

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140516.D
 Acq On : 20 Nov 2024 22:40
 Operator : RC/JU
 Sample : P4822-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Quant Time: Nov 21 00:09:28 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)

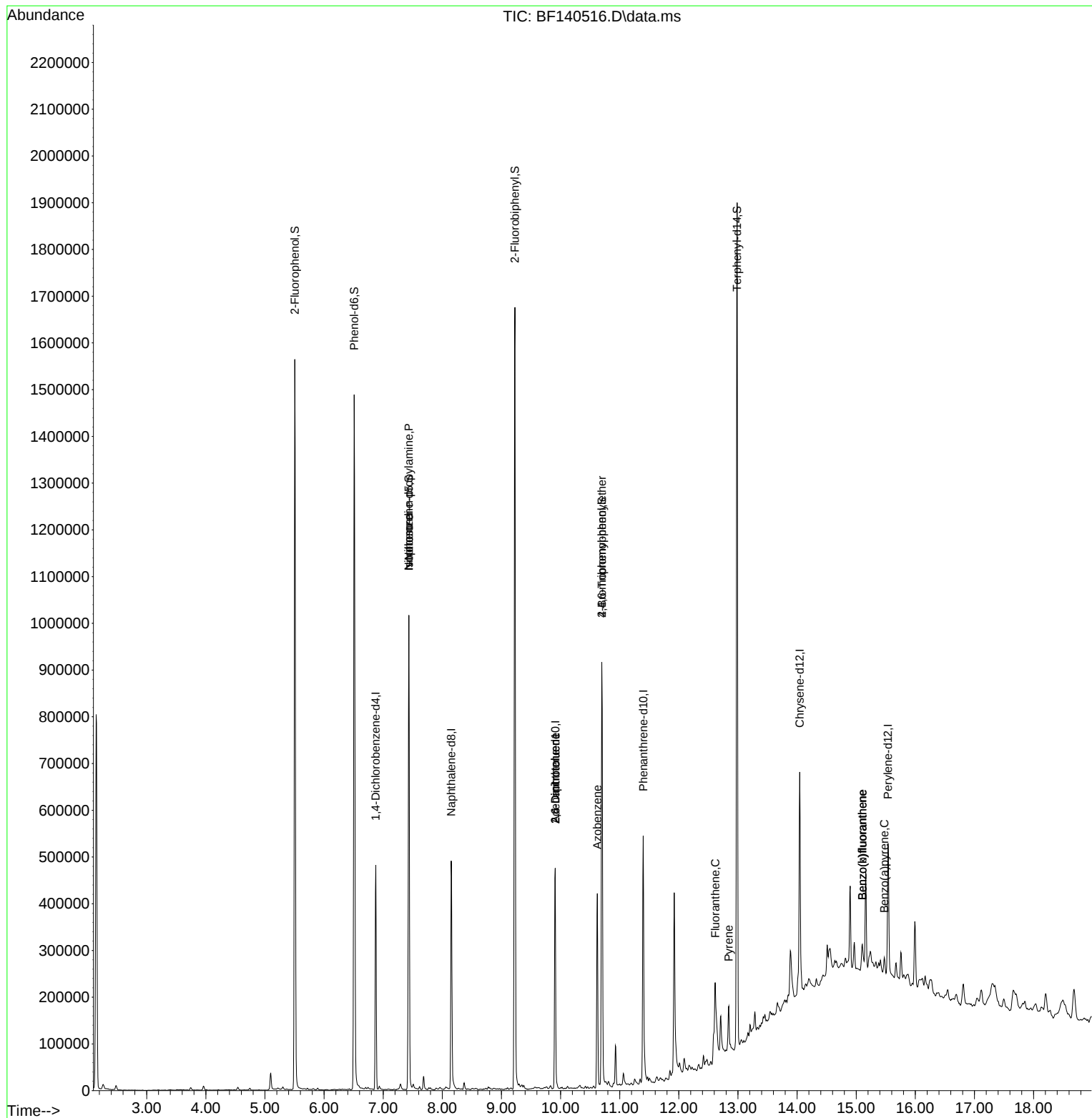
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	101523	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	323761	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	143091	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	281764	20.000	ng	0.00
76) Chrysene-d12	14.045	240	215041	20.000	ng	0.00
86) Perylene-d12	15.539	264	157125	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	589447	99.132	ng	0.01
7) Phenol-d6	6.510	99	713045	88.511	ng	0.00
23) Nitrobenzene-d5	7.434	82	459454	73.940	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	157430	110.638	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	768779	86.368	ng	0.00
79) Terphenyl-d14	12.986	244	897319	72.431	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	61773	12.696	ng	# 75
25) Isophorone	7.434	82	454638	41.282	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	18094	8.510	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	18094	6.466	ng	# 20
63) Azobenzene	10.622	77	110005	11.674	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	10544	3.744	ng	# 1
75) Fluoranthene	12.616	202	55250	3.721	ng	100
78) Pyrene	12.845	202	55464	3.015	ng	100
88) Benzo(b)fluoranthene	15.104	252	36335	3.535	ng	# 80
89) Benzo(k)fluoranthene	15.104	252	36335	4.327	ng	# 79
90) Benzo(a)pyrene	15.474	252	15971	2.001	ng	# 78

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

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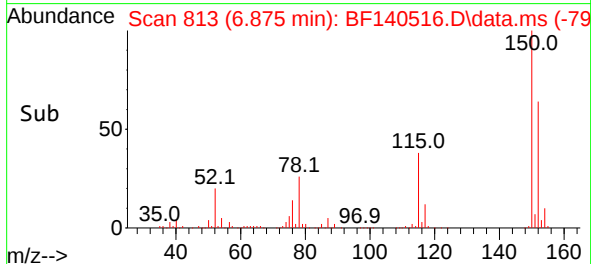
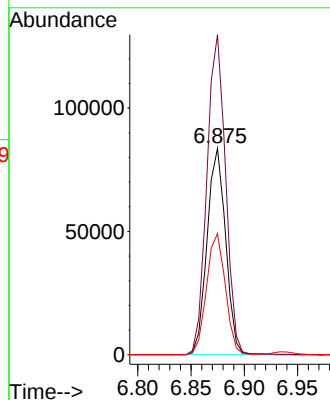
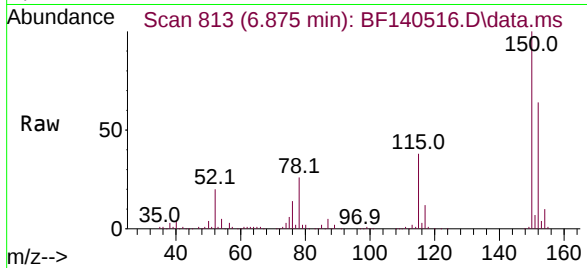




