

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111920\
 Data File : BF122393.D
 Acq On : 19 Nov 2020 21:43
 Operator : JU/CG
 Sample : L4786-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KL-SOIL

Quant Time: Nov 20 00:04:47 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)

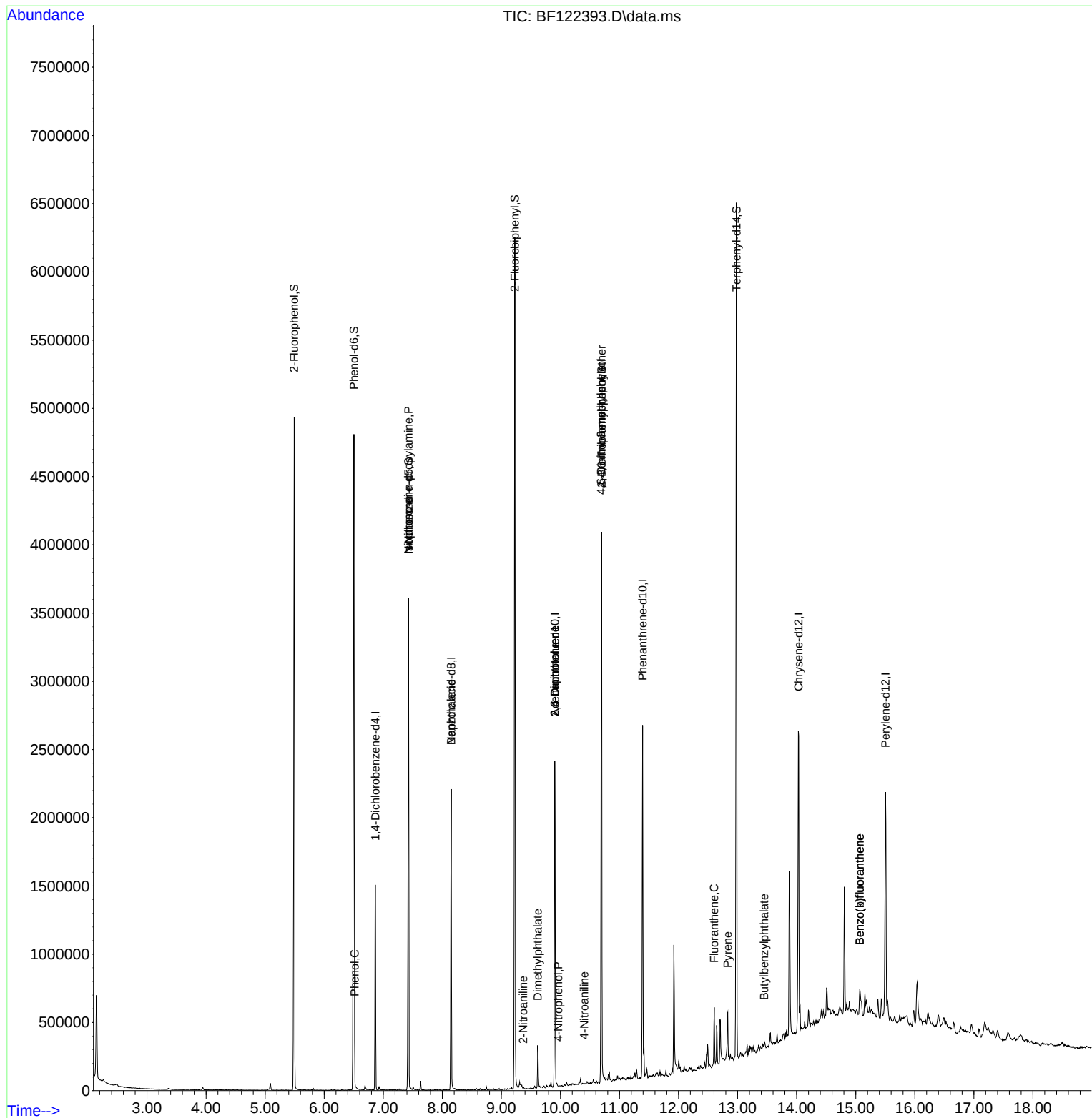
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	232957	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	913567	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	492133	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	898874	20.00	ng	0.00
76) Chrysene-d12	14.033	240	781178	20.00	ng	0.00
86) Perylene-d12	15.504	264	787245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1431326	94.34	ng	0.02
7) Phenol-d6	6.504	99	1819703	91.69	ng	0.01
23) Nitrobenzene-d5	7.428	82	1153522	77.30	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	572194	108.33	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1984724	63.01	ng	0.00
79) Terphenyl-d14	12.980	244	1997257	54.16	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	888	Below Cal		91
10) Phenol	6.516	94	83968	4.30 ng	#	73
19) n-Nitroso-di-n-propyla...	7.428	70	156504	13.20 ng	#	74
25) Isophorone	7.428	82	1143921	34.38 ng	#	67
32) Benzoic acid	8.151	122	116	7.97 ng	#	1
48) 2-Nitroaniline	9.369	65	122	5.18 ng	#	6
50) Dimethylphthalate	9.616	163	123678	3.54 ng		99
51) 2,6-Dinitrotoluene	9.904	165	64086	11.39 ng	#	21
56) 4-Nitrophenol	9.963	139	115	5.42 ng	#	1
57) 2,4-Dinitrotoluene	9.904	165	64087	10.61 ng	#	20
62) 4-Nitroaniline	10.404	138	109	3.39 ng	#	42
65) 4,6-Dinitro-2-methylph...	10.692	198	1103	6.50 ng	#	1
67) 4-Bromophenyl-phenylether	10.698	248	37224	3.52 ng	#	1
75) Fluoranthene	12.604	202	162915	3.06 ng		97
78) Pyrene	12.833	202	151039	2.75 ng		97
80) Butylbenzylphthalate	13.451	149	2659	3.40 ng	#	77
88) Benzo(b)fluoranthene	15.068	252	149737	2.94 ng	#	91
89) Benzo(k)fluoranthene	15.068	252	149737	3.01 ng	#	90

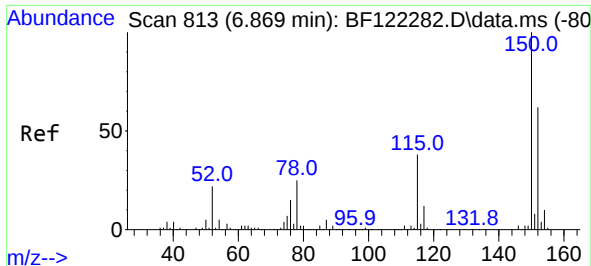
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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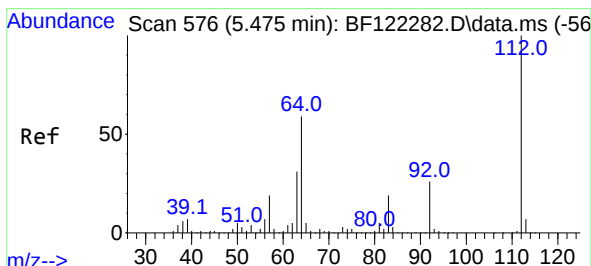
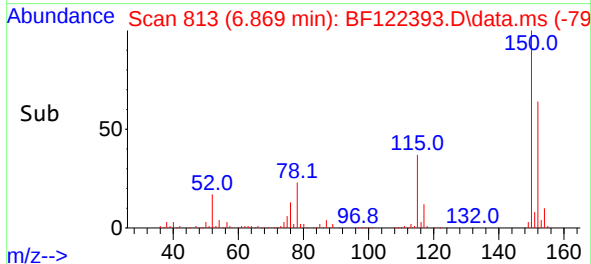
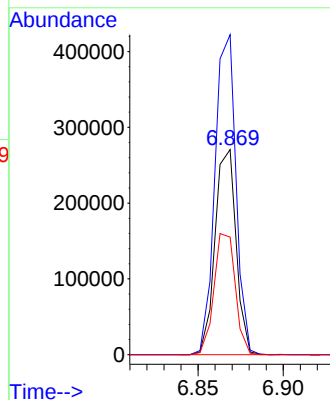
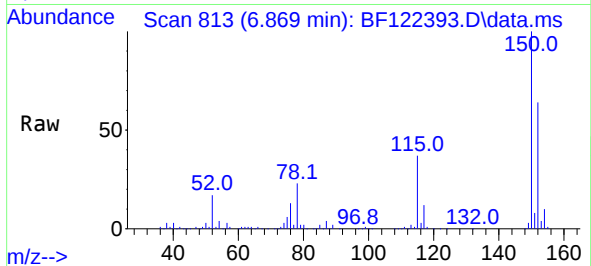




