

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052224\
 Data File : BF138012.D
 Acq On : 22 May 2024 18:53
 Operator : CG\JU
 Sample : P2538-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POLE-SLEEVE-SOILD

Quant Time: May 23 01:13:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

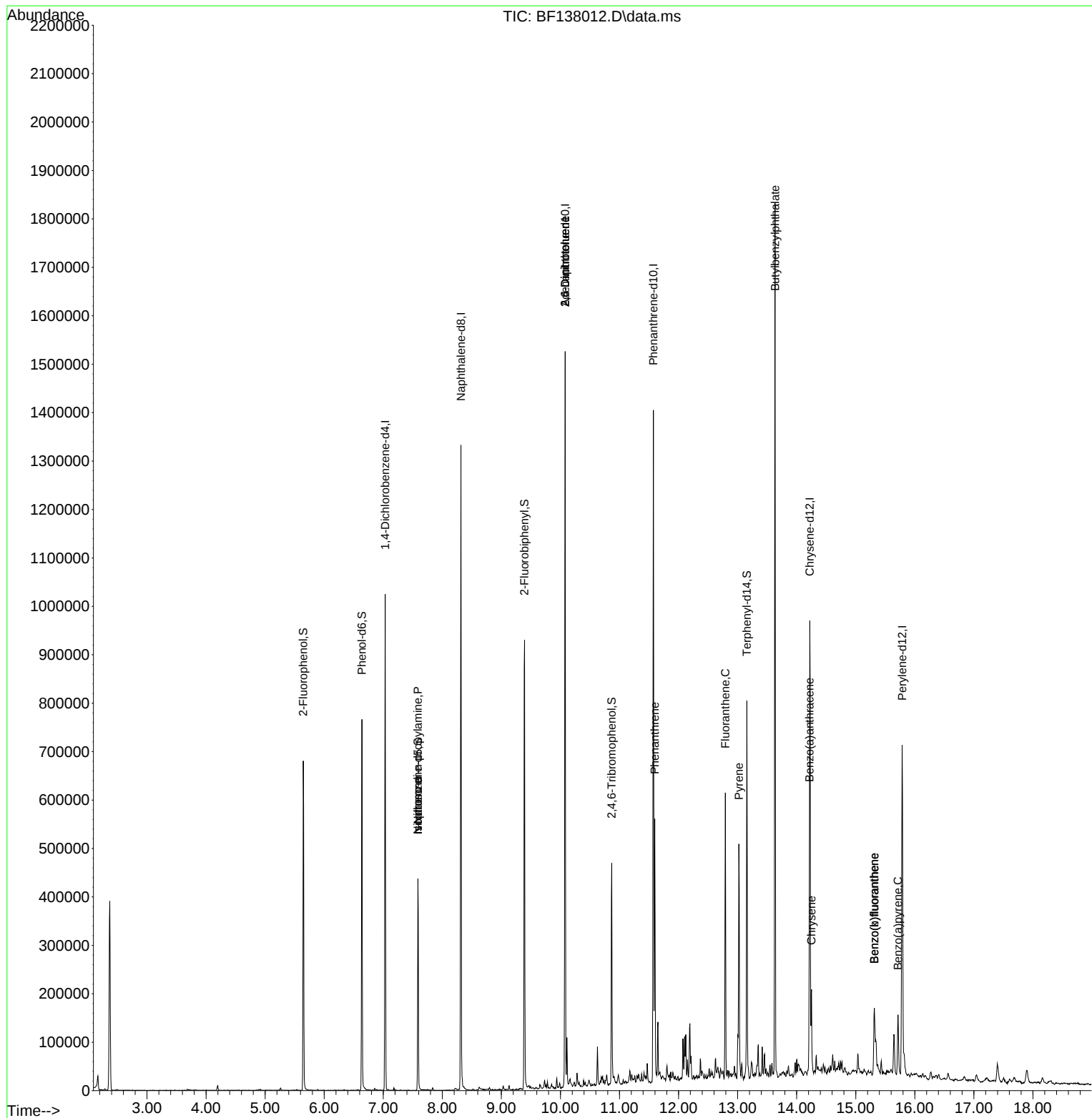
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	145440	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	553347	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	304910	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	489309	20.000	ng	0.00
76) Chrysene-d12	14.221	240	283443	20.000	ng	0.00
86) Perylene-d12	15.786	264	332241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.645	112	195957	22.887	ng	-0.02
7) Phenol-d6	6.639	99	241568	22.904	ng	-0.02
23) Nitrobenzene-d5	7.586	82	136953	14.565	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	58220	18.937	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	311216	15.722	ng	0.00
79) Terphenyl-d14	13.157	244	251277	13.065	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.586	70	17584	2.967	ng	# 77
25) Isophorone	7.586	82	136952	8.392	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	41304	9.412	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	41360	7.290	ng	# 33
71) Phenanthrene	11.598	178	181783	7.539	ng	99
75) Fluoranthene	12.792	202	215786	8.817	ng	100
78) Pyrene	13.021	202	194982	7.865	ng	98
80) Butylbenzylphthalate	13.633	149	375466	50.212	ng	99
81) Benzo(a)anthracene	14.215	228	75094	4.188	ng	97
83) Chrysene	14.251	228	69747	4.067	ng	99
88) Benzo(b)fluoranthene	15.315	252	110765	5.758	ng	97
89) Benzo(k)fluoranthene	15.315	252	110765	5.861	ng	96
90) Benzo(a)pyrene	15.715	252	64443	3.923	ng	98

