

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140514.D
 Acq On : 20 Nov 2024 21:47
 Operator : RC/JU
 Sample : P4822-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

Quant Time: Nov 21 00:08:57 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)

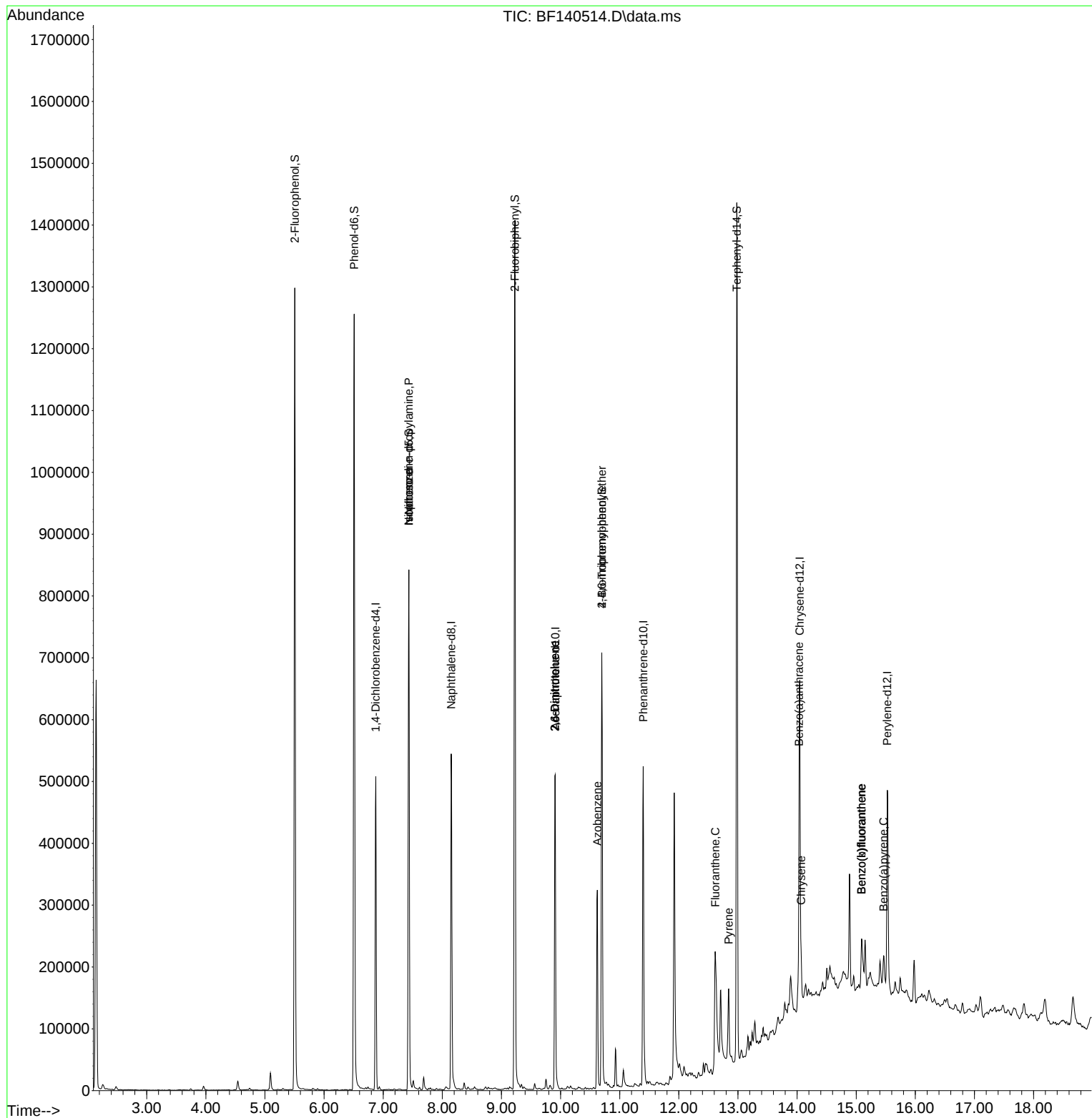
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	107776	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	358604	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	160401	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	277554	20.000	ng	0.00
76) Chrysene-d12	14.045	240	237366	20.000	ng	0.00
86) Perylene-d12	15.527	264	185982	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	493240	78.139	ng	0.01
7) Phenol-d6	6.510	99	600728	70.242	ng	0.00
23) Nitrobenzene-d5	7.434	82	379536	55.144	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	120023	75.247	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	660647	66.210	ng	0.00
79) Terphenyl-d14	12.980	244	681030	49.802	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	51090	9.891	ng	# 76
25) Isophorone	7.434	82	376474	30.863	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19941	8.366	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	19941	6.357	ng	# 20
63) Azobenzene	10.622	77	86782	8.216	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7896	2.846	ng	# 1
75) Fluoranthene	12.616	202	76786	5.249	ng	99
78) Pyrene	12.845	202	70519	3.473	ng	99
81) Benzo(a)anthracene	14.033	228	54516	3.495	ng	97
83) Chrysene	14.068	228	44675	3.139	ng	97
88) Benzo(b)fluoranthene	15.092	252	63768	5.241	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	63768	6.416	ng	# 93
90) Benzo(a)pyrene	15.462	252	26849	2.842	ng	# 89

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

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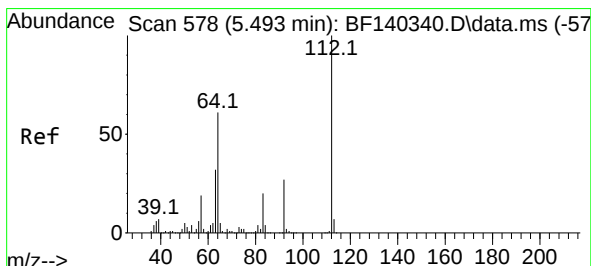
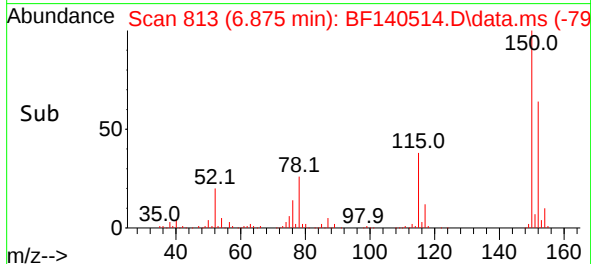
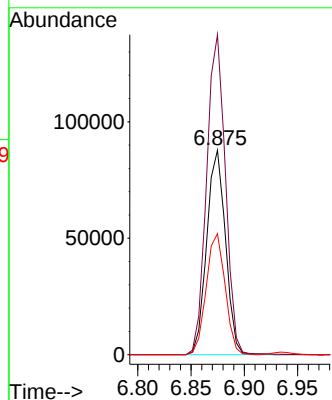
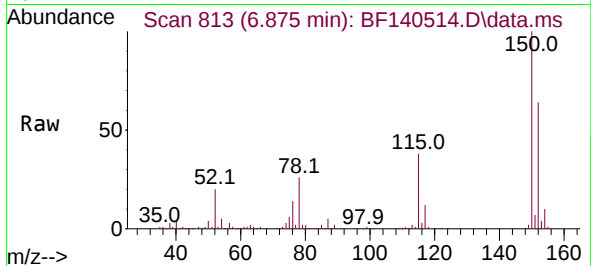




