

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
 Data File : BF138958.D
 Acq On : 13 Aug 2024 03:26
 Operator : RC/JU
 Sample : P3548-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IN-SITU-SOIL

Quant Time: Aug 13 04:29:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

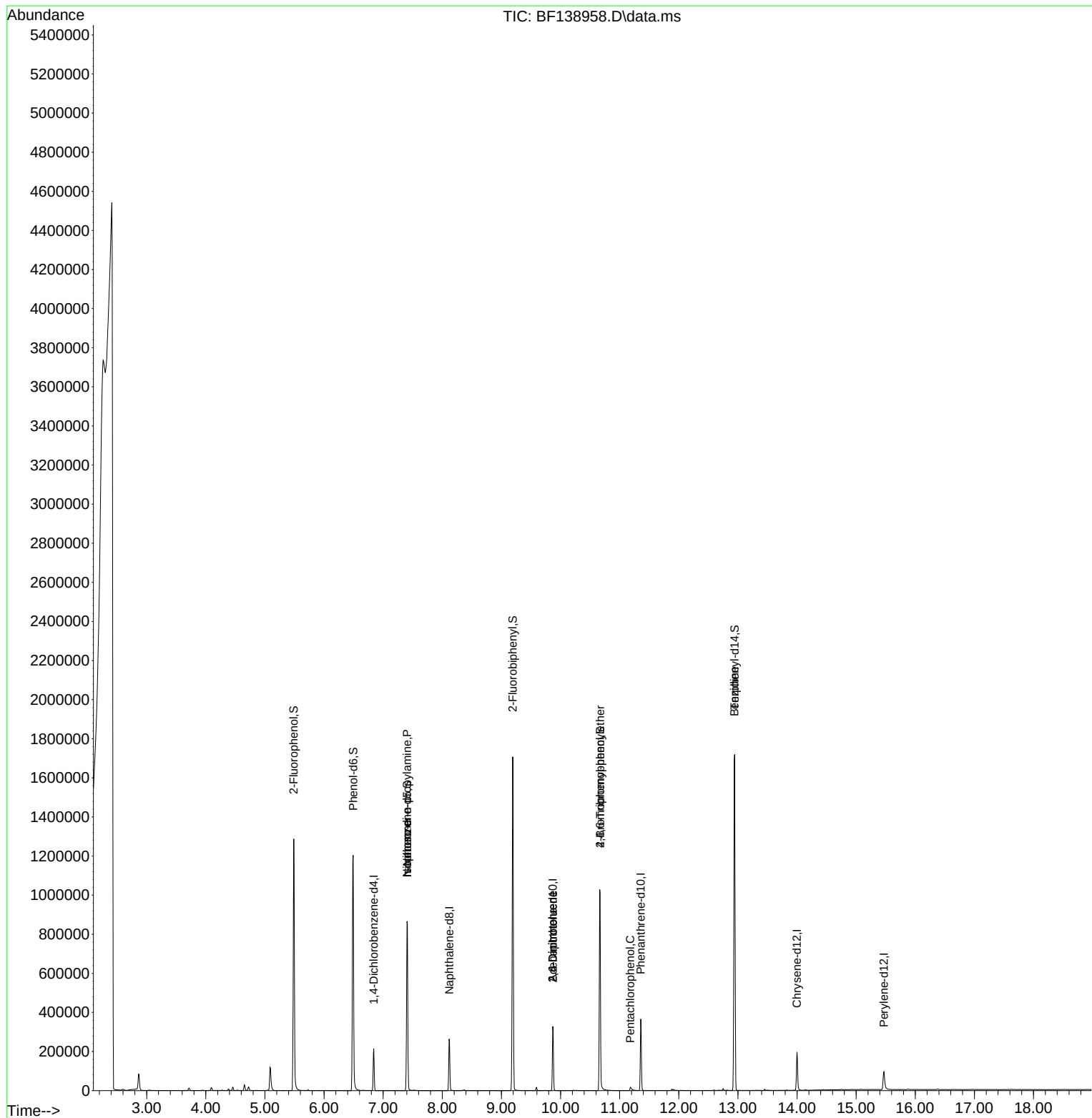
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	40224	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	164091	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	96915	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	184761	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	99253	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	69921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	436442	167.491	ng	0.02
7) Phenol-d6	6.493	99	559888	160.036	ng	0.00
23) Nitrobenzene-d5	7.404	82	390051	116.217	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	161031	202.845	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	722783	112.055	ng	-0.01
79) Terphenyl-d14	12.945	244	851544	143.644	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	54013	25.562	ng	# 79
25) Isophorone	7.404	82	390046	68.060	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	12027	8.600	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	12027	6.741	ng	# 16
67) 4-Bromophenyl-phenylether	10.669	248	11634	5.816	ng	# 1
70) Pentachlorophenol	11.180	266	6567	7.054	ng	99
77) Benzidine	12.939	184	12071	5.085	ng	# 91

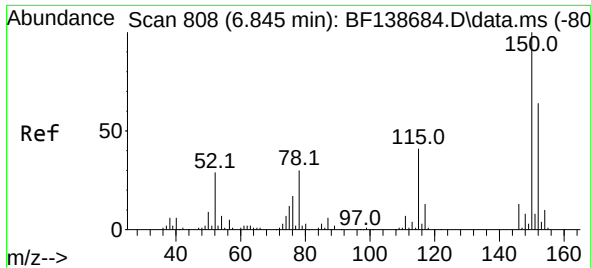
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
Data File : BF138958.D
Acq On : 13 Aug 2024 03:26
Operator : RC/JU
Sample : P3548-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

