

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139046.D
 Acq On : 16 Aug 2024 03:20
 Operator : RC/JU
 Sample : P3548-12RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IN-SITU-SOILRE

Quant Time: Aug 16 04:34:26 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)

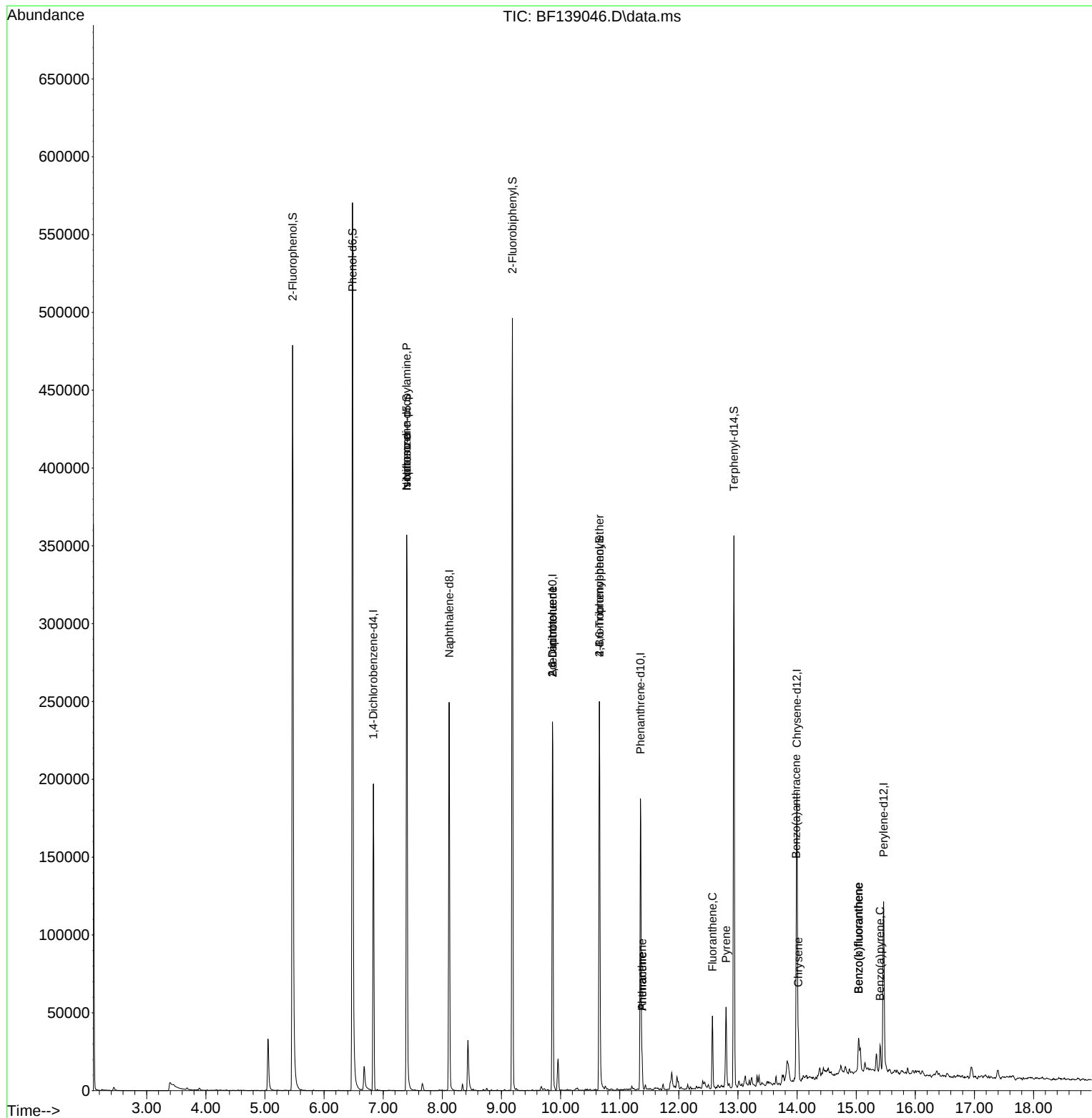
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	36225	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	145422	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	69108	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	96521	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	75835	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	61014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	169233	72.115	ng	0.00
7) Phenol-d6	6.481	99	243472	77.276	ng	0.00
23) Nitrobenzene-d5	7.398	82	150660	50.652	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	35371	62.483	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	200165	43.518	ng	-0.02
79) Terphenyl-d14	12.933	244	158029	34.889	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	20680	10.867	ng	# 83
25) Isophorone	7.398	82	150659	29.664	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	8543	8.567	ng	# 19
57) 2,4-Dinitrotoluene	9.863	165	8543	6.714	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	2533	2.424	ng	# 1
71) Phenanthrene	11.380	178	12350	2.485	ng	98
72) Anthracene	11.380	178	12350	2.522	ng	98
75) Fluoranthene	12.569	202	26179	5.642	ng	98
78) Pyrene	12.798	202	28578	4.002	ng	98
81) Benzo(a)anthracene	13.986	228	16629	3.184	ng	97
83) Chrysene	14.021	228	14512	3.080	ng	98
88) Benzo(b)fluoranthene	15.039	252	19189	5.073	ng	97
89) Benzo(k)fluoranthene	15.039	252	19189	5.860	ng	97
90) Benzo(a)pyrene	15.404	252	9979	3.137	ng	97

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

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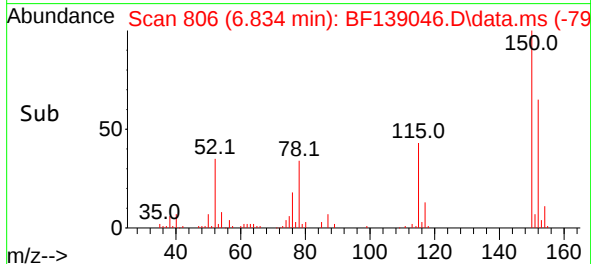
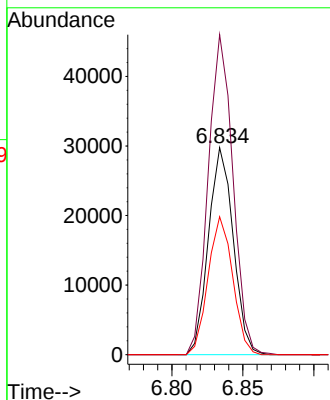
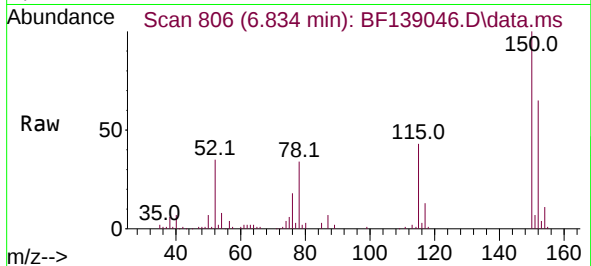




