

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111920\
 Data File : BF122386.D
 Acq On : 19 Nov 2020 18:06
 Operator : JU/CG
 Sample : L4776-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Quant Time: Nov 20 00:02:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

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

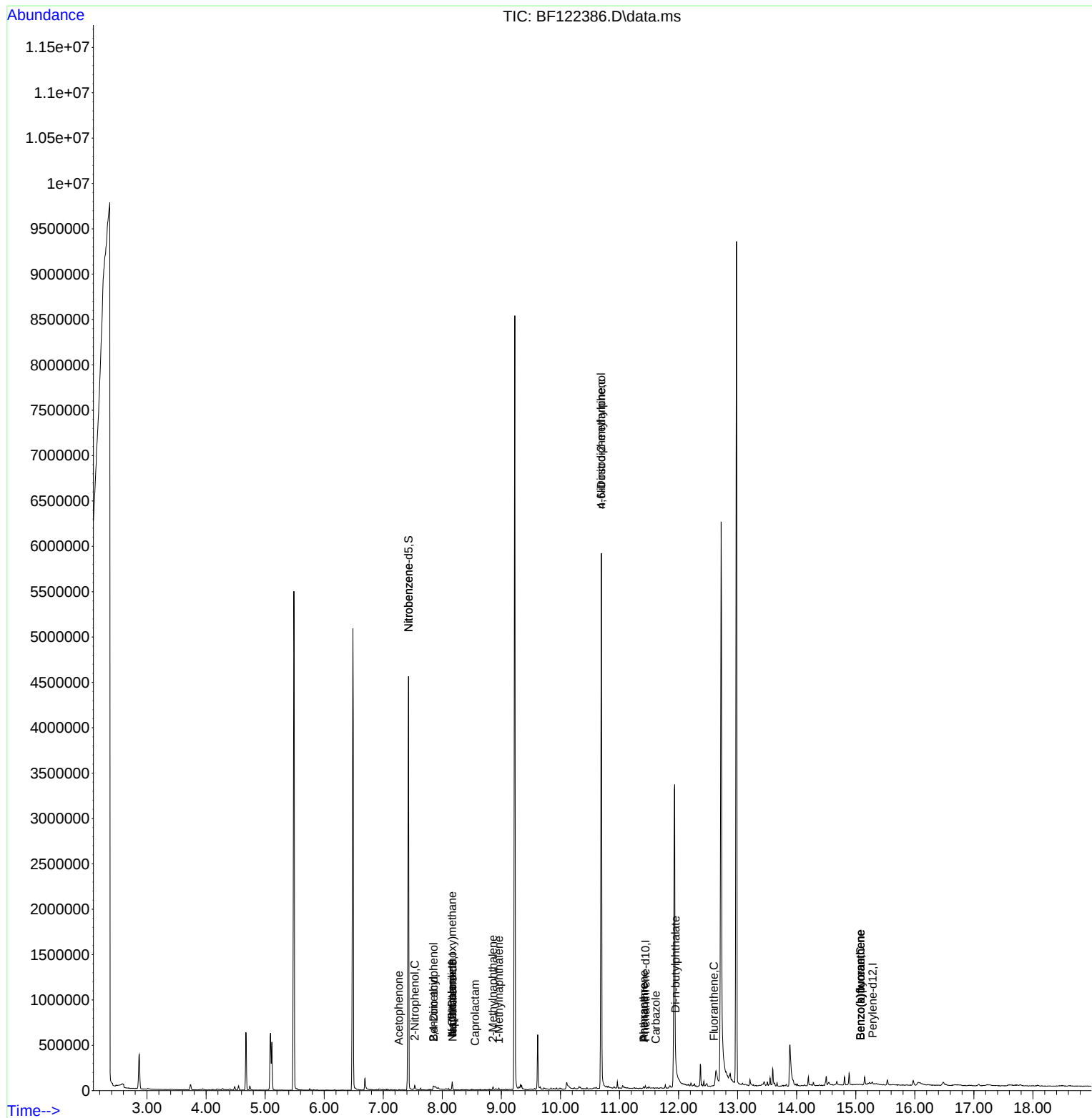
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ng	-6.87
21) Naphthalene-d8	8.175	136	112	20.00	ng	# 0.02
39) Acenaphthene-d10	0.000	164	0	0.00	ng	-9.91
64) Phenanthrene-d10	11.439	188	491	20.00	ng	# 0.05
76) Chrysene-d12	0.000	240	0	0.00	ng	-14.03
86) Perylene-d12	15.286	264	388	20.00	ng	#-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1776303	0.00	ng	0.01
7) Phenol-d6	6.486	99	2062925	0.00	ng	0.00
23) Nitrobenzene-d5	7.428	82	1540774	842194.40	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	850411	0.00	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	2790599	0.00	ng	0.00
79) Terphenyl-d14	12.980	244	3399116	0.00	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	7.263	105	1692	579.99	ng	# 71
24) Nitrobenzene	7.428	77	5190	2479.49	ng	# 32
26) 2-Nitrophenol	7.533	139	153	151.28	ng	# 34
27) 2,4-Dimethylphenol	7.851	122	22244	11563.12	ng	# 4
28) bis(2-Chloroethoxy)met...	8.169	93	703	281.81	ng	# 49
31) Naphthalene	8.169	128	36427	6117.52	ng	97
32) Benzoic acid	7.851	122	22244	17431.51	ng	98
33) 4-Chloroaniline	8.169	127	4675	1802.75	ng	# 33
35) Caprolactam	8.557	113	125	231.55	ng	# 81
37) 2-Methylnaphthalene	8.857	142	6945	1765.43	ng	93
38) 1-Methylnaphthalene	8.957	142	5231	1420.56	ng	# 88
65) 4,6-Dinitro-2-methylph...	10.692	198	1727	272.51	ng	# 1
66) n-Nitrosodiphenylamine	10.692	169	22579	1349.68	ng	# 48
71) Phenanthrene	11.410	178	6960	249.84	ng	98
72) Anthracene	11.410	178	6960	242.41	ng	98
73) Carbazole	11.616	167	442	16.92	ng	# 58
74) Di-n-butylphthalate	11.951	149	9050	325.01	ng	# 98
75) Fluoranthene	12.598	202	1265	43.50	ng	86
88) Benzo(b)fluoranthene	15.080	252	109	4.34	ng	# 59
89) Benzo(k)fluoranthene	15.080	252	109	4.45	ng	# 60
90) Benzo(a)pyrene	15.080	252	109	4.98	ng	# 60

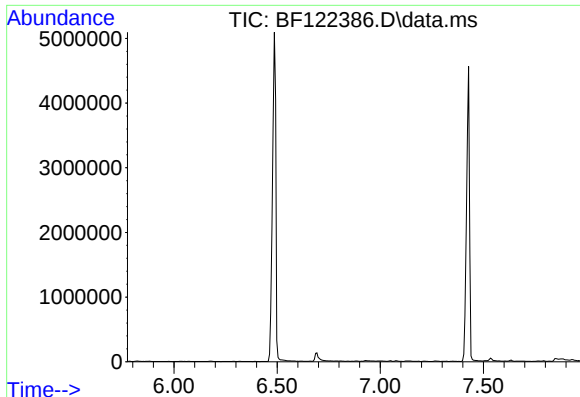
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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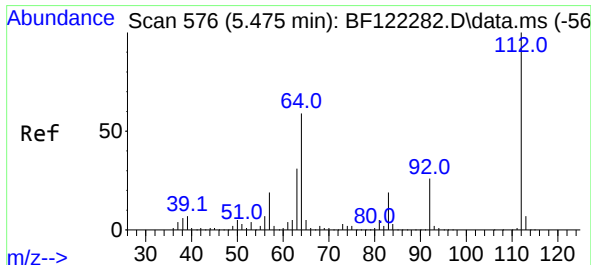
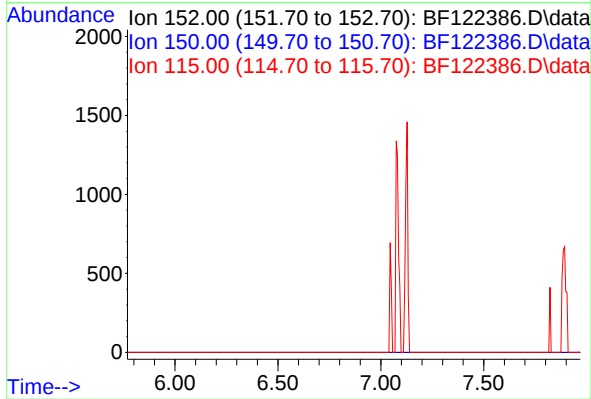


#1
1,4-Dichlorobenzene-d4
Concen: 0.00 ng
Expected RT: 6.87 min

Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

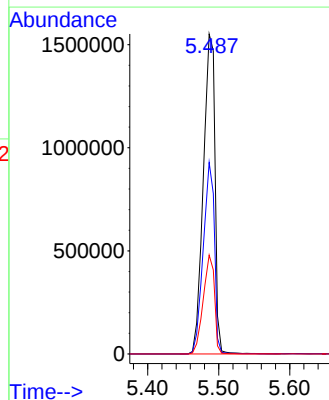
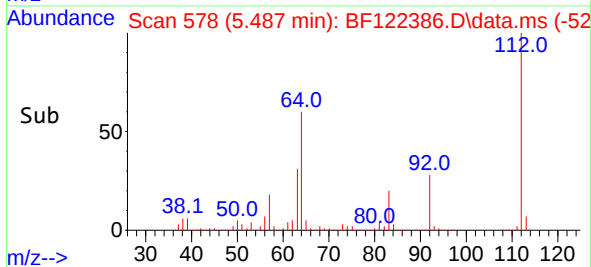
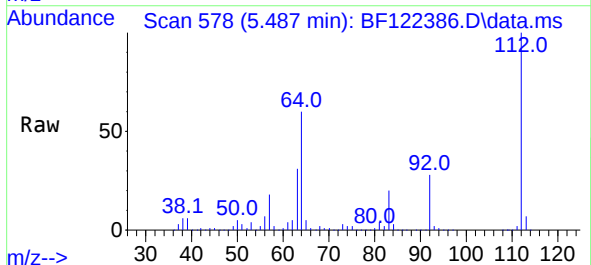
Tgt Ion: 152
Sig Exp Ratio
152 100
150 156.6
115 64.9

