo(a)pyrene	23.604	252	4291868	65.098	ng	98
91) Dibenzo(a,h)anthracene	26.774	278	2009841	30.328	ng	99
92) Benzo(g,h,i)perylene	27.674	276	3377425	49.023	ng	99

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

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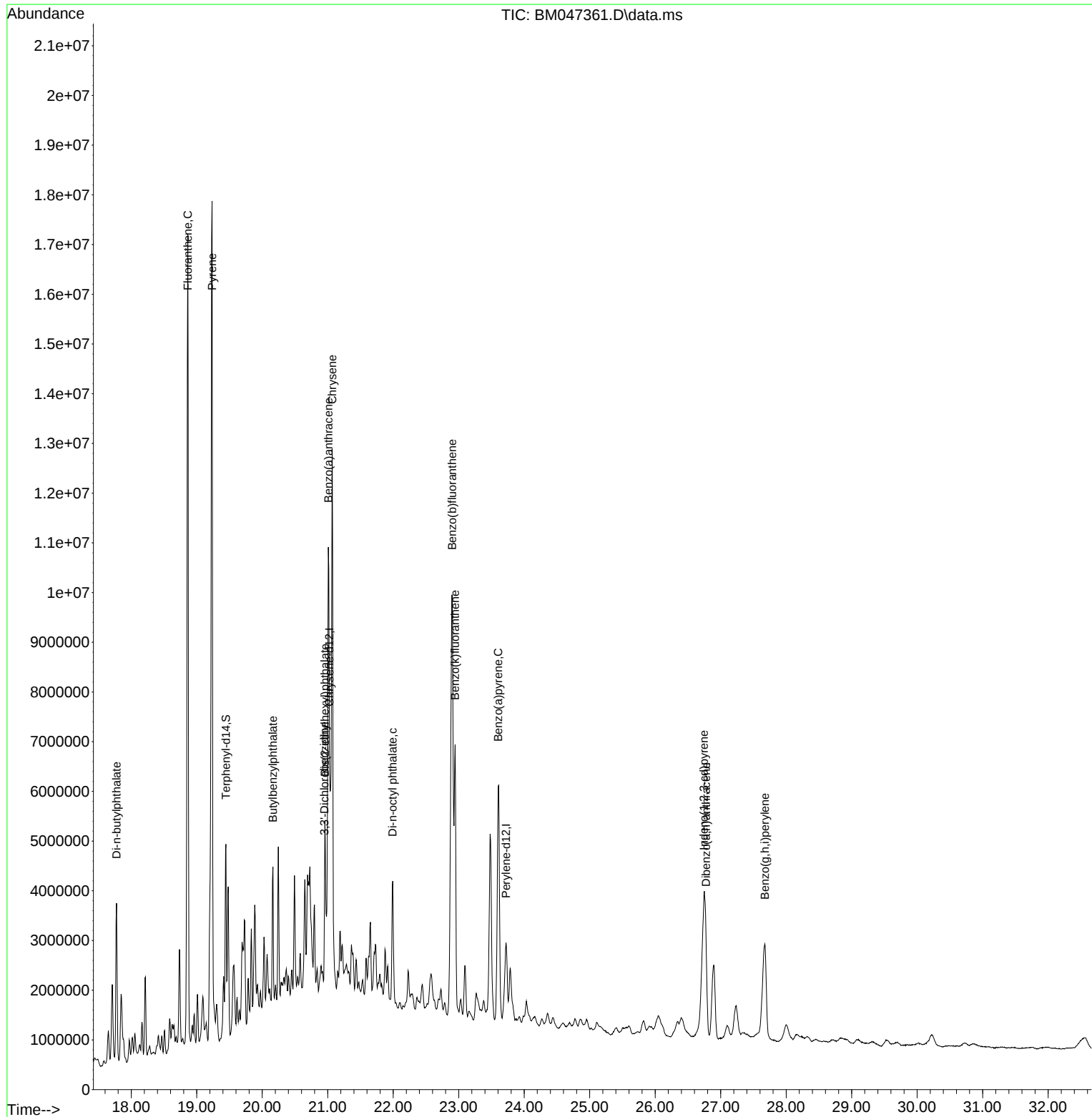
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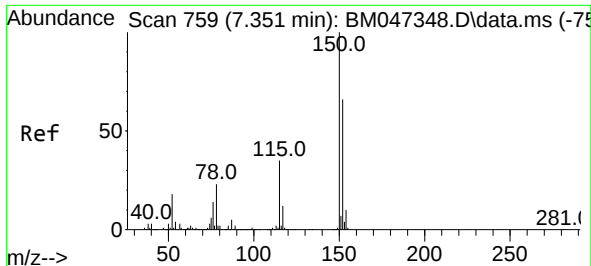


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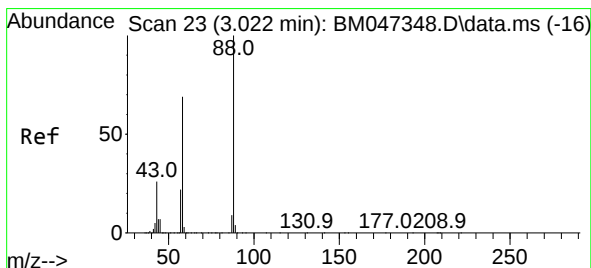
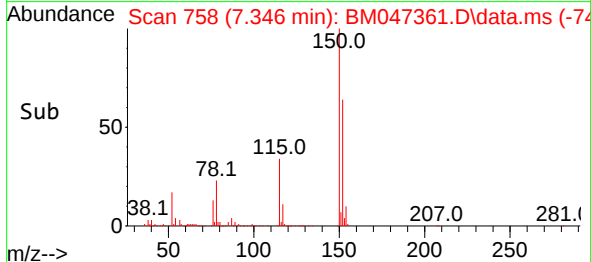
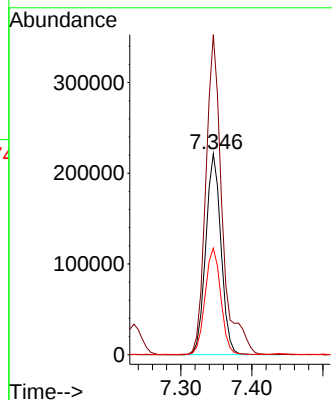
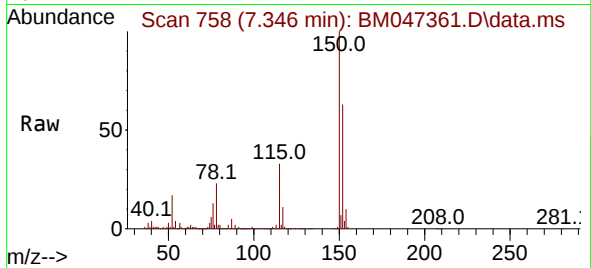




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM047361.D
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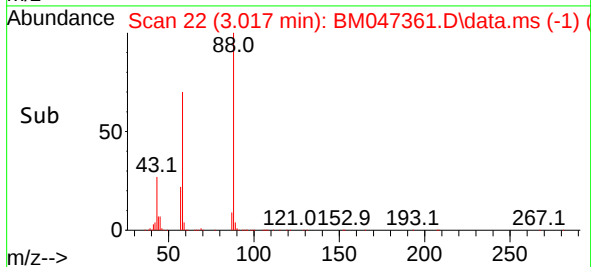
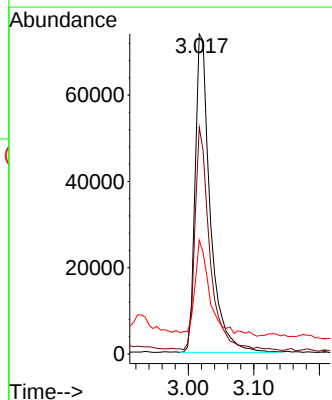
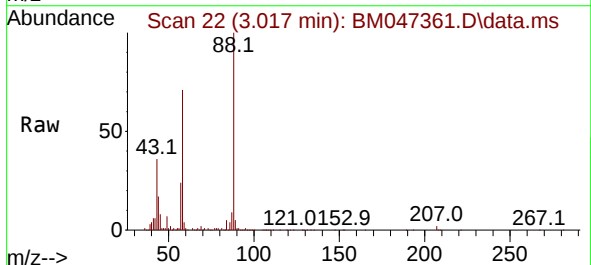
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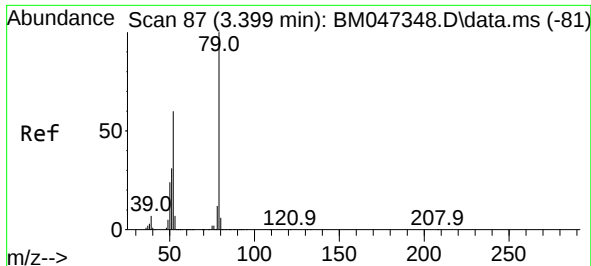
Tgt Ion:152 Resp: 330759
Ion Ratio Lower Upper
152 100
150 159.3 121.3 181.9
115 53.1 42.6 64.0



#2
1,4-Dioxane
Concen: 16.751 ng
RT: 3.017 min Scan# 22
Delta R.T. -0.006 min
Lab File: BM047361.D
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Tgt Ion: 88 Resp: 118208
Ion Ratio Lower Upper
88 100
58 69.2 55.4 83.0
43 30.5 20.7 31.1

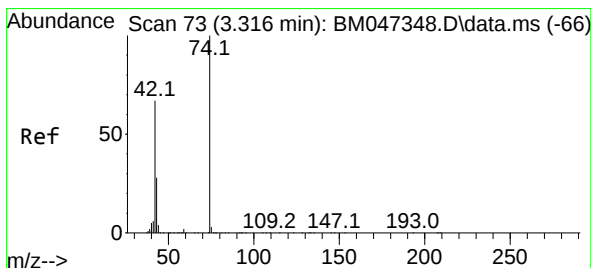
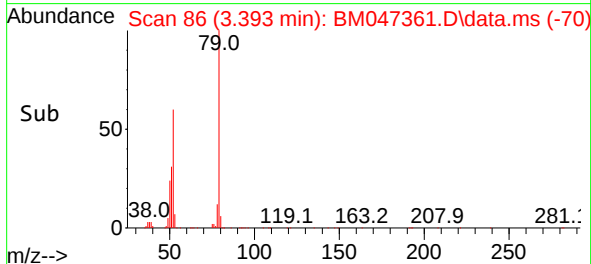
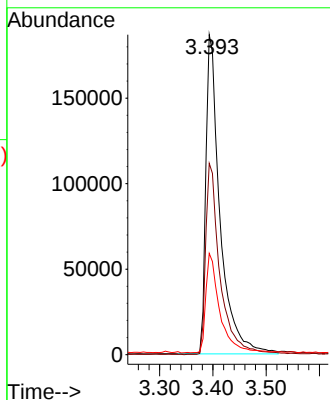
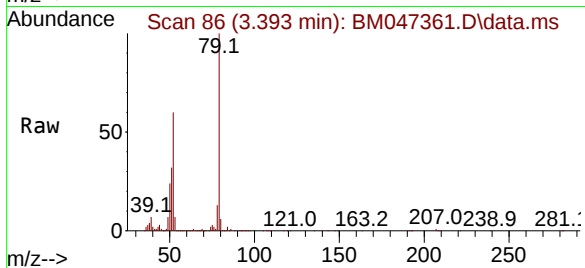




#3
 Pyridine
 Concen: 17.666 ng
 RT: 3.393 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BM047361.D
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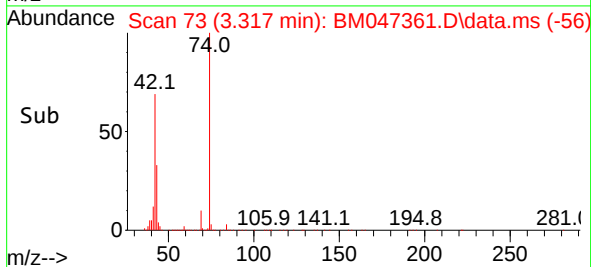
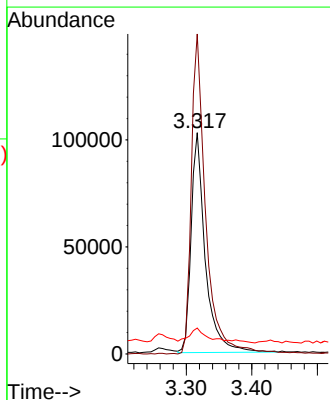
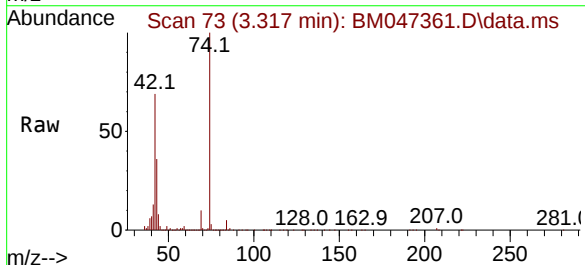
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Tgt Ion: 79 Resp: 345984
 Ion Ratio Lower Upper
 79 100
 52 59.8 47.8 71.6
 51 31.7 25.0 37.4



#4
 n-Nitrosodimethylamine
 Concen: 19.362 ng
 RT: 3.317 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: BM047361.D
 Acq: 27 Aug 2024 13:17

Tgt Ion: 42 Resp: 154442
 Ion Ratio Lower Upper
 42 100
 74 144.6 119.2 178.8
 44 11.7 5.2 7.8

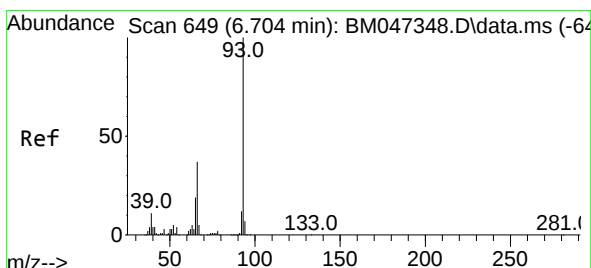
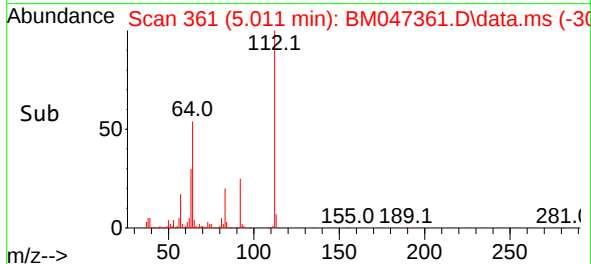
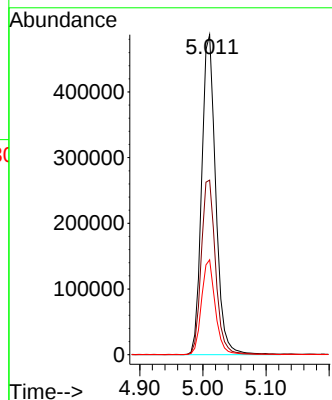
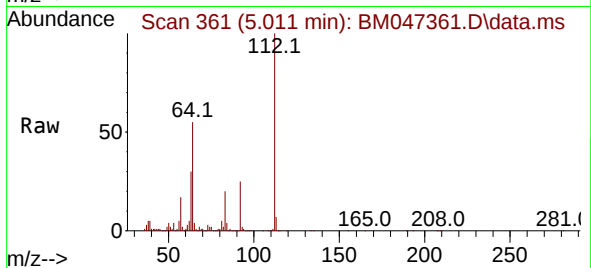




#5
2-Fluorophenol
Concen: 43.527 ng
RT: 5.011 min Scan# 30
Delta R.T. 0.006 min
Lab File: BM047361.D
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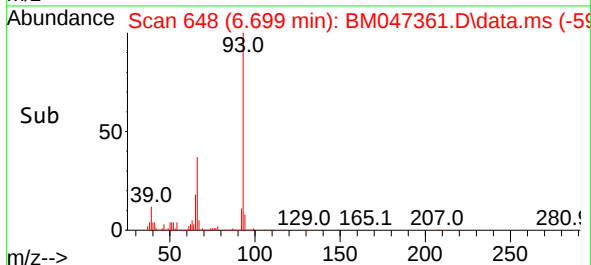
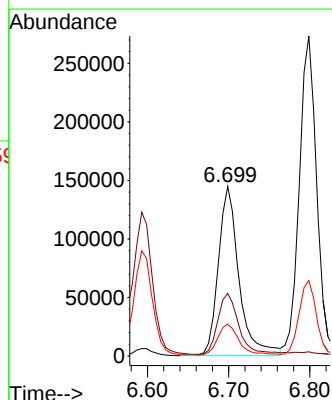
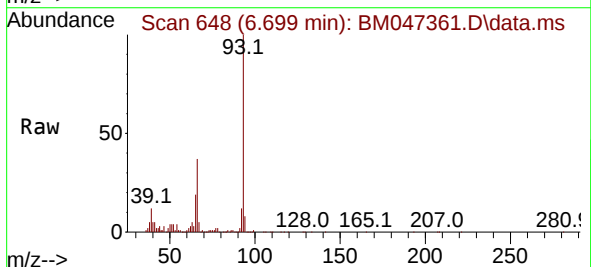
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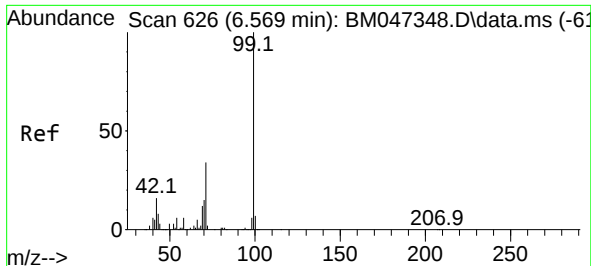
Tgt Ion:112 Resp: 750409
Ion Ratio Lower Upper
112 100
64 54.6 45.7 68.5
63 29.7 23.8 35.8



#6
Aniline
Concen: 12.037 ng
RT: 6.699 min Scan# 648
Delta R.T. -0.006 min
Lab File: BM047361.D
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Tgt Ion: 93 Resp: 256040
Ion Ratio Lower Upper
93 100
66 36.9 30.0 45.0
65 18.7 15.5 23.3

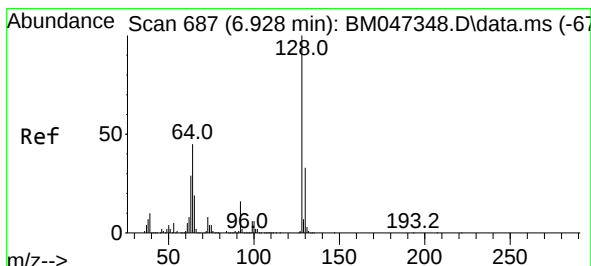
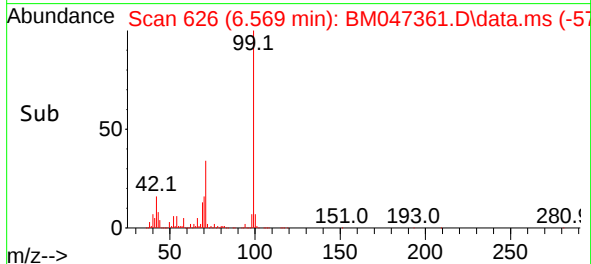
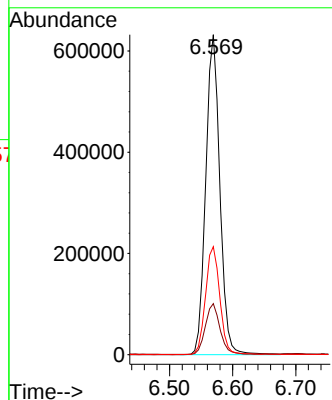
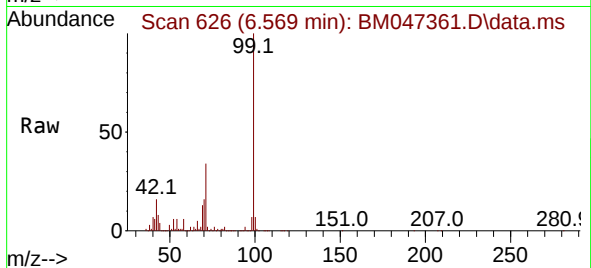




#7
Phenol-d6
Concen: 41.867 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
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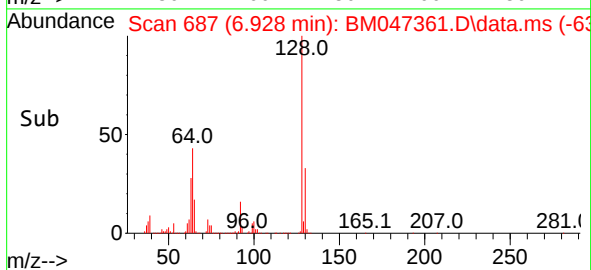
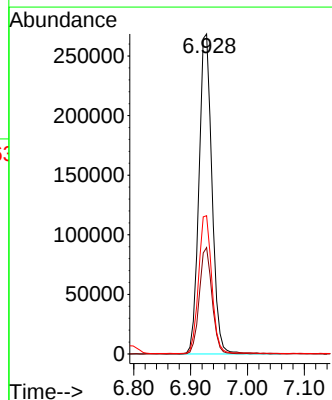
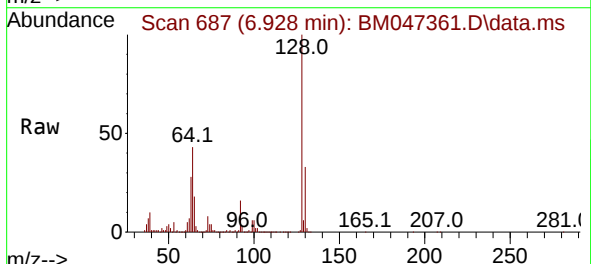
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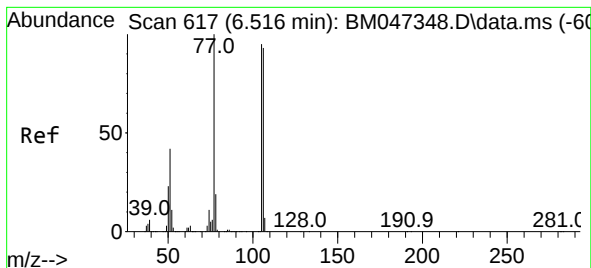
Tgt Ion: 99 Resp: 983254
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 33.8 27.5 41.3



#8
2-Chlorophenol
Concen: 22.245 ng
RT: 6.928 min Scan# 687
Delta R.T. 0.000 min
Lab File: BM047361.D
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Tgt Ion:128 Resp: 429257
Ion Ratio Lower Upper
128 100
130 33.2 12.9 52.9
64 43.2 25.3 65.3

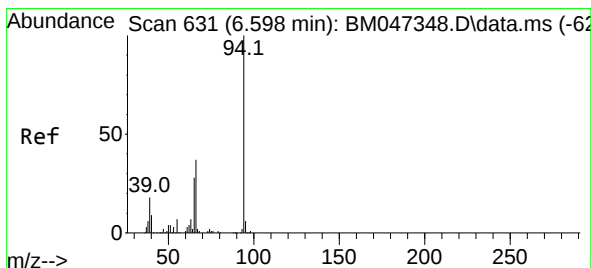
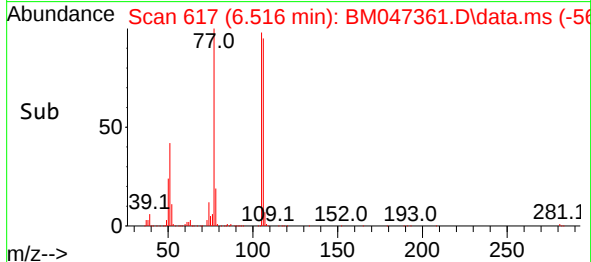
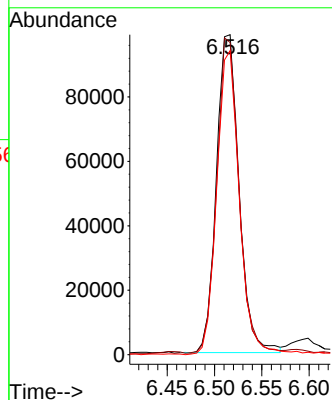
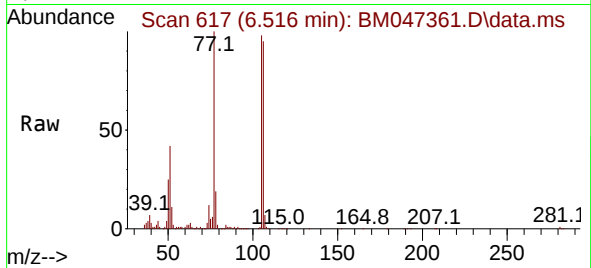




#9
Benzaldehyde
Concen: 10.113 ng
RT: 6.516 min Scan# 617
Delta R.T. 0.000 min
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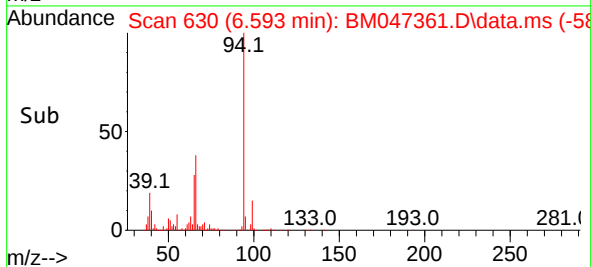
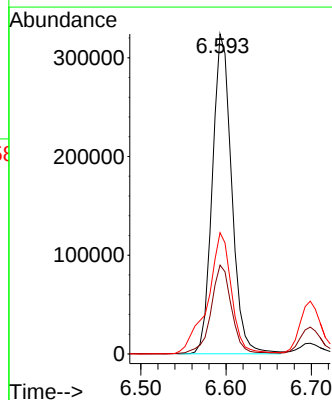
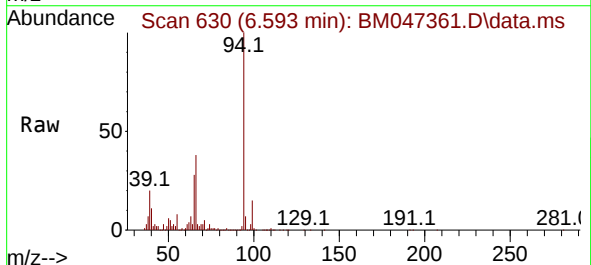
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ClientSampleId :
MOO-SOIL-PILEMSD