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

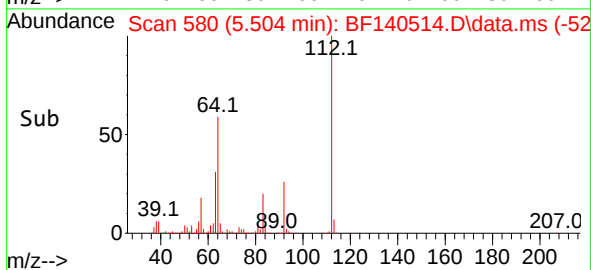
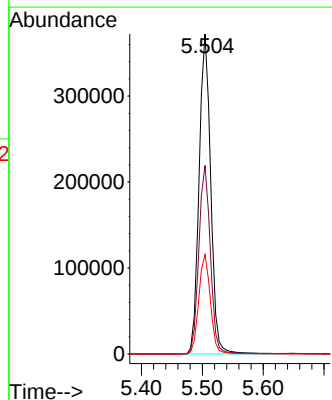
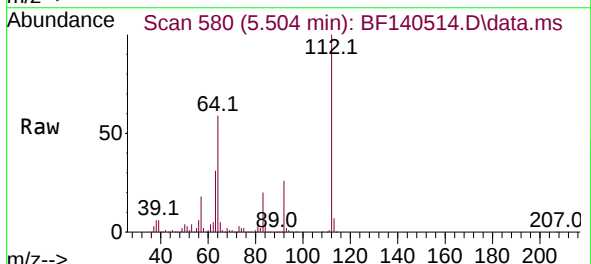
Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tgt Ion:152 Resp: 107776
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 59.2 47.4 71.2



#5
2-Fluorophenol
Concen: 78.139 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:112 Resp: 493240
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 31.0 25.6 38.4





#7

Phenol-d6

Concen: 70.242 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

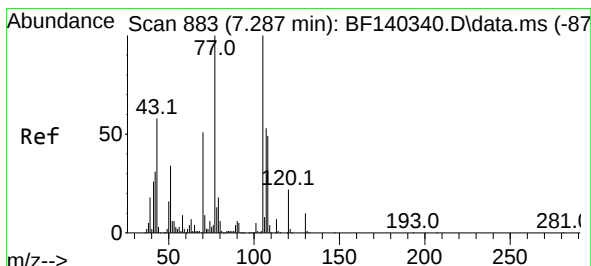
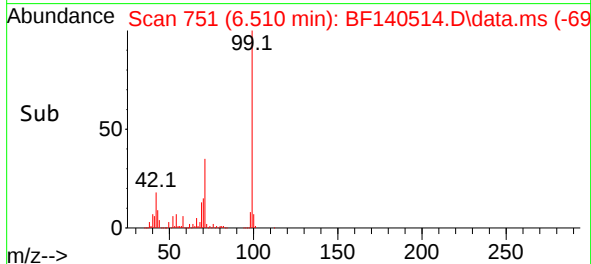
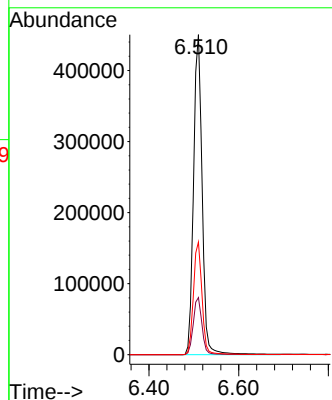
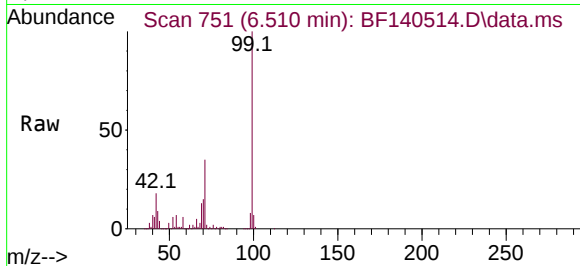
Tgt Ion: 99 Resp: 600728

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

71 35.2 27.9 41.9



#19

n-Nitroso-di-n-propylamine

Concen: 9.891 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.141 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion: 70 Resp: 51090

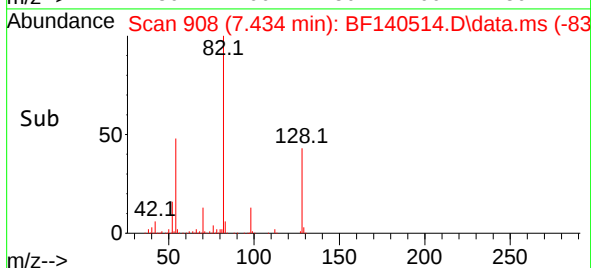
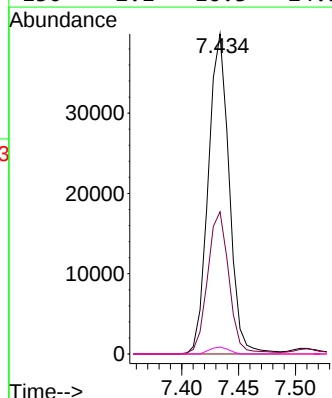
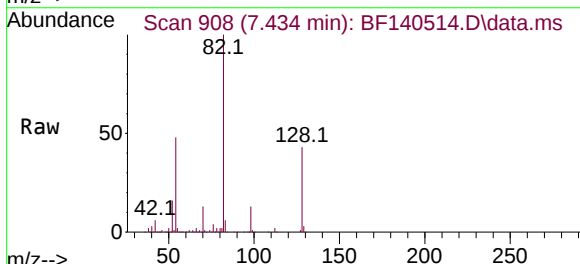
Ion Ratio Lower Upper