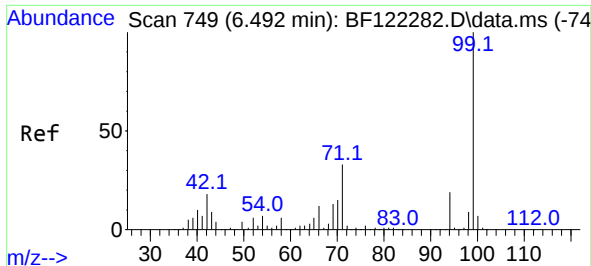
Instrument :
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#5
2-Fluorophenol
Concen: 0.00 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.012 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion: 112 Resp: 1776303
Ion Ratio Lower Upper
112 100
64 59.8 50.4 75.6
63 30.9 25.8 38.6



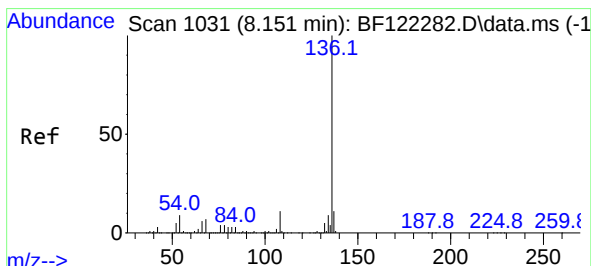
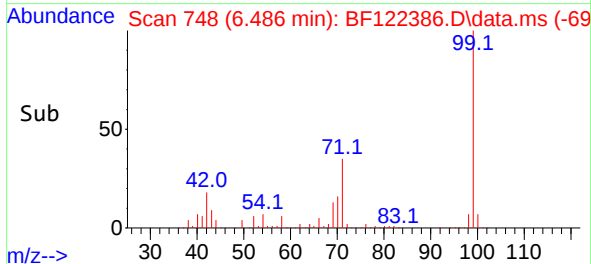
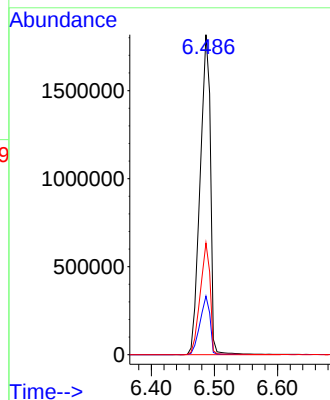
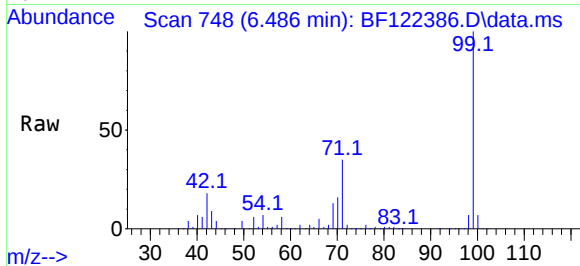


#7
Phenol-d6
Concen: 0.00 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

Tgt Ion: 99 Resp: 2062925

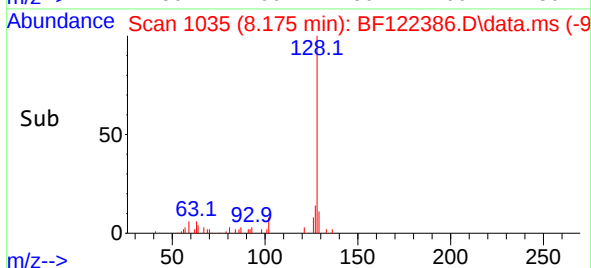
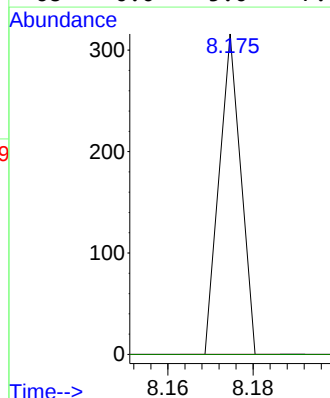
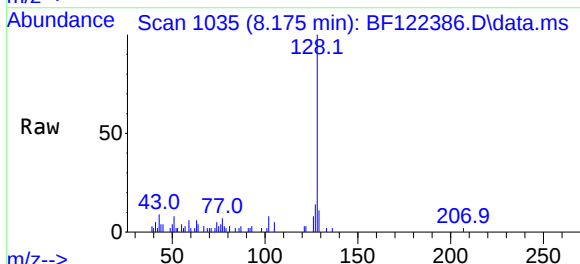
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.9	23.9
71	34.9	27.1	40.7

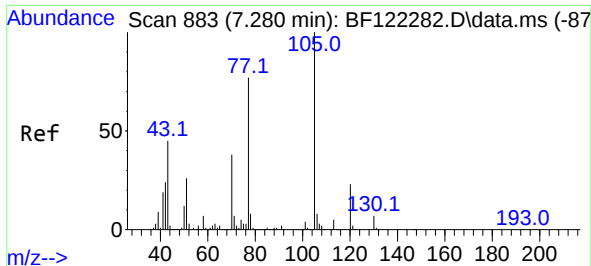


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.024 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion: 136 Resp: 112

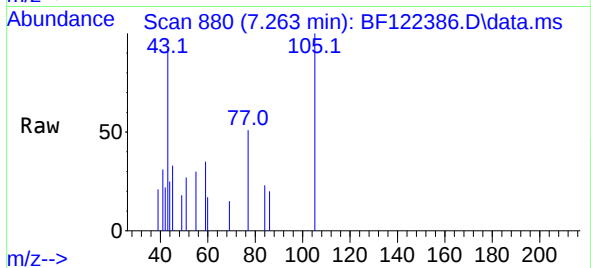
Ion	Ratio	Lower	Upper
136	100		
137	0.0	8.6	13.0#
54	0.0	7.1	10.7#
68	0.0	5.0	7.4#





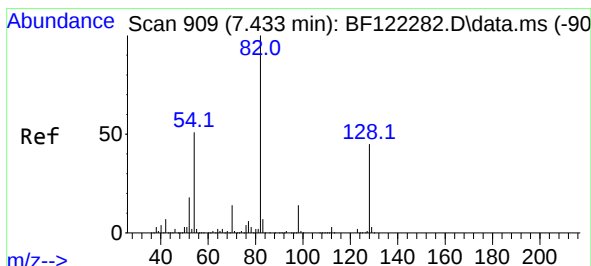
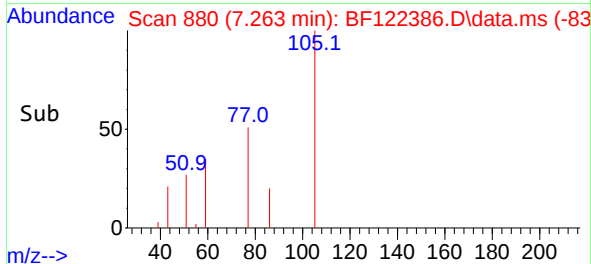
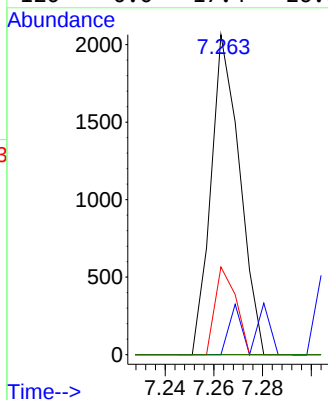
#22
Acetophenone
Concen: 579.99 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.017 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Instrument :
BNA_F
ClientSampleId :
ND-SOIL



Tgt Ion:105 Resp: 1692

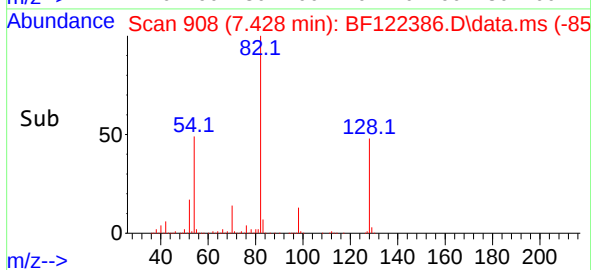
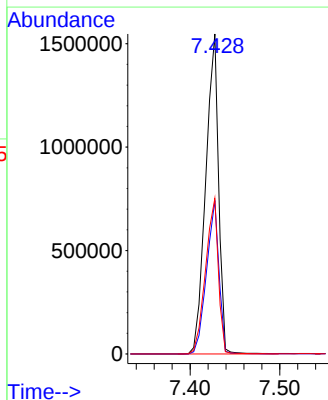
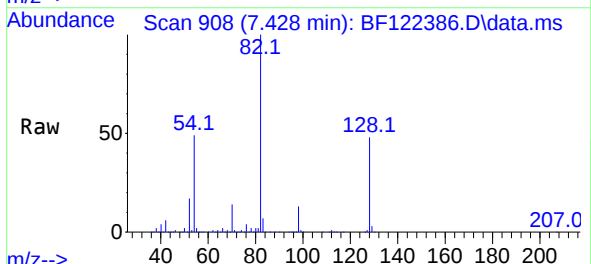
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.3	7.9#
51	27.4	33.2	49.8#
120	0.0	17.4	26.0#

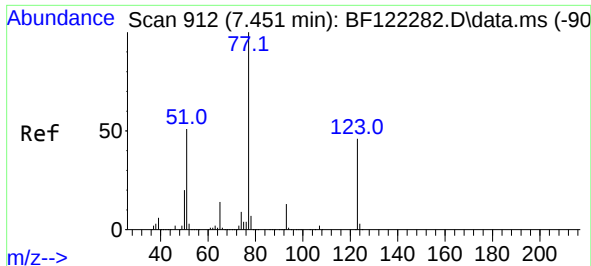


#23
Nitrobenzene-d5
Concen: 842194.40 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion: 82 Resp: 1540774

