

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111122\
 Data File : BM037465.D
 Acq On : 11 Nov 2022 13:51
 Operator : CG/JU
 Sample : N5529-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NMS-SOIL-1108

Quant Time: Nov 11 22:55:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 11 22:49:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	280240	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1076959	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	639893	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1202347	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1014795	20.000	ng	0.00
86) Perylene-d12	23.715	264	1052595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	2280745	140.605	ng	0.00
7) Phenol-d6	6.993	99	2612437	118.664	ng	0.00
23) Nitrobenzene-d5	8.981	82	1966979	92.148	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	1408809	186.822	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	4664731	96.860	ng	0.00
79) Terphenyl-d14	19.827	244	6507522	114.996	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.264	88	465	0.070	ng	# 1
3) Pyridine	3.652	79	371	0.019	ng	# 1
4) n-Nitrosodimethylamine	3.569	42	2765	0.320	ng	# 1
6) Aniline	7.152	93	489	0.018	ng	# 1
8) 2-Chlorophenol	7.369	128	77	0.004	ng	# 36
9) Benzaldehyde	6.928	77	270	0.024	ng	# 27
10) Phenol	7.022	94	639	0.026	ng	# 1
11) bis(2-Chloroethyl)ether	7.234	93	388	0.020	ng	# 43
15) Benzyl Alcohol	8.069	79	452	0.029	ng	# 39
16) 2,2'-oxybis(1-Chloropr...	8.357	45	783	0.028	ng	74
17) 2-Methylphenol	8.263	107	60	0.004	ng	# 1
18) Hexachloroethane	8.869	117	110	0.014	ng	# 3
19) n-Nitroso-di-n-propyla...	8.634	70	203	0.087	ng	# 1
20) 3+4-Methylphenols	8.604	107	69	0.003	ng	# 1
22) Acetophenone	8.646	105	1698	0.061	ng	# 1
24) Nitrobenzene	8.975	77	6309	0.292	ng	# 41
25) Isophorone	9.510	82	267	0.007	ng	# 52
28) bis(2-Chloroethoxy)met...	10.034	93	202	0.009	ng	# 1
31) Naphthalene	10.657	128	31976	0.524	ng	99
33) 4-Chloroaniline	10.657	127	4591	0.189	ng	# 39
35) Caprolactam	11.875	113	70	0.014	ng	# 53
36) 4-Chloro-3-methylphenol	11.951	107	118	0.007	ng	# 17
37) 2-Methylnaphthalene	12.281	142	4552	0.110	ng	95
38) 1-Methylnaphthalene	12.492	142	4713	0.117	ng	# 97
46) 1,1'-Biphenyl	13.298	154	971	0.019	ng	87
48) 2-Nitroaniline	13.534	65	277	0.023	ng	# 4
49) Acenaphthylene	14.175	152	1193	0.019	ng	# 91
50) Dimethylphthalate	13.922	163	25400	0.520	ng	# 98
51) 2,6-Dinitrotoluene	13.992	165	56	0.005	ng	# 22
52) Acenaphthene	14.516	154	770	0.020	ng	83
53) 3-Nitroaniline	14.445	138	56	0.005	ng	# 1
55) Dibenzofuran	14.857	168	933	0.015	ng	# 64
56) 4-Nitrophenol	14.857	139	275	0.030	ng	# 48
57) 2,4-Dinitrotoluene	14.839	165	53	0.004	ng	# 2
58) Fluorene	15.504	166	1330	0.026	ng	# 91
60) Diethylphthalate	15.275	149	4570	0.096	ng	# 93

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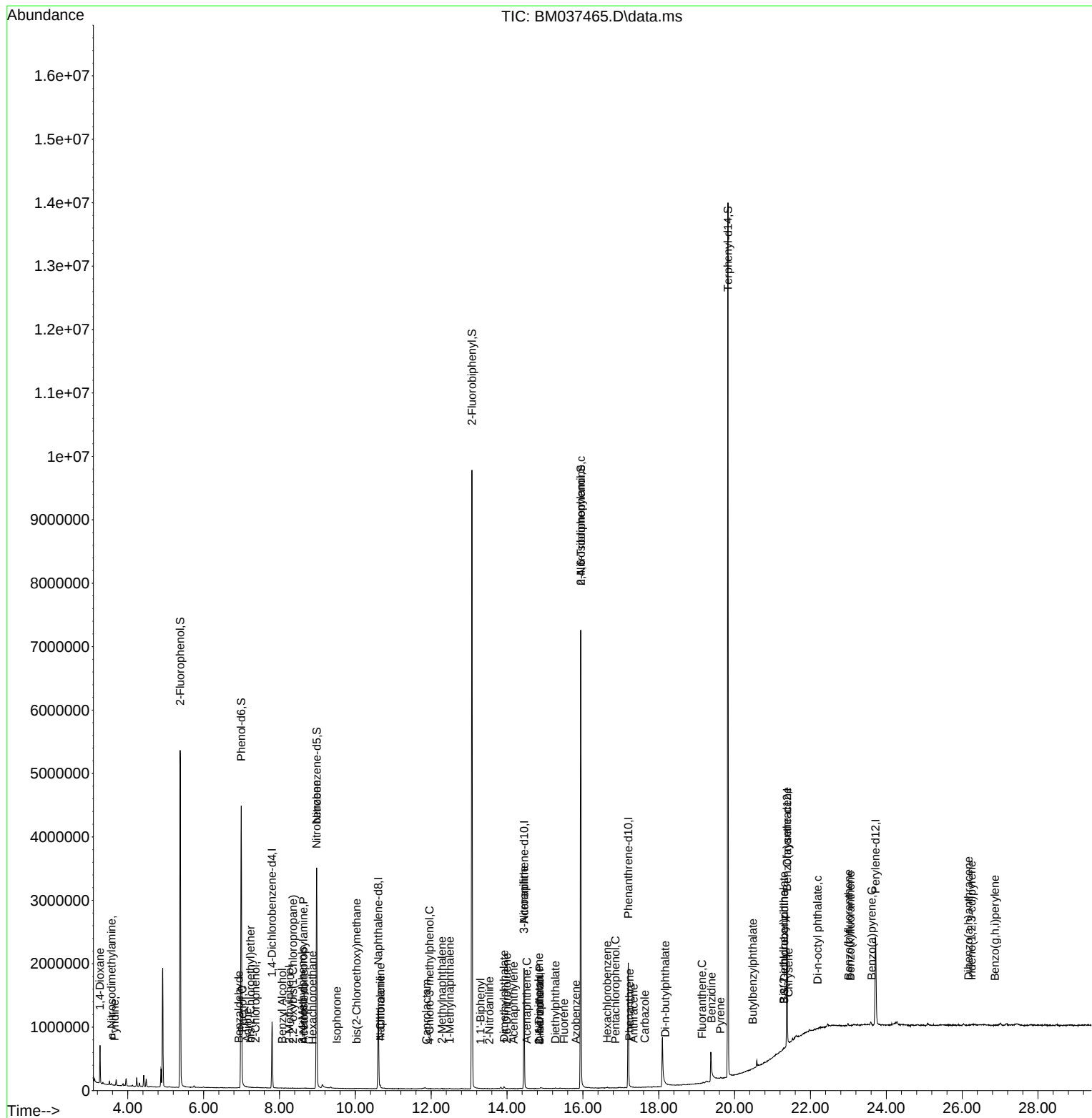
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) Azobenzene	15.816	77	499	0.011	ng	# 42
66) n-Nitrosodiphenylamine	15.945	169	40697	1.001	ng	# 43
68) Hexachlorobenzene	16.639	284	57	0.003	ng	# 42
70) Pentachlorophenol	16.857	266	61	0.006	ng	# 19
71) Phenanthrene	17.233	178	3698	0.050	ng	# 86
72) Anthracene	17.333	178	979	0.014	ng	# 56
73) Carbazole	17.633	167	1302	0.020	ng	# 59
74) Di-n-butylphthalate	18.169	149	10360	0.145	ng	# 92
75) Fluoranthene	19.139	202	143	0.002	ng	# 63
77) Benzidine	19.392	184	54	0.004	ng	# 1
78) Pyrene	19.621	202	1717	0.022	ng	# 58
80) Butylbenzylphthalate	20.480	149	484	0.017	ng	# 92
81) Benzo(a)anthracene	21.386	228	3438	0.048	ng	# 81
82) 3,3'-Dichlorobenzidine	21.304	252	139	0.007	ng	# 48
83) Chrysene	21.421	228	967	0.014	ng	# 52
84) Bis(2-ethylhexyl)phtha...	21.292	149	5682	0.152	ng	# 96
85) Di-n-octyl phthalate	22.186	149	790	0.013	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.250	276	601	0.007	ng	# 93
88) Benzo(b)fluoranthene	23.003	252	522	0.007	ng	# 1
89) Benzo(k)fluoranthene	23.056	252	1187	0.016	ng	# 1
90) Benzo(a)pyrene	23.615	252	972	0.016	ng	# 1
91) Dibenzo(a,h)anthracene	26.168	278	294	0.004	ng	# 1
92) Benzo(g,h,i)perylene	26.862	276	707	0.010	ng	# 1

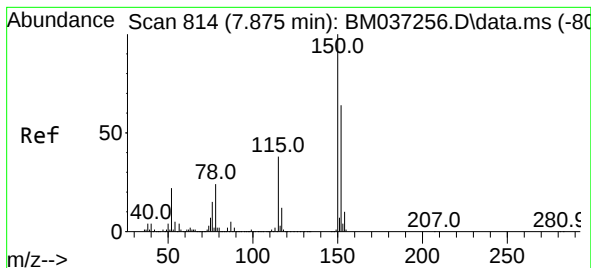
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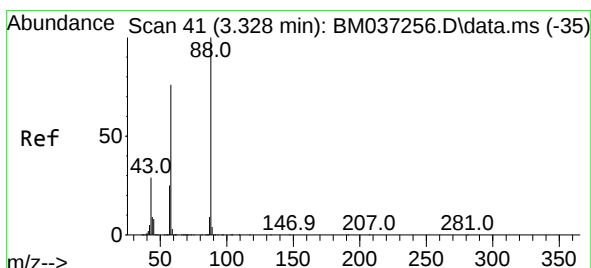
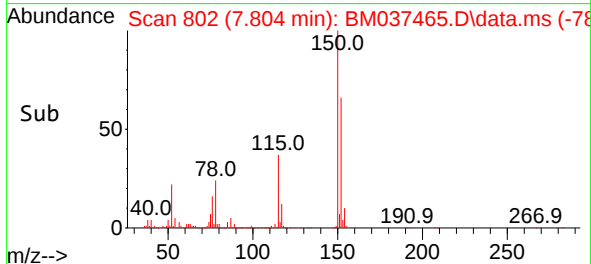
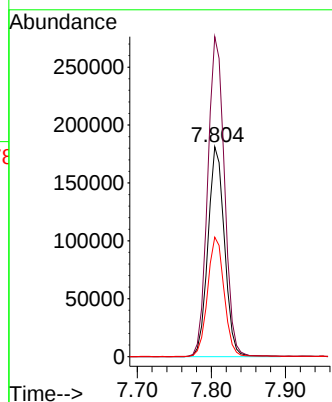
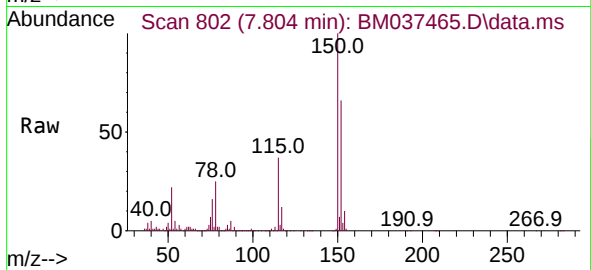




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM037465.D
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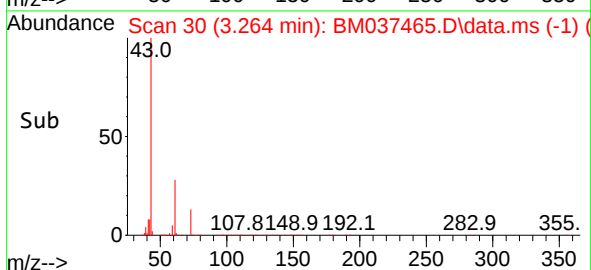
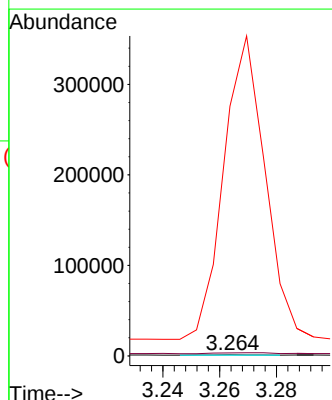
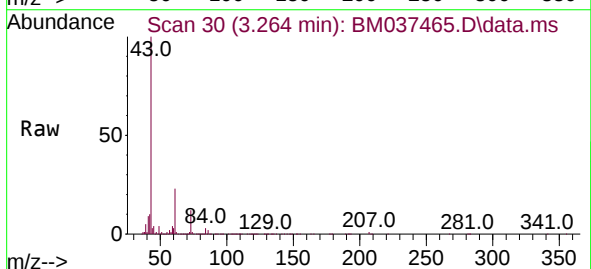
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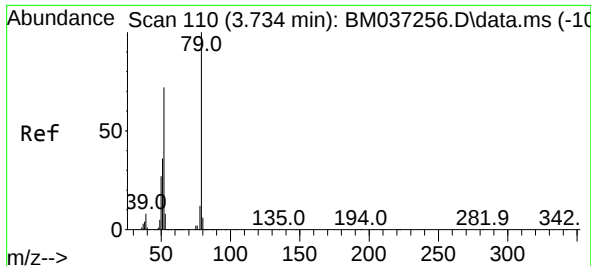
Tgt Ion:152 Resp: 280240
Ion Ratio Lower Upper
152 100
150 152.5 124.8 187.2
115 56.9 47.0 70.4



#2
1,4-Dioxane
Concen: 0.070 ng
RT: 3.264 min Scan# 30
Delta R.T. 0.012 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 88 Resp: 465
Ion Ratio Lower Upper
88 100
58 362.2 63.5 95.3#
43 74460.9 24.2 36.4#

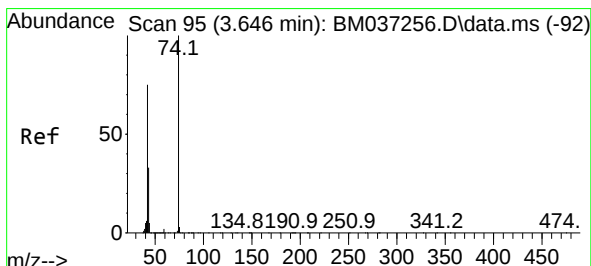
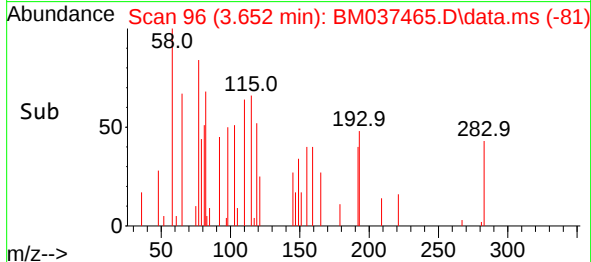
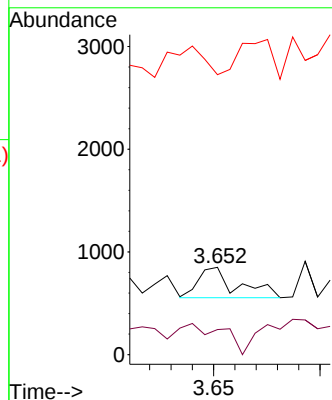
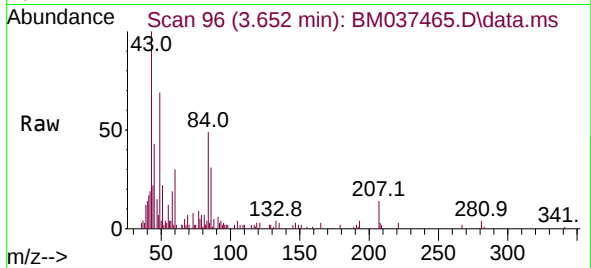




#3
Pyridine
Concen: 0.019 ng
RT: 3.652 min Scan# 90
Delta R.T. -0.011 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

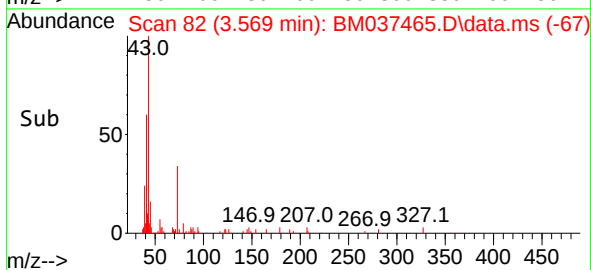
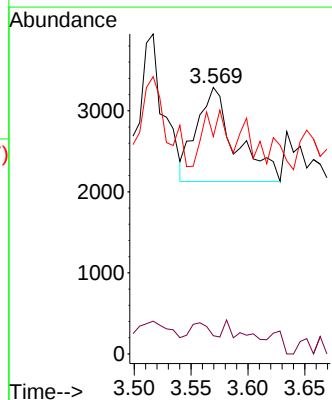
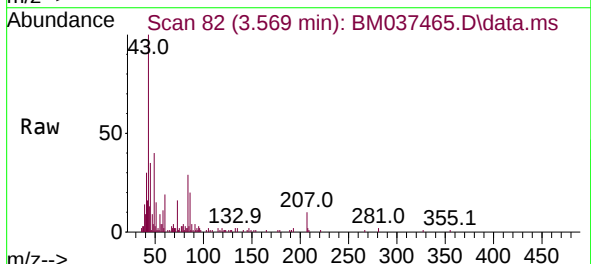
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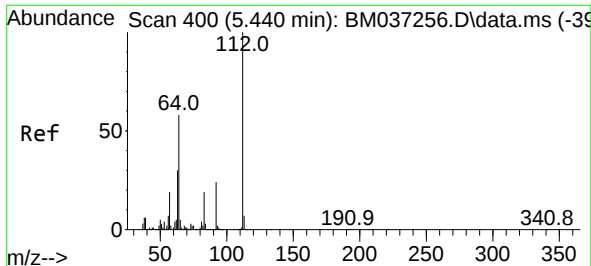
Tgt Ion: 79 Resp: 371
Ion Ratio Lower Upper
79 100
52 28.7 57.8 86.6#
51 320.7 29.0 43.6#



#4
n-Nitrosodimethylamine
Concen: 0.320 ng
RT: 3.569 min Scan# 82
Delta R.T. -0.011 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 42 Resp: 2765
Ion Ratio Lower Upper
42 100
74 6.8 106.2 159.2#
44 81.6 5.4 8.0#

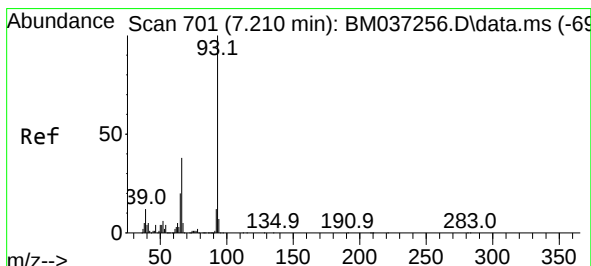
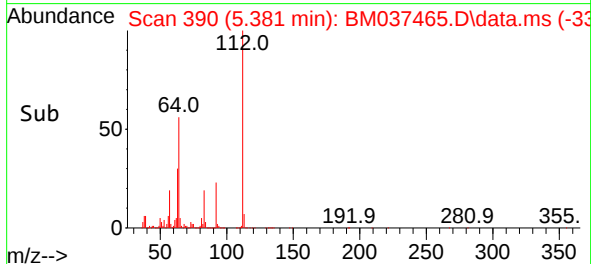
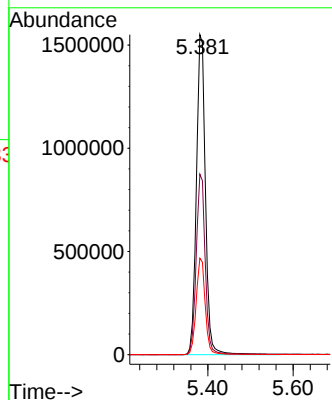
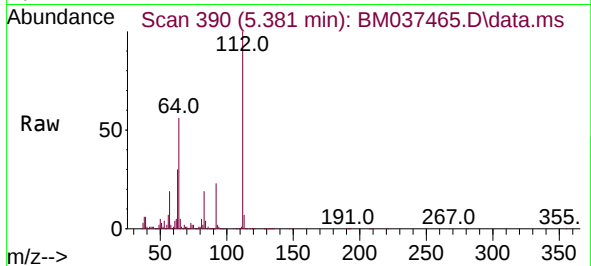




#5
2-Fluorophenol
Concen: 140.605 ng
RT: 5.381 min Scan# 391
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