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

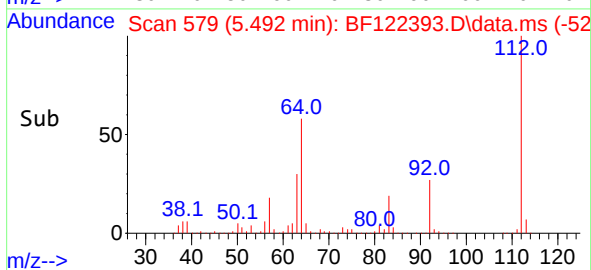
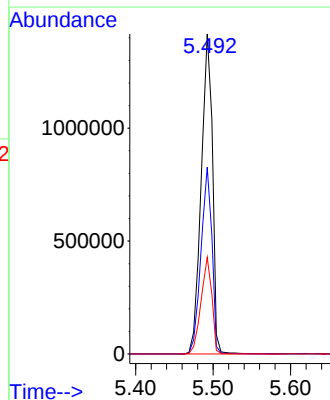
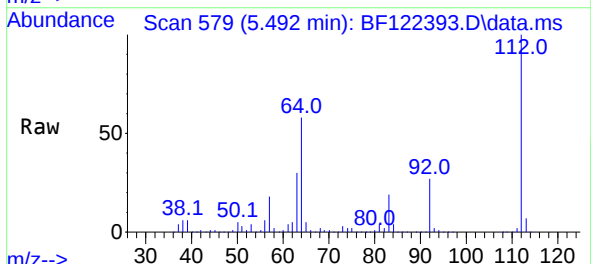
Instrument :
BNA_F
ClientSampleId :
KL-SOIL

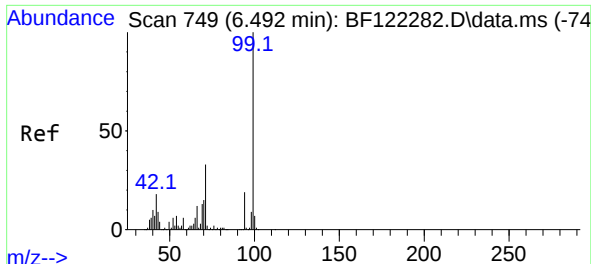
Tgt Ion:152 Resp: 232957
Ion Ratio Lower Upper
152 100
150 156.0 125.3 187.9
115 57.4 51.9 77.9



#5
2-Fluorophenol
Concen: 94.34 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.018 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:112 Resp: 1431326
Ion Ratio Lower Upper
112 100
64 58.4 50.4 75.6
63 30.2 25.8 38.6



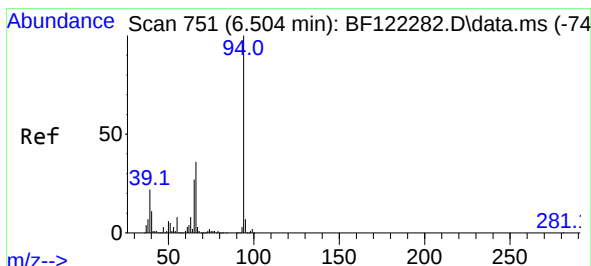
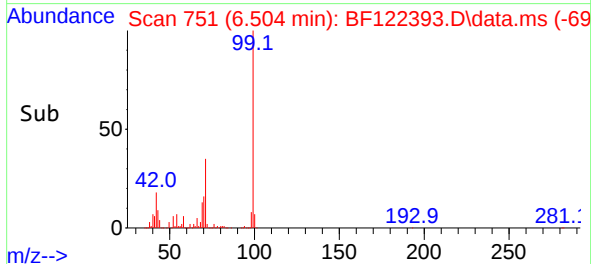
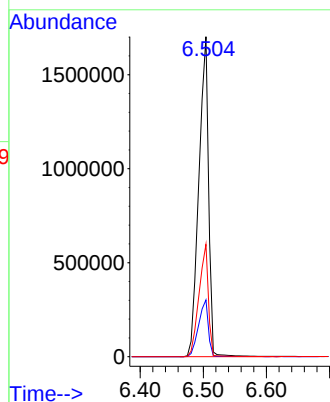
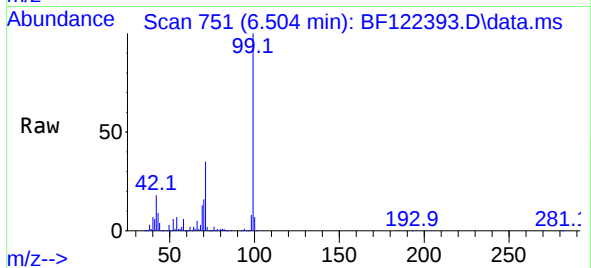


#7
Phenol-d6
Concen: 91.69 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Instrument :
BNA_F
ClientSampleId :
KL-SOIL

Tgt Ion: 99 Resp: 1819703

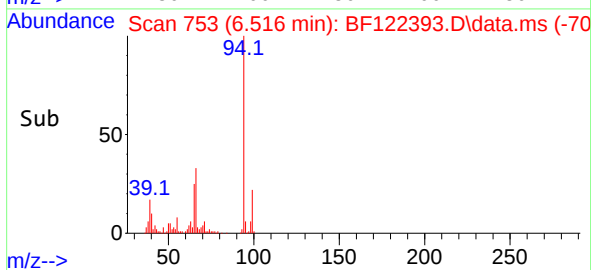
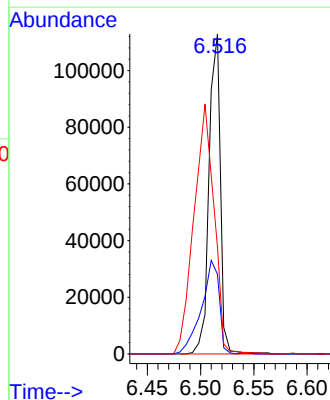
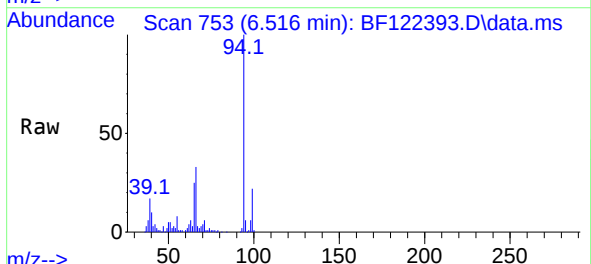
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.9	23.9
71	35.1	27.1	40.7

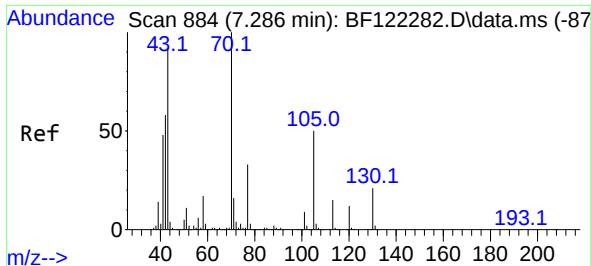


#10
Phenol
Concen: 4.30 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion: 94 Resp: 83968

Ion	Ratio	Lower	Upper
94	100		
65	24.9	17.1	57.1
66	33.4	36.0	76.0



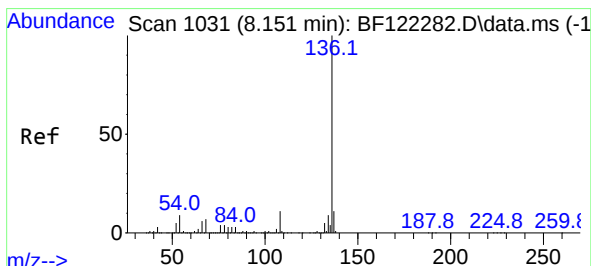
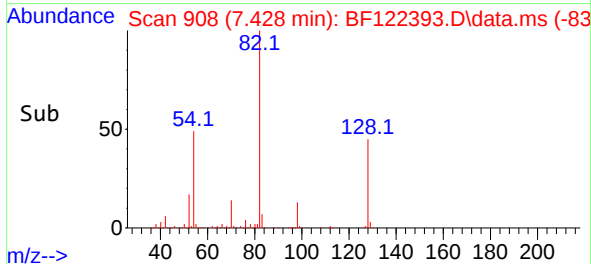
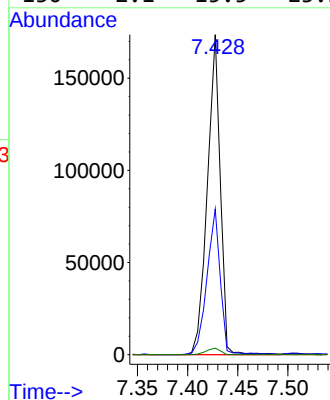
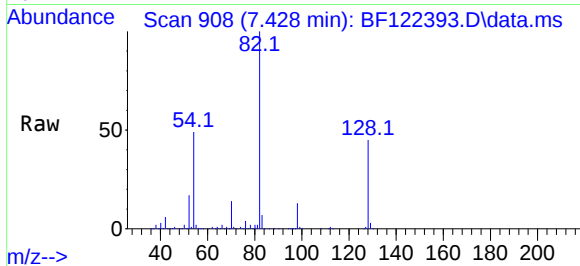


#19
n-Nitroso-di-n-propylamine
Concen: 13.20 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Instrument :
BNA_F
ClientSampleId :
KL-SOIL