Ion	Ratio	Lower	Upper
82	100		
128	48.0	35.0	52.4
54	48.6	43.9	65.9

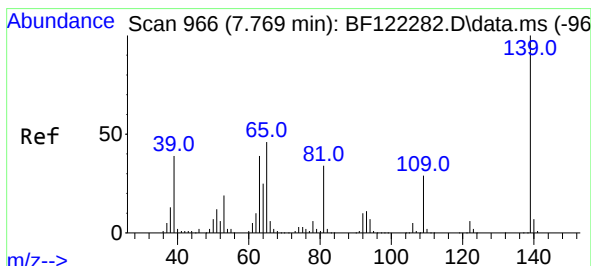
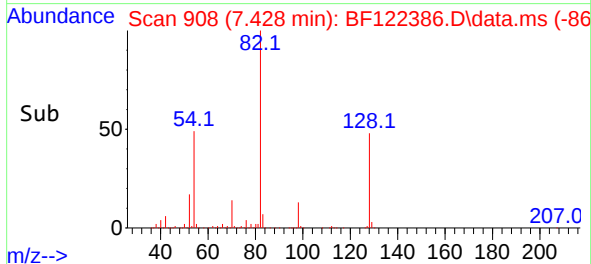
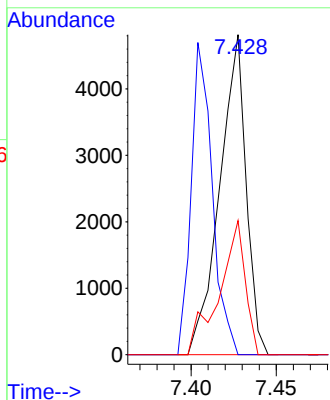
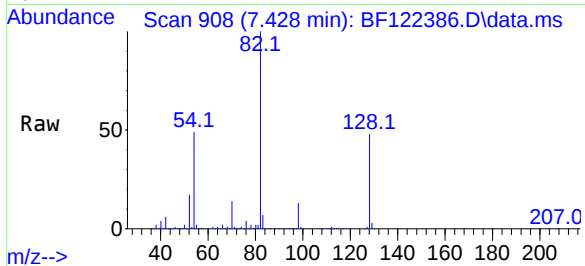




#24
Nitrobenzene
Concen: 2479.49 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.023 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

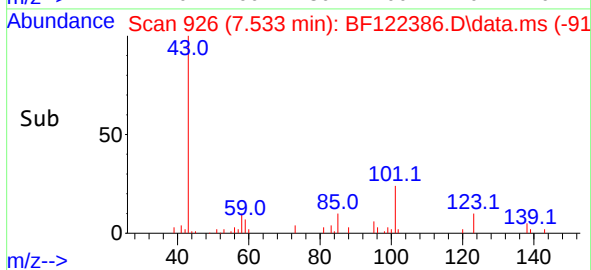
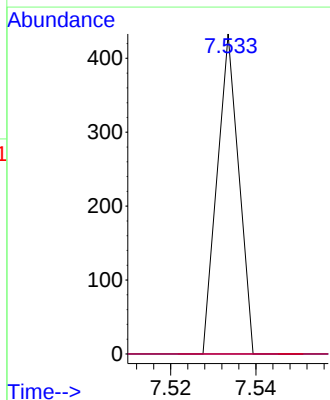
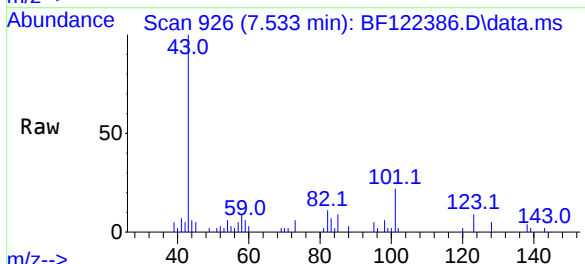
Instrument :
BNA_F
ClientSampleId :
ND-SOIL

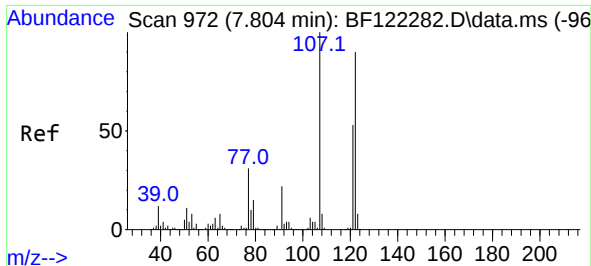
Tgt Ion: 77 Resp: 5190
Ion Ratio Lower Upper
77 100
123 0.0 35.6 53.4#
65 41.9 11.2 16.8#



#26
2-Nitrophenol
Concen: 151.28 ng
RT: 7.533 min Scan# 926
Delta R.T. -0.236 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:139 Resp: 153
Ion Ratio Lower Upper
139 100
109 0.0 23.0 34.4#
65 0.0 39.9 59.9#

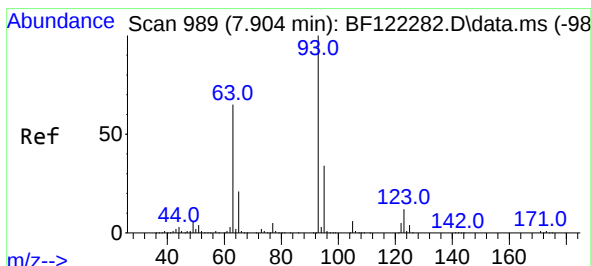
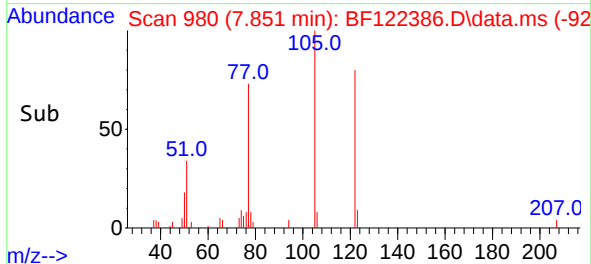
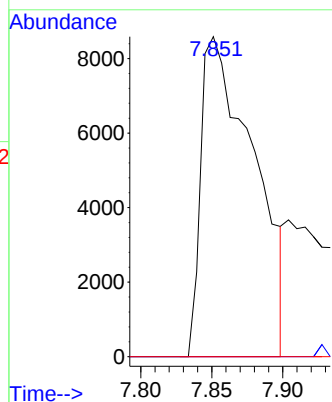
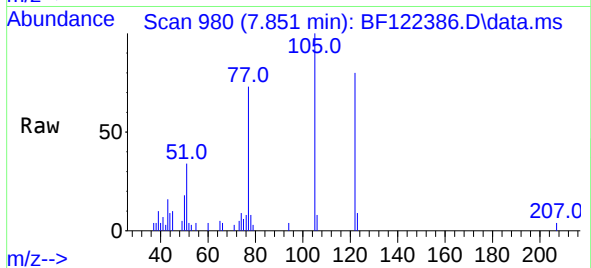




#27
2,4-Dimethylphenol
Concen: 11563.12 ng
RT: 7.851 min Scan# 980
Delta R.T. 0.047 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

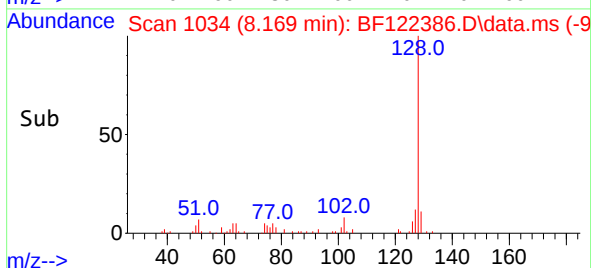
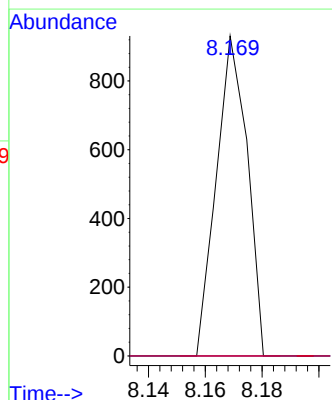
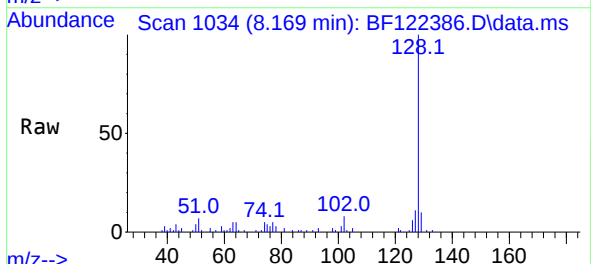
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ClientSampleId :
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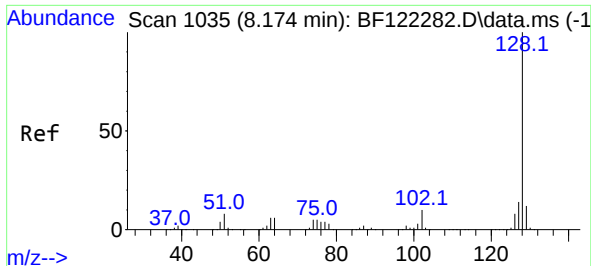
Tgt Ion:122 Resp: 22244
Ion Ratio Lower Upper
122 100
107 0.0 90.8 136.2#
121 0.0 47.5 71.3#



#28
bis(2-Chloroethoxy)methane
Concen: 281.81 ng
RT: 8.169 min Scan# 1034
Delta R.T. 0.265 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion: 93 Resp: 703
Ion Ratio Lower Upper
93 100
95 0.0 26.2 39.4#
123 0.0 8.8 13.2#

