

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140515.D
 Acq On : 20 Nov 2024 22:13
 Operator : RC/JU
 Sample : P4822-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Quant Time: Nov 21 00:09:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

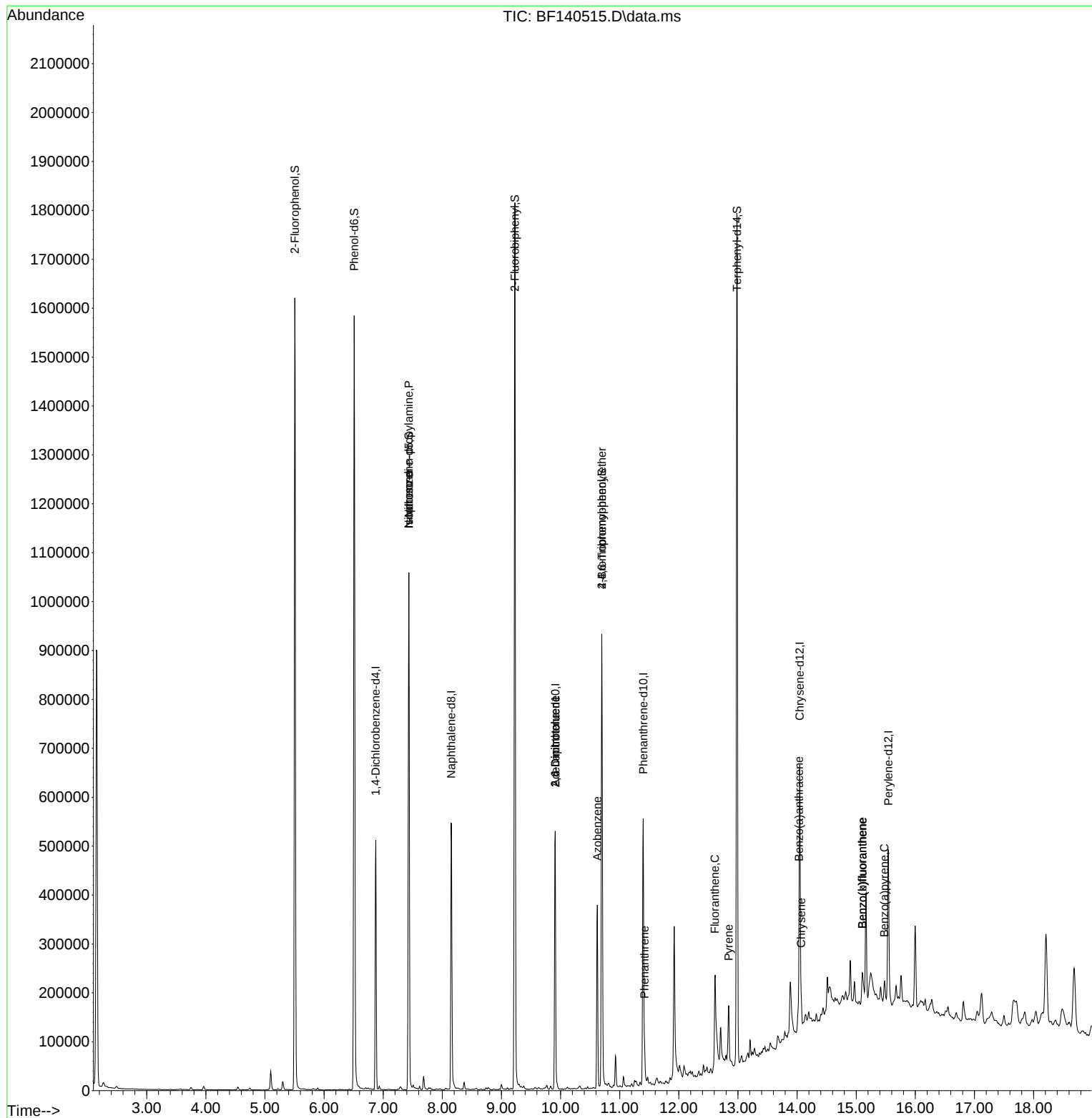
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	108224	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	360674	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164153	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	294426	20.000	ng	0.00
76) Chrysene-d12	14.045	240	239458	20.000	ng	0.00
86) Perylene-d12	15.545	264	181365	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	620699	97.924	ng	0.01
7) Phenol-d6	6.510	99	756705	88.114	ng	0.00
23) Nitrobenzene-d5	7.434	82	483971	69.914	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	159776	97.880	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	824223	80.716	ng	0.00
79) Terphenyl-d14	12.986	244	885815	64.211	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	63726	12.287	ng	# 77
25) Isophorone	7.434	82	477522	38.923	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	21741	8.913	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	21741	6.772	ng	# 20
63) Azobenzene	10.622	77	99626	9.216	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	10512	3.572	ng	# 1
71) Phenanthrene	11.422	178	35711	2.582	ng	99
75) Fluoranthene	12.610	202	79002	5.091	ng	98
78) Pyrene	12.845	202	71264	3.479	ng	98
81) Benzo(a)anthracene	14.033	228	38870	2.470	ng	96
83) Chrysene	14.068	228	35166	2.449	ng	97
88) Benzo(b)fluoranthene	15.104	252	51849	4.370	ng	# 89
89) Benzo(k)fluoranthene	15.104	252	51849	5.350	ng	# 88
90) Benzo(a)pyrene	15.474	252	22614	2.455	ng	# 87

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

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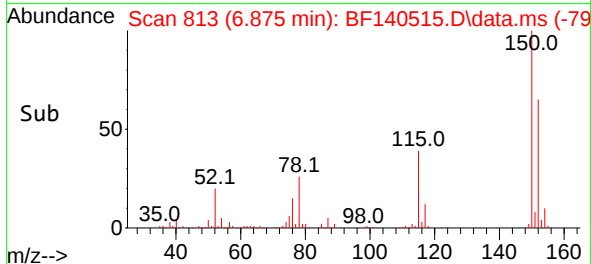
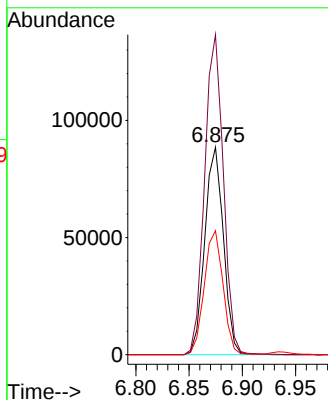
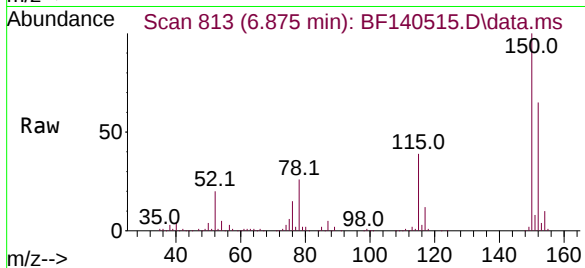