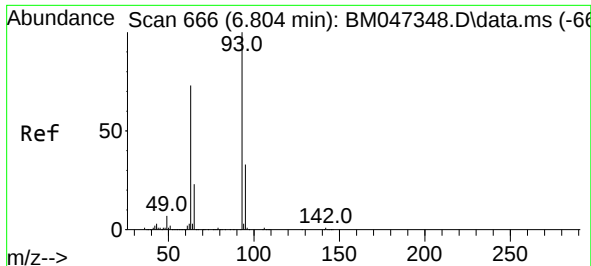
Tgt Ion: 77 Resp: 163837
Ion Ratio Lower Upper
77 100
105 97.5 74.9 114.9
106 95.0 72.6 112.6



#10
Phenol
Concen: 22.014 ng
RT: 6.593 min Scan# 630
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion: 94 Resp: 508661
Ion Ratio Lower Upper
94 100
65 27.7 7.9 47.9
66 37.9 17.3 57.3

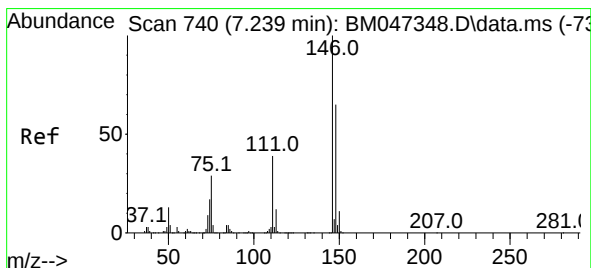
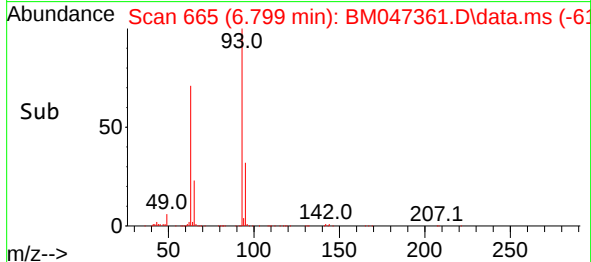
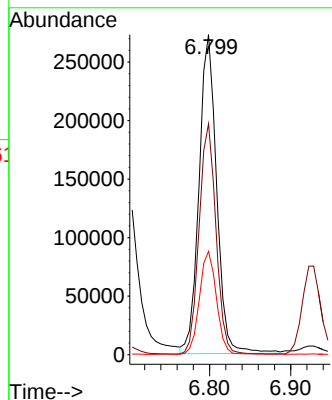
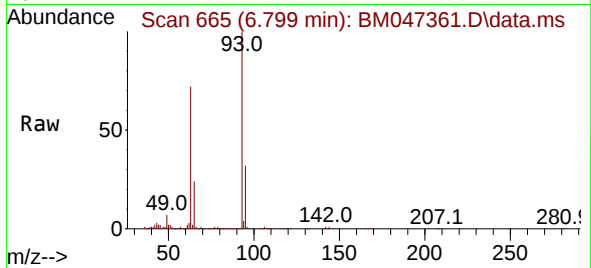




#11
bis(2-Chloroethyl)ether
Concen: 20.552 ng
RT: 6.799 min Scan# 666
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

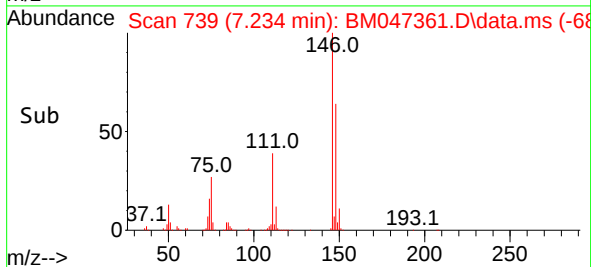
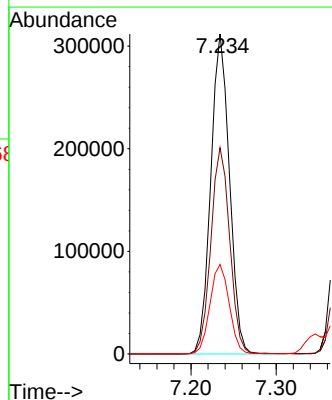
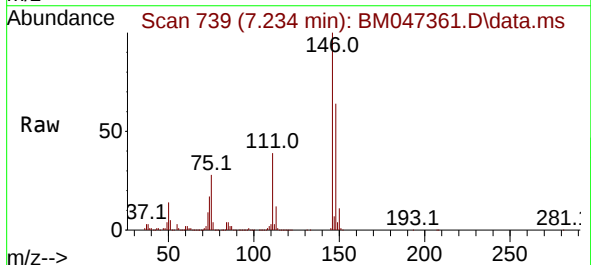
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

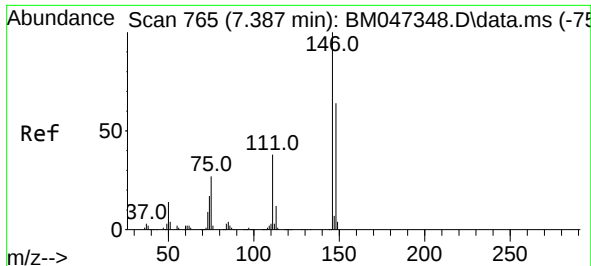
Tgt Ion: 93 Resp: 411525
Ion Ratio Lower Upper
93 100
63 72.2 52.2 92.2
95 32.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 20.108 ng
RT: 7.234 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion: 146 Resp: 474469
Ion Ratio Lower Upper
146 100
148 64.5 51.6 77.4
75 27.9 23.3 34.9

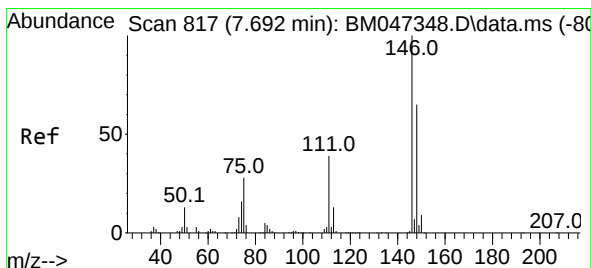
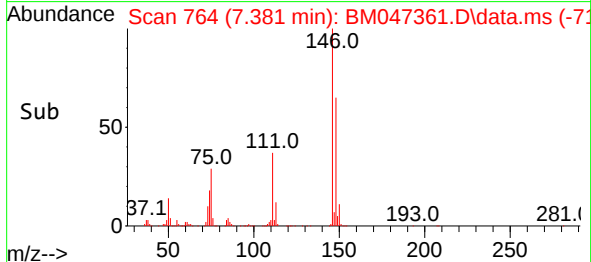
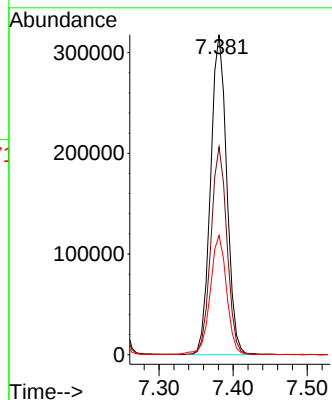
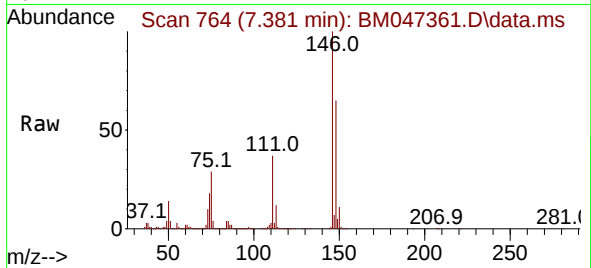




#13
1,4-Dichlorobenzene
Concen: 20.123 ng
RT: 7.381 min Scan# 764
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

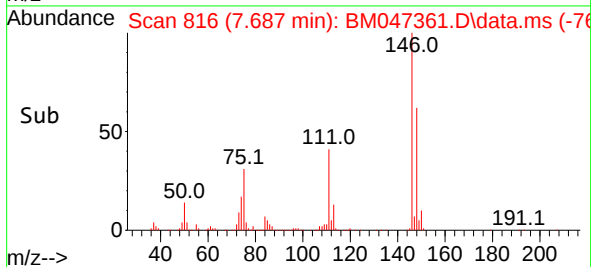
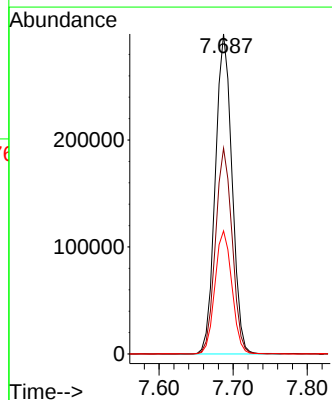
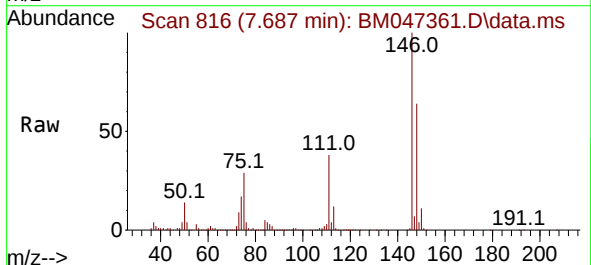
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

Tgt Ion:146 Resp: 480881
Ion Ratio Lower Upper
146 100
148 64.9 51.0 76.6
111 37.2 30.2 45.2



#14
1,2-Dichlorobenzene
Concen: 20.663 ng
RT: 7.687 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:146 Resp: 467948
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
111 38.5 31.7 47.5

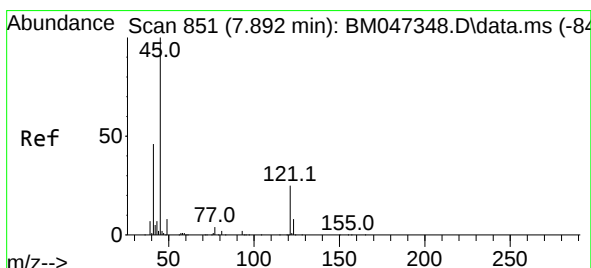
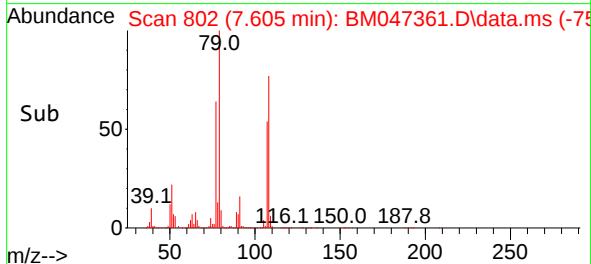
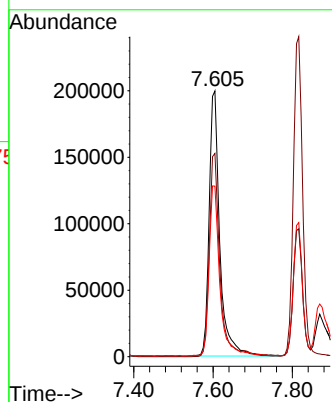
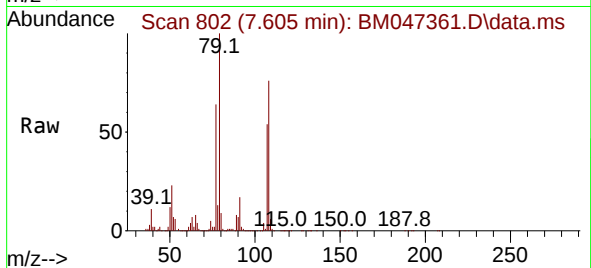




#15
Benzyl Alcohol
Concen: 22.893 ng
RT: 7.605 min Scan# 802
Delta R.T. 0.000 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

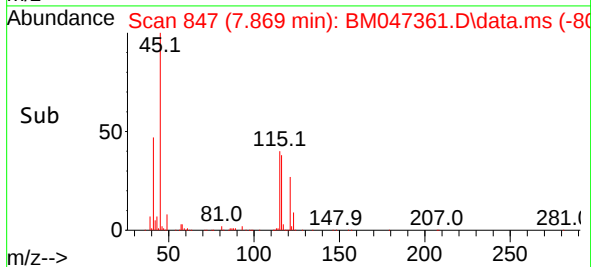
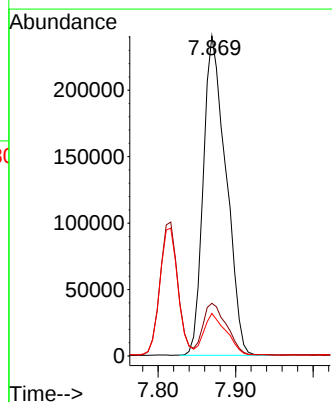
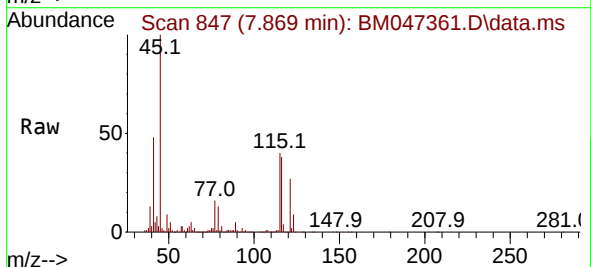
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

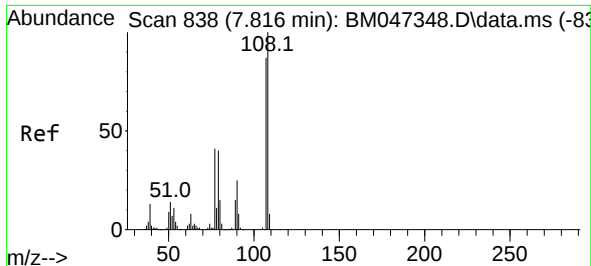
Tgt Ion: 79 Resp: 372737
Ion Ratio Lower Upper
79 100
108 76.5 61.1 91.7
77 64.1 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.350 ng
RT: 7.869 min Scan# 847
Delta R.T. -0.023 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion: 45 Resp: 488602
Ion Ratio Lower Upper
45 100
77 16.4 0.0 36.7
79 13.3 0.0 33.0

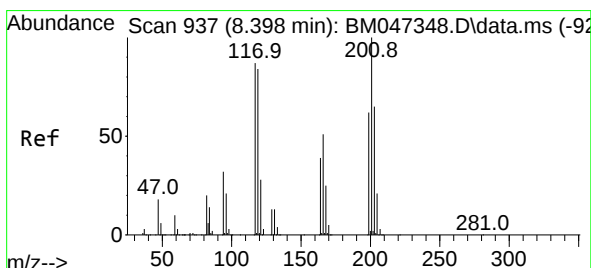
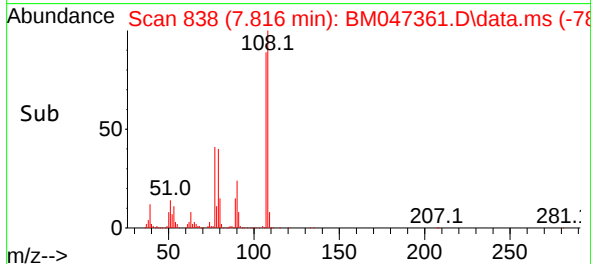
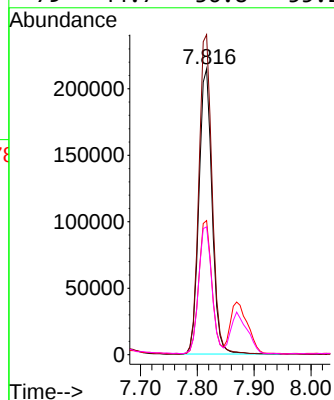
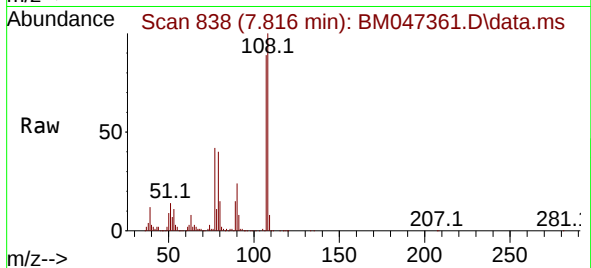




#17
2-Methylphenol
Concen: 21.498 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

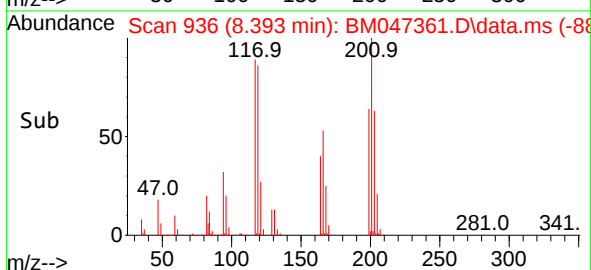
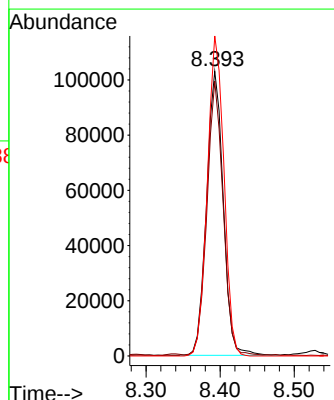
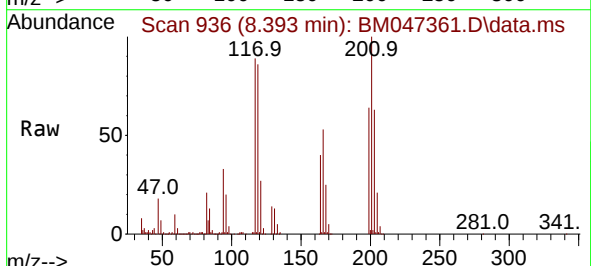
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

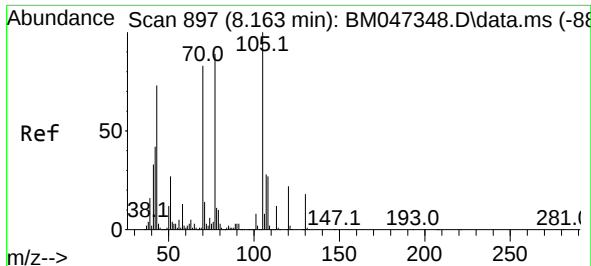
Tgt Ion:	107	Resp:	345118
Ion	Ratio	Lower	Upper
107	100		
108	112.0	91.6	137.4
77	46.9	38.0	57.0
79	44.7	36.8	55.2



#18
Hexachloroethane
Concen: 18.083 ng
RT: 8.393 min Scan# 936
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:	117	Resp:	161537
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.8
201	112.4	92.3	138.5

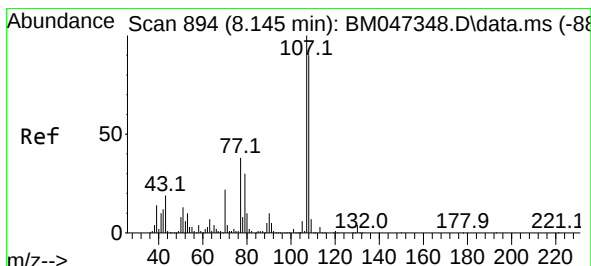
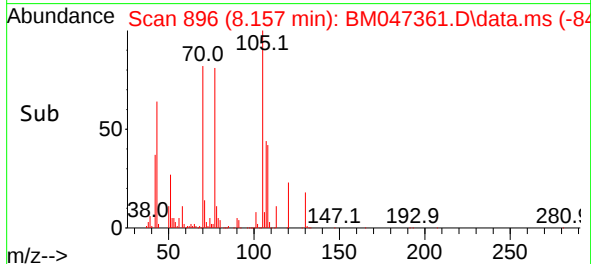
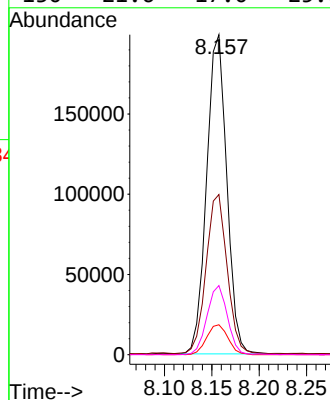
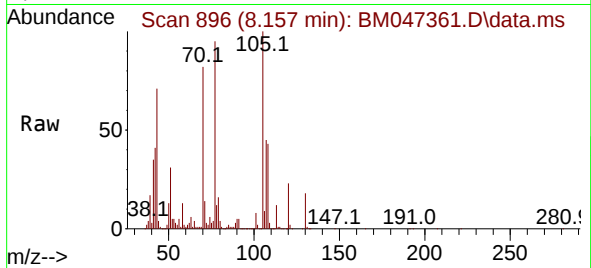




#19
n-Nitroso-di-n-propylamine
Concen: 18.249 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

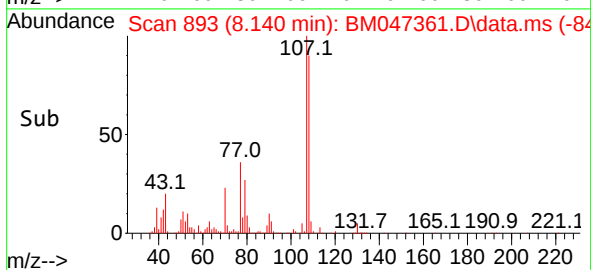
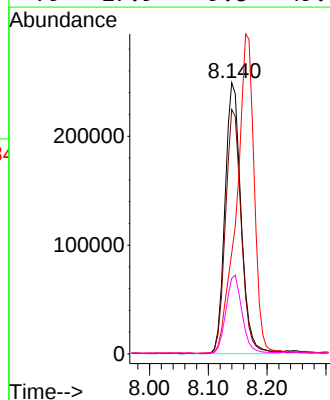
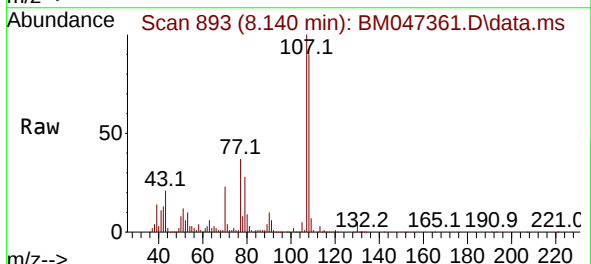
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

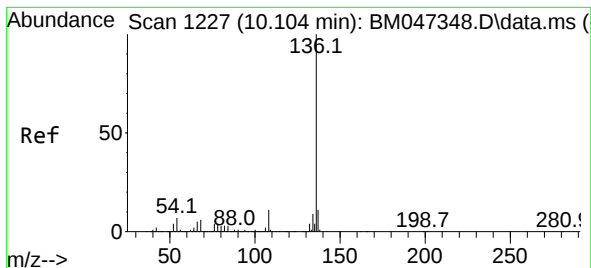
Tgt Ion:	70	Resp:	294609
Ion	Ratio	Lower	Upper
70	100		
42	50.1	41.0	61.4
101	9.4	7.9	11.9
130	21.6	17.0	25.6



#20
3+4-Methylphenols
Concen: 21.154 ng
RT: 8.140 min Scan# 893
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:	107	Resp:	472164
Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	37.3	18.0	58.0
79	27.9	9.8	49.8

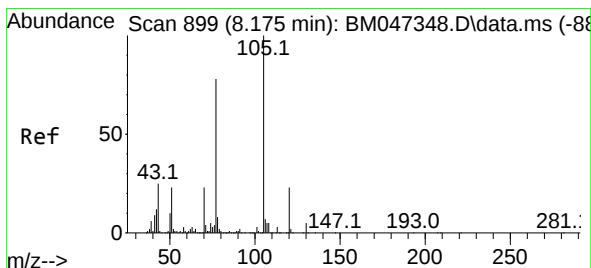
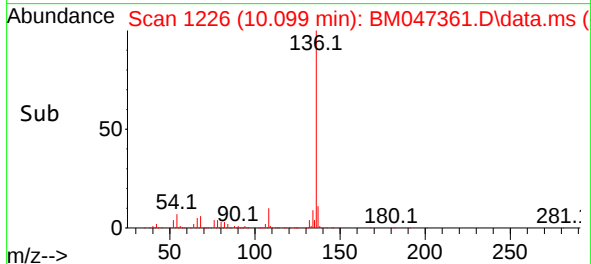
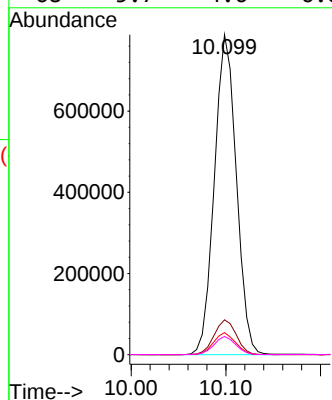
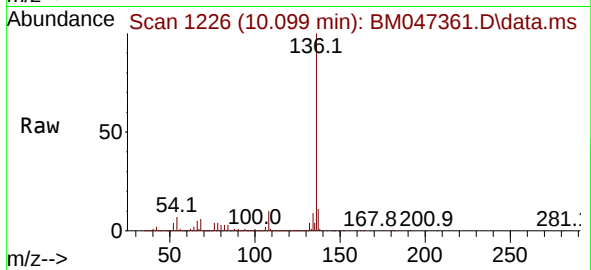