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

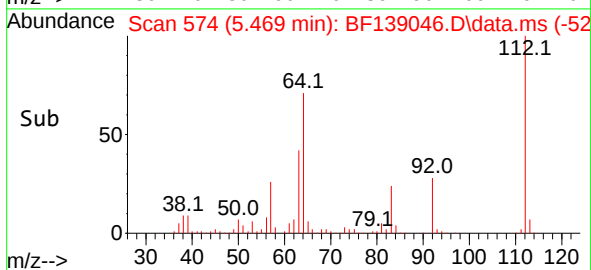
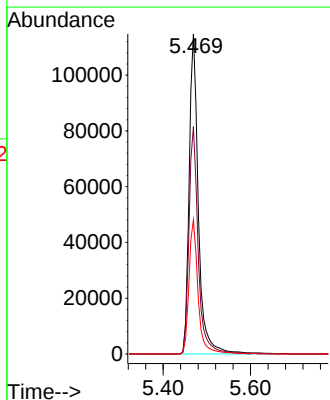
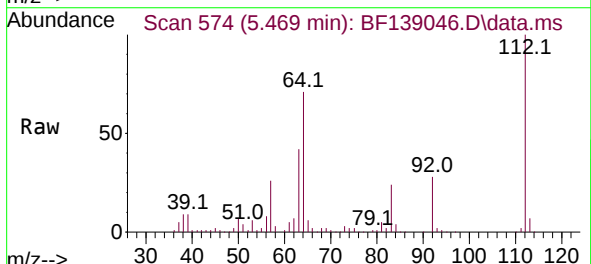
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:152 Resp: 36225
Ion Ratio Lower Upper
152 100
150 154.5 126.0 189.0
115 66.6 51.7 77.5



#5
2-Fluorophenol
Concen: 72.115 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:112 Resp: 169233
Ion Ratio Lower Upper
112 100
64 71.1 54.2 81.4
63 41.9 28.7 43.1

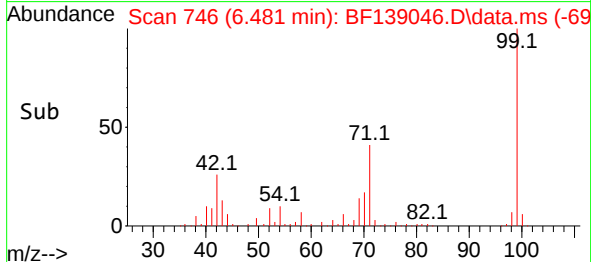
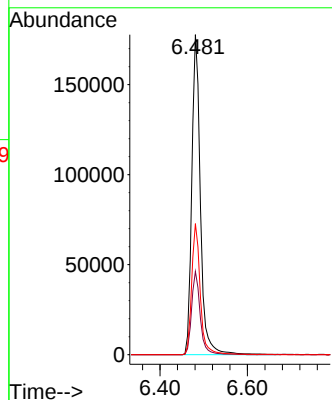
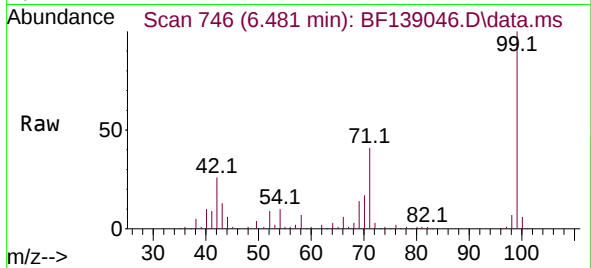




#7
Phenol-d6
Concen: 77.276 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

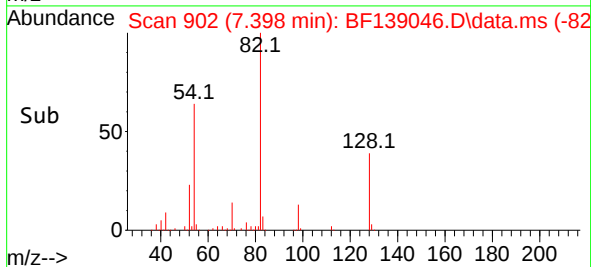
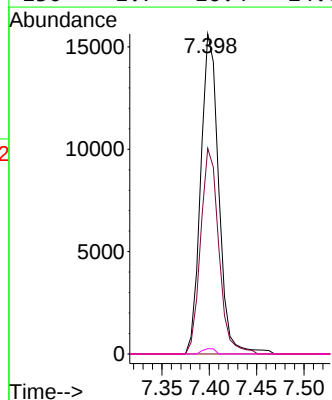
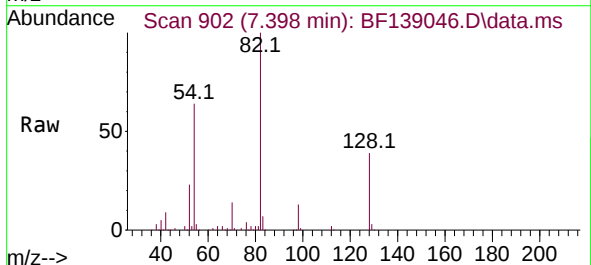
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion: 99 Resp: 243472
Ion Ratio Lower Upper
99 100
42 26.0 17.4 26.0
71 41.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.867 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion: 70 Resp: 20680
Ion Ratio Lower Upper
70 100
42 64.3 57.4 86.0
101 0.0 7.5 11.3#
130 1.7 16.4 24.6#



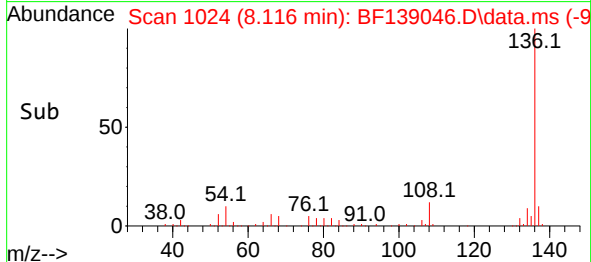
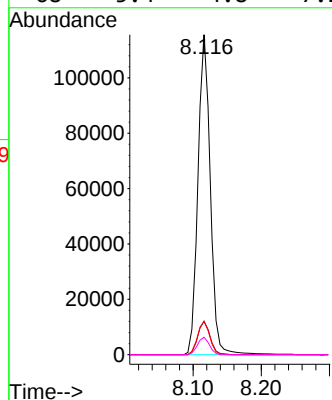
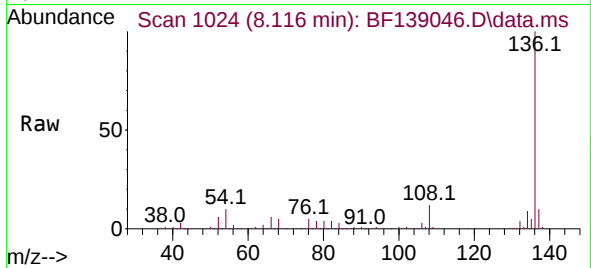