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

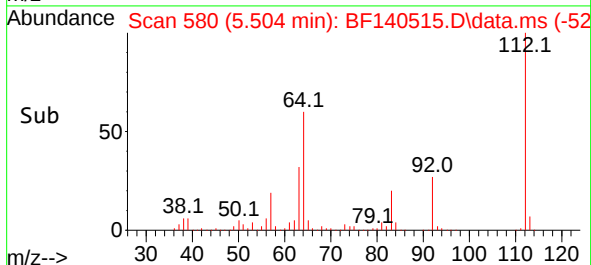
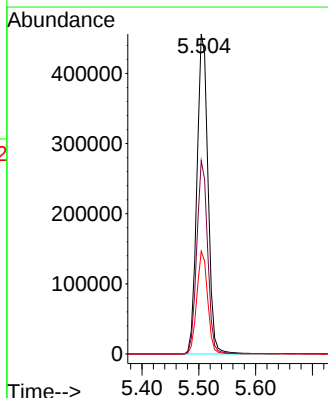
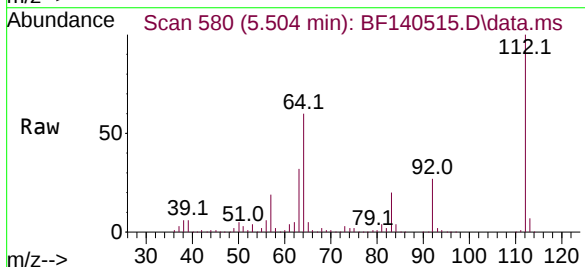
Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:152 Resp: 108224
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.0
115 59.8 47.4 71.2



#5
2-Fluorophenol
Concen: 97.924 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:112 Resp: 620699
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 32.1 25.6 38.4

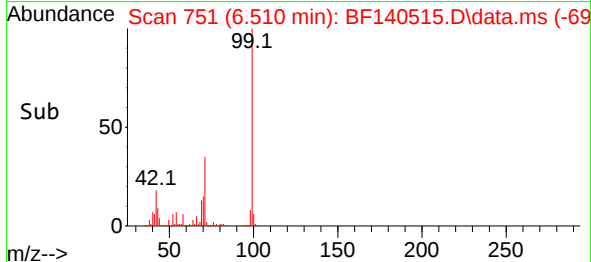
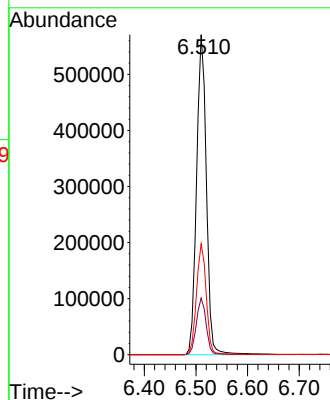
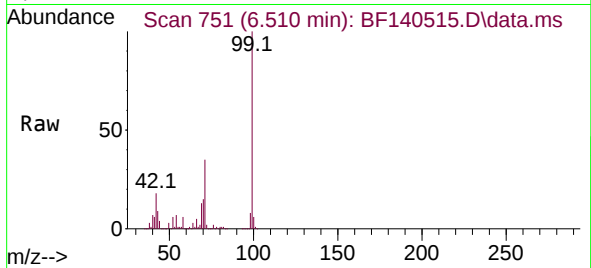




#7
Phenol-d6
Concen: 88.114 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

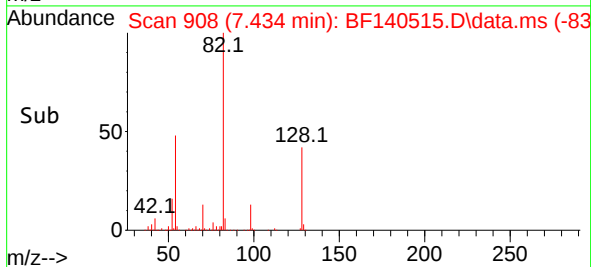
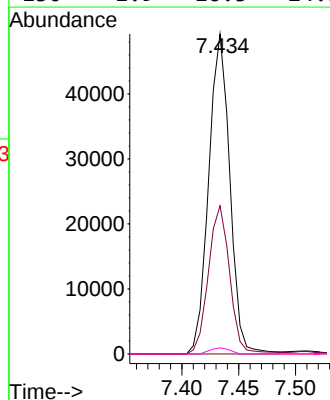
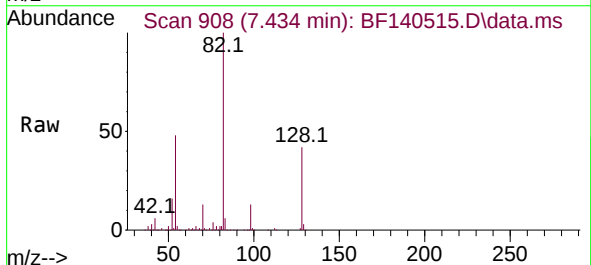
Instrument :
BNA_F
ClientSampleId :
SOIL-6

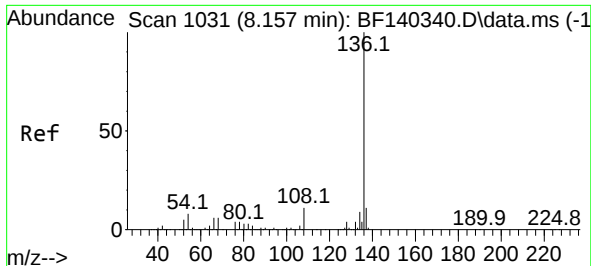
Tgt Ion: 99 Resp: 756705
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 34.7 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.287 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion: 70 Resp: 63726
Ion Ratio Lower Upper
70 100
42 46.3 46.8 70.2#
101 0.0 7.5 11.3#
130 1.9 16.3 24.5#



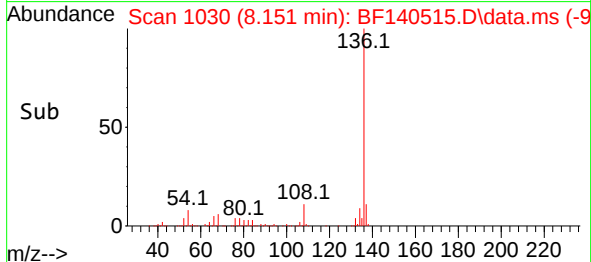
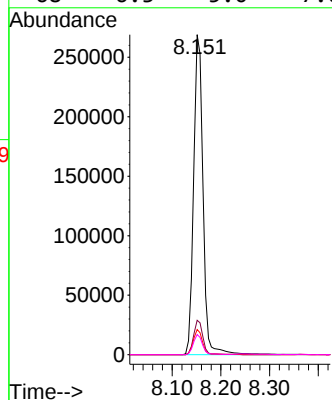
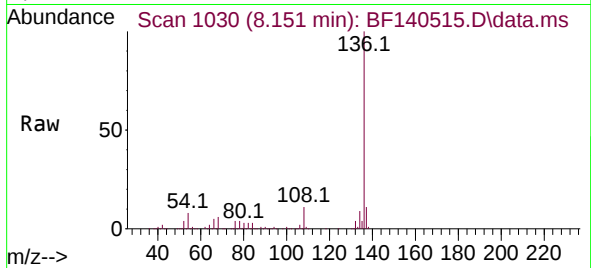