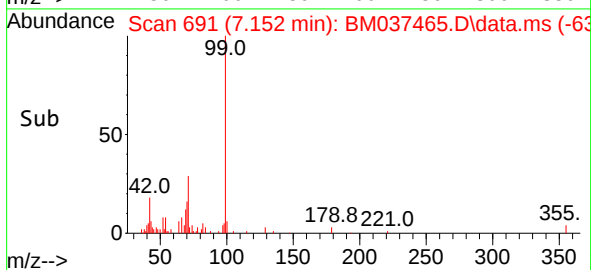
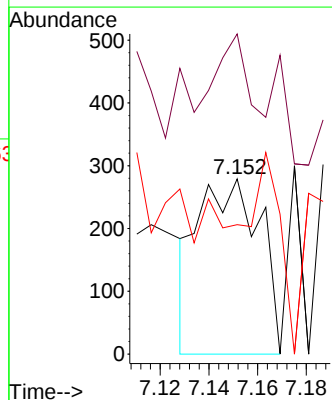
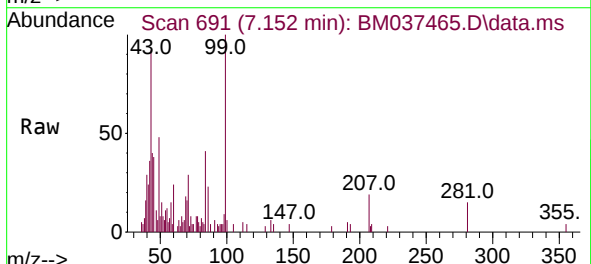
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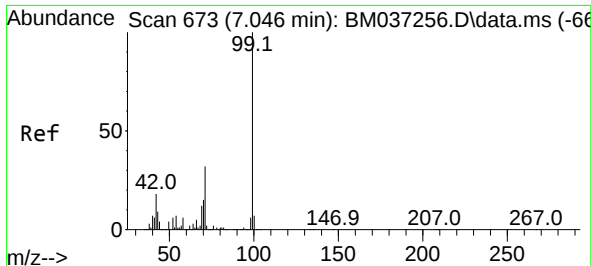
Tgt Ion:112 Resp: 2280745
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 30.1 24.4 36.6



#6
Aniline
Concen: 0.018 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 93 Resp: 489
Ion Ratio Lower Upper
93 100
66 182.8 30.4 45.6#
65 73.8 16.2 24.2#

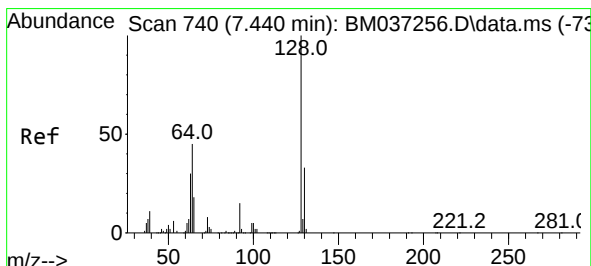
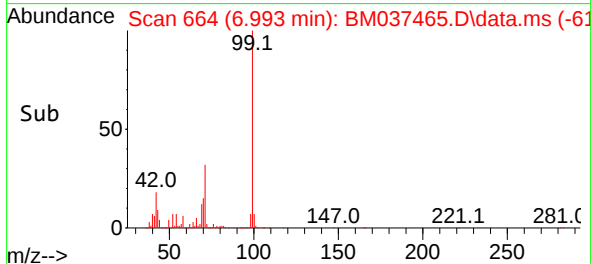
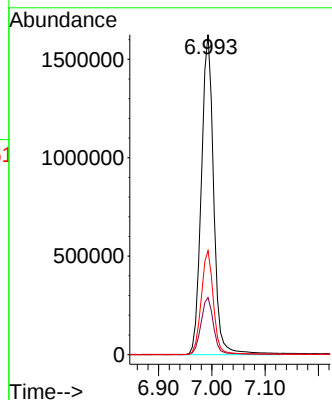
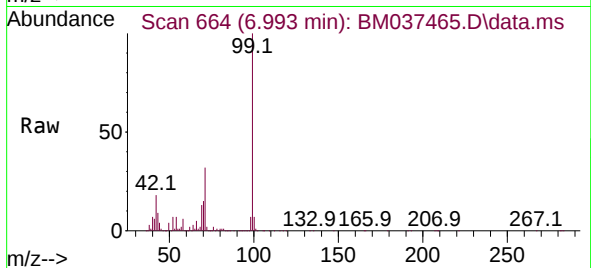




#7
Phenol-d6
Concen: 118.664 ng
RT: 6.993 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

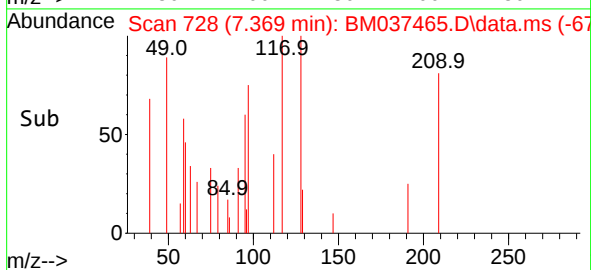
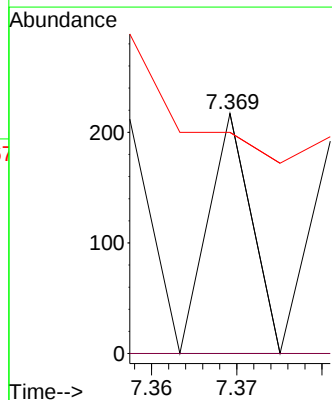
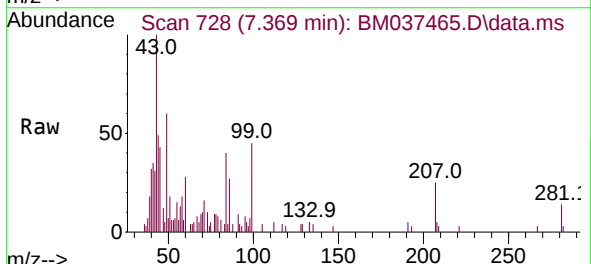
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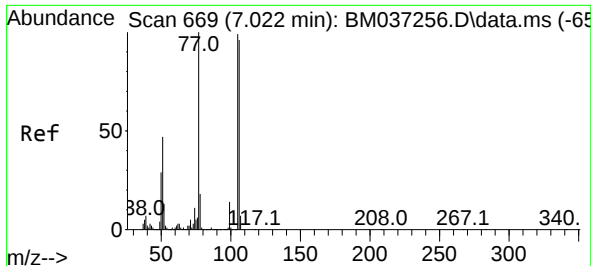
Tgt Ion: 99 Resp: 2612437
Ion Ratio Lower Upper
99 100
42 17.8 14.8 22.2
71 32.5 25.6 38.4



#8
2-Chlorophenol
Concen: 0.004 ng
RT: 7.369 min Scan# 728
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 128 Resp: 77
Ion Ratio Lower Upper
128 100
130 0.0 12.7 52.7#
64 92.2 26.4 66.4#

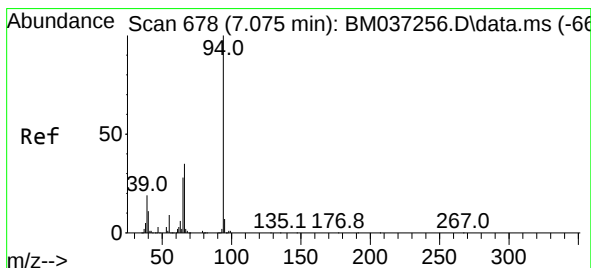
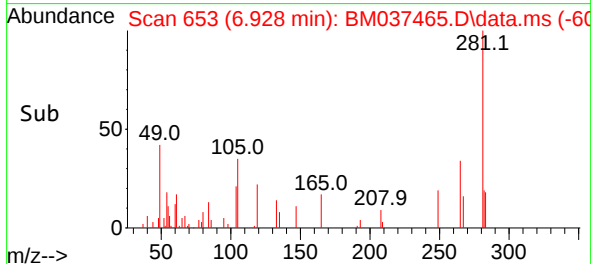
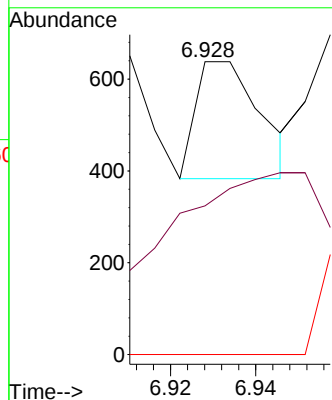
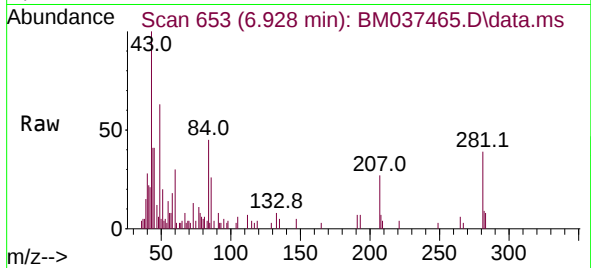




#9
Benzaldehyde
Concen: 0.024 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.029 min
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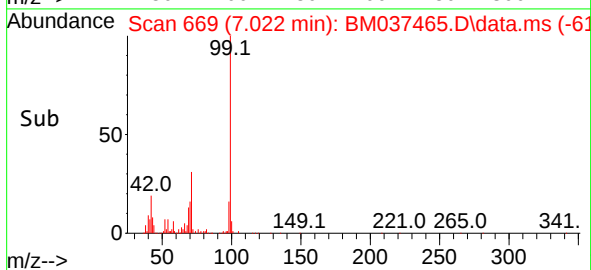
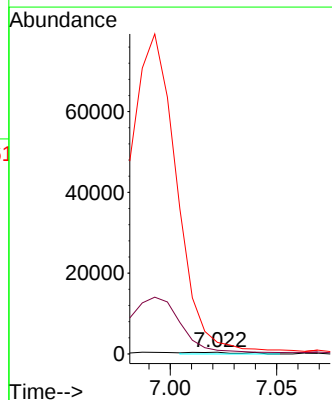
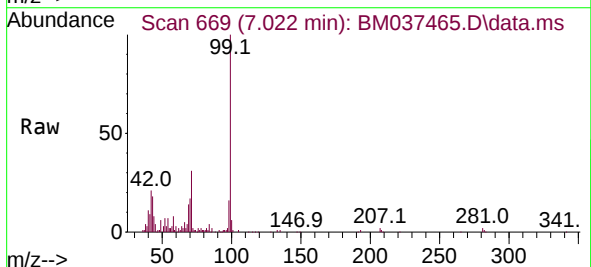
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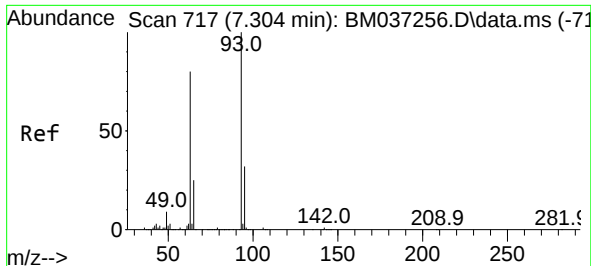
Tgt Ion: 77 Resp: 270
Ion Ratio Lower Upper
77 100
105 50.8 78.6 118.6#
106 0.0 75.8 115.8#



#10
Phenol
Concen: 0.026 ng
RT: 7.022 min Scan# 669
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 94 Resp: 639
Ion Ratio Lower Upper
94 100
65 220.6 8.1 48.1#
66 703.7 15.5 55.5#

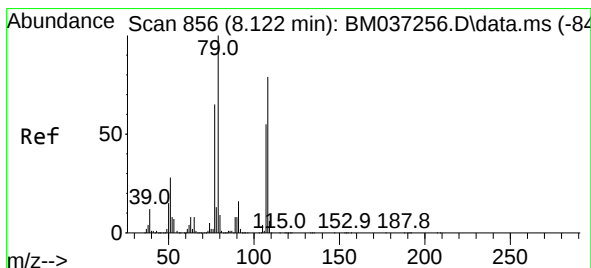
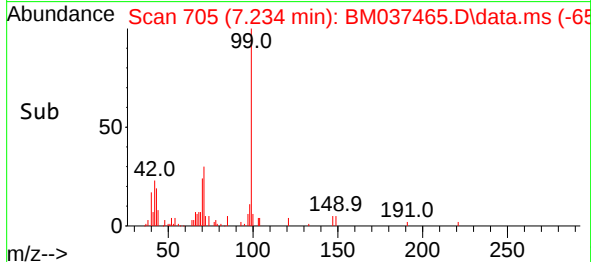
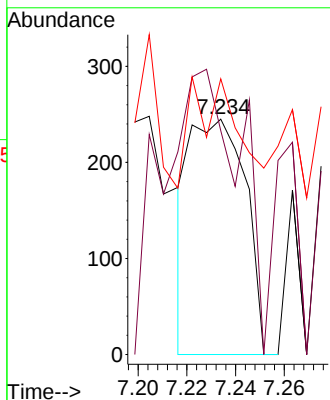
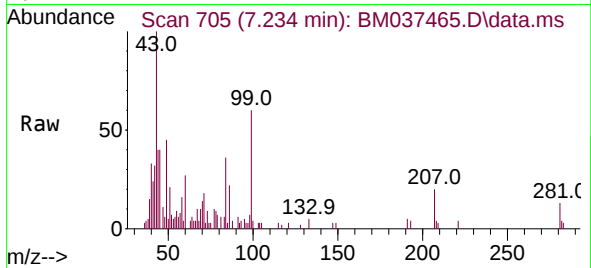




#11
bis(2-Chloroethyl)ether
Concen: 0.020 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BM037465.D
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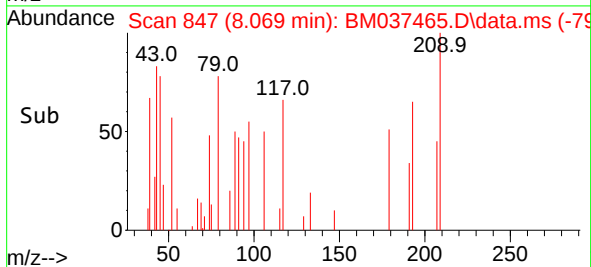
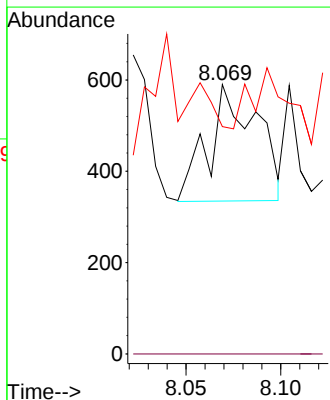
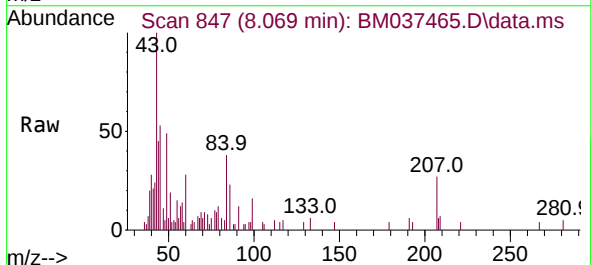
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

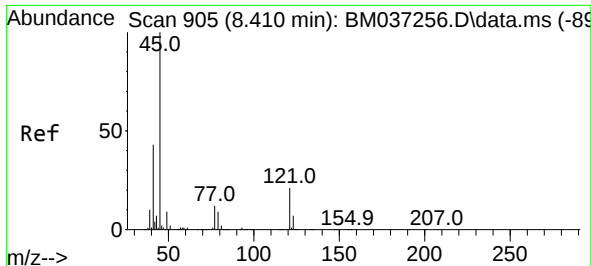
Tgt Ion: 93 Resp: 388
Ion Ratio Lower Upper
93 100
63 95.1 59.3 99.3
95 117.1 12.0 52.0#



#15
Benzyl Alcohol
Concen: 0.029 ng
RT: 8.069 min Scan# 847
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 79 Resp: 452
Ion Ratio Lower Upper
79 100
108 0.0 63.1 94.7#
77 84.4 51.7 77.5#

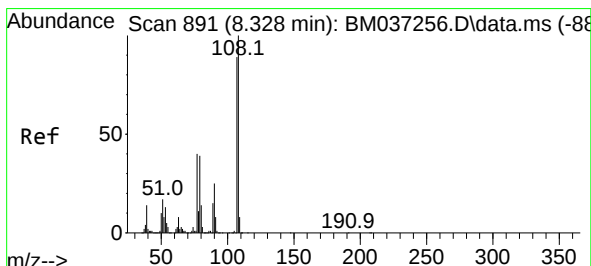
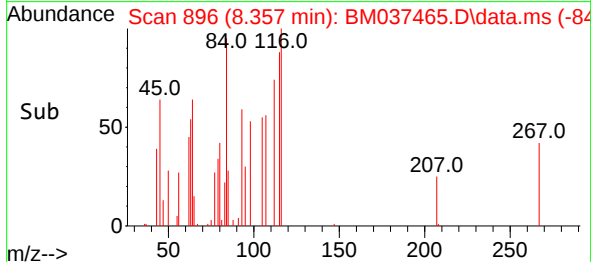
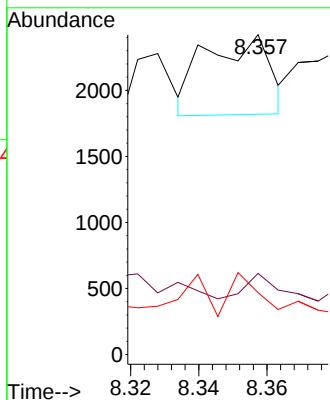
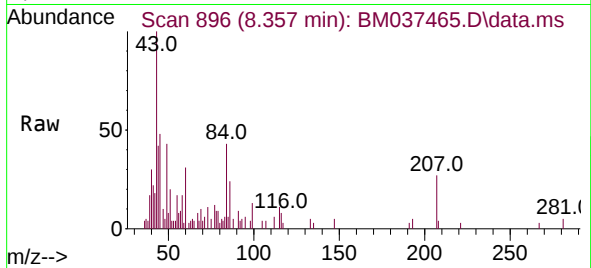




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.028 ng
RT: 8.357 min Scan# 891
Delta R.T. 0.012 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

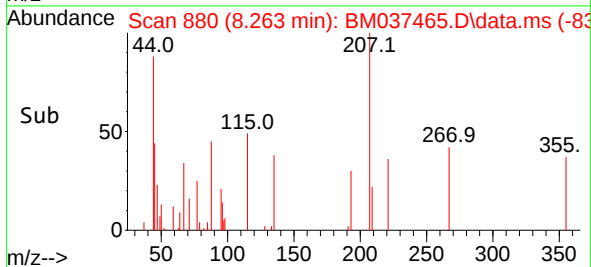
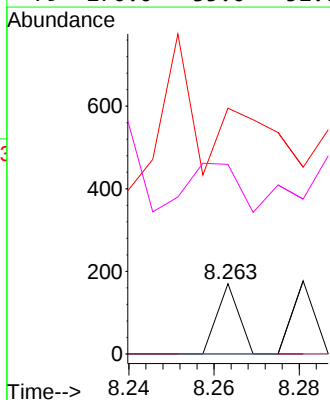
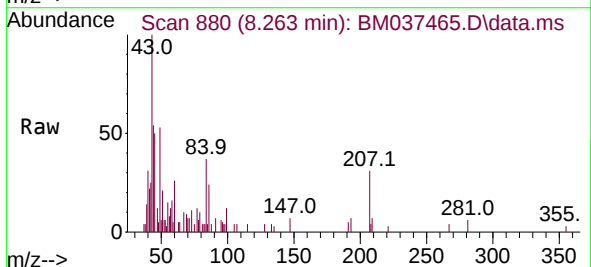
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

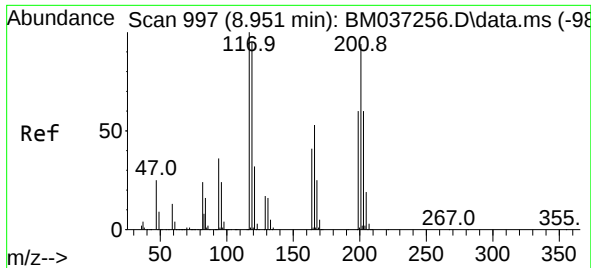
Tgt Ion: 45 Resp: 783
Ion Ratio Lower Upper
45 100
77 25.4 0.0 34.0
79 19.4 0.0 30.6



#17
2-Methylphenol
Concen: 0.004 ng
RT: 8.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 107 Resp: 60
Ion Ratio Lower Upper
107 100
108 0.0 89.5 134.3#
77 350.0 36.2 54.2#
79 270.0 35.0 52.6#

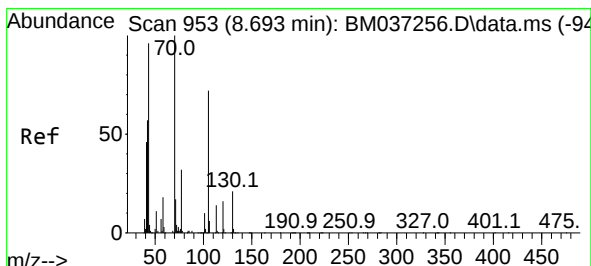
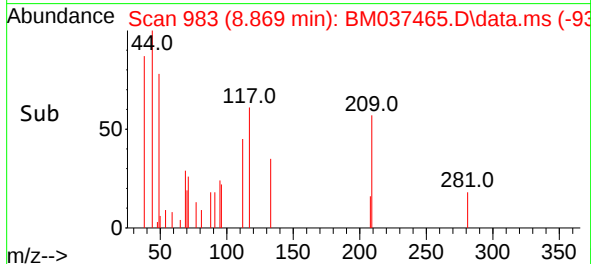
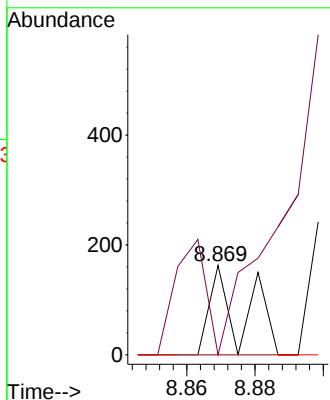
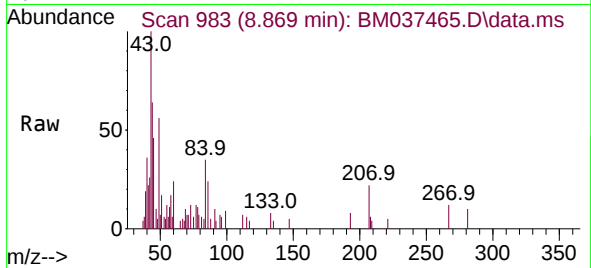