Tgt Ion: 70 Resp: 156504

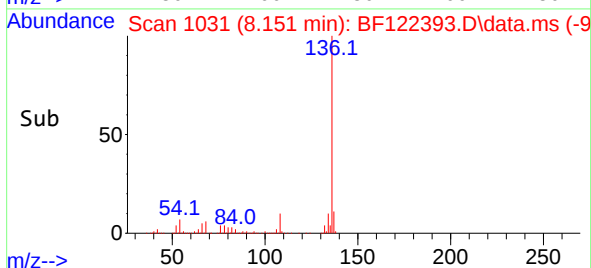
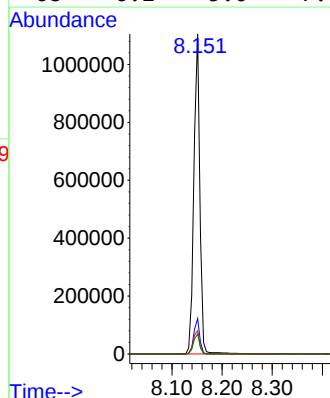
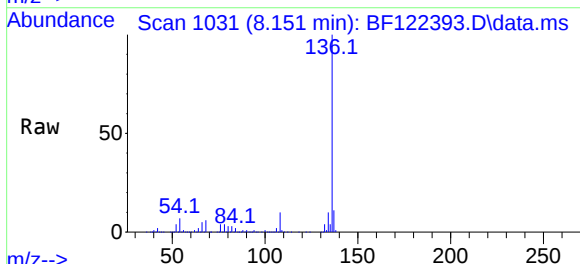
Ion	Ratio	Lower	Upper
70	100		
42	45.5	50.2	75.4#
101	0.0	7.5	11.3#
130	2.1	15.5	23.3#

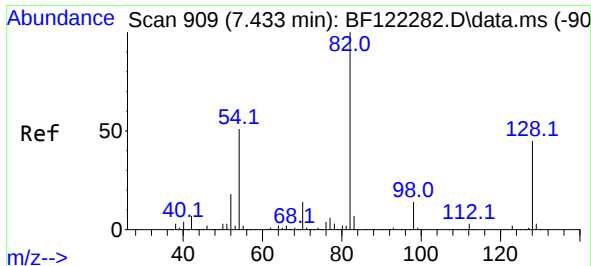


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion: 136 Resp: 913567

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.2	7.1	10.7
68	6.2	5.0	7.4

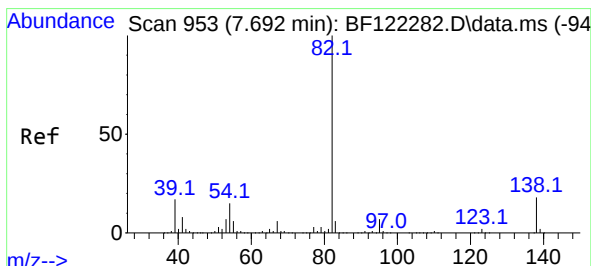
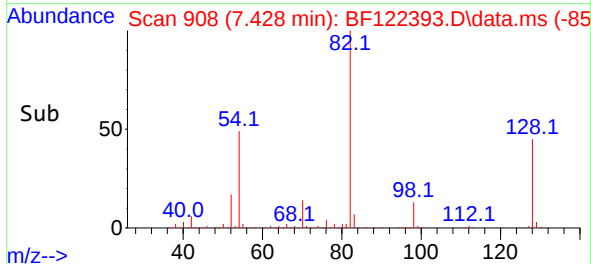
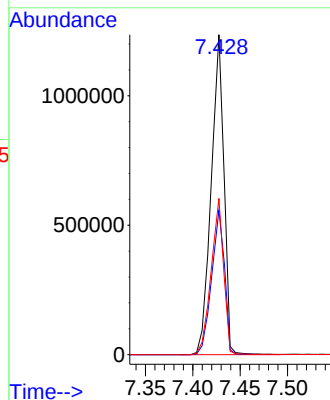
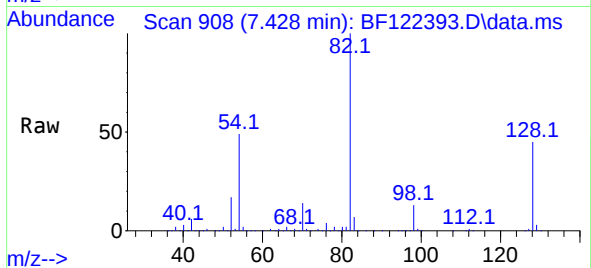




#23
Nitrobenzene-d5
Concen: 77.30 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

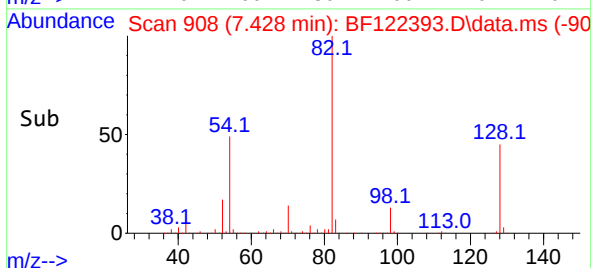
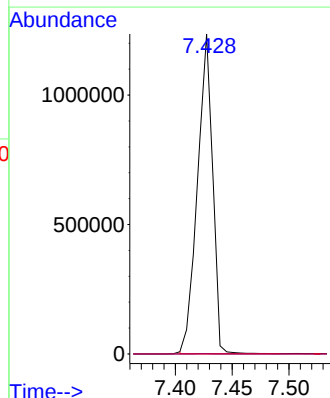
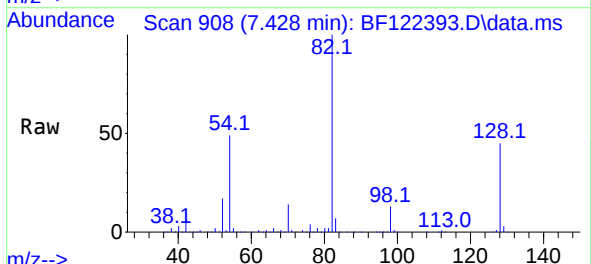
Instrument :
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ClientSampleId :
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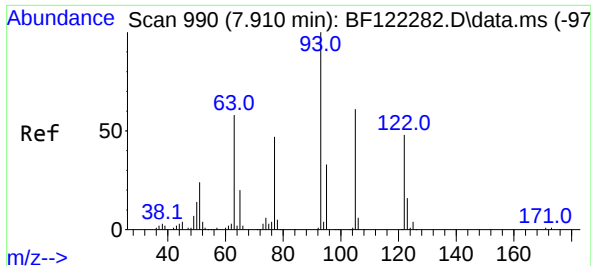
Tgt Ion: 82 Resp: 1153522
Ion Ratio Lower Upper
82 100
128 45.1 35.0 52.4
54 48.8 43.9 65.9



#25
Isophorone
Concen: 34.38 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.264 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion: 82 Resp: 1143921
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

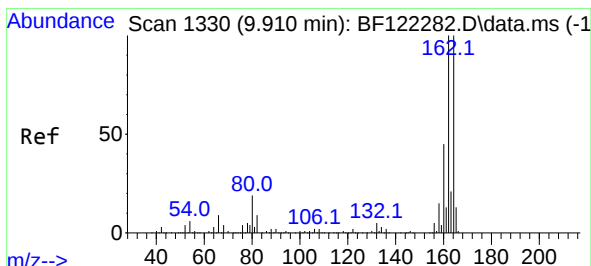
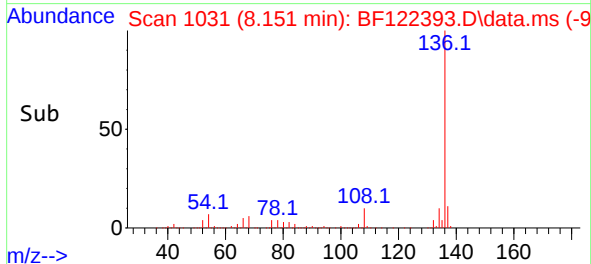
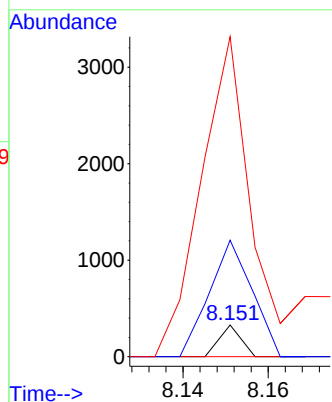
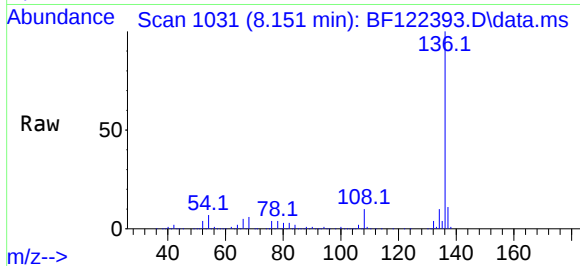




#32
Benzoic acid
Concen: 7.97 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.241 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

