

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140718.D
 Acq On : 03 Dec 2024 18:26
 Operator : RC/JU
 Sample : P5026-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1-HAM

Quant Time: Dec 03 22:15:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

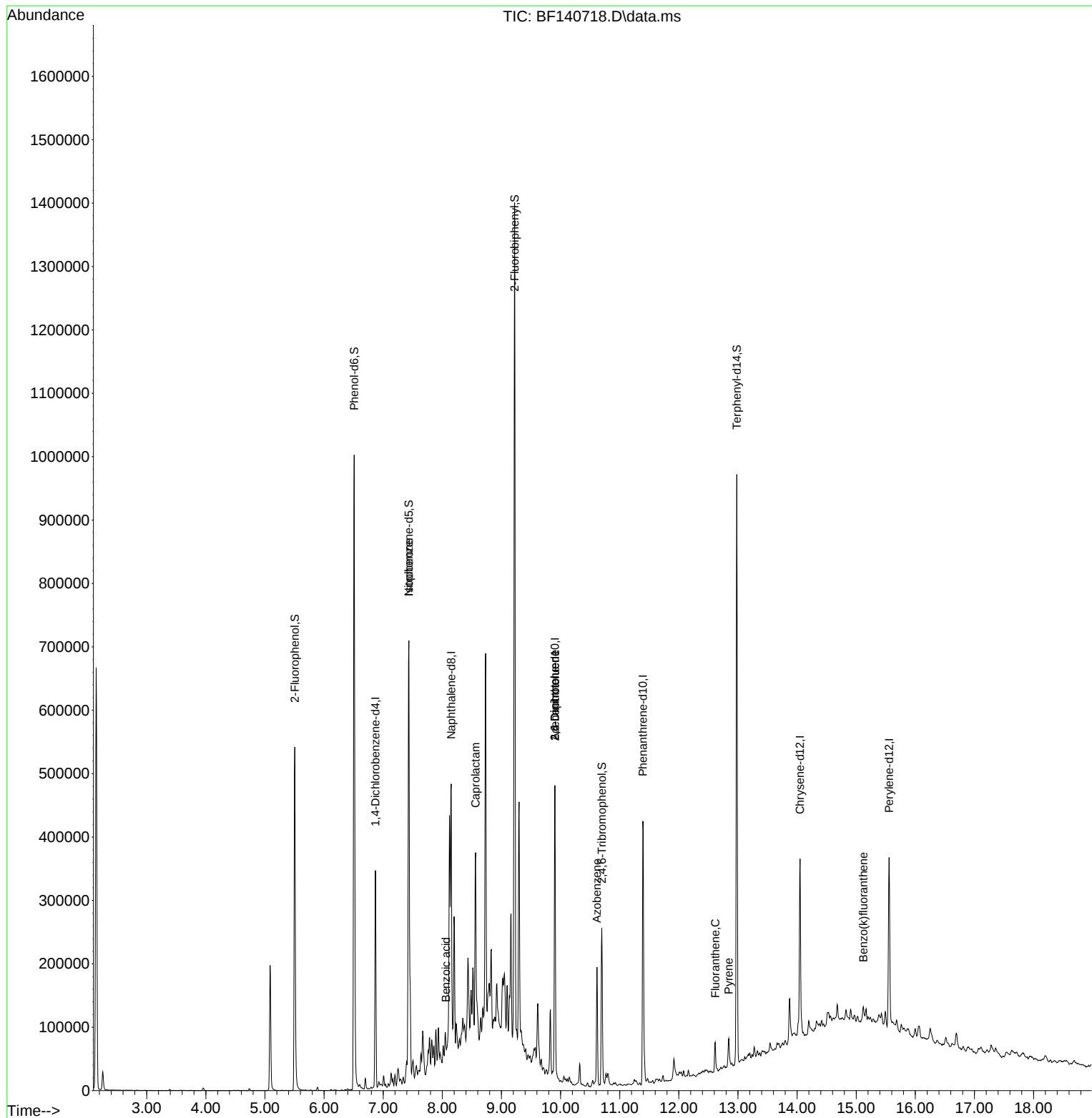
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68863	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	257244	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	137460	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	234583	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	131312	20.000	ng	0.00
86) Perylene-d12	15.557	264	155748	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	219405	54.362	ng	0.00
7) Phenol-d6	6.510	99	474218	88.876	ng	0.00
23) Nitrobenzene-d5	7.434	82	320064	63.641	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	44455	30.239	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	573688	62.183	ng	-0.01
79) Terphenyl-d14	12.980	244	447570	53.074	ng	-0.01
Target Compounds						
					Qvalue	
25) Isophorone	7.434	82	313914	37.423	ng	# 66
32) Benzoic acid	8.063	122	53	7.211	ng	# 1
35) Caprolactam	8.563	113	9734	8.613	ng	# 11
51) 2,6-Dinitrotoluene	9.904	165	17680	8.611	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	17680	6.479	ng	# 18
63) Azobenzene	10.616	77	49062	5.633	ng	# 1
75) Fluoranthene	12.616	202	25603	2.091	ng	99
78) Pyrene	12.845	202	26806	2.208	ng	98
89) Benzo(k)fluoranthene	15.121	252	17823	2.082	ng	# 79

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140718.D
Acq On : 03 Dec 2024 18:26
Operator : RC/JU
Sample : P5026-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

Quant Time: Dec 03 22:15:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

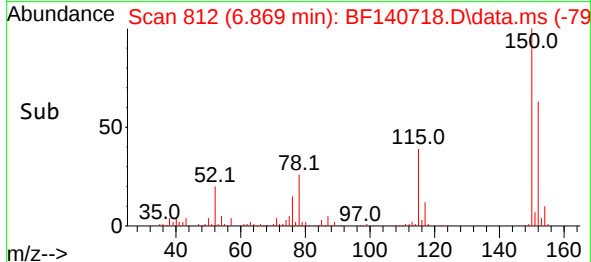
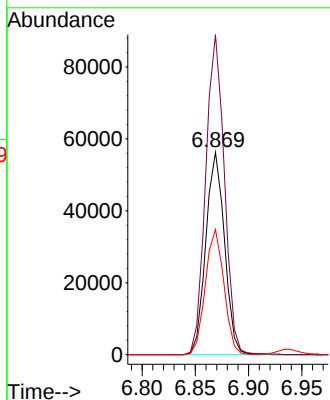
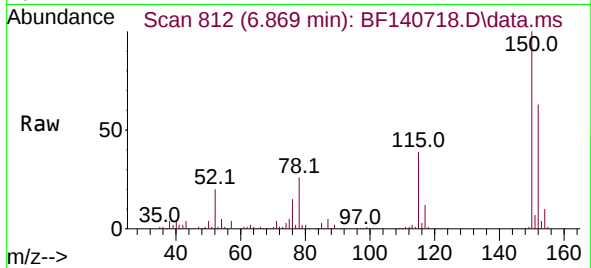