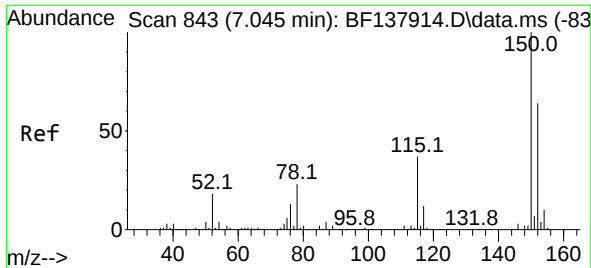
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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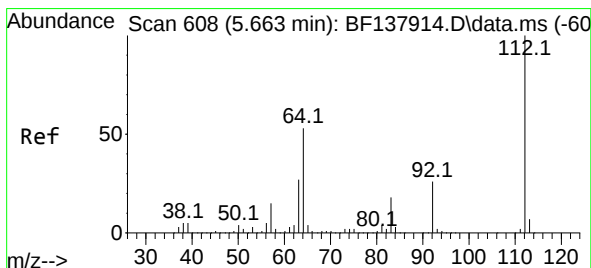
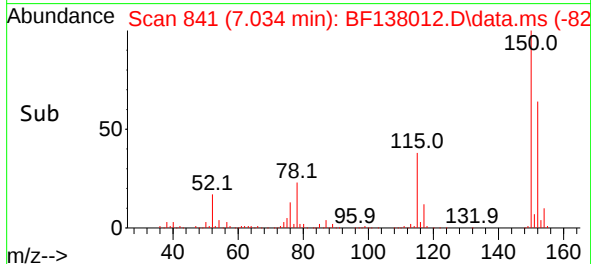
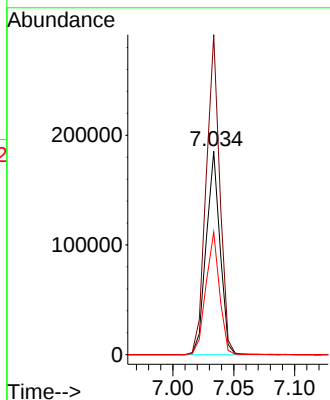
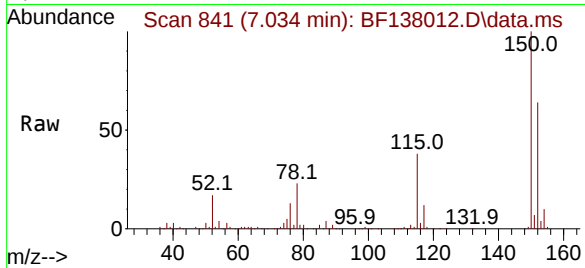