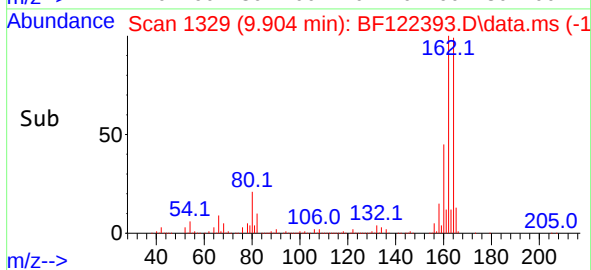
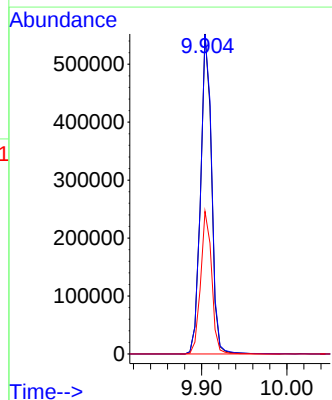
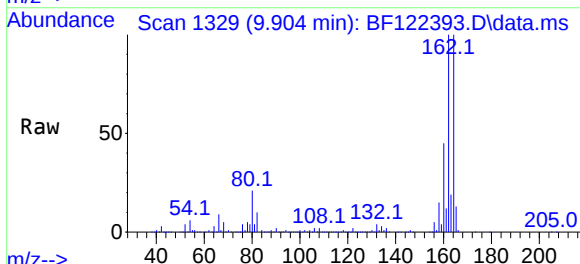
Instrument :
BNA_F
ClientSampled :
KL-SOIL

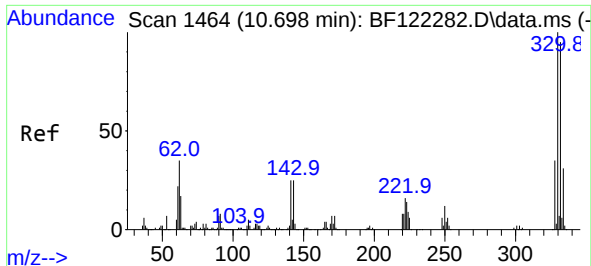
Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 366.9 103.3 143.3#
77 1007.9 73.9 113.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:164 Resp: 492133
Ion Ratio Lower Upper
164 100
162 99.8 83.2 124.8
160 44.5 37.5 56.3

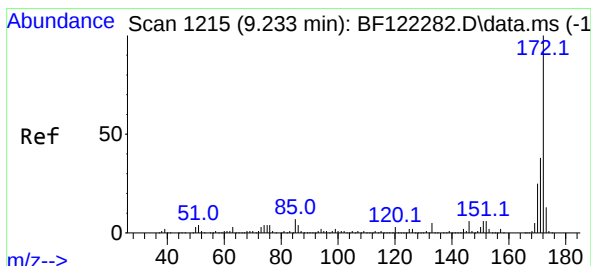
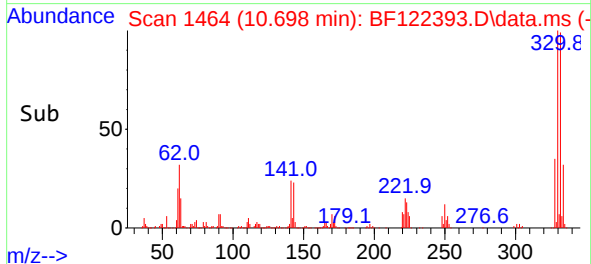
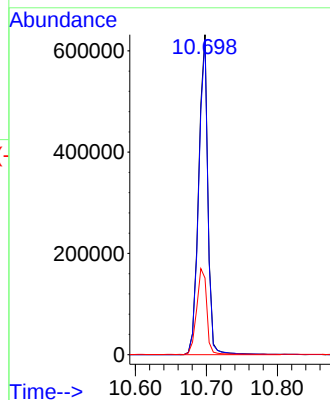
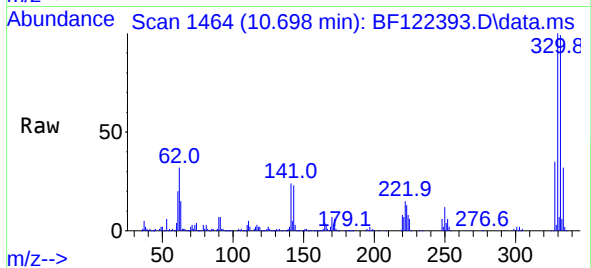




#42
2,4,6-Tribromophenol
Concen: 108.33 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

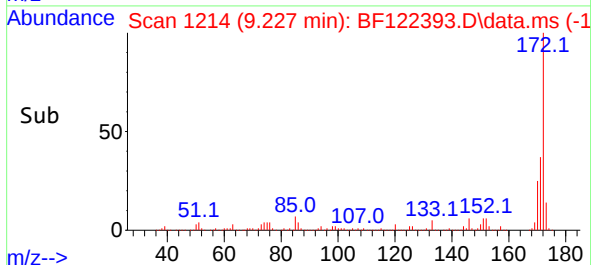
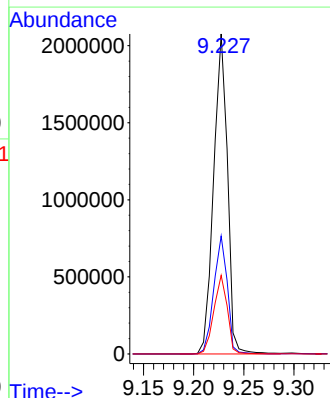
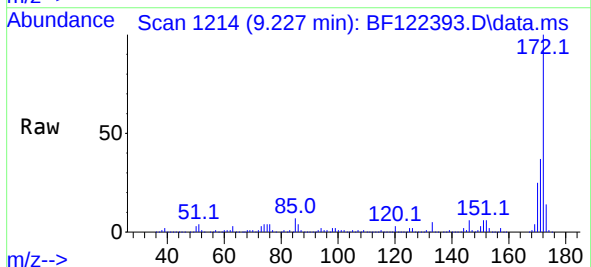
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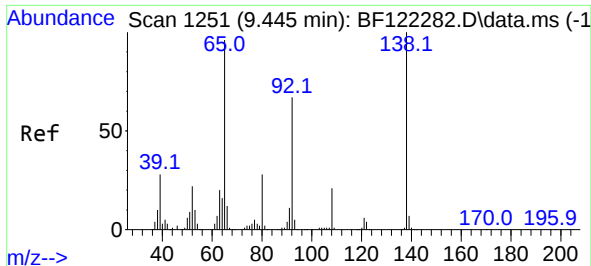
Tgt Ion:330 Resp: 572194
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 29.2 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 63.01 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:172 Resp: 1984724
Ion Ratio Lower Upper
172 100
171 36.9 29.1 43.7
170 24.6 19.8 29.6

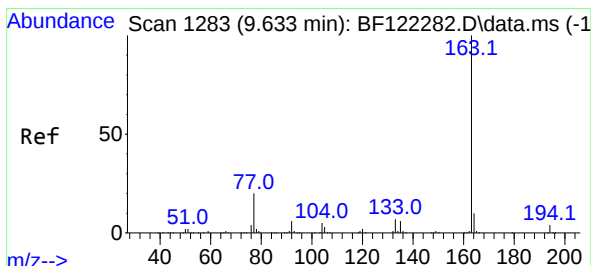
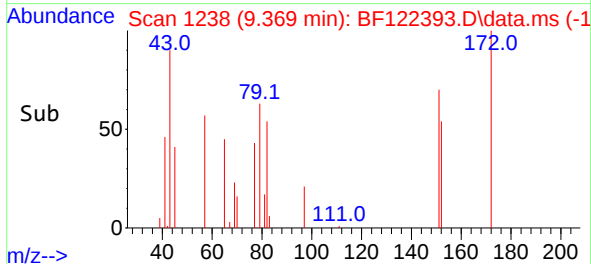
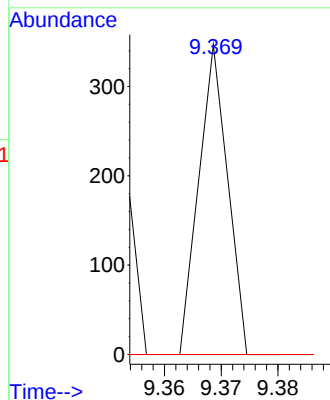
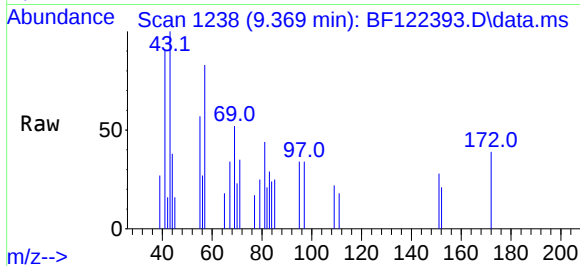




#48
2-Nitroaniline
Concen: 5.18 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.076 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