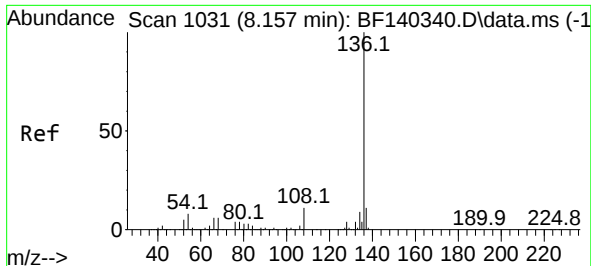
70 100

42 44.4 46.8 70.2#

101 0.0 7.5 11.3#

130 2.1 16.3 24.5#



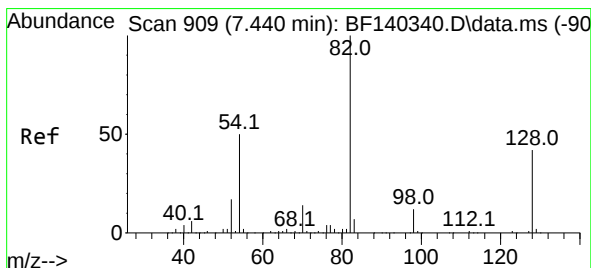
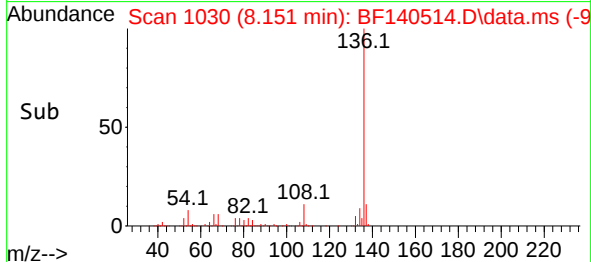
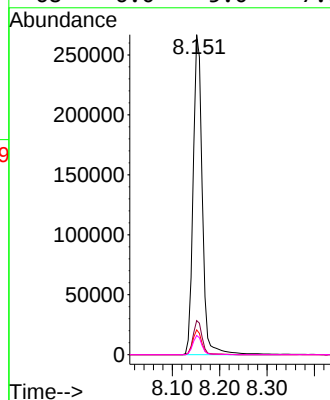
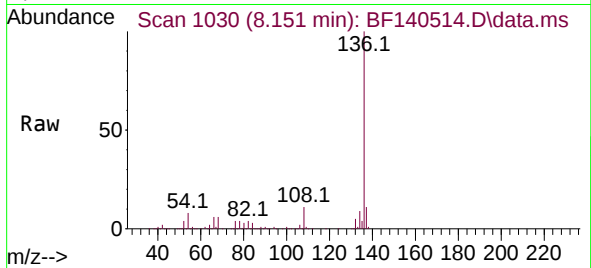


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tgt Ion:136 Resp: 358604

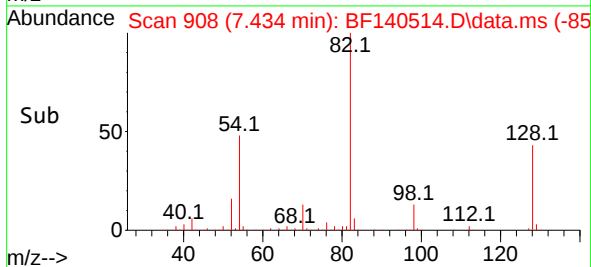
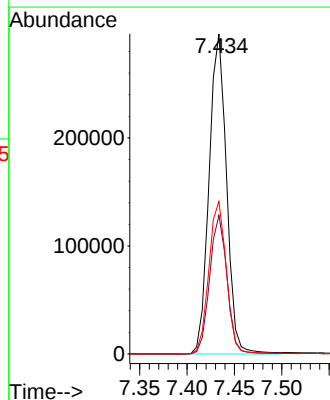
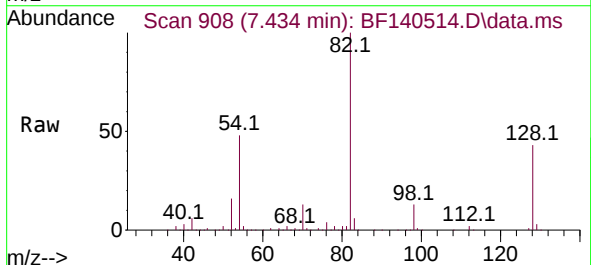
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.8	6.5	9.7
68	6.0	5.0	7.6

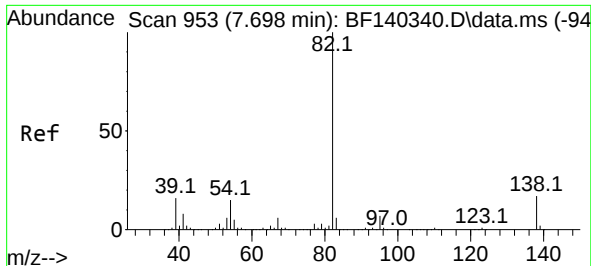


#23
Nitrobenzene-d5
Concen: 55.144 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion: 82 Resp: 379536

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.3	49.9
54	47.7	39.8	59.8

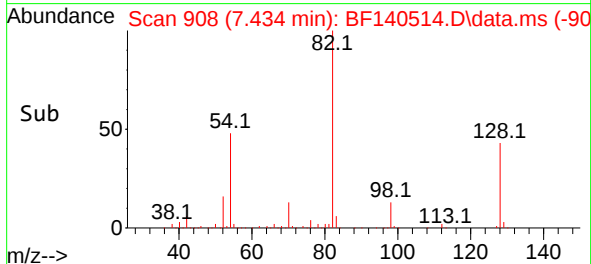
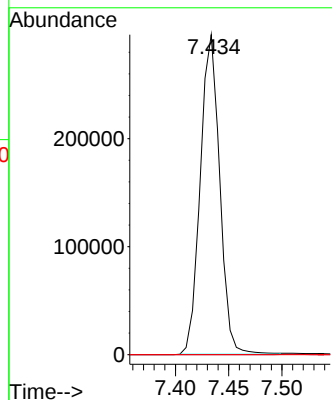
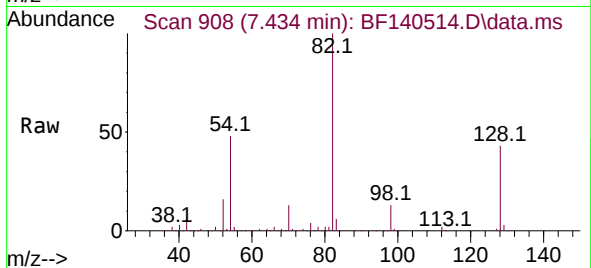




#25
Isophorone
Concen: 30.863 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

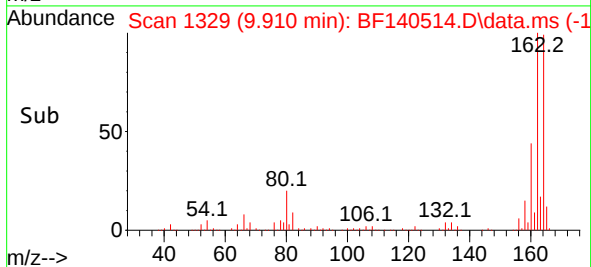
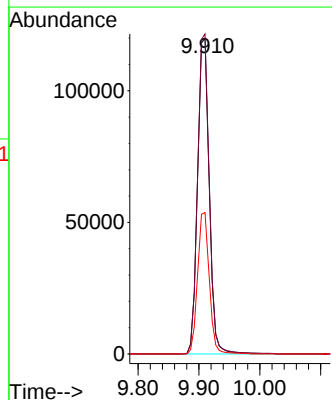
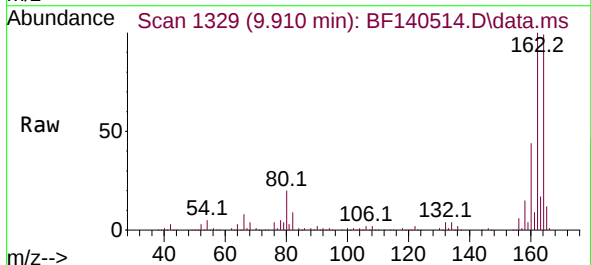
Instrument :
BNA_F
ClientSampleId :
SOIL-5

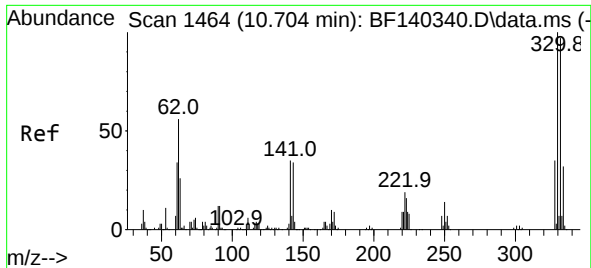
Tgt Ion: 82 Resp: 376474
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:164 Resp: 160401
Ion Ratio Lower Upper
164 100
162 101.4 79.8 119.8
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 75.247 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