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

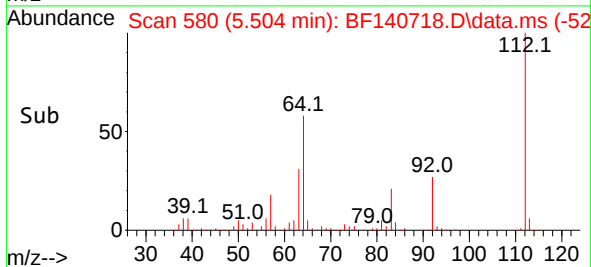
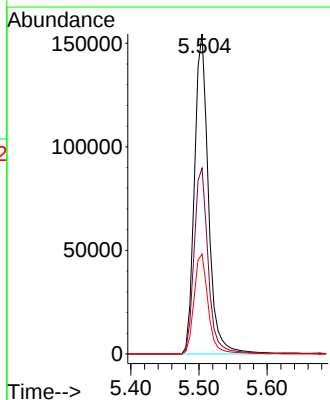
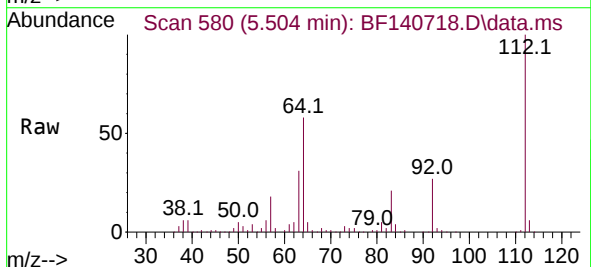
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

Tgt Ion:152 Resp: 68863
Ion Ratio Lower Upper
152 100
150 158.1 128.5 192.7
115 61.8 50.2 75.4



#5
2-Fluorophenol
Concen: 54.362 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion:112 Resp: 219405
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 31.2 27.0 40.4

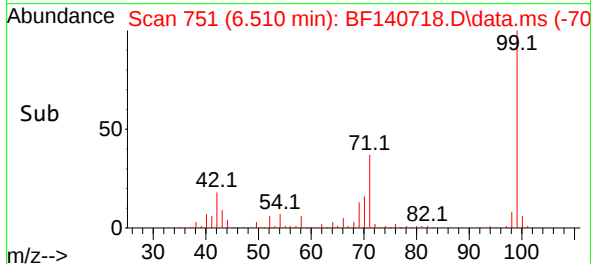
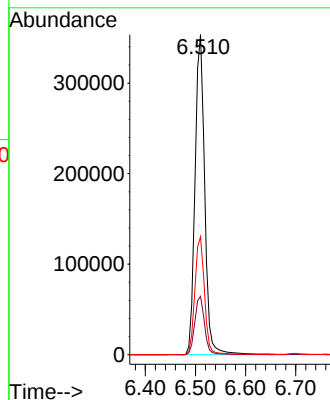
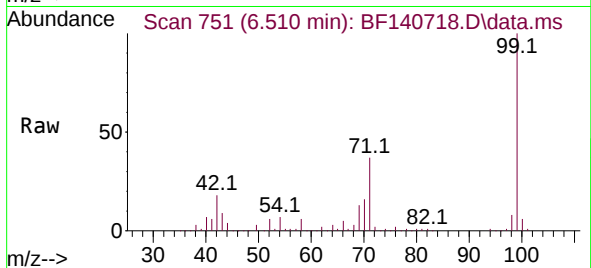




#7
Phenol-d6
Concen: 88.876 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

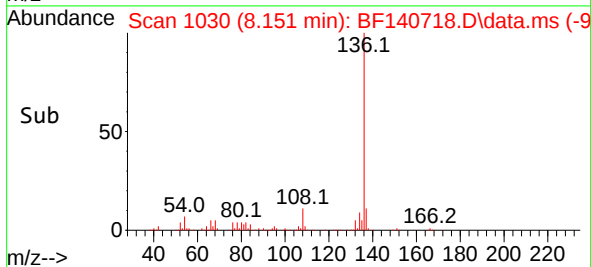
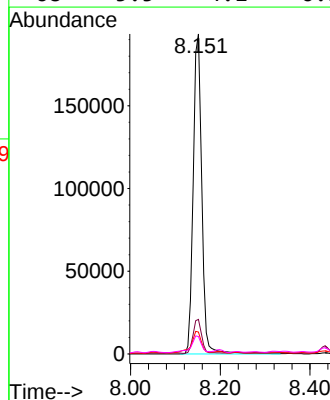
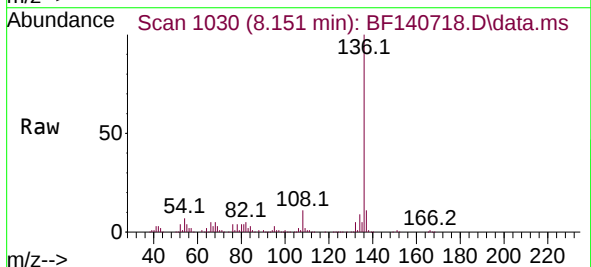
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

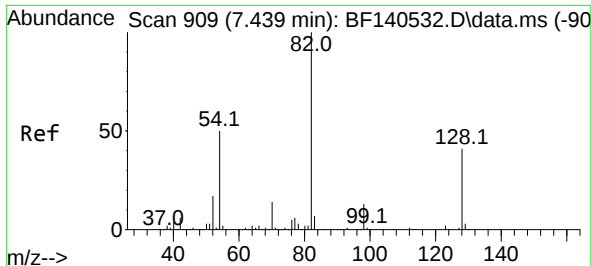
Tgt Ion: 99 Resp: 474218
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 36.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion: 136 Resp: 257244
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.8 5.8 8.8
68 5.5 4.1 6.1