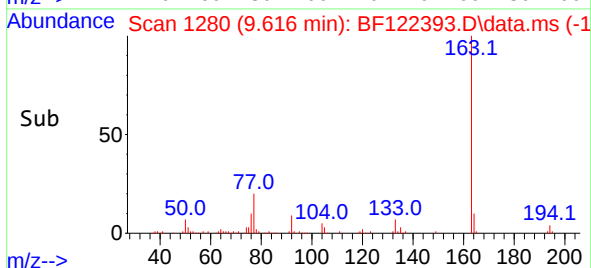
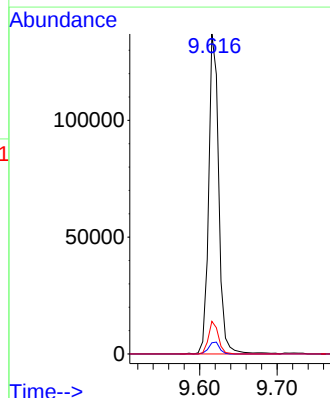
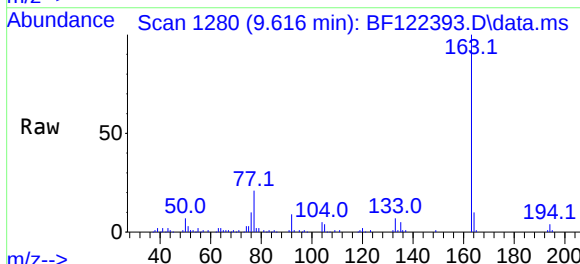
Instrument :
BNA_F
ClientSampled :
KL-SOIL

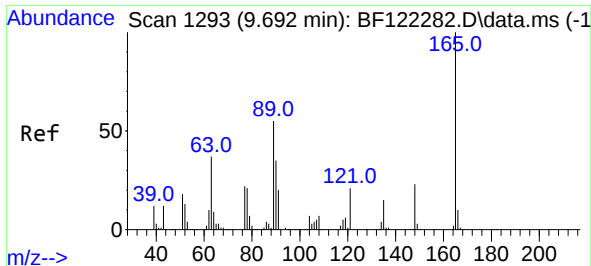
Tgt Ion: 65	Resp:	122
Ion Ratio	Lower	Upper
65	100	
92	0.0	55.1 82.7#
138	0.0	80.5 120.7#



#50
Dimethylphthalate
Concen: 3.54 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion: 163	Resp:	123678
Ion Ratio	Lower	Upper
163	100	
194	3.5	3.3 4.9
164	10.2	8.2 12.4

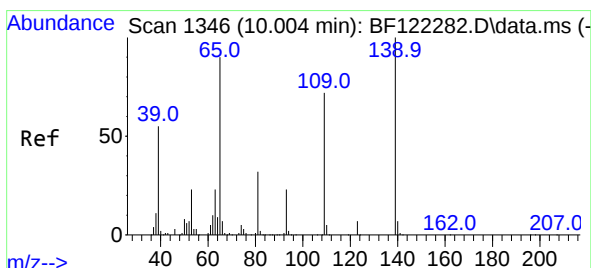
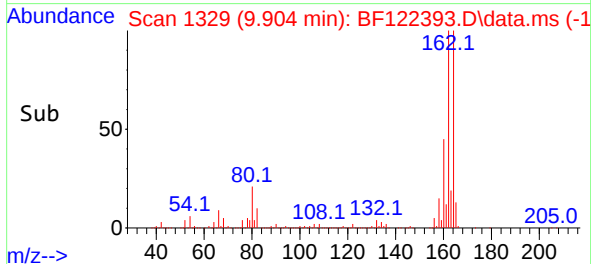
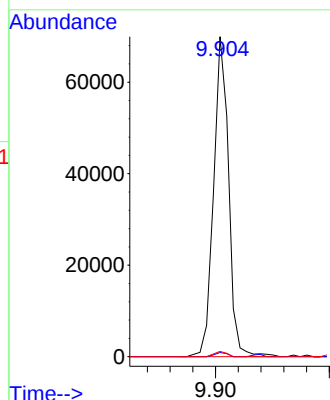
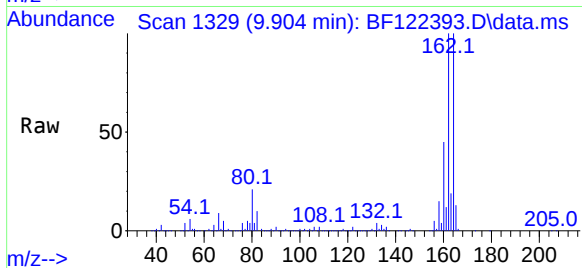




#51
2,6-Dinitrotoluene
Concen: 11.39 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

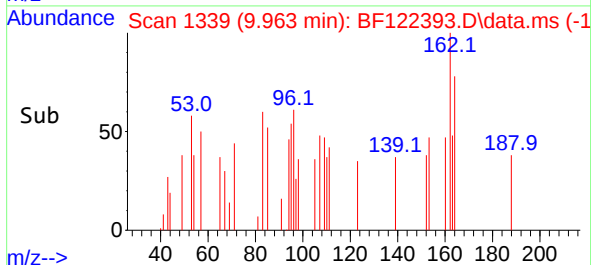
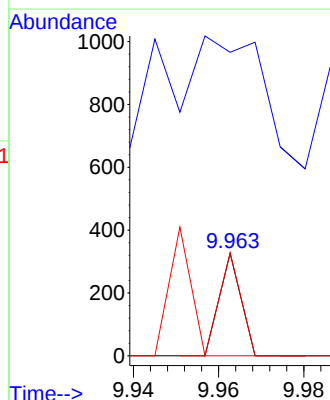
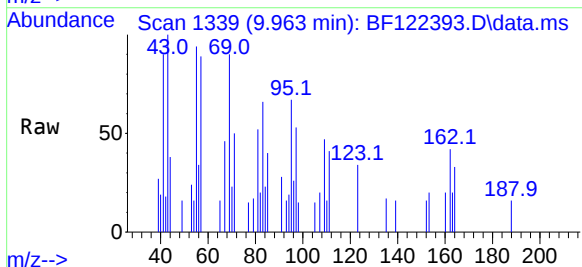
Instrument :
BNA_F
ClientSampled :
KL-SOIL

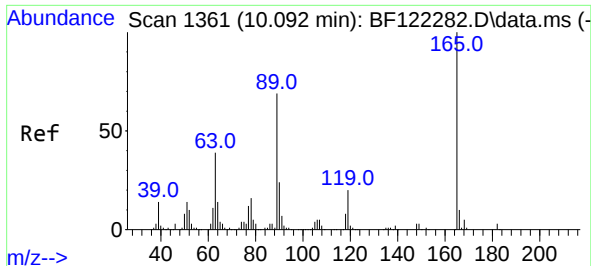
Tgt Ion:165 Resp: 64086
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.7 49.0 73.6#



#56
4-Nitrophenol
Concen: 5.42 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.041 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:139 Resp: 115
Ion Ratio Lower Upper
139 100
109 296.3 45.4 85.4#
65 100.6 68.4 108.4

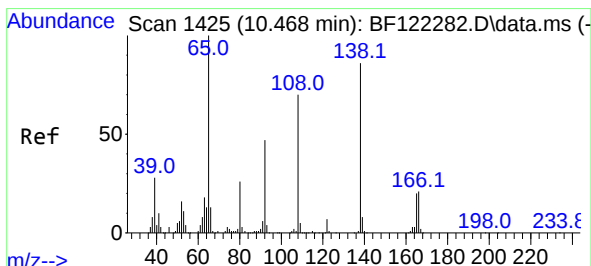
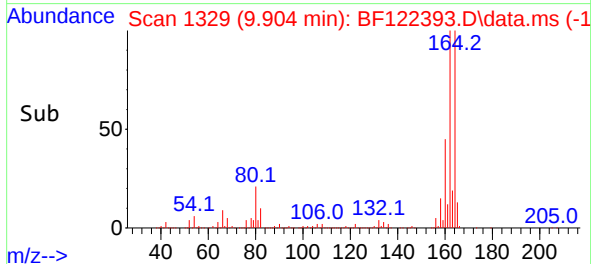
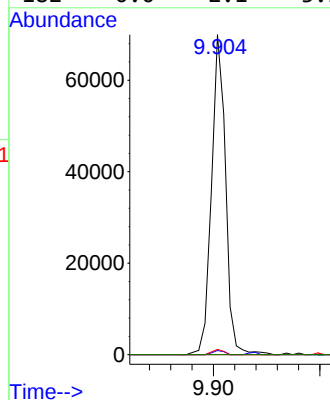
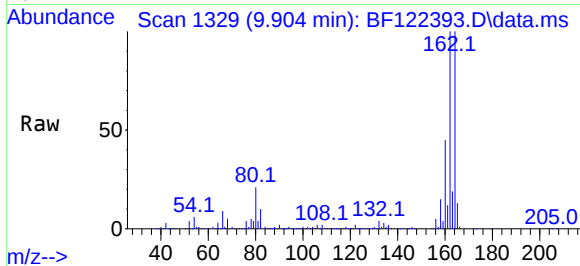