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:136 Resp: 145422

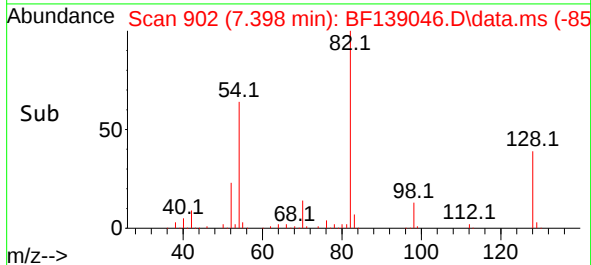
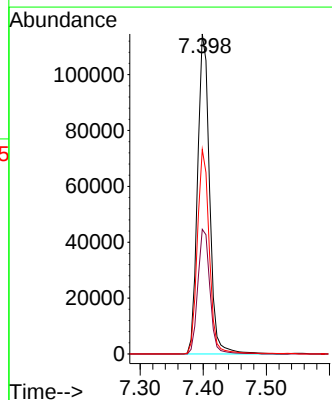
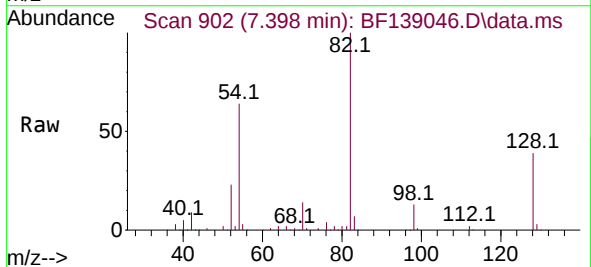
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	10.4	8.6	12.8
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 50.652 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion: 82 Resp: 150660

Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.8	49.2
54	63.9	48.3	72.5

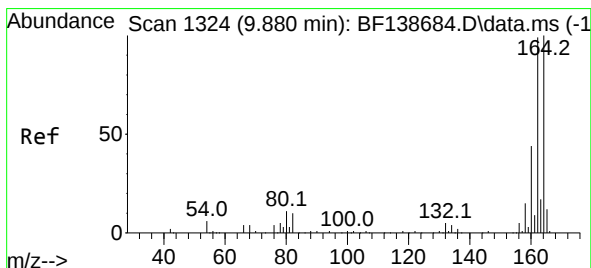
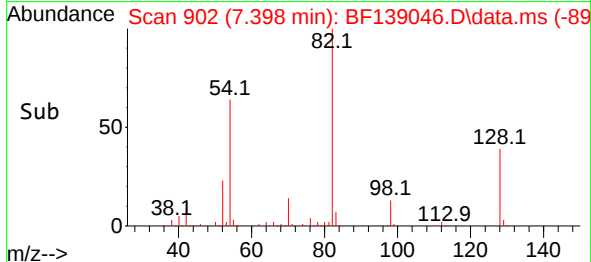
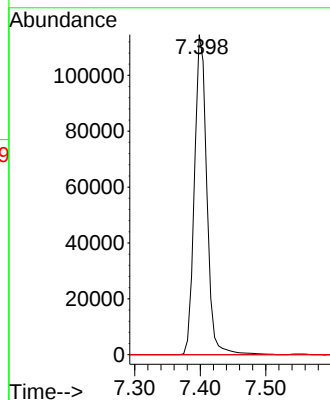
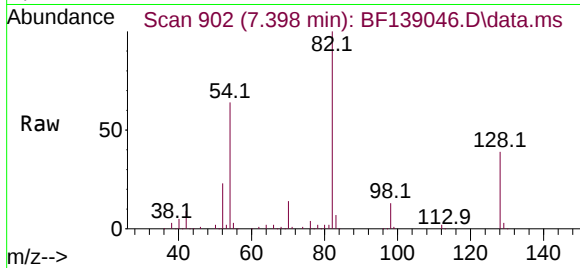




#25
Isophorone
Concen: 29.664 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

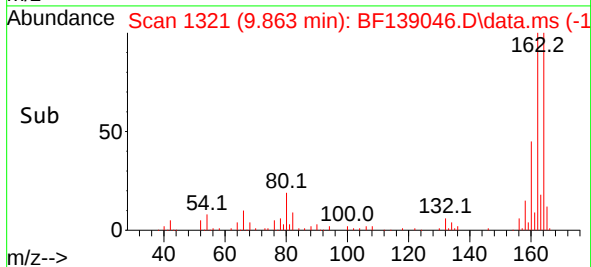
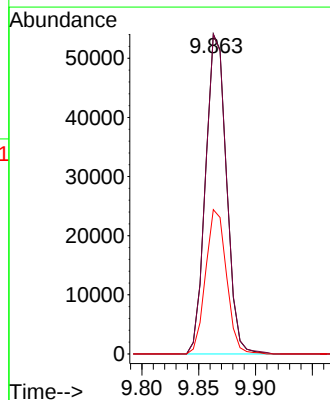
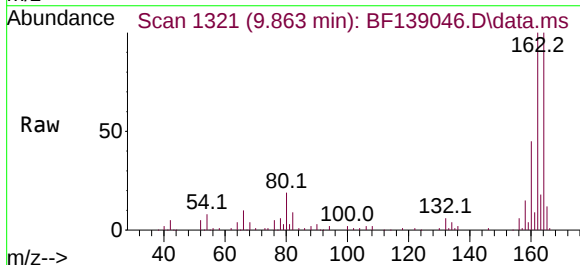
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion: 82 Resp: 150659
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: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:164 Resp: 69108
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.0
160 45.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 62.483 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

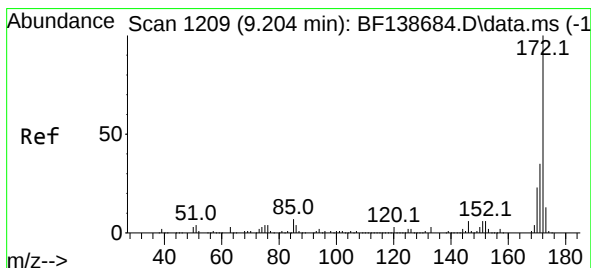
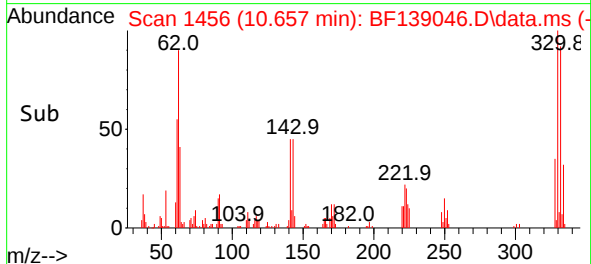
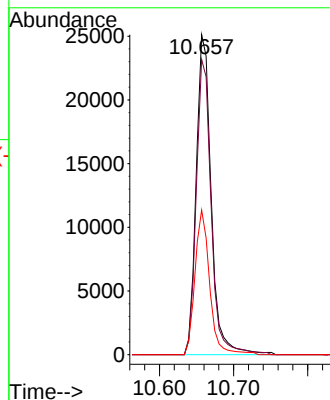
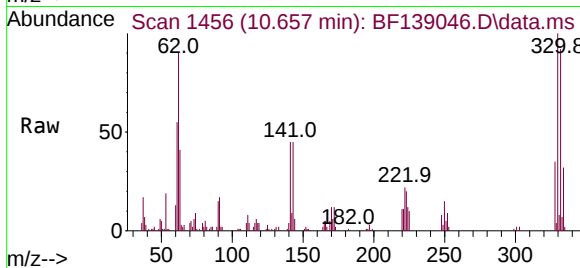
Tgt Ion:330 Resp: 35371