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

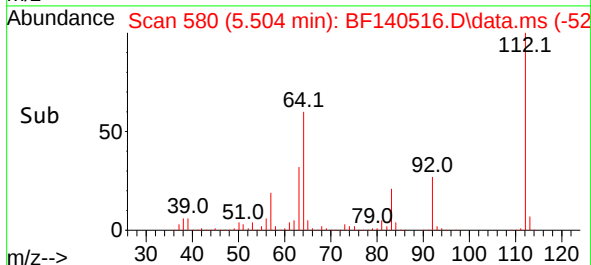
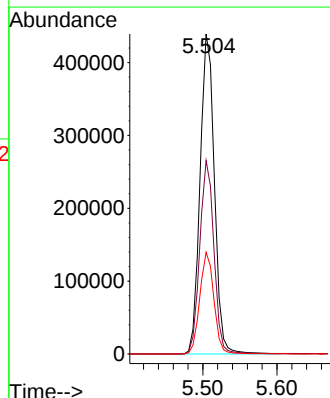
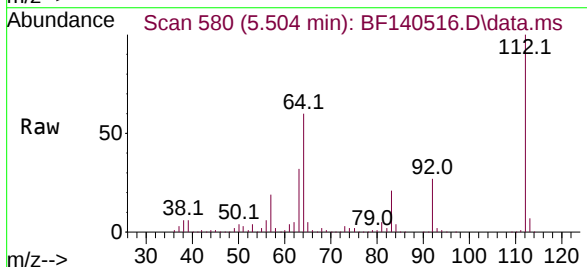
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:152 Resp: 101523
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 58.7 47.4 71.2



#5
2-Fluorophenol
Concen: 99.132 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion:112 Resp: 589447
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 31.7 25.6 38.4

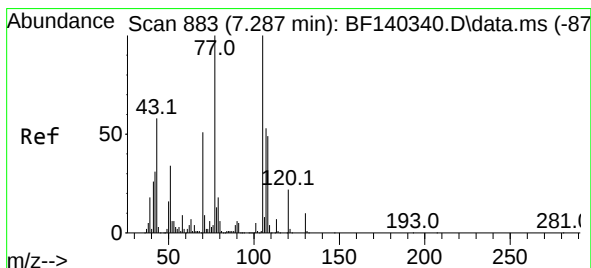
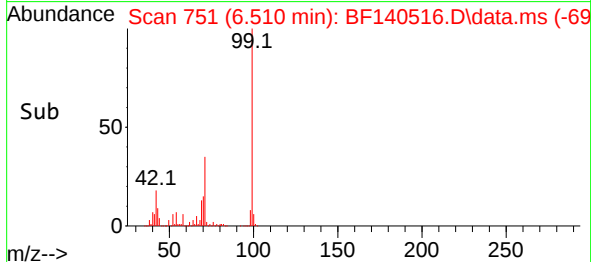
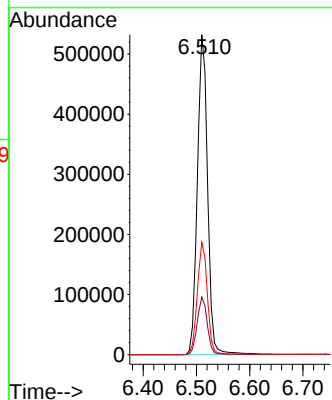
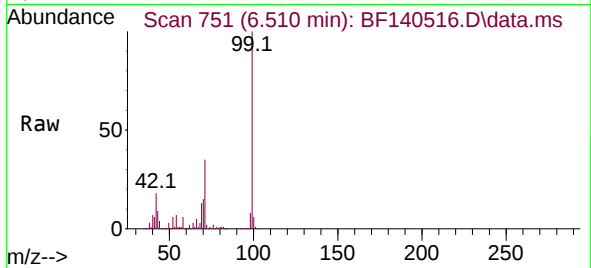




#7
Phenol-d6
Concen: 88.511 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

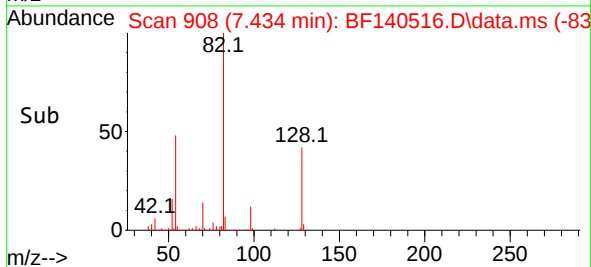
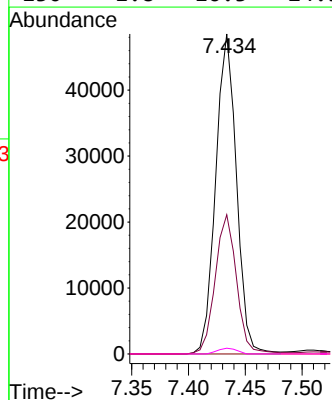
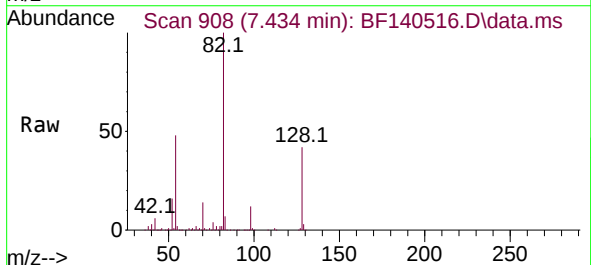
Instrument :
BNA_F
ClientSampleId :
SOIL-3

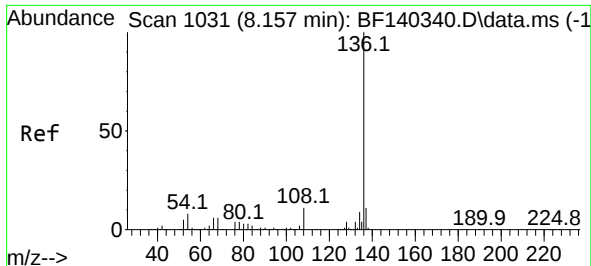
Tgt Ion: 99 Resp: 713045
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 35.1 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.696 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion: 70 Resp: 61773
Ion Ratio Lower Upper
70 100
42 43.5 46.8 70.2#
101 0.0 7.5 11.3#
130 1.8 16.3 24.5#