#57
2,4-Dinitrotoluene
Concen: 10.61 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

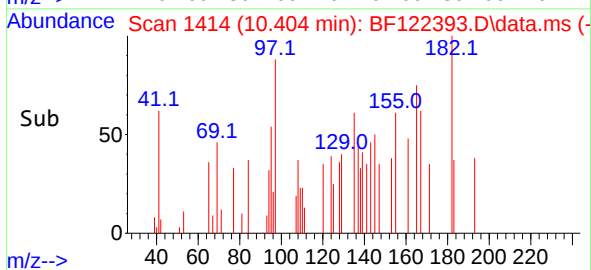
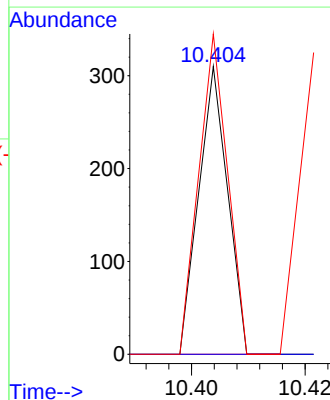
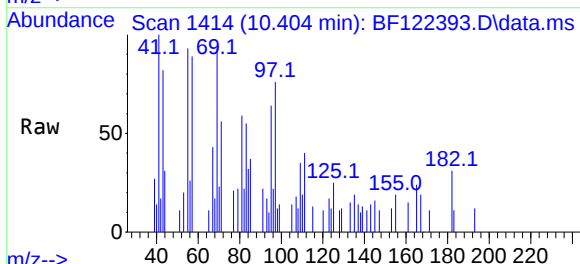
Instrument :
BNA_F
ClientSampled :
KL-SOIL

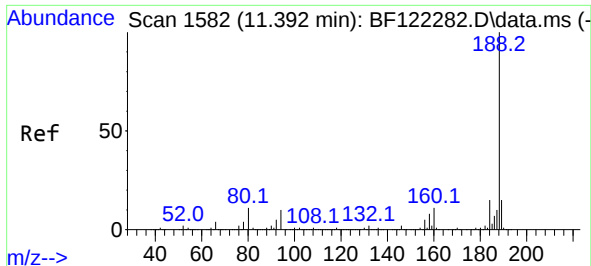
Tgt Ion:	165	Resp:	64087
Ion Ratio	Lower	Upper	
165	100		
63	1.3	41.3	61.9#
89	1.7	61.8	92.8#
182	0.0	2.1	3.1#



#62
4-Nitroaniline
Concen: 3.39 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.064 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:	138	Resp:	109
Ion Ratio	Lower	Upper	
138	100		
92	0.0	31.0	71.0#
108	111.3	51.5	91.5#

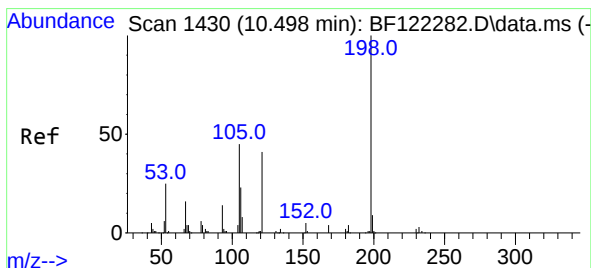
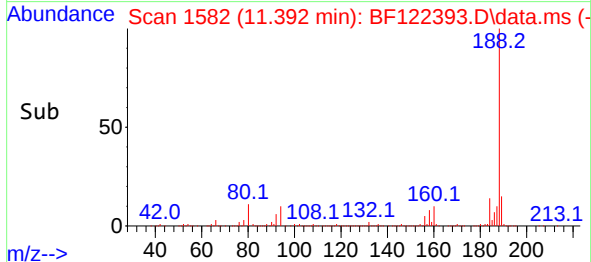
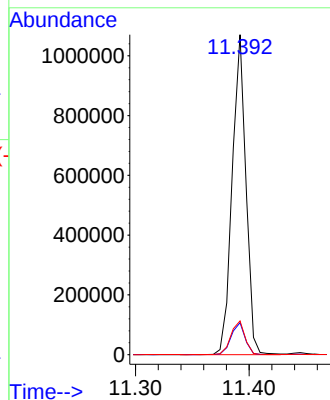
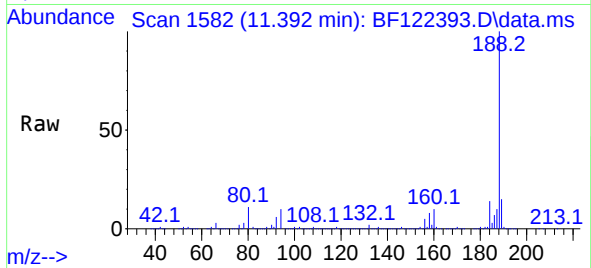




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

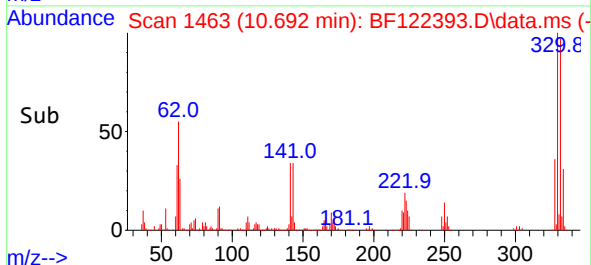
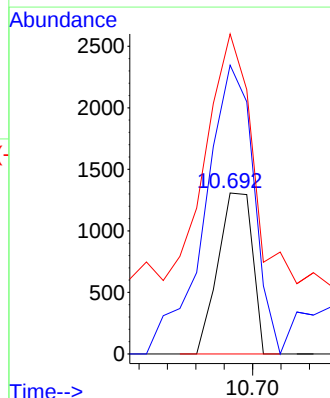
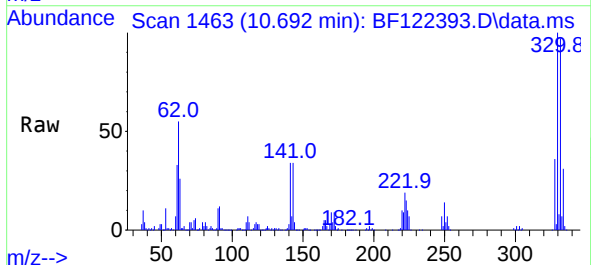
Instrument :
BNA_F
ClientSampled :
KL-SOIL

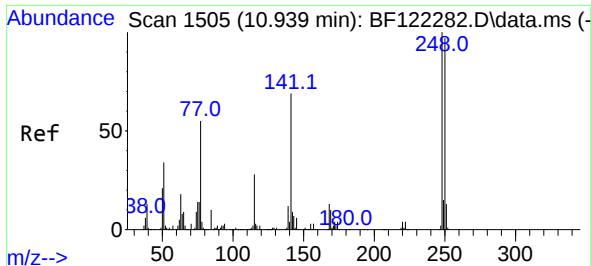
Tgt Ion:188 Resp: 898874
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.5 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.50 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.194 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:198 Resp: 1103
Ion Ratio Lower Upper
198 100
51 179.4 29.6 69.6#
105 198.8 24.4 64.4#

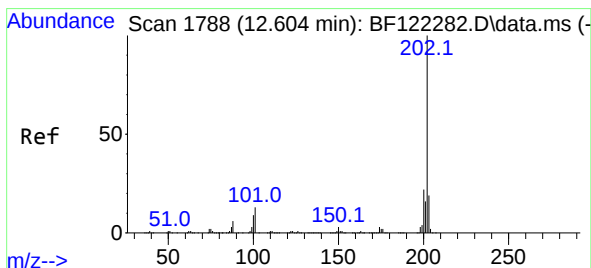
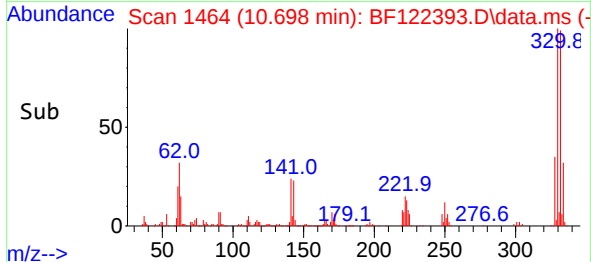
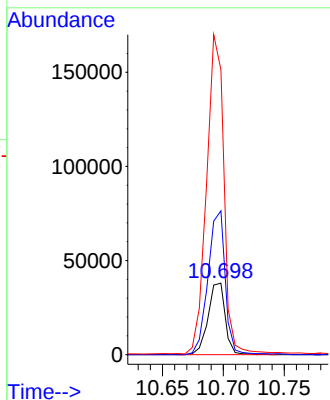
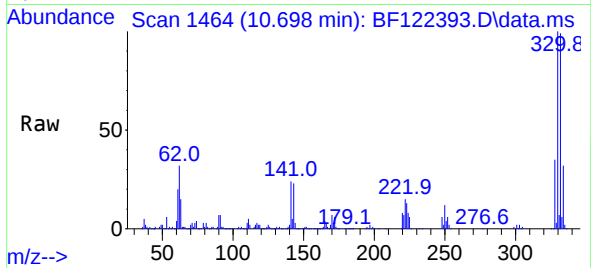