Ion Ratio Lower Upper

330 100

332 91.7 76.4 114.6

141 44.2 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 43.518 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

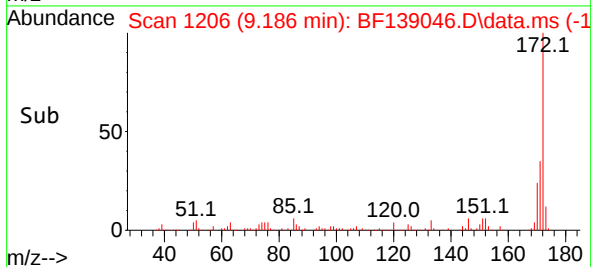
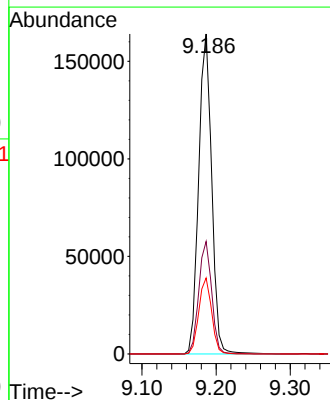
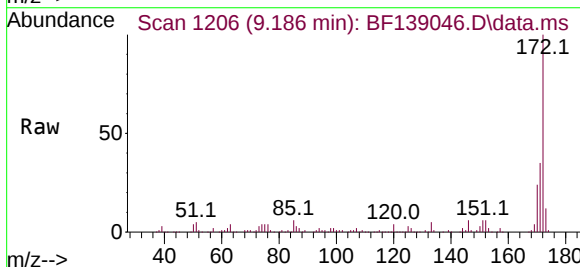
Tgt Ion:172 Resp: 200165

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.7 18.8 28.2

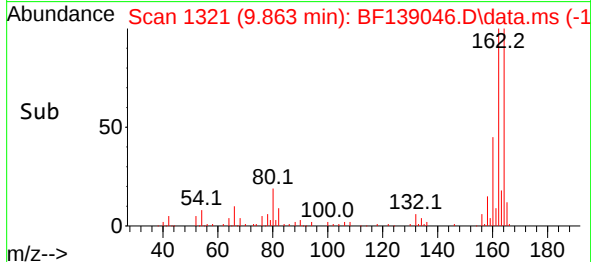
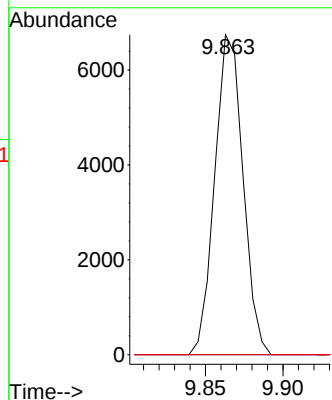
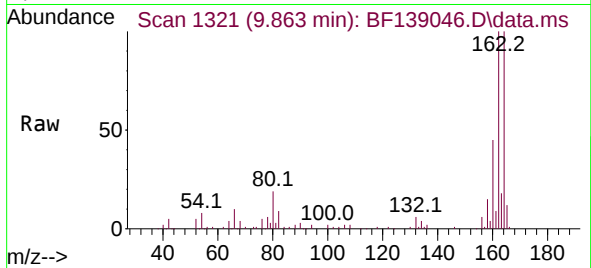




#51
2,6-Dinitrotoluene
Concen: 8.567 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

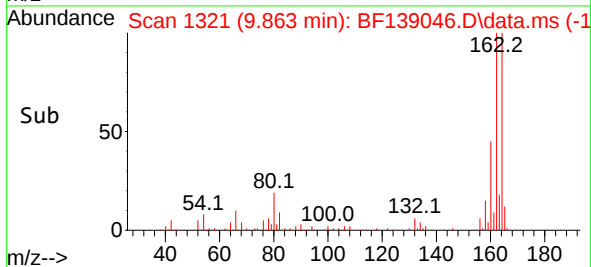
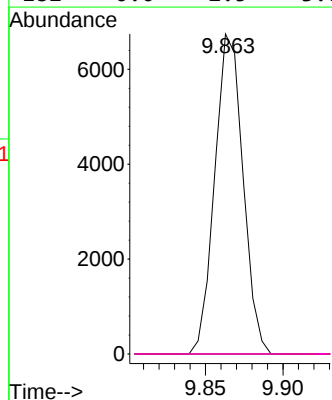
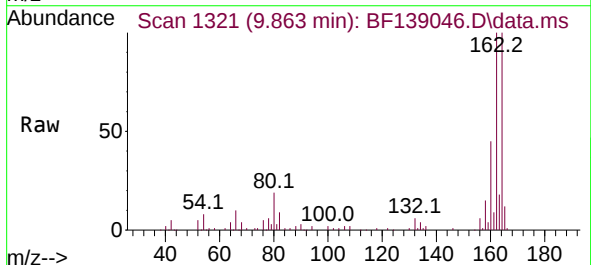
Instrument :
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ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:165 Resp: 8543
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: 6.714 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.206 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:165 Resp: 8543
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: 11.351 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

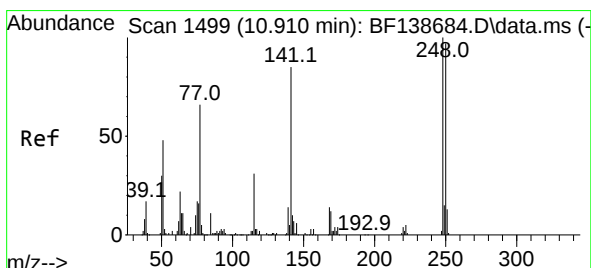
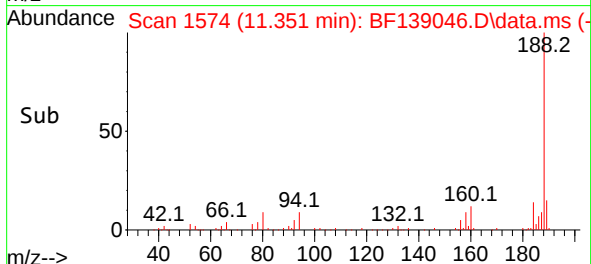
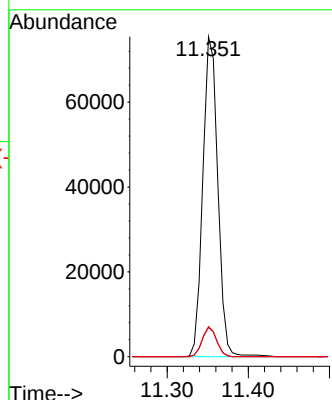
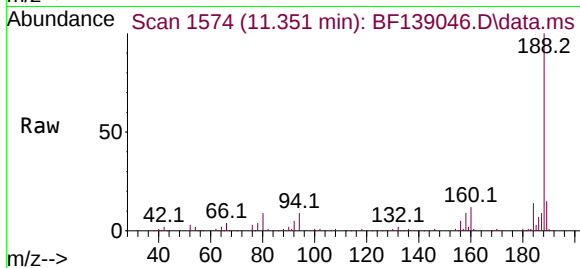
Tgt Ion:188 Resp: 96521