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.099 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

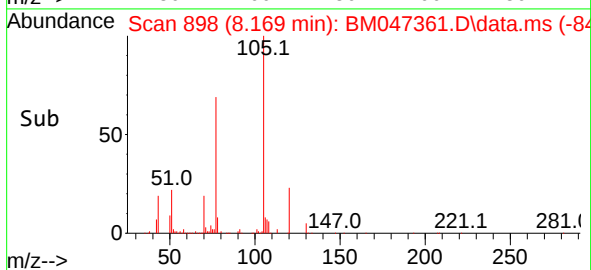
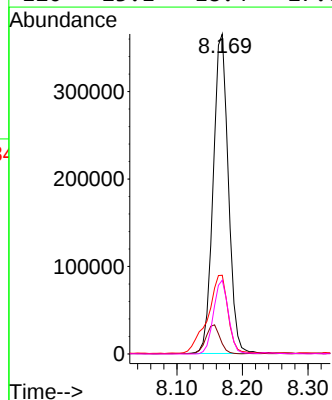
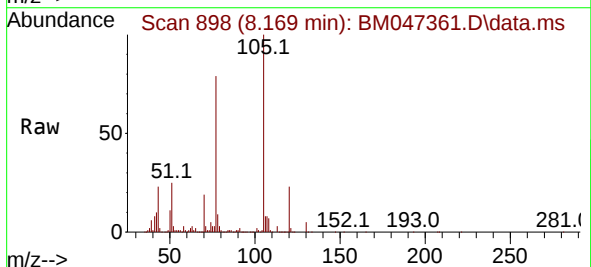
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

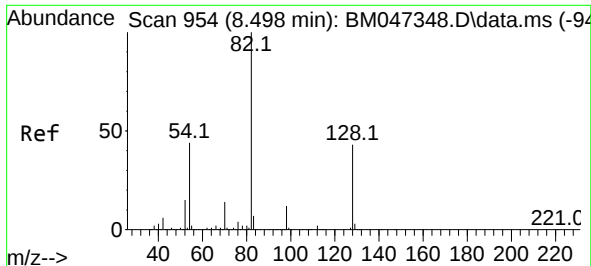
Tgt Ion:136 Resp: 1270835
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.9 5.2 7.8
68 5.7 4.6 6.8



#22
Acetophenone
Concen: 19.849 ng
RT: 8.169 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:105 Resp: 585423
Ion Ratio Lower Upper
105 100
71 3.2 3.1 4.7
51 24.6 18.7 28.1
120 23.1 18.4 27.6

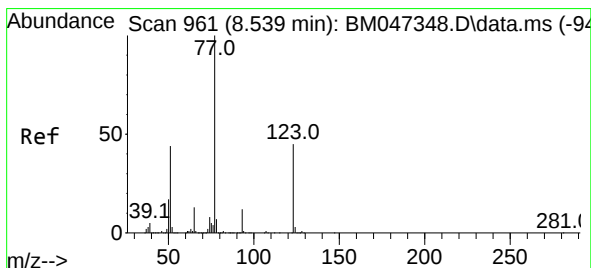
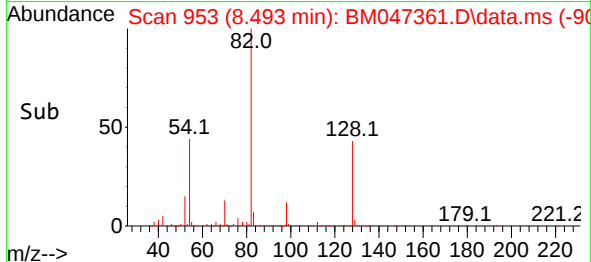
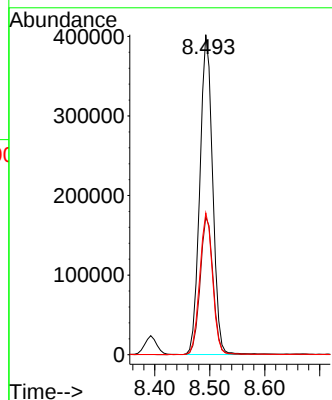
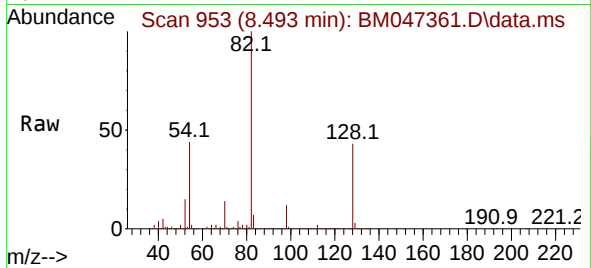




#23
Nitrobenzene-d5
Concen: 28.398 ng
RT: 8.493 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

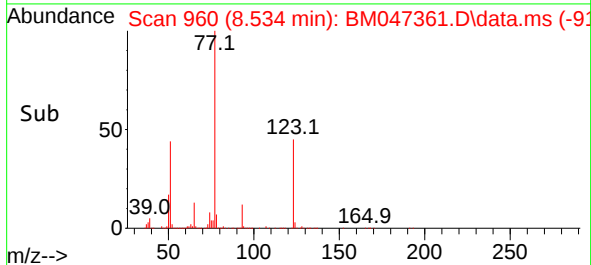
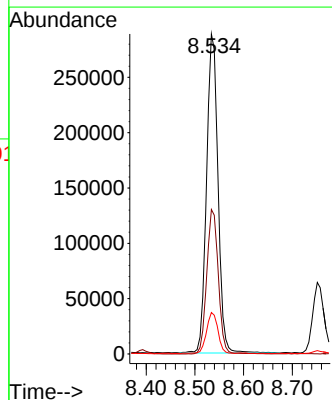
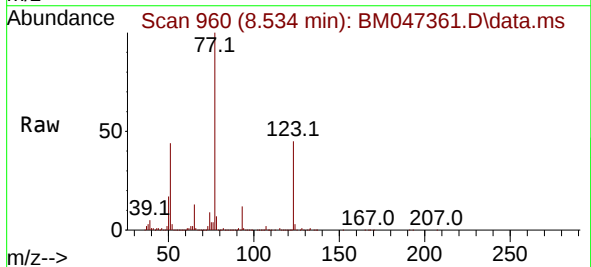
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

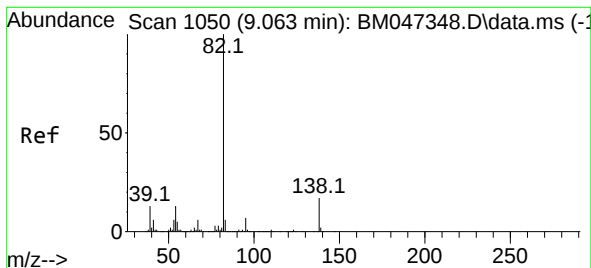
Tgt Ion: 82 Resp: 650417
Ion Ratio Lower Upper
82 100
128 43.0 34.6 51.8
54 44.3 35.5 53.3



#24
Nitrobenzene
Concen: 19.888 ng
RT: 8.534 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion: 77 Resp: 468483
Ion Ratio Lower Upper
77 100
123 45.2 35.6 53.4
65 12.9 10.5 15.7





#25

Isophorone

Concen: 19.753 ng

RT: 9.063 min Scan# 1050

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

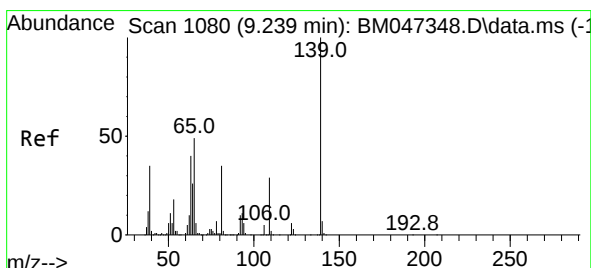
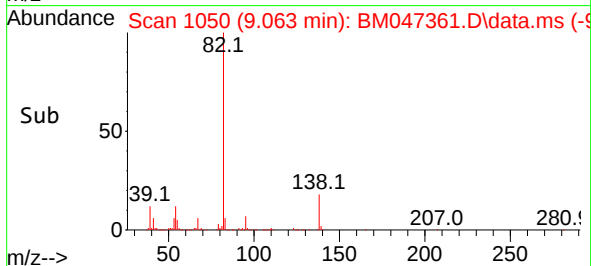
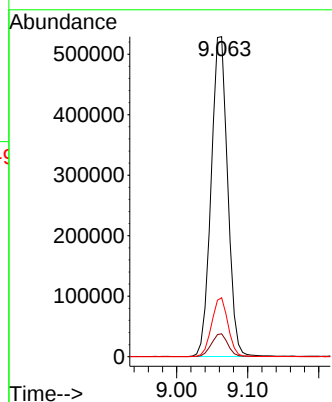
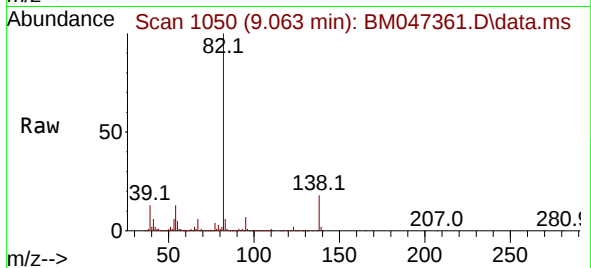
Tgt Ion: 82 Resp: 855058

Ion Ratio Lower Upper

82 100

95 7.2 5.6 8.4

138 18.4 13.9 20.9



#26

2-Nitrophenol

Concen: 20.356 ng

RT: 9.234 min Scan# 1079

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

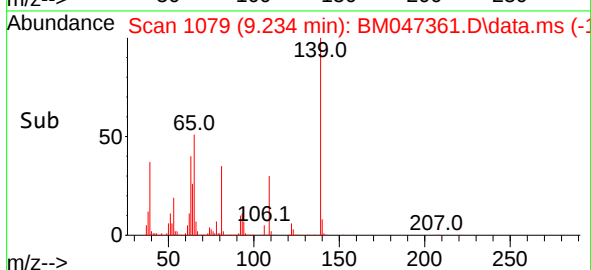
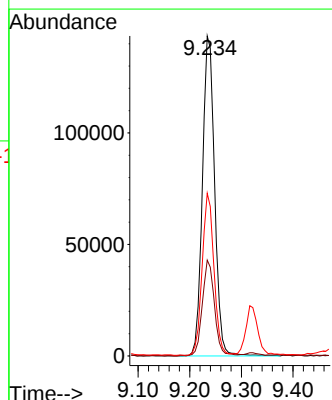
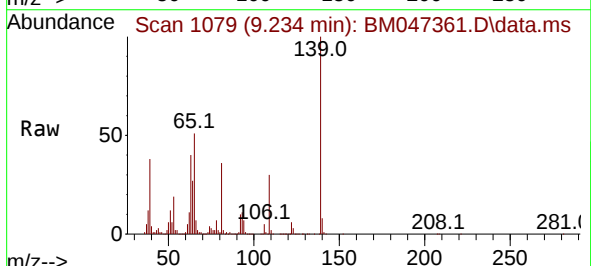
Tgt Ion:139 Resp: 235865

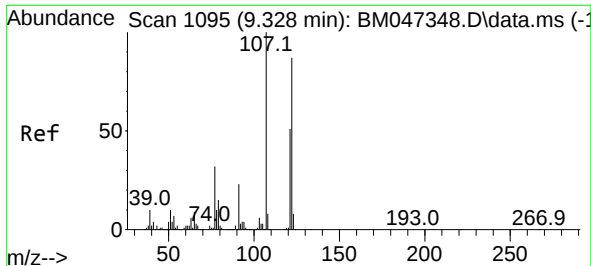
Ion Ratio Lower Upper

139 100

109 29.9 23.4 35.0

65 50.9 39.6 59.4





#27

2,4-Dimethylphenol

Concen: 26.502 ng

RT: 9.322 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

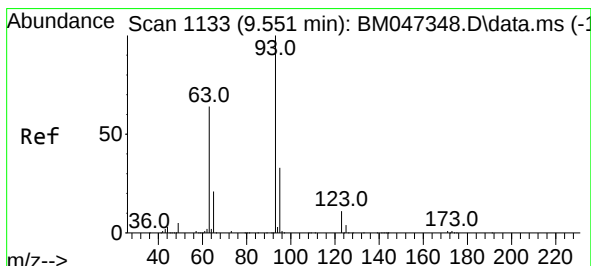
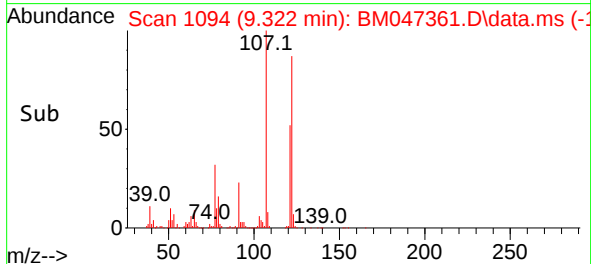
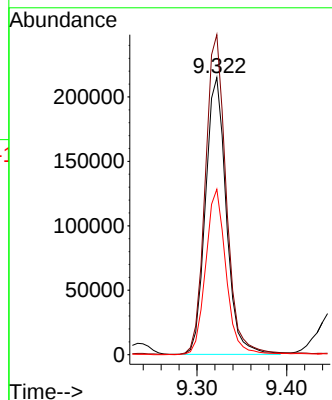
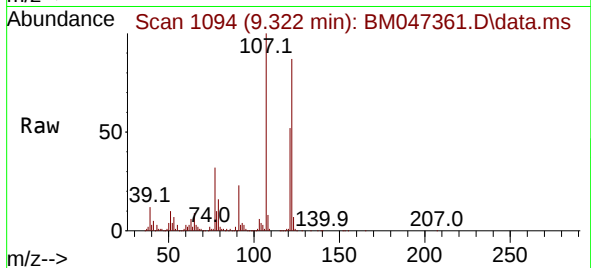
Tgt Ion:122 Resp: 346613

Ion Ratio Lower Upper

122 100

107 115.4 91.9 137.9

121 59.7 47.0 70.6



#28

bis(2-Chloroethoxy)methane

Concen: 19.667 ng

RT: 9.546 min Scan# 1132

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

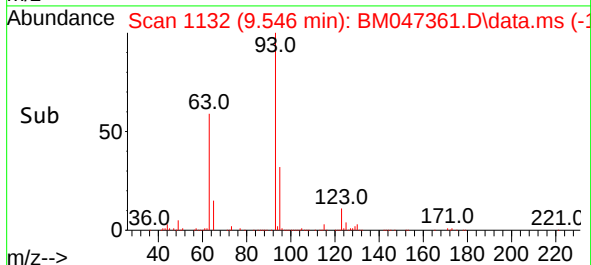
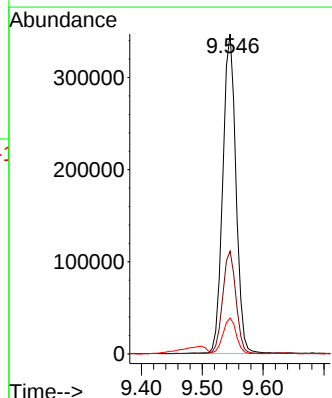
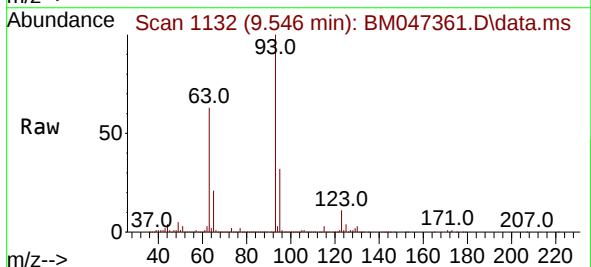
Tgt Ion: 93 Resp: 521338

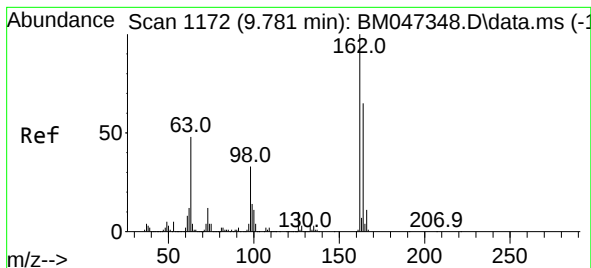
Ion Ratio Lower Upper

93 100

95 32.1 26.6 39.8

123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 22.137 ng

RT: 9.775 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

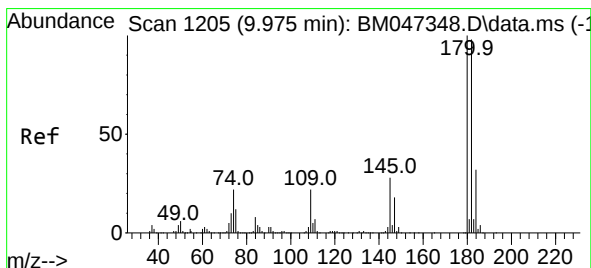
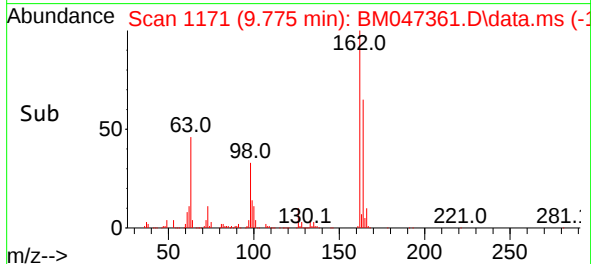
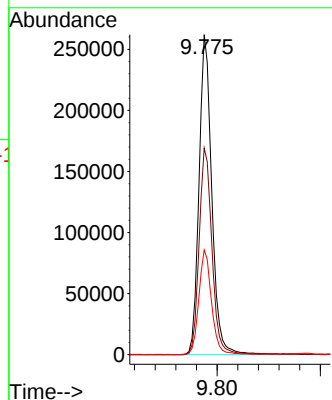
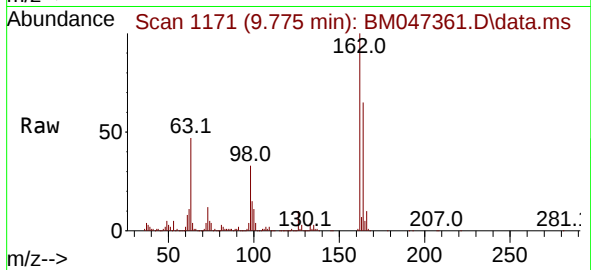
Tgt Ion:162 Resp: 449118

Ion Ratio Lower Upper

162 100

164 64.6 44.6 84.6

98 32.7 13.2 53.2



#30

1,2,4-Trichlorobenzene

Concen: 20.379 ng

RT: 9.969 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

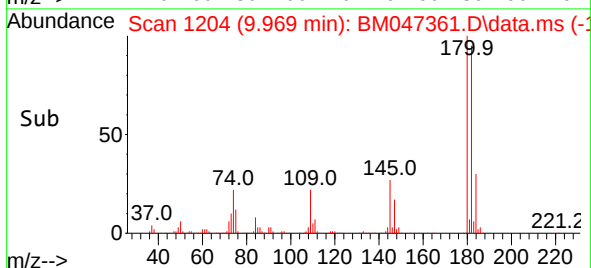
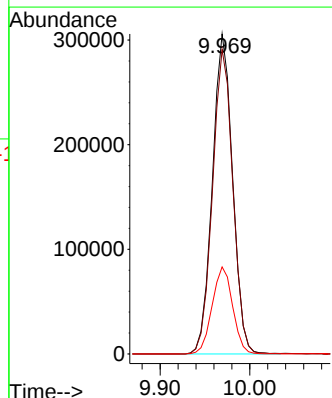
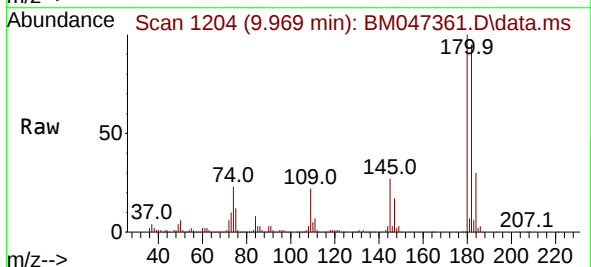
Tgt Ion:180 Resp: 477568

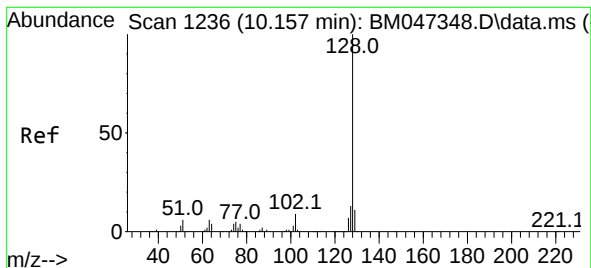
Ion Ratio Lower Upper

180 100

182 95.2 78.2 117.2

145 27.2 22.3 33.5

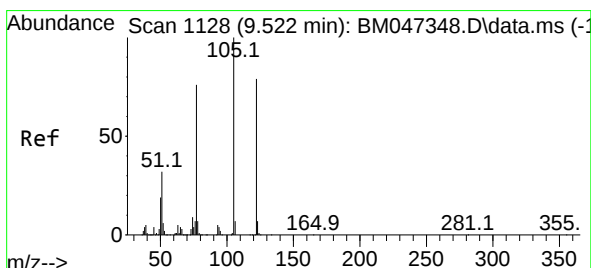
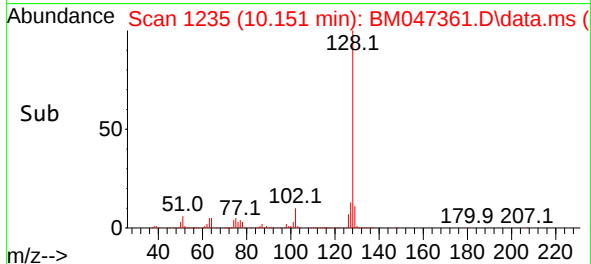
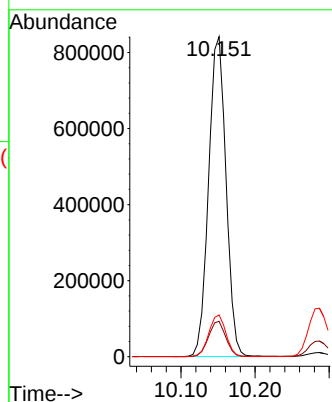
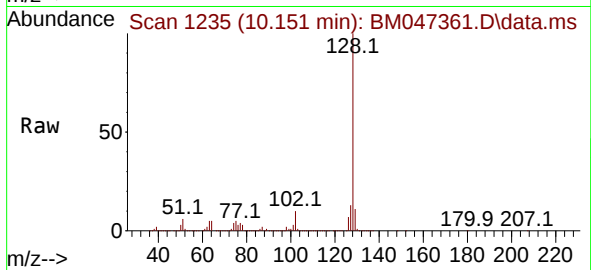




#31
Naphthalene
Concen: 22.117 ng
RT: 10.151 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

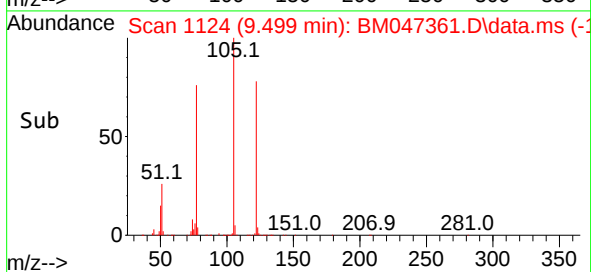
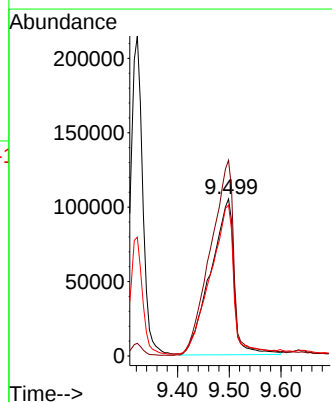
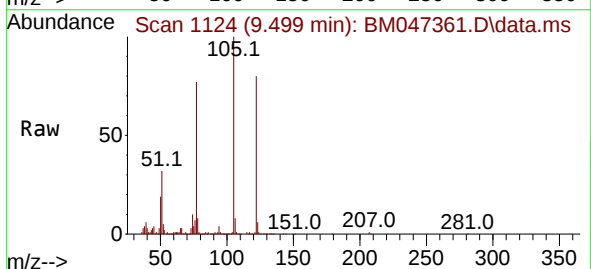
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

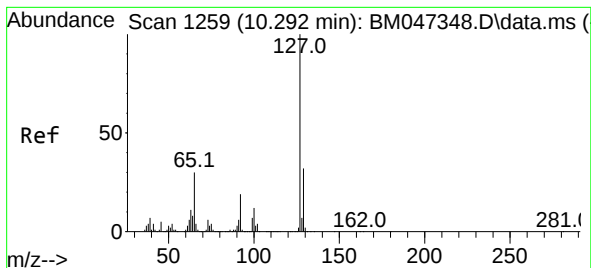
Tgt Ion:128 Resp: 1372775
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.4 15.6



#32
Benzoic acid
Concen: 21.205 ng
RT: 9.499 min Scan# 1124
Delta R.T. -0.023 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:122 Resp: 331172
Ion Ratio Lower Upper
122 100
105 124.6 106.0 146.0
77 96.0 76.3 116.3