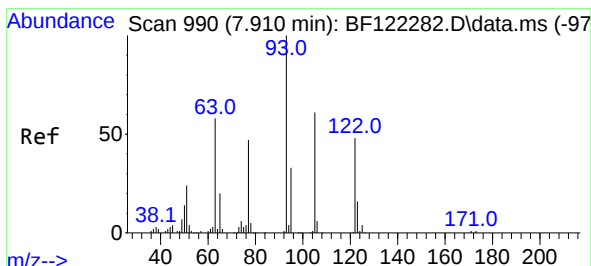
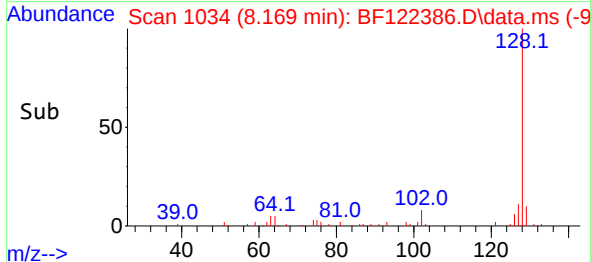
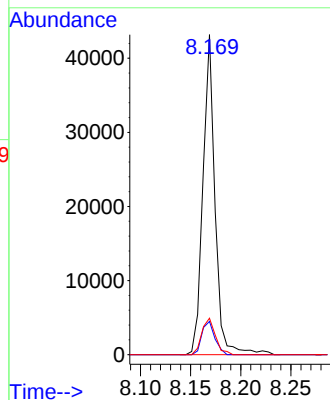
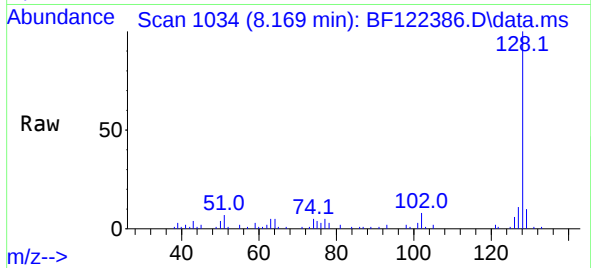




#31
Naphthalene
Concen: 6117.52 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

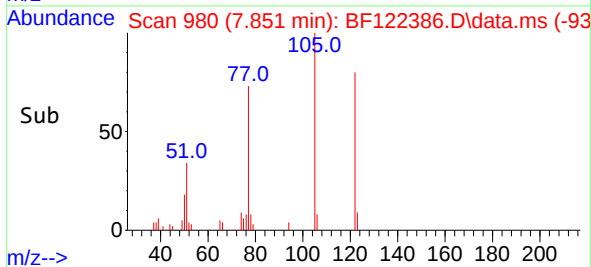
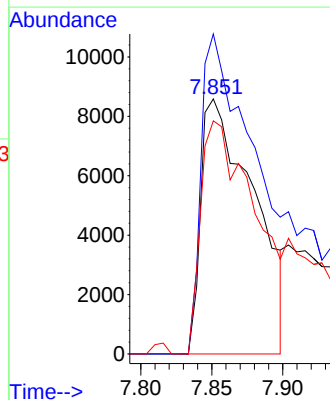
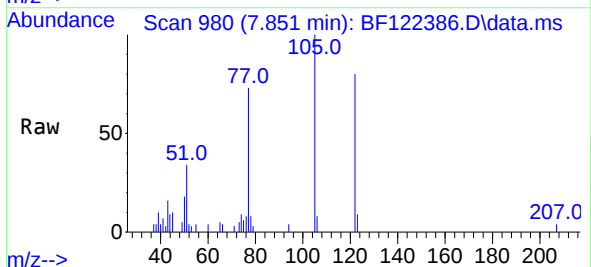
Instrument :
BNA_F
ClientSampled :
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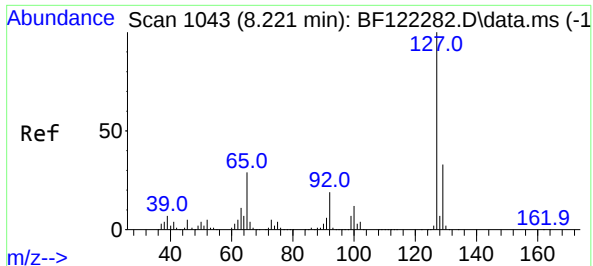
Tgt Ion:128	Resp:	36427
Ion	Ratio	Lower Upper
128	100	
129	10.4	8.7 13.1
127	11.4	10.8 16.2



#32
Benzoic acid
Concen: 17431.51 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:122	Resp:	22244
Ion	Ratio	Lower Upper
122	100	
105	125.5	103.3 143.3
77	91.4	73.9 113.9

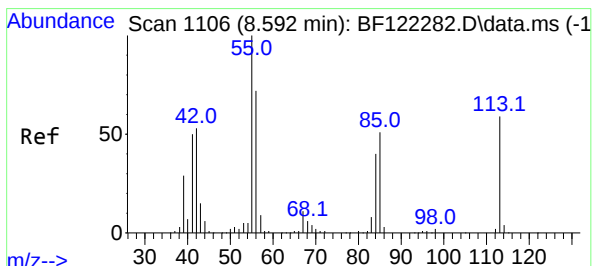
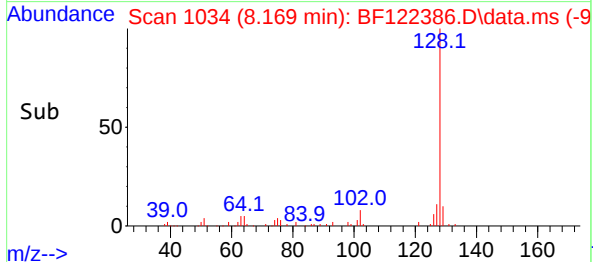
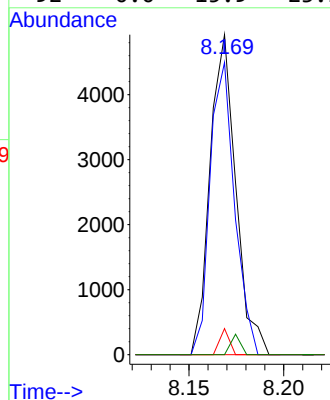
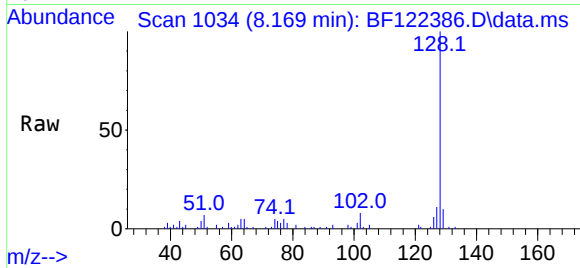




#33
4-Chloroaniline
Concen: 1802.75 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

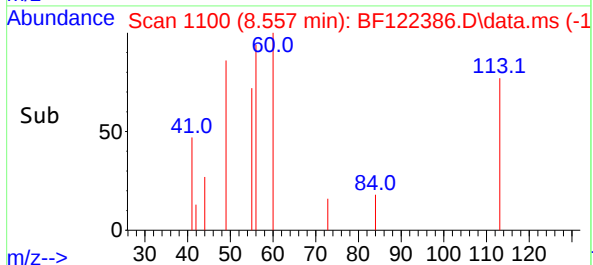
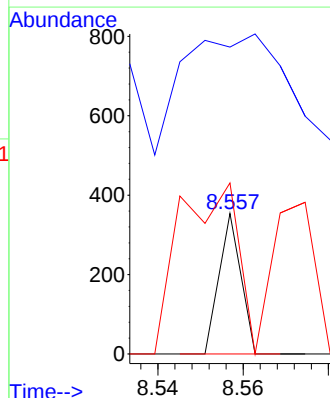
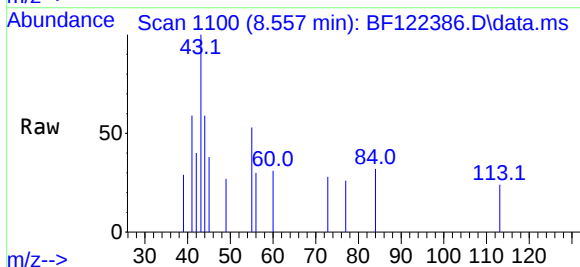
Instrument :
BNA_F
ClientSampled :
ND-SOIL

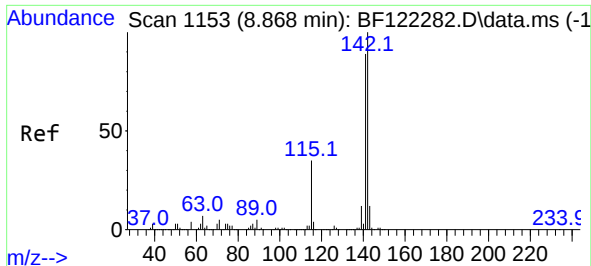
Tgt Ion:	127	Resp:	4675
Ion	Ratio	Lower	Upper
127	100		
129	91.3	26.3	39.5#
65	8.1	26.2	39.2#
92	0.0	15.9	23.9#



#35
Caprolactam
Concen: 231.55 ng
RT: 8.557 min Scan# 1100
Delta R.T. -0.035 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:	113	Resp:	125
Ion	Ratio	Lower	Upper
113	100		
55	218.4	167.5	207.5#
56	121.8	121.2	161.2