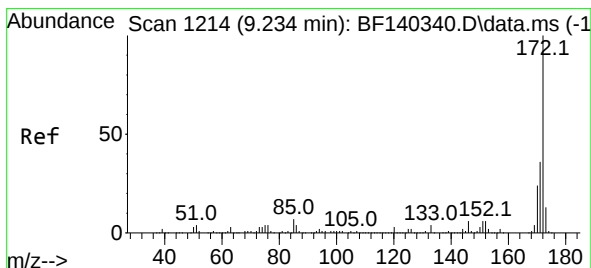
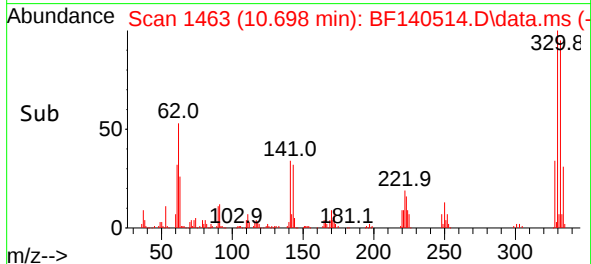
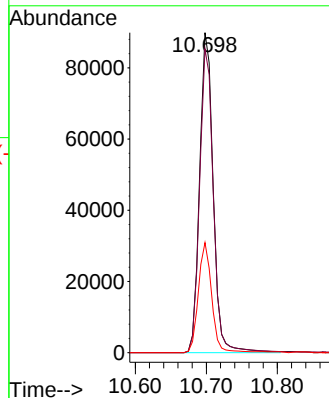
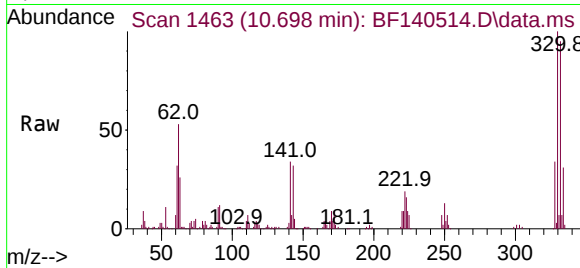
Tgt Ion:330 Resp: 120023

Ion Ratio Lower Upper

330 100

332 96.5 75.9 113.9

141 33.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 66.210 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

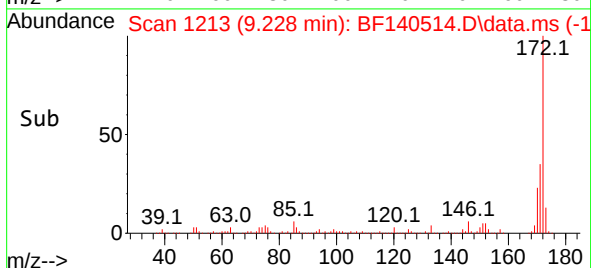
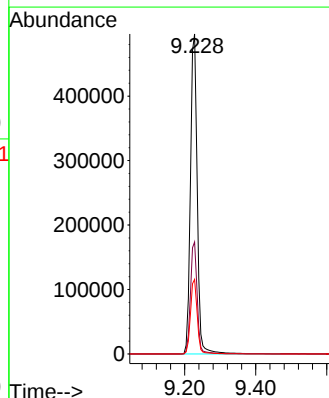
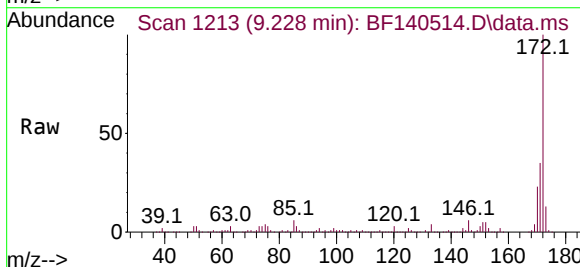
Tgt Ion:172 Resp: 660647

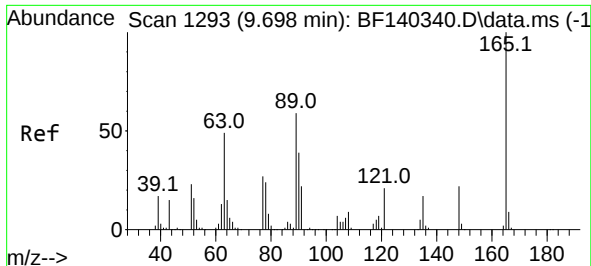
Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 23.3 19.1 28.7

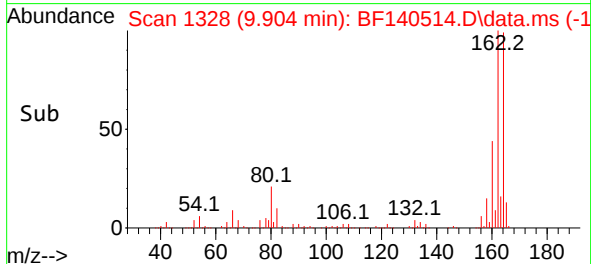
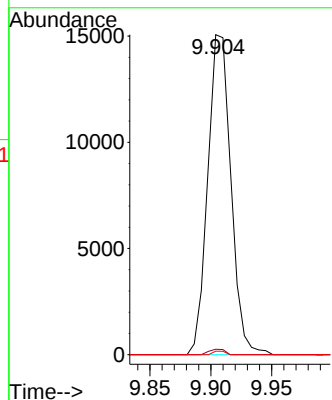
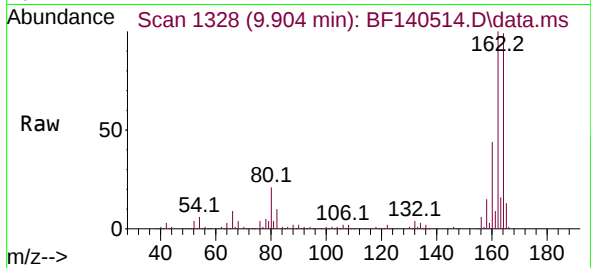




#51
2,6-Dinitrotoluene
Concen: 8.366 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

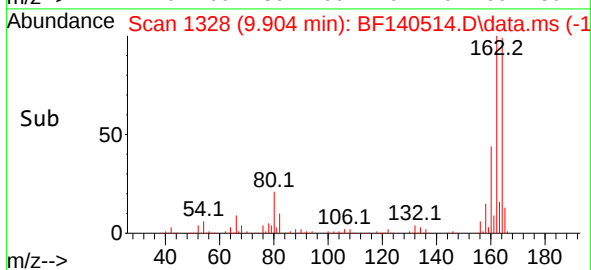
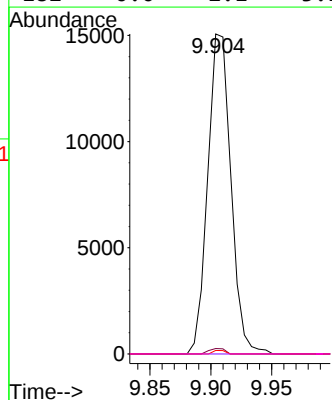
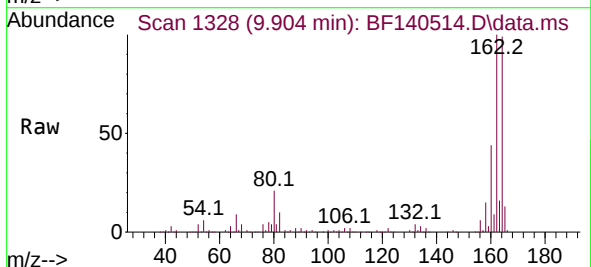
Instrument :
BNA_F
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SOIL-5