#33

4-Chloroaniline

Concen: 11.997 ng

RT: 10.287 min Scan# 1258

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

Tgt Ion:127 Resp: 276874

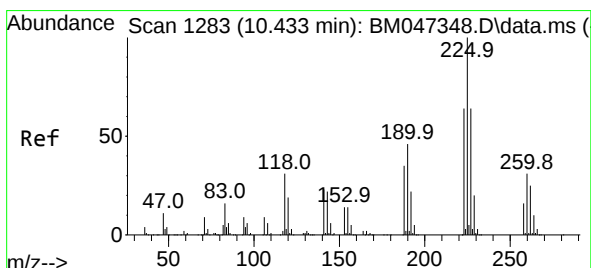
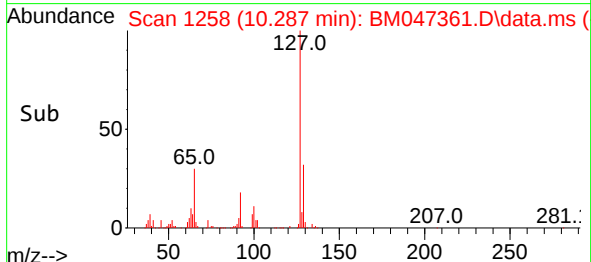
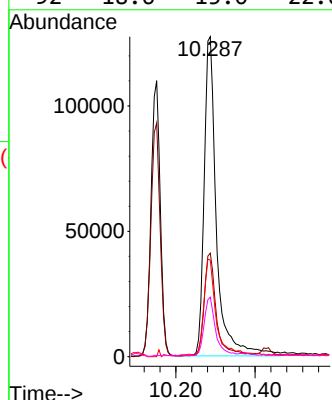
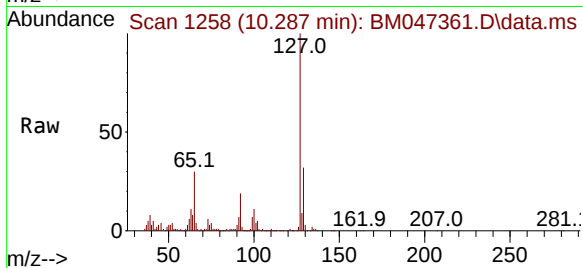
Ion Ratio Lower Upper

127 100

129 32.4 25.8 38.8

65 30.2 24.2 36.2

92 18.6 15.0 22.6



#34

Hexachlorobutadiene

Concen: 20.482 ng

RT: 10.428 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

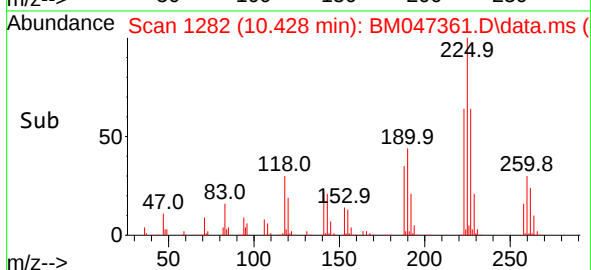
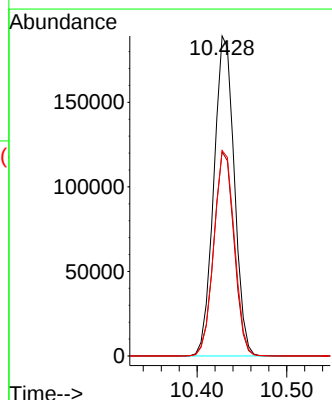
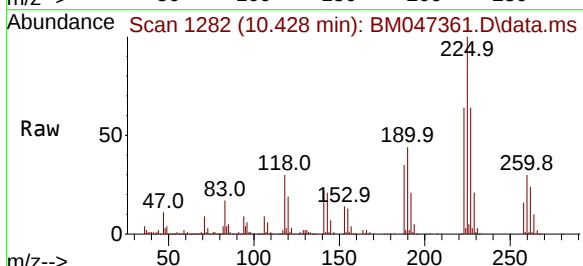
Tgt Ion:225 Resp: 299760

Ion Ratio Lower Upper

225 100

223 63.8 51.1 76.7

227 64.2 51.0 76.6

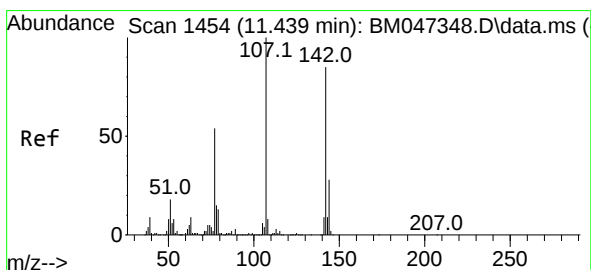
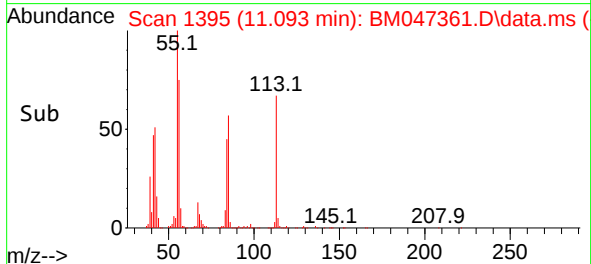
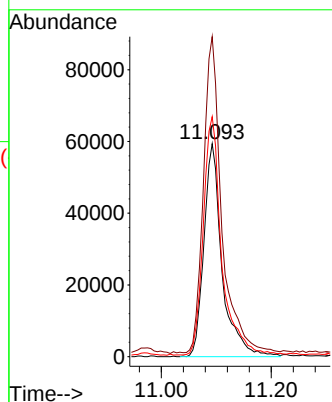
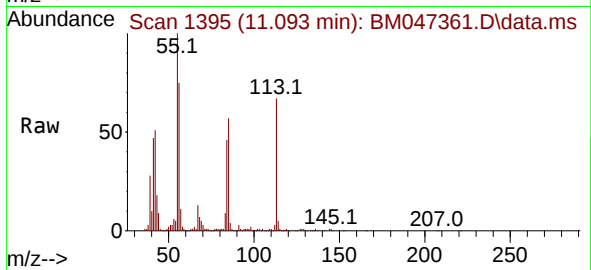




#35
Caprolactam
Concen: 20.734 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

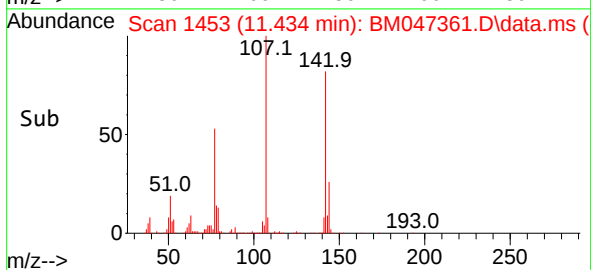
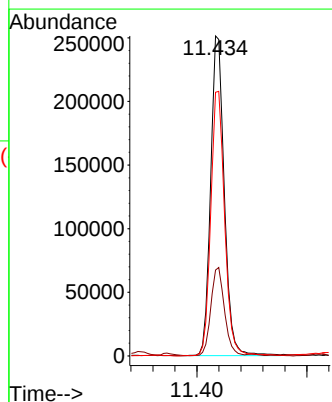
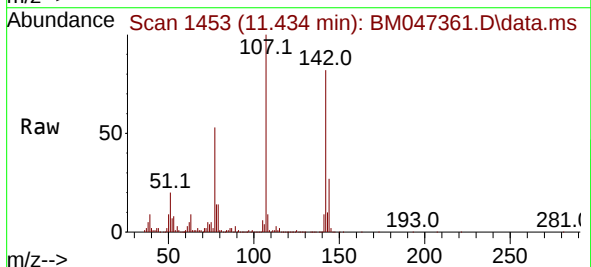
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

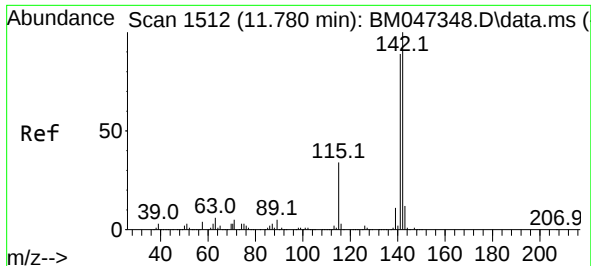
Tgt Ion:113 Resp: 136270
Ion Ratio Lower Upper
113 100
55 150.2 126.2 166.2
56 112.7 93.2 133.2



#36
4-Chloro-3-methylphenol
Concen: 21.078 ng
RT: 11.434 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:107 Resp: 434261
Ion Ratio Lower Upper
107 100
144 26.8 22.2 33.4
142 82.4 67.7 101.5

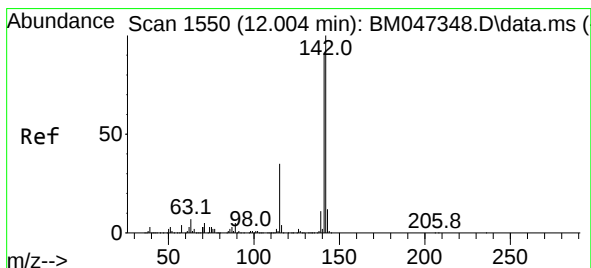
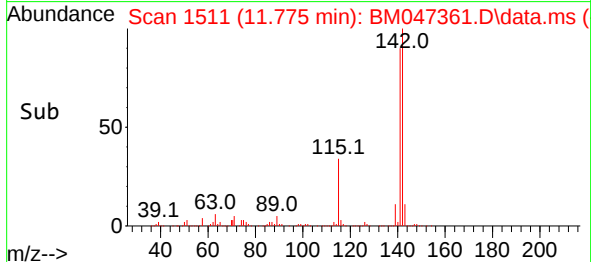
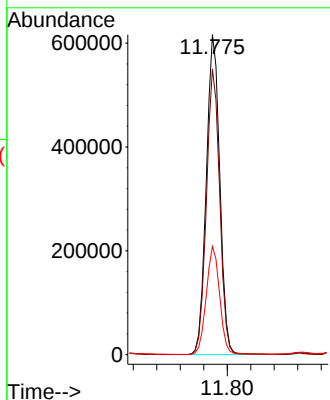
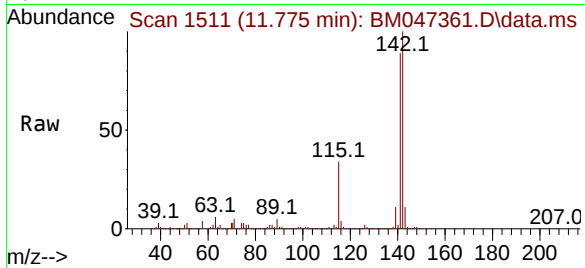




#37
2-Methylnaphthalene
Concen: 21.565 ng
RT: 11.775 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

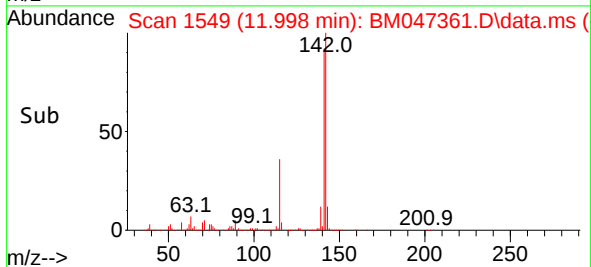
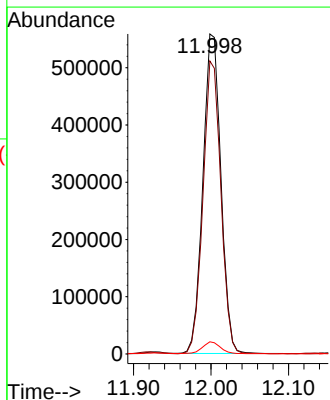
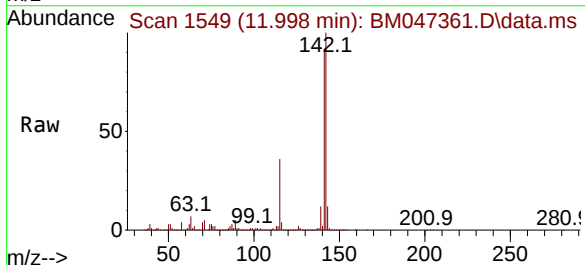
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

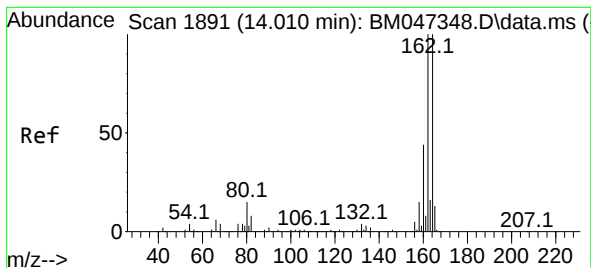
Tgt Ion:142 Resp: 975989
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 33.9 27.5 41.3



#38
1-Methylnaphthalene
Concen: 20.087 ng
RT: 11.998 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:142 Resp: 899088
Ion Ratio Lower Upper
142 100
141 91.5 72.9 109.3
116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.010 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

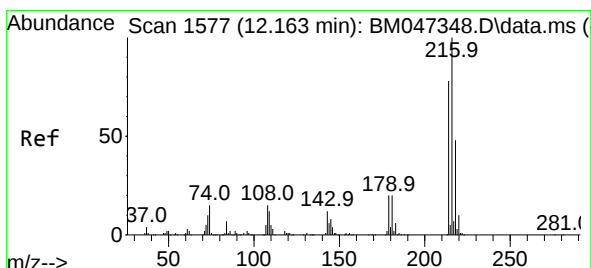
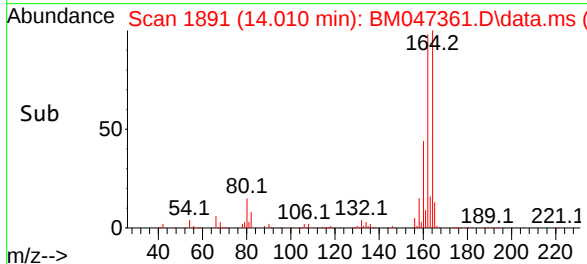
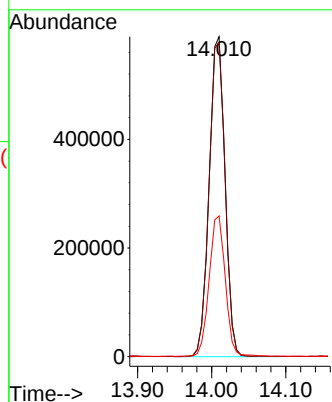
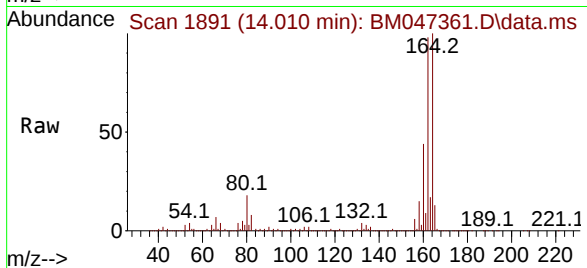
Tgt Ion:164 Resp: 872733

Ion Ratio Lower Upper

164 100

162 98.2 79.7 119.5

160 44.0 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.852 ng

RT: 12.157 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Tgt Ion:216 Resp: 538873

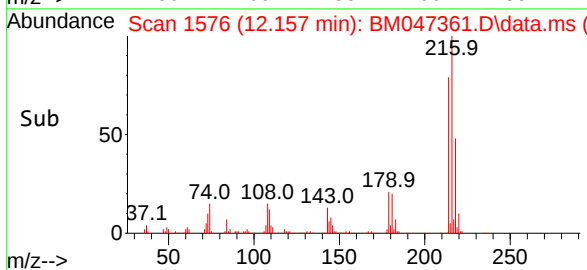
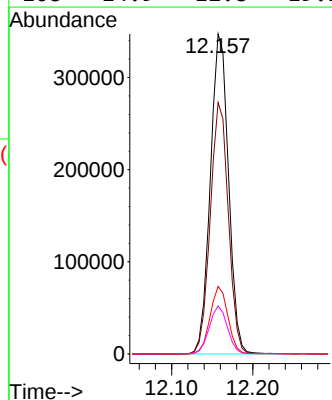
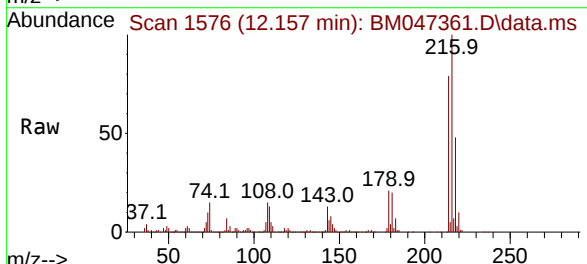
Ion Ratio Lower Upper

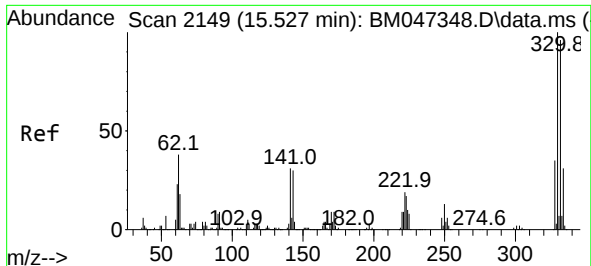
216 100

214 78.3 62.6 94.0

179 20.8 16.6 24.8

108 14.9 12.8 19.2

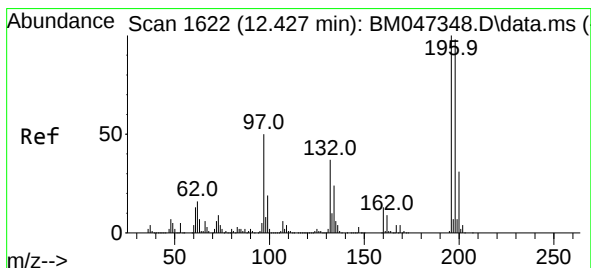
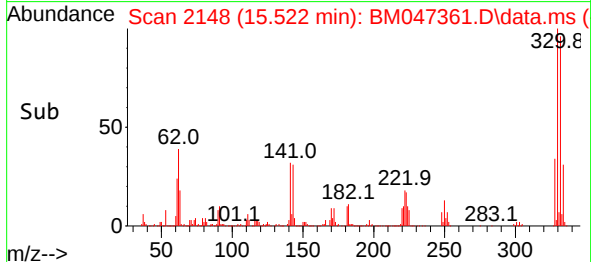
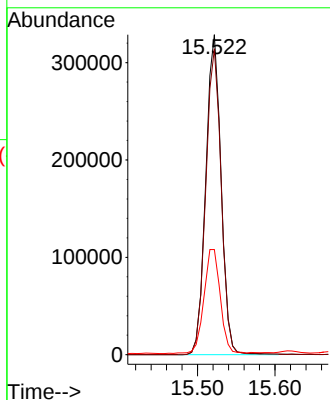
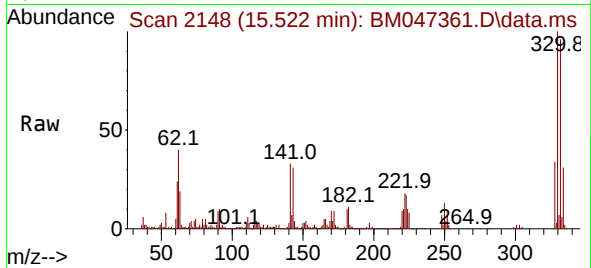




#42
 2,4,6-Tribromophenol
 Concen: 42.818 ng
 RT: 15.522 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: BM047361.D
 Acq: 27 Aug 2024 13:17

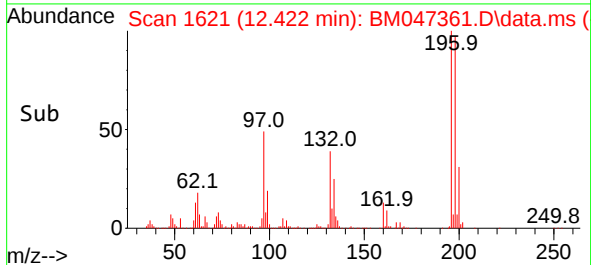
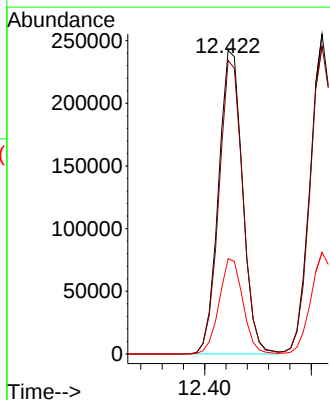
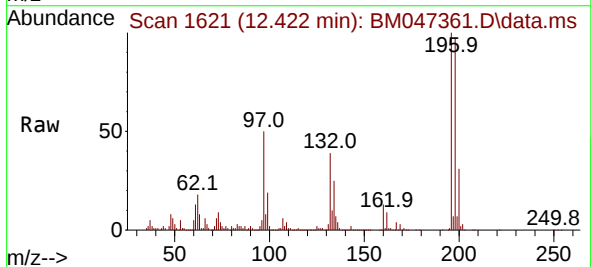
Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEMSD

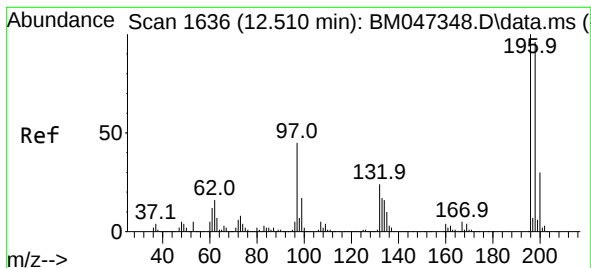
Tgt Ion:330 Resp: 450845
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.2 115.8
 141 34.8 27.6 41.4



#43
 2,4,6-Trichlorophenol
 Concen: 21.419 ng
 RT: 12.422 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BM047361.D
 Acq: 27 Aug 2024 13:17

Tgt Ion:196 Resp: 379467
 Ion Ratio Lower Upper
 196 100
 198 96.7 78.2 117.2
 200 31.4 24.9 37.3





#44

2,4,5-Trichlorophenol

Concen: 20.813 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

Tgt Ion:196 Resp: 409487

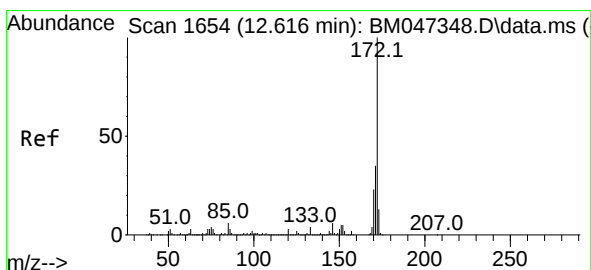
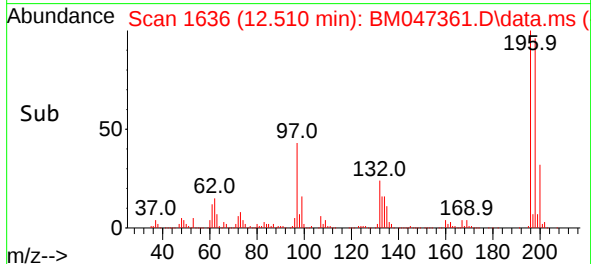
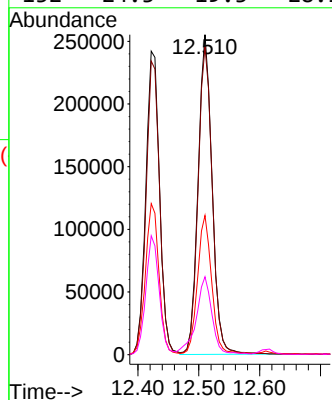
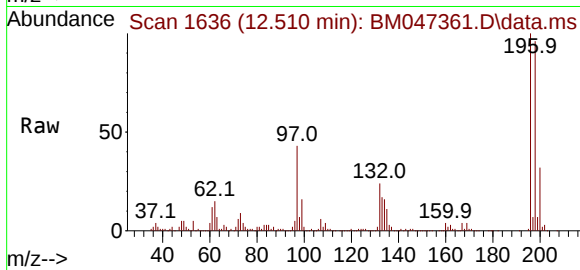
Ion Ratio Lower Upper

196 100

198 96.2 76.6 115.0

97 43.5 35.9 53.9

132 24.3 19.3 28.9



#45

2-Fluorobiphenyl

Concen: 26.401 ng

RT: 12.610 min Scan# 1653

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

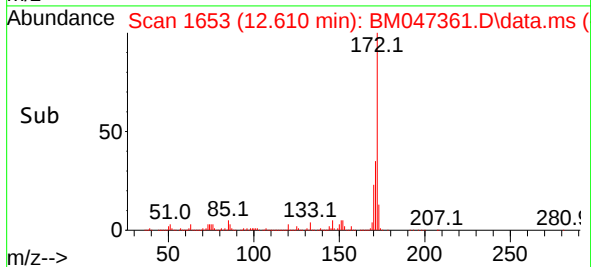
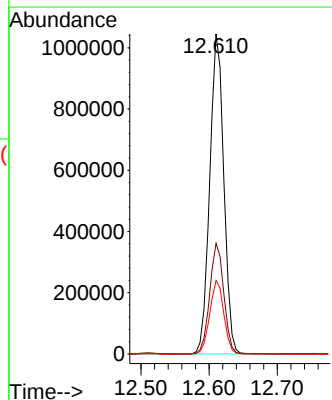
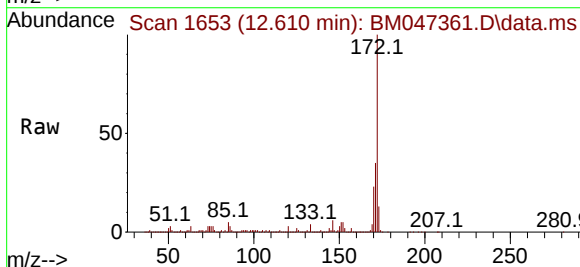
Tgt Ion:172 Resp: 1499578