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 9.4 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.424 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

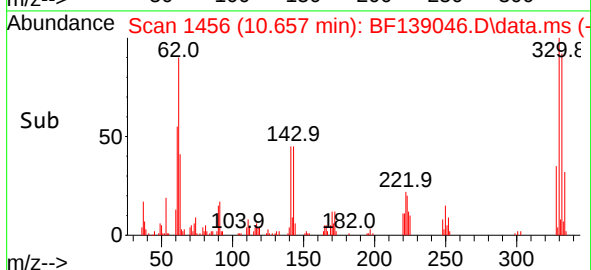
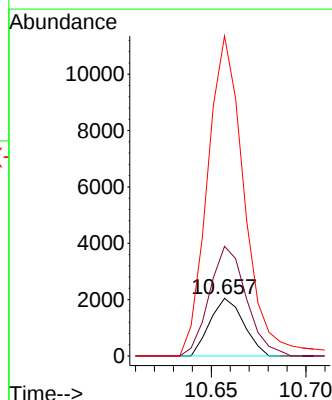
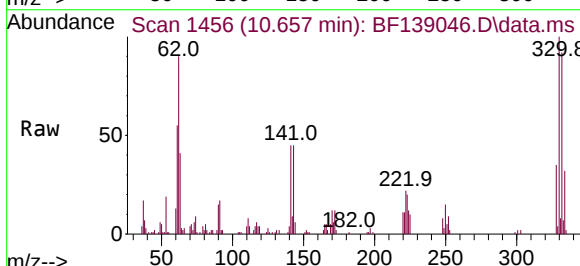
Tgt Ion:248 Resp: 2533

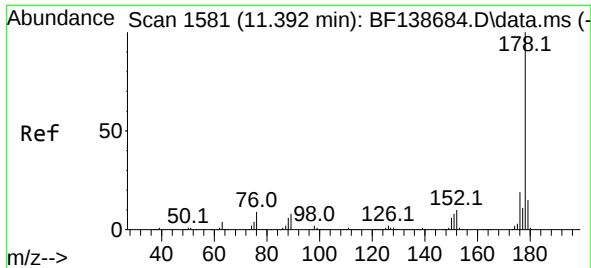
Ion Ratio Lower Upper

248 100

250 190.6 77.7 116.5#

141 556.3 68.0 102.0#

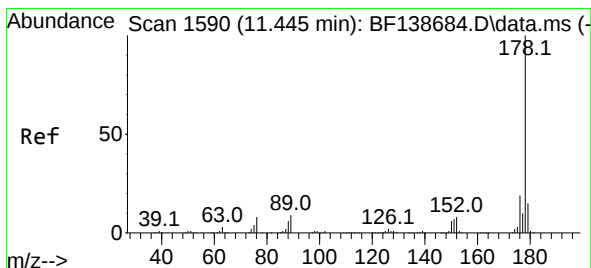
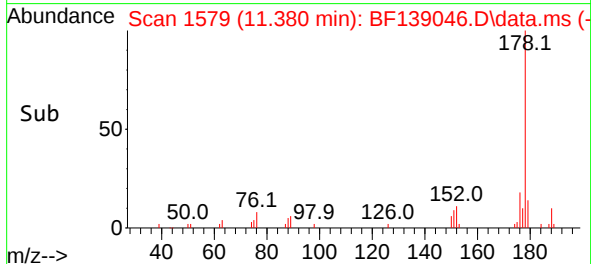
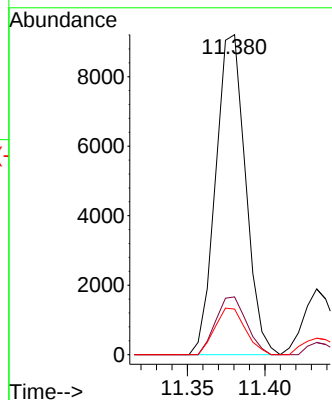
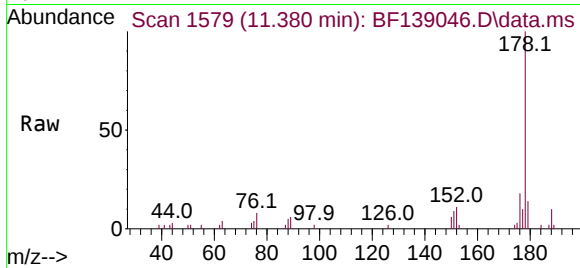




#71
Phenanthrene
Concen: 2.485 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

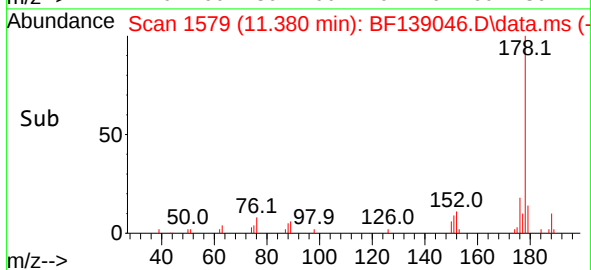
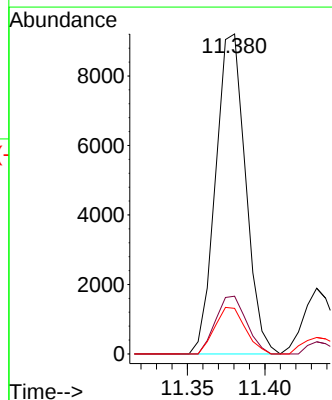
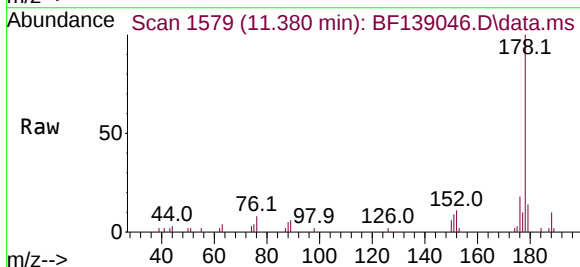
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

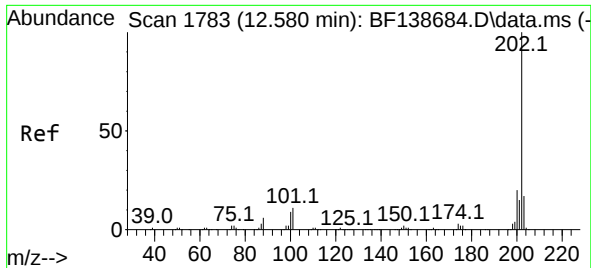
Tgt Ion:178 Resp: 12350
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.3 12.2 18.2