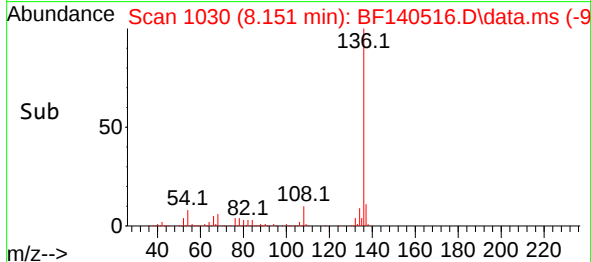
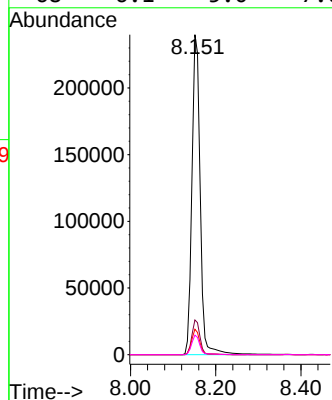
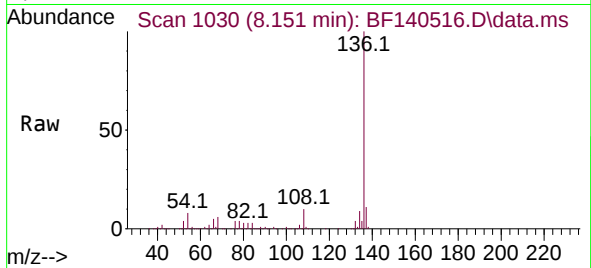




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

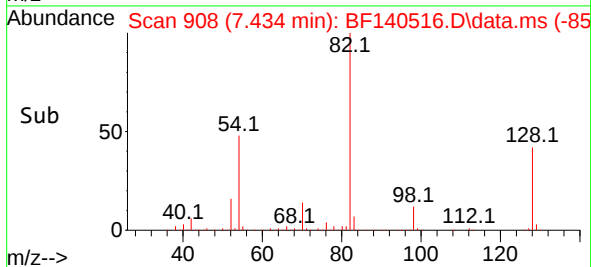
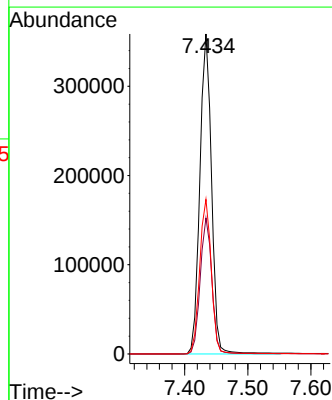
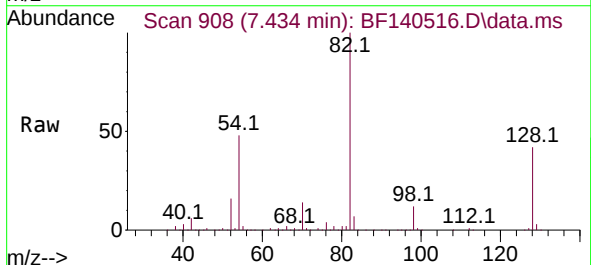
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:136 Resp: 323761
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.5 9.7
68 6.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 73.940 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion: 82 Resp: 459454
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 48.3 39.8 59.8

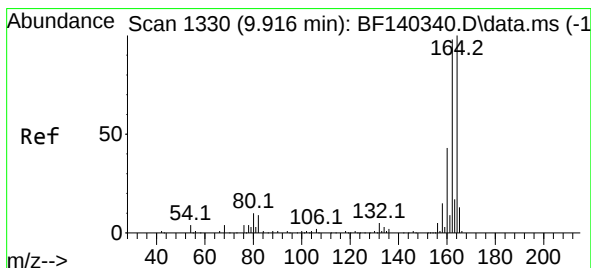
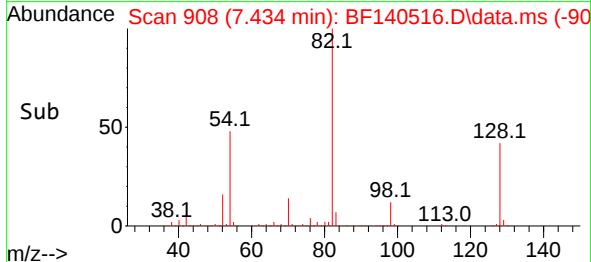
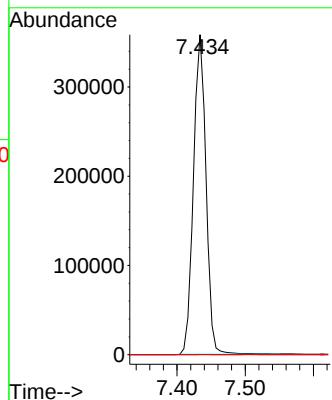
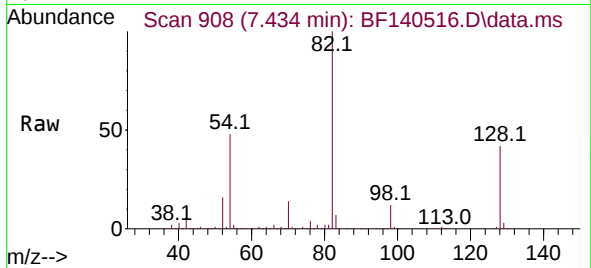




#25
Isophorone
Concen: 41.282 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

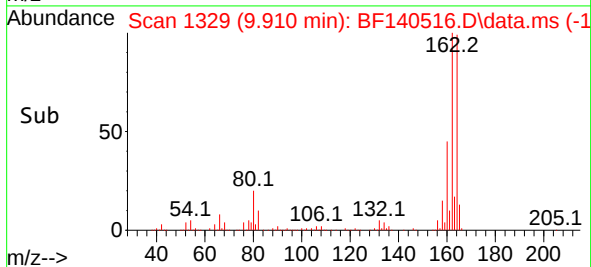
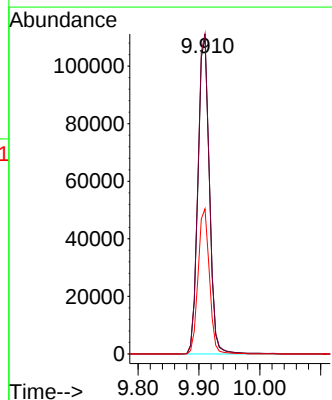
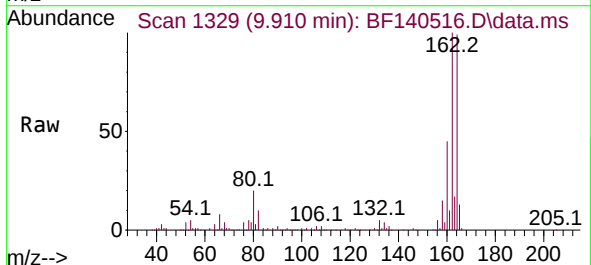
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion: 82 Resp: 454638
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: BF140516.D
Acq: 20 Nov 2024 22:40