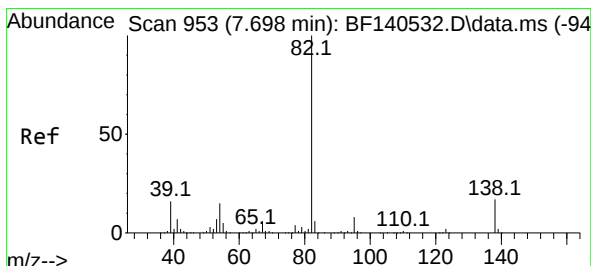
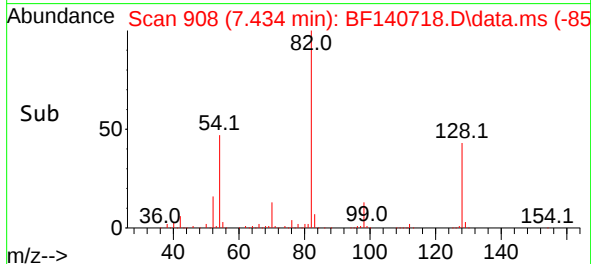
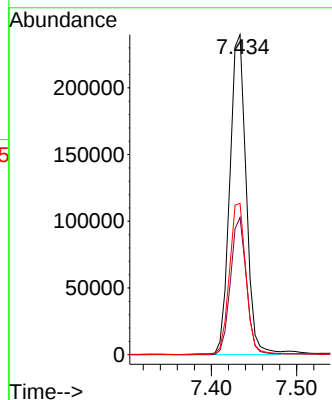
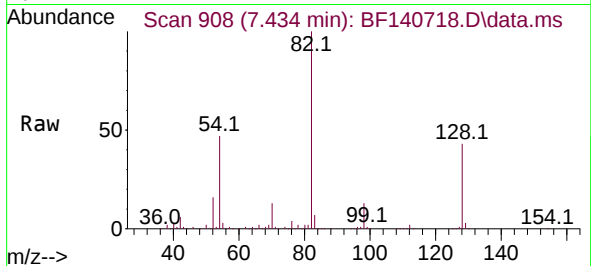




#23
Nitrobenzene-d5
Concen: 63.641 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

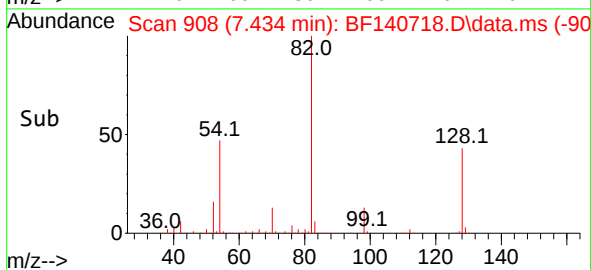
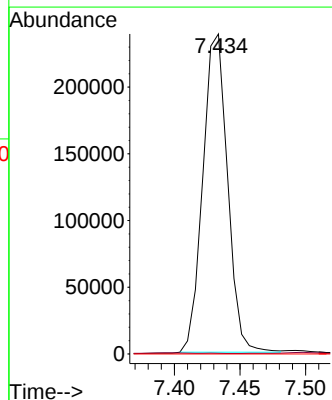
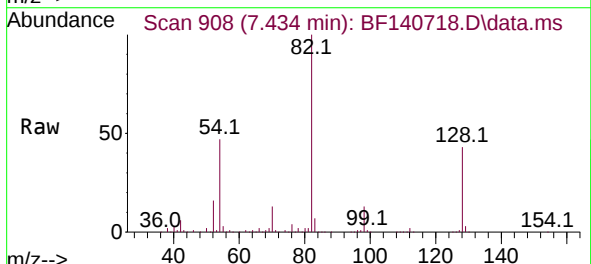
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

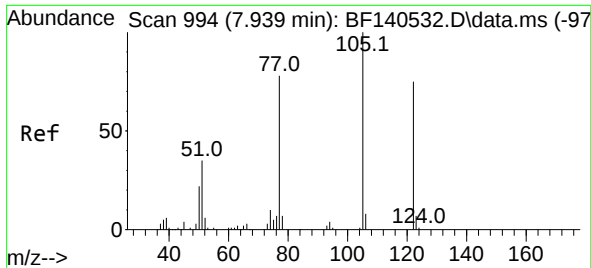
Tgt Ion: 82 Resp: 320064
Ion Ratio Lower Upper
82 100
128 42.9 33.0 49.4
54 47.4 39.5 59.3



#25
Isophorone
Concen: 37.423 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion: 82 Resp: 313914
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.8 20.6#

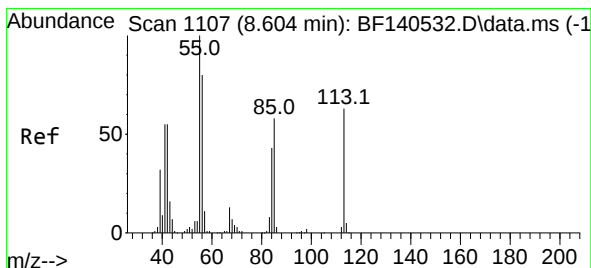
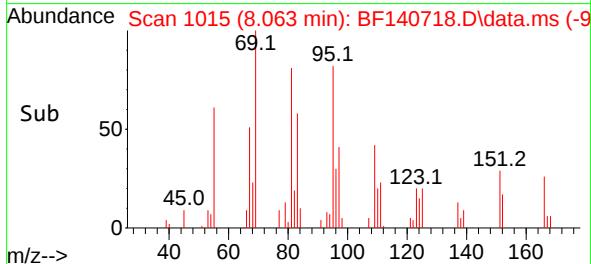
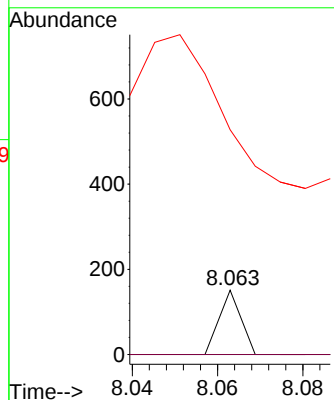
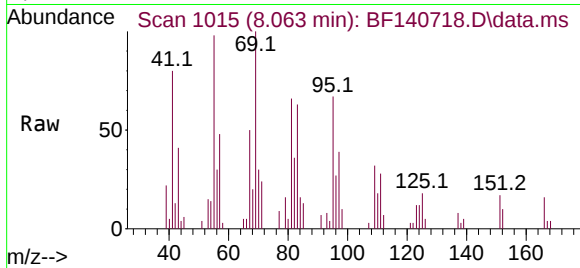