#18
Hexachloroethane
Concen: 0.014 ng
RT: 8.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

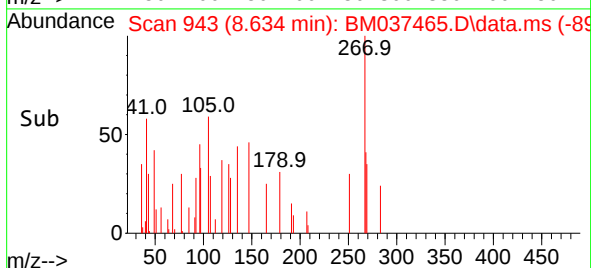
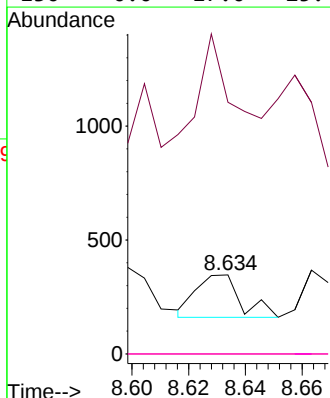
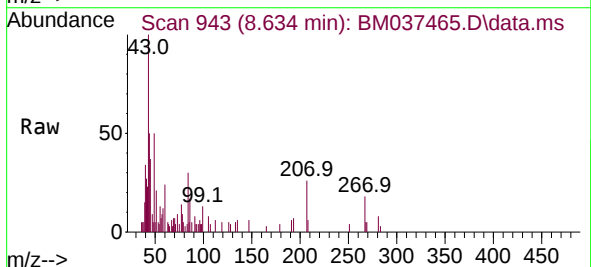
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

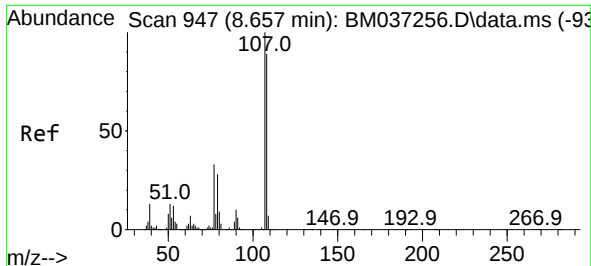
Tgt Ion:117 Resp: 110
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
201 0.0 75.0 112.4#



#19
n-Nitroso-di-n-propylamine
Concen: 0.087 ng
RT: 8.634 min Scan# 943
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 70 Resp: 203
Ion Ratio Lower Upper
70 100
42 318.4 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 17.0 25.4#

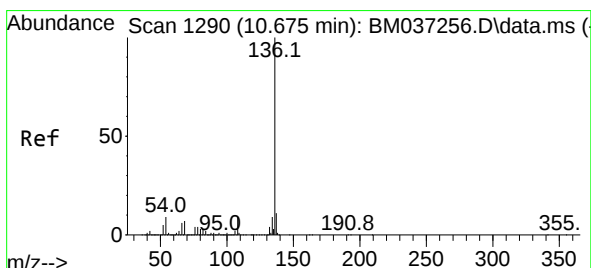
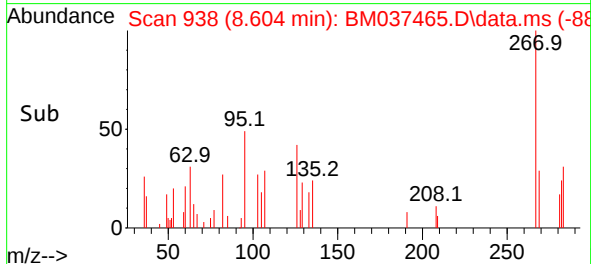
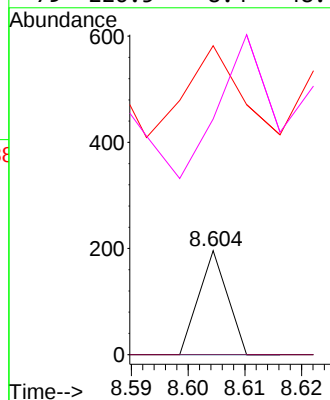
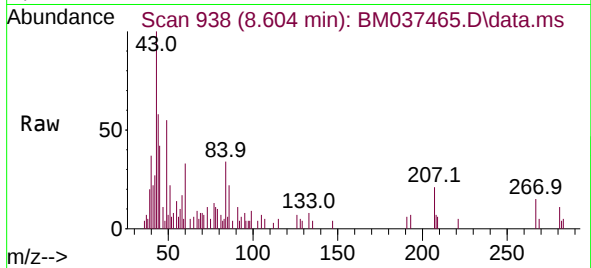




#20
3+4-Methylphenols
Concen: 0.003 ng
RT: 8.604 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

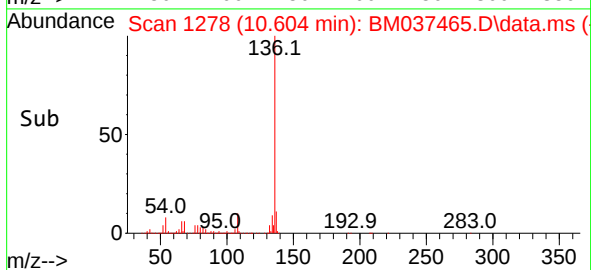
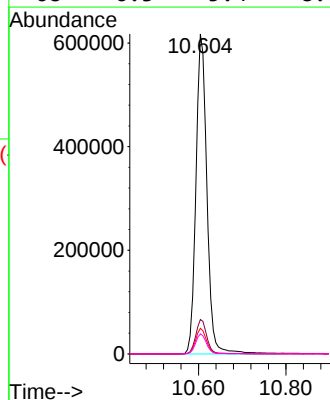
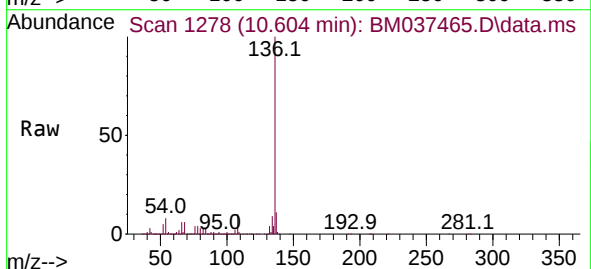
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

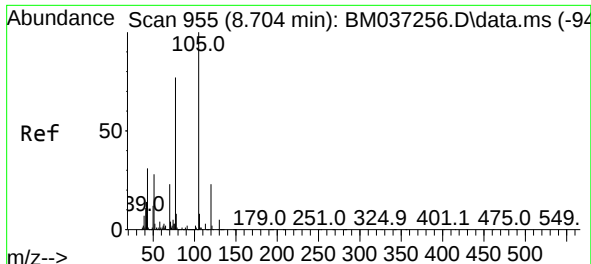
Tgt Ion:107 Resp: 69
Ion Ratio Lower Upper
107 100
108 0.0 69.4 109.4#
77 296.9 12.8 52.8#
79 226.5 8.4 48.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:136 Resp: 1076959
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.0 7.0 10.4
68 6.3 5.4 8.0

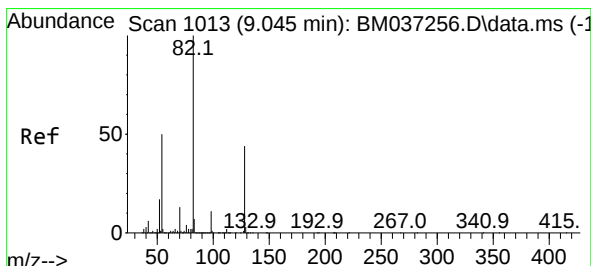
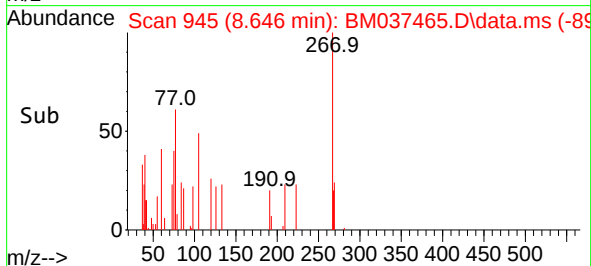
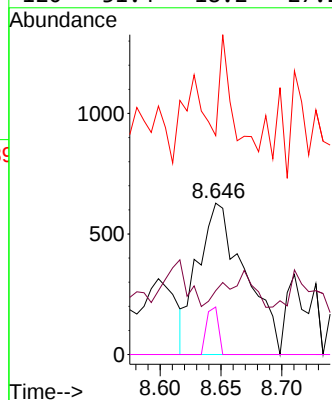
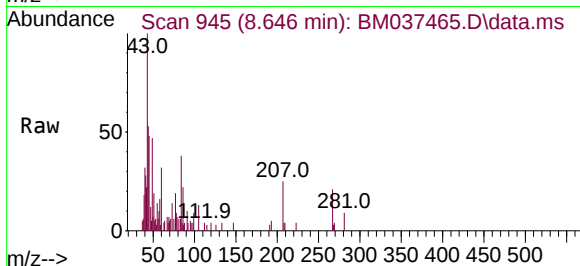




#22
Acetophenone
Concen: 0.061 ng
RT: 8.646 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

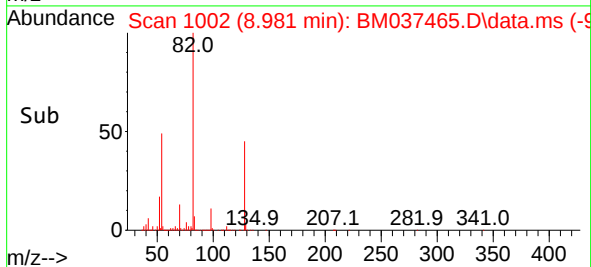
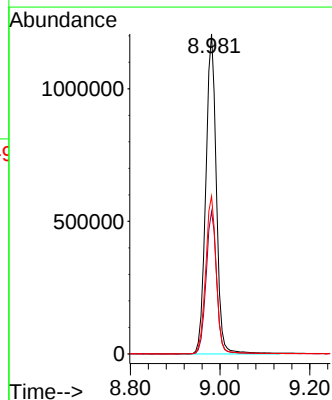
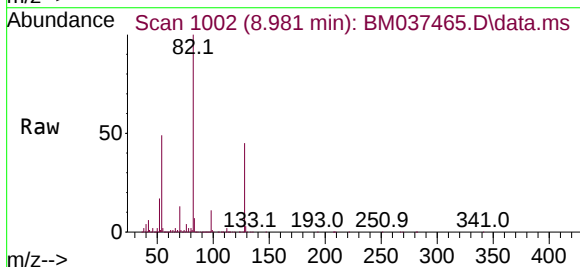
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

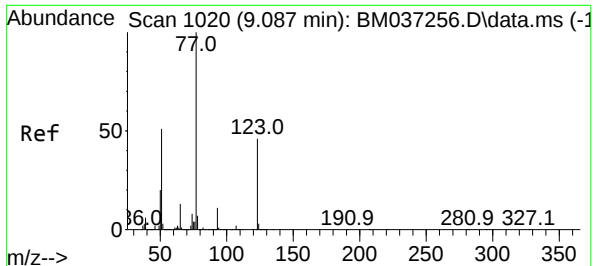
Tgt Ion:	105	Resp:	1698
Ion	Ratio	Lower	Upper
105	100		
71	42.2	3.0	4.4#
51	144.6	22.1	33.1#
120	31.4	18.2	27.2#



#23
Nitrobenzene-d5
Concen: 92.148 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:	82	Resp:	1966979
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.2	52.8
54	49.3	40.4	60.6

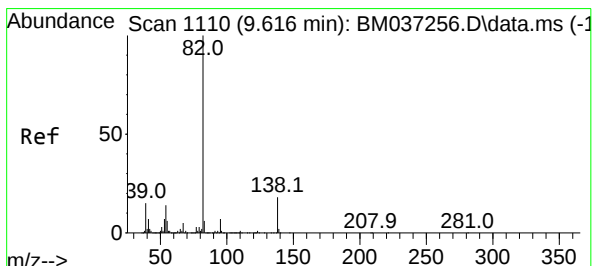
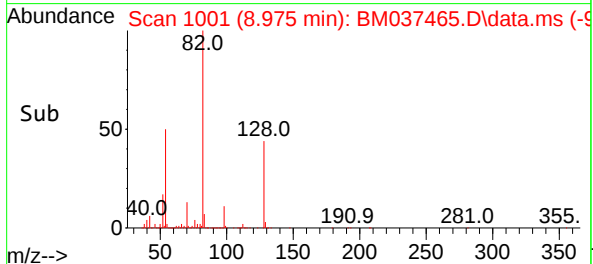
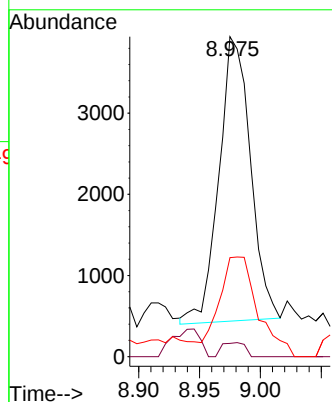
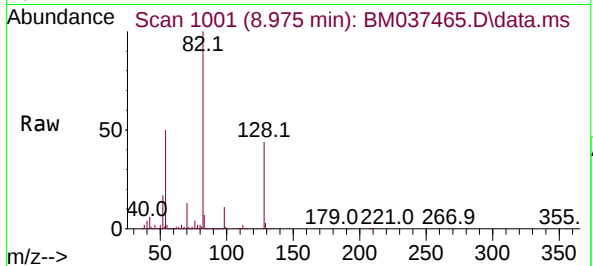




#24
Nitrobenzene
Concen: 0.292 ng
RT: 8.975 min Scan# 10
Delta R.T. -0.047 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

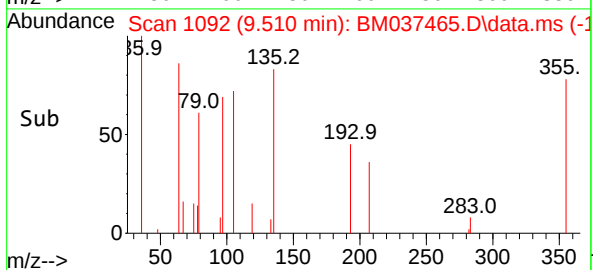
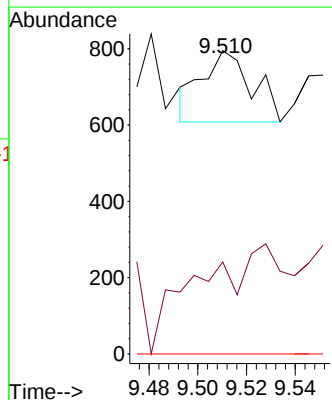
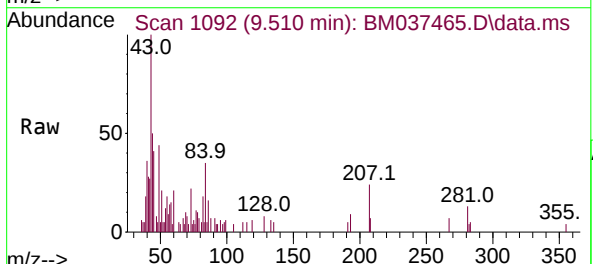
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

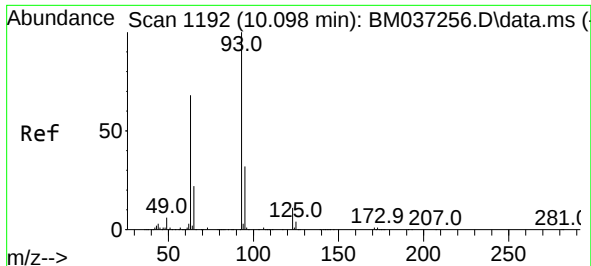
Tgt Ion: 77 Resp: 6309
Ion Ratio Lower Upper
77 100
123 4.2 36.6 55.0#
65 30.9 10.6 16.0#



#25
Isophorone
Concen: 0.007 ng
RT: 9.510 min Scan# 1092
Delta R.T. -0.041 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 82 Resp: 267
Ion Ratio Lower Upper
82 100
95 30.3 5.4 8.0#
138 0.0 14.2 21.4#

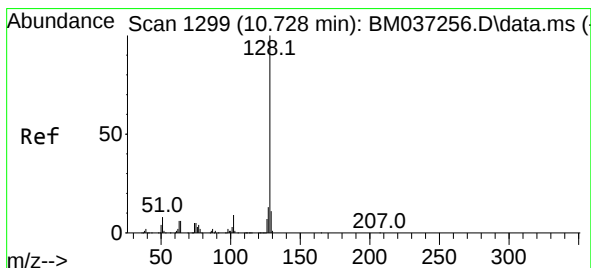
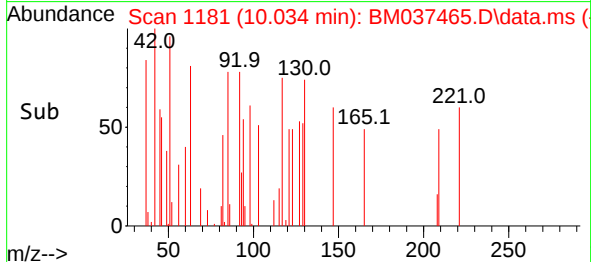
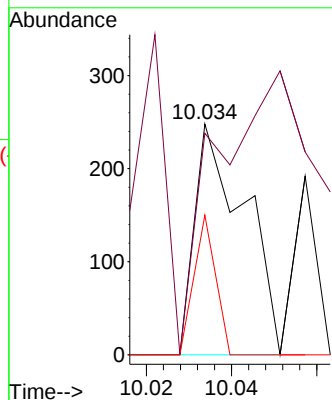
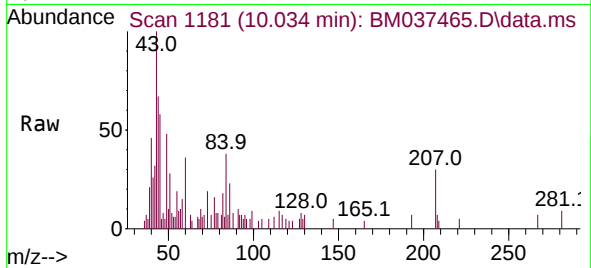




#28
bis(2-Chloroethoxy)methane
Concen: 0.009 ng
RT: 10.034 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

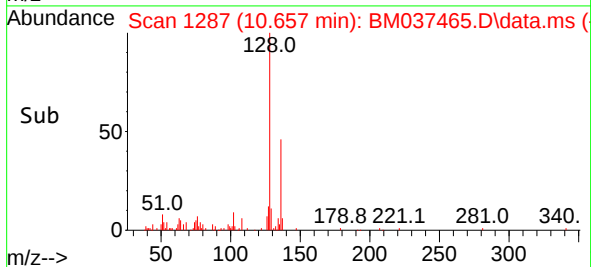
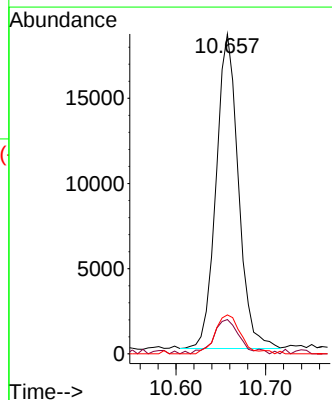
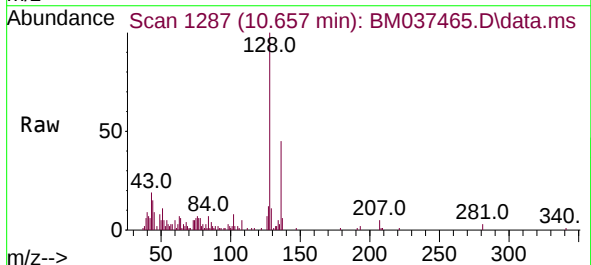
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

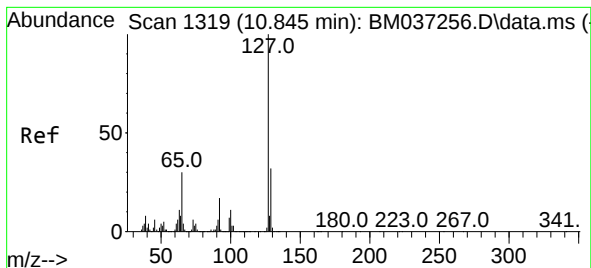
Tgt Ion: 93 Resp: 202
Ion Ratio Lower Upper
93 100
95 96.0 25.8 38.8#
123 60.5 9.3 13.9#