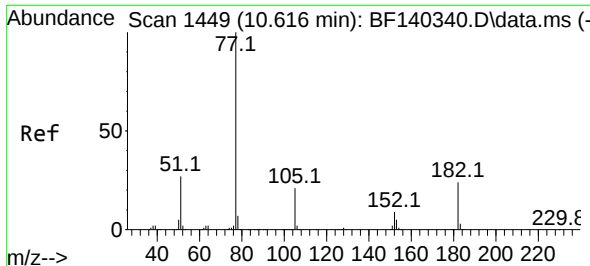
Tgt Ion:165 Resp: 19941
Ion Ratio Lower Upper
165 100
63 1.7 47.6 71.4#
89 1.1 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.357 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:165 Resp: 19941
Ion Ratio Lower Upper
165 100
63 1.7 39.4 59.0#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#

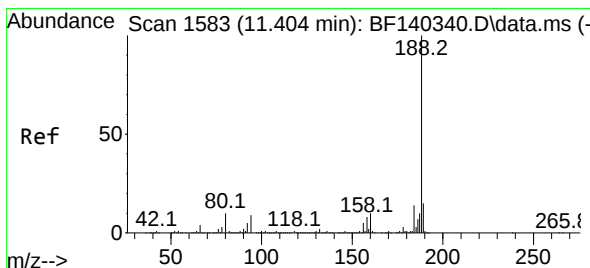
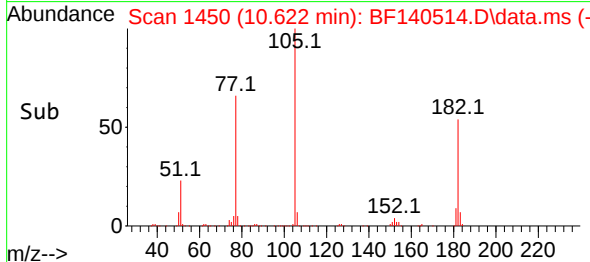
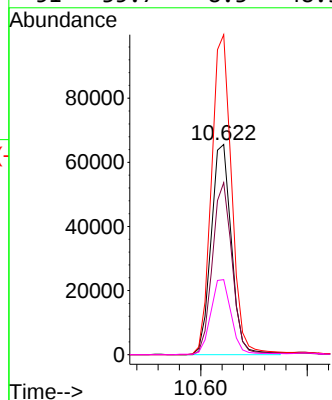
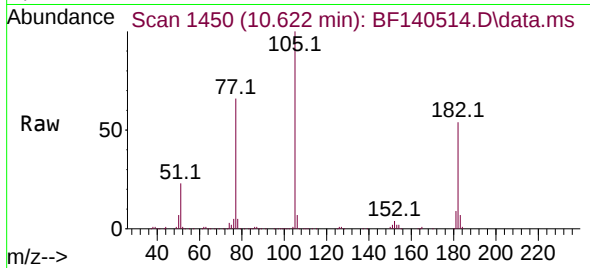




#63
Azobenzene
Concen: 8.216 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

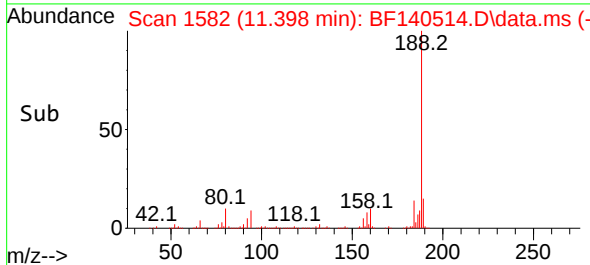
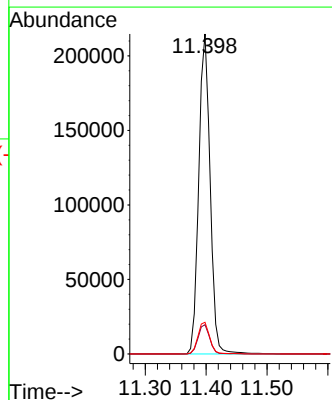
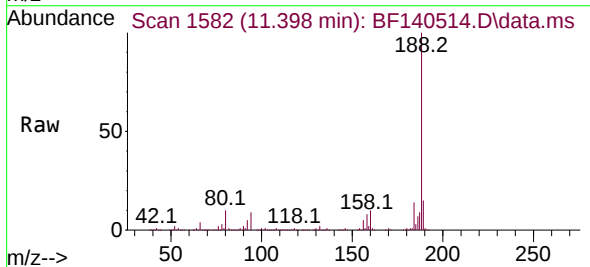
Instrument :
BNA_F
ClientSampleId :
SOIL-5

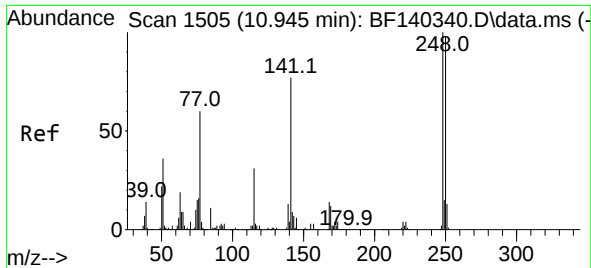
Tgt Ion: 77	Resp: 86782
Ion Ratio	Lower Upper
77 100	
182 81.8	4.6 44.6#
105 152.2	0.9 40.9#
51 35.7	8.3 48.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion: 188	Resp: 277554
Ion Ratio	Lower Upper
188 100	
94 9.2	7.6 11.4
80 9.9	8.0 12.0

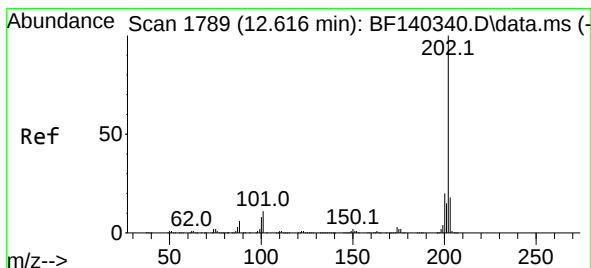
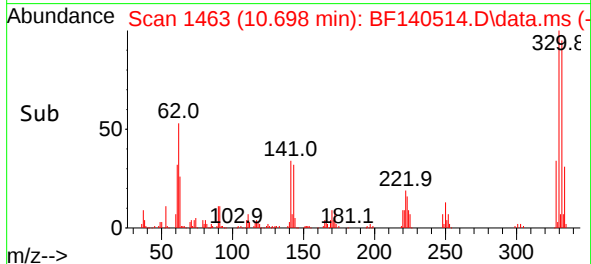
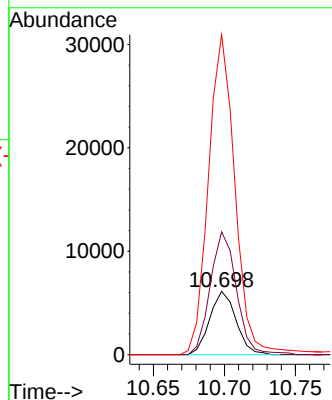
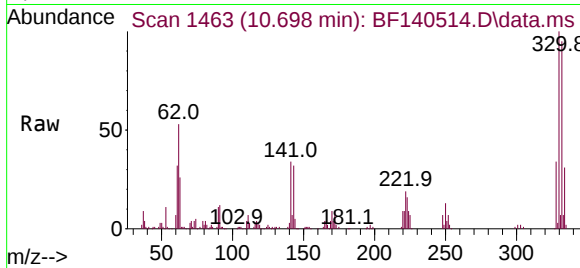