Quant Time: Aug 13 04:29:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

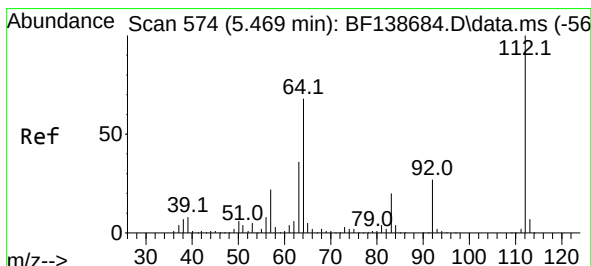
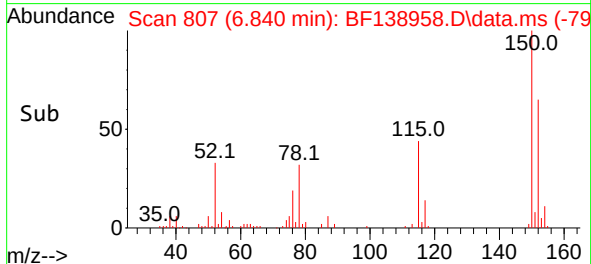
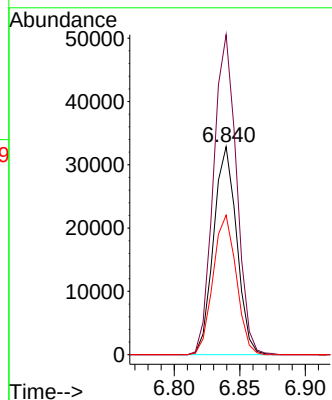
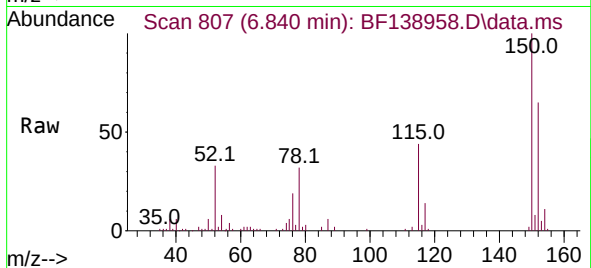




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

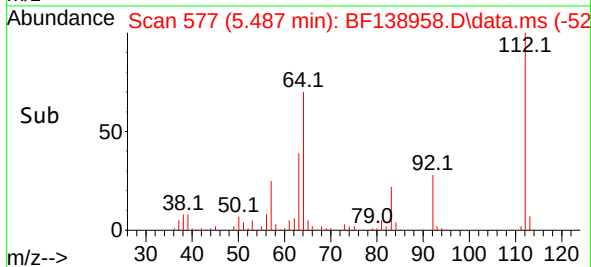
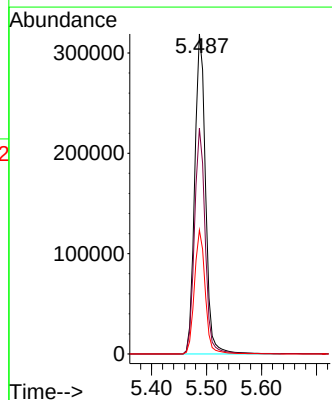
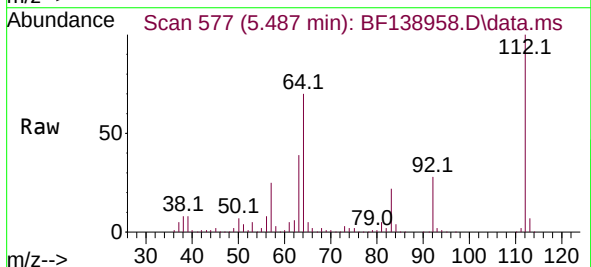
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

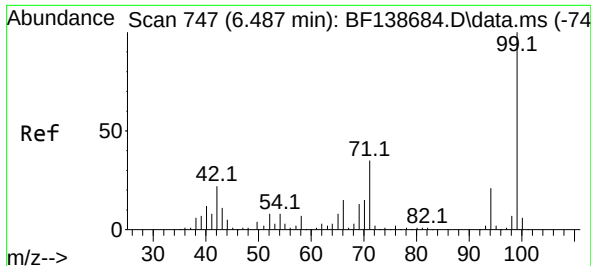
Tgt Ion:152 Resp: 40224
Ion Ratio Lower Upper
152 100
150 153.9 126.0 189.0
115 67.1 51.7 77.5



#5
2-Fluorophenol
Concen: 167.491 ng
RT: 5.487 min Scan# 577
Delta R.T. 0.018 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion:112 Resp: 436442
Ion Ratio Lower Upper
112 100
64 70.5 54.2 81.4
63 38.7 28.7 43.1

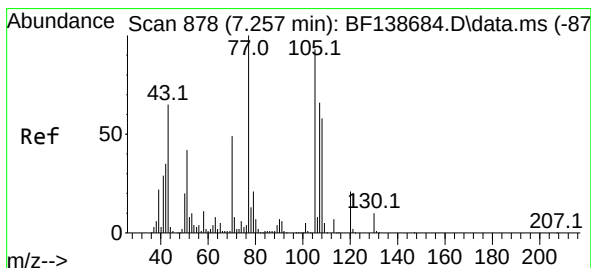
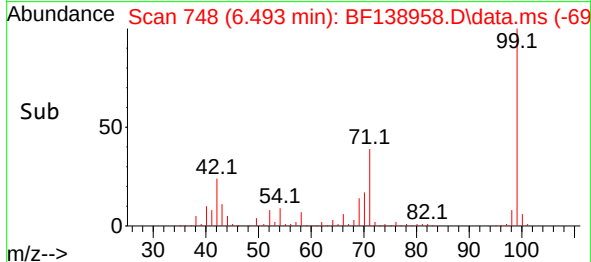
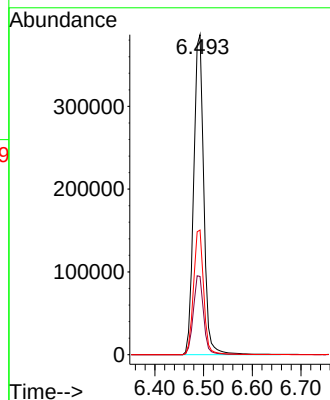
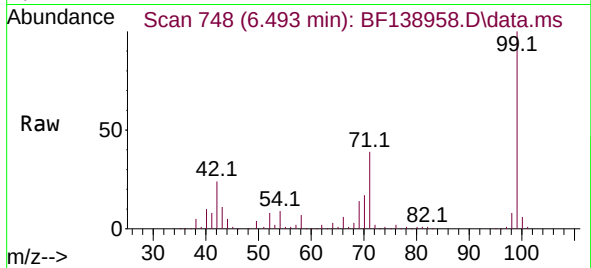