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:136 Resp: 360674

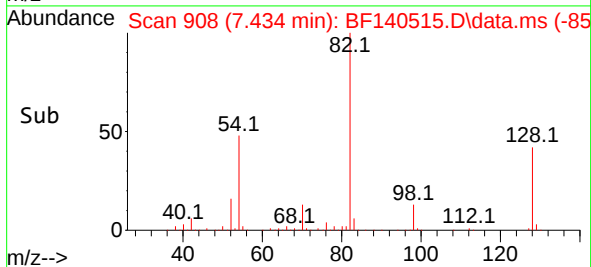
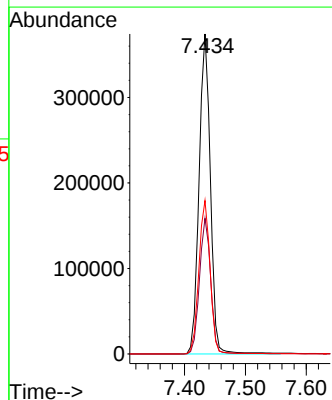
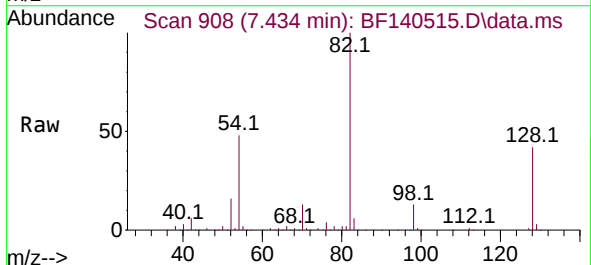
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.8	6.5	9.7
68	6.3	5.0	7.6

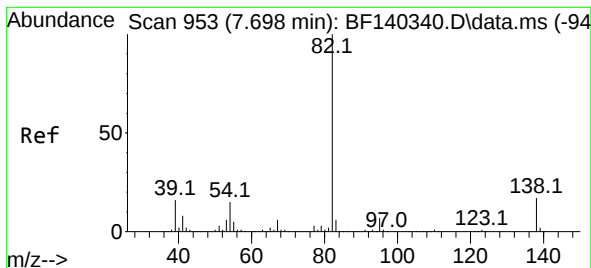


#23
Nitrobenzene-d5
Concen: 69.914 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion: 82 Resp: 483971

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	47.9	39.8	59.8





#25

Isophorone

Concen: 38.923 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

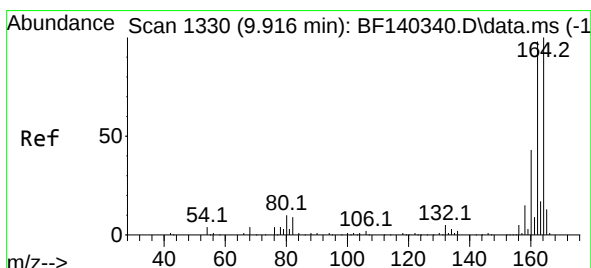
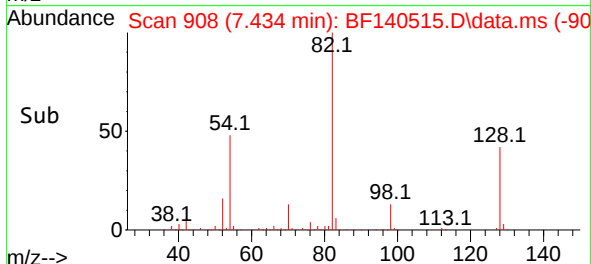
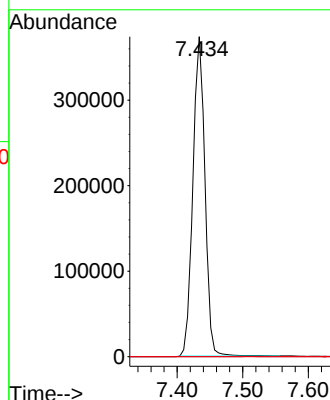
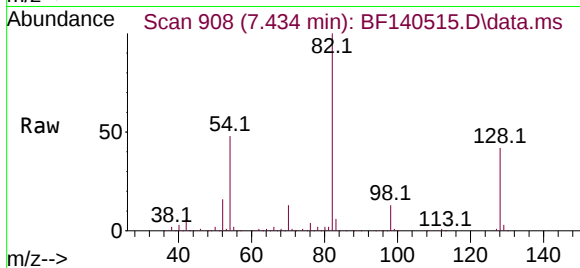
Tgt Ion: 82 Resp: 477522

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

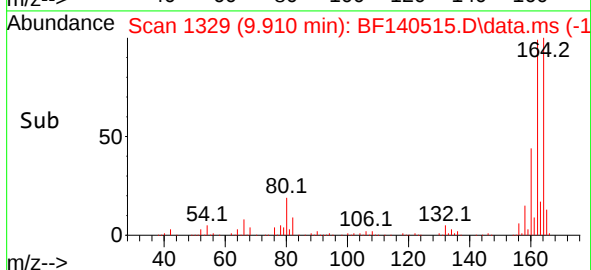
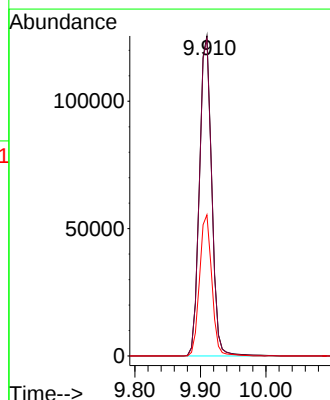
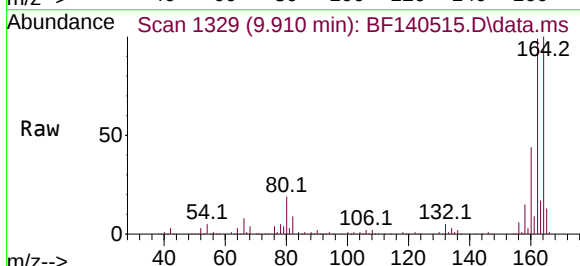
Tgt Ion:164 Resp: 164153

Ion Ratio Lower Upper

164 100

162 99.2 79.8 119.8

160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 97.880 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140515.D

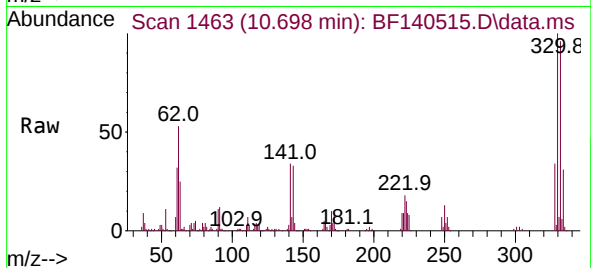
Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6