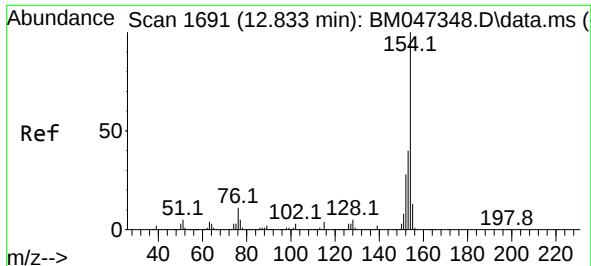
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.0 18.5 27.7

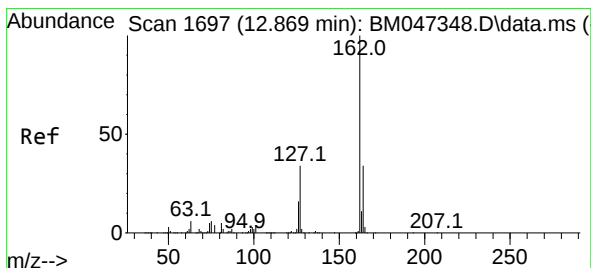
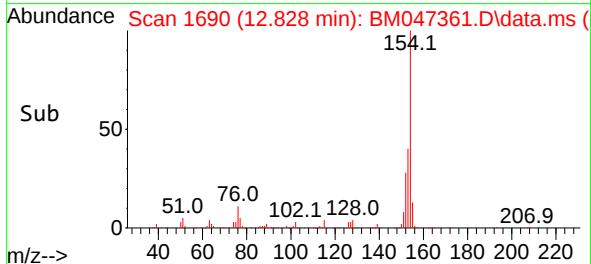
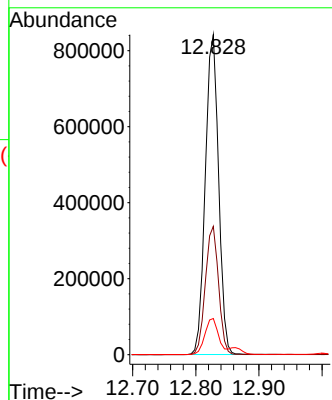
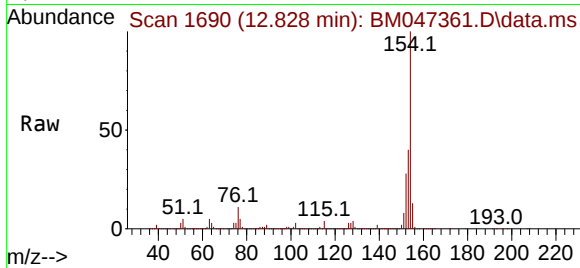




#46
1,1'-Biphenyl
Concen: 20.218 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

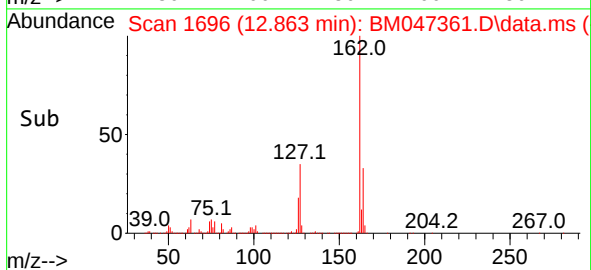
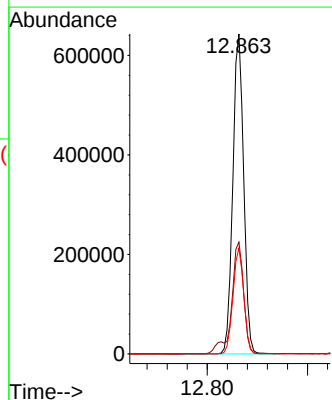
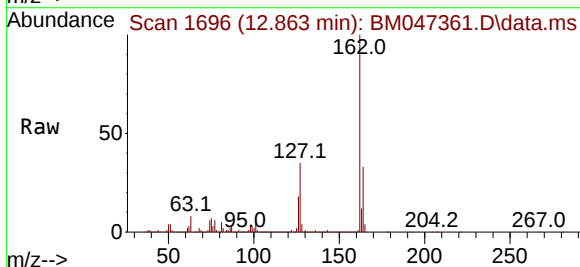
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

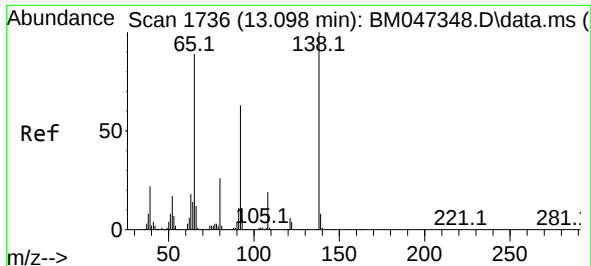
Tgt Ion:154 Resp: 1232067
Ion Ratio Lower Upper
154 100
153 40.1 20.1 60.1
76 11.3 0.0 31.2



#47
2-Chloronaphthalene
Concen: 20.218 ng
RT: 12.863 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:162 Resp: 965510
Ion Ratio Lower Upper
162 100
127 35.0 28.3 42.5
164 33.0 27.0 40.4

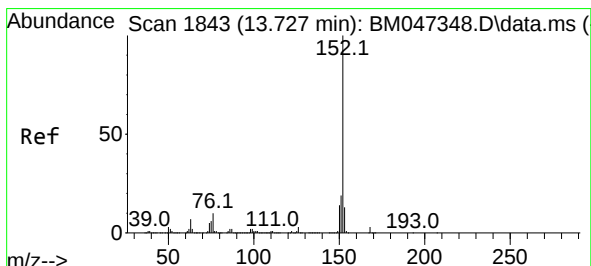
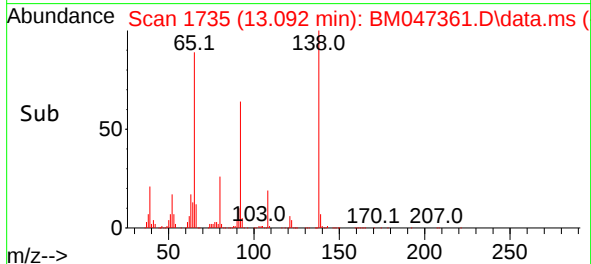
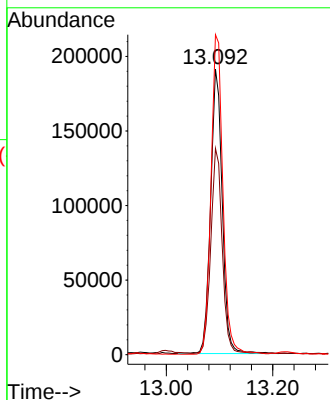
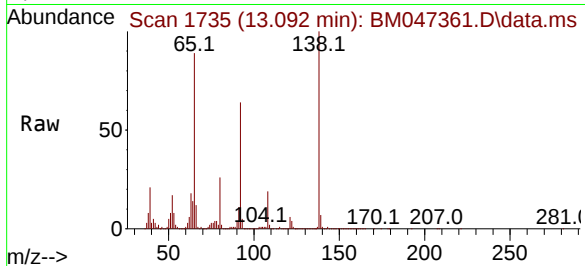




#48
2-Nitroaniline
Concen: 21.643 ng
RT: 13.092 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

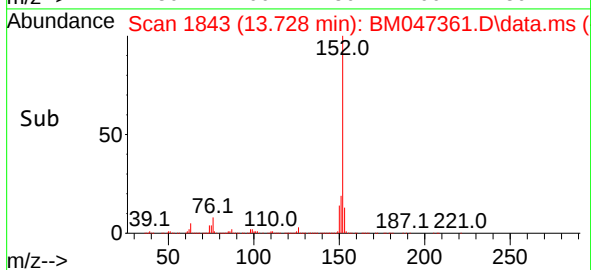
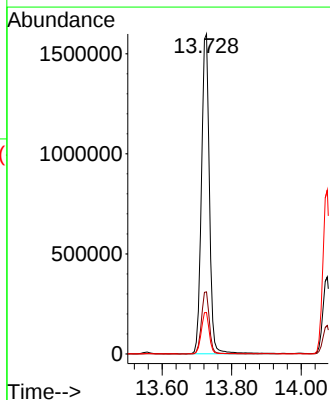
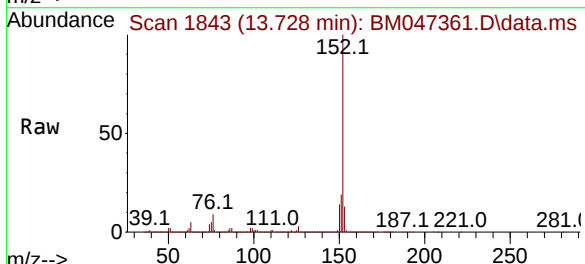
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

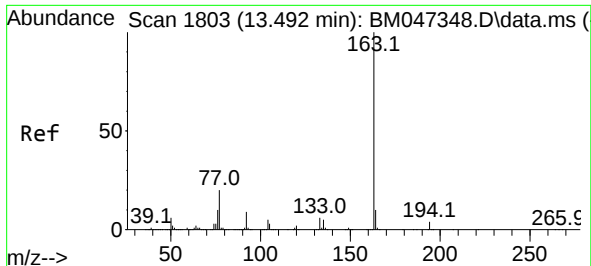
Tgt Ion: 65 Resp: 289511
Ion Ratio Lower Upper
65 100
92 72.2 57.0 85.6
138 112.0 90.0 135.0



#49
Acenaphthylene
Concen: 36.421 ng
RT: 13.728 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:152 Resp: 2527867
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.0
153 12.9 10.6 15.8

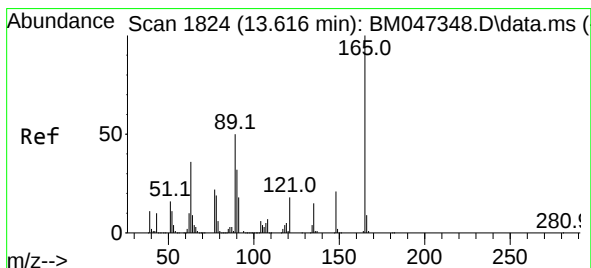
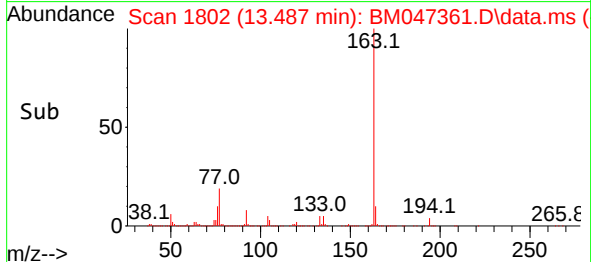
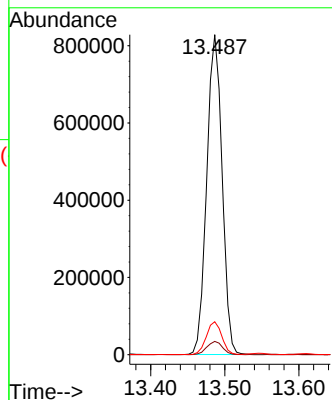
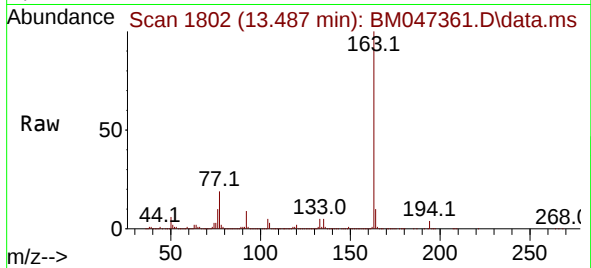




#50
Dimethylphthalate
Concen: 19.837 ng
RT: 13.487 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

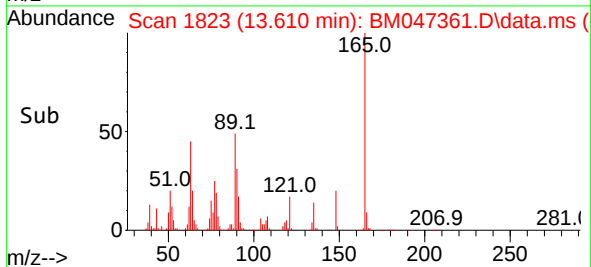
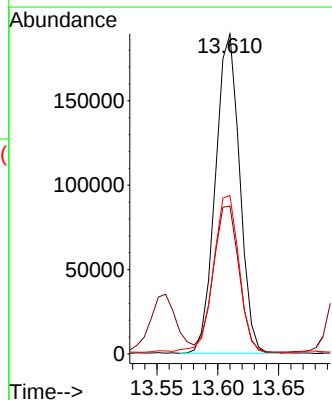
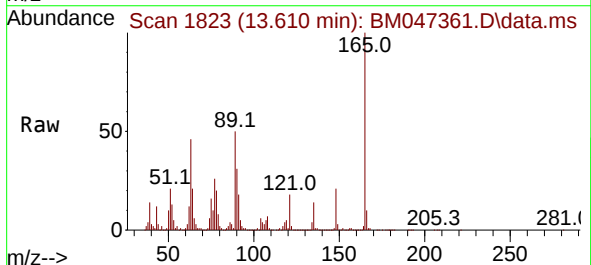
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

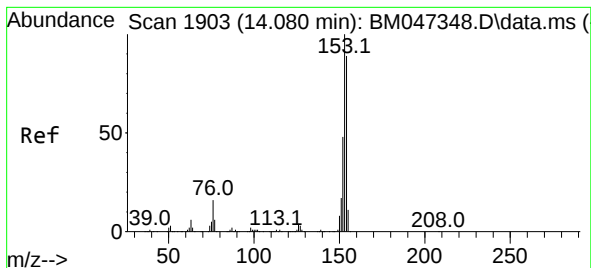
Tgt Ion:163 Resp: 1192878
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.3 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 18.725 ng
RT: 13.610 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:165 Resp: 262172
Ion Ratio Lower Upper
165 100
63 46.2 38.2 57.4
89 49.5 40.4 60.6

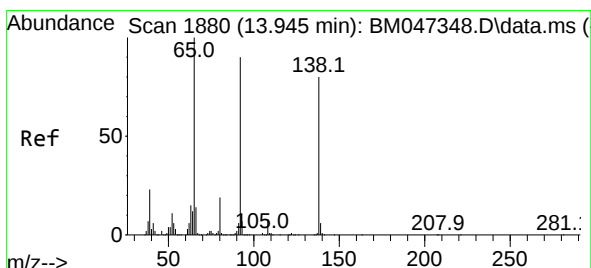
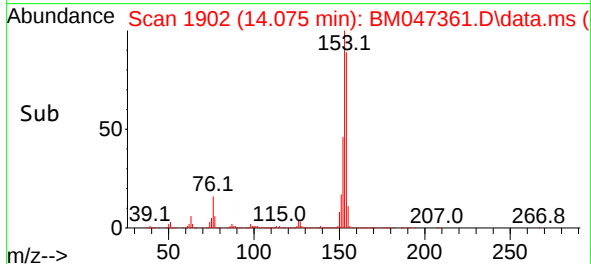
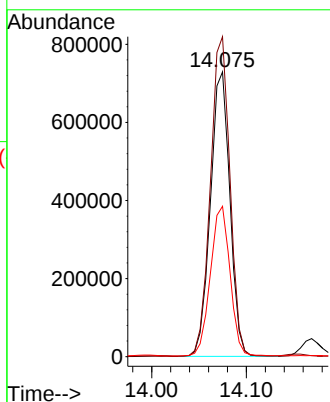
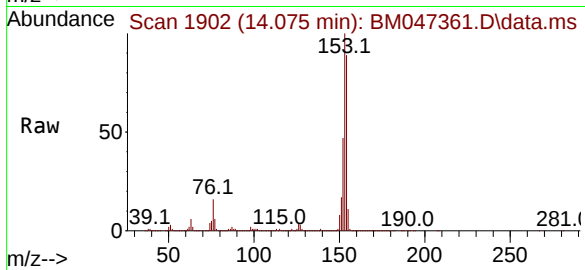




#52
Acenaphthene
Concen: 23.595 ng
RT: 14.075 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

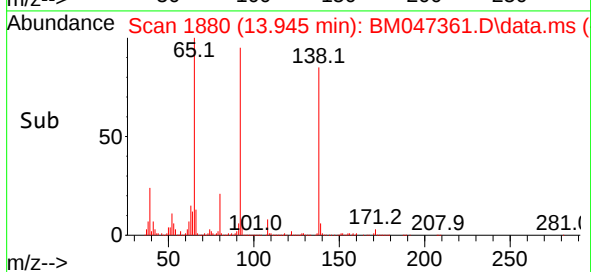
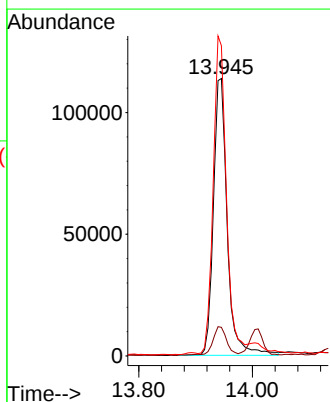
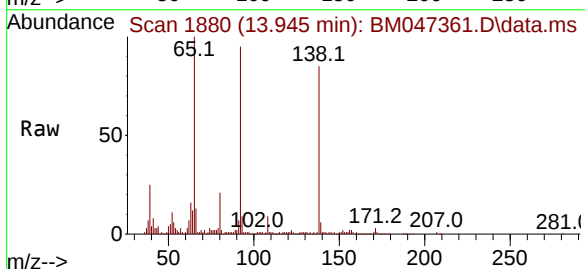
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

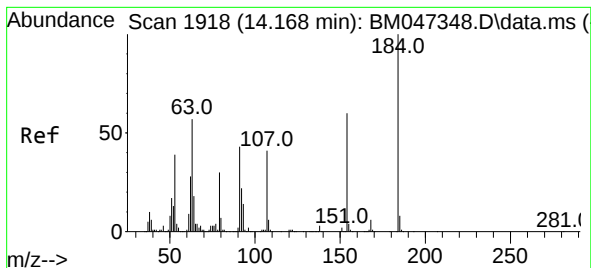
Tgt Ion:154 Resp: 1039600
Ion Ratio Lower Upper
154 100
153 112.4 89.5 134.3
152 52.8 43.0 64.4



#53
3-Nitroaniline
Concen: 14.825 ng
RT: 13.945 min Scan# 1880
Delta R.T. 0.000 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:138 Resp: 191533
Ion Ratio Lower Upper
138 100
108 10.3 8.0 12.0
92 111.9 90.1 135.1

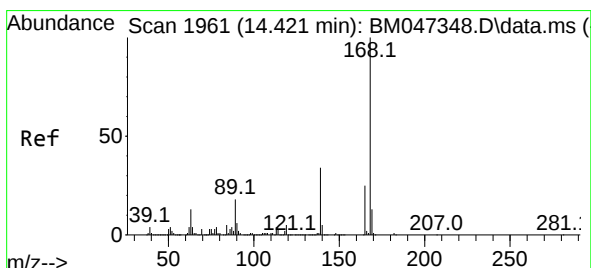
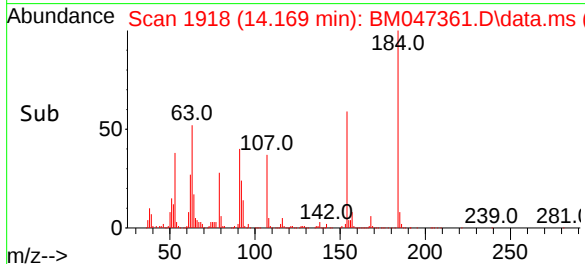
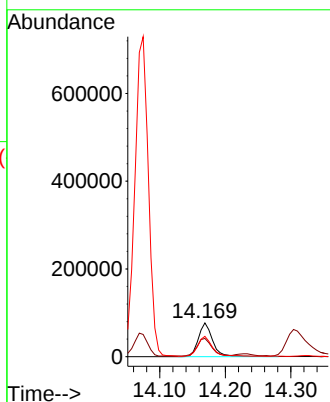
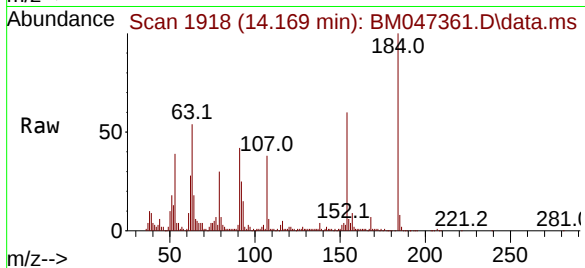




#54
2,4-Dinitrophenol
Concen: 13.483 ng
RT: 14.169 min Scan# 1918
Delta R.T. 0.001 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

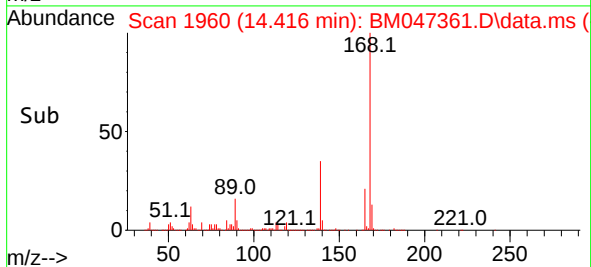
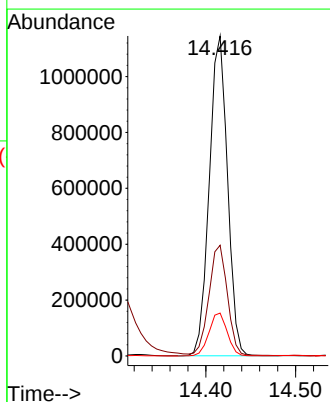
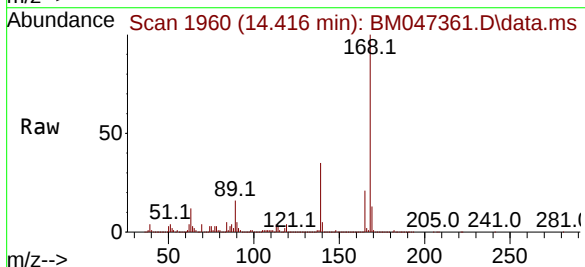
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

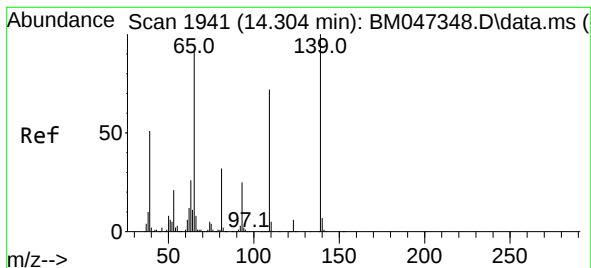
Tgt Ion:184 Resp: 116257
Ion Ratio Lower Upper
184 100
63 53.8 45.7 68.5
154 60.3 48.5 72.7



#55
Dibenzofuran
Concen: 22.704 ng
RT: 14.416 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:168 Resp: 1611262
Ion Ratio Lower Upper
168 100
139 34.6 27.5 41.3
169 13.4 10.5 15.7

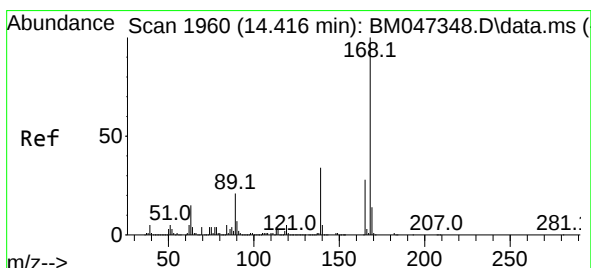
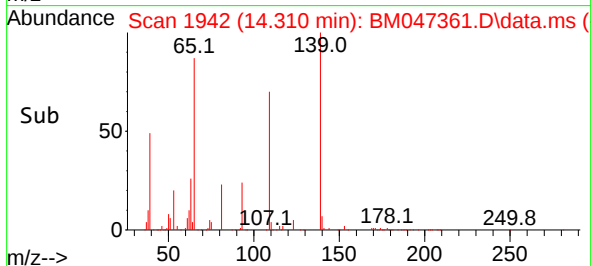
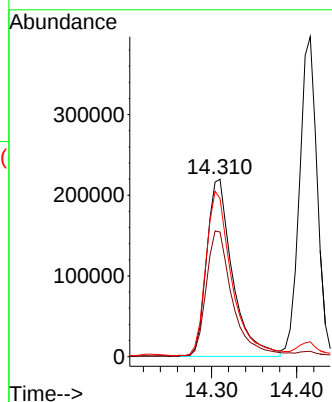
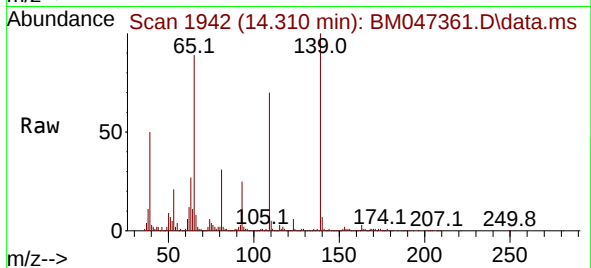




#56
4-Nitrophenol
Concen: 45.583 ng
RT: 14.310 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