#31
Naphthalene
Concen: 0.524 ng
RT: 10.657 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 128 Resp: 31976
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.2 10.2 15.2

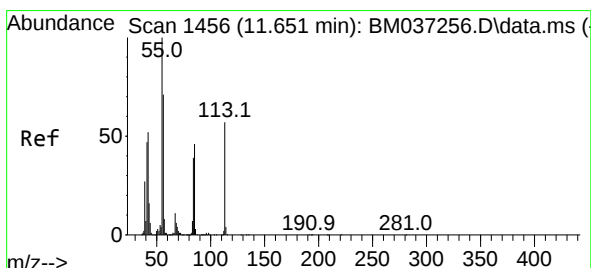
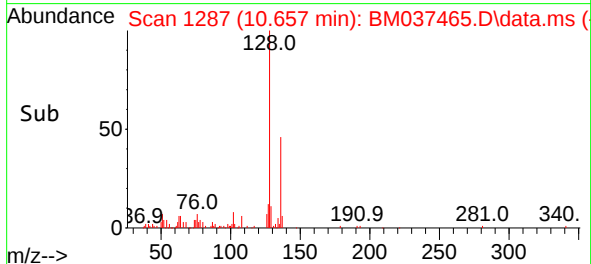
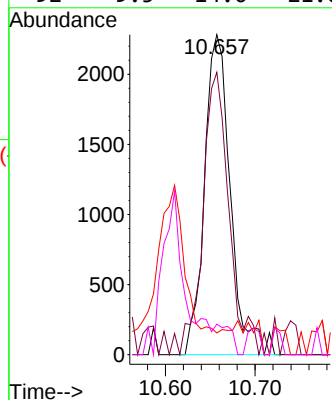
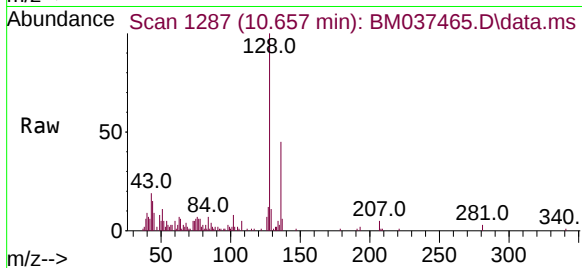




#33
4-Chloroaniline
Concen: 0.189 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.129 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

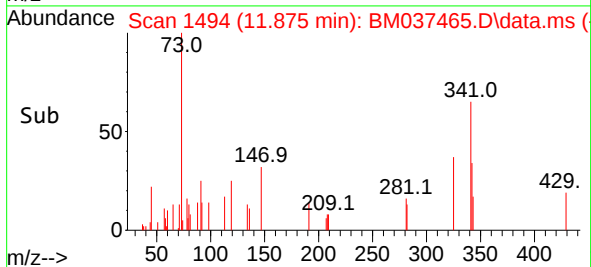
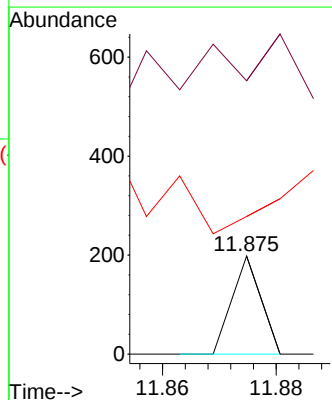
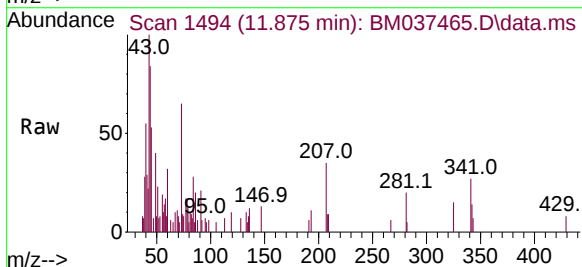
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

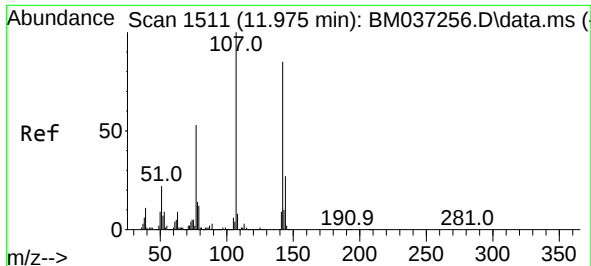
Tgt Ion:127	Resp:	4591
Ion Ratio	Lower	Upper
127	100	
129	88.2	25.5 38.3#
65	6.8	24.0 36.0#
92	9.5	14.0 21.0#



#35
Caprolactam
Concen: 0.014 ng
RT: 11.875 min Scan# 1494
Delta R.T. 0.259 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:113	Resp:	70
Ion Ratio	Lower	Upper
113	100	
55	278.8	156.9 196.9#
56	140.4	106.4 146.4

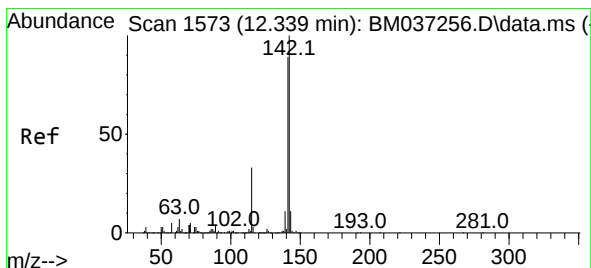
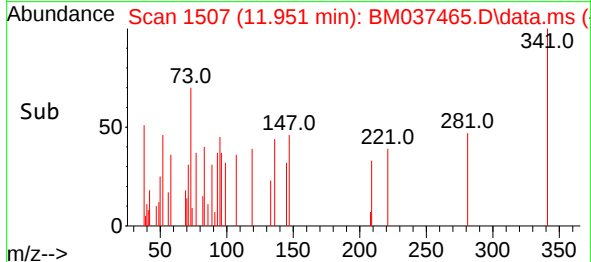
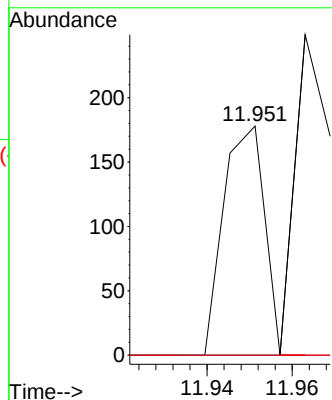
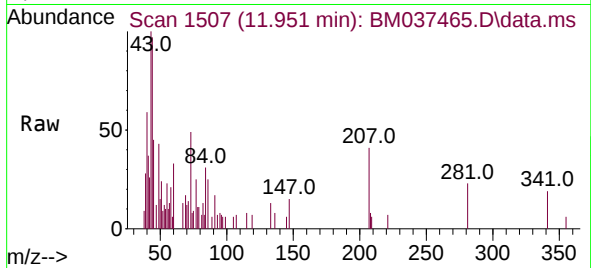




#36
4-Chloro-3-methylphenol
Concen: 0.007 ng
RT: 11.951 min Scan# 11
Delta R.T. 0.030 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

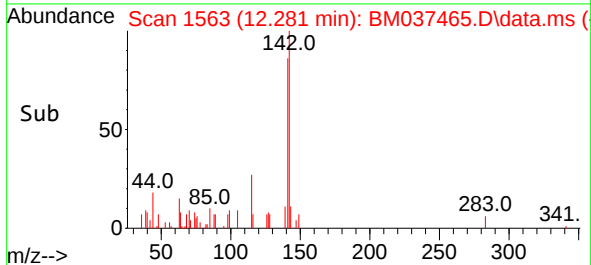
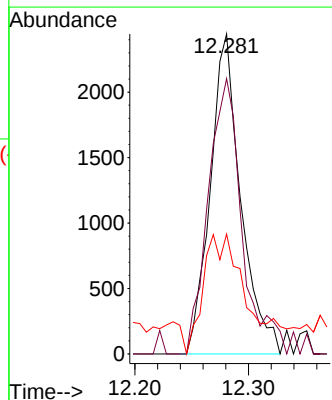
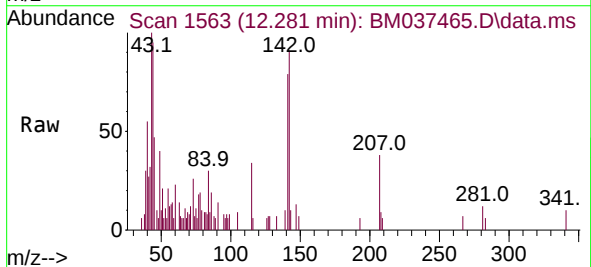
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

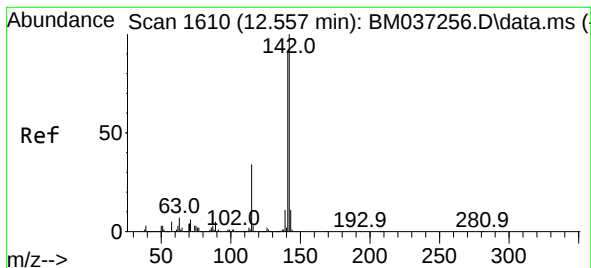
Tgt Ion:107 Resp: 118
Ion Ratio Lower Upper
107 100
144 0.0 21.8 32.6#
142 0.0 68.1 102.1#



#37
2-Methylnaphthalene
Concen: 0.110 ng
RT: 12.281 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:142 Resp: 4552
Ion Ratio Lower Upper
142 100
141 86.1 71.3 106.9
115 37.4 26.0 39.0





#38

1-Methylnaphthalene

Concen: 0.117 ng

RT: 12.492 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

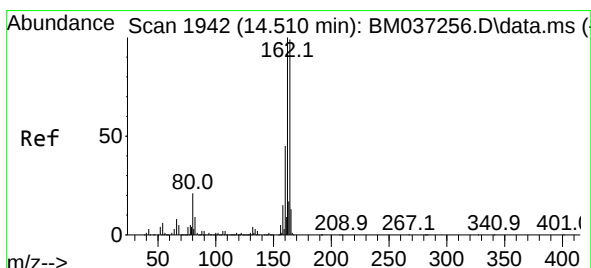
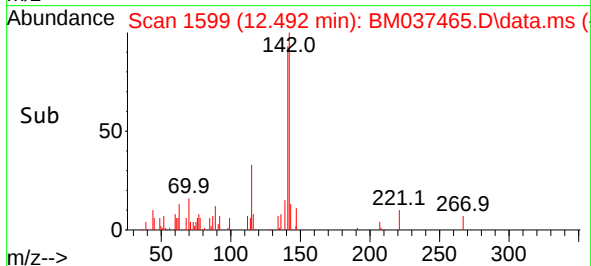
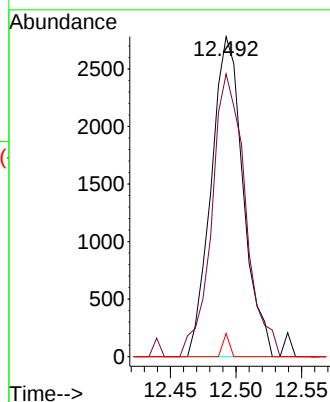
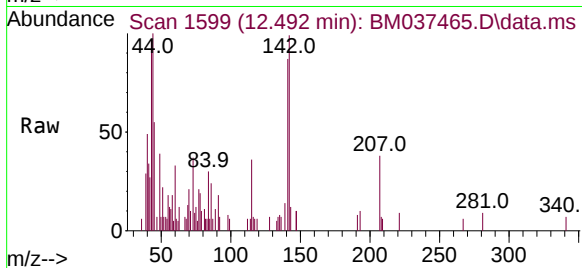
Tgt Ion:142 Resp: 4713

Ion Ratio Lower Upper

142 100

141 88.3 73.0 109.6

116 7.3 2.8 4.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

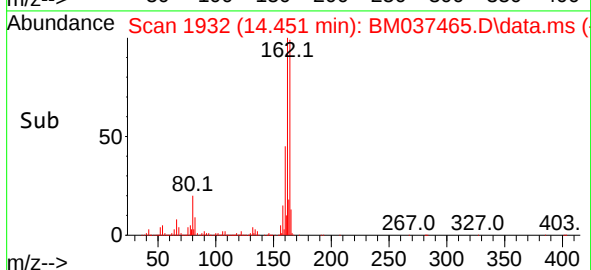
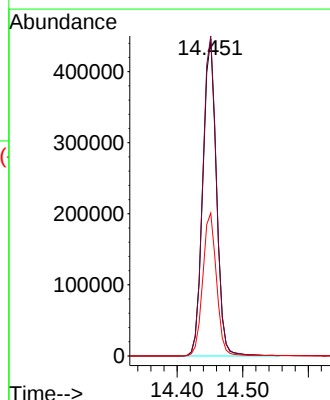
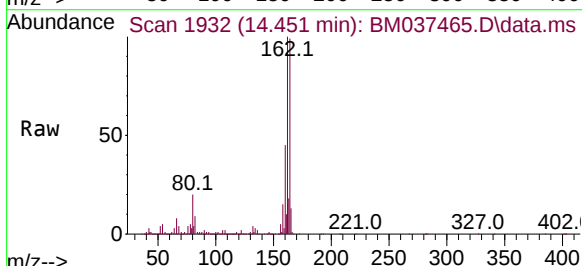
Tgt Ion:164 Resp: 639893

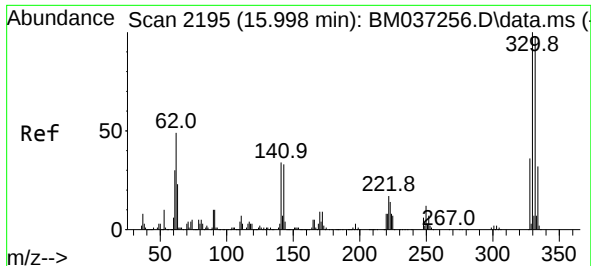
Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

160 45.1 36.2 54.4

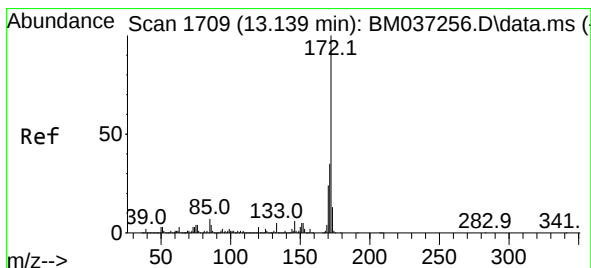
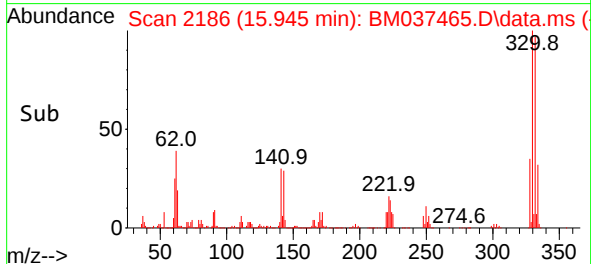
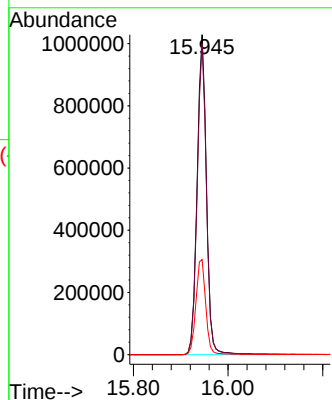
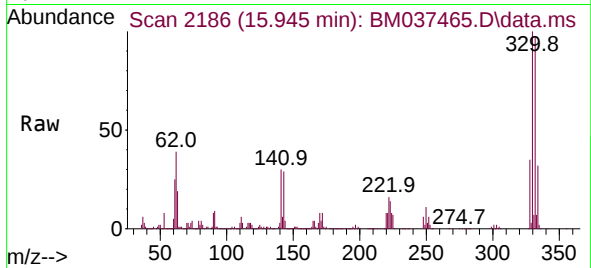




#42
2,4,6-Tribromophenol
Concen: 186.822 ng
RT: 15.945 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

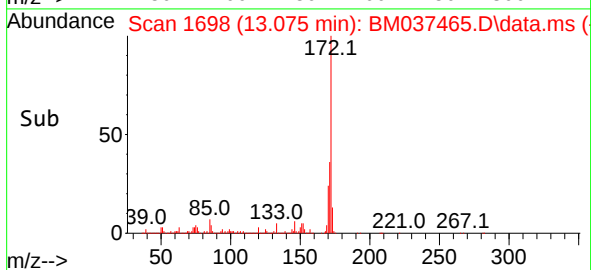
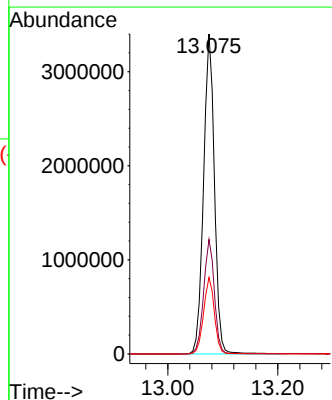
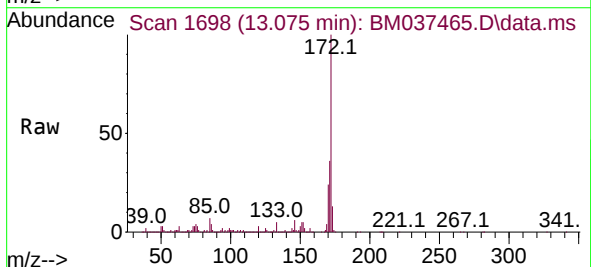
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

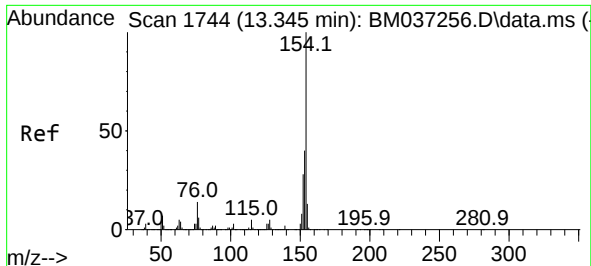
Tgt Ion:330 Resp: 1408809
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 31.3 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 96.860 ng
RT: 13.075 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:172 Resp: 4664731
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.9 19.0 28.4

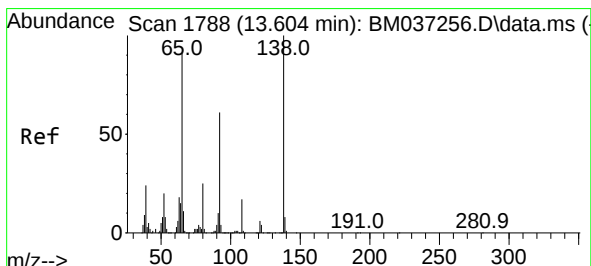
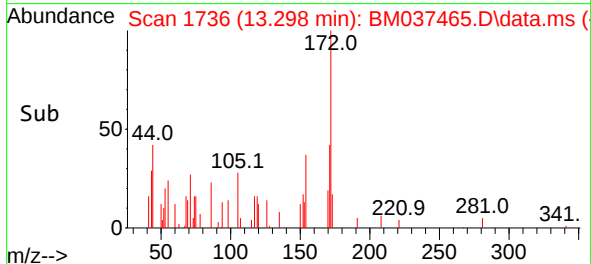
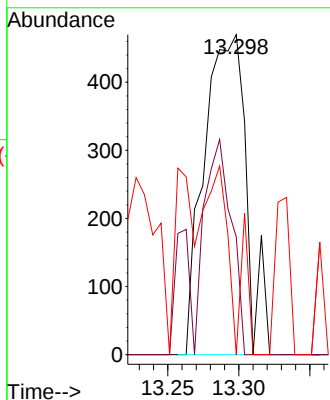
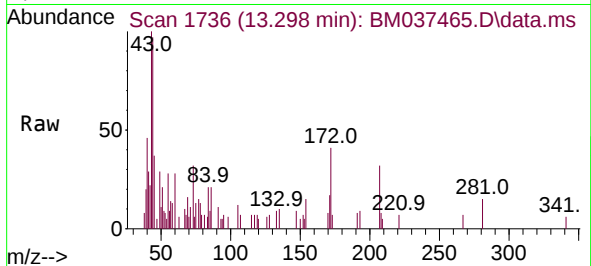




#46
1,1'-Biphenyl
Concen: 0.019 ng
RT: 13.298 min Scan# 1736
Delta R.T. 0.012 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

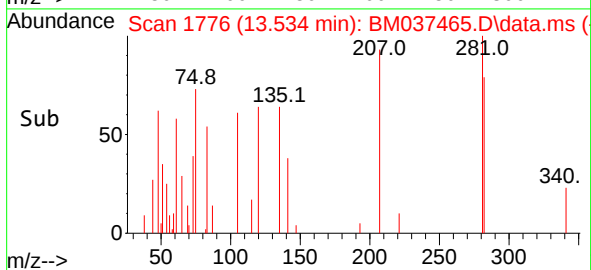
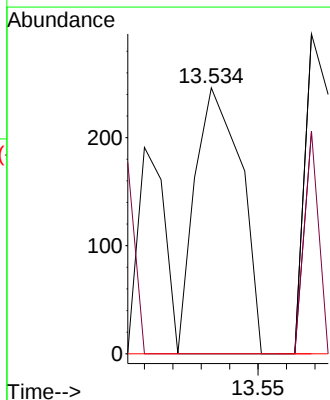
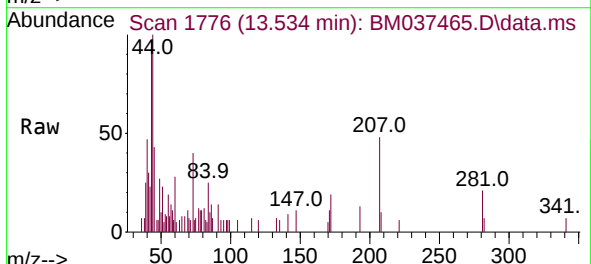
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