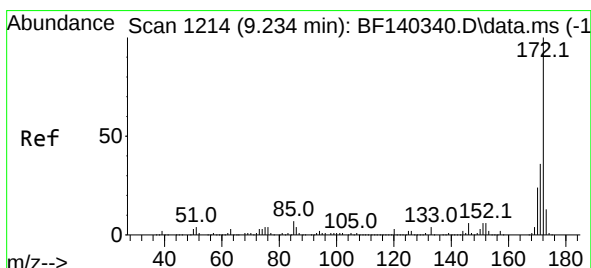
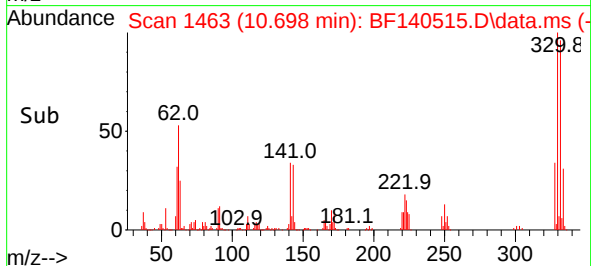
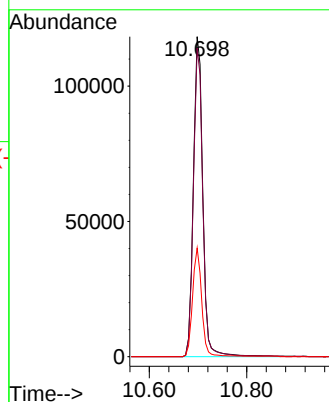
Tgt Ion:330 Resp: 159776

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

141 33.2 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 80.716 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

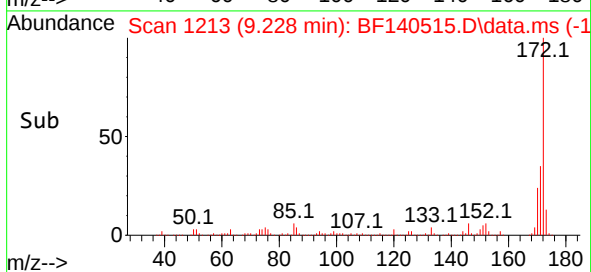
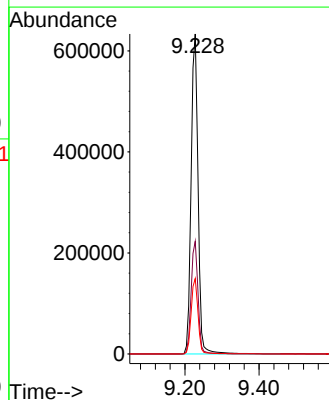
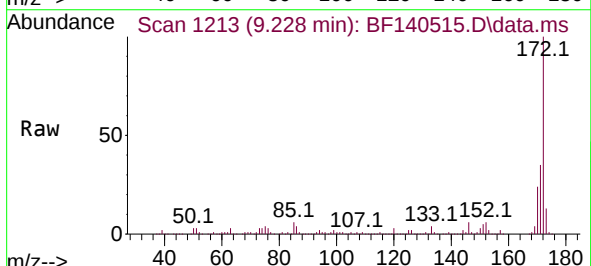
Tgt Ion:172 Resp: 824223

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.5 19.1 28.7

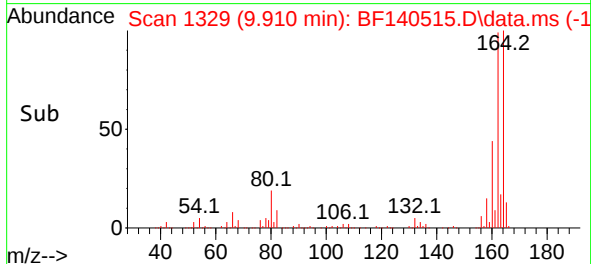
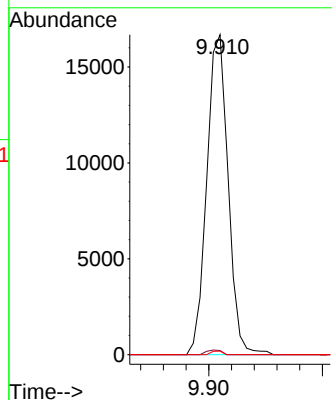
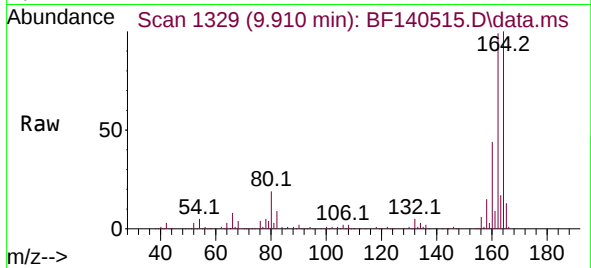




#51
2,6-Dinitrotoluene
Concen: 8.913 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

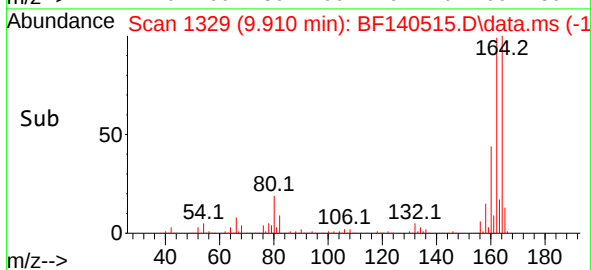
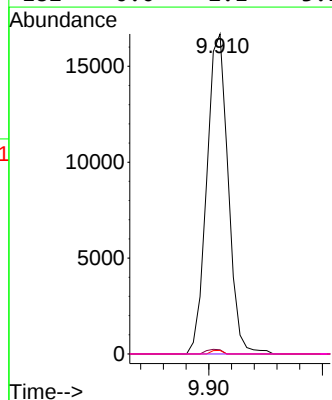
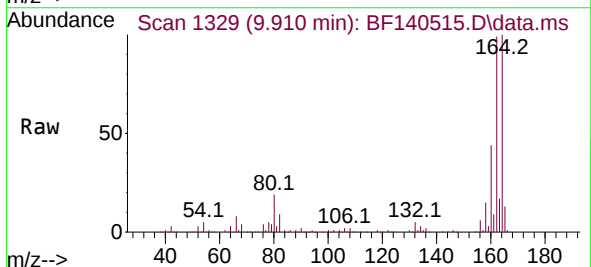
Instrument :
BNA_F
ClientSampleId :
SOIL-6

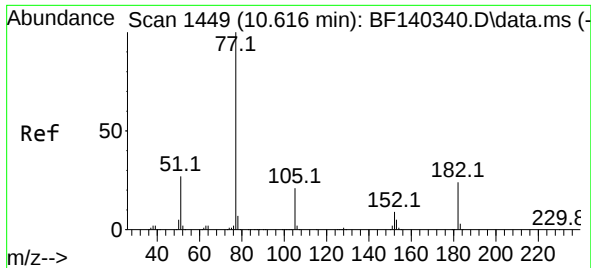
Tgt Ion:165 Resp: 21741
Ion Ratio Lower Upper
165 100
63 1.3 47.6 71.4#
89 1.1 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.772 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:165 Resp: 21741
Ion Ratio Lower Upper
165 100
63 1.3 39.4 59.0#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#