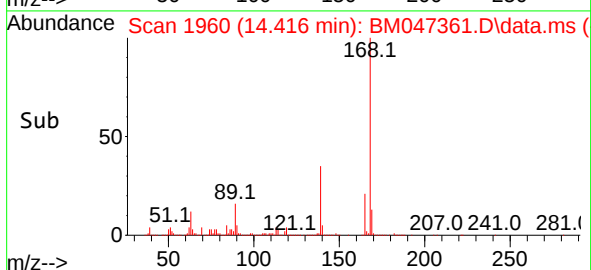
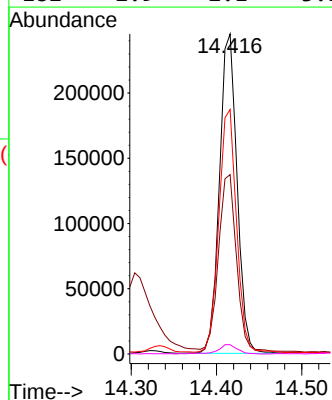
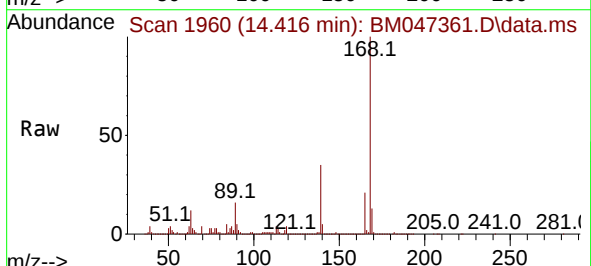
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

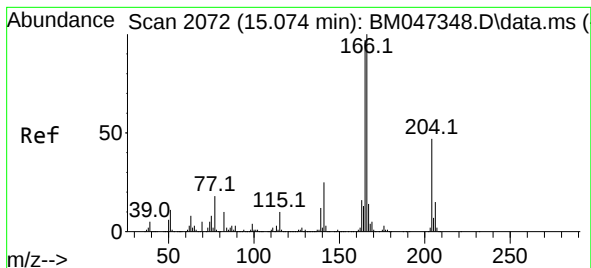
Tgt Ion:139 Resp: 460340
Ion Ratio Lower Upper
139 100
109 70.2 51.6 91.6
65 89.1 71.7 111.7



#57
2,4-Dinitrotoluene
Concen: 19.383 ng
RT: 14.416 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:165 Resp: 351309
Ion Ratio Lower Upper
165 100
63 56.0 42.2 63.4
89 76.4 59.3 88.9
182 2.9 2.1 3.1





#58

Fluorene

Concen: 24.520 ng

RT: 15.069 min Scan# 2071

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

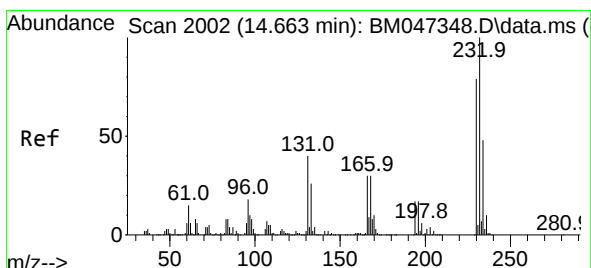
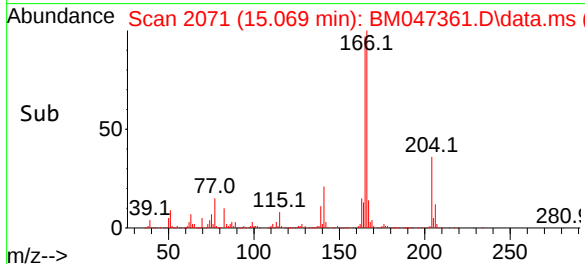
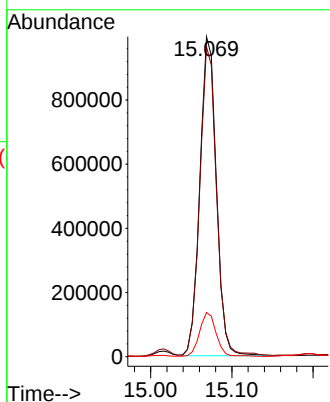
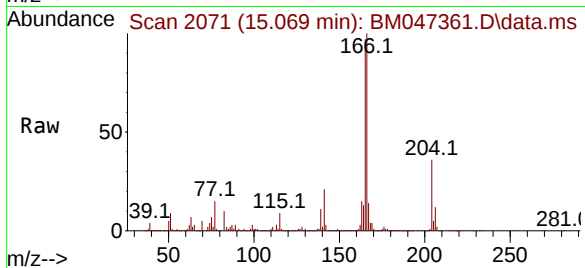
Tgt Ion:166 Resp: 1408365

Ion Ratio Lower Upper

166 100

165 96.9 77.8 116.6

167 13.8 11.1 16.7



#59

2,3,4,6-Tetrachlorophenol

Concen: 22.926 ng

RT: 14.657 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Tgt Ion:232 Resp: 370489

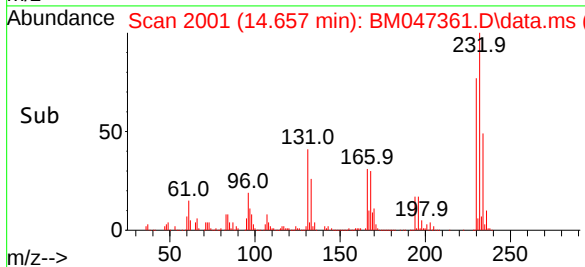
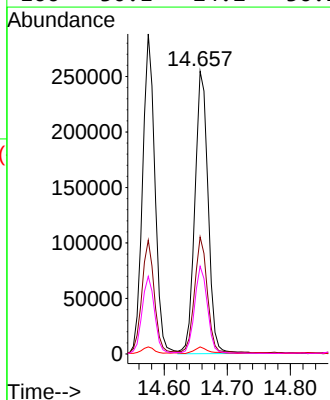
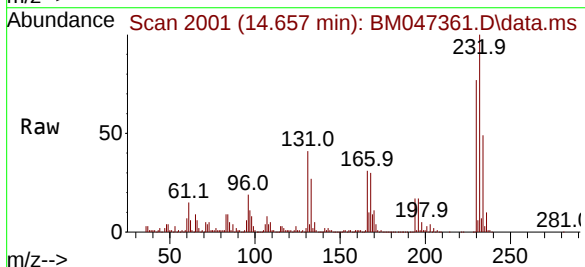
Ion Ratio Lower Upper

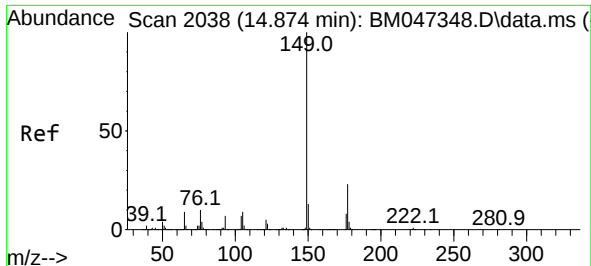
232 100

131 39.2 31.7 47.5

130 2.4 1.7 2.5

166 30.1 24.2 36.2

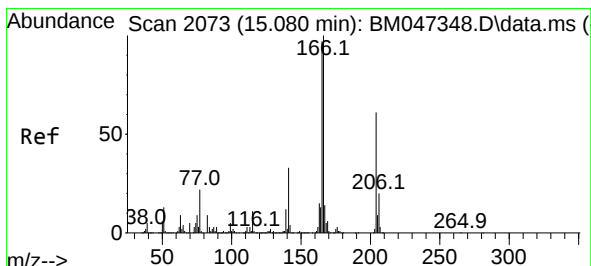
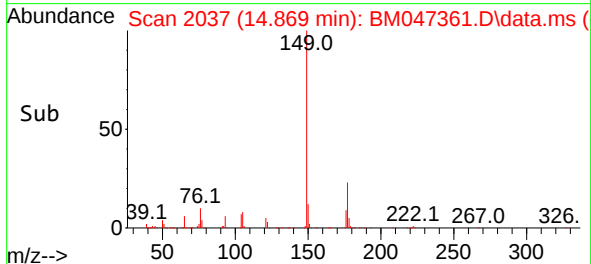
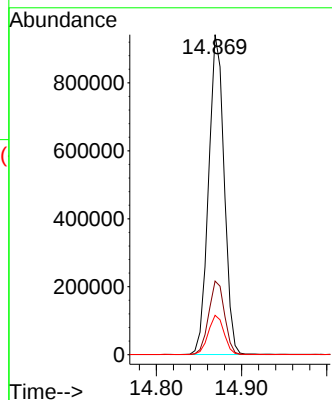
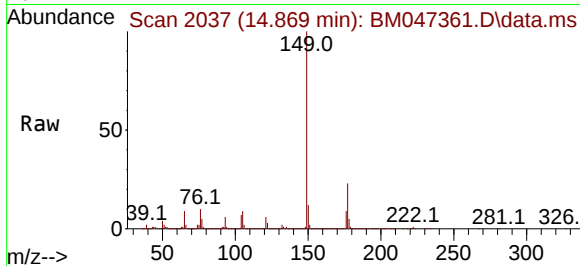




#60
Diethylphthalate
Concen: 20.101 ng
RT: 14.869 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

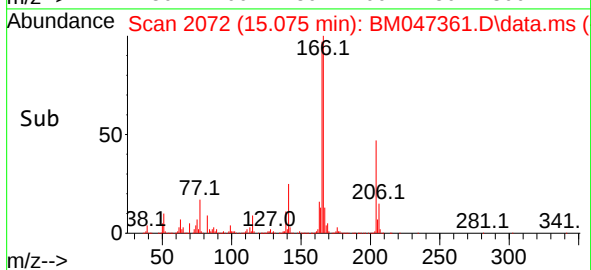
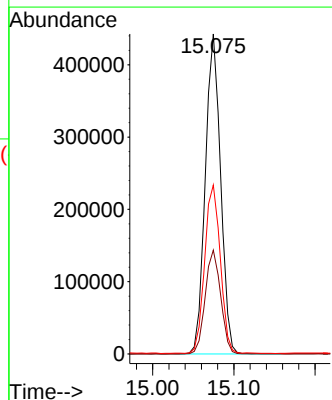
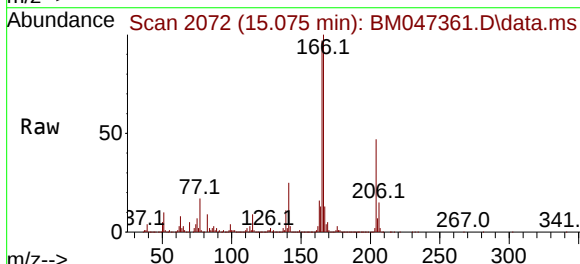
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

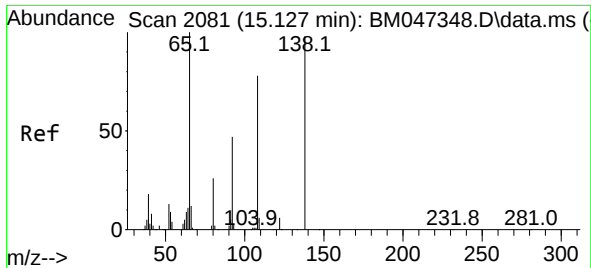
Tgt Ion:149 Resp: 1192375
Ion Ratio Lower Upper
149 100
177 23.0 18.6 28.0
150 12.3 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 19.800 ng
RT: 15.075 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:204 Resp: 578512
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 52.8 42.8 64.2

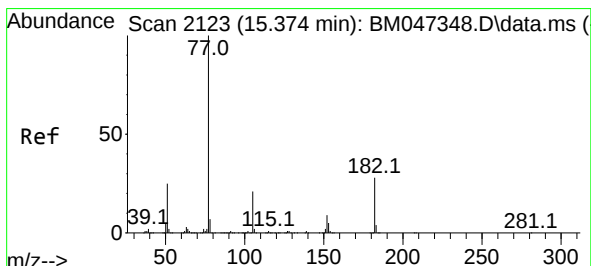
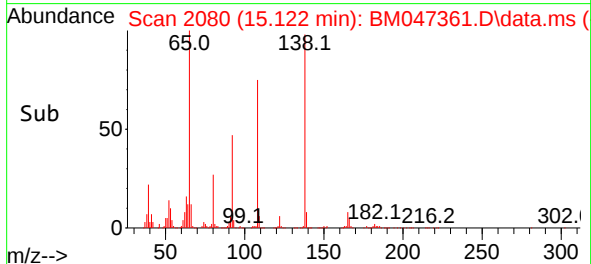
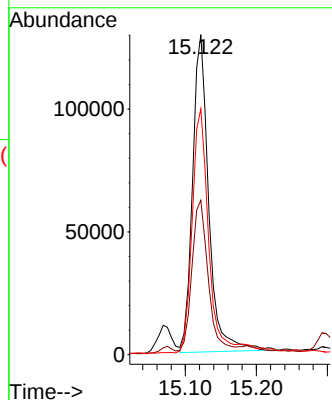
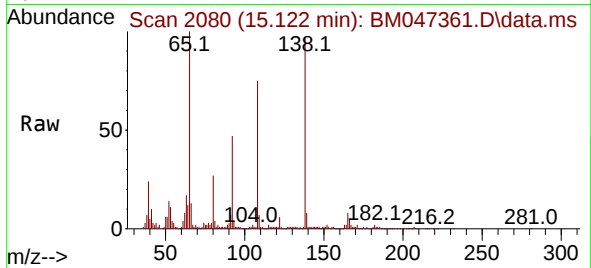




#62
4-Nitroaniline
Concen: 17.159 ng
RT: 15.122 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

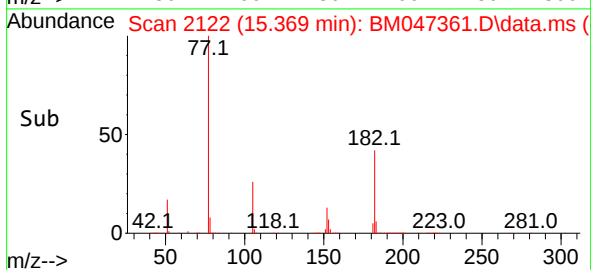
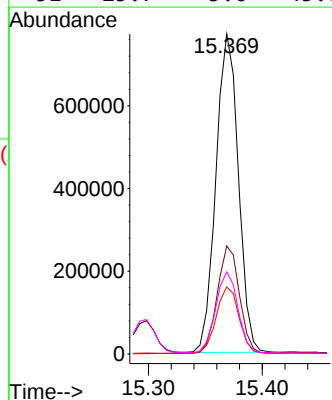
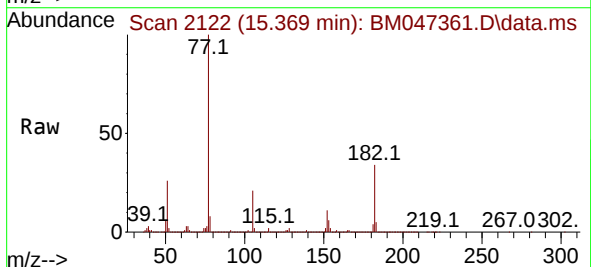
Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

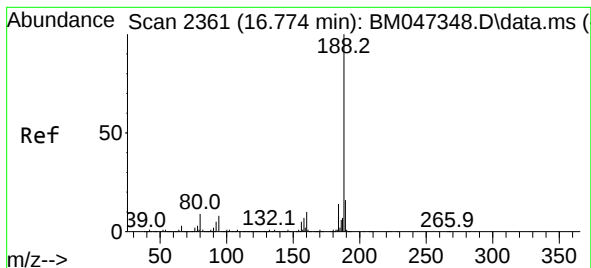
Tgt Ion:138 Resp: 205075
Ion Ratio Lower Upper
138 100
92 48.3 27.9 67.9
108 76.9 58.7 98.7



#63
Azobenzene
Concen: 20.448 ng
RT: 15.369 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion: 77 Resp: 1056256
Ion Ratio Lower Upper
77 100
182 33.7 7.9 47.9
105 20.9 0.6 40.6
51 25.7 5.0 45.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.775 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

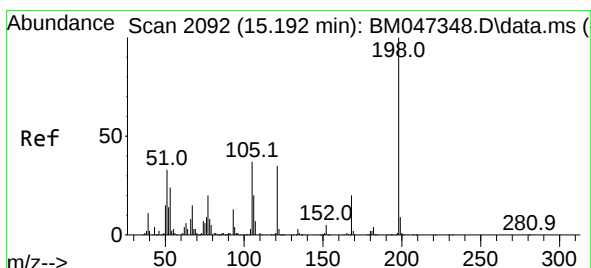
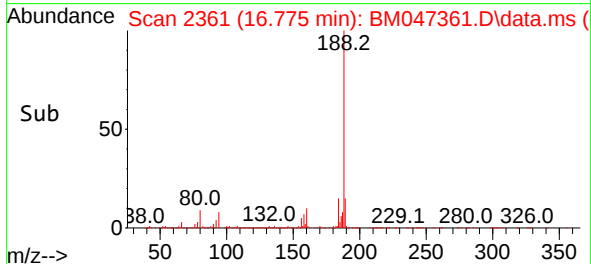
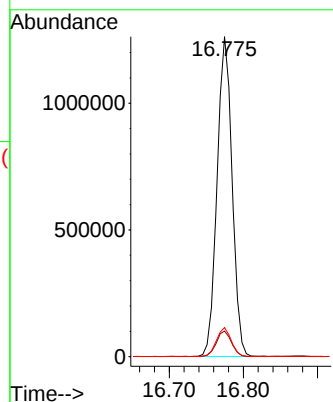
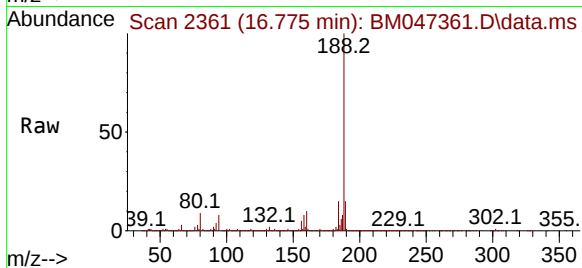
Tgt Ion:188 Resp: 1776554

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 9.1 7.4 11.2



#65

4,6-Dinitro-2-methylphenol

Concen: 8.209 ng

RT: 15.192 min Scan# 2092

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

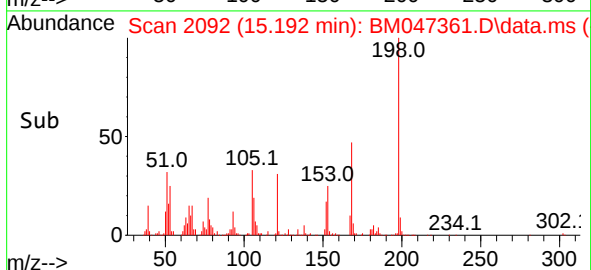
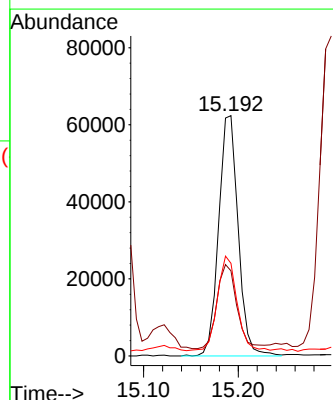
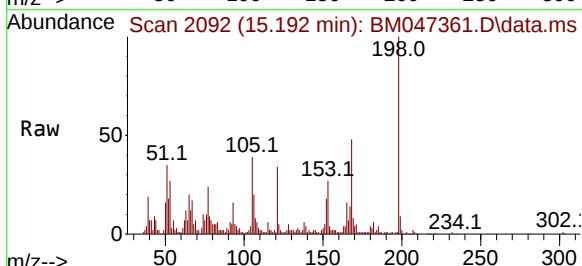
Tgt Ion:198 Resp: 89508

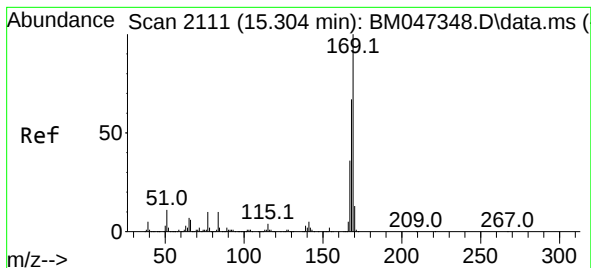
Ion Ratio Lower Upper

198 100

51 35.4 14.1 54.1

105 38.6 17.0 57.0





#66

n-Nitrosodiphenylamine

Concen: 21.205 ng

RT: 15.298 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

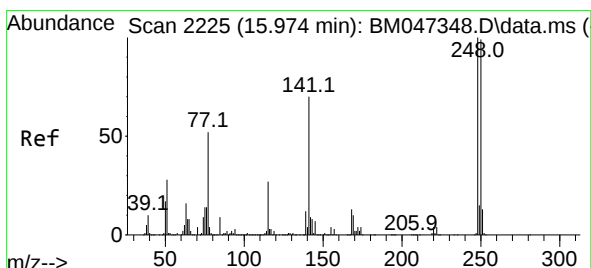
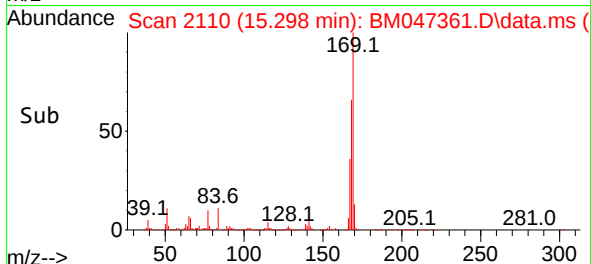
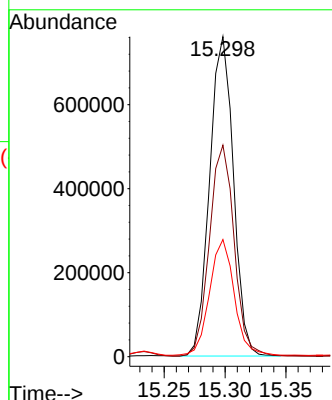
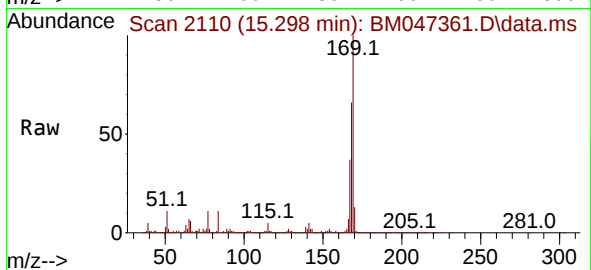
Tgt Ion:169 Resp: 1030809

Ion Ratio Lower Upper

169 100

168 66.1 53.4 80.0

167 36.6 29.0 43.4



#67

4-Bromophenyl-phenylether

Concen: 20.487 ng

RT: 15.975 min Scan# 2225

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

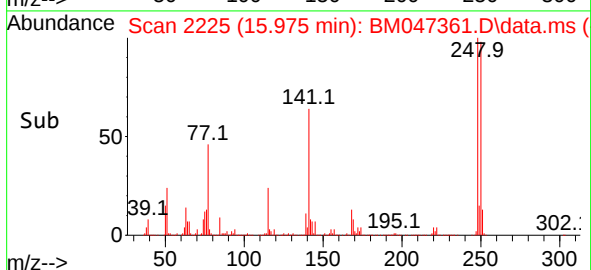
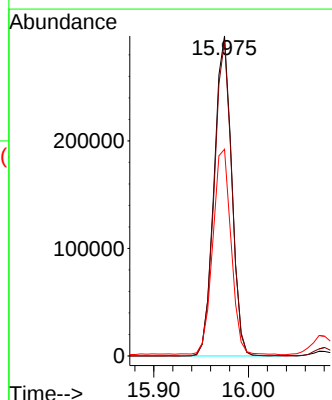
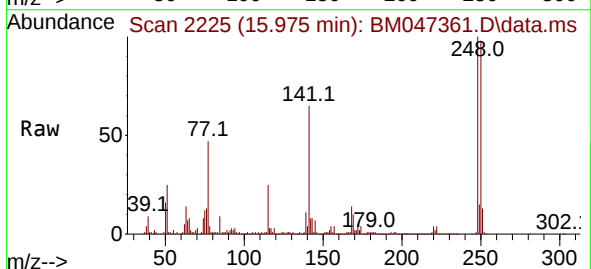
Tgt Ion:248 Resp: 383958

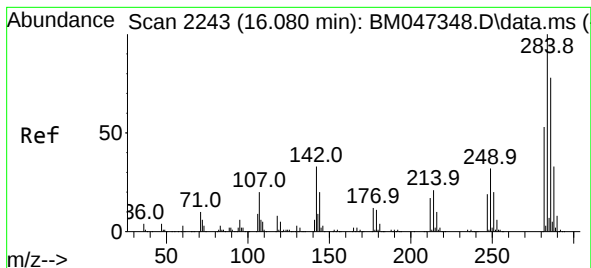
Ion Ratio Lower Upper

248 100

250 98.5 78.8 118.2

141 64.6 55.9 83.9





#68

Hexachlorobenzene

Concen: 20.148 ng

RT: 16.080 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047361.D

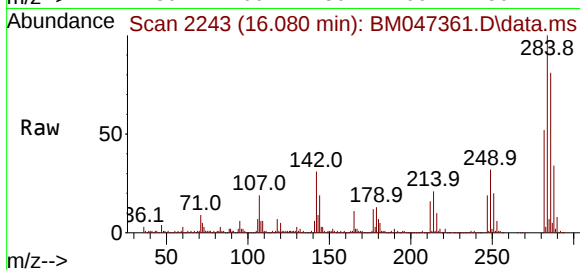
Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD