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

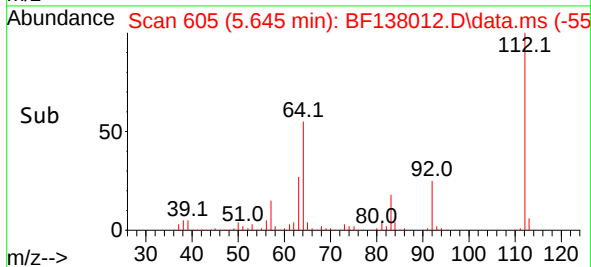
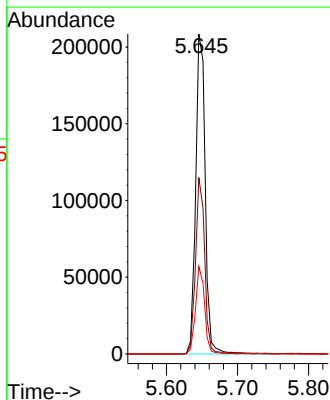
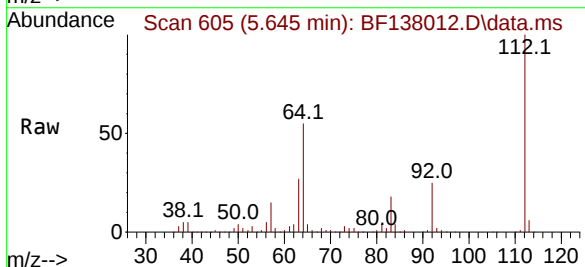
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOILD

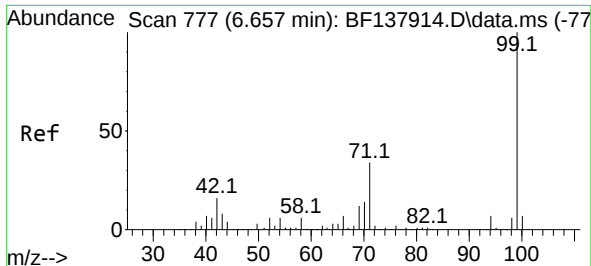
Tgt Ion:152 Resp: 145440
Ion Ratio Lower Upper
152 100
150 157.3 125.7 188.5
115 60.3 47.0 70.6



#5
2-Fluorophenol
Concen: 22.887 ng
RT: 5.645 min Scan# 605
Delta R.T. -0.018 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion:112 Resp: 195957
Ion Ratio Lower Upper
112 100
64 55.2 42.4 63.6
63 27.3 21.4 32.2

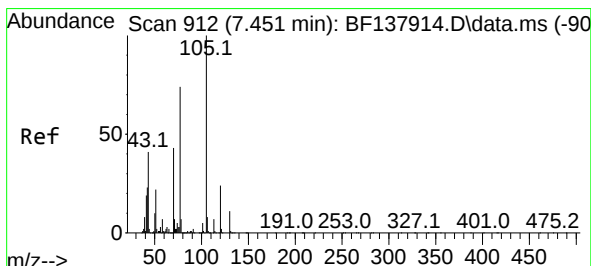
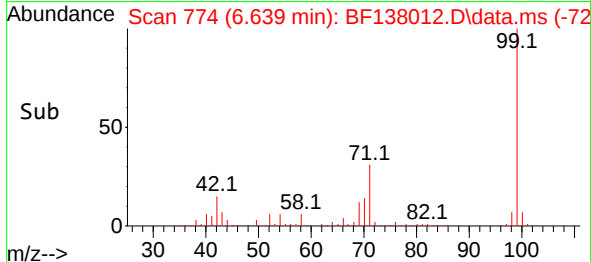
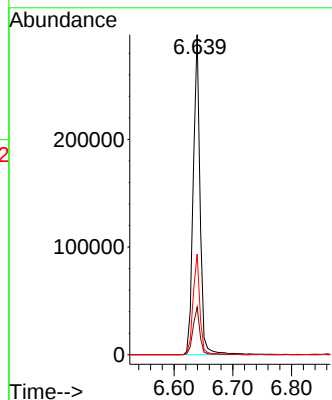
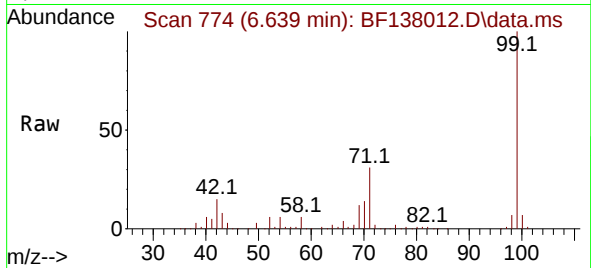




#7
Phenol-d6
Concen: 22.904 ng
RT: 6.639 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