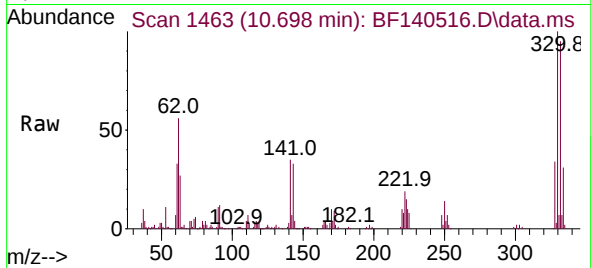
Tgt Ion: 164 Resp: 143091
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 45.8 35.4 53.0



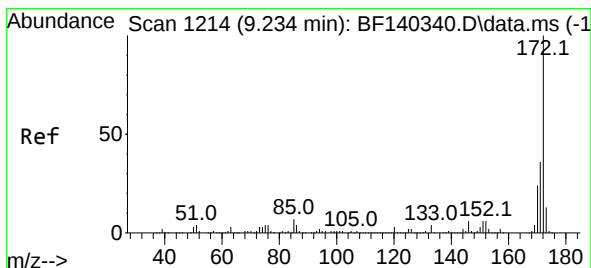
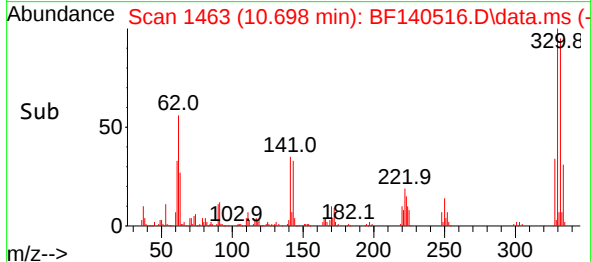
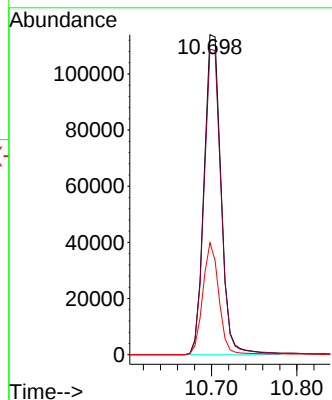


#42
2,4,6-Tribromophenol
Concen: 110.638 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Instrument :
BNA_F
ClientSampleId :
SOIL-3

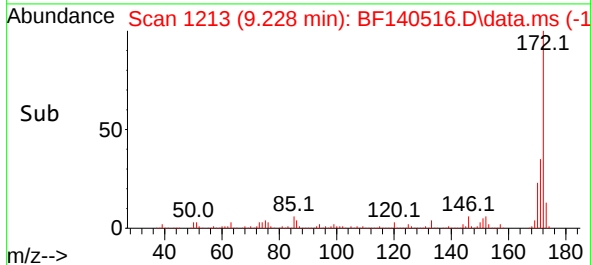
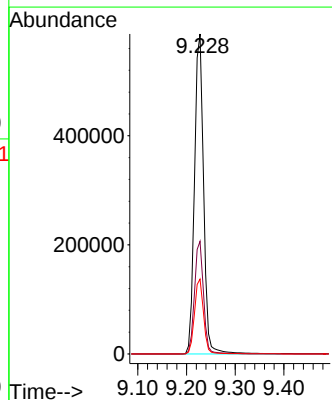
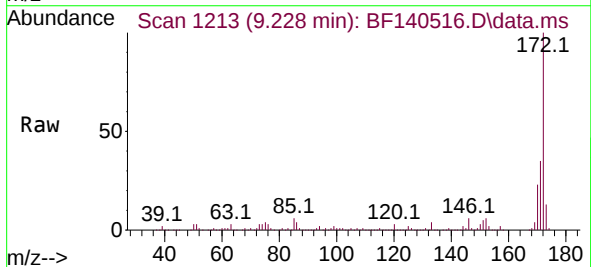


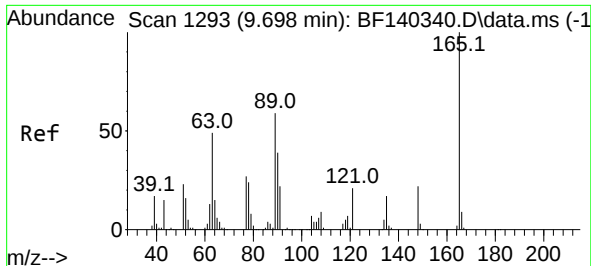
Tgt Ion: 330 Resp: 157430
Ion Ratio Lower Upper
330 100
332 96.8 75.9 113.9
141 33.9 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 86.368 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion: 172 Resp: 768779
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.510 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

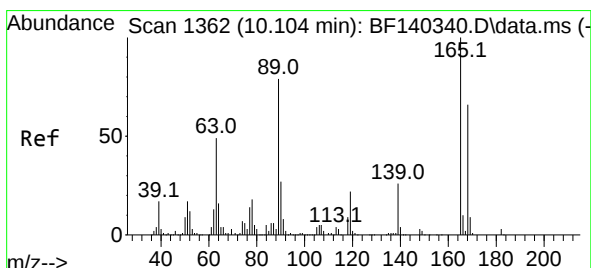
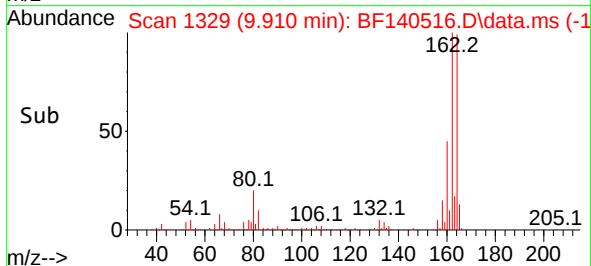
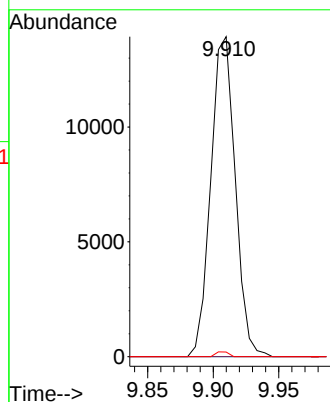
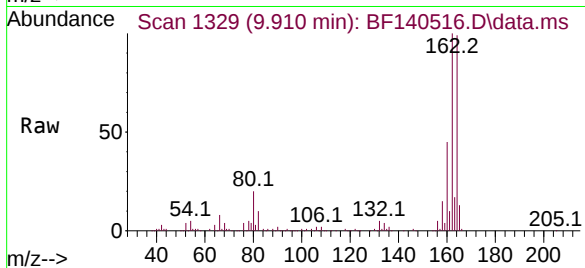
Tgt Ion:165 Resp: 18094