#72
Anthracene
Concen: 2.522 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.065 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:178 Resp: 12350
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 14.3 12.4 18.6

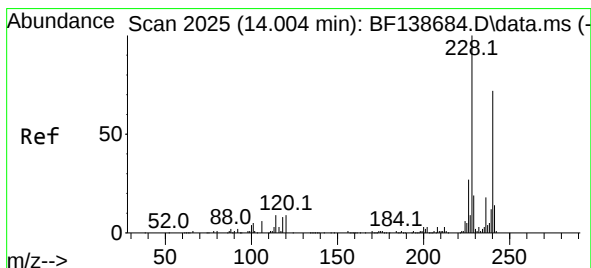
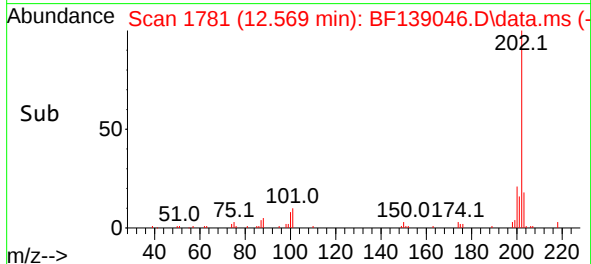
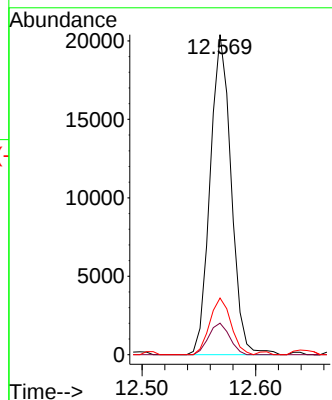
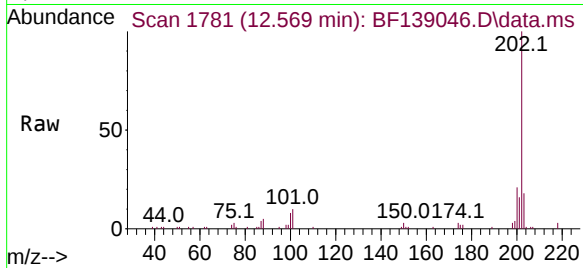




#75
Fluoranthene
Concen: 5.642 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

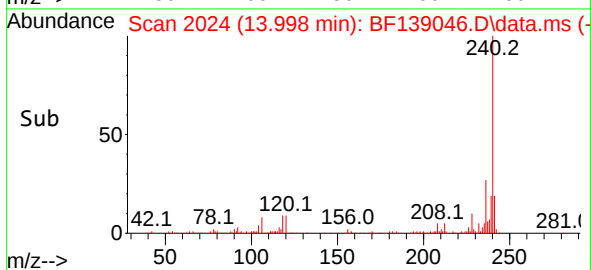
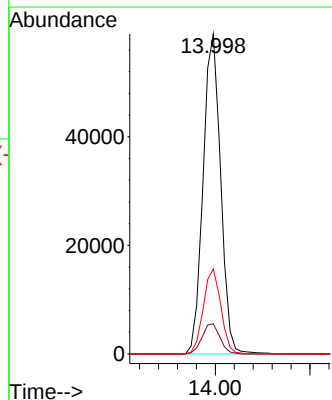
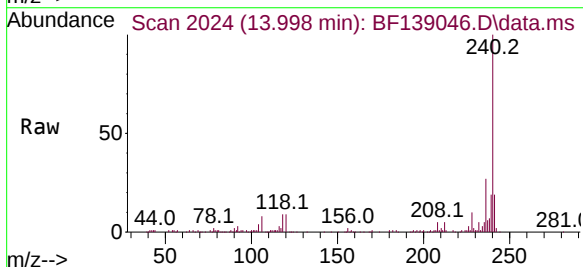
Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

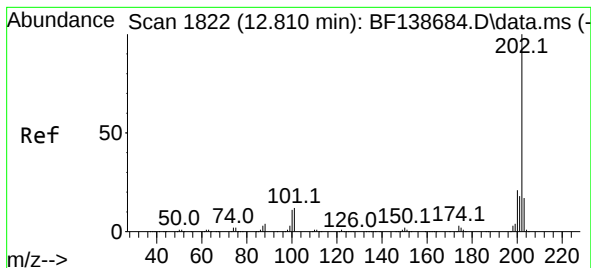
Tgt Ion:202 Resp: 26179
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:240 Resp: 75835
Ion Ratio Lower Upper
240 100
120 9.4 10.2 15.4#
236 26.5 19.8 29.8





#78

Pyrene

Concen: 4.002 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

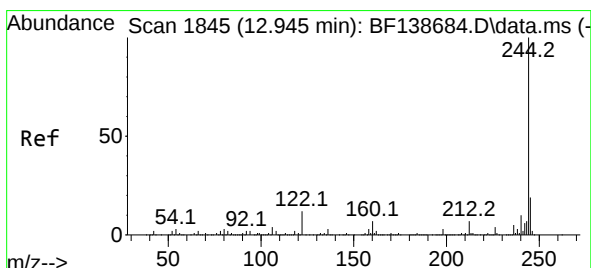
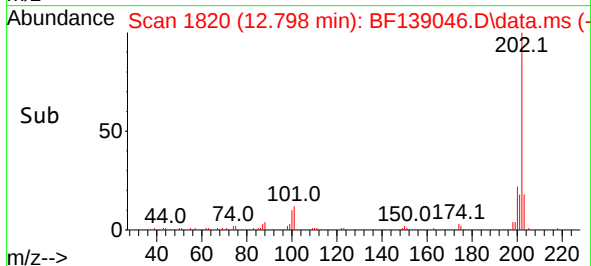
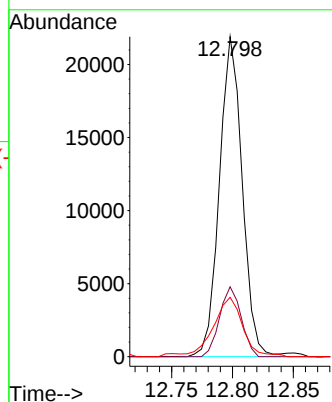
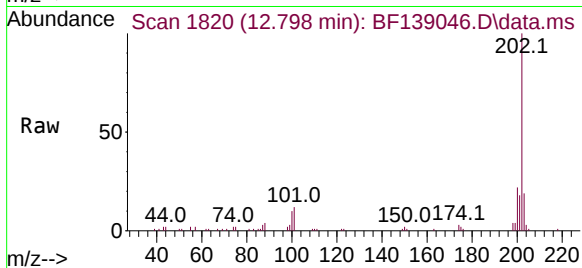
Tgt Ion:202 Resp: 28578