#7
Phenol-d6
Concen: 160.036 ng
RT: 6.493 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

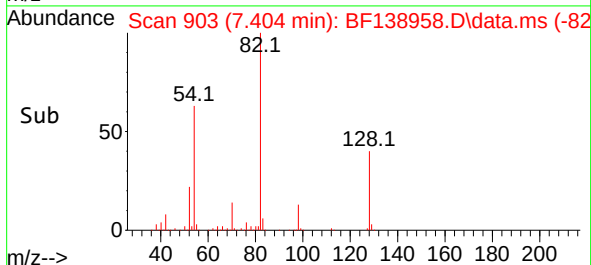
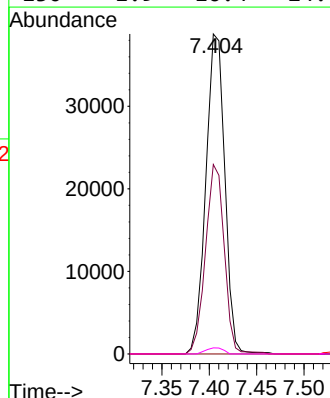
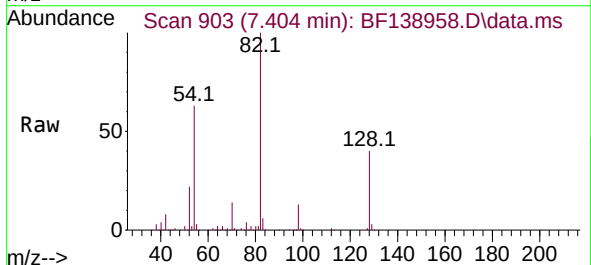
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

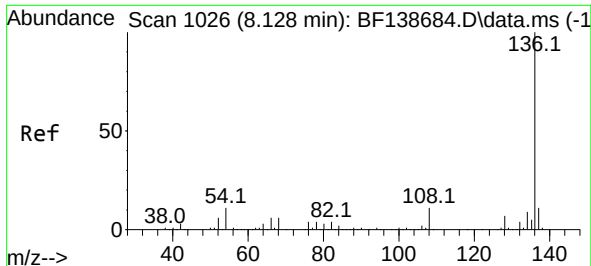
Tgt Ion: 99 Resp: 559888
Ion Ratio Lower Upper
99 100
42 24.5 17.4 26.0
71 38.9 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 25.562 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion: 70 Resp: 54013
Ion Ratio Lower Upper
70 100
42 59.2 57.4 86.0
101 0.0 7.5 11.3#
130 1.9 16.4 24.6#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

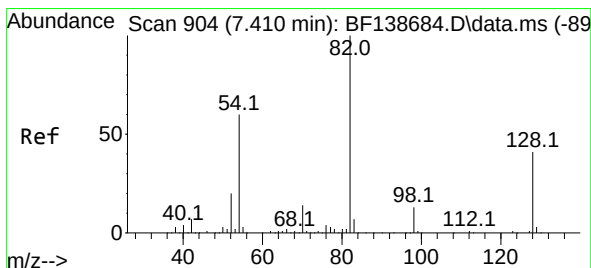
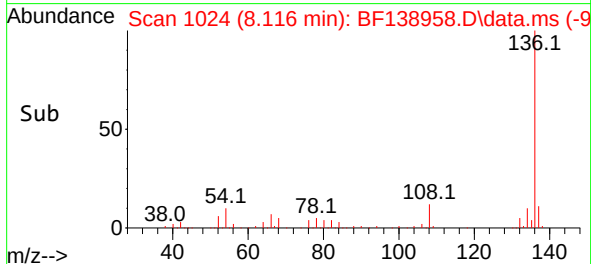
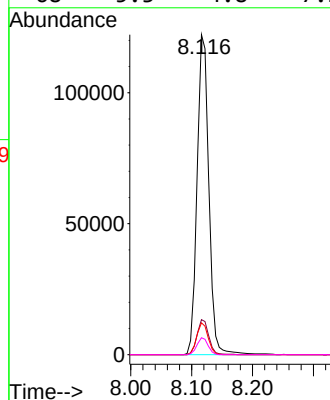
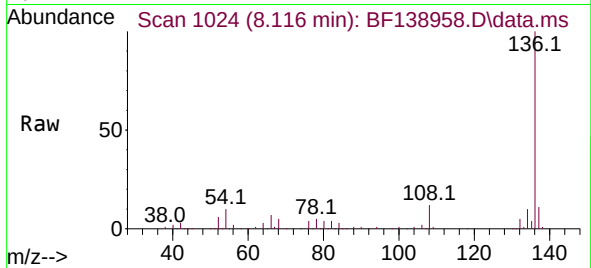
Instrument :

BNA_F

ClientSampleId :