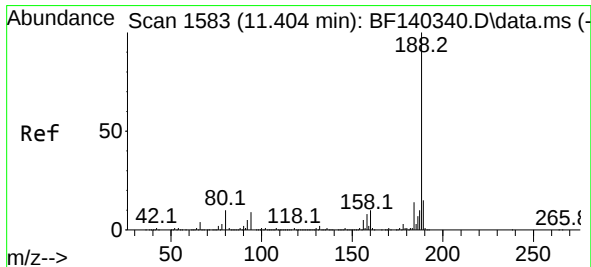
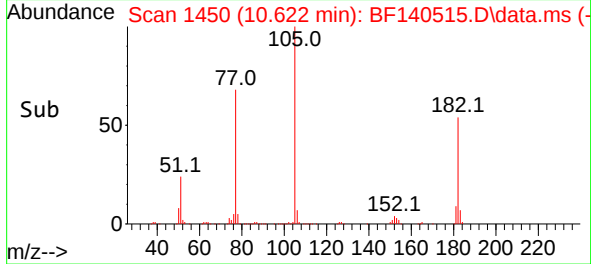
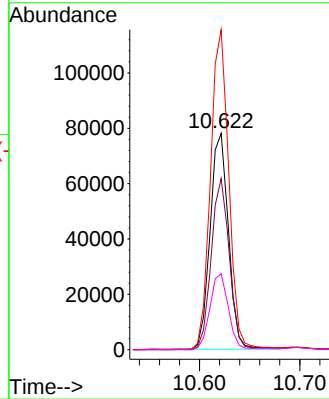
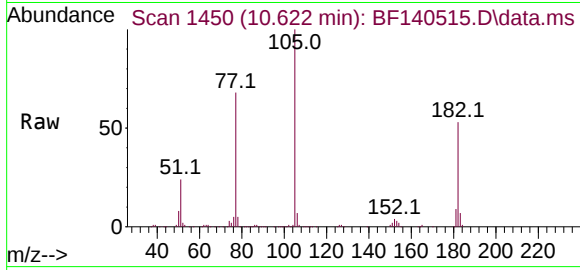




#63
Azobenzene
Concen: 9.216 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

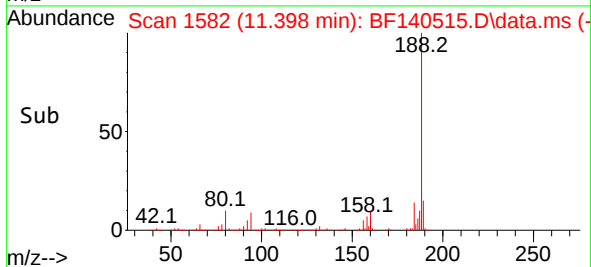
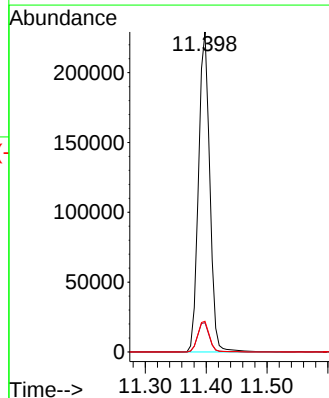
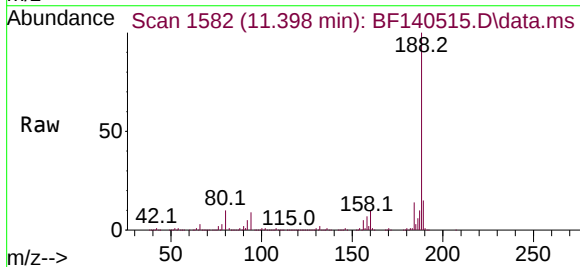
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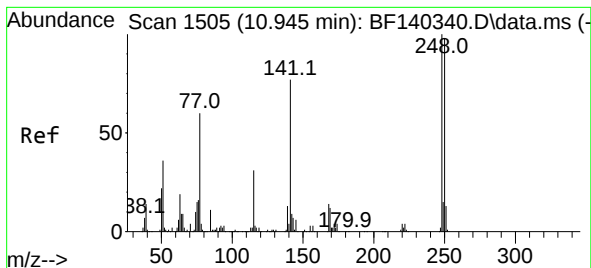
Tgt Ion: 77	Resp: 99626
Ion Ratio	Lower Upper
77 100	
182 79.1	4.6 44.6#
105 147.9	0.9 40.9#
51 35.1	8.3 48.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion: 188	Resp: 294426
Ion Ratio	Lower Upper
188 100	
94 9.1	7.6 11.4
80 9.6	8.0 12.0

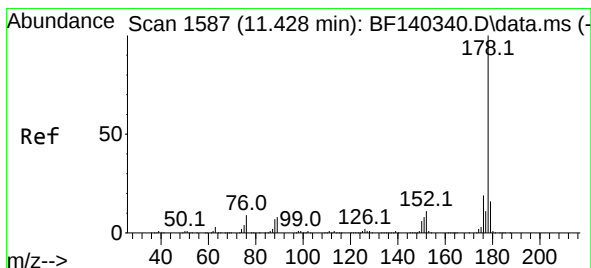
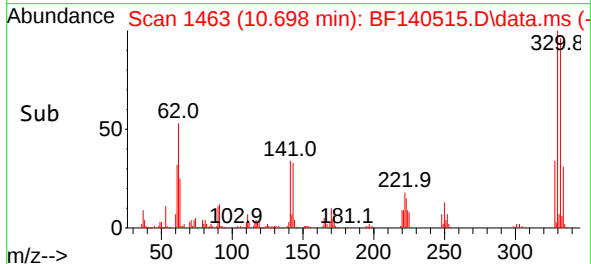
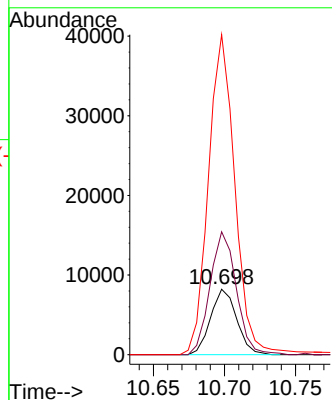
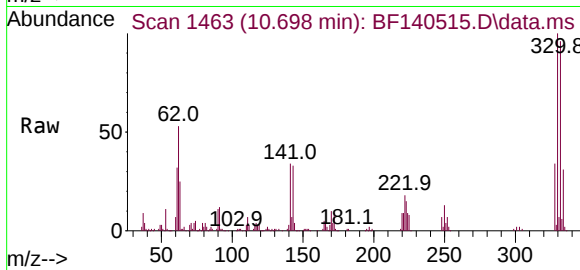




#67
4-Bromophenyl-phenylether
Concen: 3.572 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

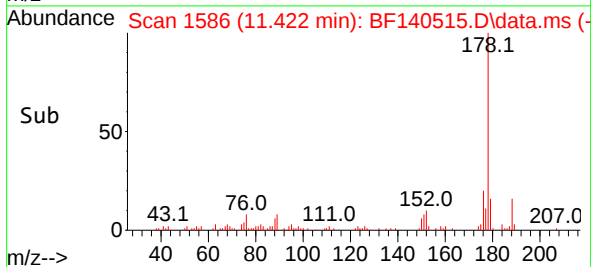
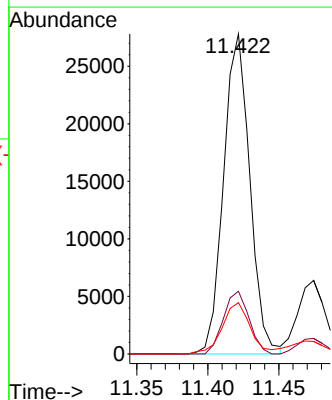
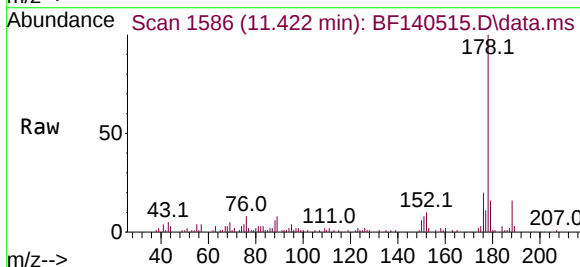
Instrument :
BNA_F
ClientSampleId :
SOIL-6