Ion Ratio Lower Upper

165 100

63 0.0 47.6 71.4#

89 1.5 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.466 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Tgt Ion:165 Resp: 18094

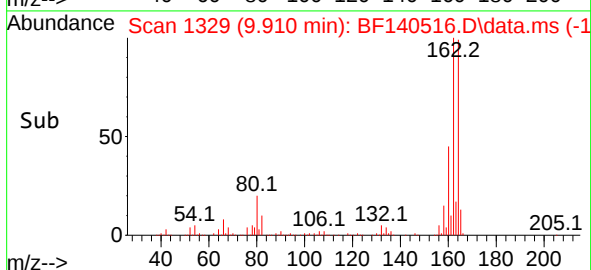
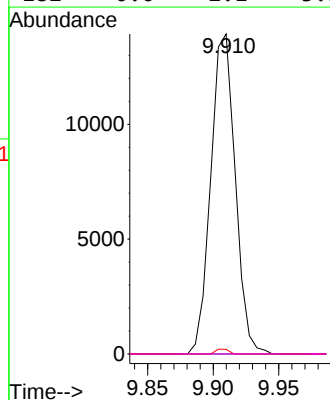
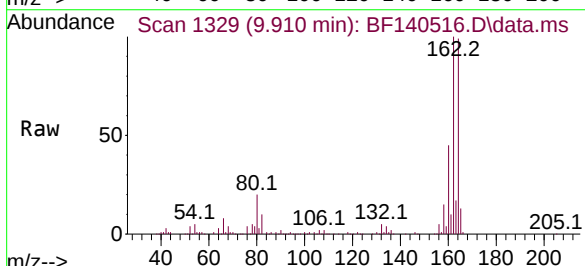
Ion Ratio Lower Upper

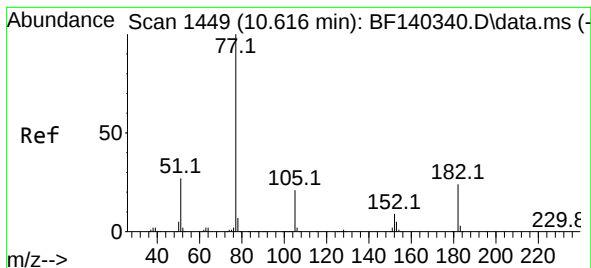
165 100

63 0.0 39.4 59.0#

89 1.5 62.4 93.6#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 11.674 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

Tgt Ion: 77 Resp: 110005

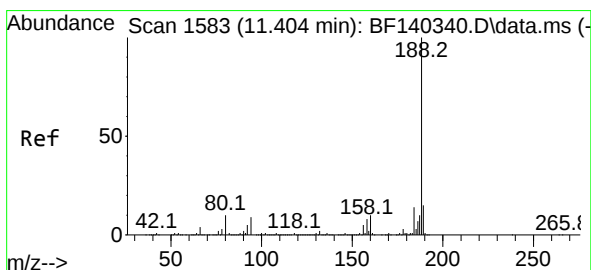
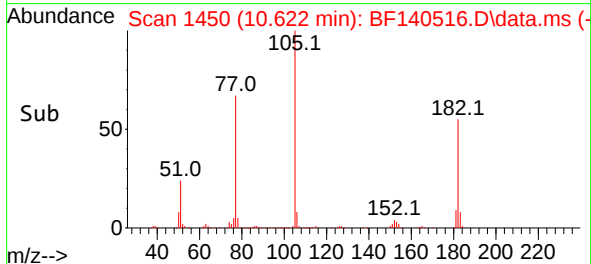
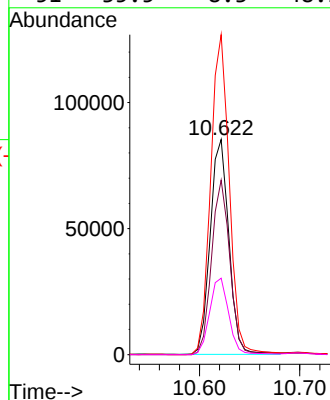
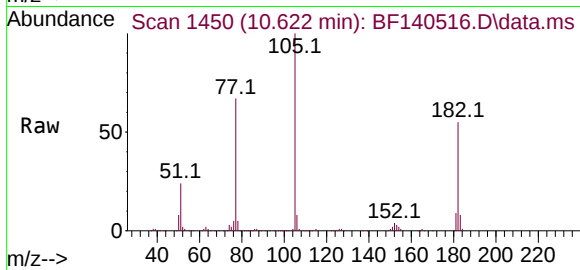
Ion Ratio Lower Upper

77 100

182 81.1 4.6 44.6#

105 148.7 0.9 40.9#

51 35.5 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: BF140516.D

Acq: 20 Nov 2024 22:40

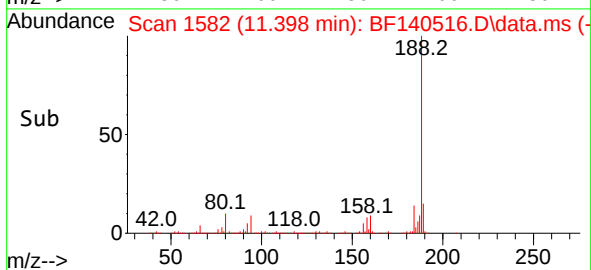
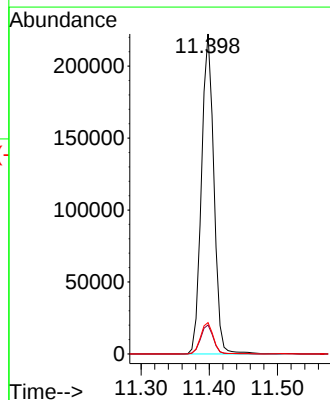
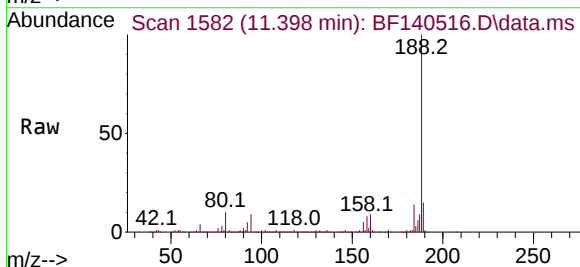
Tgt Ion: 188 Resp: 281764