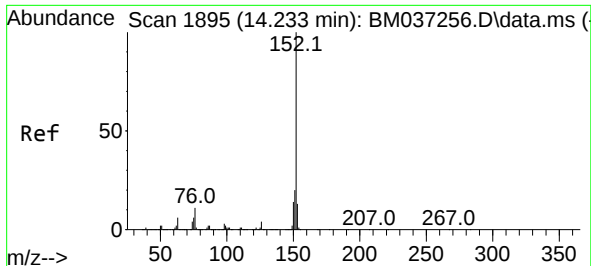
Tgt Ion:154 Resp: 971
Ion Ratio Lower Upper
154 100
153 36.8 20.3 60.3
76 0.0 0.0 33.7



#48
2-Nitroaniline
Concen: 0.023 ng
RT: 13.534 min Scan# 1776
Delta R.T. -0.017 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion: 65 Resp: 277
Ion Ratio Lower Upper
65 100
92 0.0 53.7 80.5#
138 0.0 87.4 131.2#

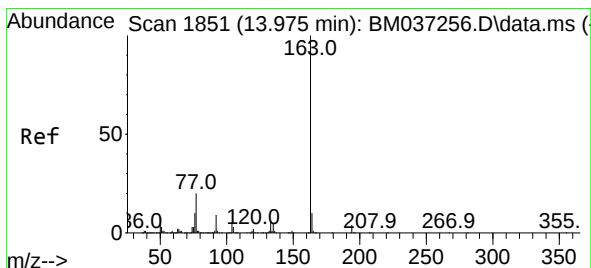
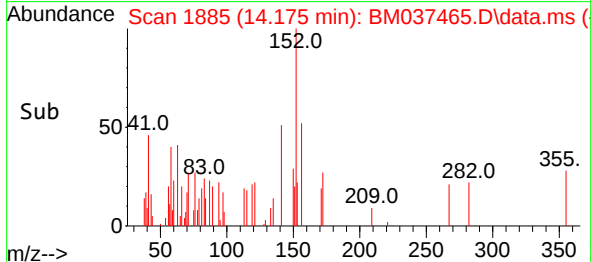
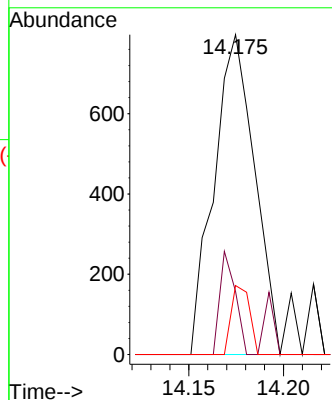
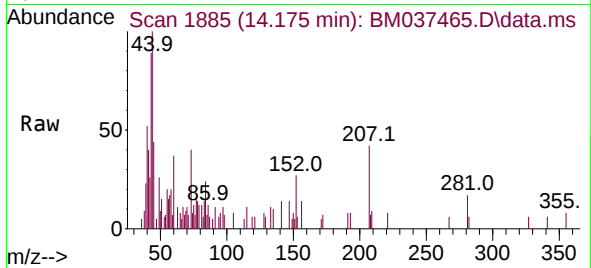




#49
Acenaphthylene
Concen: 0.019 ng
RT: 14.175 min Scan# 1885
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

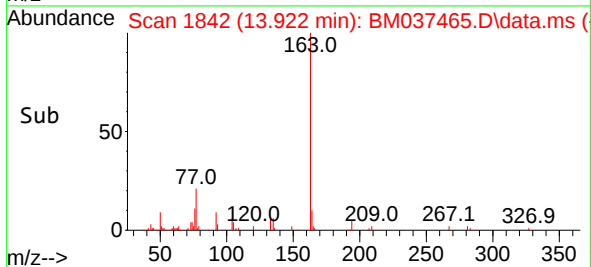
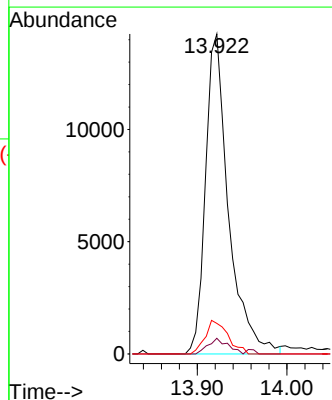
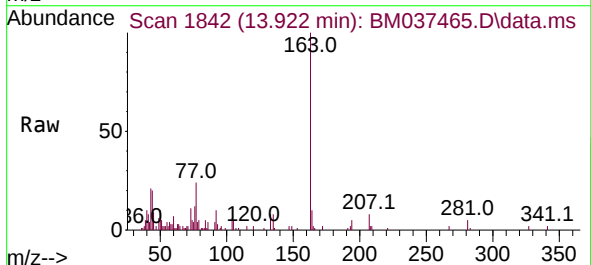
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

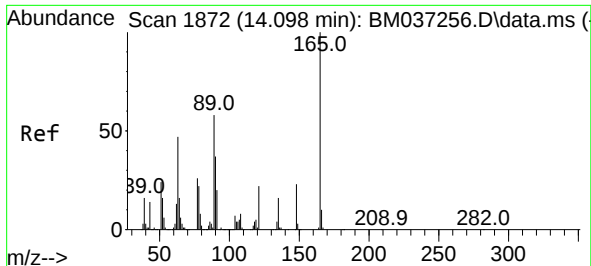
Tgt Ion:152 Resp: 1193
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 21.6 10.6 15.8#



#50
Dimethylphthalate
Concen: 0.520 ng
RT: 13.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:163 Resp: 25400
Ion Ratio Lower Upper
163 100
194 4.9 3.0 4.6#
164 9.5 8.2 12.2

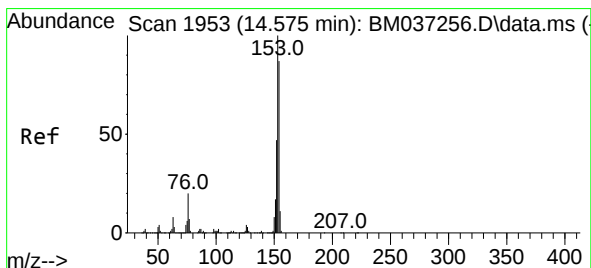
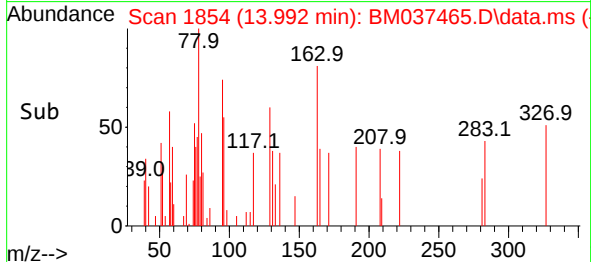
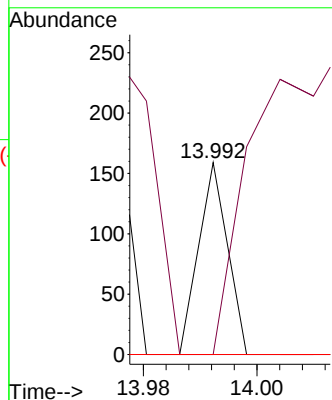
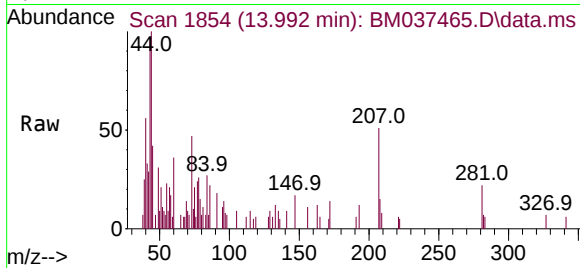




#51
2,6-Dinitrotoluene
Concen: 0.005 ng
RT: 13.992 min Scan# 1872
Delta R.T. -0.059 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

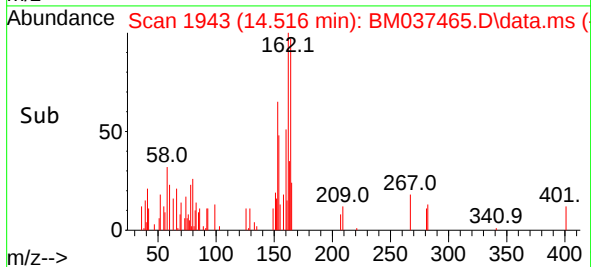
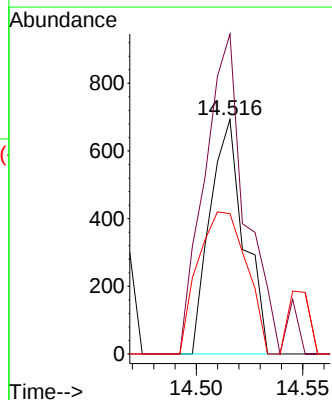
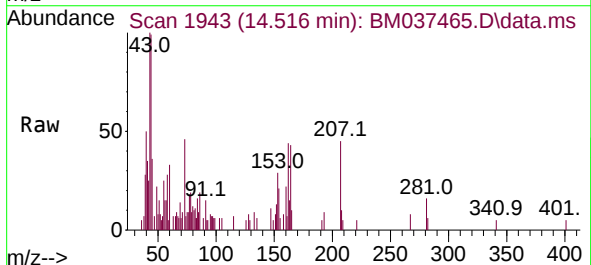
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

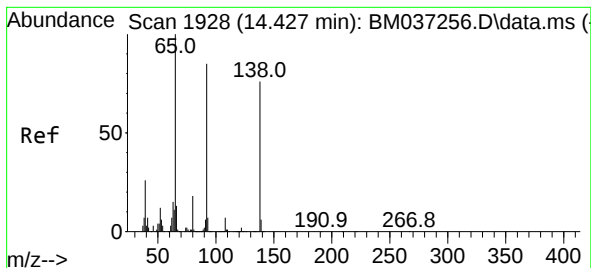
Tgt Ion:165 Resp: 56
Ion Ratio Lower Upper
165 100
63 0.0 46.2 69.2#
89 0.0 46.6 69.8#



#52
Acenaphthene
Concen: 0.020 ng
RT: 14.516 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:154 Resp: 770
Ion Ratio Lower Upper
154 100
153 136.5 91.5 137.3
152 59.9 43.0 64.6

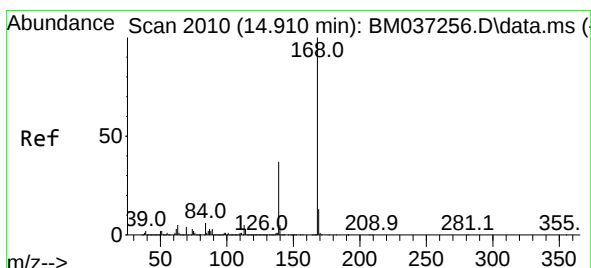
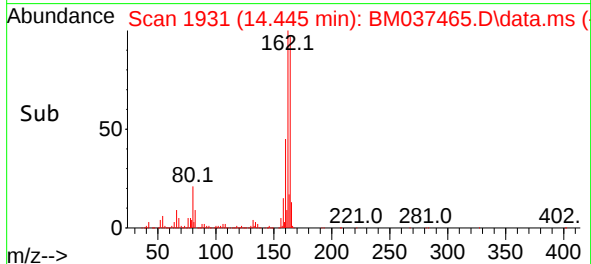
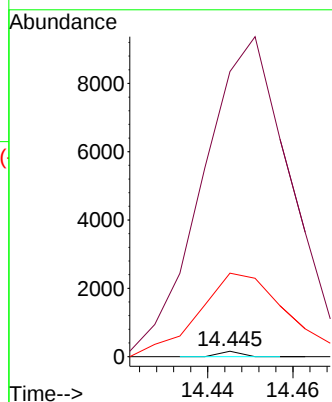
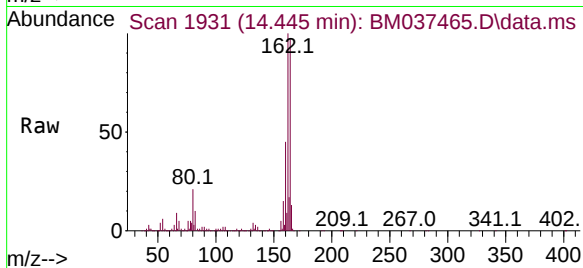




#53
3-Nitroaniline
Concen: 0.005 ng
RT: 14.445 min Scan# 1928
Delta R.T. 0.065 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

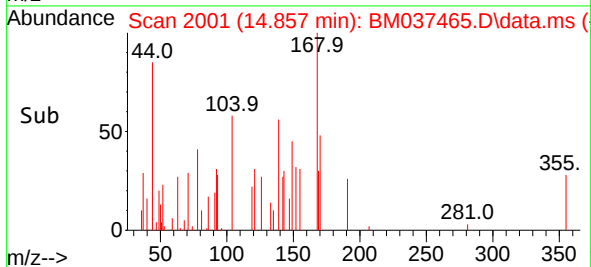
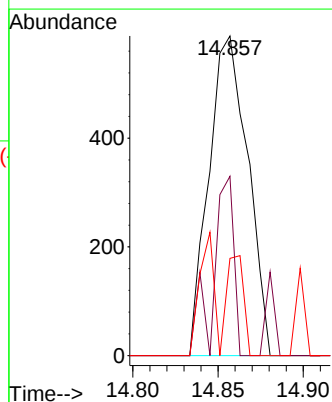
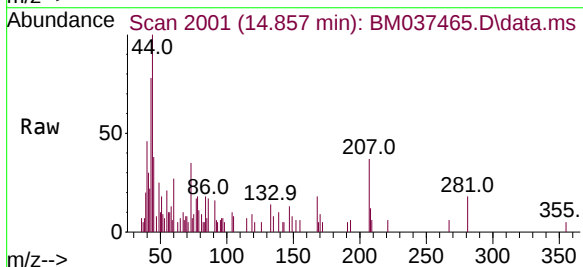
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

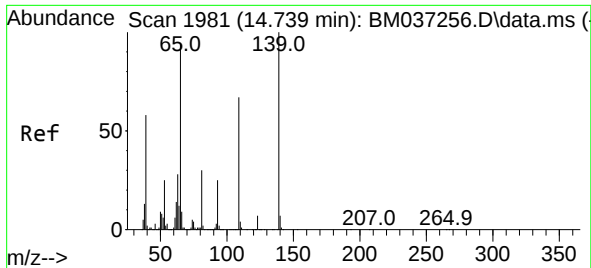
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 5283.5 7.3 10.9#
92 1546.8 89.8 134.8#



#55
Dibenzofuran
Concen: 0.015 ng
RT: 14.857 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:168 Resp: 933
Ion Ratio Lower Upper
168 100
139 56.1 29.3 43.9#
169 30.4 10.6 16.0#

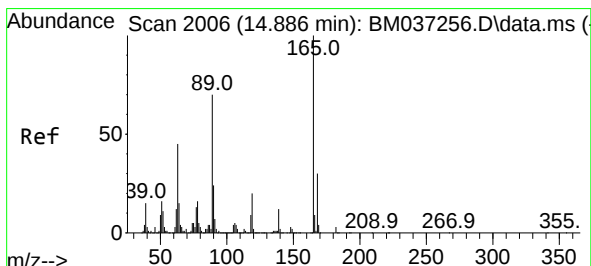
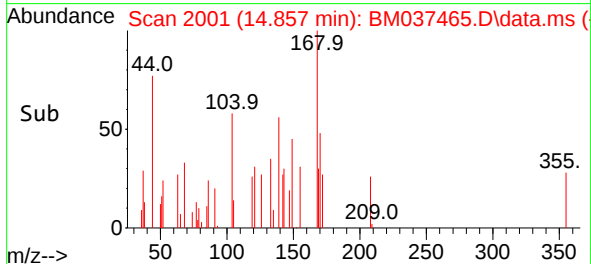
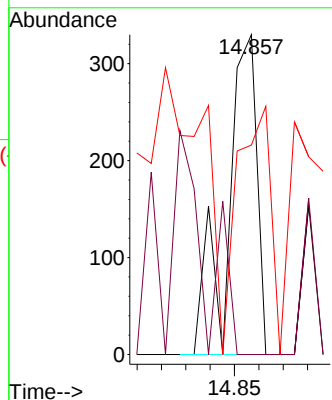
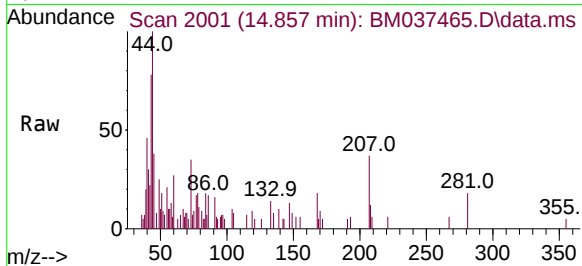




#56
4-Nitrophenol
Concen: 0.030 ng
RT: 14.857 min Scan# 20
Delta R.T. 0.153 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

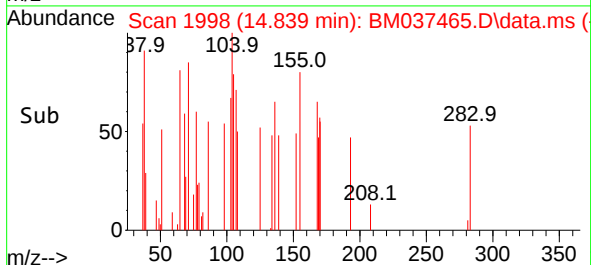
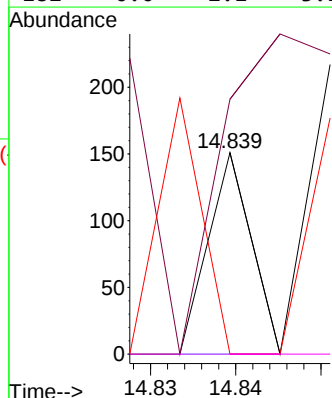
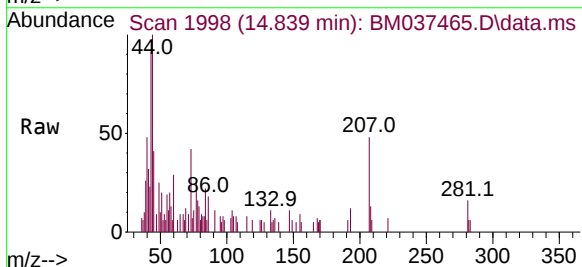
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

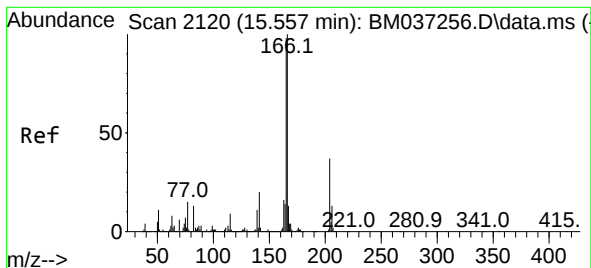
Tgt Ion:139 Resp: 275
Ion Ratio Lower Upper
139 100
109 0.0 47.4 87.4#
65 65.5 73.8 113.8#



#57
2,4-Dinitrotoluene
Concen: 0.004 ng
RT: 14.839 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:165 Resp: 53
Ion Ratio Lower Upper
165 100
63 126.5 36.3 54.5#
89 0.0 56.3 84.5#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 0.026 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

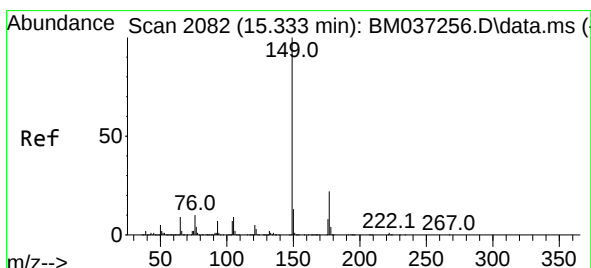
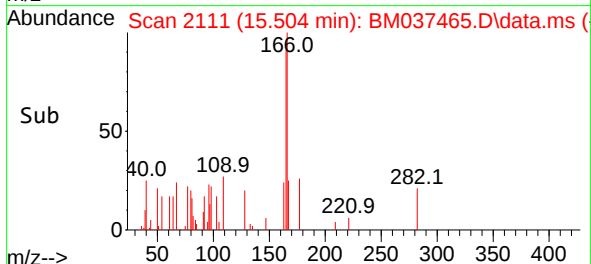
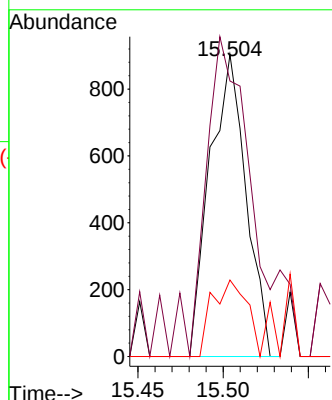
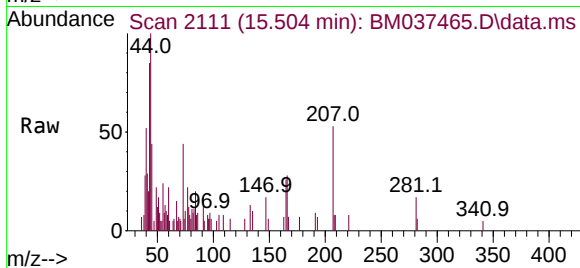
Tgt Ion:166 Resp: 1330