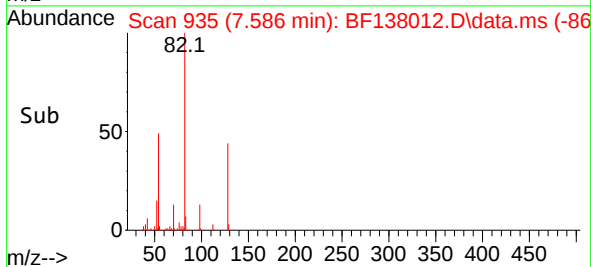
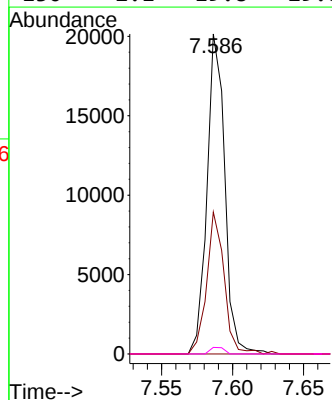
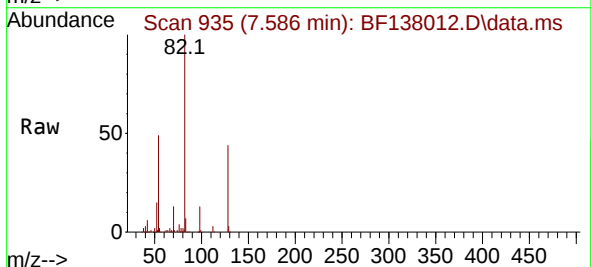
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOILD

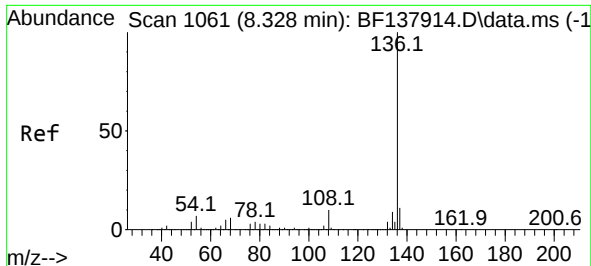
Tgt Ion: 99 Resp: 241568
Ion Ratio Lower Upper
99 100
42 14.9 12.6 18.8
71 31.5 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.967 ng
RT: 7.586 min Scan# 935
Delta R.T. 0.135 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion: 70 Resp: 17584
Ion Ratio Lower Upper
70 100
42 44.4 42.2 63.4
101 0.0 8.8 13.2#
130 2.1 19.8 29.8#



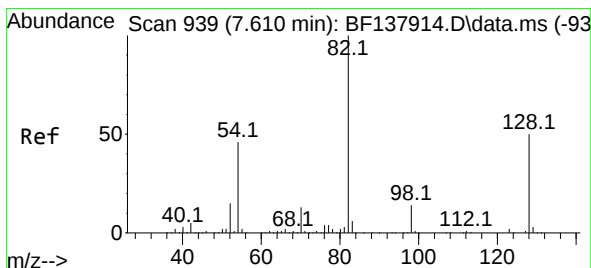
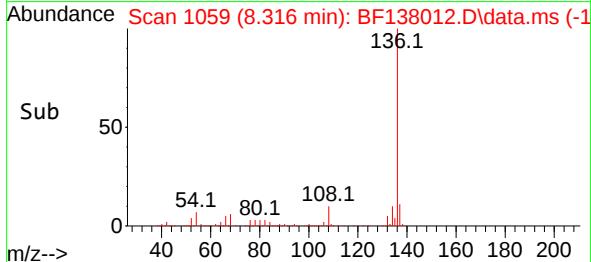
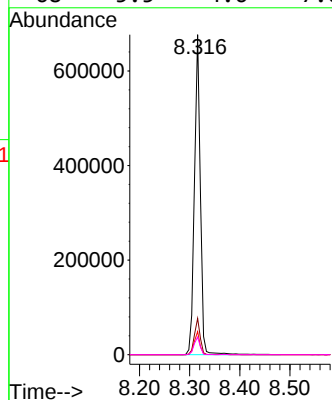
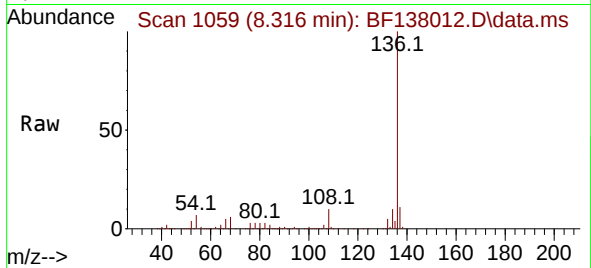