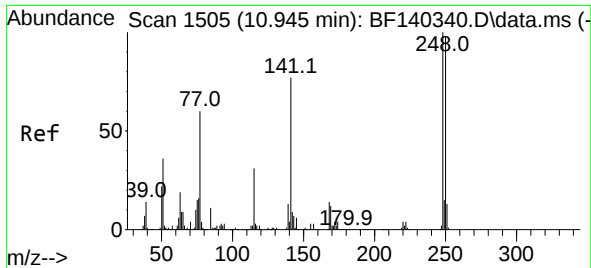
Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 9.8 8.0 12.0

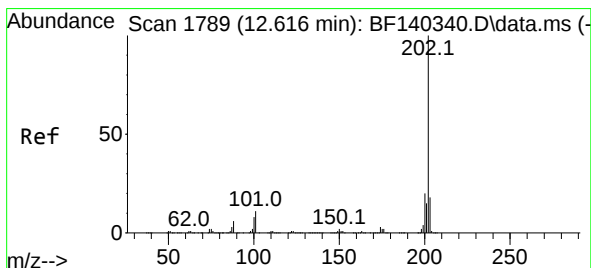
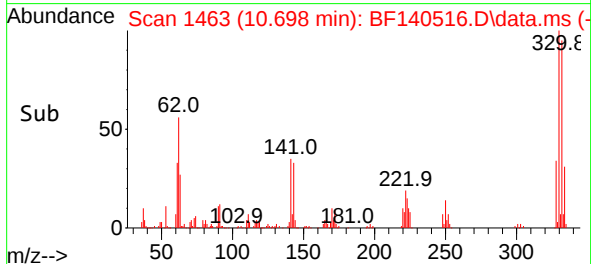
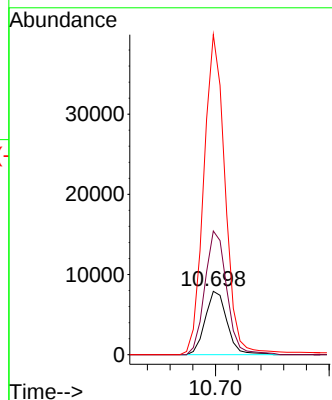
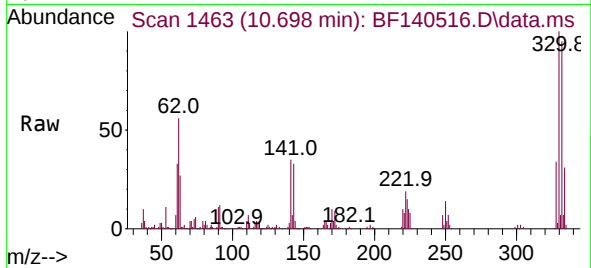




#67
4-Bromophenyl-phenylether
Concen: 3.744 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

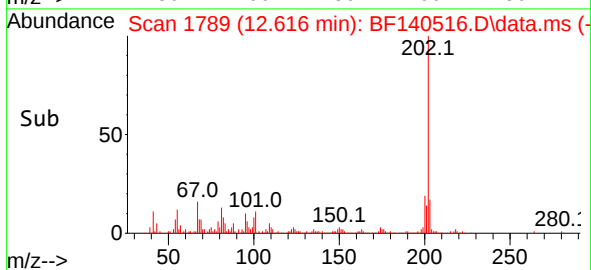
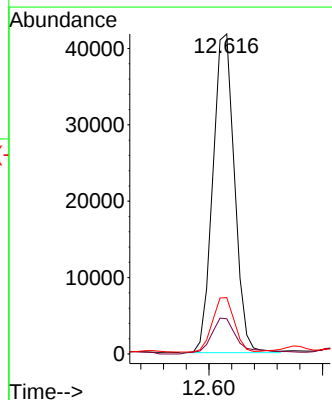
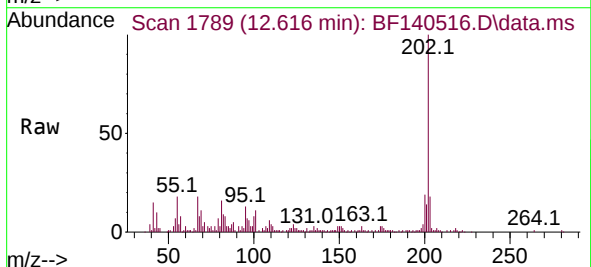
Instrument :
BNA_F
ClientSampleId :
SOIL-3

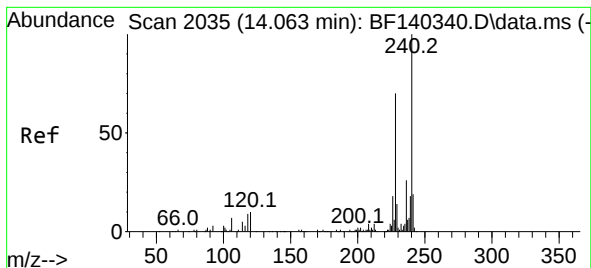
Tgt Ion:248 Resp: 10544
Ion Ratio Lower Upper
248 100
250 195.2 77.9 116.9#
141 505.0 61.8 92.6#



#75
Fluoranthene
Concen: 3.721 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Tgt Ion:202 Resp: 55250
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