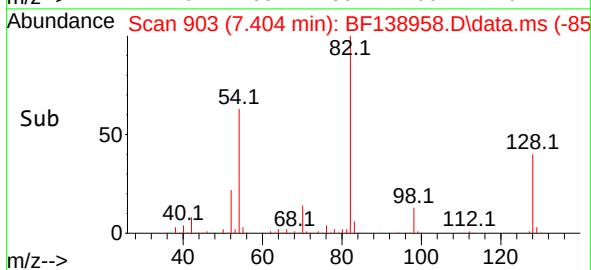
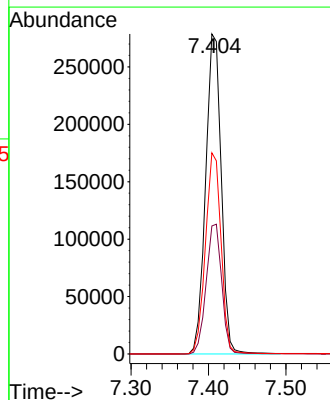
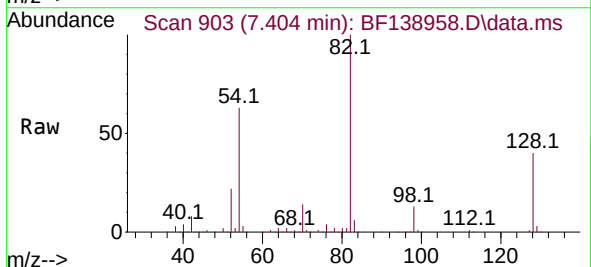
IN-SITU-SOIL

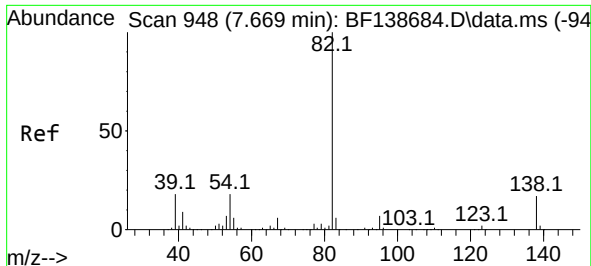
Tgt Ion:136 Resp: 164091
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.0 8.6 12.8
68 5.3 4.8 7.2



#23
Nitrobenzene-d5
Concen: 116.217 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion: 82 Resp: 390051
Ion Ratio Lower Upper
82 100
128 40.0 32.8 49.2
54 62.9 48.3 72.5

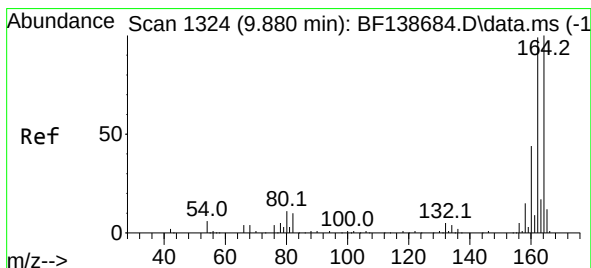
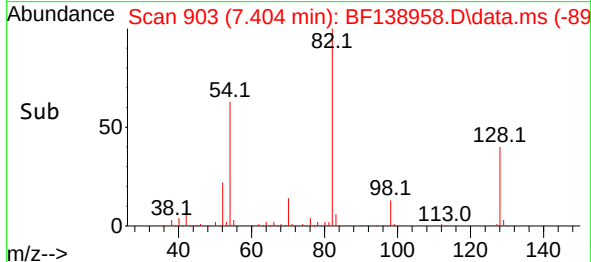
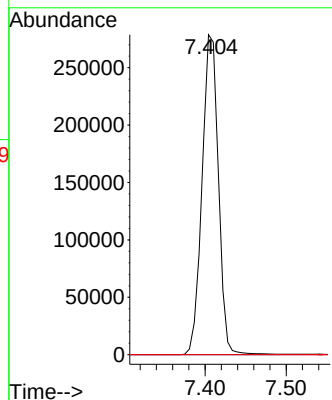
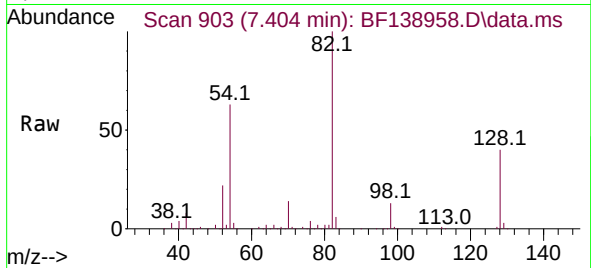




#25
Isophorone
Concen: 68.060 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

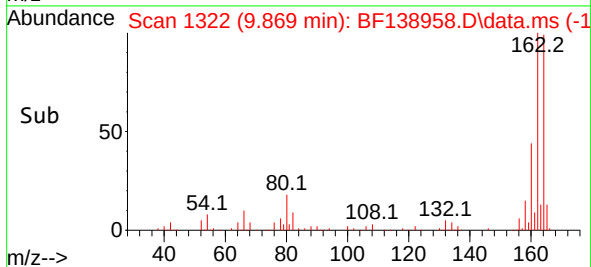
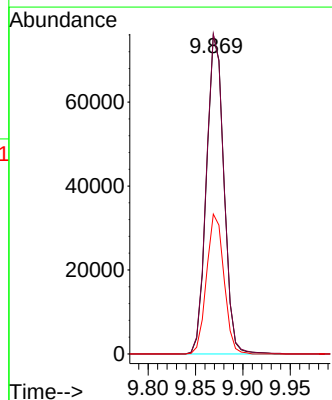
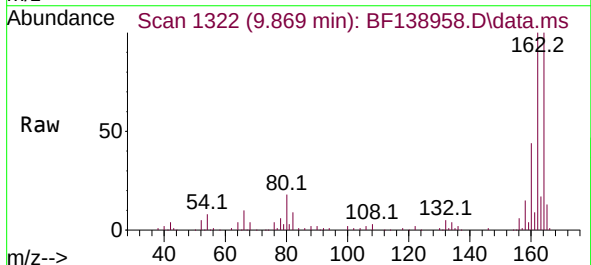
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