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOILD

Tgt Ion:136 Resp: 553347

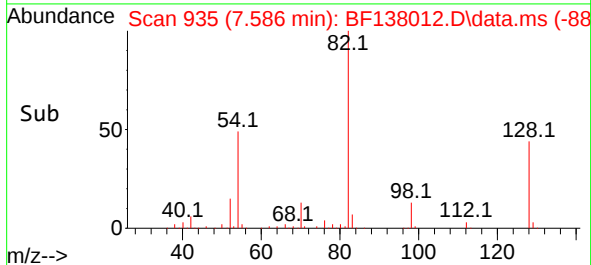
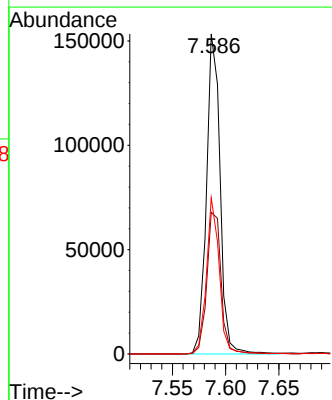
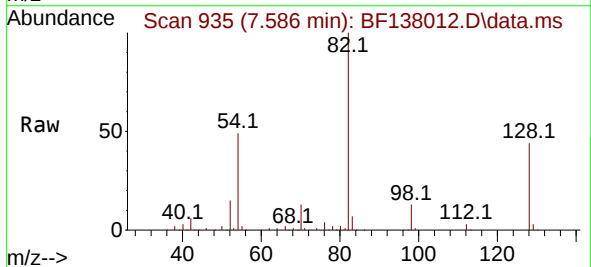
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	7.2	5.4	8.2
68	5.5	4.6	7.0

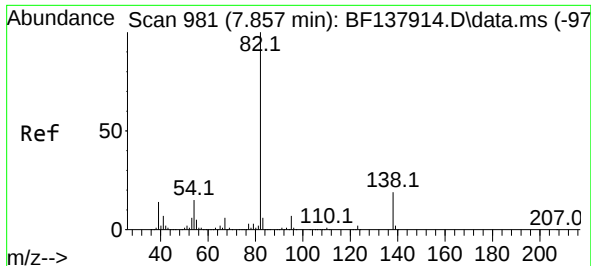


#23
Nitrobenzene-d5
Concen: 14.565 ng
RT: 7.586 min Scan# 935
Delta R.T. -0.024 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion: 82 Resp: 136953

Ion	Ratio	Lower	Upper
82	100		
128	44.3	40.3	60.5
54	48.8	36.8	55.2

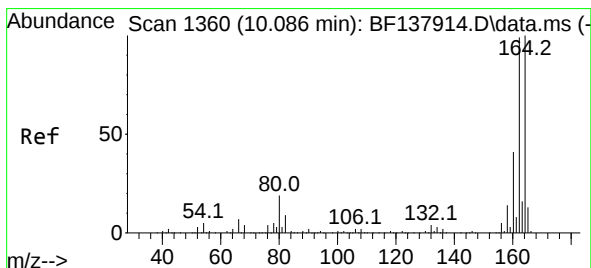
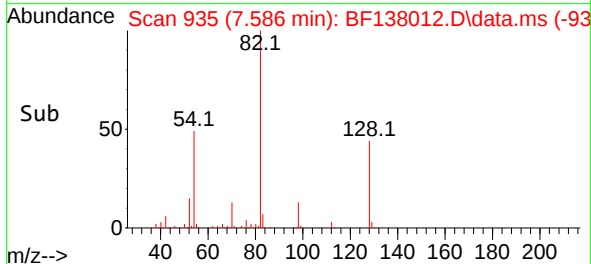
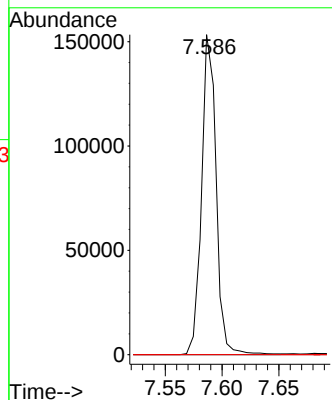
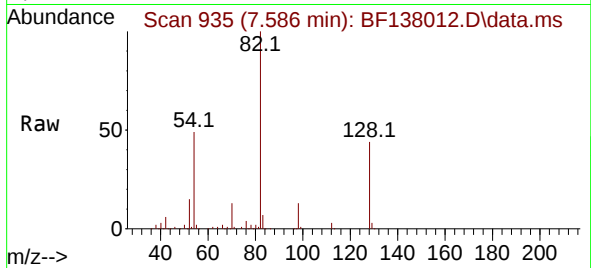