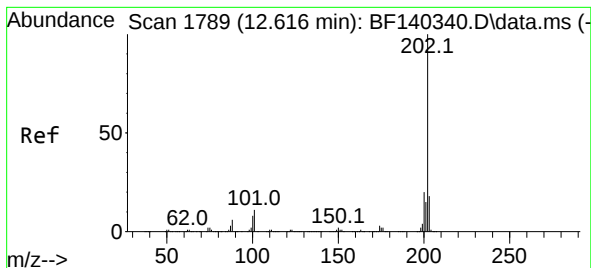
Tgt Ion:248 Resp: 10512
Ion Ratio Lower Upper
248 100
250 187.7 77.9 116.9#
141 488.9 61.8 92.6#



#71
Phenanthrene
Concen: 2.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:178 Resp: 35711
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 5.091 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

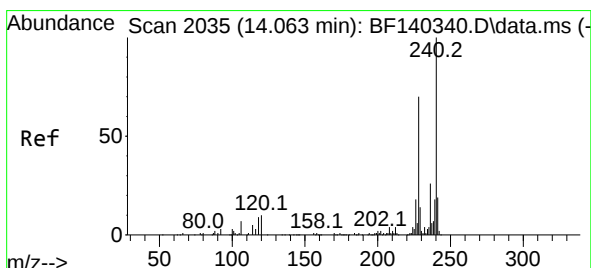
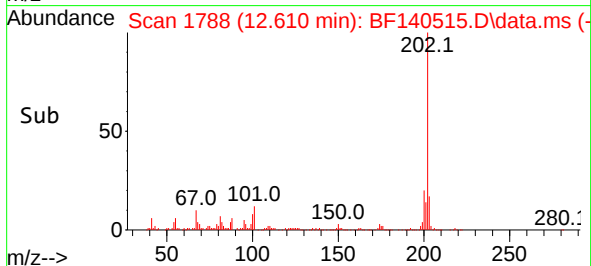
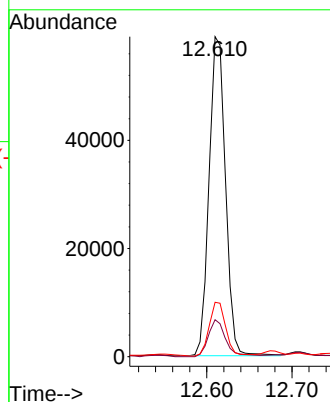
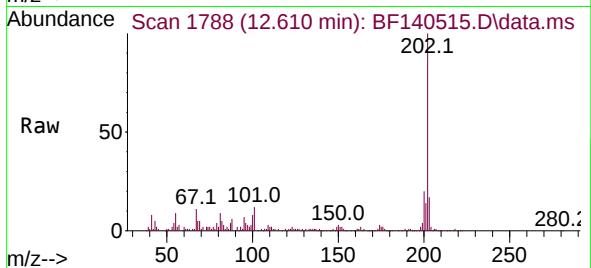
Tgt Ion:202 Resp: 79002

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.7

203 17.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

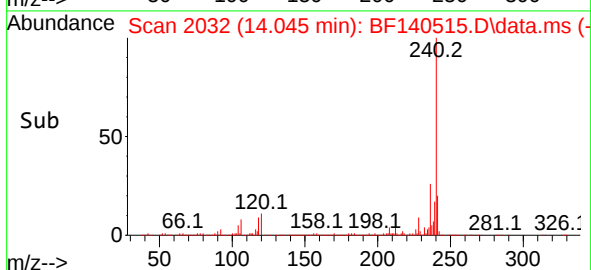
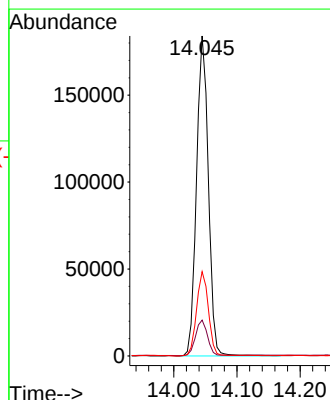
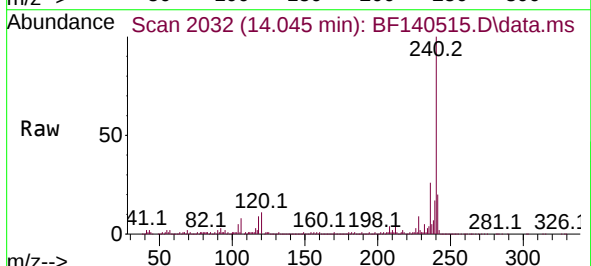
Tgt Ion:240 Resp: 239458

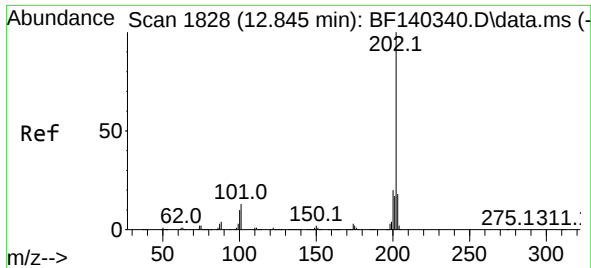
Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

236 26.4 20.9 31.3

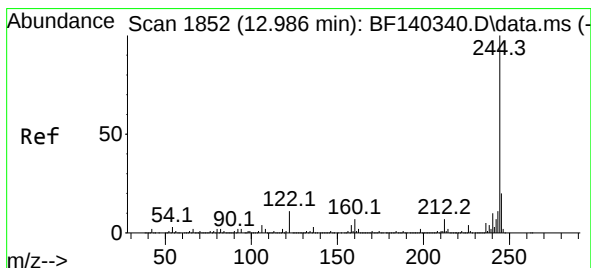
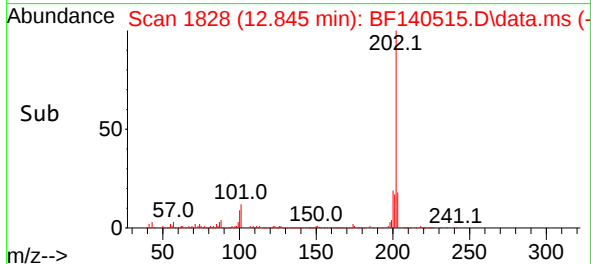
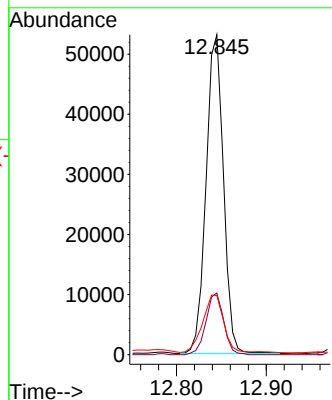
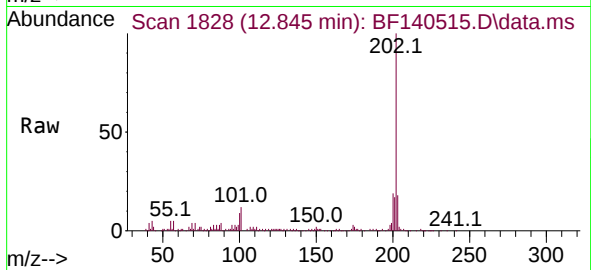