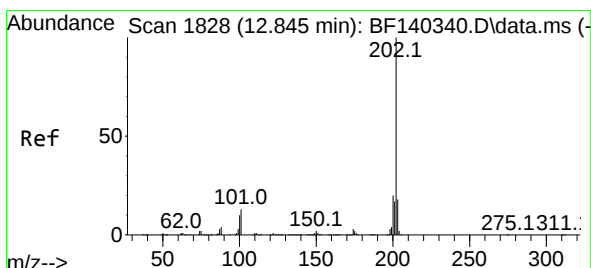
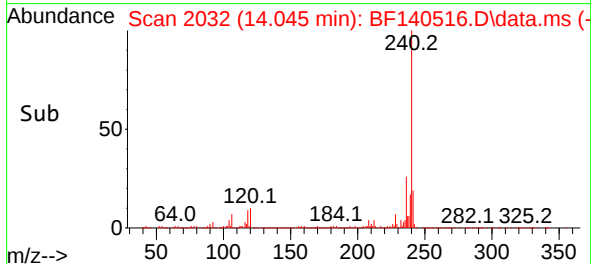
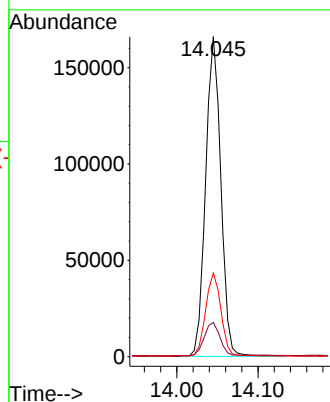
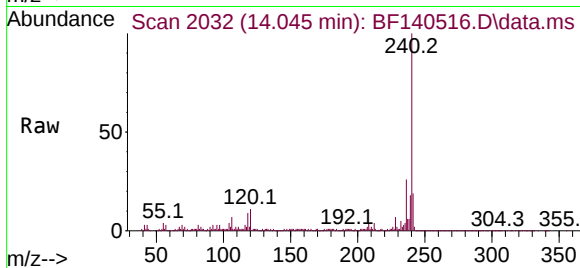
Tgt Ion:240 Resp: 215041

Ion Ratio Lower Upper

240 100

120 10.7 8.8 13.2

236 26.1 20.9 31.3



#78

Pyrene

Concen: 3.015 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

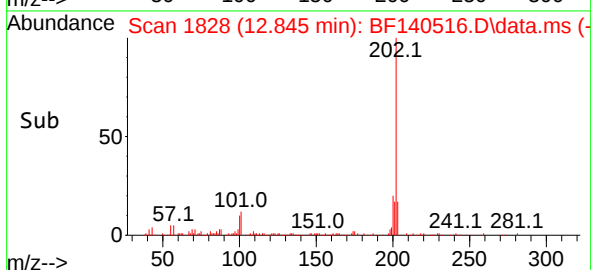
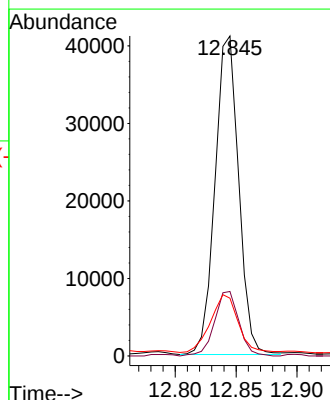
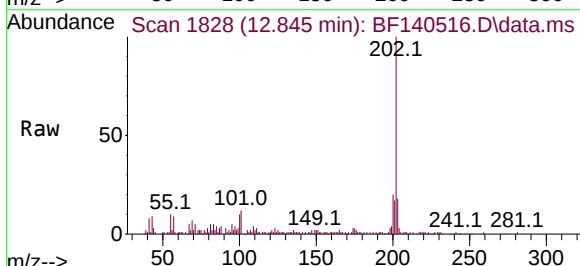
Tgt Ion:202 Resp: 55464

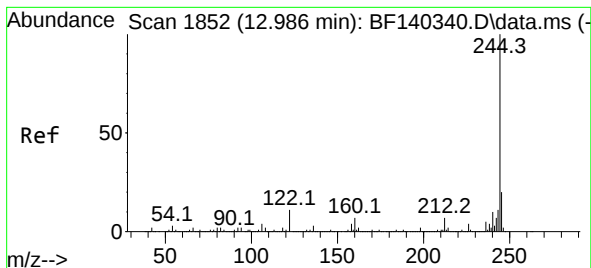
Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 72.431 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

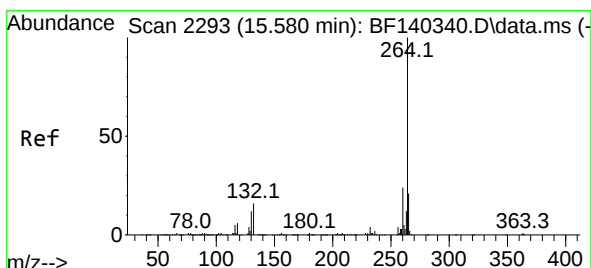
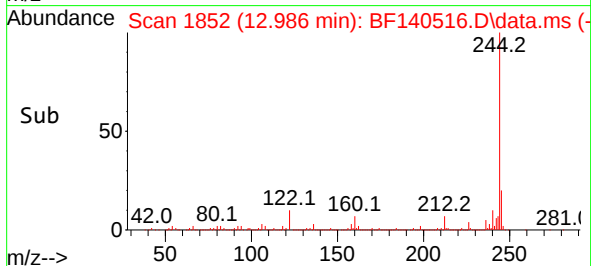
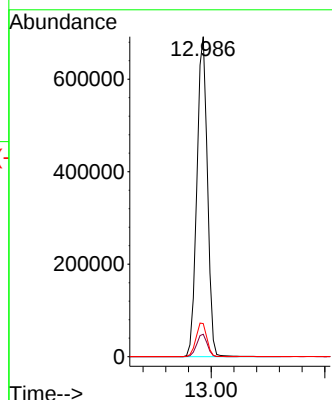
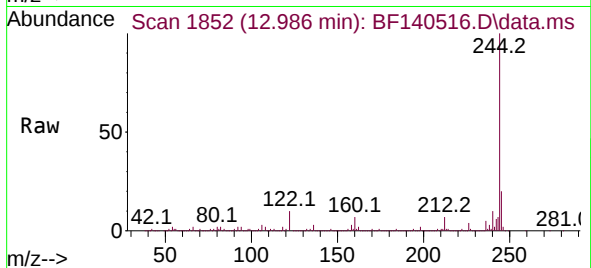
Tgt Ion:244 Resp: 897319

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.4 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