#32
Benzoic acid
Concen: 7.211 ng
RT: 8.063 min Scan# 1100
Delta R.T. 0.124 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

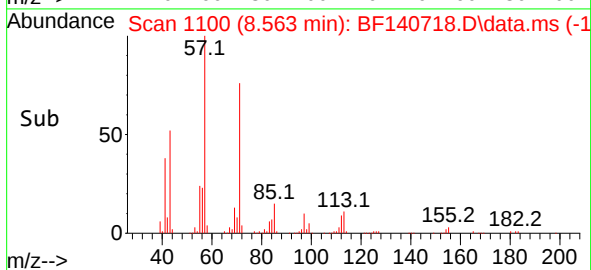
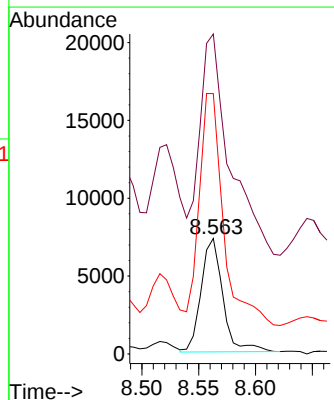
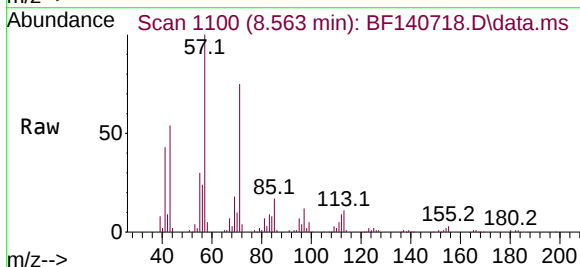
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

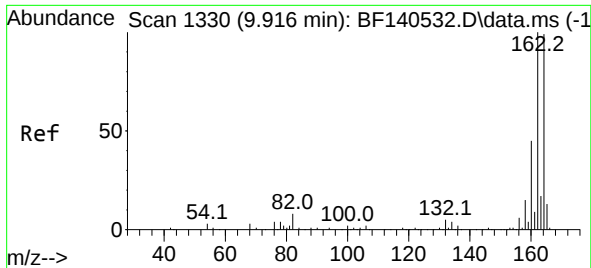
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 109.3 149.3#
77 349.7 82.3 122.3#



#35
Caprolactam
Concen: 8.613 ng
RT: 8.563 min Scan# 1100
Delta R.T. -0.041 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion:113 Resp: 9734
Ion Ratio Lower Upper
113 100
55 277.1 137.7 177.7#
56 225.5 106.4 146.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

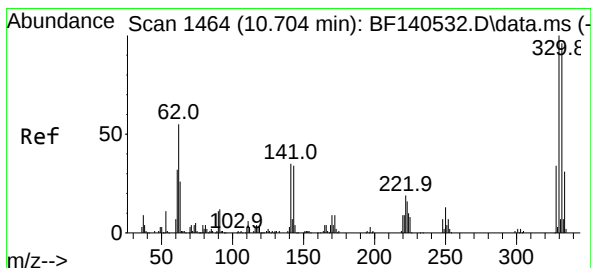
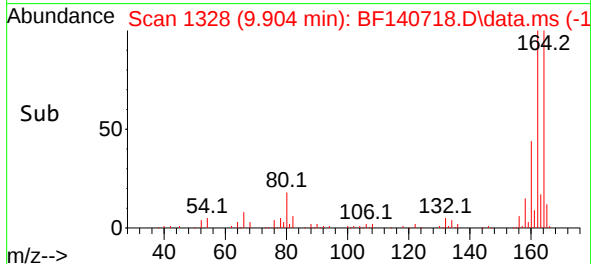
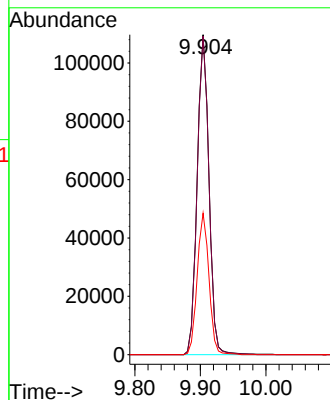
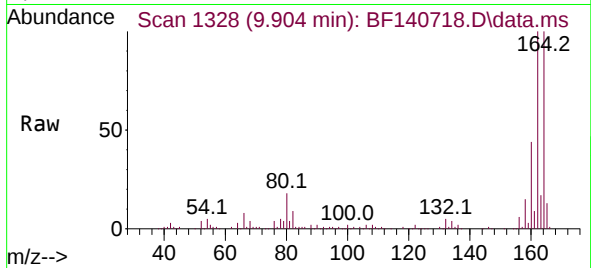
Tgt Ion:164 Resp: 137460

Ion Ratio Lower Upper

164 100

162 99.5 80.6 120.8

160 44.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 30.239 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