#67
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

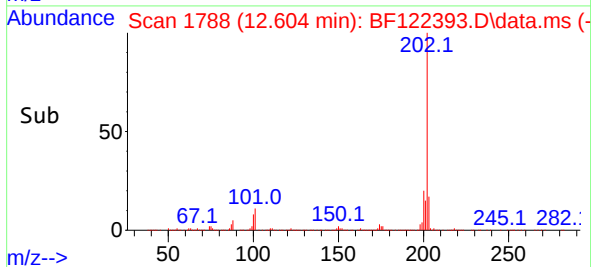
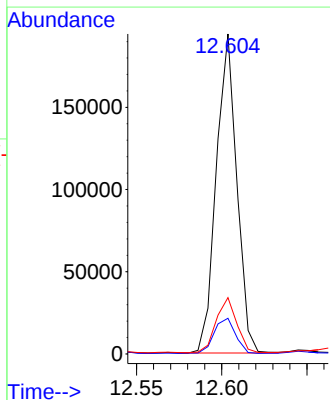
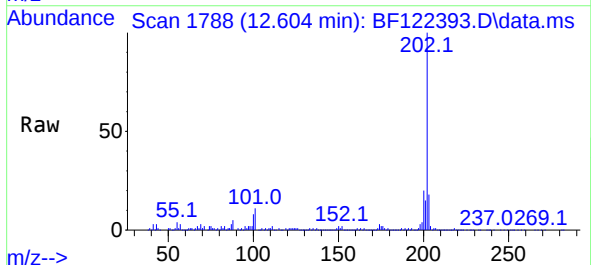
Instrument :
BNA_F
ClientSampled :
KL-SOIL

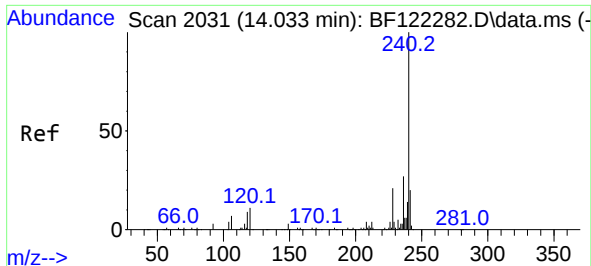
Tgt Ion:248 Resp: 37224
Ion Ratio Lower Upper
248 100
250 200.9 77.0 115.6#
141 397.9 53.7 80.5#



#75
Fluoranthene
Concen: 3.06 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:202 Resp: 162915
Ion Ratio Lower Upper
202 100
101 11.2 0.0 33.4
203 17.6 0.0 37.9

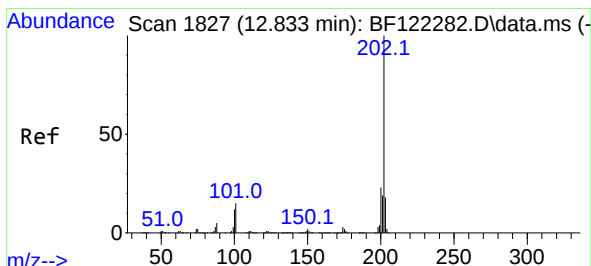
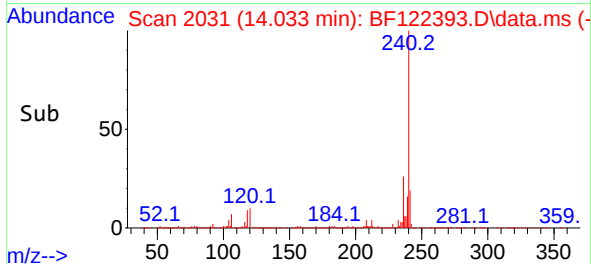
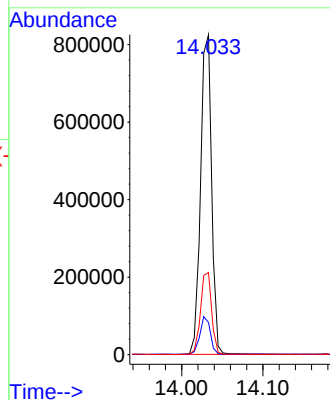
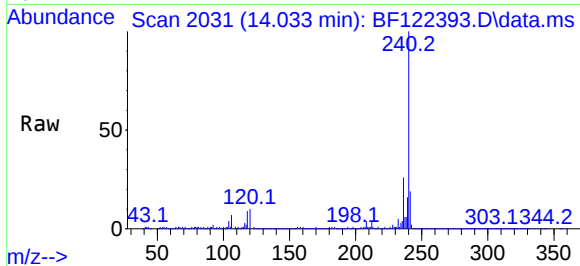




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

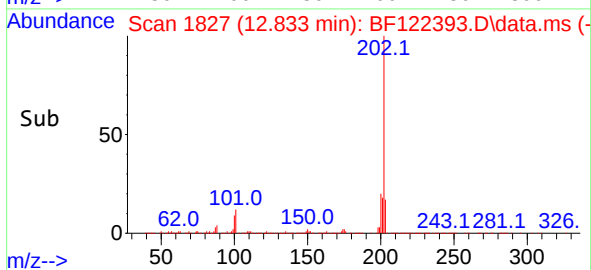
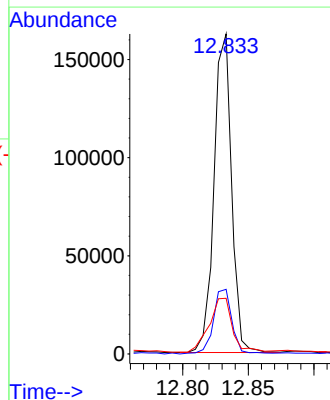
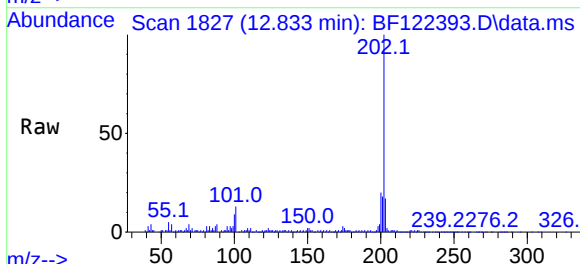
Instrument :
BNA_F
ClientSampleId :
KL-SOIL

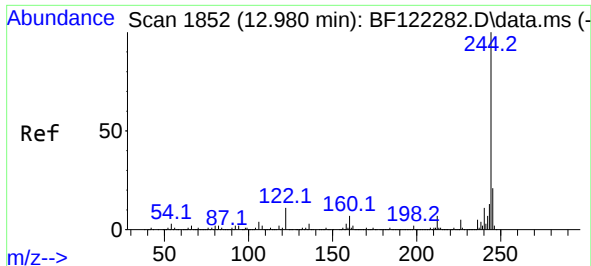
Tgt Ion:240 Resp: 781178
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 2.75 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:202 Resp: 151039
Ion Ratio Lower Upper
202 100
200 20.2 17.4 26.2
203 17.4 14.6 21.8

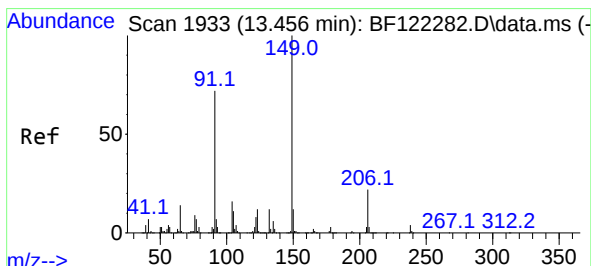
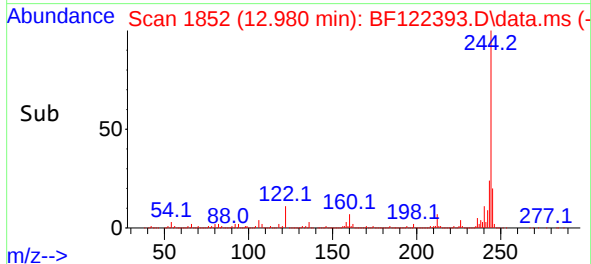
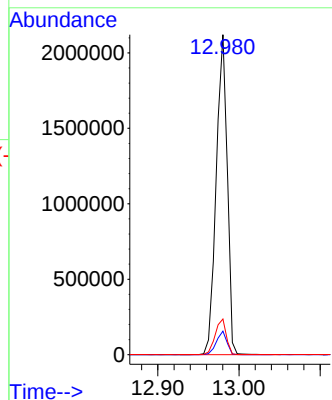
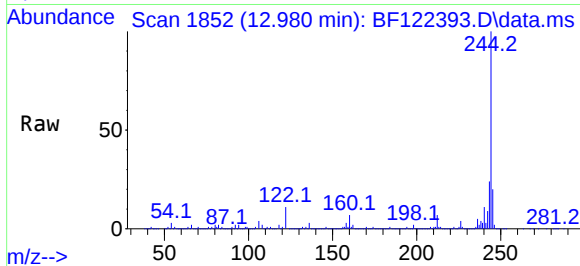