#78
 Pyrene
 Concen: 3.479 ng
 RT: 12.845 min Scan# 1828
 Delta R.T. -0.000 min
 Lab File: BF140515.D
 Acq: 20 Nov 2024 22:13

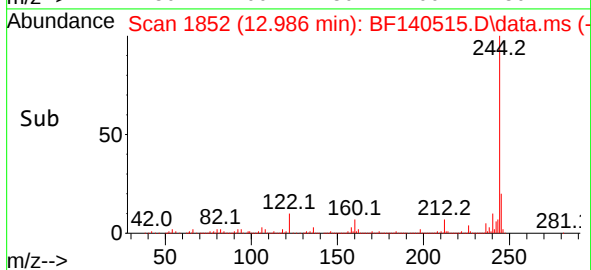
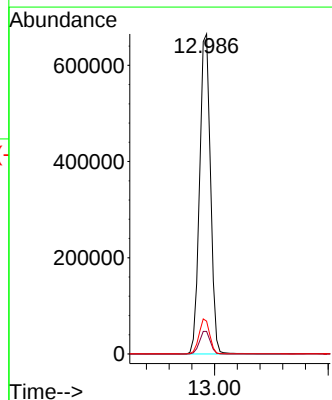
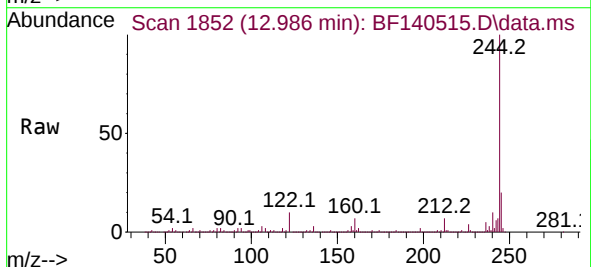
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

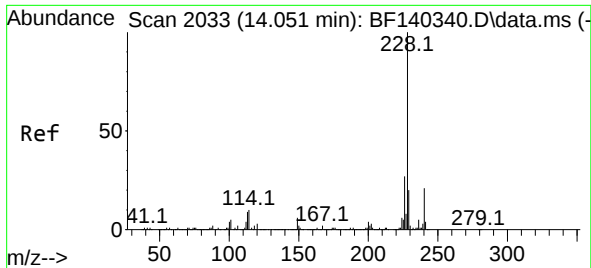
Tgt Ion:	202	Resp:	71264
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	18.5	14.2	21.4



#79
 Terphenyl-d14
 Concen: 64.211 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF140515.D
 Acq: 20 Nov 2024 22:13

Tgt Ion:	244	Resp:	885815
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	10.3	8.8	13.2

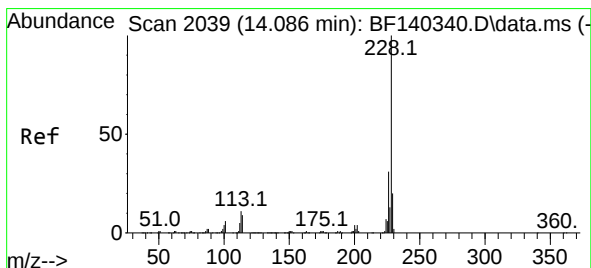
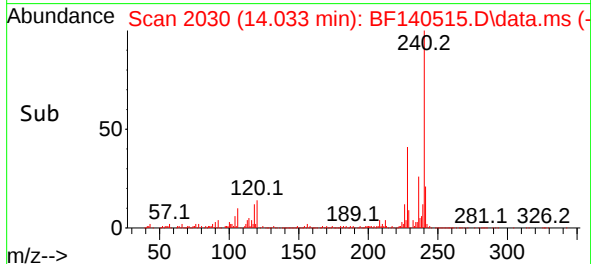
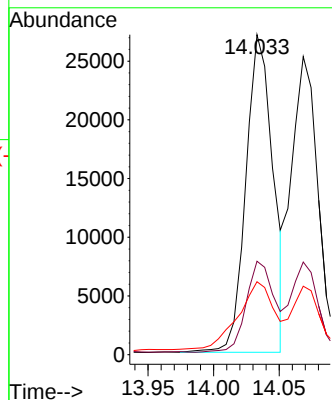
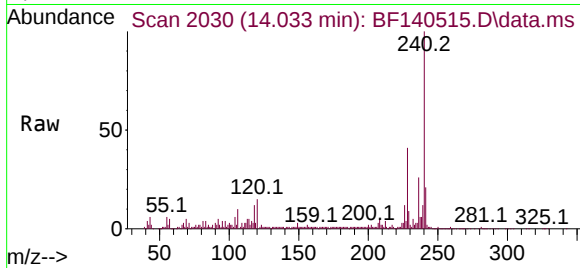




#81
Benzo(a)anthracene
Concen: 2.470 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

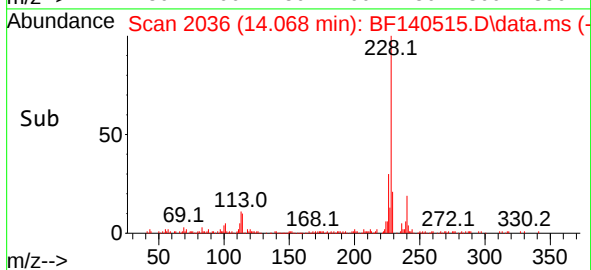
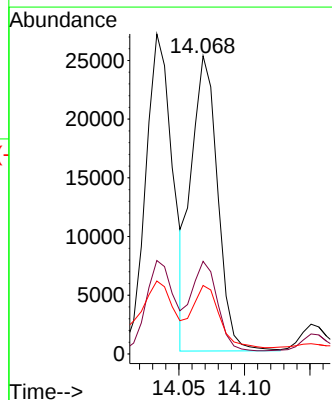
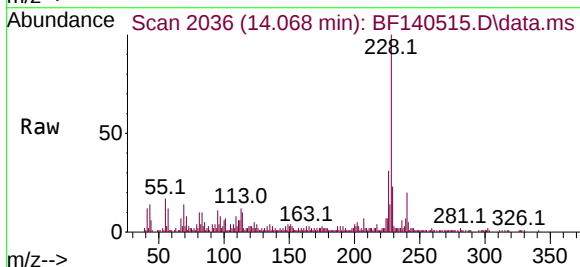
Instrument :
BNA_F
ClientSampleId :
SOIL-6