Ion Ratio Lower Upper

166 100

165 91.3 78.2 117.4

167 25.4 10.6 15.8#



#60

Diethylphthalate

Concen: 0.096 ng

RT: 15.275 min Scan# 2072

Delta R.T. -0.006 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

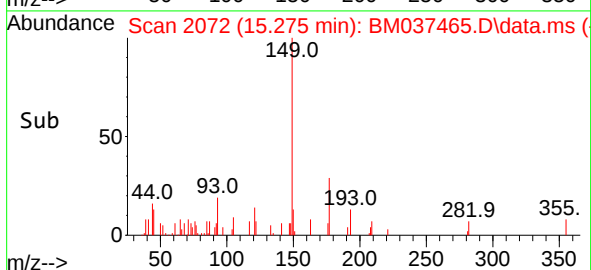
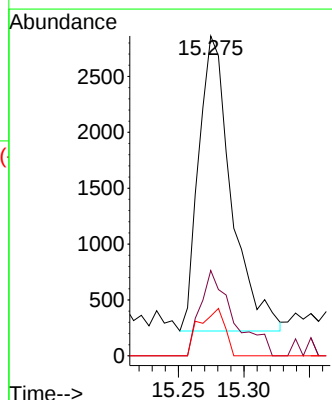
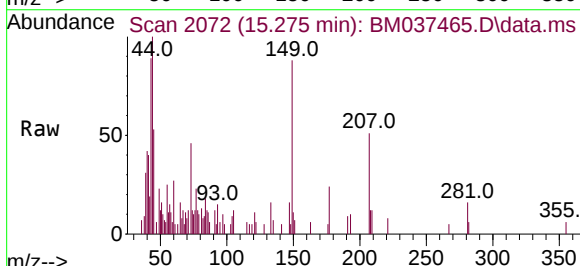
Tgt Ion:149 Resp: 4570

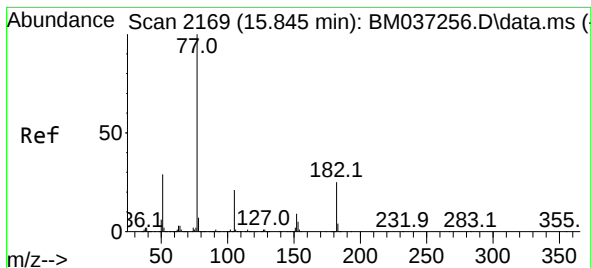
Ion Ratio Lower Upper

149 100

177 26.7 17.4 26.0#

150 12.4 10.0 15.0





#63

Azobenzene

Concen: 0.011 ng

RT: 15.816 min Scan# 21

Delta R.T. 0.024 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

Tgt Ion: 77 Resp: 499

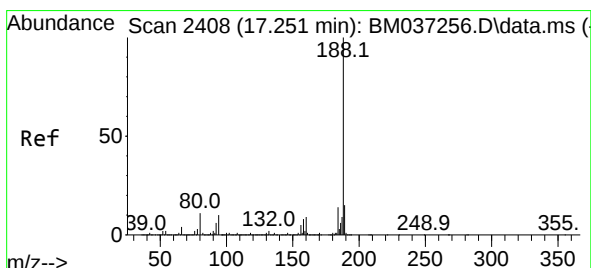
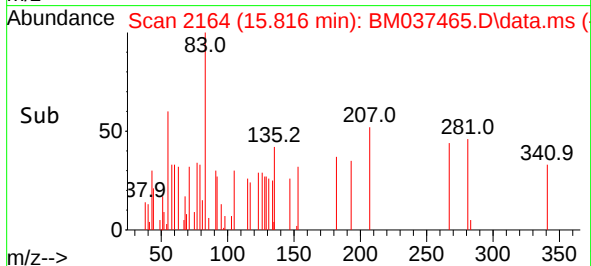
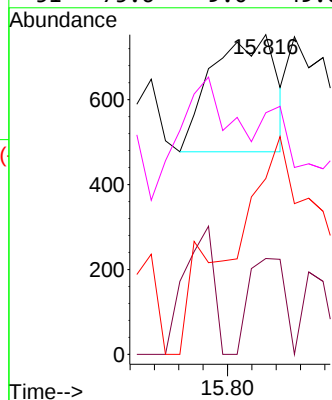
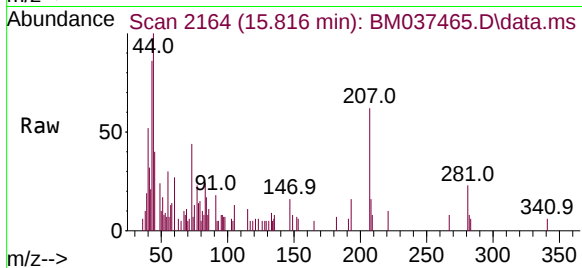
Ion Ratio Lower Upper

77 100

182 30.0 5.1 45.1

105 55.0 0.5 40.5#

51 75.6 9.0 49.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

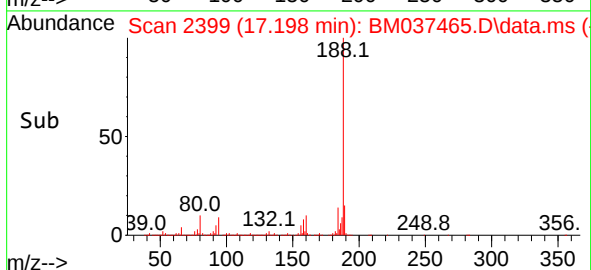
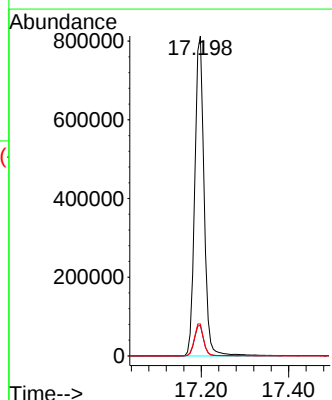
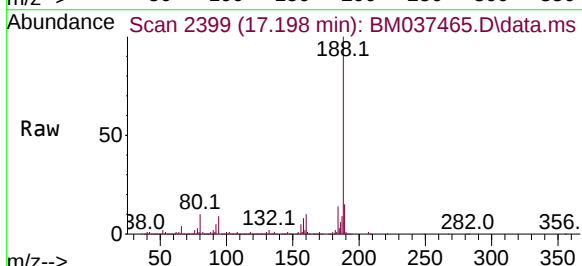
Tgt Ion: 188 Resp: 1202347

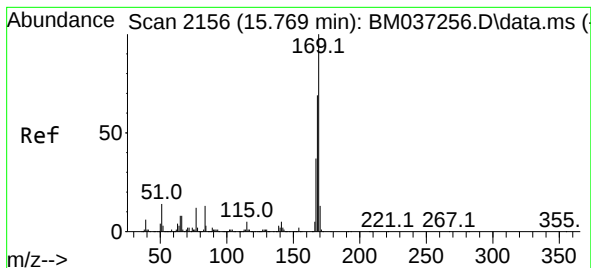
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.0 8.5 12.7





#66

n-Nitrosodiphenylamine

Concen: 1.001 ng

RT: 15.945 min Scan# 21

Delta R.T. 0.230 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

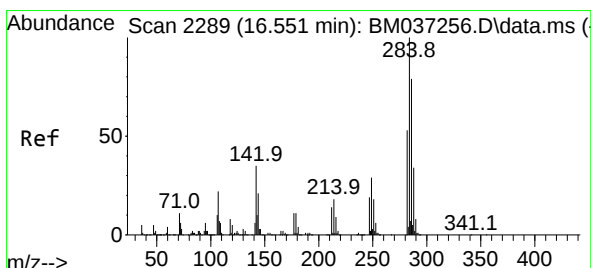
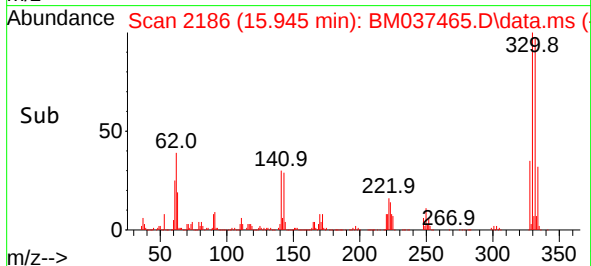
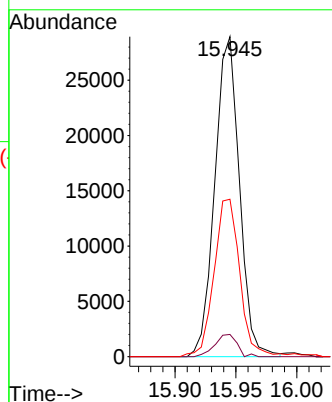
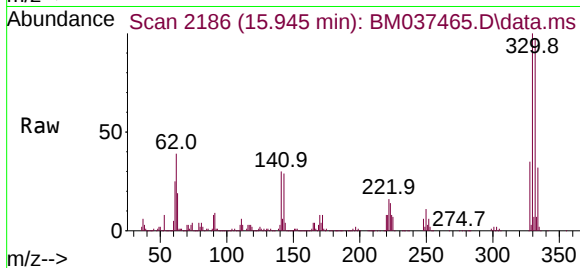
Tgt Ion:169 Resp: 40697

Ion Ratio Lower Upper

169 100

168 6.9 54.8 82.2#

167 49.2 29.5 44.3#



#68

Hexachlorobenzene

Concen: 0.003 ng

RT: 16.639 min Scan# 2304

Delta R.T. 0.141 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

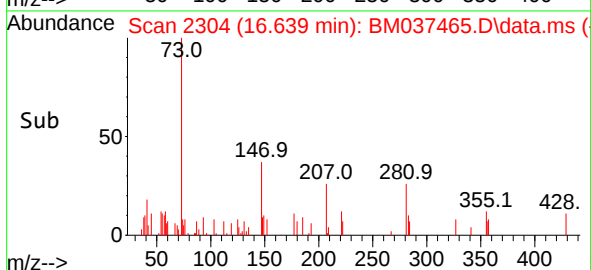
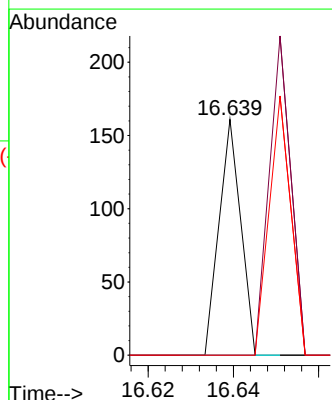
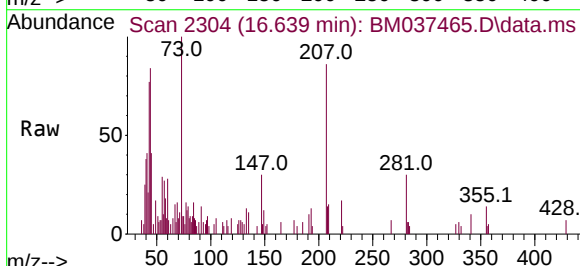
Tgt Ion:284 Resp: 57

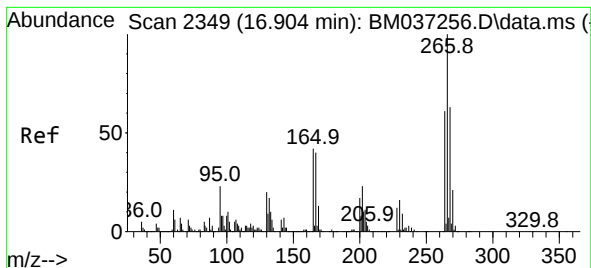
Ion Ratio Lower Upper

284 100

142 0.0 28.2 42.4#

249 0.0 23.1 34.7#





#70

Pentachlorophenol

Concen: 0.006 ng

RT: 16.857 min Scan# 2349

Delta R.T. 0.006 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

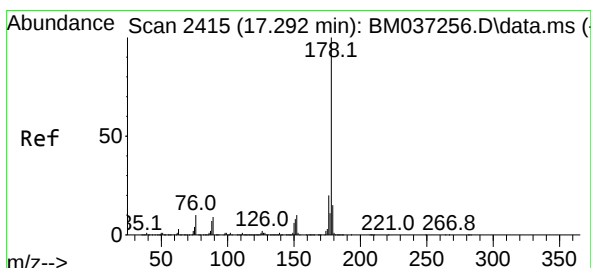
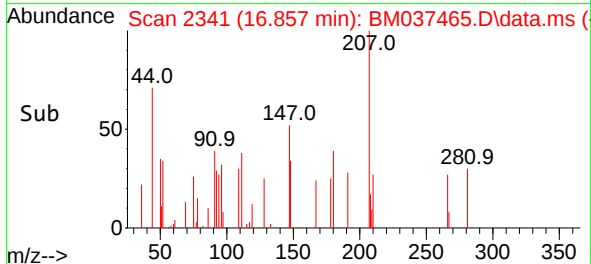
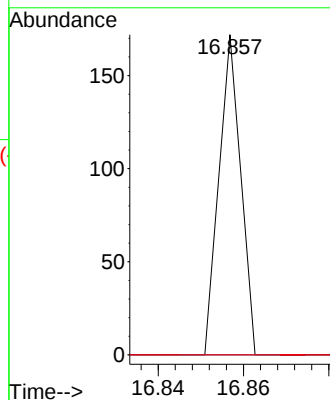
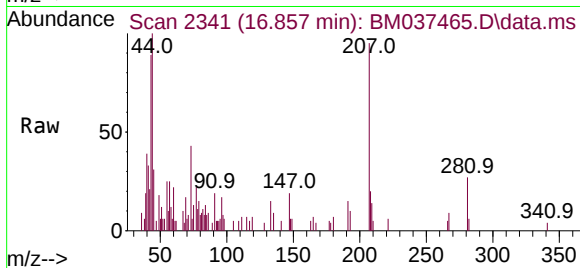
Tgt Ion:266 Resp: 61

Ion Ratio Lower Upper

266 100

268 0.0 50.7 76.1#

264 0.0 49.1 73.7#



#71

Phenanthrene

Concen: 0.050 ng

RT: 17.233 min Scan# 2405

Delta R.T. -0.011 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

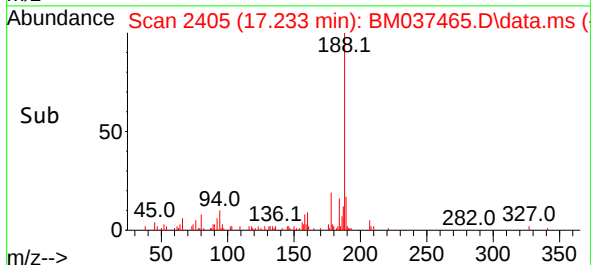
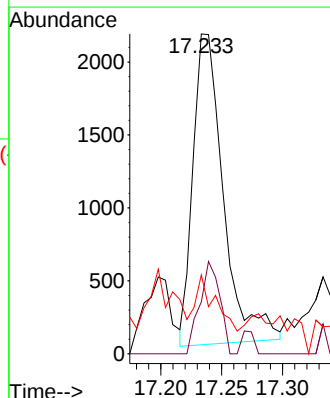
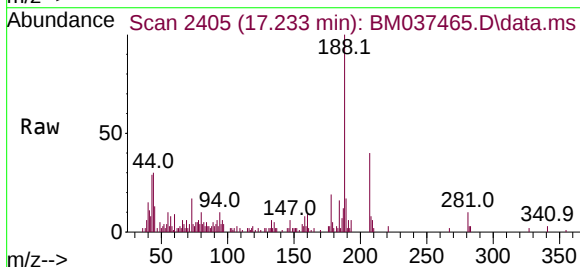
Tgt Ion:178 Resp: 3698

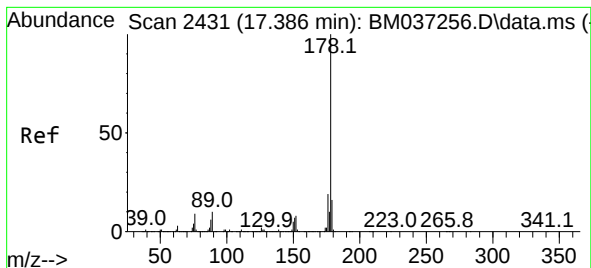
Ion Ratio Lower Upper

178 100

176 16.2 15.6 23.4

179 24.7 12.4 18.6#





#72

Anthracene

Concen: 0.014 ng

RT: 17.333 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

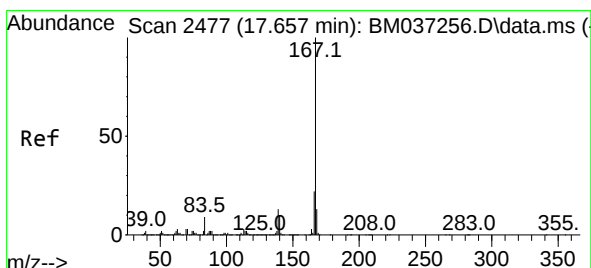
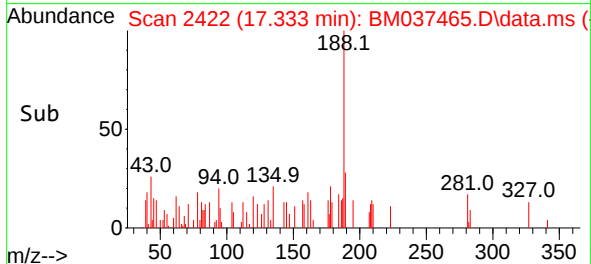
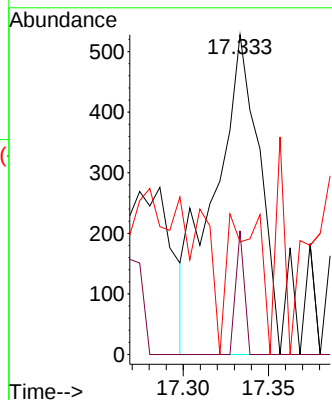
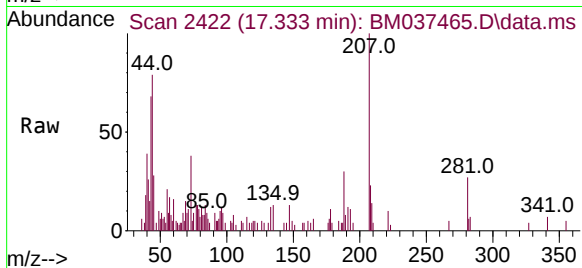
Tgt Ion:178 Resp: 979

Ion Ratio Lower Upper

178 100

176 38.6 15.4 23.0#

179 35.2 12.6 19.0#



#73

Carbazole

Concen: 0.020 ng

RT: 17.633 min Scan# 2473

Delta R.T. 0.024 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

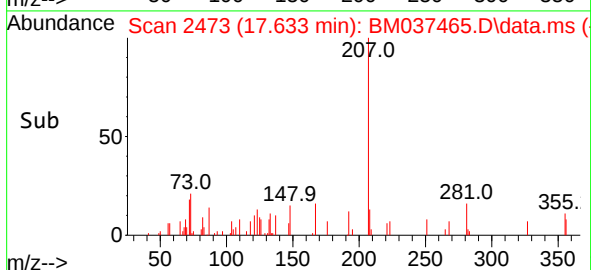
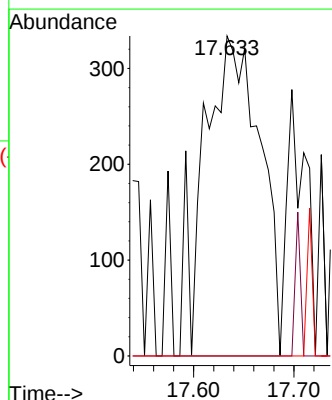
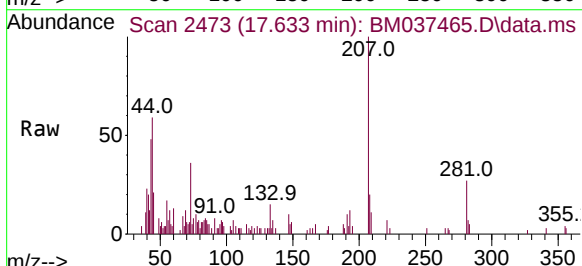
Tgt Ion:167 Resp: 1302