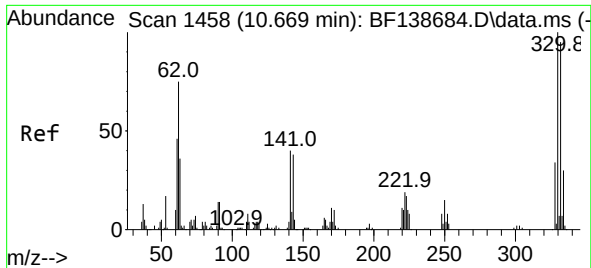
Tgt Ion: 82 Resp: 390046
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion:164 Resp: 96915
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.0
160 43.9 35.1 52.7

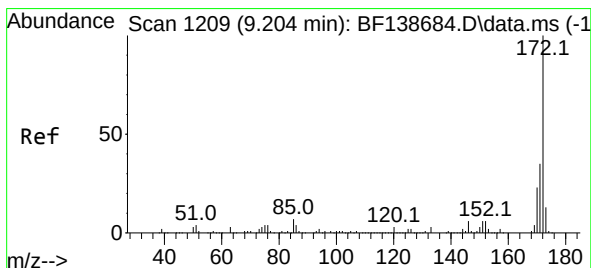
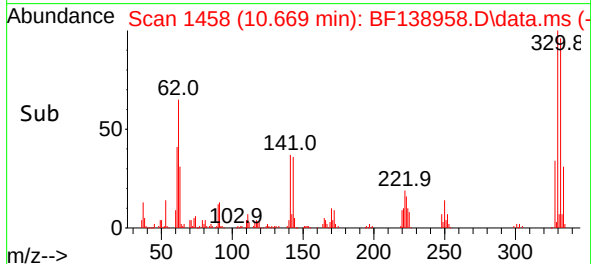
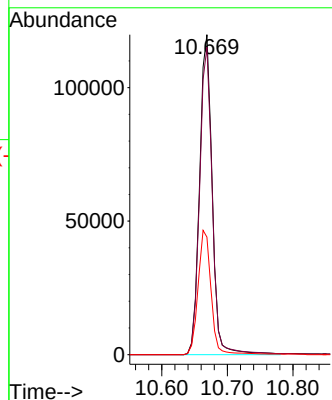
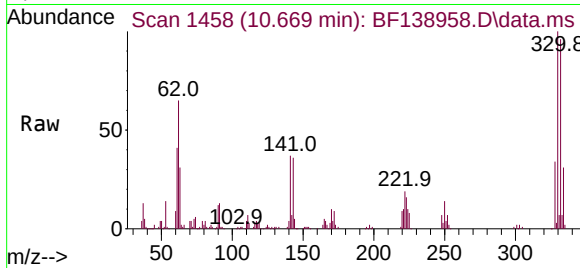




#42
2,4,6-Tribromophenol
Concen: 202.845 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

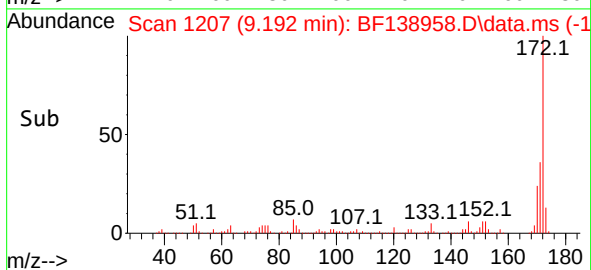
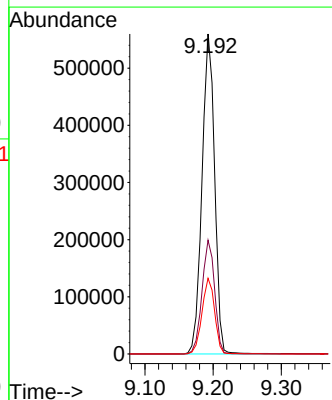
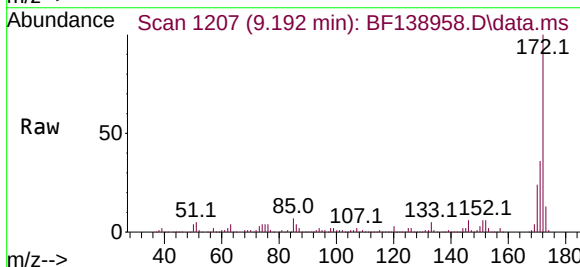
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

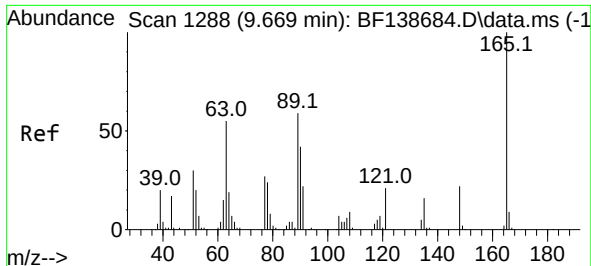
Tgt Ion:330 Resp: 161031
Ion Ratio Lower Upper
330 100
332 97.5 76.4 114.6
141 40.3 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 112.055 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion:172 Resp: 722783
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.7 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.600 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL