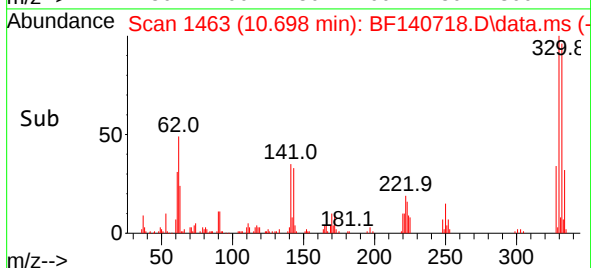
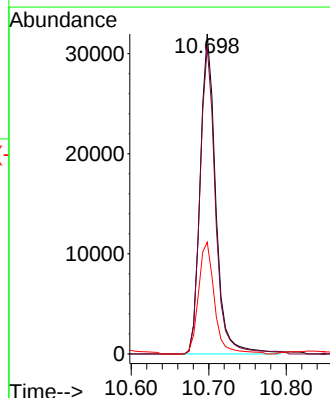
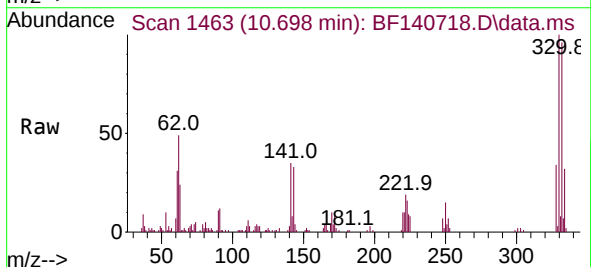
Tgt Ion:330 Resp: 44455

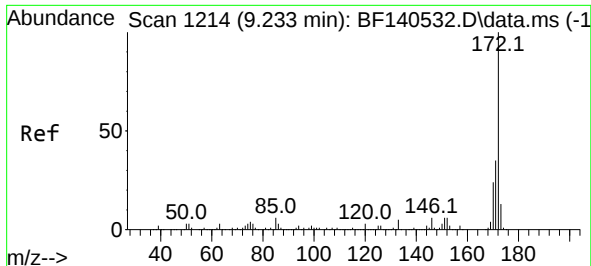
Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

141 36.0 26.7 40.1

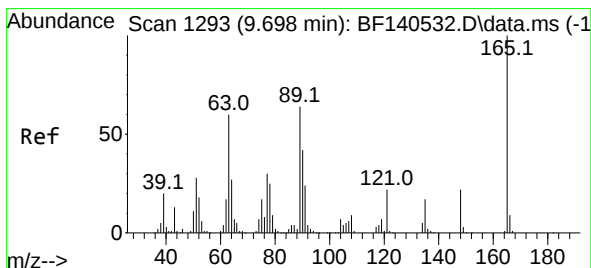
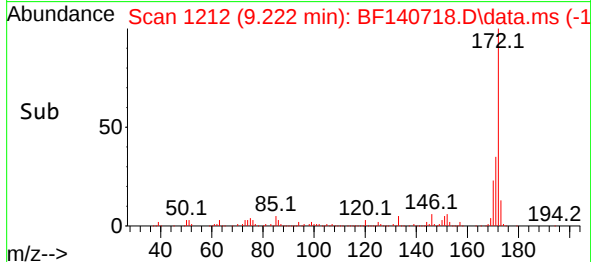
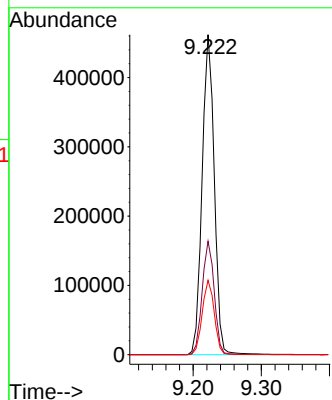
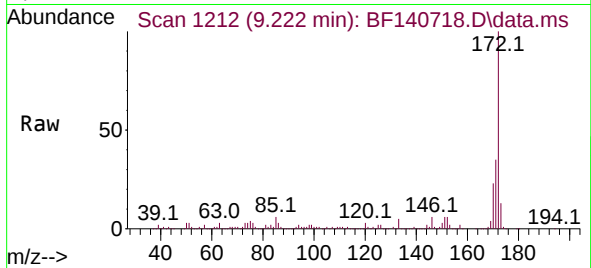




#45
2-Fluorobiphenyl
Concen: 62.183 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

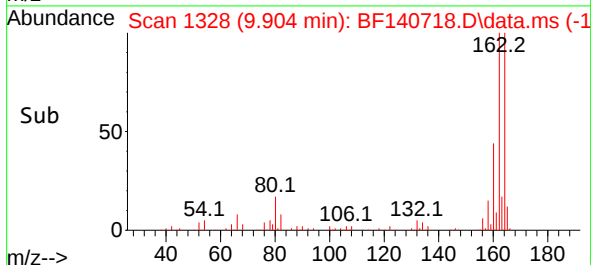
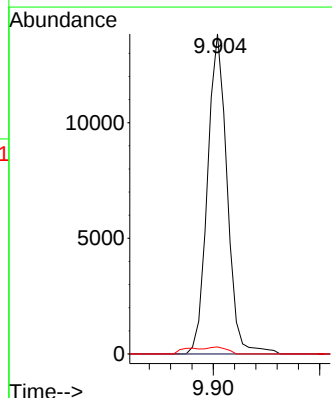
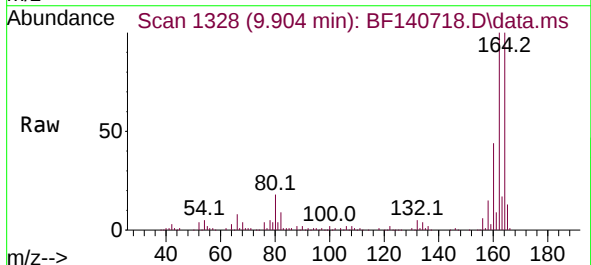
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

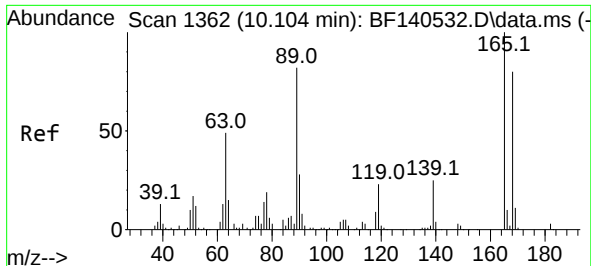
Tgt Ion:172 Resp: 573688
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.611 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion:165 Resp: 17680
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 2.2 50.9 76.3#