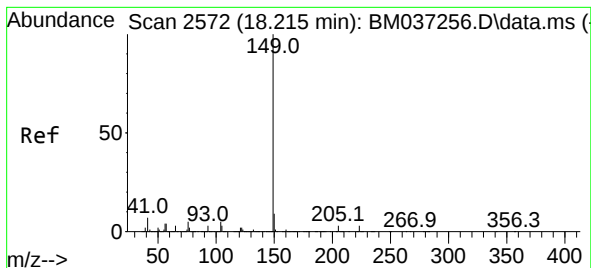
Ion Ratio Lower Upper

167 100

166 0.0 17.4 26.2#

139 0.0 10.4 15.6#





#74

Di-n-butylphthalate

Concen: 0.145 ng

RT: 18.169 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

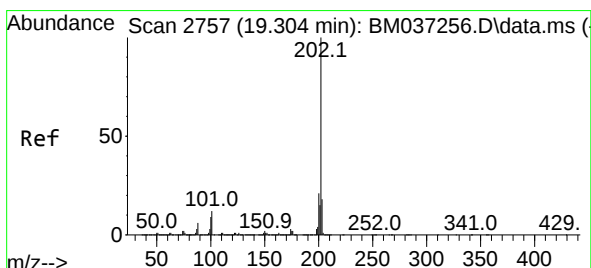
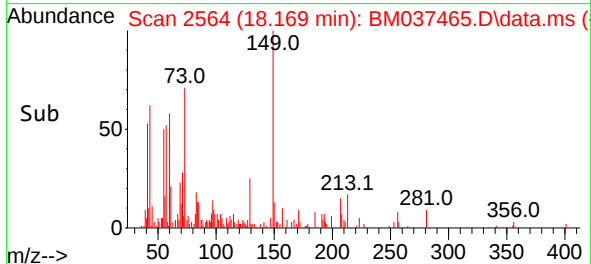
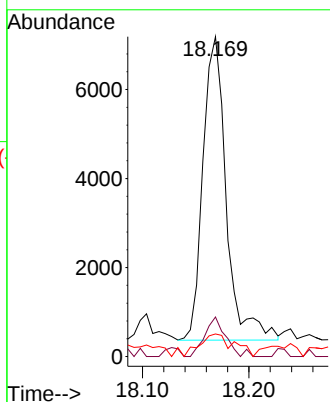
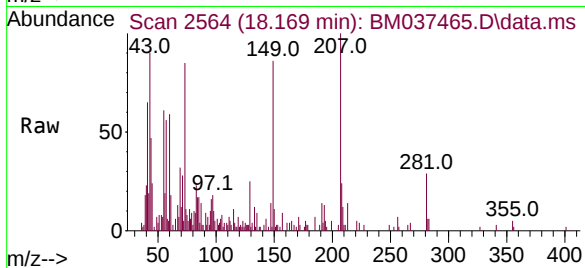
Tgt Ion:149 Resp: 10360

Ion Ratio Lower Upper

149 100

150 12.4 7.4 11.0#

104 7.1 4.0 6.0#



#75

Fluoranthene

Concen: 0.002 ng

RT: 19.139 min Scan# 2729

Delta R.T. -0.117 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

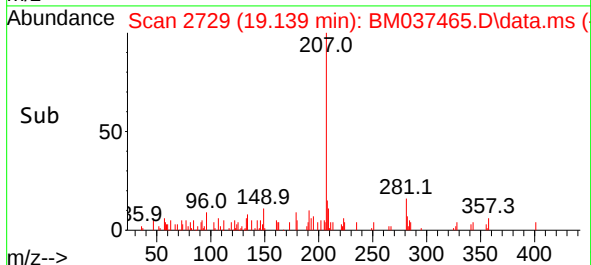
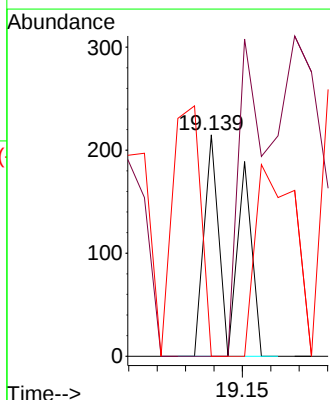
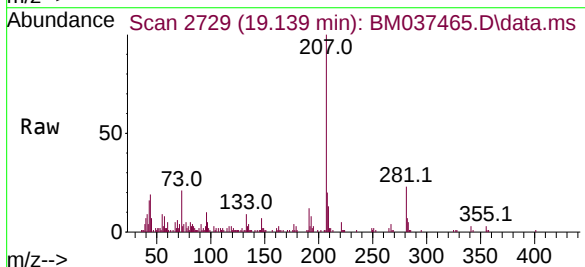
Tgt Ion:202 Resp: 143

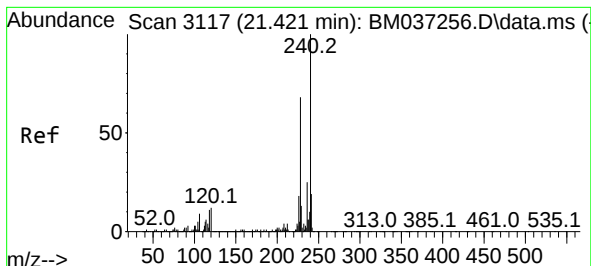
Ion Ratio Lower Upper

202 100

101 0.0 0.0 32.4

203 0.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

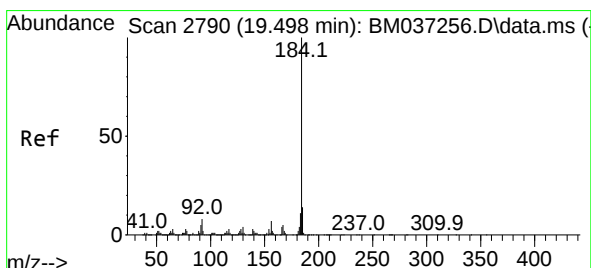
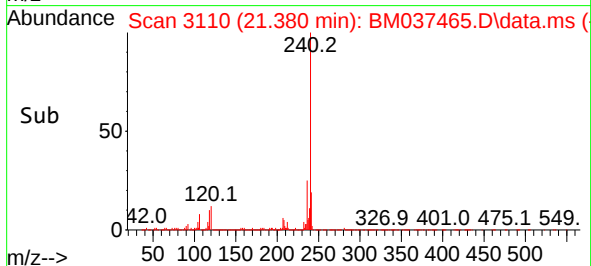
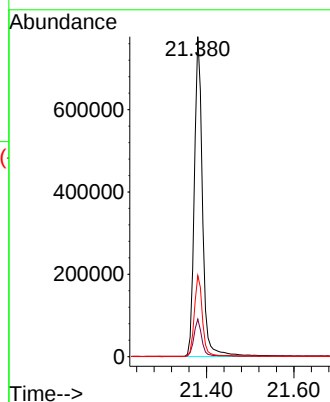
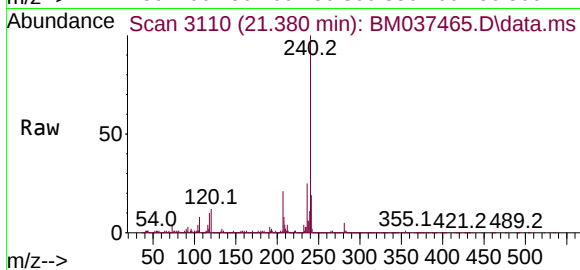
Tgt Ion:240 Resp: 1014795

Ion Ratio Lower Upper

240 100

120 11.7 9.9 14.9

236 25.3 20.3 30.5



#77

Benzidine

Concen: 0.004 ng

RT: 19.392 min Scan# 2772

Delta R.T. -0.064 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

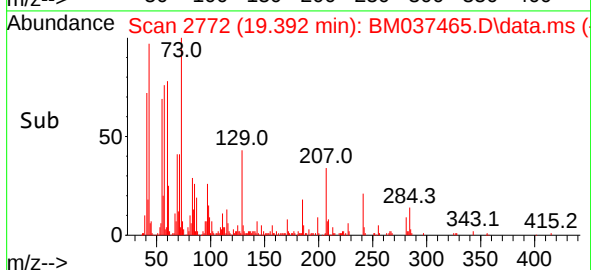
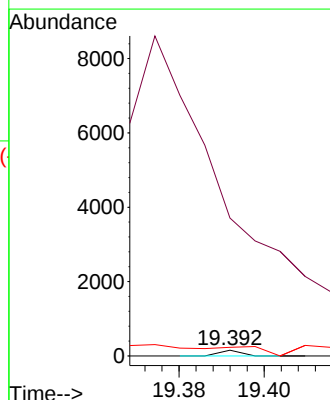
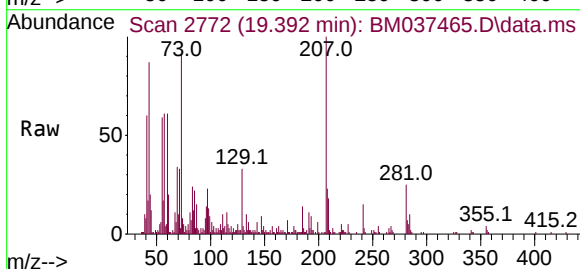
Tgt Ion:184 Resp: 54

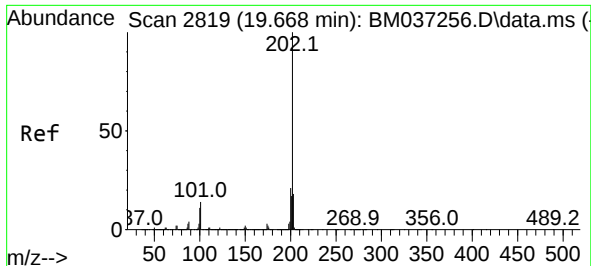
Ion Ratio Lower Upper

184 100

185 2439.5 11.3 16.9#

183 150.7 9.0 13.4#

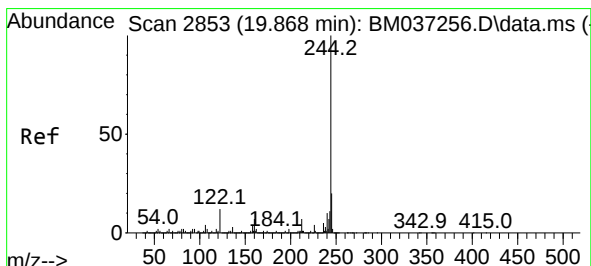
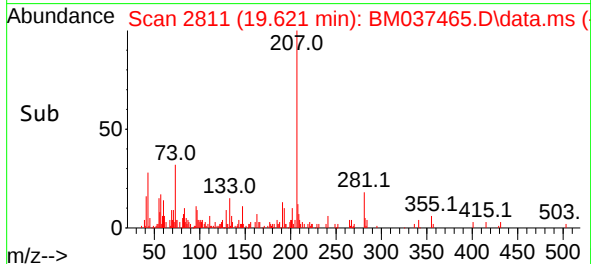
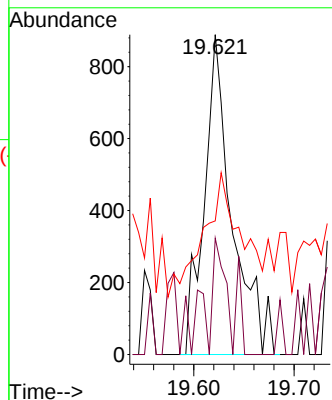
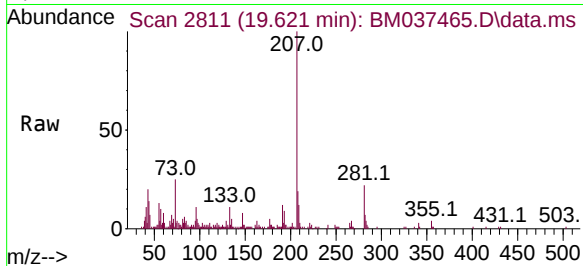




#78
 Pyrene
 Concen: 0.022 ng
 RT: 19.621 min Scan# 2811
 Delta R.T. 0.000 min
 Lab File: BM037465.D
 Acq: 11 Nov 2022 13:51

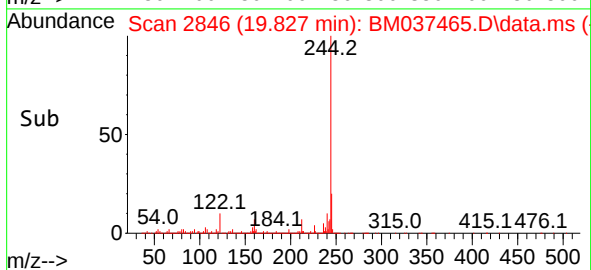
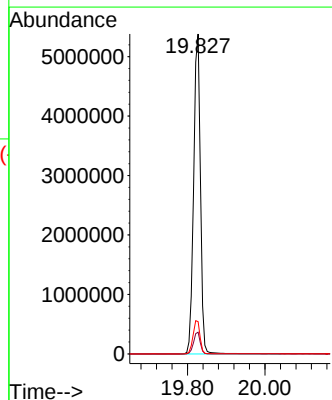
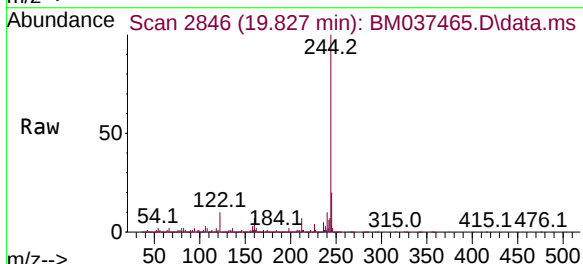
Instrument :
 BNA_M
 ClientSampleId :
 NMS-SOIL-1108

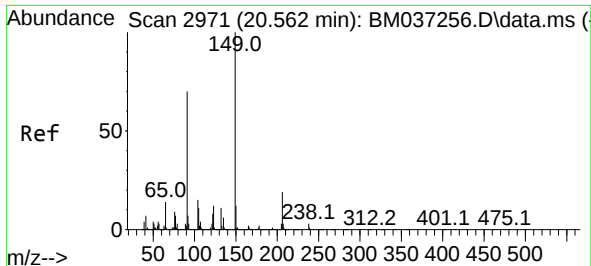
Tgt Ion:202 Resp: 1717
 Ion Ratio Lower Upper
 202 100
 200 36.3 17.0 25.6#
 203 41.7 14.1 21.1#



#79
 Terphenyl-d14
 Concen: 114.996 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BM037465.D
 Acq: 11 Nov 2022 13:51

Tgt Ion:244 Resp: 6507522
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.1 9.4 14.2

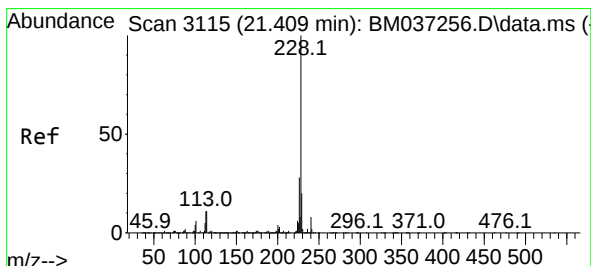
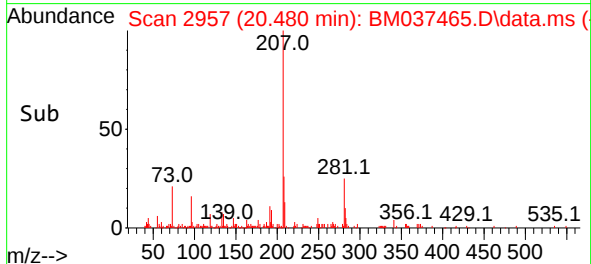
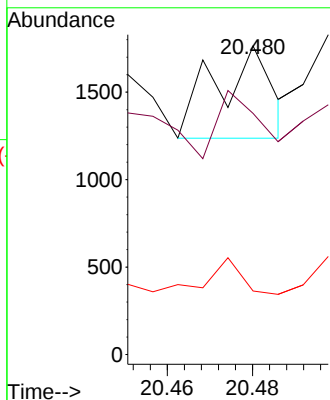
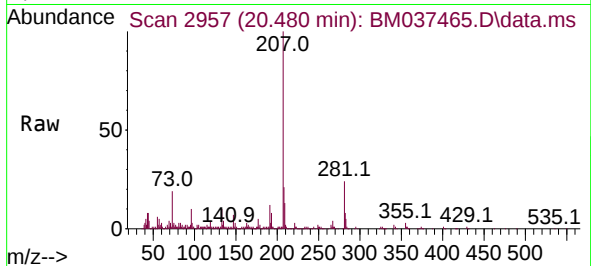




#80
Butylbenzylphthalate
Concen: 0.017 ng
RT: 20.480 min Scan# 2971
Delta R.T. -0.041 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

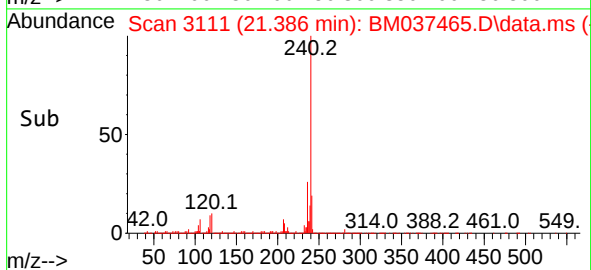
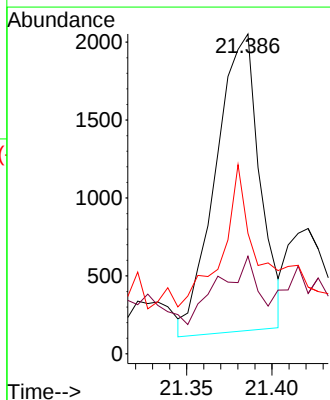
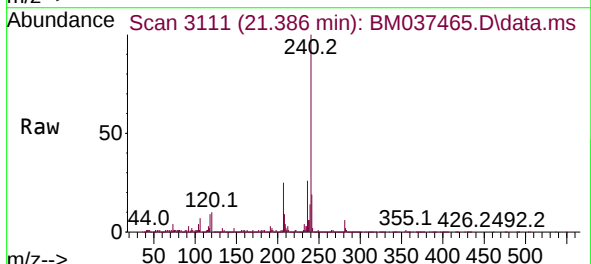
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

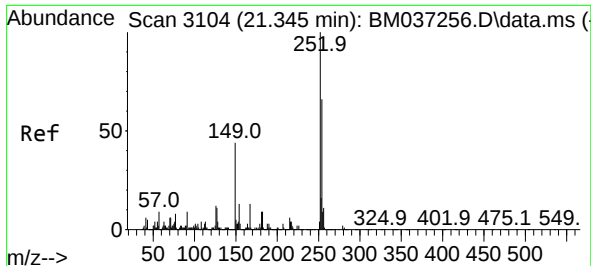
Tgt Ion:149 Resp: 484
Ion Ratio Lower Upper
149 100
91 78.2 56.2 84.4
206 20.6 15.4 23.0



#81
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.386 min Scan# 3111
Delta R.T. 0.018 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:228 Resp: 3438
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 37.7 16.2 24.2#

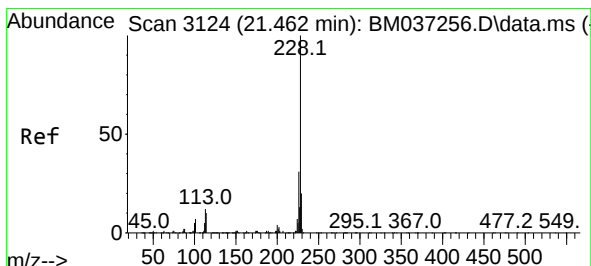
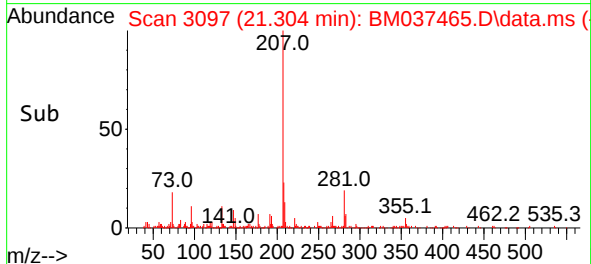
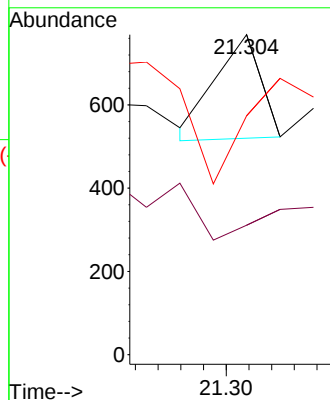
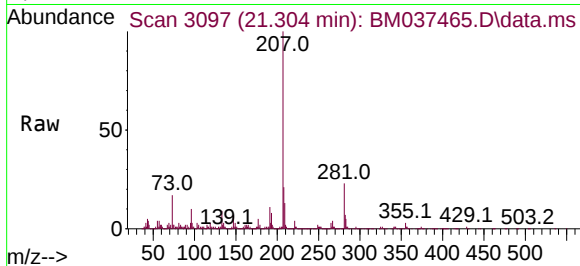




#82
 3,3'-Dichlorobenzidine
 Concen: 0.007 ng
 RT: 21.304 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM037465.D
 Acq: 11 Nov 2022 13:51