#67
4-Bromophenyl-phenylether
Concen: 2.846 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

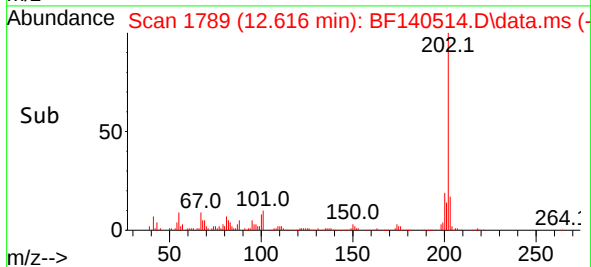
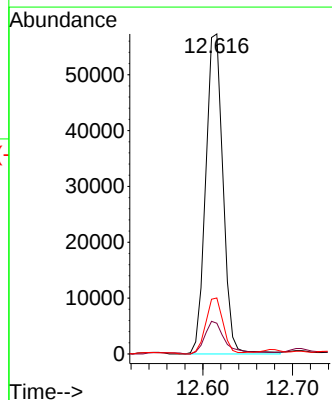
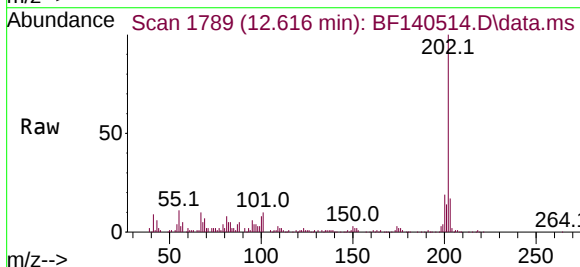
Instrument :
BNA_F
ClientSampleId :
SOIL-5

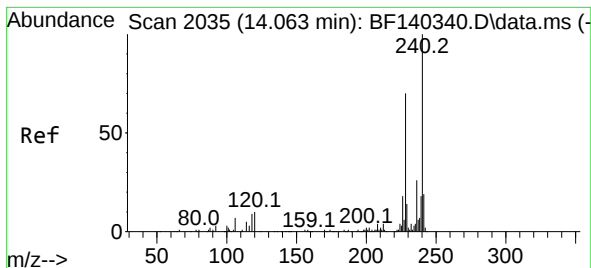
Tgt Ion:248 Resp: 7896
Ion Ratio Lower Upper
248 100
250 194.2 77.9 116.9#
141 505.6 61.8 92.6#



#75
Fluoranthene
Concen: 5.249 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:202 Resp: 76786
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.7
203 17.5 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: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

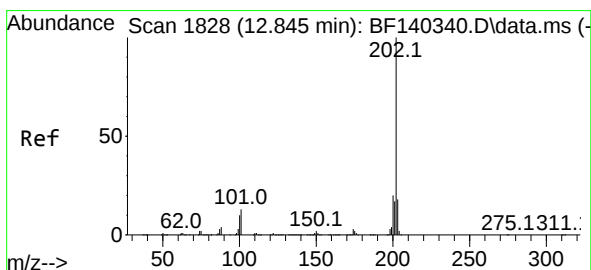
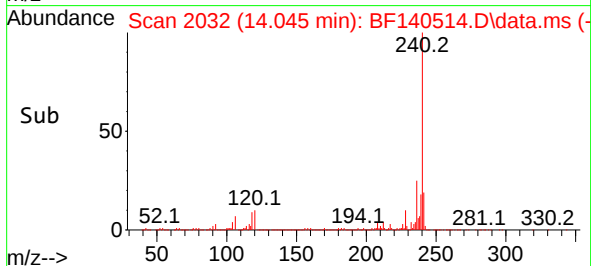
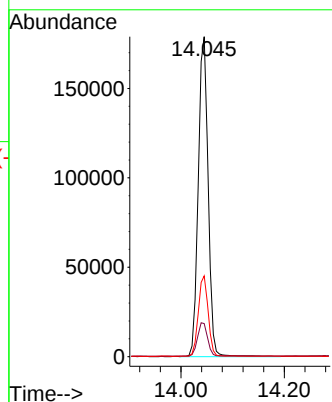
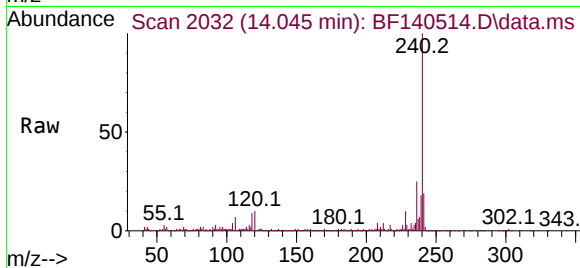
Tgt Ion:240 Resp: 237366

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 25.3 20.9 31.3



#78

Pyrene

Concen: 3.473 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

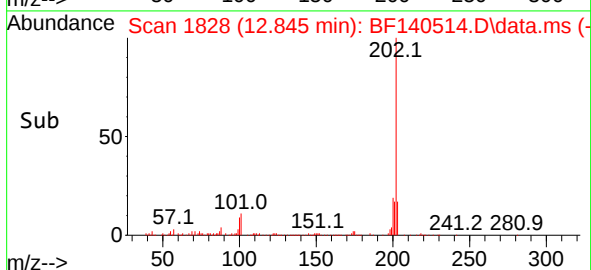
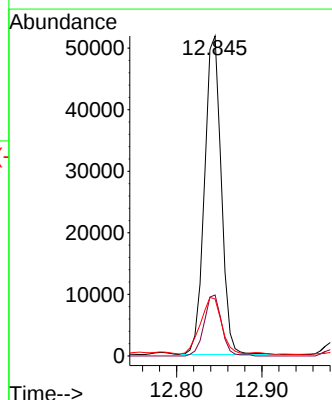
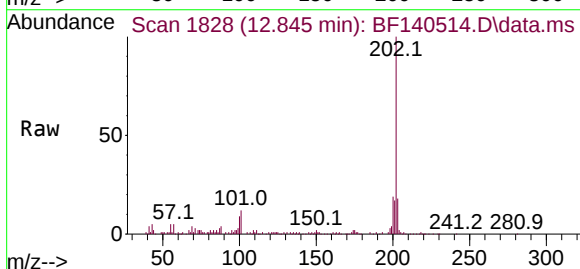
Tgt Ion:202 Resp: 70519