#25
Isophorone
Concen: 8.392 ng
RT: 7.586 min Scan# 91
Delta R.T. -0.271 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

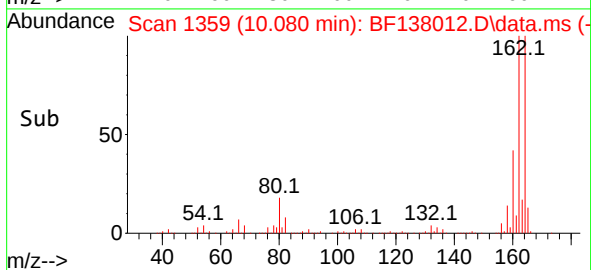
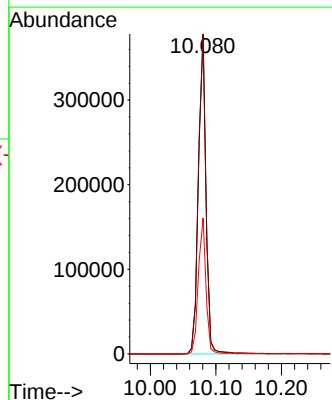
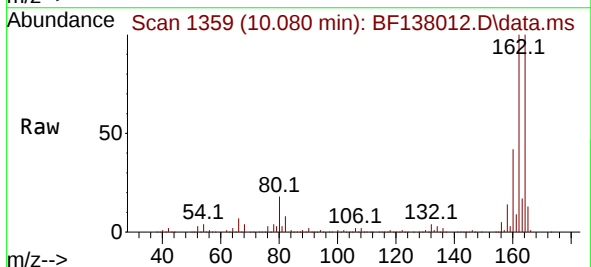
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOILD

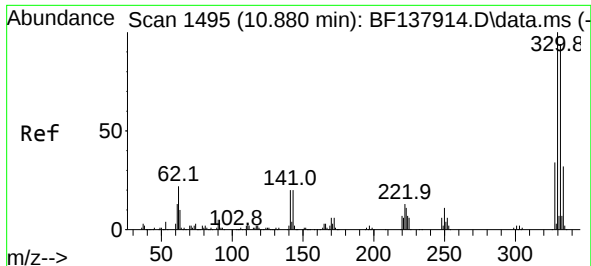
Tgt Ion: 82 Resp: 136952
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion:164 Resp: 304910
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.2
160 42.5 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 18.937 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.012 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

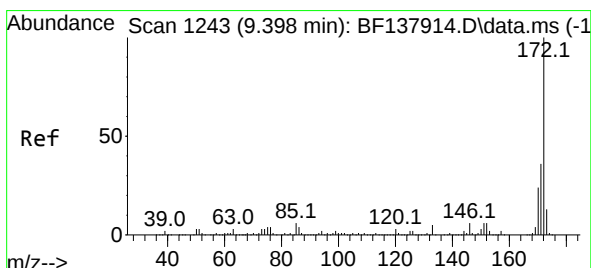
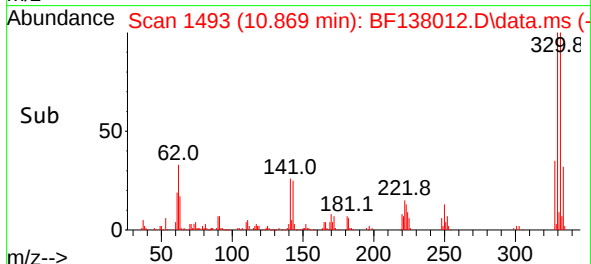
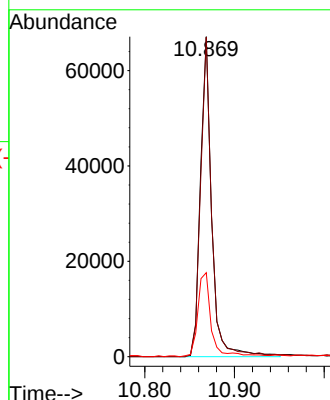
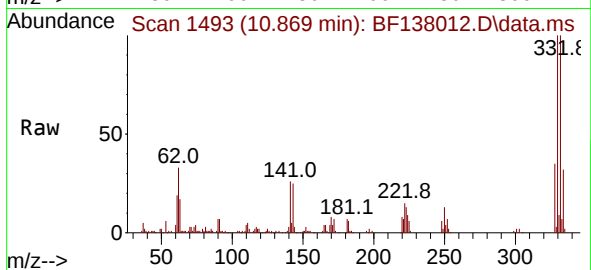
Tgt Ion:330 Resp: 58220