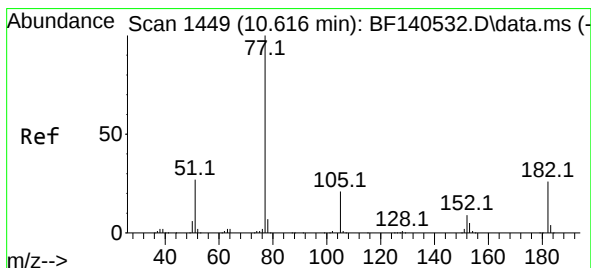
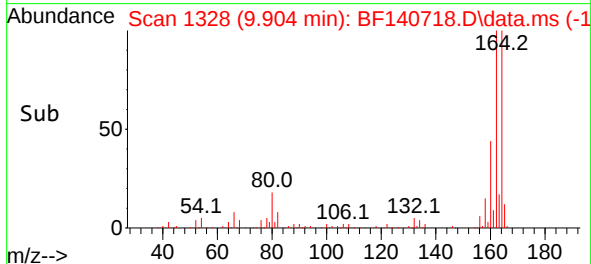
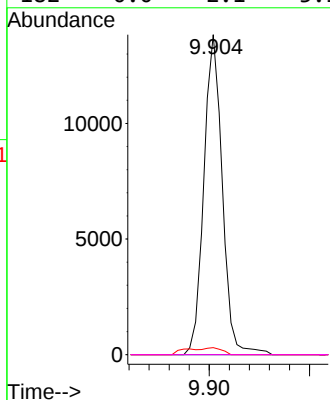
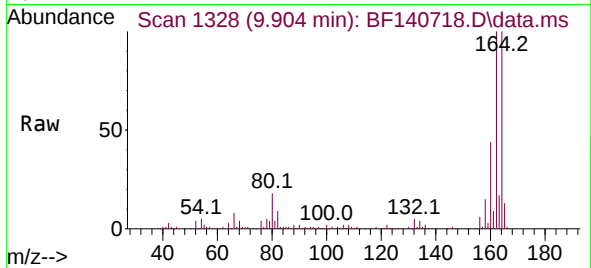




#57
2,4-Dinitrotoluene
Concen: 6.479 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

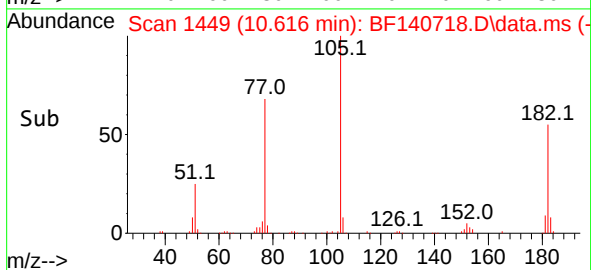
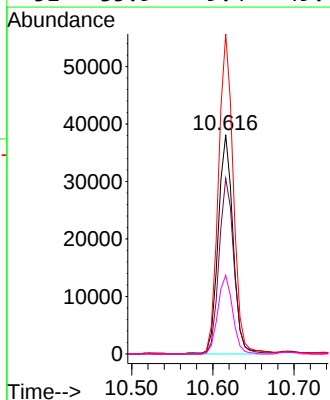
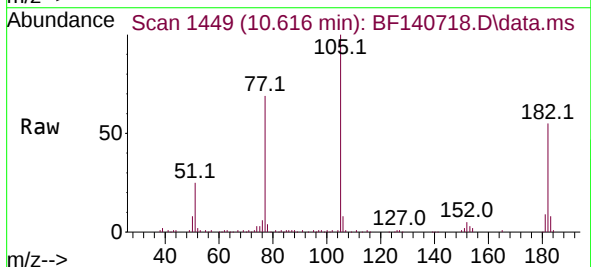
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

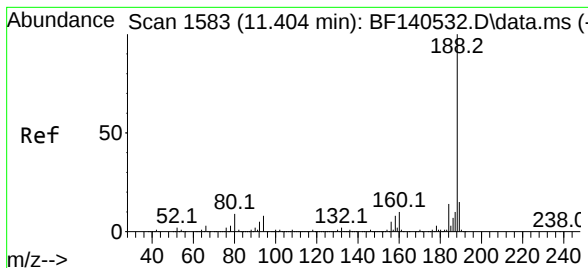
Tgt Ion:165 Resp: 17680
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 2.2 65.8 98.8#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 5.633 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion: 77 Resp: 49062
Ion Ratio Lower Upper
77 100
182 80.1 5.3 45.3#
105 145.9 0.3 40.3#
51 35.9 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

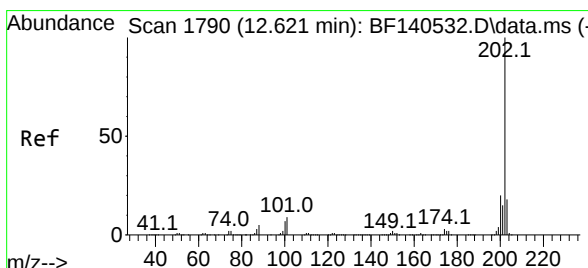
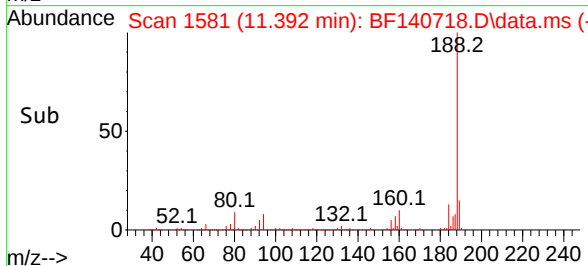
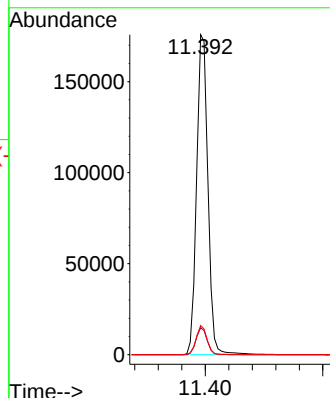
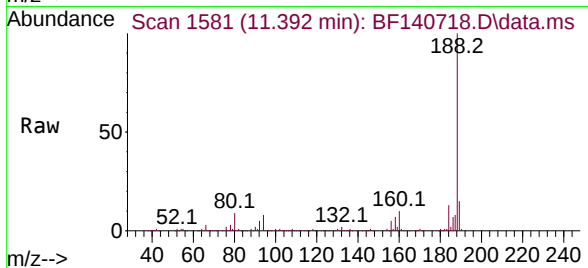
Tgt Ion:188 Resp: 234583