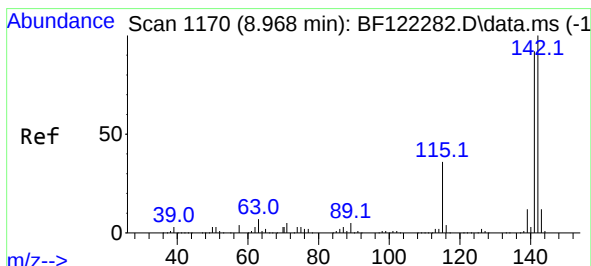
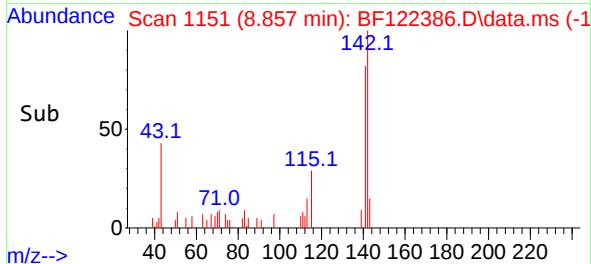
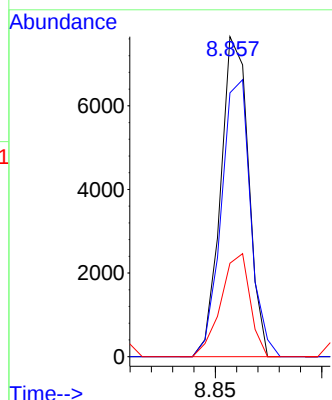
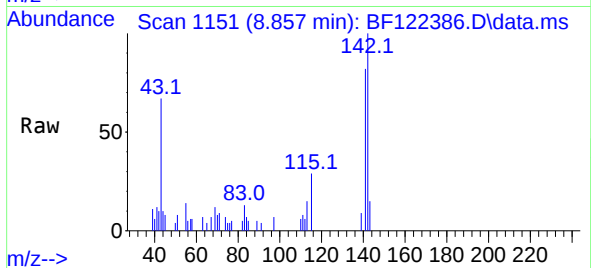




#37
2-Methylnaphthalene
Concen: 1765.43 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.011 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

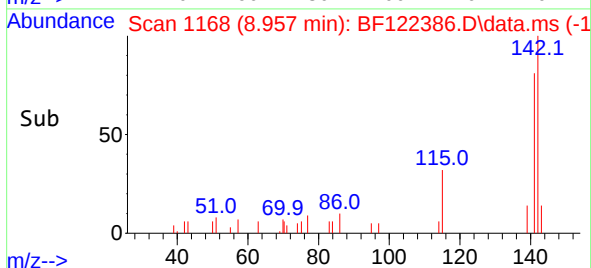
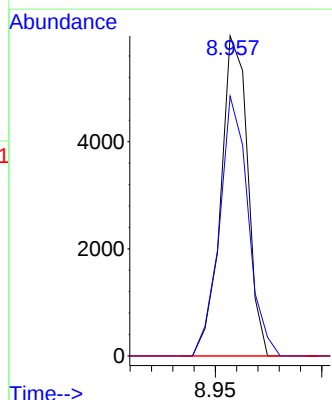
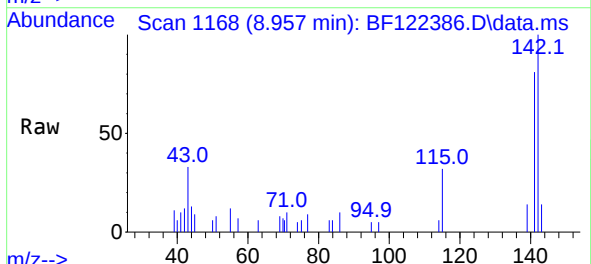
Instrument :
BNA_F
ClientSampled :
ND-SOIL

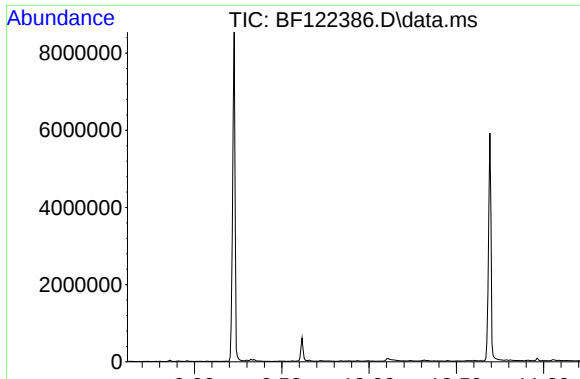
Tgt Ion:142 Resp: 6945
Ion Ratio Lower Upper
142 100
141 82.5 70.2 105.4
115 29.2 28.6 43.0



#38
1-Methylnaphthalene
Concen: 1420.56 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:142 Resp: 5231
Ion Ratio Lower Upper
142 100
141 81.2 74.5 111.7
116 0.0 3.2 4.8#



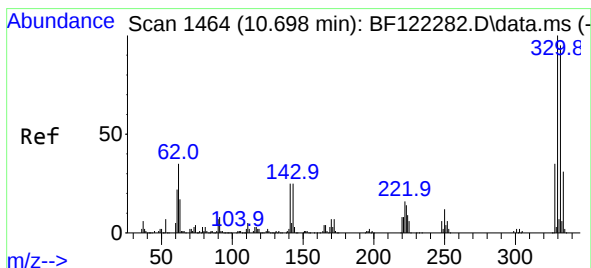
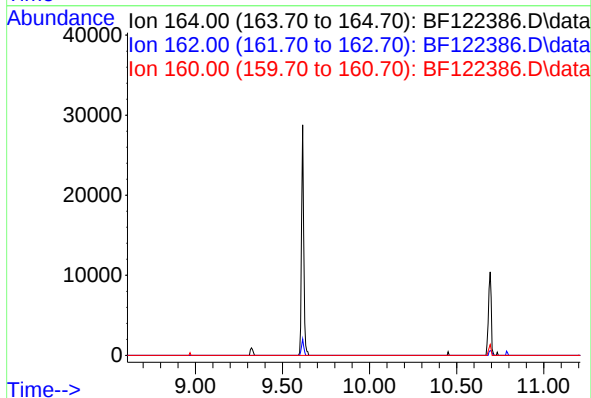


#39
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 9.91 min
 Lab File: BF122386.D
 Acq: 19 Nov 2020 18:06

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Tgt Ion: 164

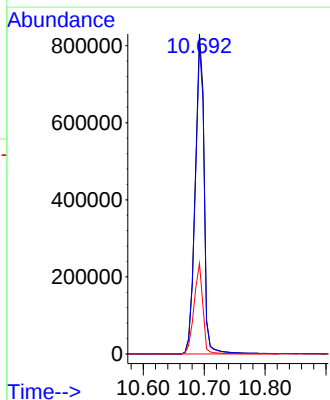
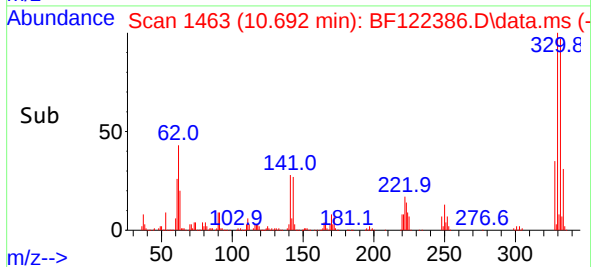
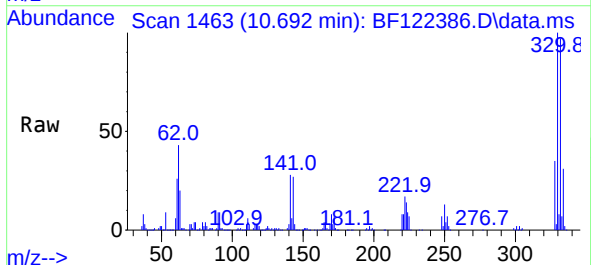
Sig	Exp Ratio
164	100
162	104.0
160	46.9

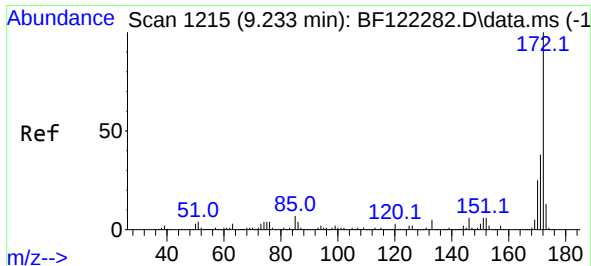


#42
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 RT: 10.692 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF122386.D
 Acq: 19 Nov 2020 18:06

Tgt Ion: 330 Resp: 850411

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	28.1	22.3	33.5

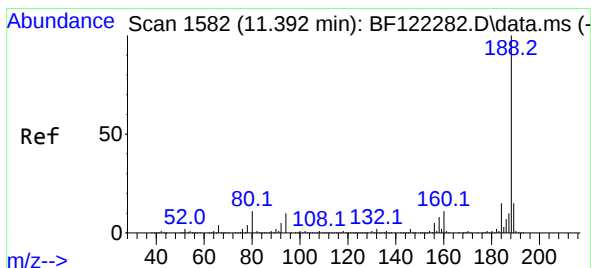
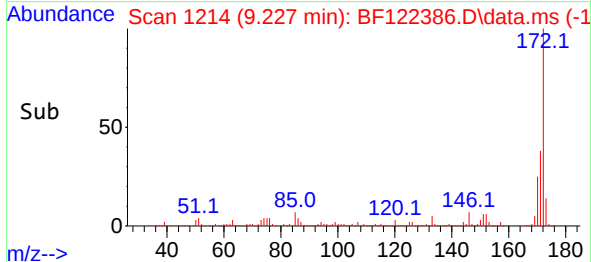
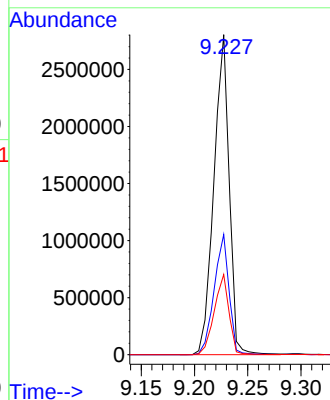
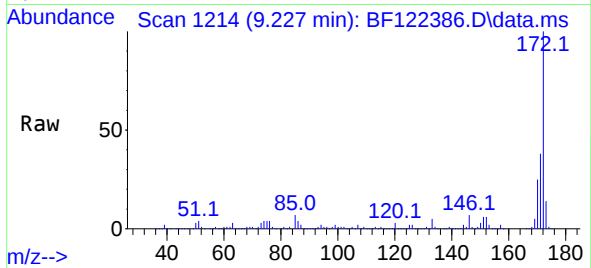