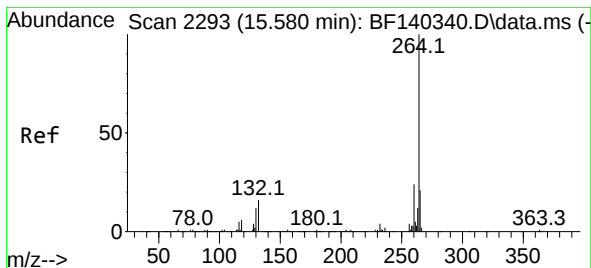
Tgt Ion:228 Resp: 38870
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 22.8 15.8 23.6



#83
Chrysene
Concen: 2.449 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:228 Resp: 35166
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 23.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

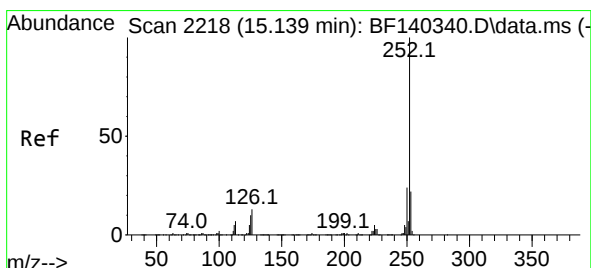
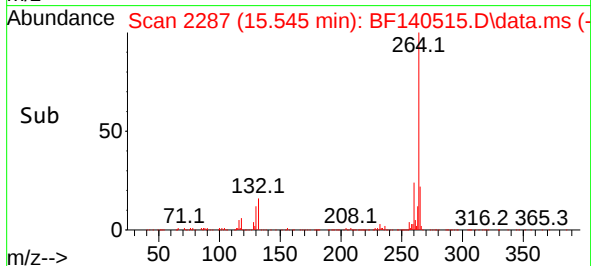
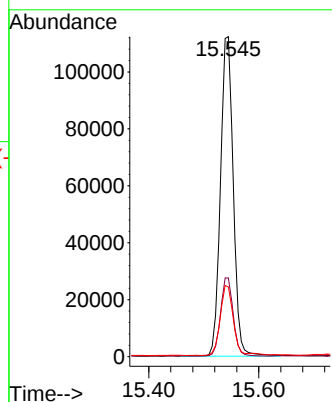
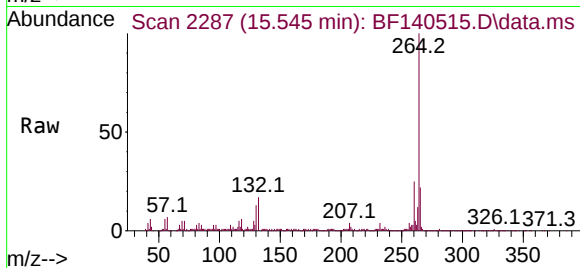
Tgt Ion:264 Resp: 181365

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.8 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 4.370 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

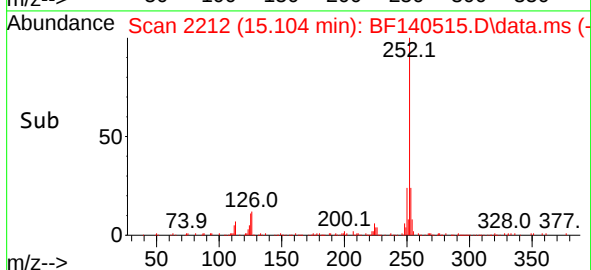
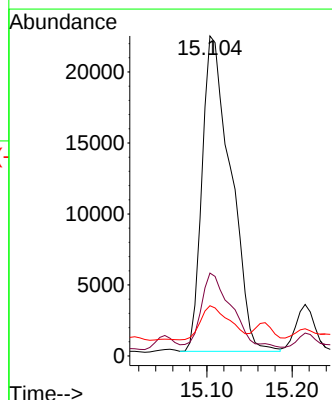
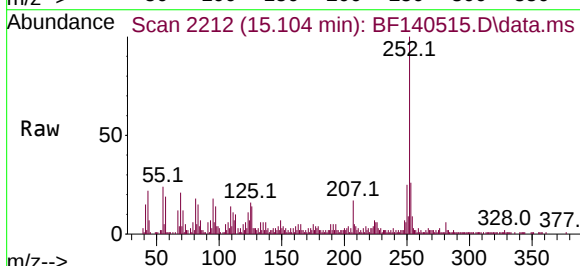
Tgt Ion:252 Resp: 51849

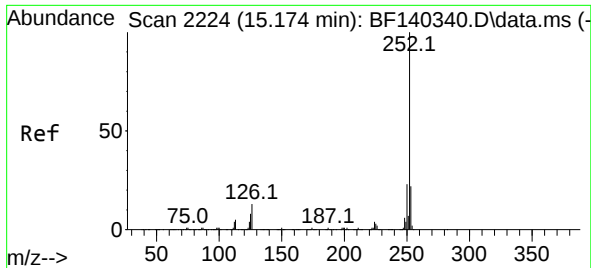
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 15.7 8.0 12.0#

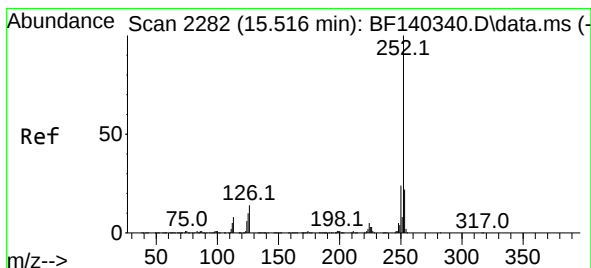
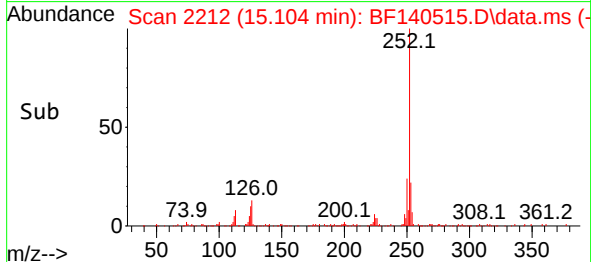
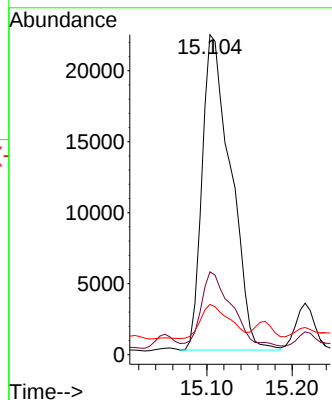
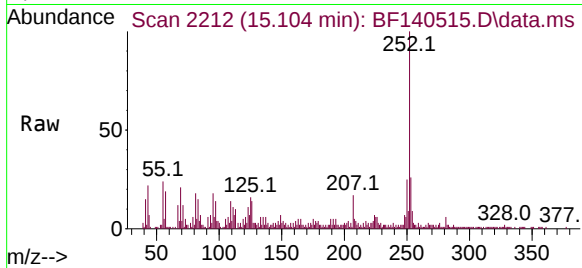




#89
Benzo(k)fluoranthene
Concen: 5.350 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:252 Resp: 51849
Ion Ratio Lower Upper
252 100
253 25.9 17.3 25.9
125 15.7 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.455 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.018 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:252 Resp: 22614
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 19.2 8.4 12.6#