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.1 6.9 10.3



#75

Fluoranthene

Concen: 2.091 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

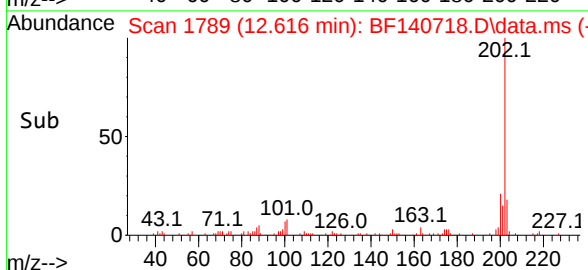
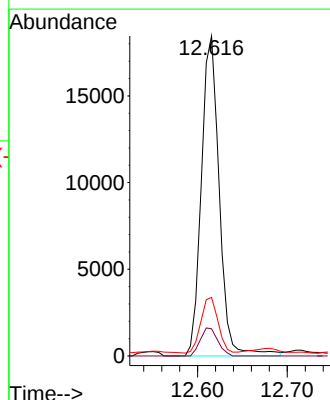
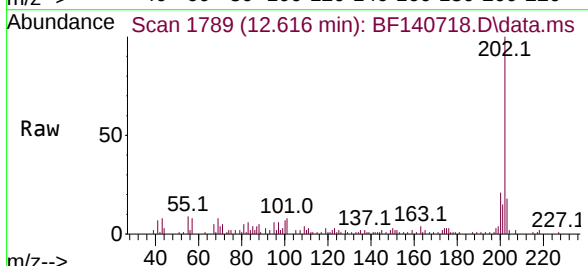
Tgt Ion:202 Resp: 25603

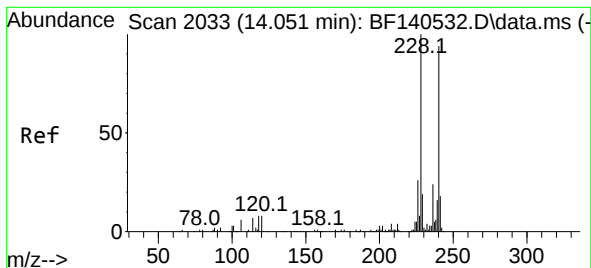
Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.9

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM

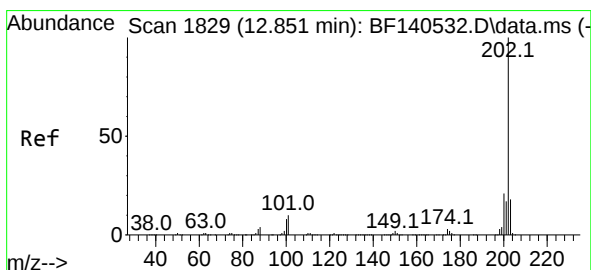
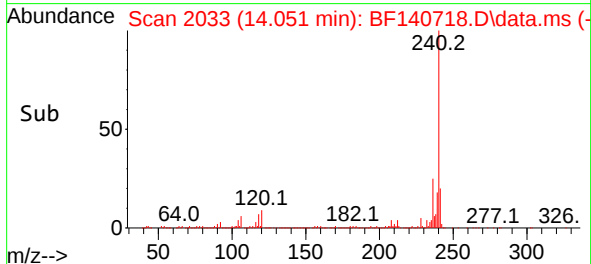
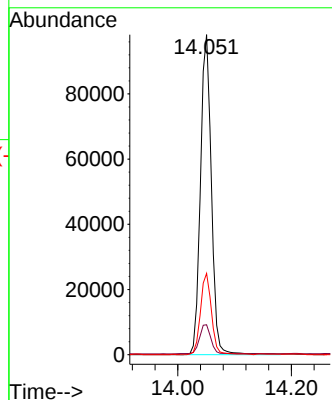
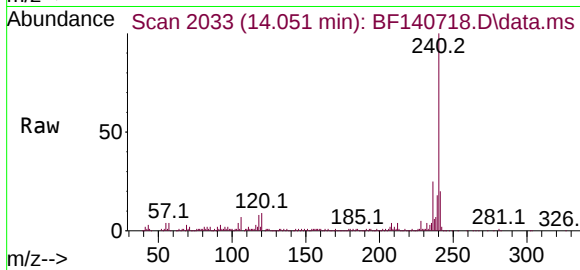
Tgt Ion:240 Resp: 131312

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 25.4 20.6 31.0



#78

Pyrene

Concen: 2.208 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140718.D

Acq: 03 Dec 2024 18:26

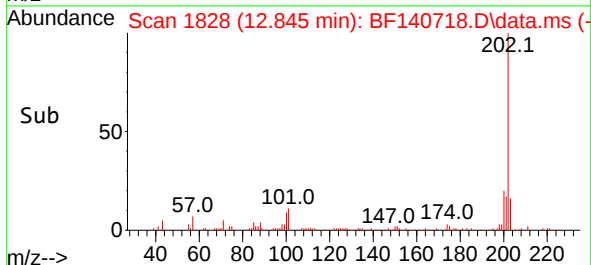
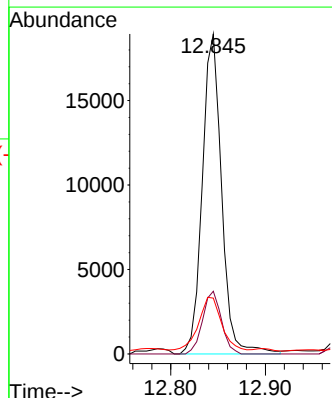
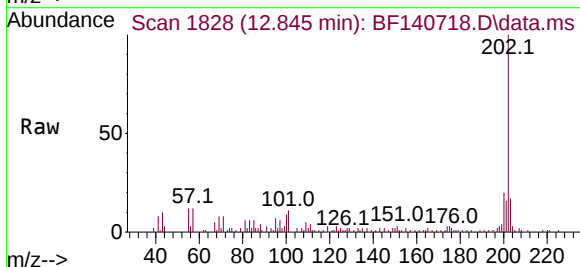
Tgt Ion:202 Resp: 26806