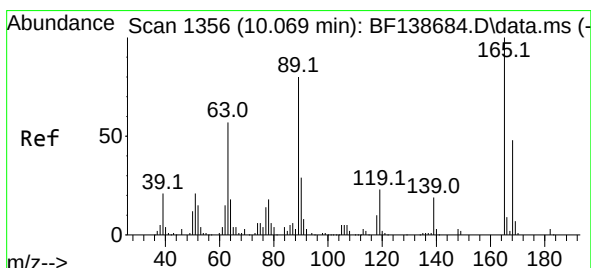
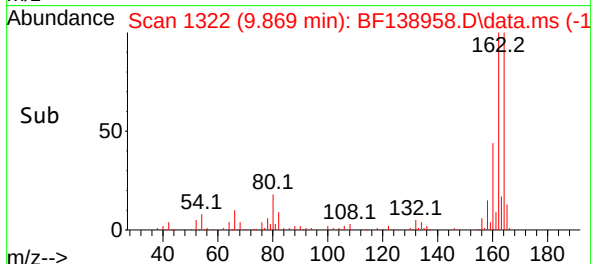
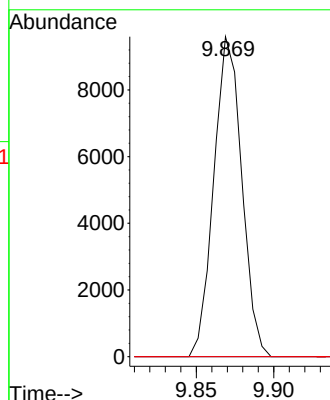
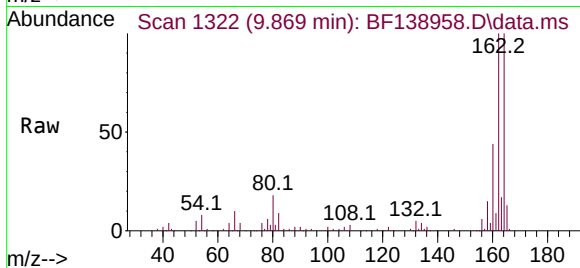
Tgt Ion:165 Resp: 12027

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 6.741 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.200 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

Tgt Ion:165 Resp: 12027

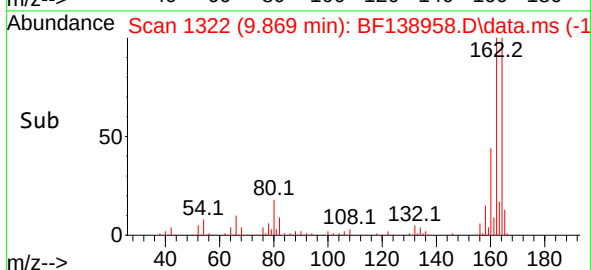
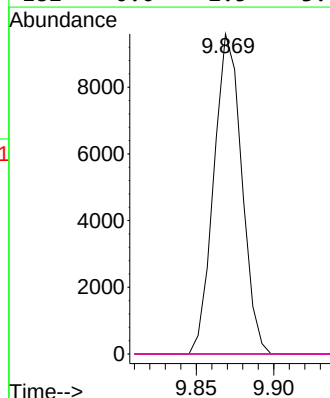
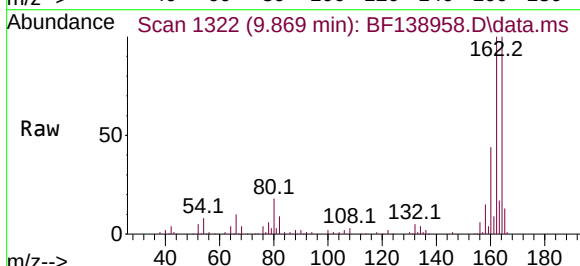
Ion Ratio Lower Upper

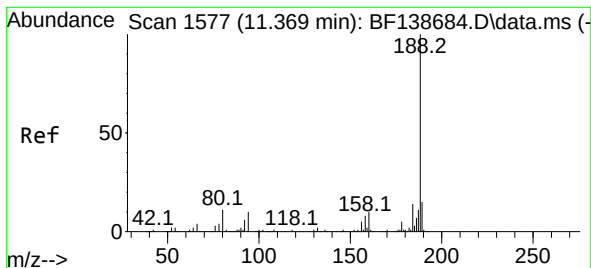
165 100

63 0.0 46.3 69.5#

89 0.0 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL

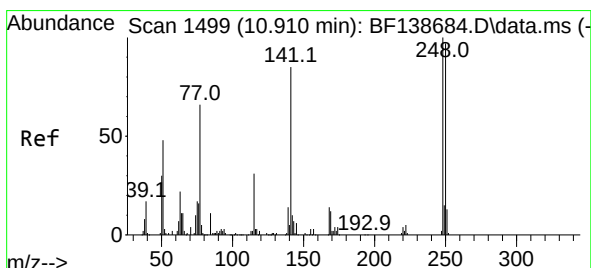
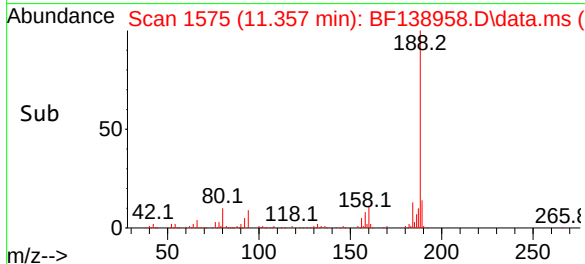
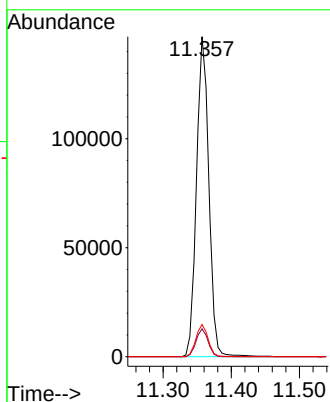
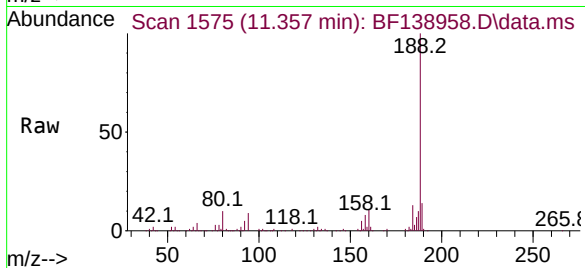
Tgt Ion:188 Resp: 184761

Ion Ratio Lower Upper

188 100

94 8.7 7.6 11.4

80 10.0 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 5.816 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