#79
Terphenyl-d14
Concen: 54.16 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

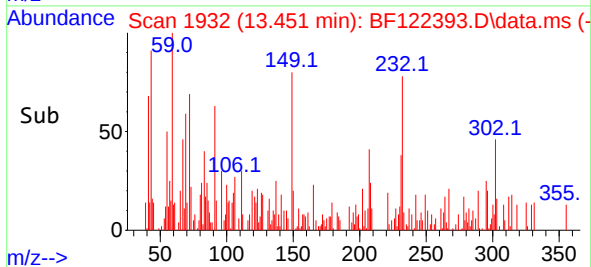
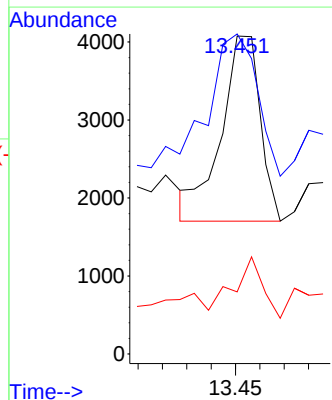
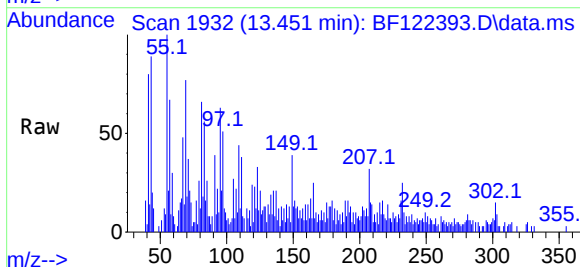
Instrument :
BNA_F
ClientSampled :
KL-SOIL

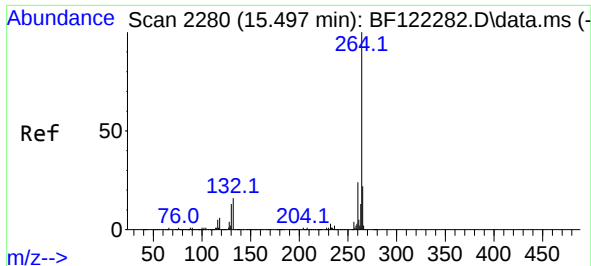
Tgt Ion:244 Resp: 1997257
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 11.1 8.1 12.1



#80
Butylbenzylphthalate
Concen: 3.40 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:149 Resp: 2659
Ion Ratio Lower Upper
149 100
91 100.6 61.0 91.4#
206 19.5 16.7 25.1



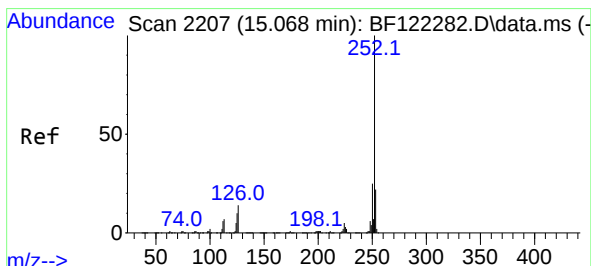
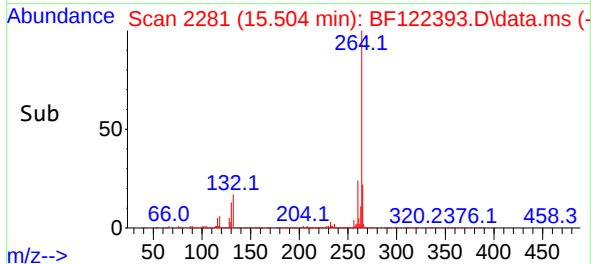
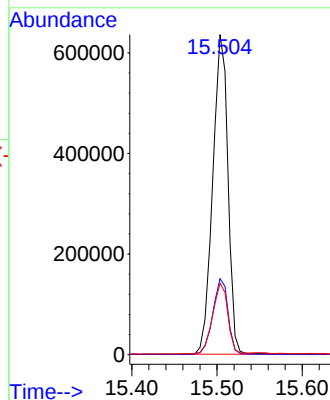
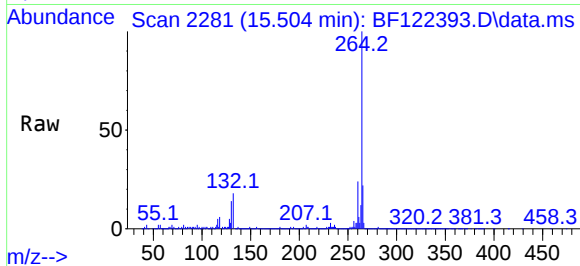


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Instrument :
BNA_F
ClientSampled :
KL-SOIL

Tgt Ion:264 Resp: 787245

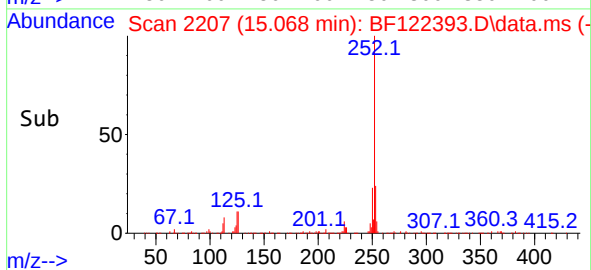
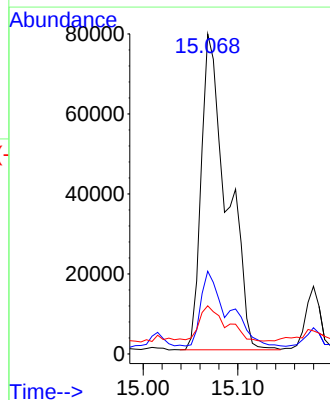
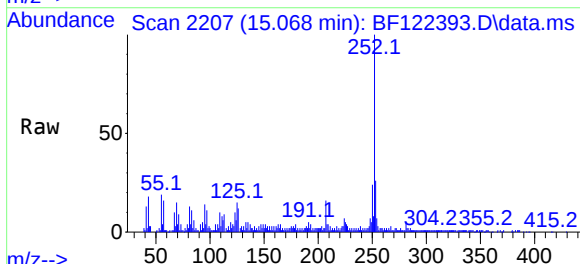
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.4	17.3	25.9

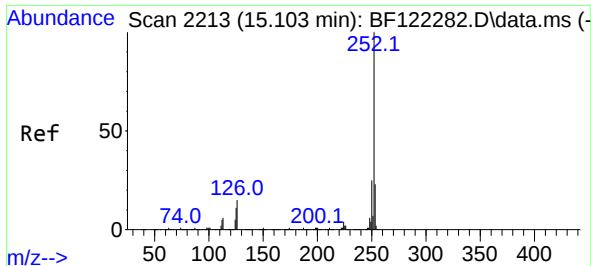


#88
Benzo(b)fluoranthene
Concen: 2.94 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF122393.D
Acq: 19 Nov 2020 21:43

Tgt Ion:252 Resp: 149737

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.2	27.2
125	15.1	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 3.01 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF122393.D

Acq: 19 Nov 2020 21:43

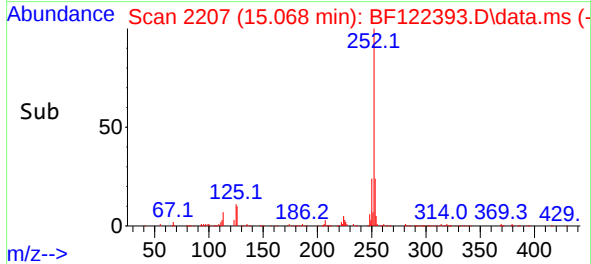
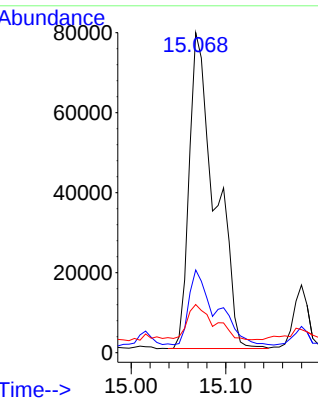
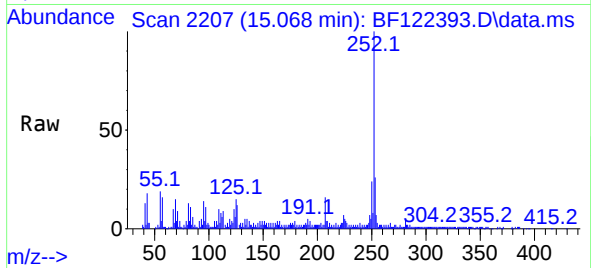
Tgt Ion:252 Resp: 149737

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.6

125 15.1 7.7 11.5#



Instrument :

BNA_F

ClientSampleId :

KL-SOIL