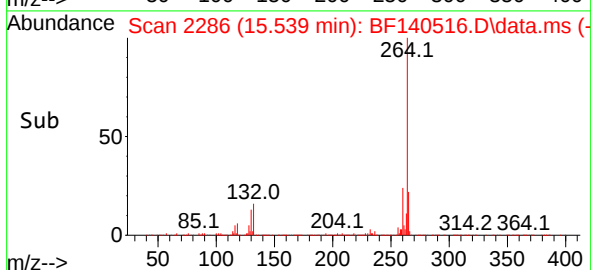
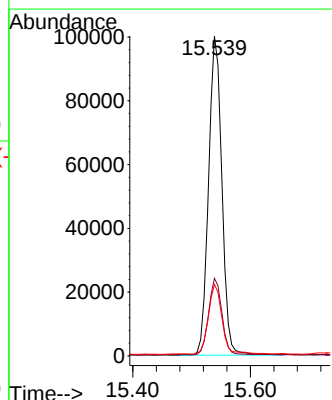
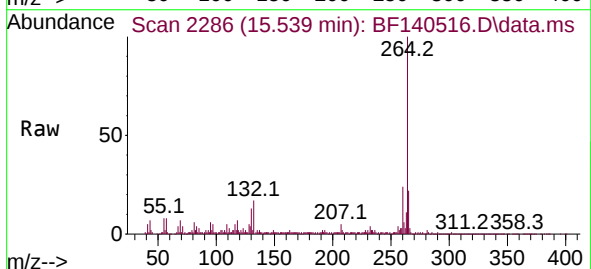
Tgt Ion:264 Resp: 157125

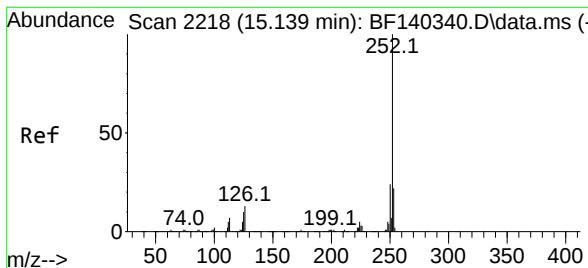
Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.4 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.535 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

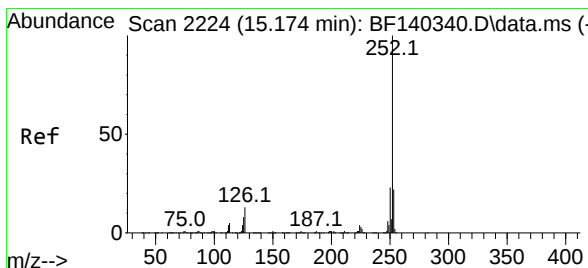
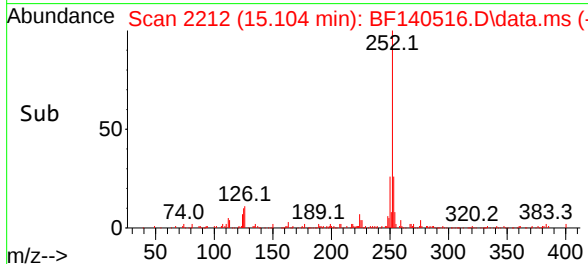
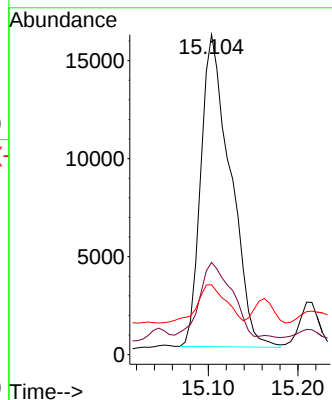
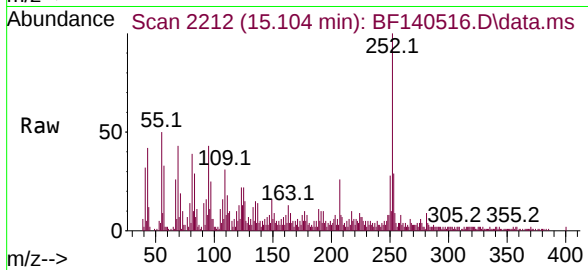
Tgt Ion:252 Resp: 36335

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3#

125 21.9 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.327 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.047 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

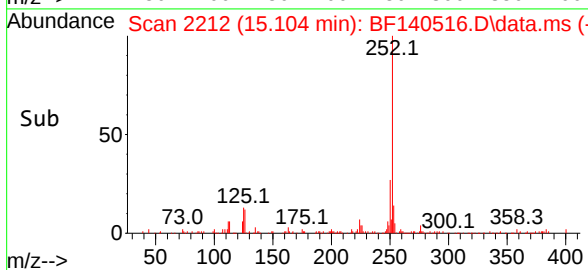
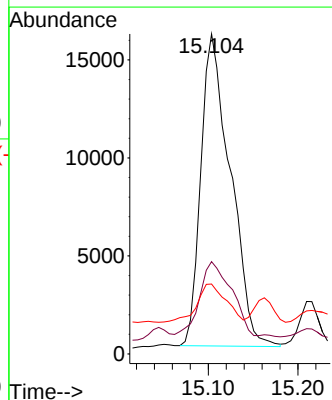
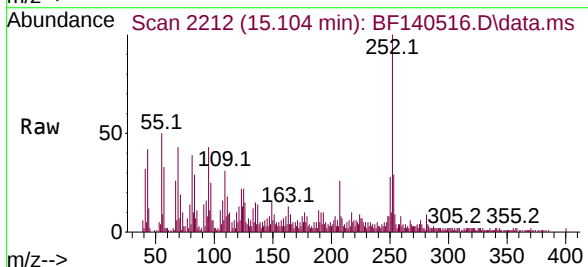
Tgt Ion:252 Resp: 36335

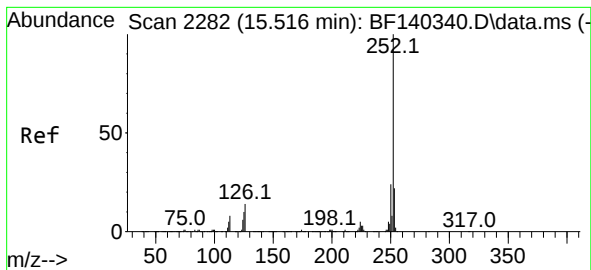
Ion Ratio Lower Upper

252 100

253 28.8 17.3 25.9#

125 21.9 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.001 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140516.D

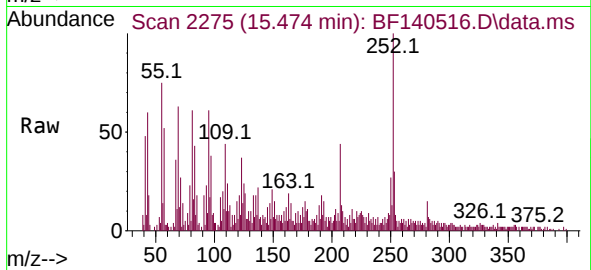
Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3



Tgt Ion:252 Resp: 15971

Ion Ratio Lower Upper

252 100

253 29.7 17.8 26.6#

125 24.0 8.4 12.6#