#45
2-Fluorobiphenyl
Concen: 0.00 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

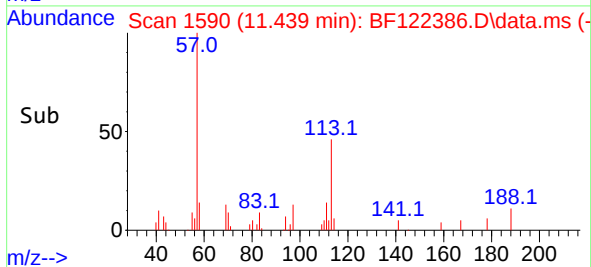
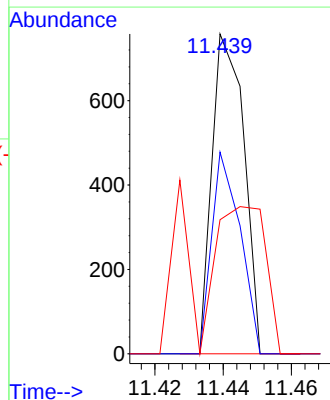
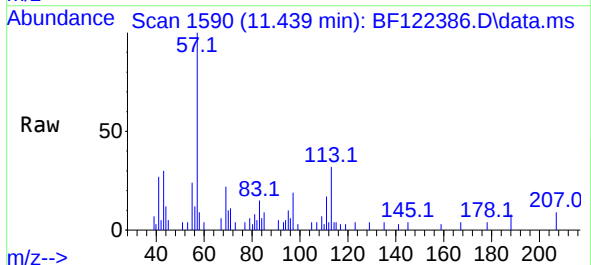
Instrument :
BNA_F
ClientSampleId :
ND-SOIL

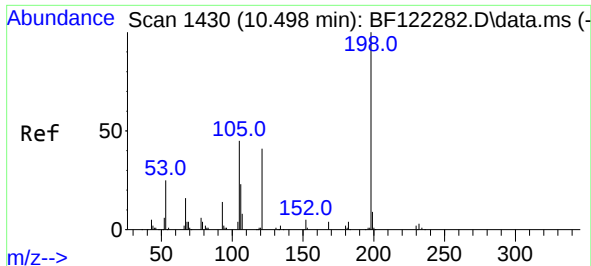
Tgt Ion:172 Resp: 2790599
Ion Ratio Lower Upper
172 100
171 37.6 29.1 43.7
170 25.1 19.8 29.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.047 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:188 Resp: 491
Ion Ratio Lower Upper
188 100
94 63.1 8.3 12.5#
80 42.0 9.1 13.7#

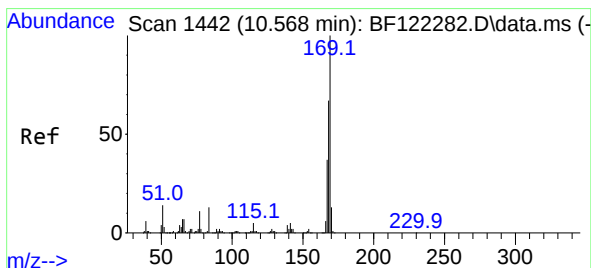
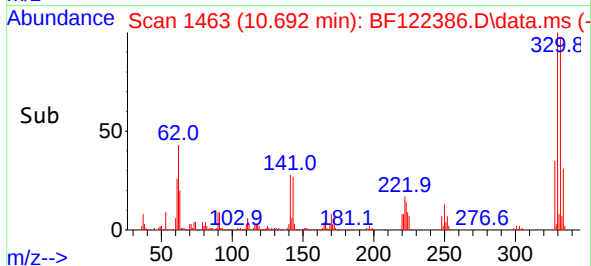
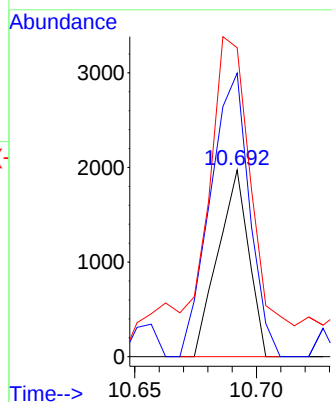
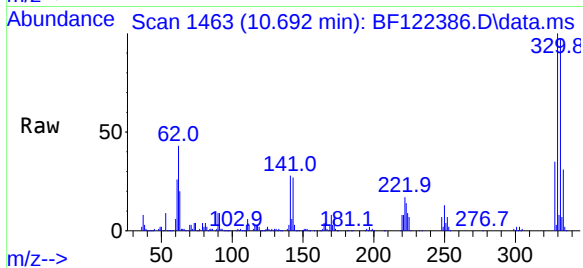




#65
4,6-Dinitro-2-methylphenol
Concen: 272.51 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.194 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

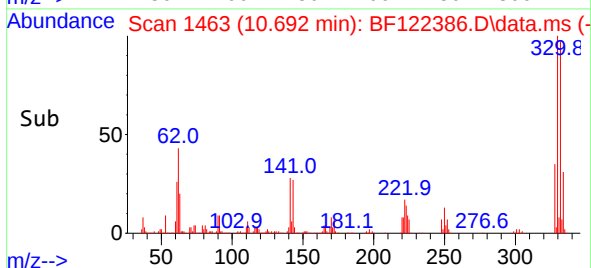
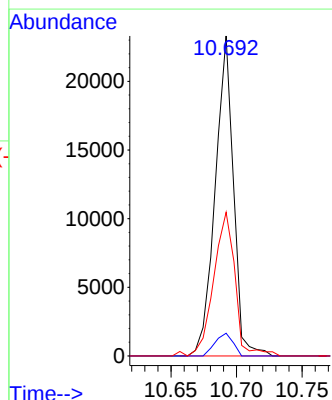
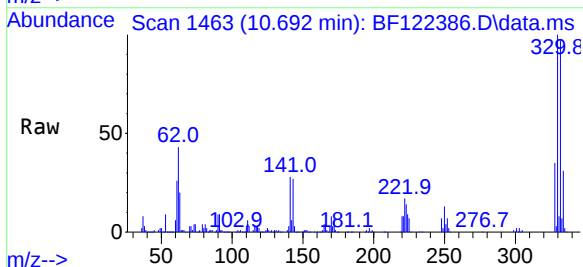
Instrument :
BNA_F
ClientSampled :
ND-SOIL

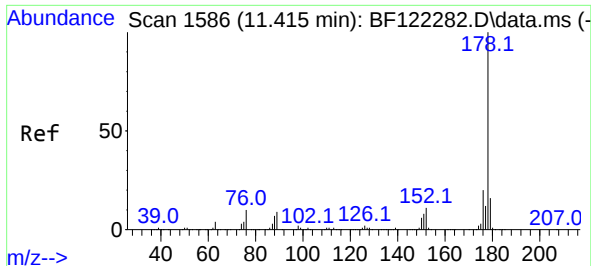
Tgt Ion:198 Resp: 1727
Ion Ratio Lower Upper
198 100
51 151.8 29.6 69.6#
105 165.5 24.4 64.4#



#66
n-Nitrosodiphenylamine
Concen: 1349.68 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.124 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:169 Resp: 22579
Ion Ratio Lower Upper
169 100
168 7.1 50.0 75.0#
167 44.9 27.8 41.6#

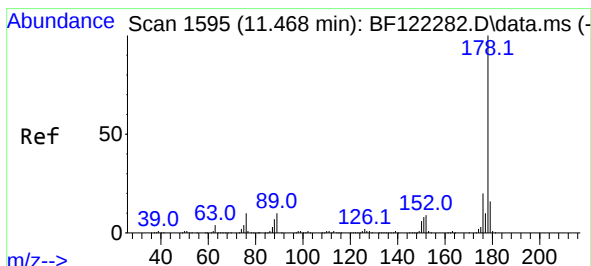
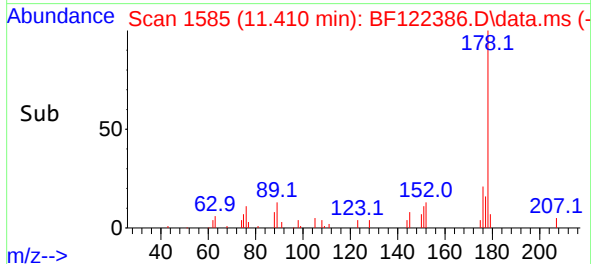
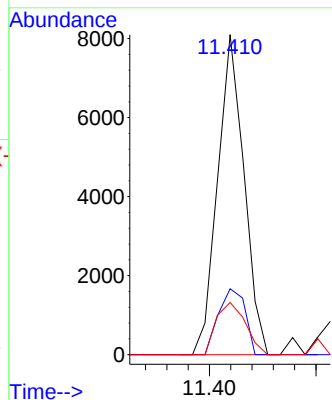
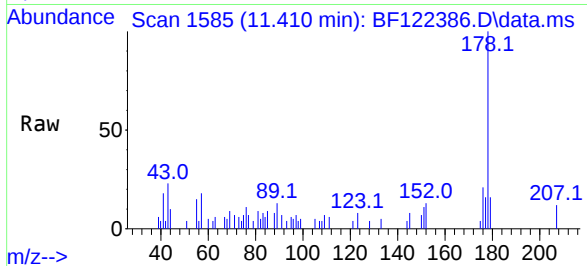




#71
Phenanthrene
Concen: 249.84 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