Ion Ratio Lower Upper

330 100

332 100.0 75.8 113.8

141 31.7 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 15.722 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

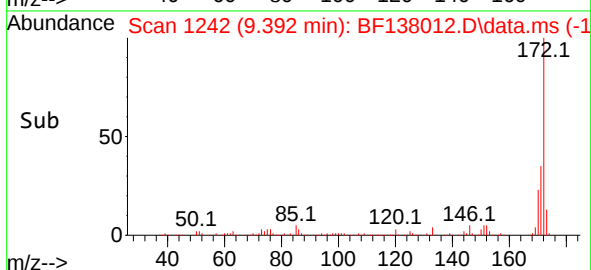
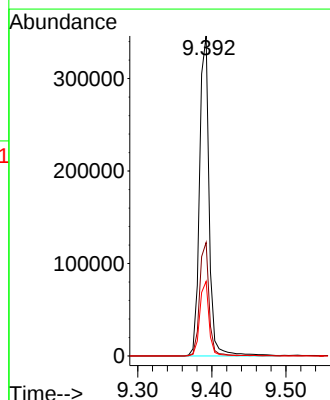
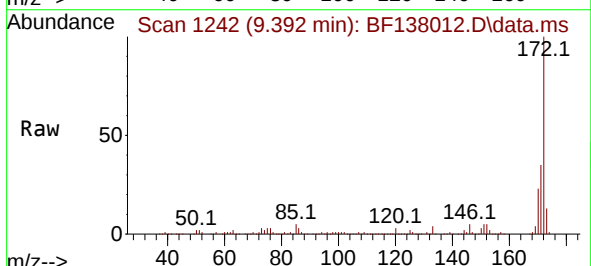
Tgt Ion:172 Resp: 311216

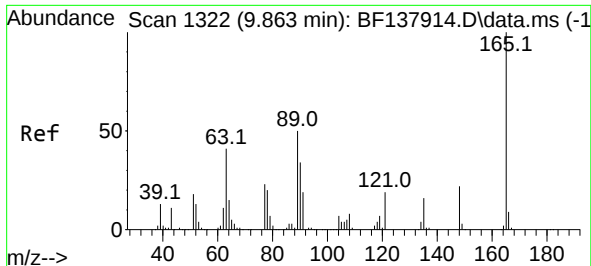
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.412 ng

RT: 10.080 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

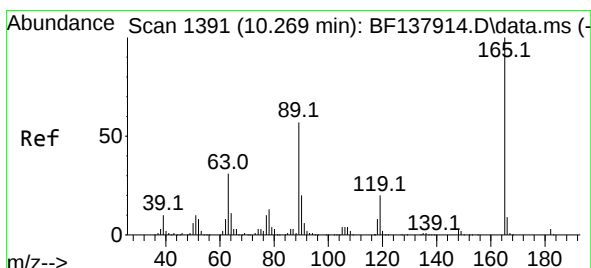
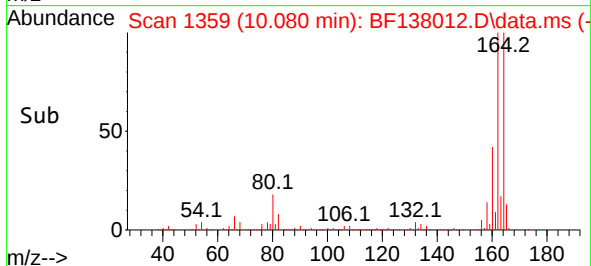
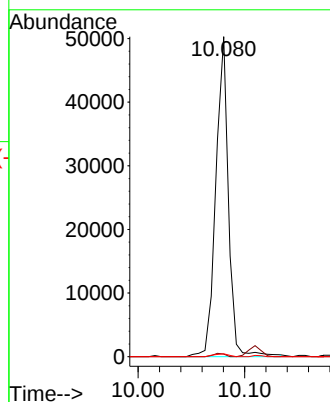
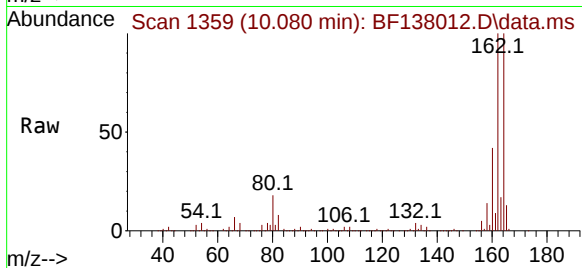
Tgt Ion:165 Resp: 41304