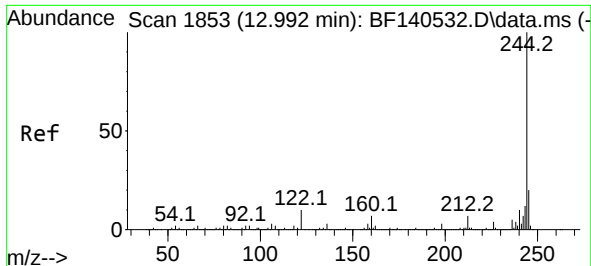
Ion Ratio Lower Upper

202 100

200 19.6 16.5 24.7

203 17.5 14.2 21.4

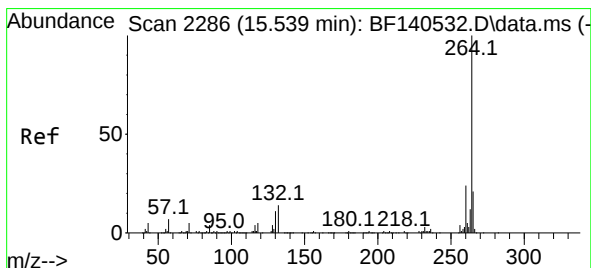
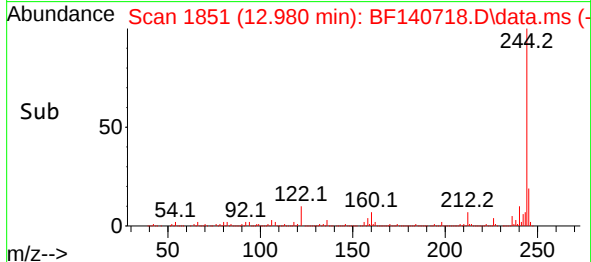
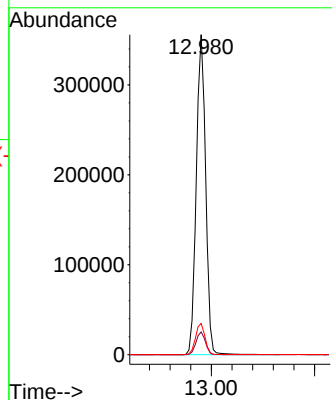
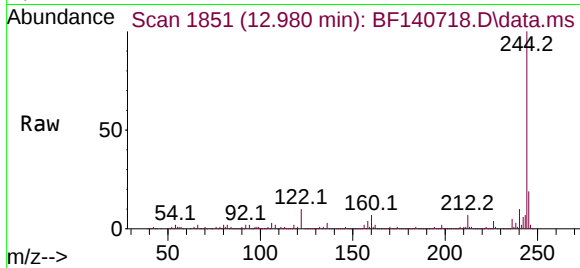




#79
Terphenyl-d14
Concen: 53.074 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

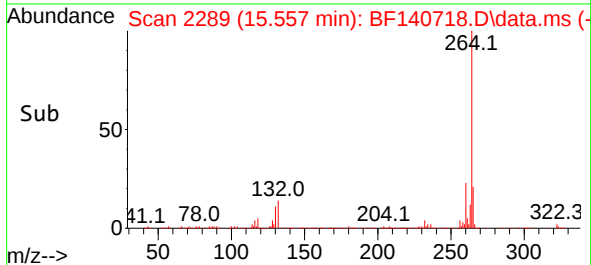
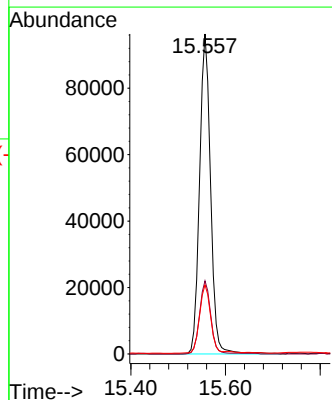
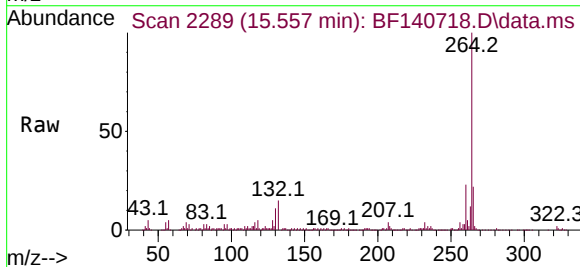
Instrument :
BNA_F
ClientSampleId :
SOIL-1-HAM

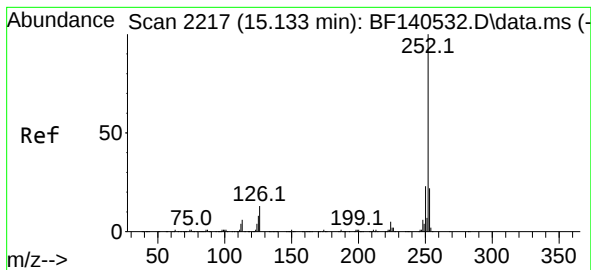
Tgt Ion:244 Resp: 447570
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 9.8 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2289
Delta R.T. 0.018 min
Lab File: BF140718.D
Acq: 03 Dec 2024 18:26

Tgt Ion:264 Resp: 155748
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 21.5 16.6 25.0





#89

Benzo(k)fluoranthene

Concen: 2.082 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140718.D

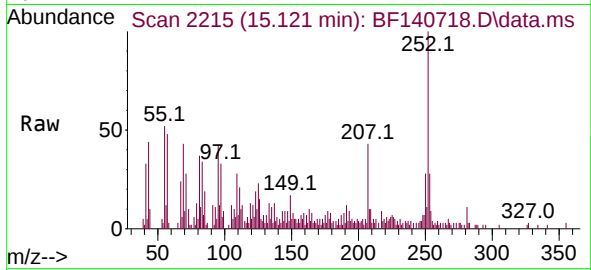
Acq: 03 Dec 2024 18:26

Instrument :

BNA_F

ClientSampleId :

SOIL-1-HAM



Tgt Ion:252 Resp: 17823

Ion Ratio Lower Upper

252 100

253 28.4 17.5 26.3#

125 23.0 6.5 9.7#