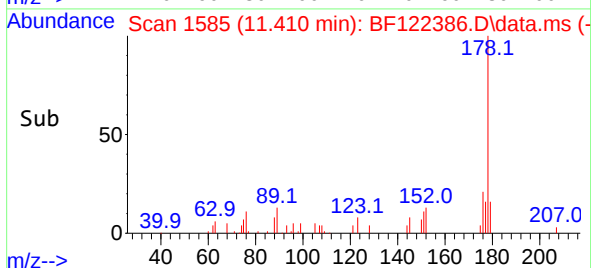
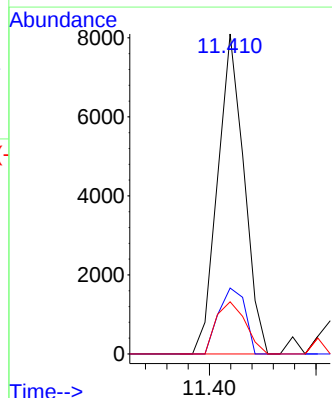
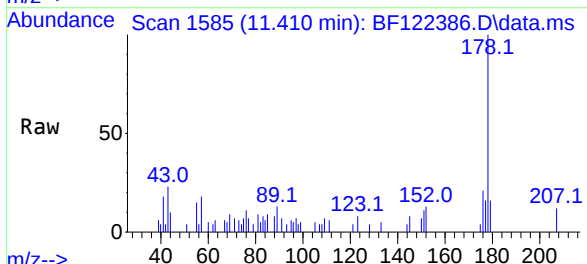
Instrument :
BNA_F
ClientSampleId :
ND-SOIL

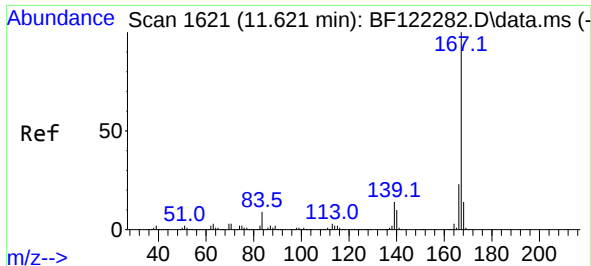
Tgt Ion:178	Resp:	6960
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.9 23.9
179	16.3	12.2 18.4



#72
Anthracene
Concen: 242.41 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.059 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

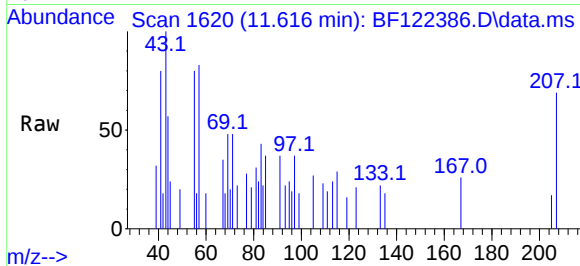
Tgt Ion:178	Resp:	6960
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.7 23.5
179	16.3	12.7 19.1





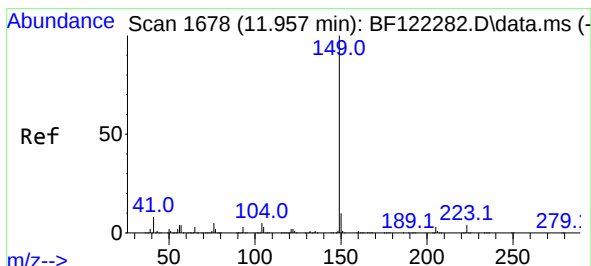
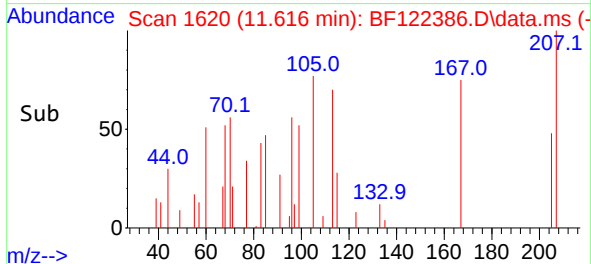
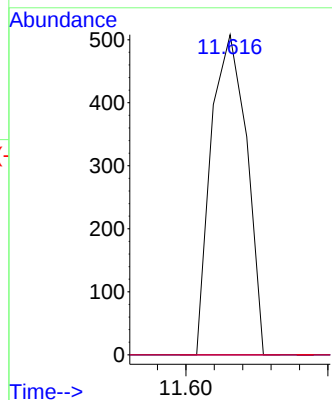
#73
 Carbazole
 Concen: 16.92 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF122386.D
 Acq: 19 Nov 2020 18:06

Instrument :
 BNA_F
 ClientSampled :
 ND-SOIL

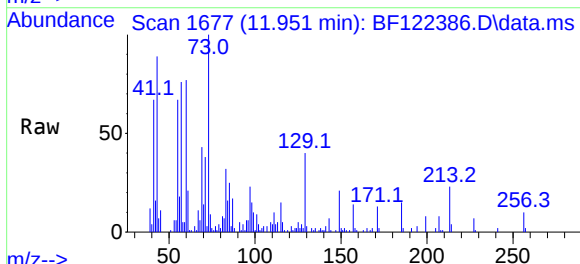


Tgt Ion:167 Resp: 442

Ion	Ratio	Lower	Upper
167	100		
166	0.0	17.8	26.6#
139	0.0	10.8	16.2#

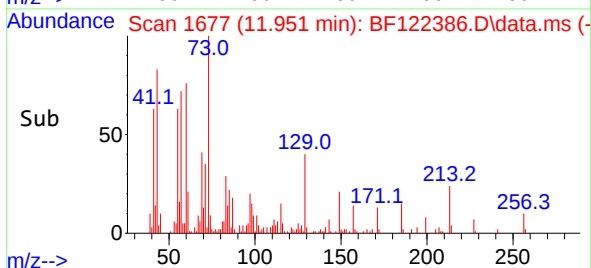
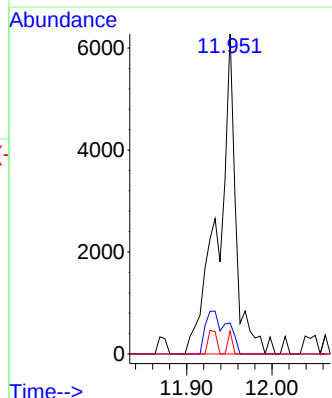


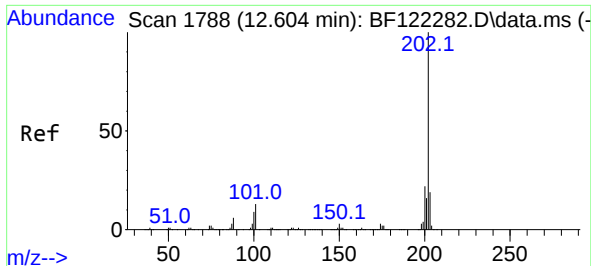
#74
 Di-n-butylphthalate
 Concen: 325.01 ng
 RT: 11.951 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF122386.D
 Acq: 19 Nov 2020 18:06



Tgt Ion:149 Resp: 9050

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	7.2	4.2	6.2#

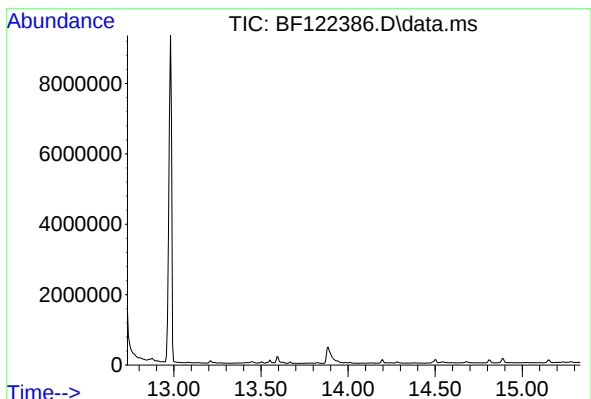
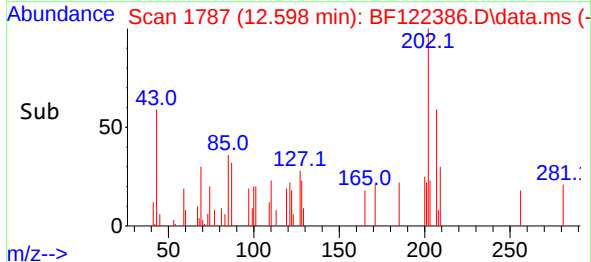
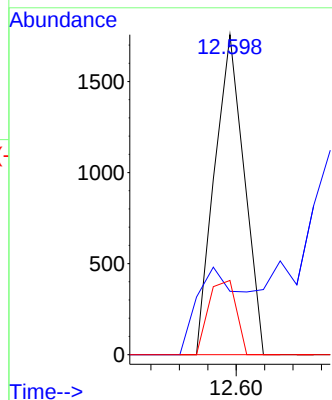
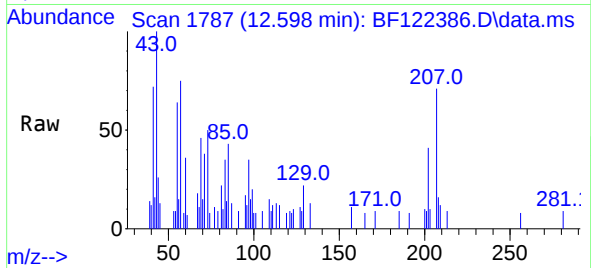




#75
Fluoranthene
Concen: 43.50 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

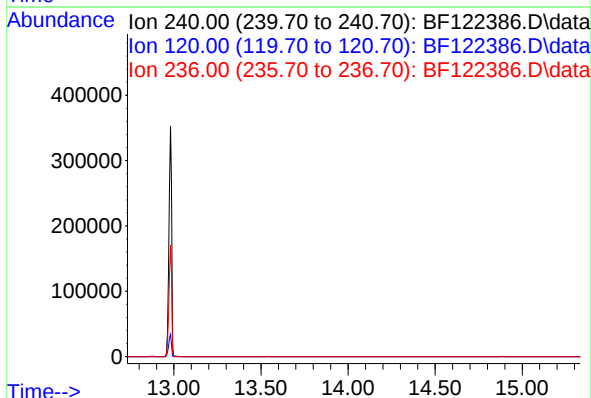
Tgt Ion:	202	Resp:	1265
Ion	Ratio	Lower	Upper
202	100		
101	19.8	0.0	33.4
203	23.2	0.0	37.9