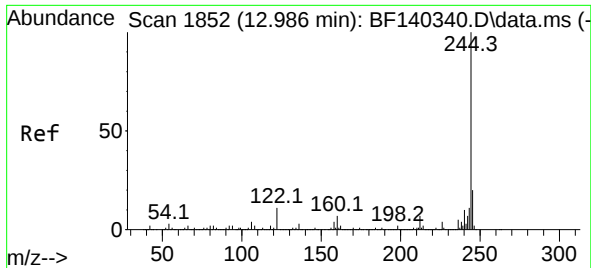
Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

203 17.8 14.2 21.4

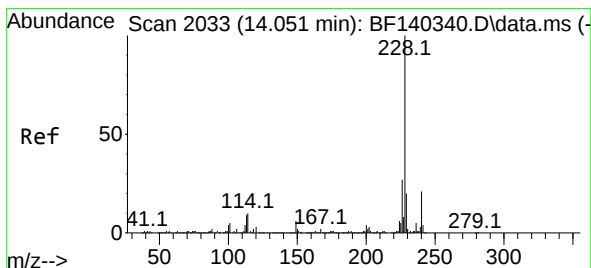
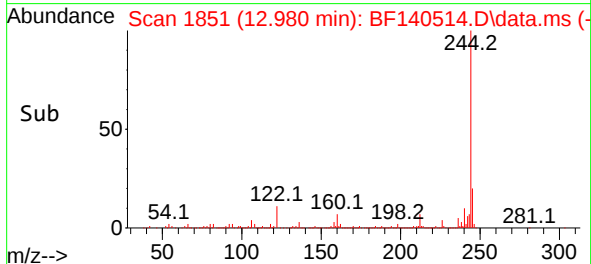
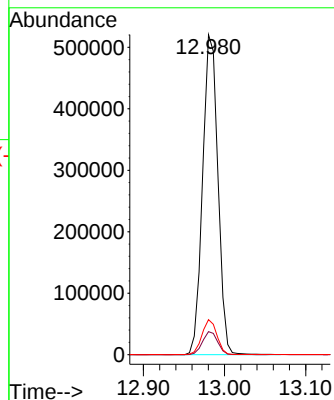
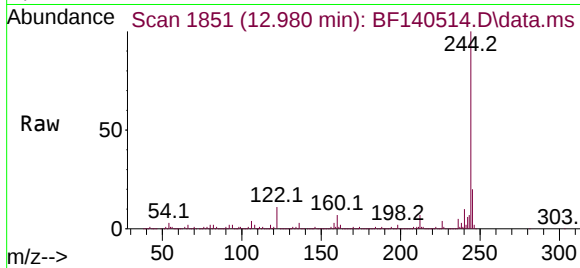




#79
 Terphenyl-d14
 Concen: 49.802 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140514.D
 Acq: 20 Nov 2024 21:47

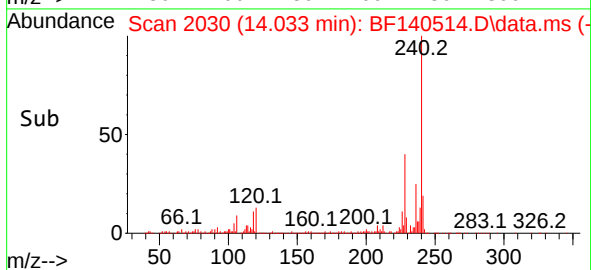
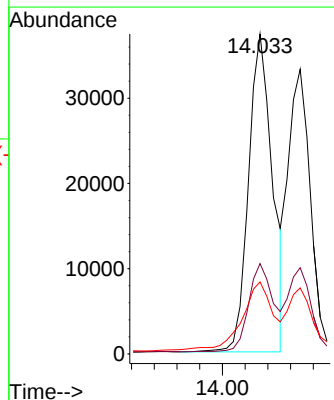
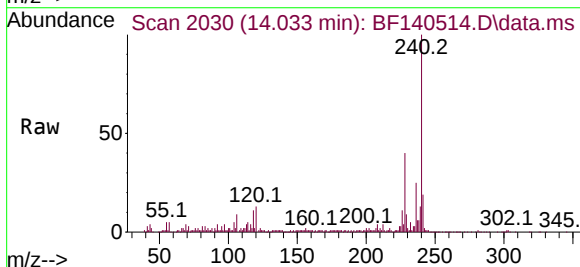
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

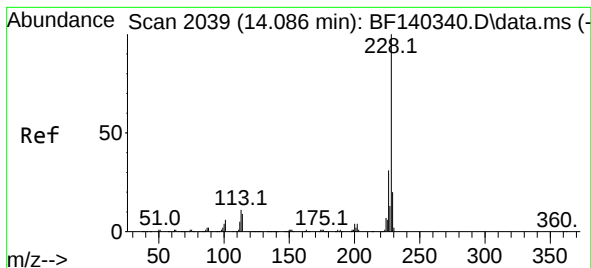
Tgt Ion:244 Resp: 681030
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.495 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140514.D
 Acq: 20 Nov 2024 21:47

Tgt Ion:228 Resp: 54516
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.2 33.4
 229 22.5 15.8 23.6





#83

Chrysene

Concen: 3.139 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

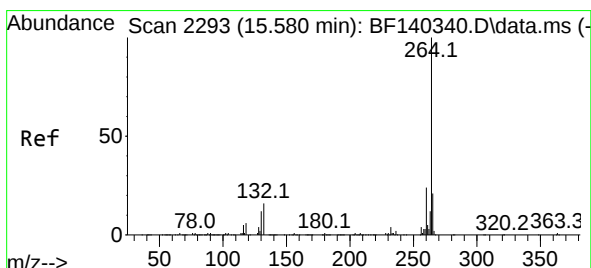
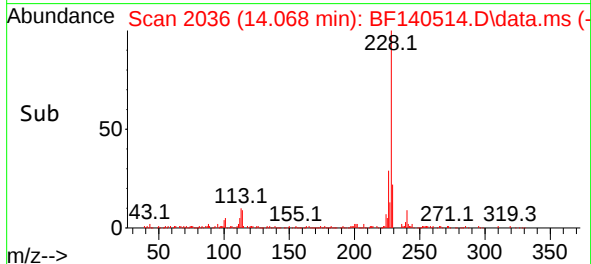
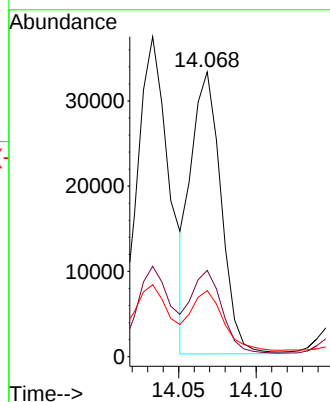
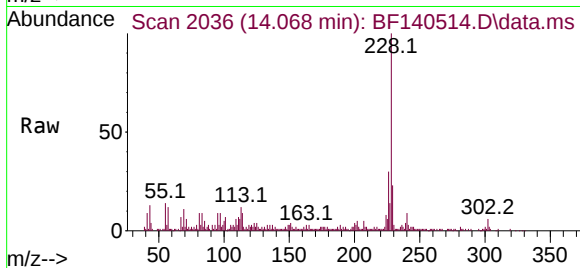
Instrument :

BNA_F

ClientSampleId :

SOIL-5

Tgt Ion:228	Resp:	44675
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.5 36.7
229	23.2	16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