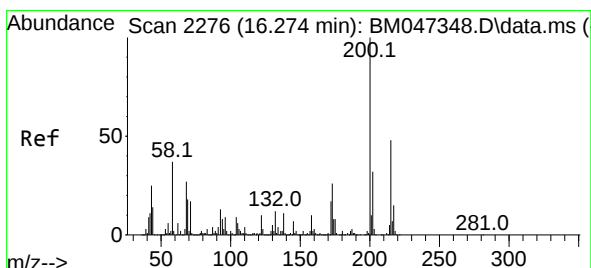
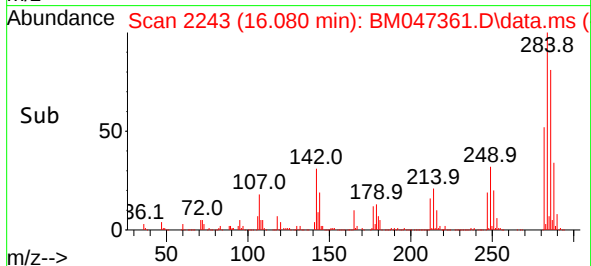
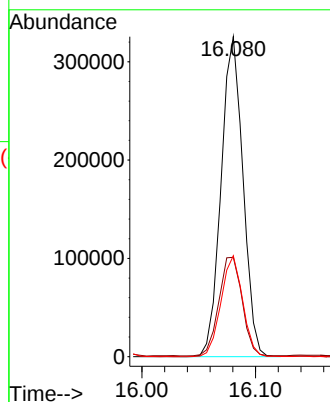
Tgt Ion:284 Resp: 436137

Ion Ratio Lower Upper

284 100

142 31.1 26.5 39.7

249 31.6 25.5 38.3



#69

Atrazine

Concen: 22.340 ng

RT: 16.275 min Scan# 2276

Delta R.T. 0.001 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

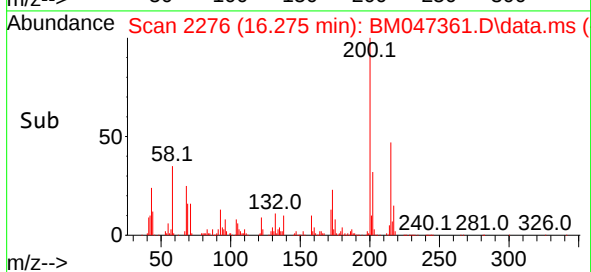
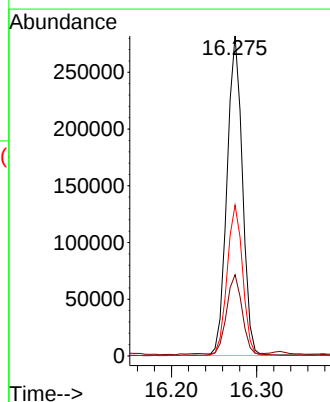
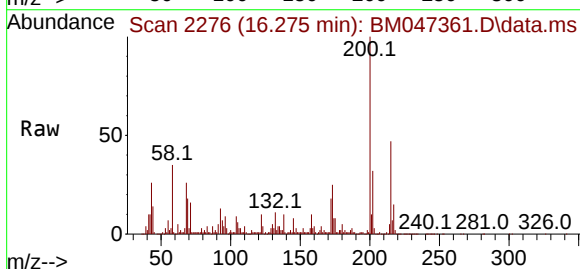
Tgt Ion:200 Resp: 354967

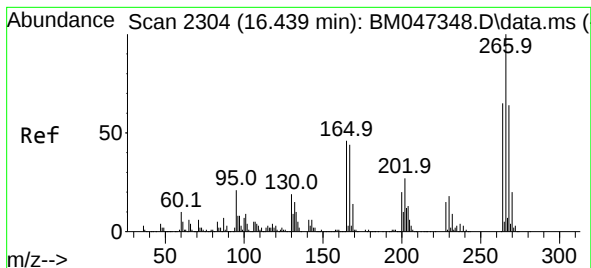
Ion Ratio Lower Upper

200 100

173 25.4 5.8 45.8

215 47.2 28.3 68.3





#70

Pentachlorophenol

Concen: 49.640 ng

RT: 16.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

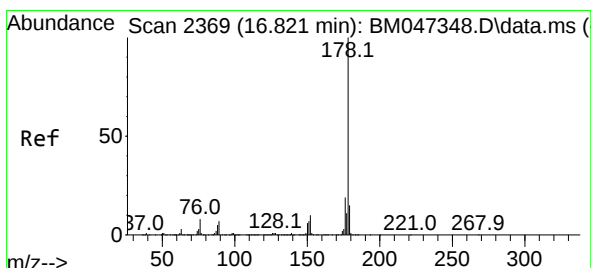
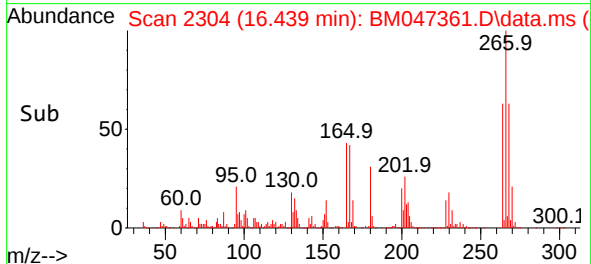
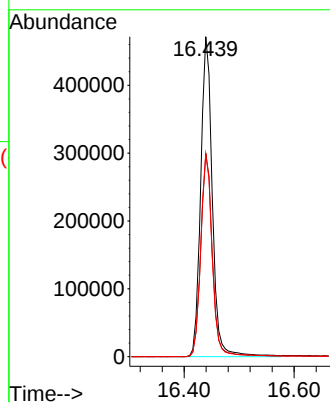
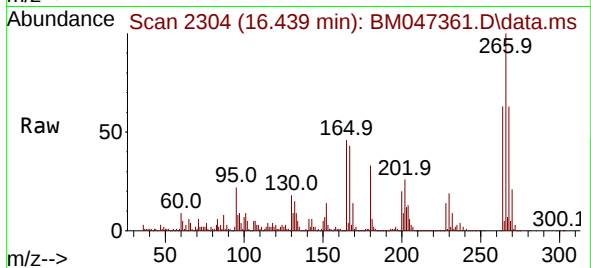
Tgt Ion:266 Resp: 694721

Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

264 63.5 51.9 77.9



#71

Phenanthrene

Concen: 48.319 ng

RT: 16.816 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

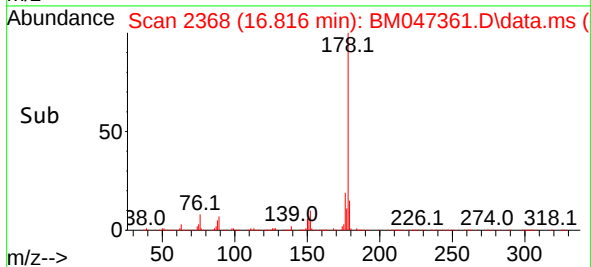
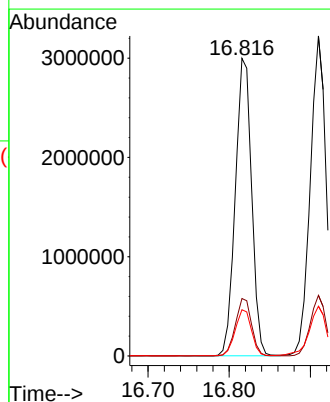
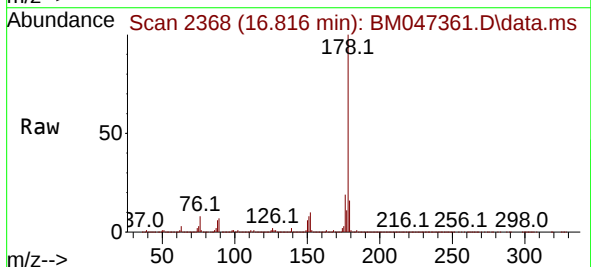
Tgt Ion:178 Resp: 4168851

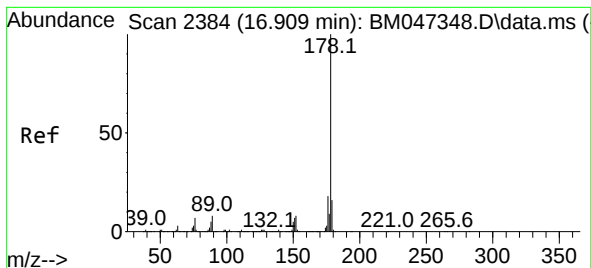
Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 15.5 12.2 18.4





#72

Anthracene

Concen: 51.775 ng

RT: 16.910 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

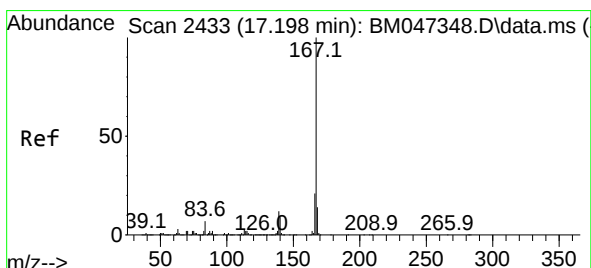
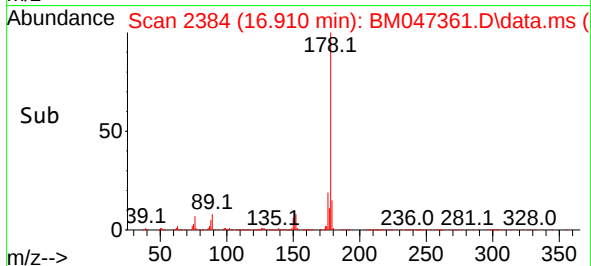
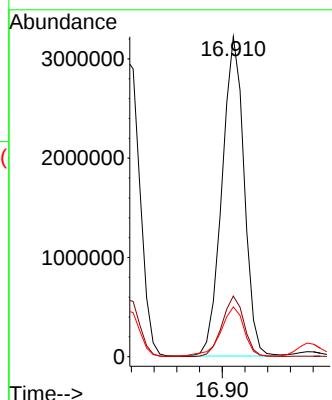
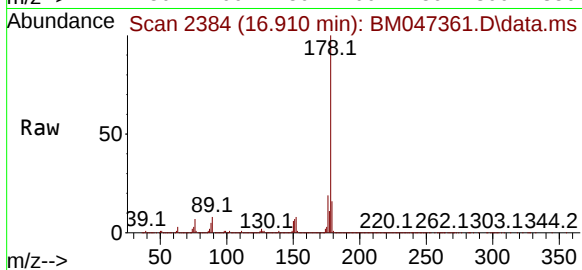
Tgt Ion:178 Resp: 4354622

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

179 15.6 12.6 18.8



#73

Carbazole

Concen: 33.525 ng

RT: 17.192 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

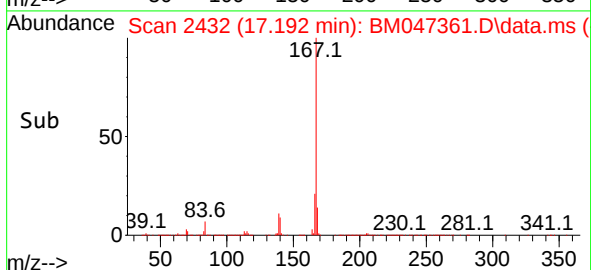
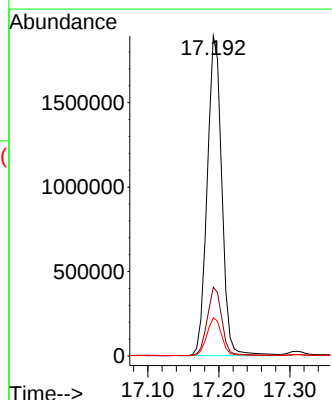
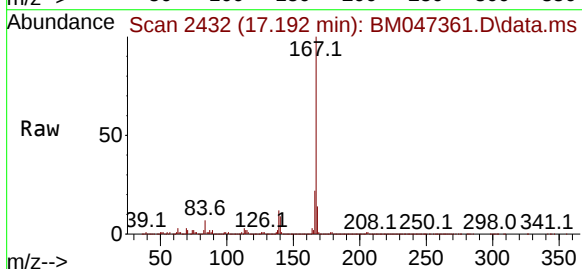
Tgt Ion:167 Resp: 2705780

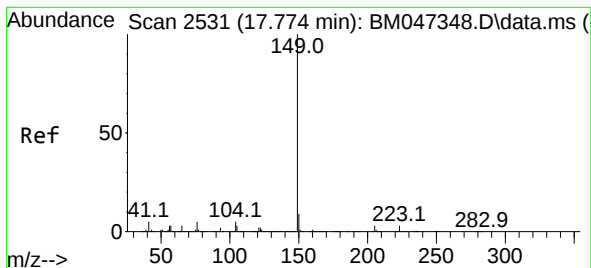
Ion Ratio Lower Upper

167 100

166 21.5 16.9 25.3

139 11.9 9.5 14.3





#74

Di-n-butylphthalate

Concen: 20.455 ng

RT: 17.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

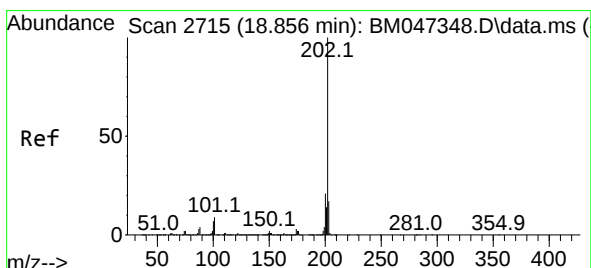
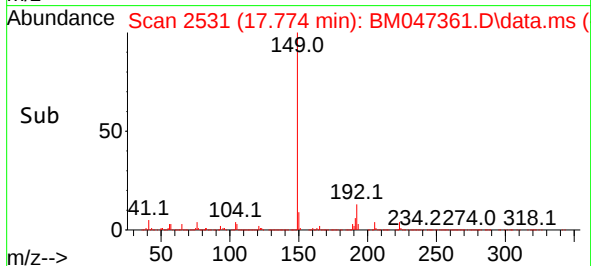
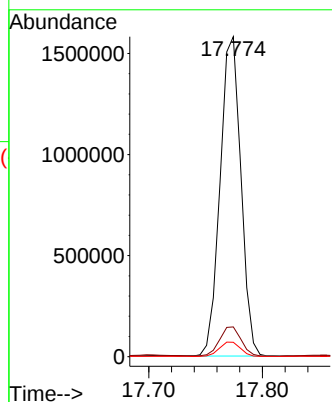
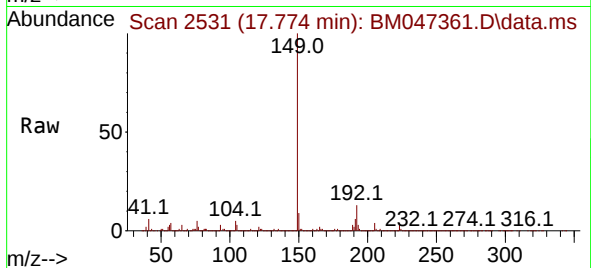
Tgt Ion:149 Resp: 2010302

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.5 3.8 5.6



#75

Fluoranthene

Concen: 105.343 ng

RT: 18.863 min Scan# 2716

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

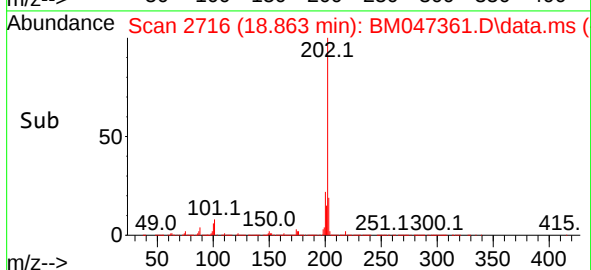
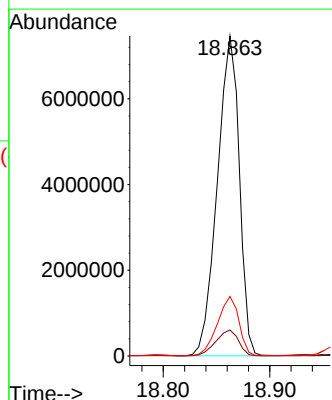
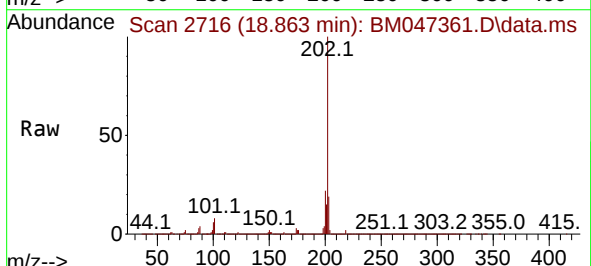
Tgt Ion:202 Resp:10671856

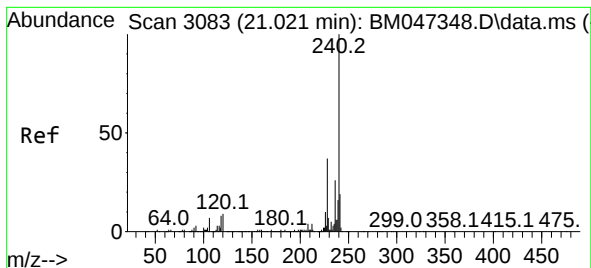
Ion Ratio Lower Upper

202 100

101 8.1 0.0 29.0

203 18.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.027 min Scan# 3083

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

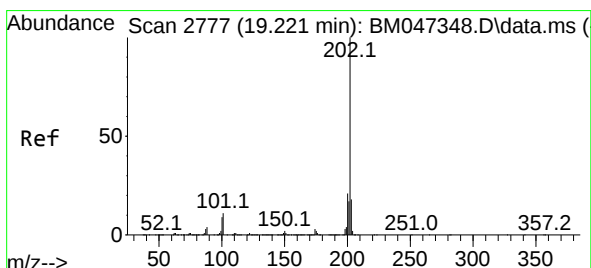
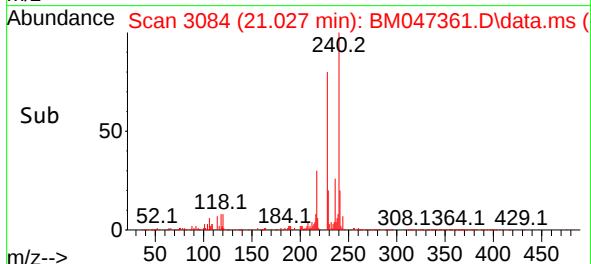
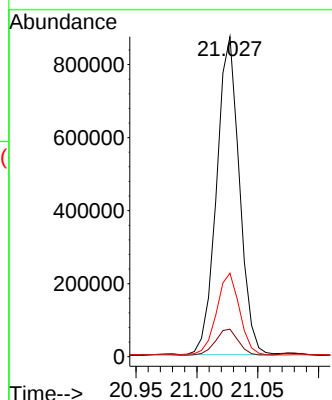
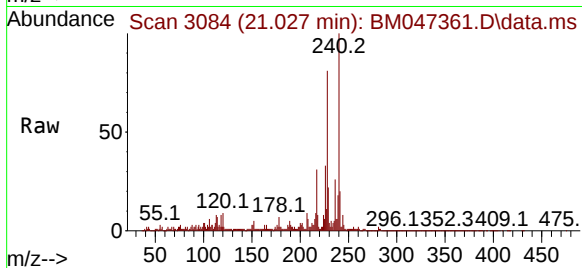
Tgt Ion:240 Resp: 1136290

Ion Ratio Lower Upper

240 100

120 8.6 7.4 11.0

236 26.1 20.8 31.2



#78

Pyrene

Concen: 135.526 ng

RT: 19.233 min Scan# 2779

Delta R.T. 0.012 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

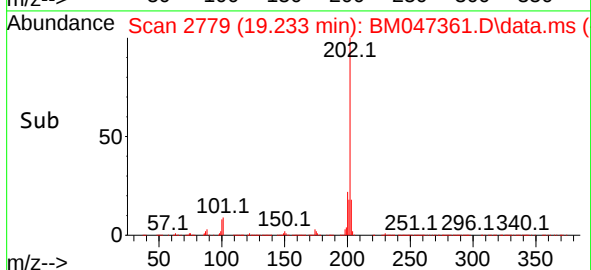
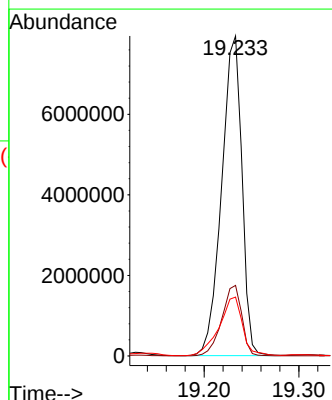
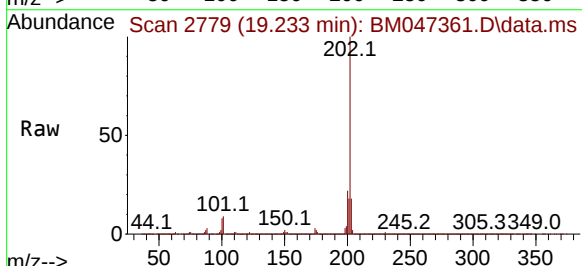
Tgt Ion:202 Resp:11811096

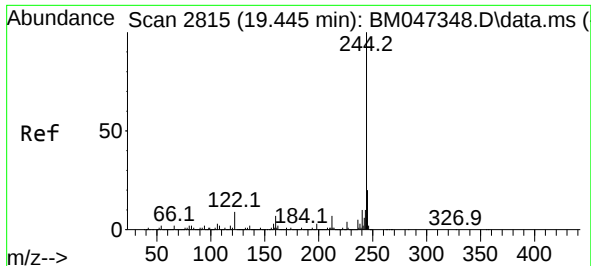
Ion Ratio Lower Upper

202 100

200 22.1 16.7 25.1

203 18.4 14.2 21.4

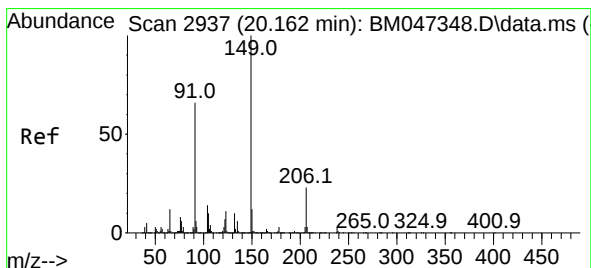
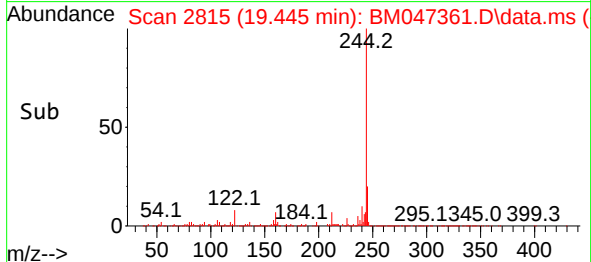
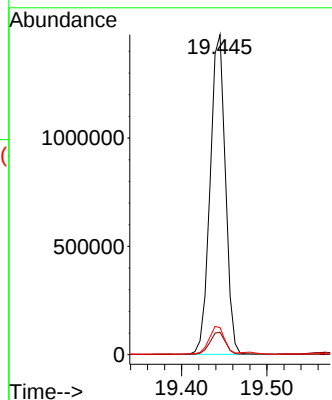
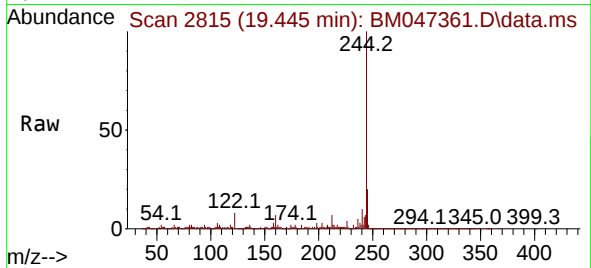




#79
 Terphenyl-d14
 Concen: 28.813 ng
 RT: 19.445 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM047361.D
 Acq: 27 Aug 2024 13:17

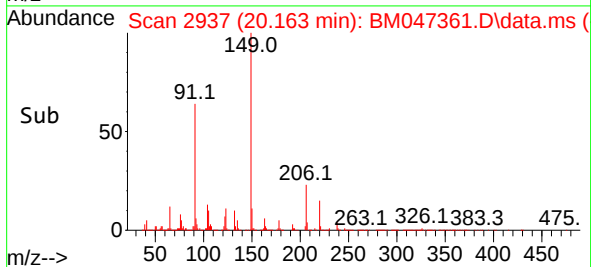
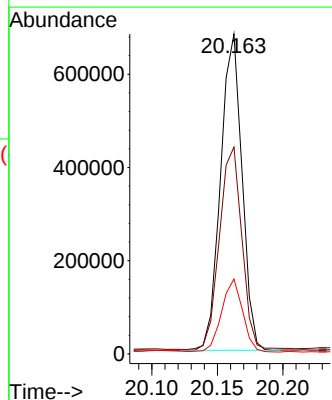
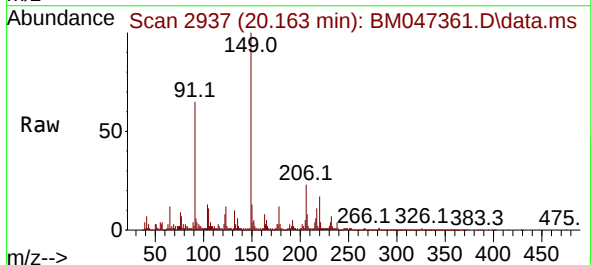
Instrument :
 BNA_M
 ClientSampleId :
 MOO-SOIL-PILEMSD

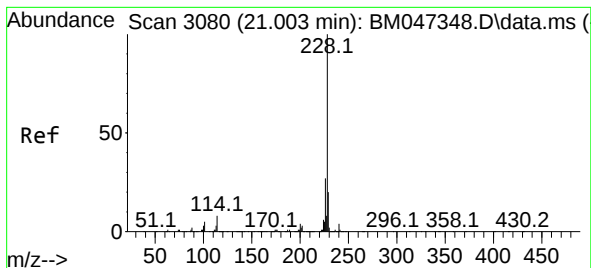
Tgt Ion:244 Resp: 1839344
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.4 7.0 10.4