Ion Ratio Lower Upper

202 100

200 21.9 16.8 25.2

203 18.6 13.8 20.6



#79

Terphenyl-d14

Concen: 34.889 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

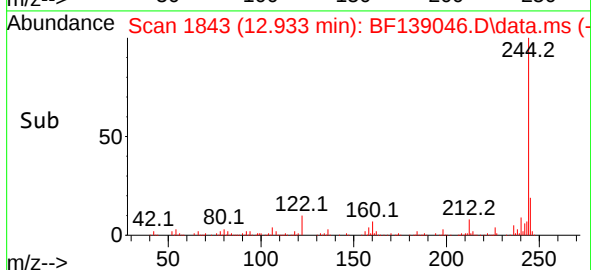
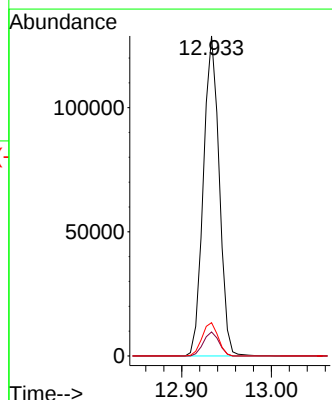
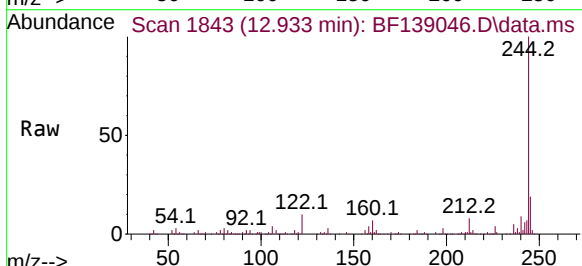
Tgt Ion:244 Resp: 158029

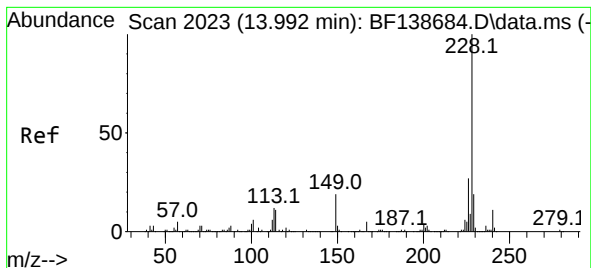
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 10.4 9.6 14.4





#81

Benzo(a)anthracene

Concen: 3.184 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

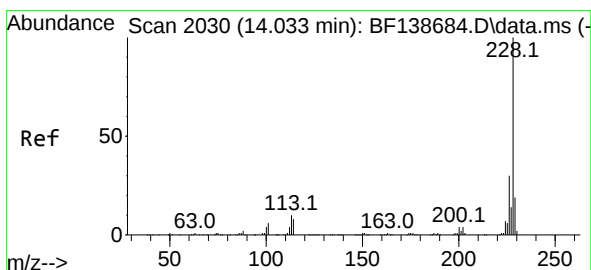
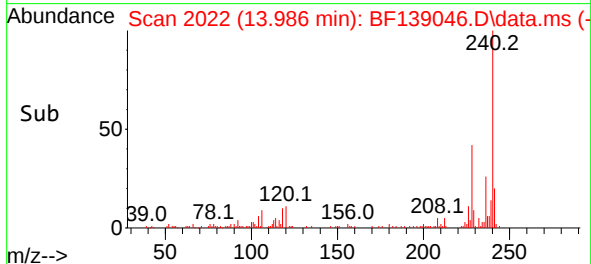
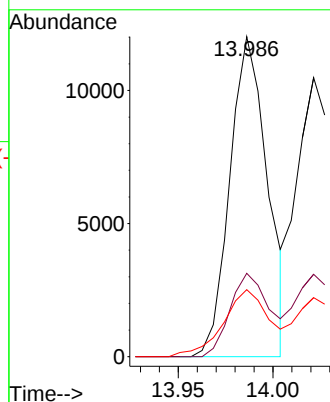
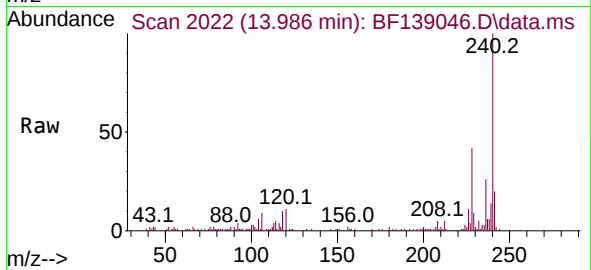
Tgt Ion:228 Resp: 16629

Ion Ratio Lower Upper

228 100

226 26.1 22.1 33.1

229 20.9 15.4 23.0



#83

Chrysene

Concen: 3.080 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

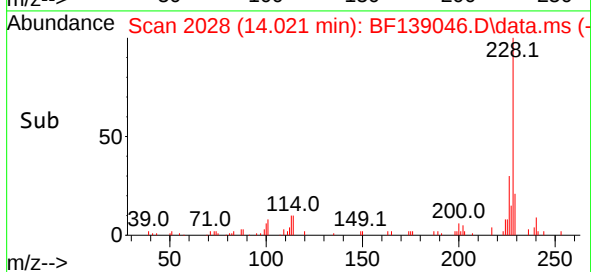
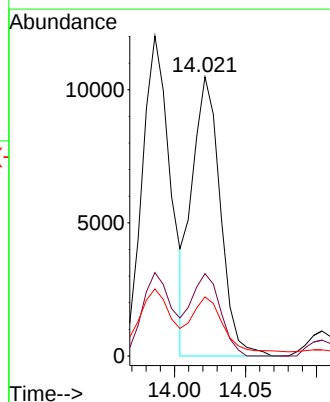
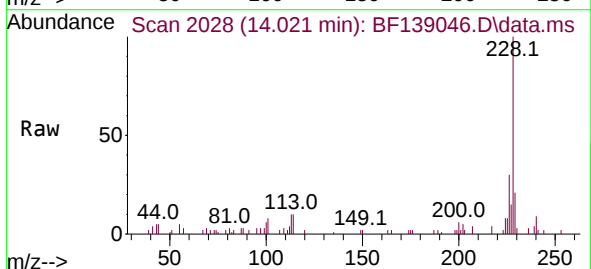
Tgt Ion:228 Resp: 14512

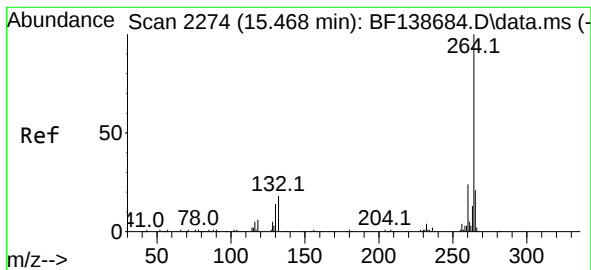
Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 21.2 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

Instrument :

BNA_F

ClientSampleId :