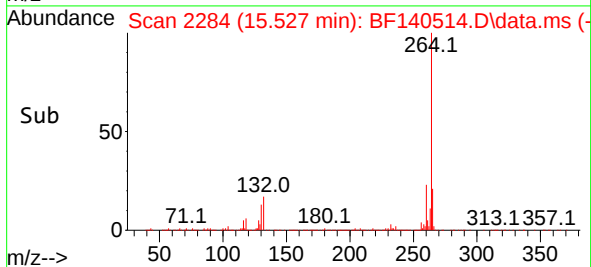
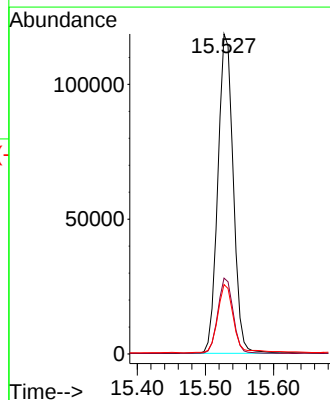
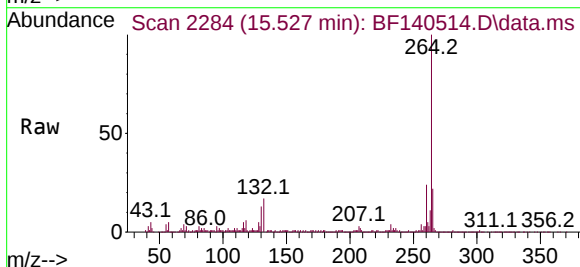
RT: 15.527 min Scan# 2284

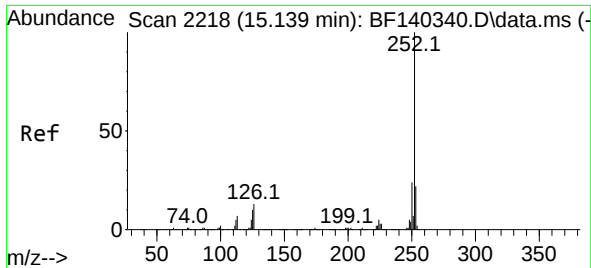
Delta R.T. -0.030 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:264	Resp:	185982
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.2 28.8
265	21.7	17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 5.241 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.024 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

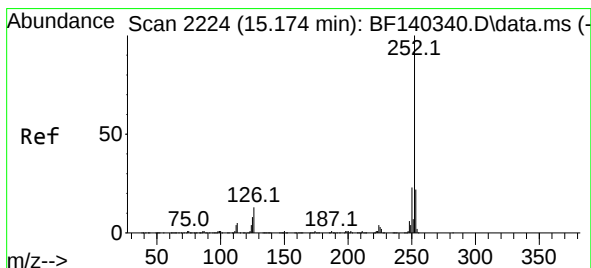
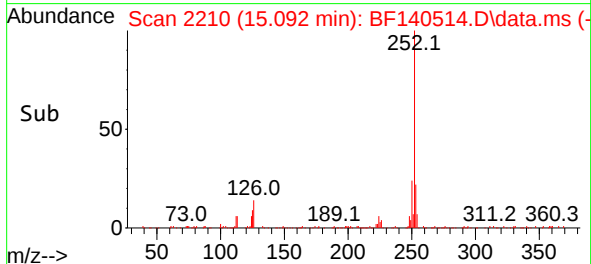
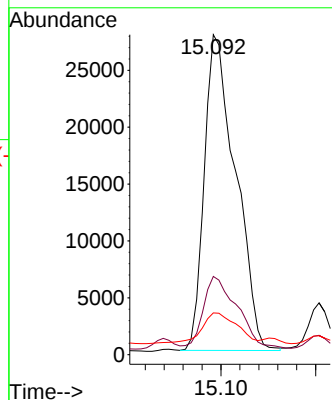
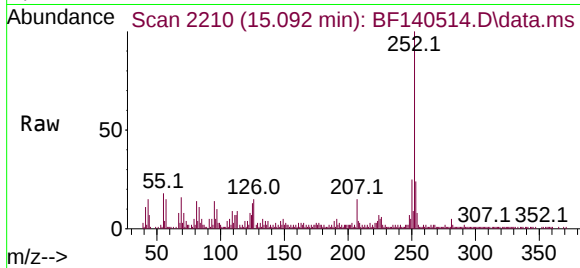
Tgt Ion:252 Resp: 63768

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 13.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 6.416 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.059 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

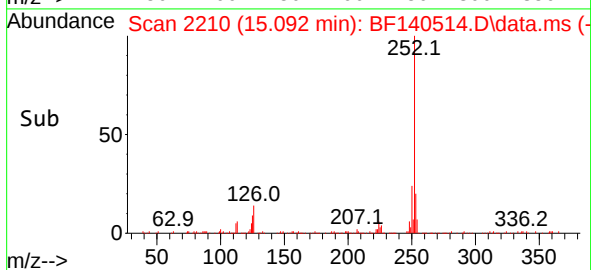
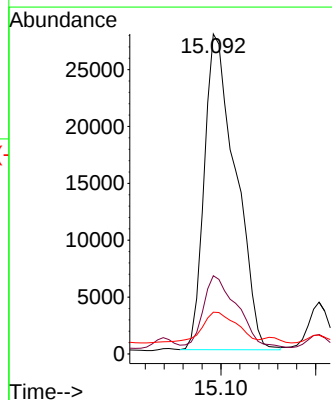
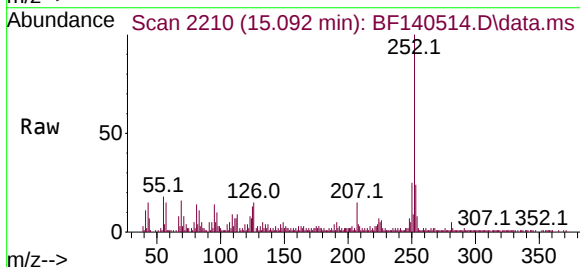
Tgt Ion:252 Resp: 63768

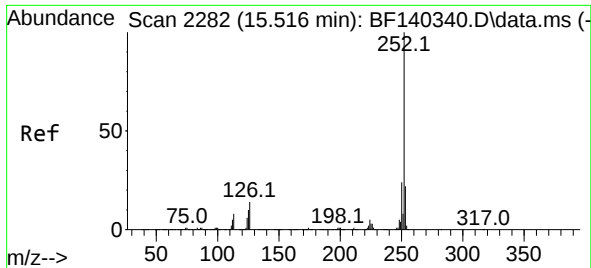
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

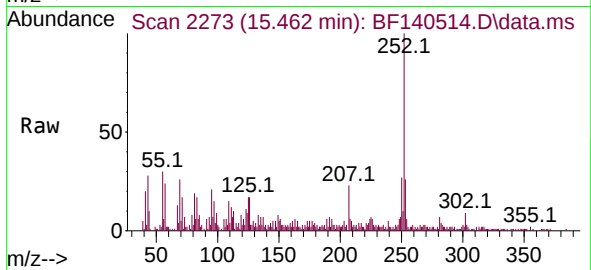
125 13.0 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.842 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Instrument :
BNA_F
ClientSampleId :
SOIL-5



Tgt Ion:252 Resp: 26849
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.6
125 17.2 8.4 12.6#