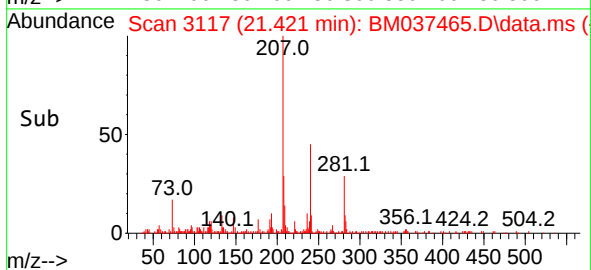
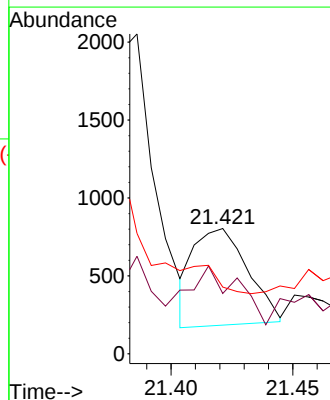
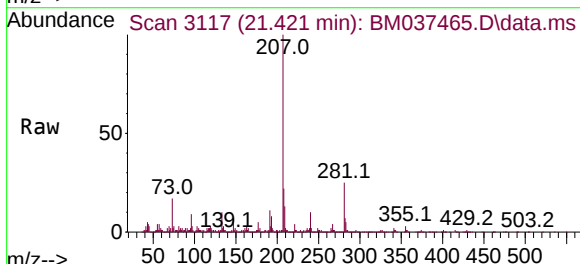
Instrument :
 BNA_M
 ClientSampleId :
 NMS-SOIL-1108

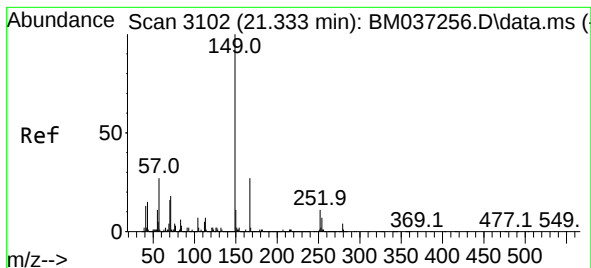
Tgt Ion:252 Resp: 139
 Ion Ratio Lower Upper
 252 100
 254 40.4 52.7 79.1#
 126 74.6 9.8 14.6#



#83
 Chrysene
 Concen: 0.014 ng
 RT: 21.421 min Scan# 3117
 Delta R.T. 0.000 min
 Lab File: BM037465.D
 Acq: 11 Nov 2022 13:51

Tgt Ion:228 Resp: 967
 Ion Ratio Lower Upper
 228 100
 226 48.1 24.4 36.6#
 229 53.2 16.0 24.0#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.152 ng

RT: 21.292 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

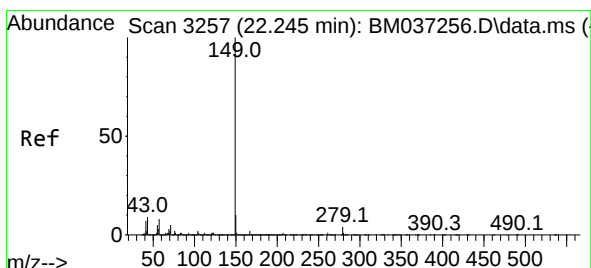
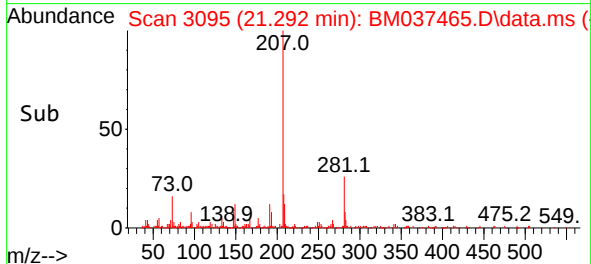
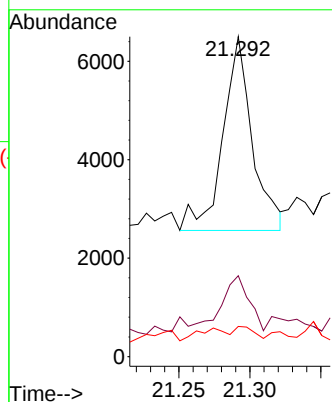
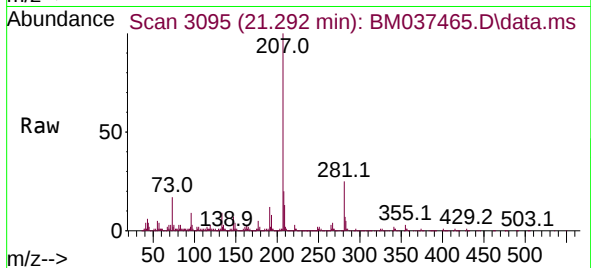
Tgt Ion:149 Resp: 5682

Ion Ratio Lower Upper

149 100

167 25.3 21.2 31.8

279 9.4 3.1 4.7#



#85

Di-n-octyl phthalate

Concen: 0.013 ng

RT: 22.186 min Scan# 3247

Delta R.T. -0.011 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

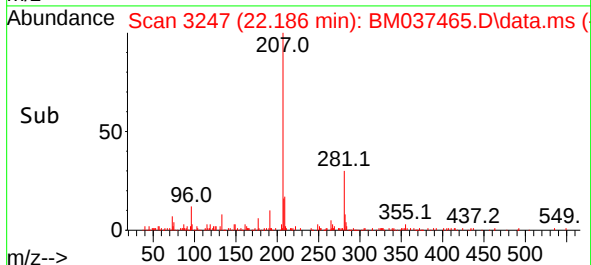
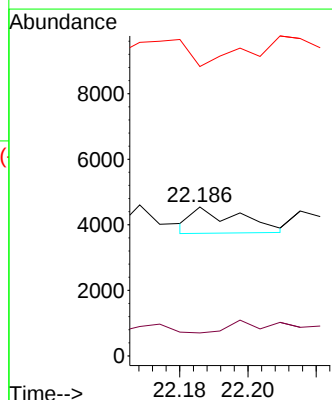
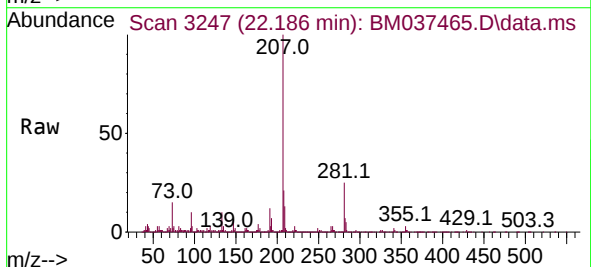
Tgt Ion:149 Resp: 790

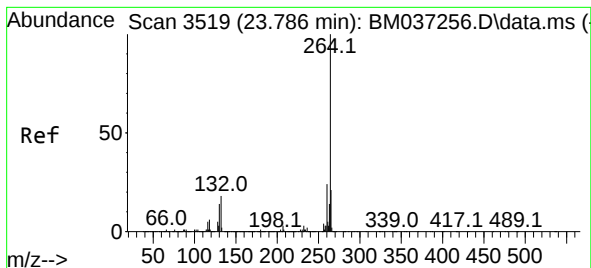
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 141.5 8.0 12.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108

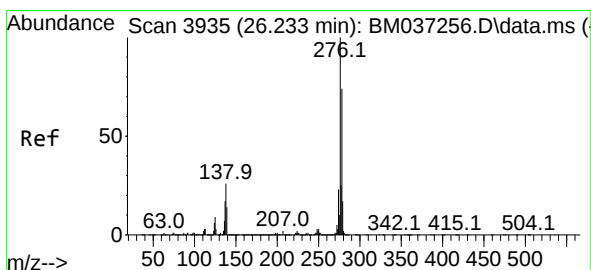
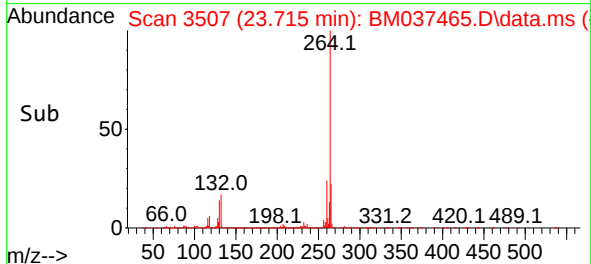
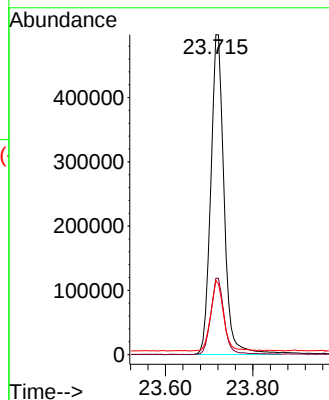
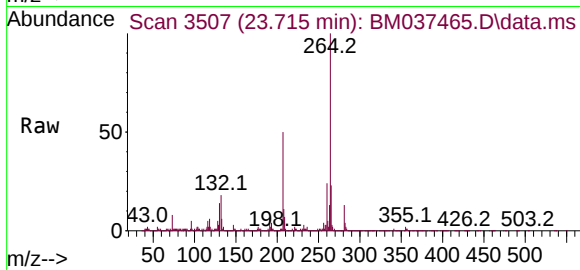
Tgt Ion:264 Resp: 1052595

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 23.1 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 0.007 ng

RT: 26.250 min Scan# 3938

Delta R.T. 0.106 min

Lab File: BM037465.D

Acq: 11 Nov 2022 13:51

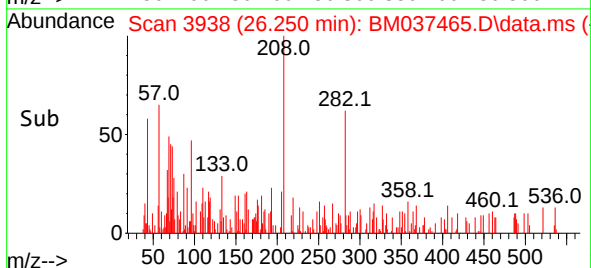
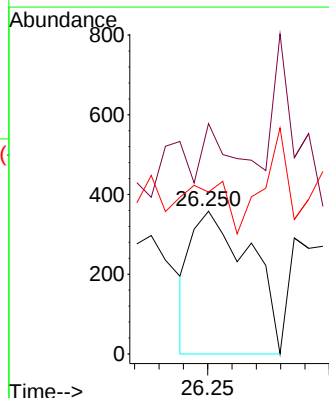
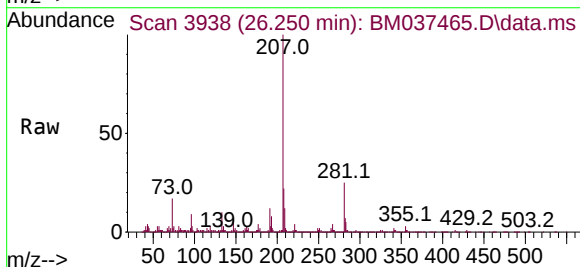
Tgt Ion:276 Resp: 601

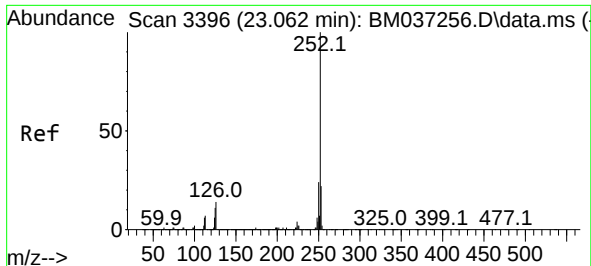
Ion Ratio Lower Upper

276 100

138 30.1 21.5 32.3

277 21.1 20.1 30.1

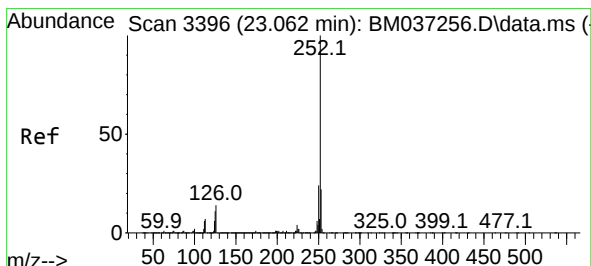
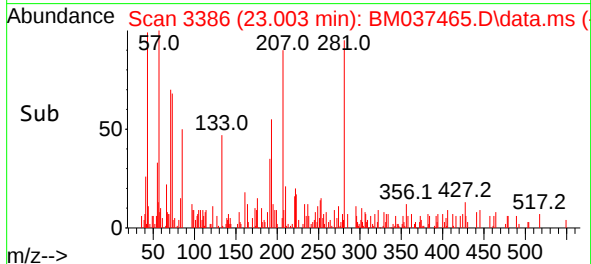
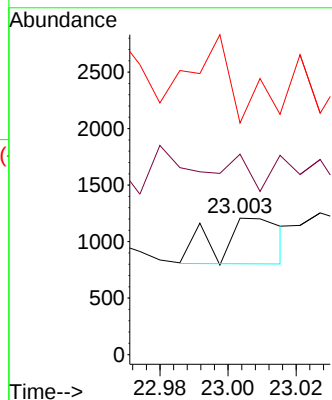
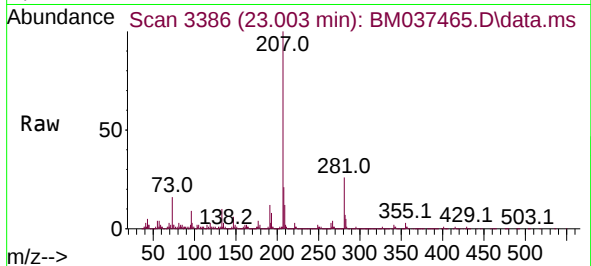




#88
Benzo(b)fluoranthene
Concen: 0.007 ng
RT: 23.003 min Scan# 3386
Delta R.T. -0.011 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

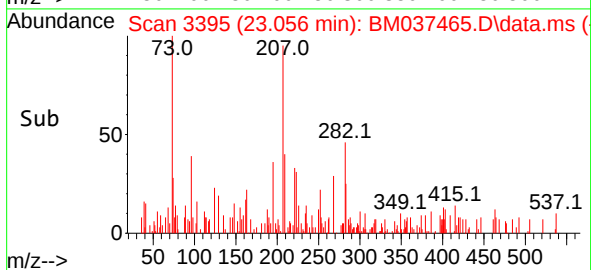
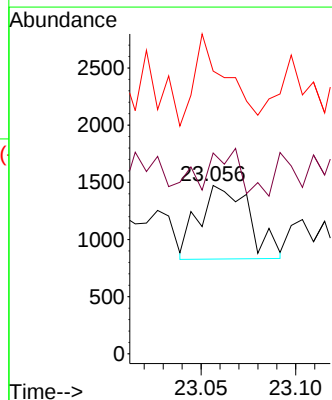
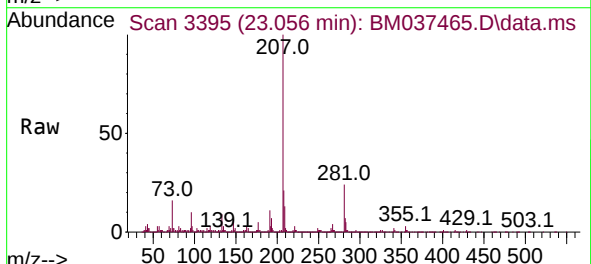
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

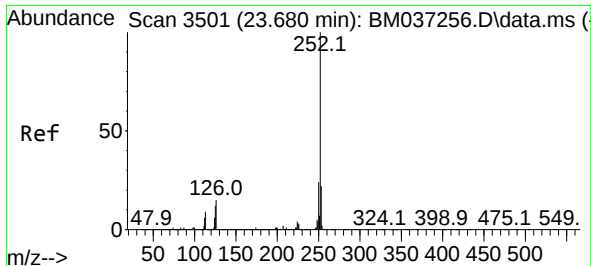
Tgt Ion:252 Resp: 522
Ion Ratio Lower Upper
252 100
253 147.0 17.8 26.6#
125 169.8 9.1 13.7#



#89
Benzo(k)fluoranthene
Concen: 0.016 ng
RT: 23.056 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:252 Resp: 1187
Ion Ratio Lower Upper
252 100
253 119.4 17.8 26.6#
125 168.0 9.1 13.7#

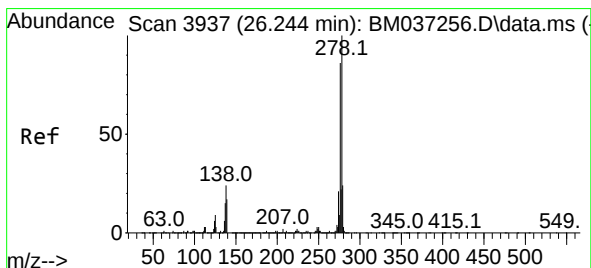
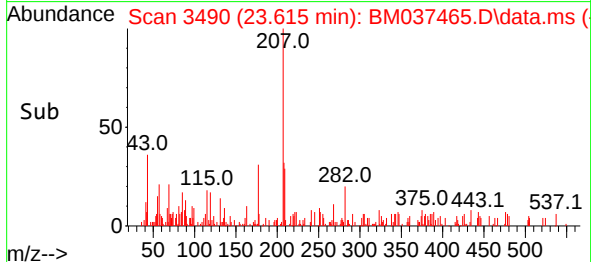
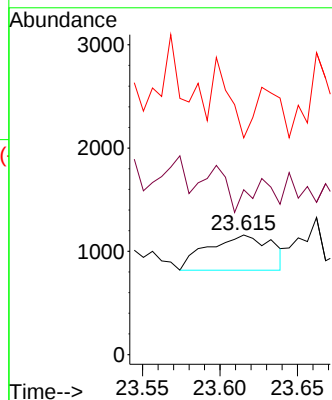
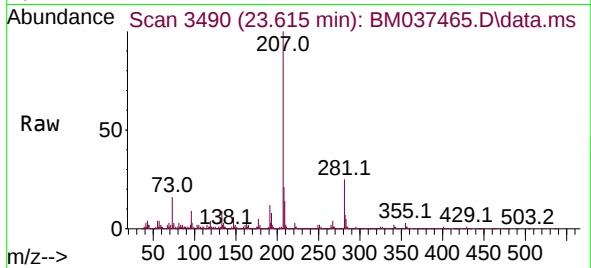




#90
Benzo(a)pyrene
Concen: 0.016 ng
RT: 23.615 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

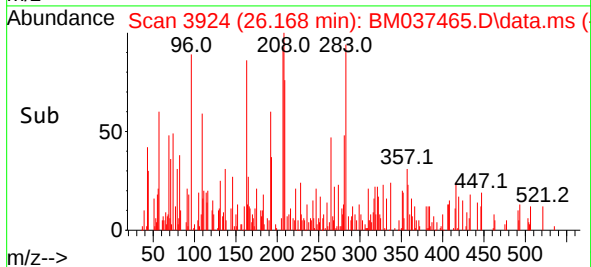
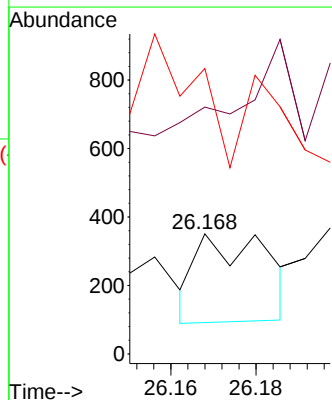
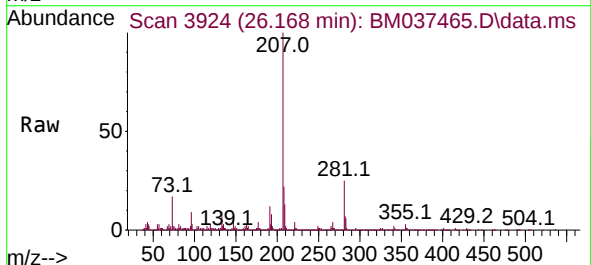
Instrument :
BNA_M
ClientSampleId :
NMS-SOIL-1108

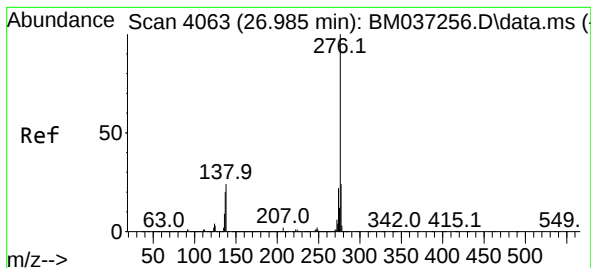
Tgt Ion:252 Resp: 972
Ion Ratio Lower Upper
252 100
253 137.9 17.4 26.2#
125 181.3 9.9 14.9#



#91
Dibenzo(a,h)anthracene
Concen: 0.004 ng
RT: 26.168 min Scan# 3924
Delta R.T. 0.006 min
Lab File: BM037465.D
Acq: 11 Nov 2022 13:51

Tgt Ion:278 Resp: 294
Ion Ratio Lower Upper
278 100
139 205.4 13.8 20.8#
279 237.6 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 0.010 ng

RT: 26.862 min Scan# 40

Delta R.T. -0.023 min

Lab File: BM037465.D

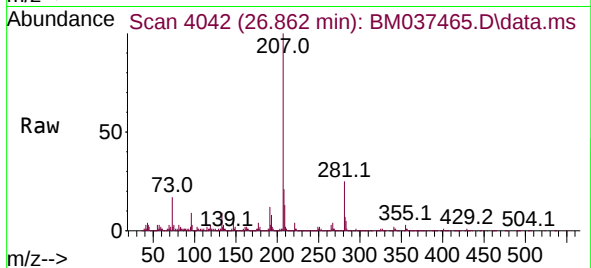
Acq: 11 Nov 2022 13:51

Instrument :

BNA_M

ClientSampleId :

NMS-SOIL-1108



Tgt Ion:276 Resp: 707

Ion Ratio Lower Upper

276 100

277 72.4 19.4 29.2#

138 85.5 18.9 28.3#