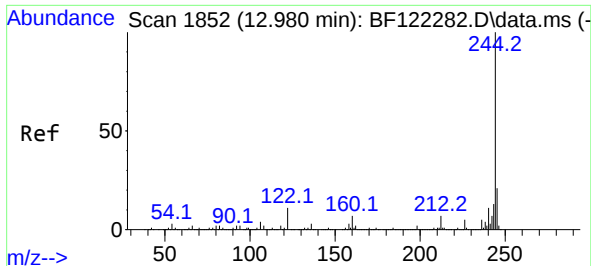


#76
Chrysene-d12
Concen: 0.00 ng
Expected RT: 14.03 min

Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:	240
Sig	Exp Ratio
240	100
120	11.5
236	26.1

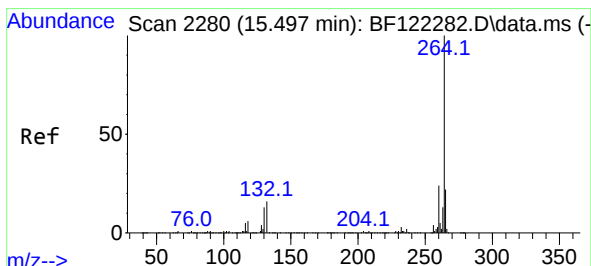
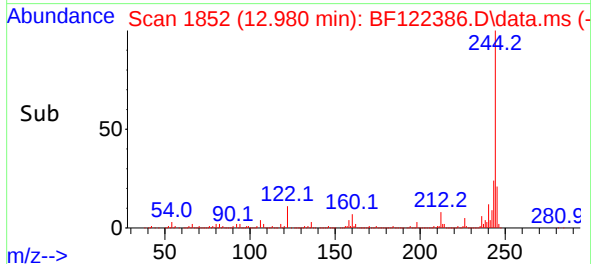
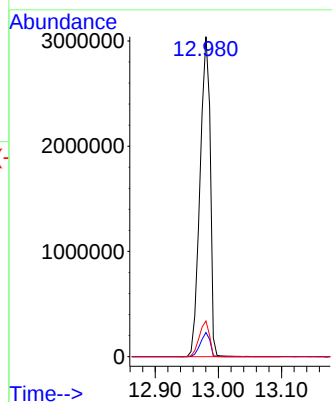
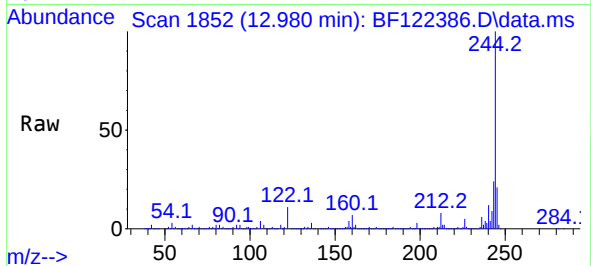




#79
Terphenyl-d14
Concen: 0.00 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

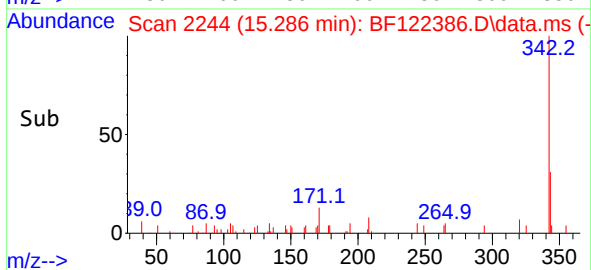
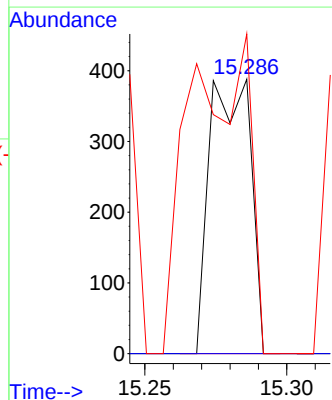
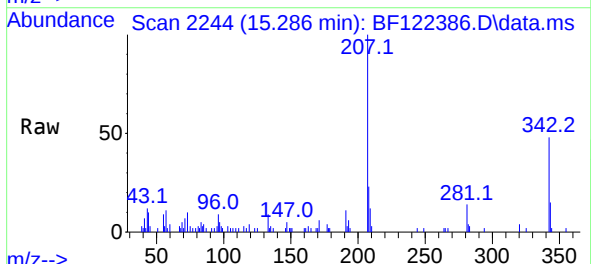
Instrument :
BNA_F
ClientSampleId :
ND-SOIL

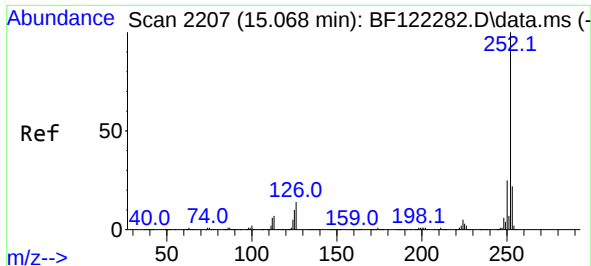
Tgt Ion:244 Resp: 3399116
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 11.1 8.1 12.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.286 min Scan# 2244
Delta R.T. -0.212 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:264 Resp: 388
Ion Ratio Lower Upper
264 100
260 0.0 18.7 28.1#
265 116.5 17.3 25.9#

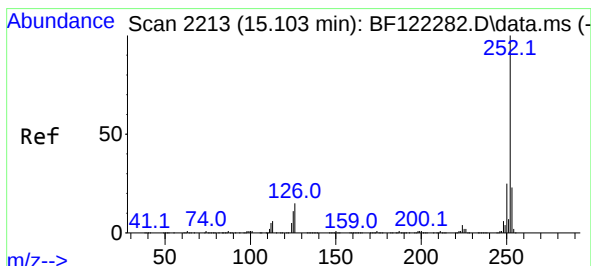
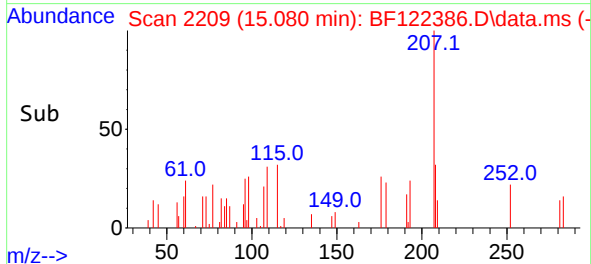
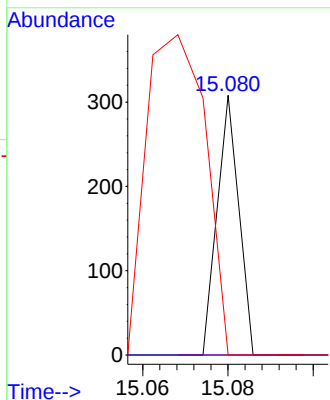
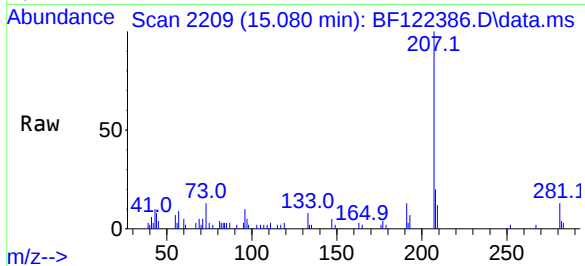




#88
Benzo(b)fluoranthene
Concen: 4.34 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

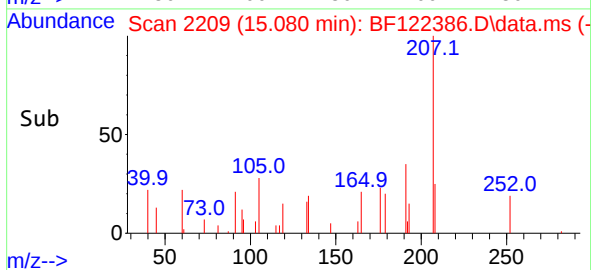
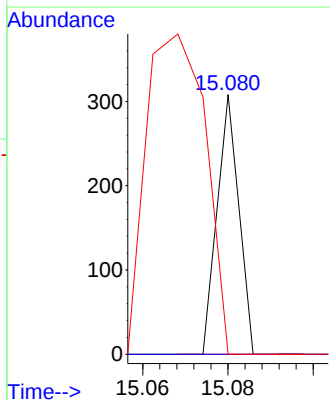
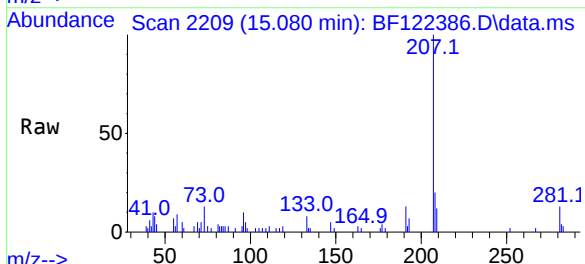
Instrument :
BNA_F
ClientSampled :
ND-SOIL

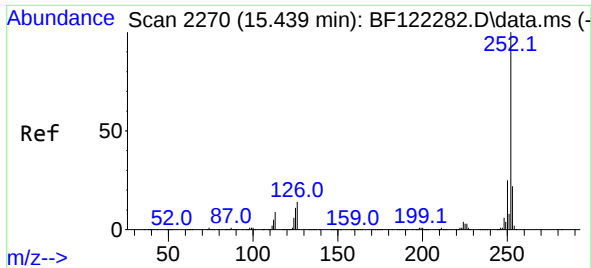
Tgt Ion:252 Resp: 109
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 0.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 4.45 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.023 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Tgt Ion:252 Resp: 109
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 0.0 7.7 11.5#





#90
Benzo(a)pyrene
Concen: 4.98 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.359 min
Lab File: BF122386.D
Acq: 19 Nov 2020 18:06

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

Tgt Ion:252 Resp: 109
Ion Ratio Lower Upper
252 100
253 0.0 17.3 25.9#
125 0.0 8.6 13.0#