IN-SITU-SOILRE

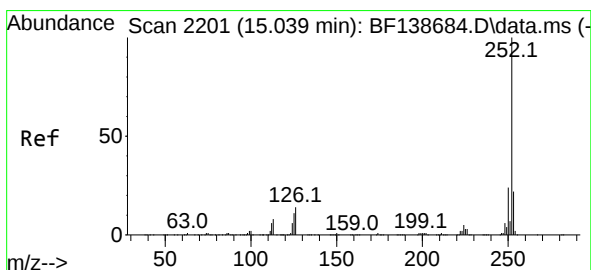
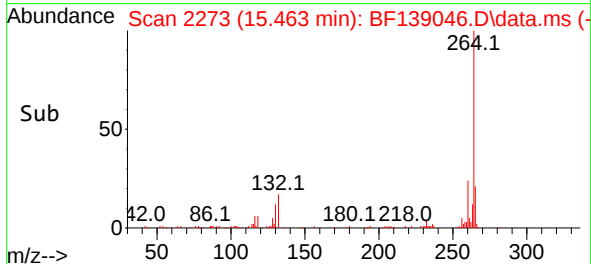
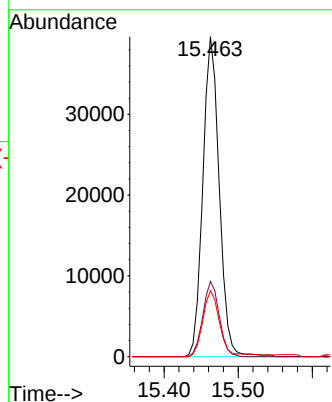
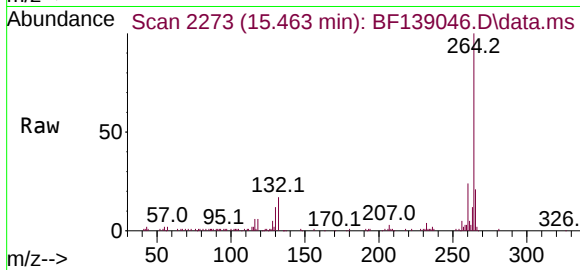
Tgt Ion:264 Resp: 61014

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 20.6 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.073 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139046.D

Acq: 16 Aug 2024 03:20

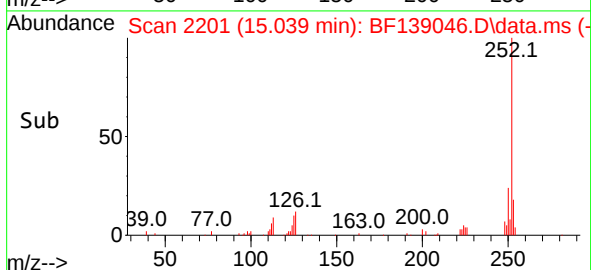
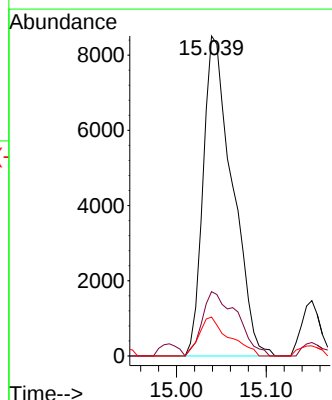
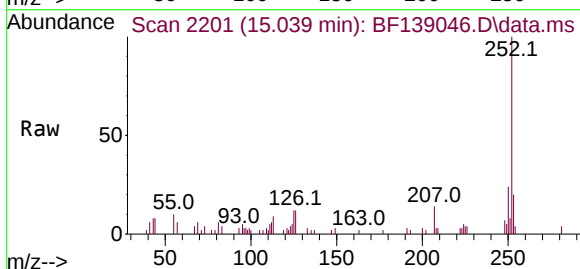
Tgt Ion:252 Resp: 19189

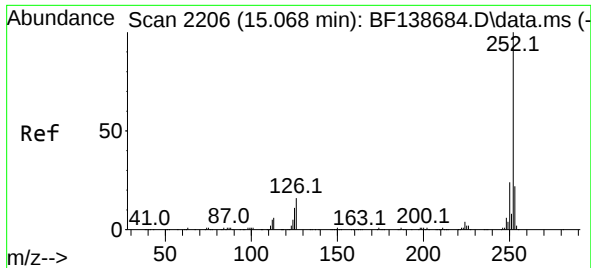
Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

125 12.1 8.9 13.3

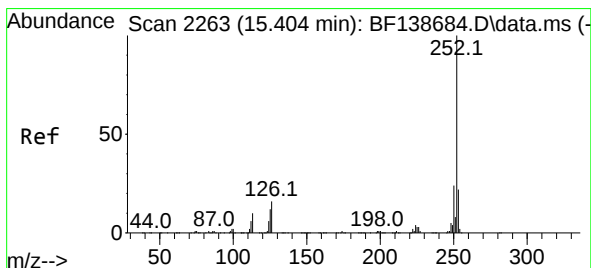
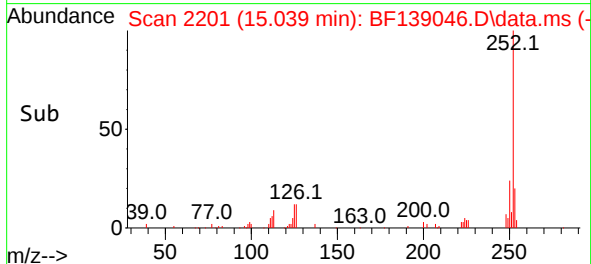
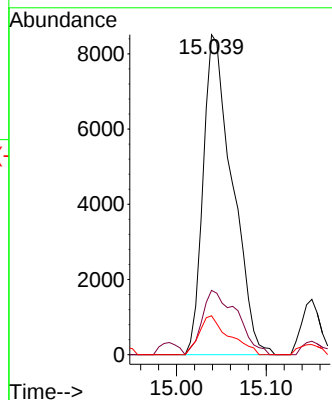
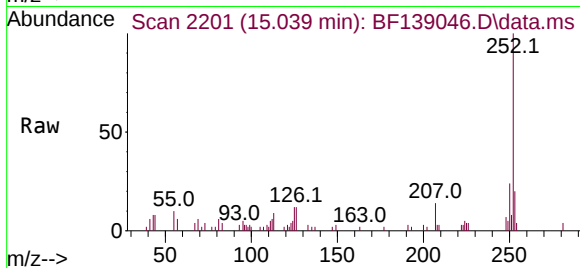




#89
Benzo(k)fluoranthene
Concen: 5.860 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.029 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Instrument :
BNA_F
ClientSampleId :
IN-SITU-SOILRE

Tgt Ion:252 Resp: 19189
Ion Ratio Lower Upper
252 100
253 20.1 17.4 26.0
125 12.1 8.6 13.0



#90
Benzo(a)pyrene
Concen: 3.137 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139046.D
Acq: 16 Aug 2024 03:20

Tgt Ion:252 Resp: 9979
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.2 9.5 14.3