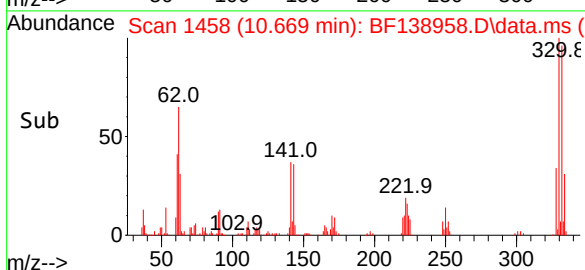
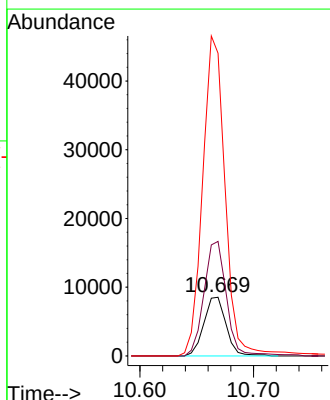
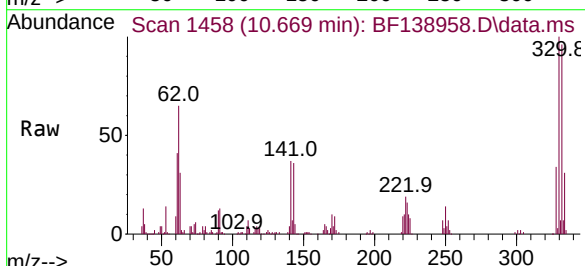
Tgt Ion:248 Resp: 11634

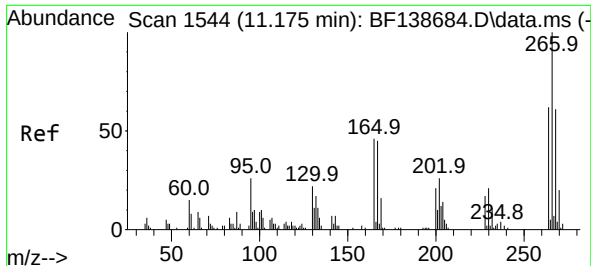
Ion Ratio Lower Upper

248 100

250 194.9 77.7 116.5#

141 515.1 68.0 102.0#

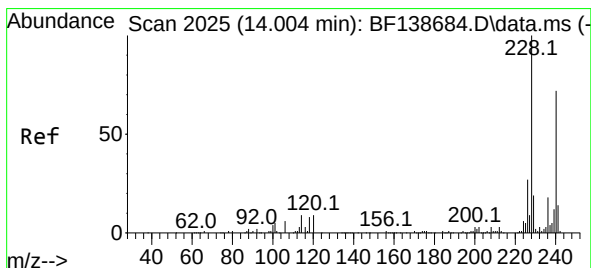
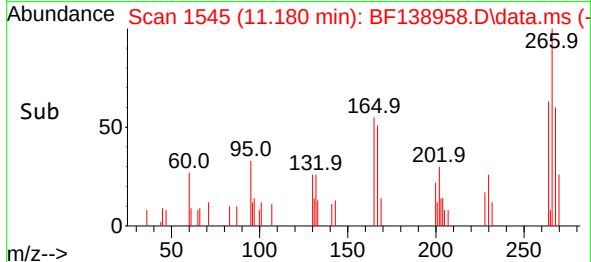
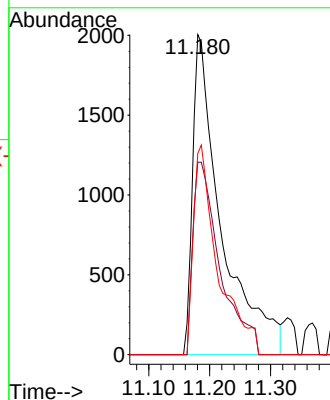
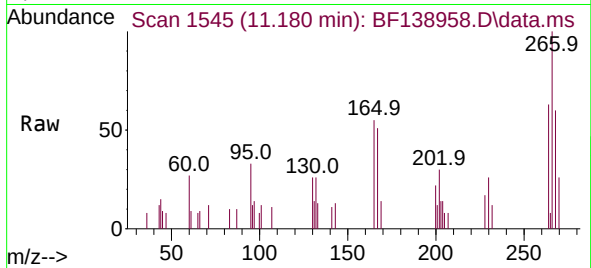




#70
Pentachlorophenol
Concen: 7.054 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

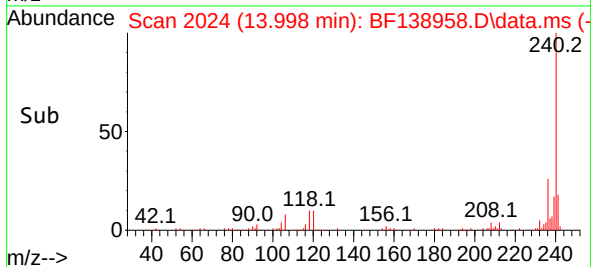
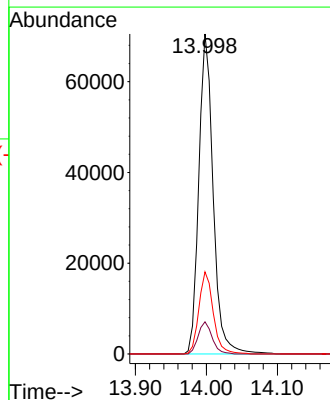
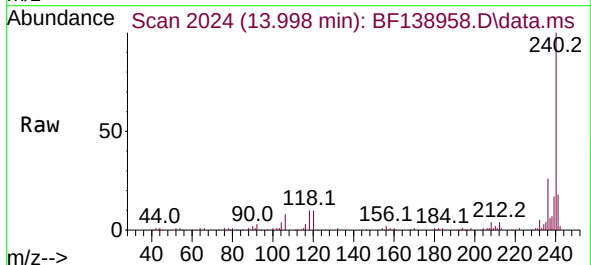
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOIL

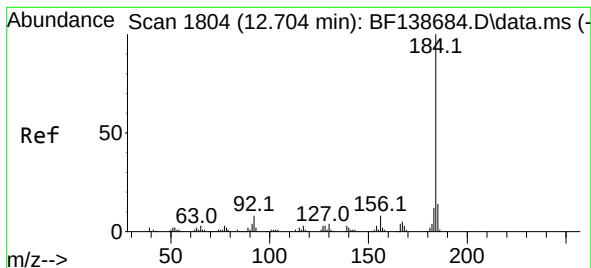
Tgt Ion:266 Resp: 6567
Ion Ratio Lower Upper
266 100
268 60.1 49.2 73.8
264 62.9 49.8 74.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138958.D
Acq: 13 Aug 2024 03:26

Tgt Ion:240 Resp: 99253
Ion Ratio Lower Upper
240 100
120 10.0 10.2 15.4#
236 25.6 19.8 29.8





#77

Benzidine

Concen: 5.085 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOIL

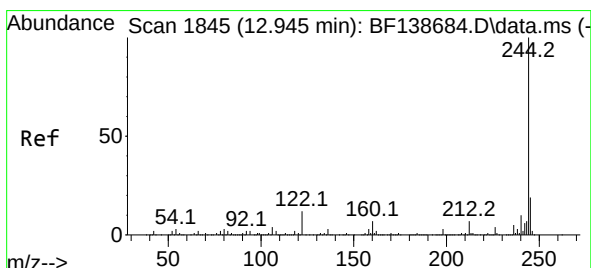
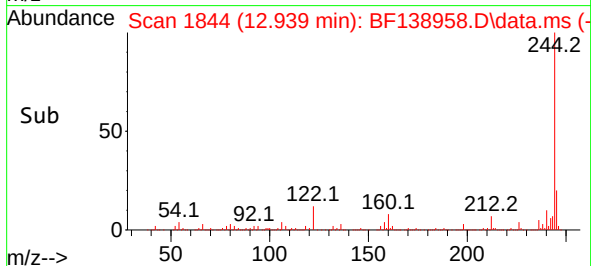
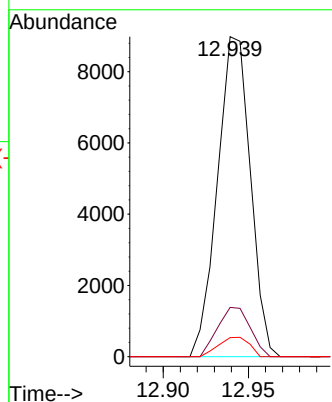
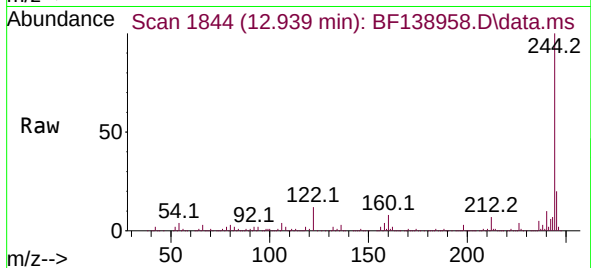
Tgt Ion:184 Resp: 12071

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

183 6.0 9.6 14.4#



#79

Terphenyl-d14

Concen: 143.644 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF138958.D

Acq: 13 Aug 2024 03:26

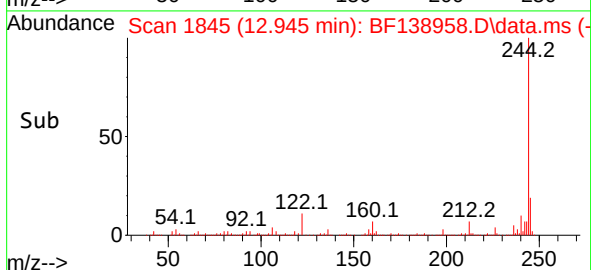
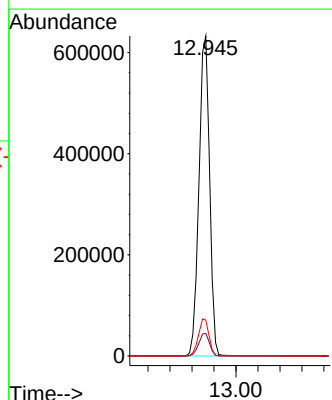
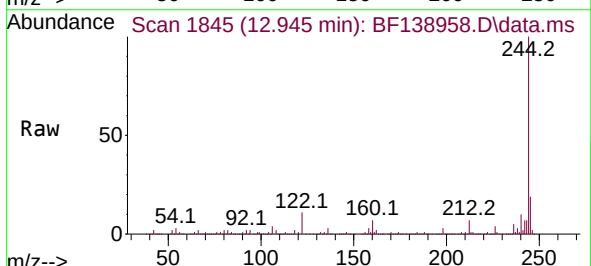
Tgt Ion:244 Resp: 851544

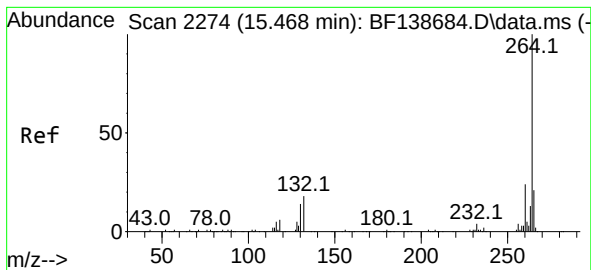
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.2 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138958.D
 Acq: 13 Aug 2024 03:26

Instrument :
 BNA_F
 ClientSampleId :
 IN-SITU-SOIL

Tgt Ion:264 Resp: 69921
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.8 17.0 25.6