#80
 Butylbenzylphthalate
 Concen: 22.529 ng
 RT: 20.163 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: BM047361.D
 Acq: 27 Aug 2024 13:17

Tgt Ion:149 Resp: 768314
 Ion Ratio Lower Upper
 149 100
 91 64.6 52.6 79.0
 206 23.4 18.2 27.2





#81

Benzo(a)anthracene

Concen: 75.018 ng

RT: 21.010 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

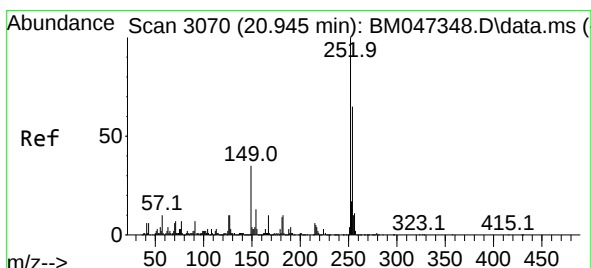
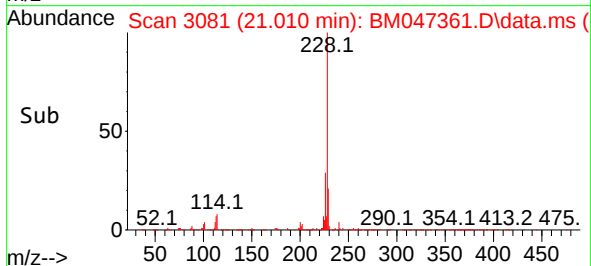
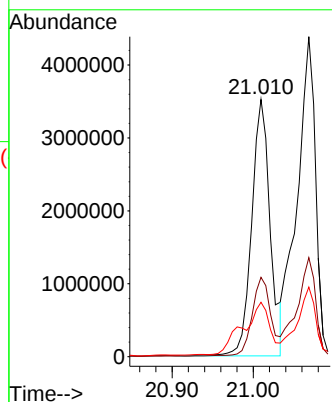
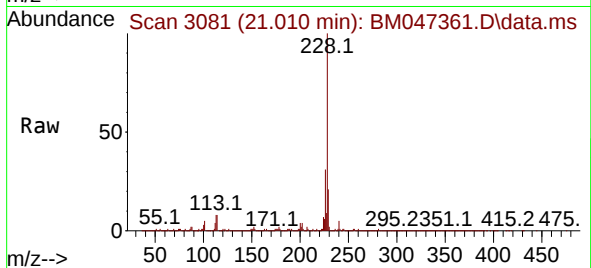
Tgt Ion:228 Resp: 5558928

Ion Ratio Lower Upper

228 100

226 30.9 21.4 32.0

229 21.2 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 3.872 ng

RT: 20.951 min Scan# 3071

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

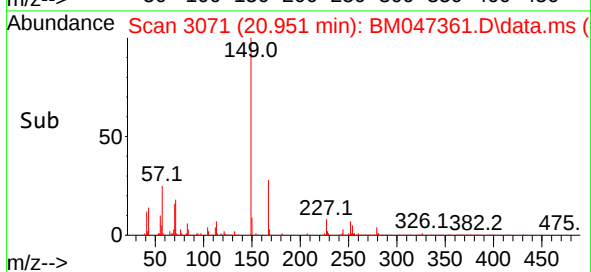
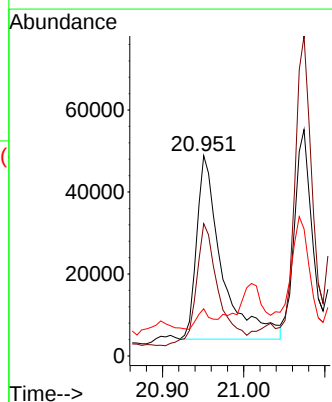
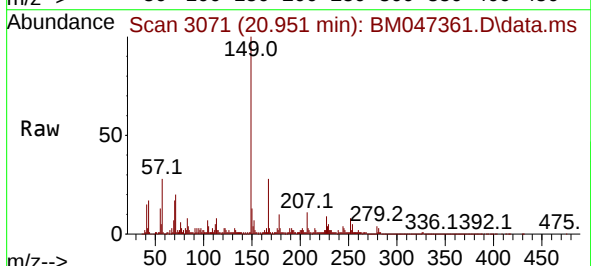
Tgt Ion:252 Resp: 96524

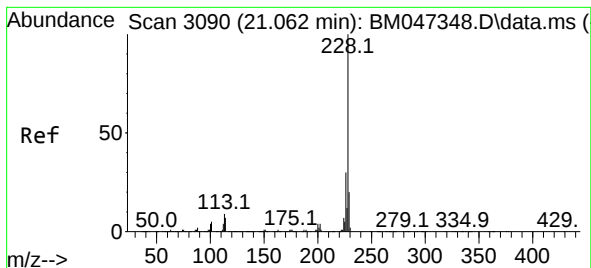
Ion Ratio Lower Upper

252 100

254 66.1 52.1 78.1

126 23.5 7.9 11.9#





#83

Chrysene

Concen: 99.682 ng

RT: 21.068 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

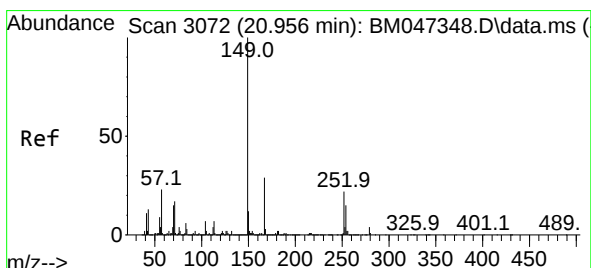
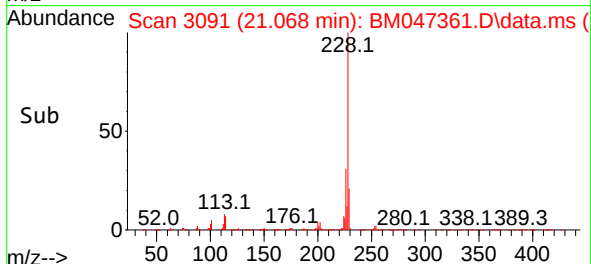
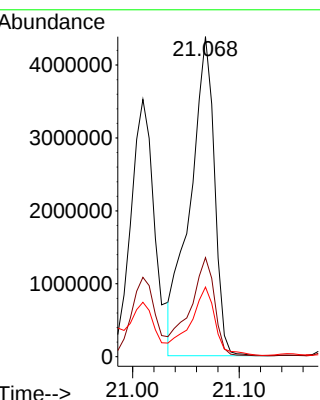
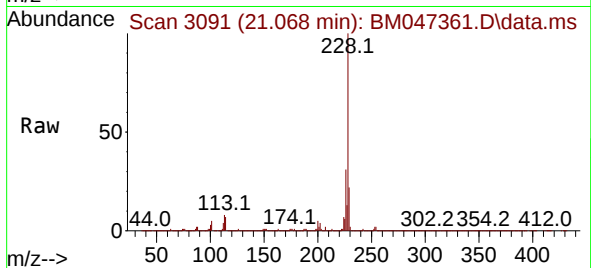
Tgt Ion:228 Resp: 6948295

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

229 21.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 23.101 ng

RT: 20.957 min Scan# 3072

Delta R.T. 0.000 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

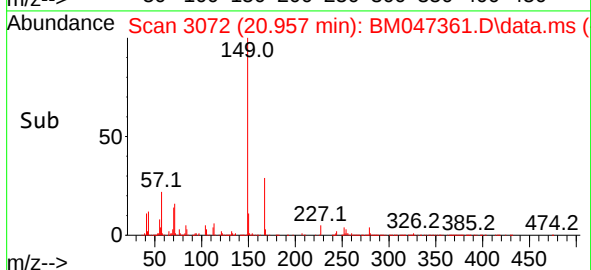
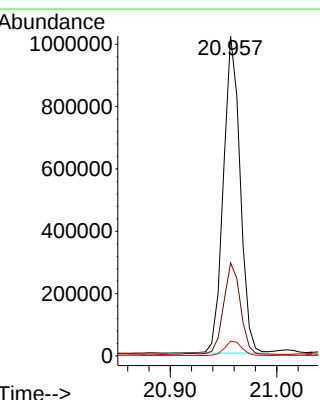
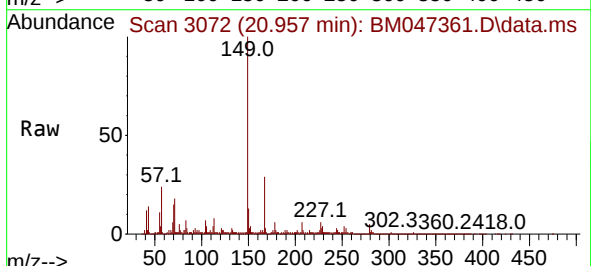
Tgt Ion:149 Resp: 1113483

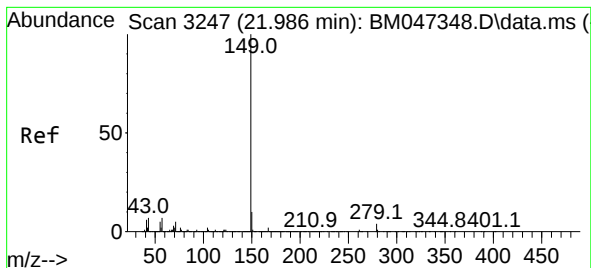
Ion Ratio Lower Upper

149 100

167 29.1 23.1 34.7

279 4.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 21.634 ng

RT: 21.992 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

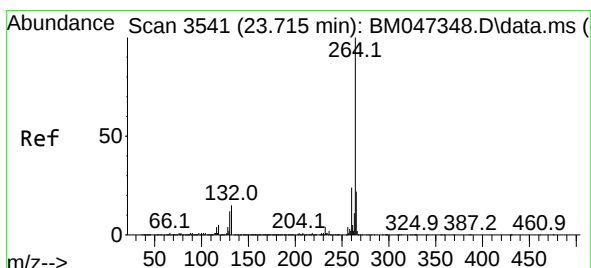
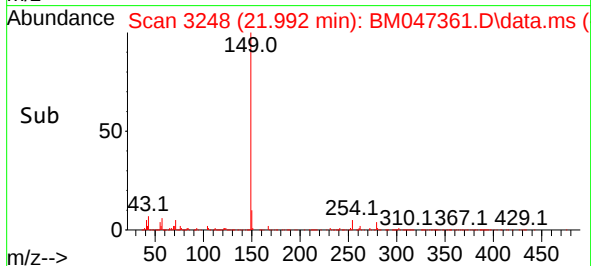
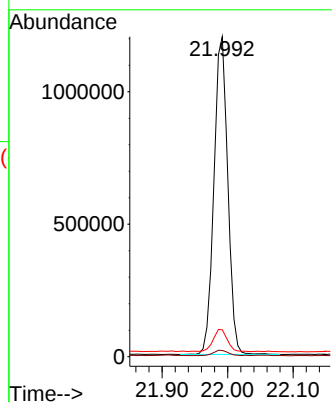
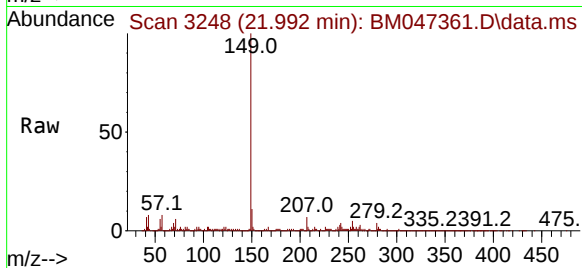
Tgt Ion:149 Resp: 1755146

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 7.0 6.1 9.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3542

Delta R.T. 0.006 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

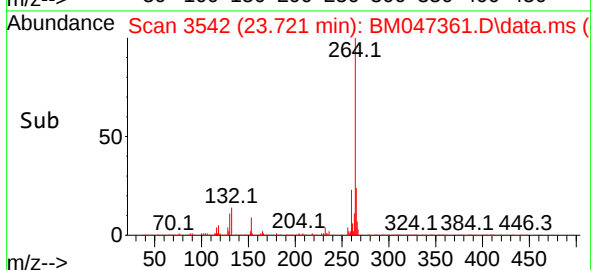
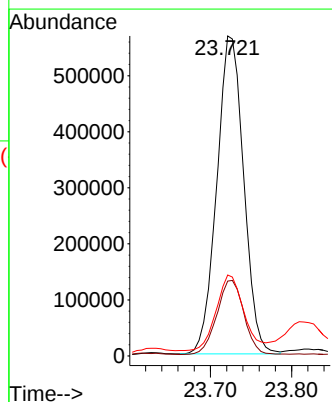
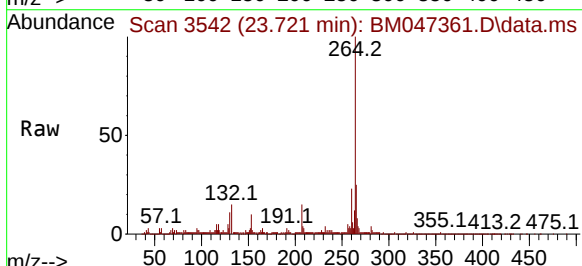
Tgt Ion:264 Resp: 1306738

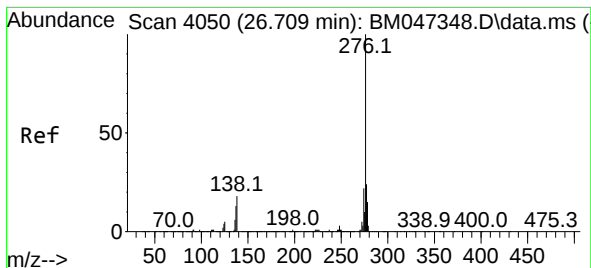
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 25.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.975 ng

RT: 26.744 min Scan# 4056

Delta R.T. 0.036 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

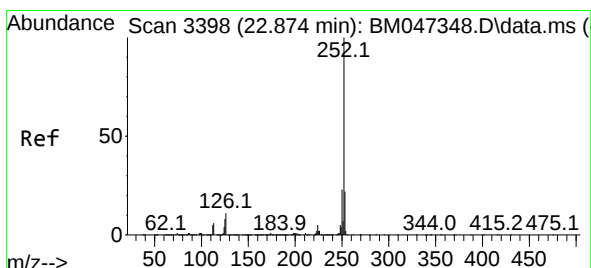
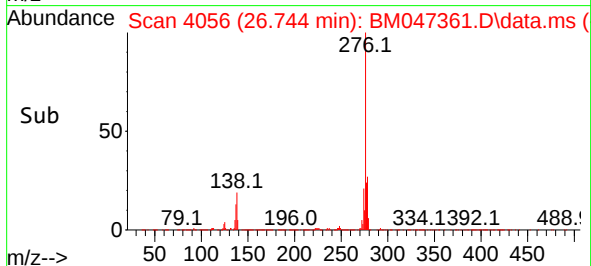
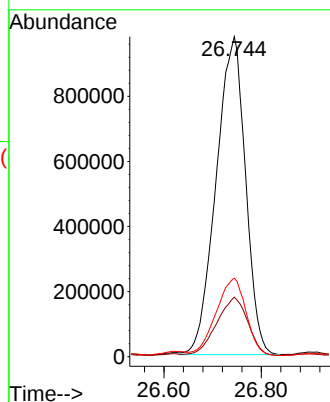
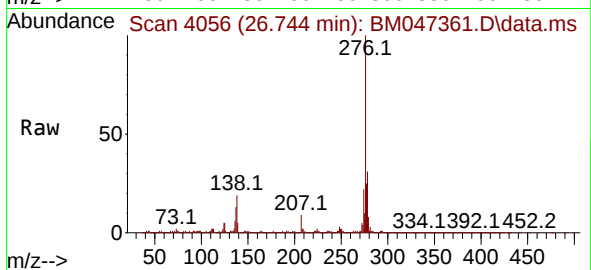
Tgt Ion:276 Resp: 4088043

Ion Ratio Lower Upper

276 100

138 19.4 17.7 26.5

277 24.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 122.722 ng

RT: 22.898 min Scan# 3402

Delta R.T. 0.024 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

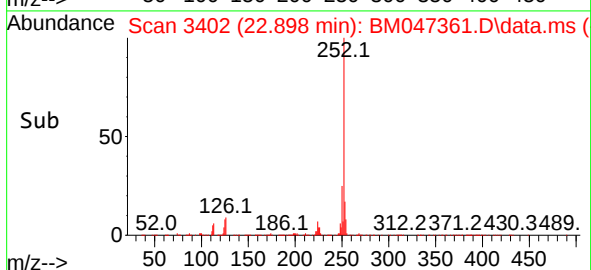
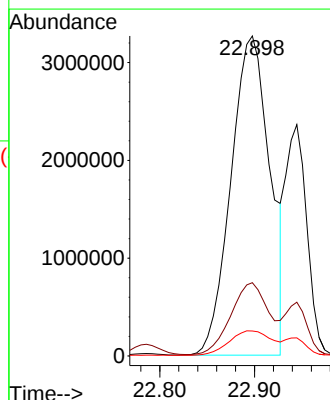
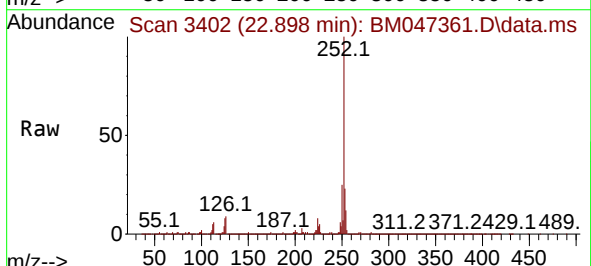
Tgt Ion:252 Resp: 9356072

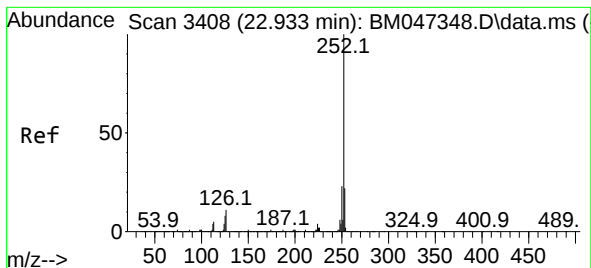
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 7.8 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 50.348 ng

RT: 22.945 min Scan# 3408

Delta R.T. 0.012 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

Instrument :

BNA_M

ClientSampleId :

MOO-SOIL-PILEMSD

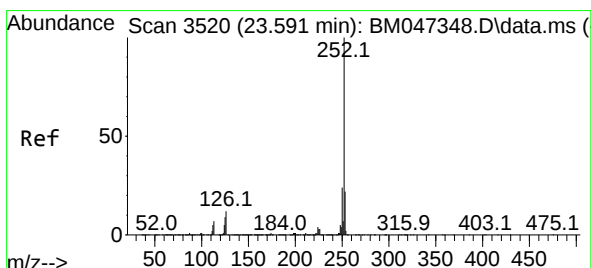
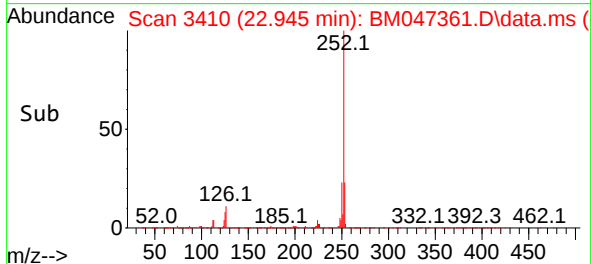
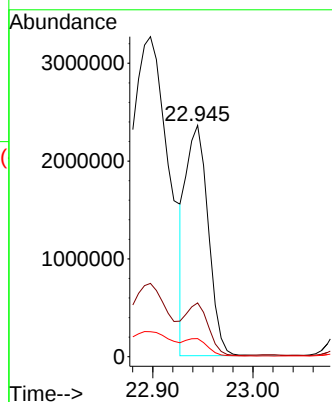
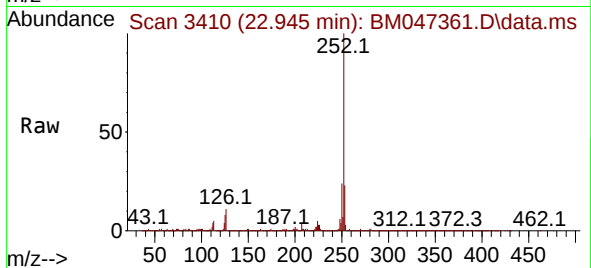
Tgt Ion:252 Resp: 3638700

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 7.8 6.6 9.8



#90

Benzo(a)pyrene

Concen: 65.098 ng

RT: 23.604 min Scan# 3522

Delta R.T. 0.012 min

Lab File: BM047361.D

Acq: 27 Aug 2024 13:17

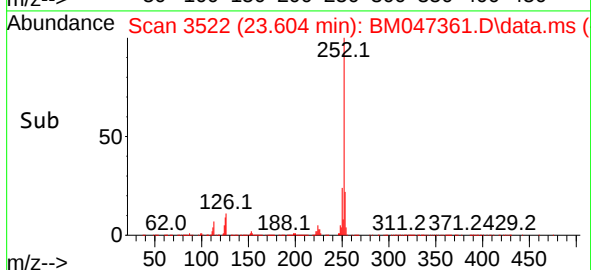
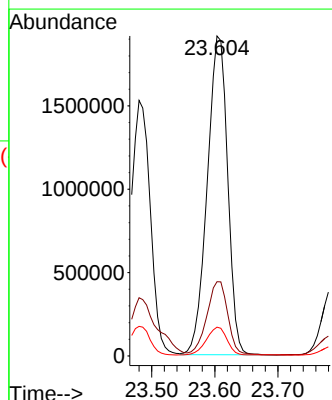
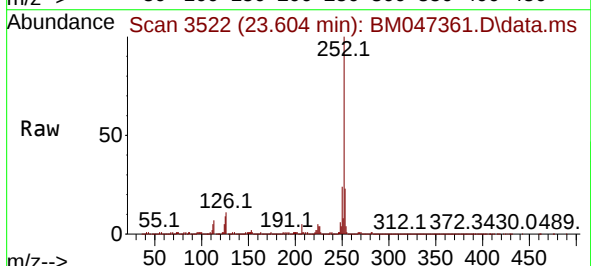
Tgt Ion:252 Resp: 4291868

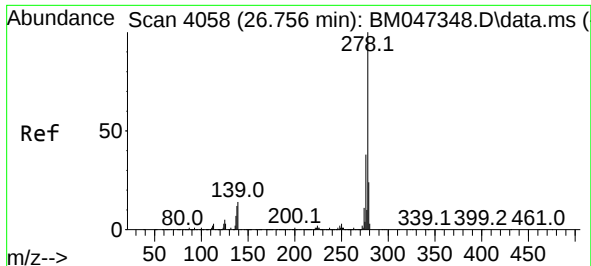
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 9.0 7.4 11.2

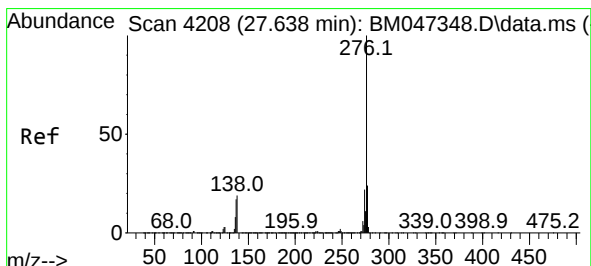
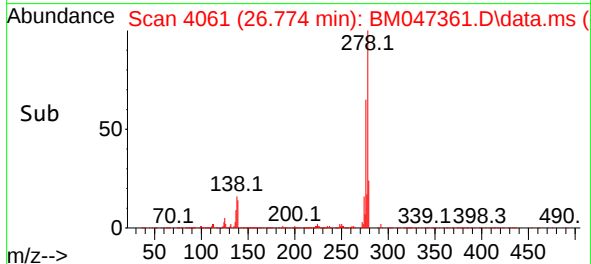
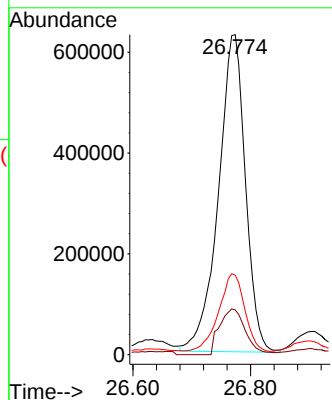
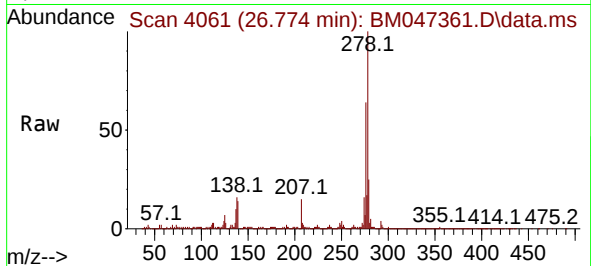




#91
Dibenzo(a,h)anthracene
Concen: 30.328 ng
RT: 26.774 min Scan# 4058
Delta R.T. 0.018 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Instrument :
BNA_M
ClientSampleId :
MOO-SOIL-PILEMSD

Tgt Ion:278 Resp: 2009841
Ion Ratio Lower Upper
278 100
139 14.0 11.1 16.7
279 24.9 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 49.023 ng
RT: 27.674 min Scan# 4214
Delta R.T. 0.036 min
Lab File: BM047361.D
Acq: 27 Aug 2024 13:17

Tgt Ion:276 Resp: 3377425
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 18.2 15.0 22.6