Ion Ratio Lower Upper

165 100

63 0.8 38.9 58.3#

89 0.9 40.4 60.6#



#57

2,4-Dinitrotoluene

Concen: 7.290 ng

RT: 10.080 min Scan# 1359

Delta R.T. -0.188 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Tgt Ion:165 Resp: 41360

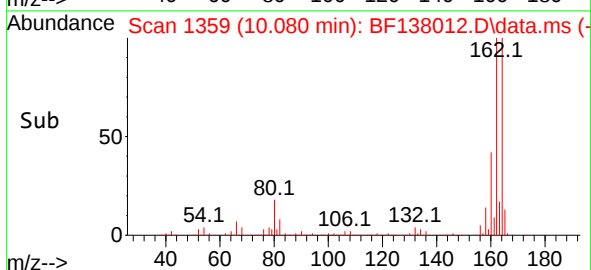
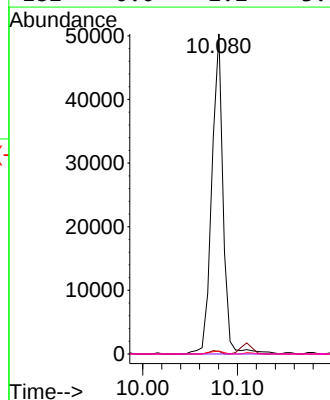
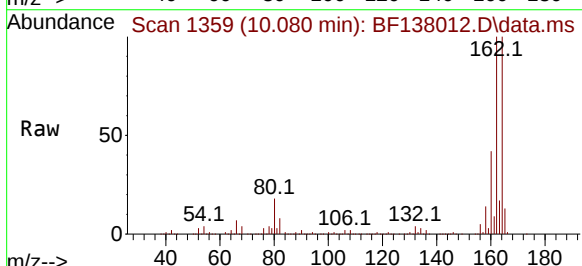
Ion Ratio Lower Upper

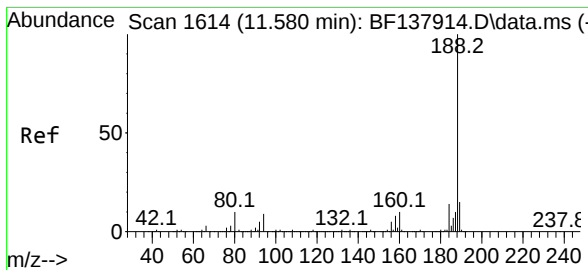
165 100

63 0.8 25.3 37.9#

89 0.9 45.9 68.9#

182 0.0 2.2 3.4#

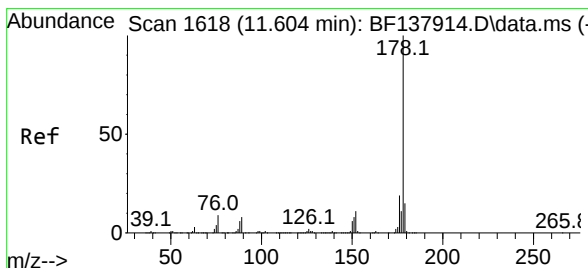
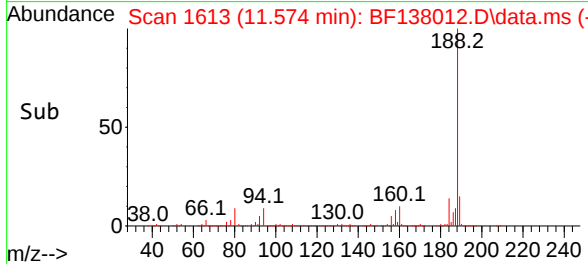
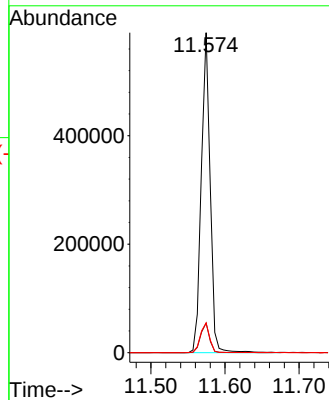
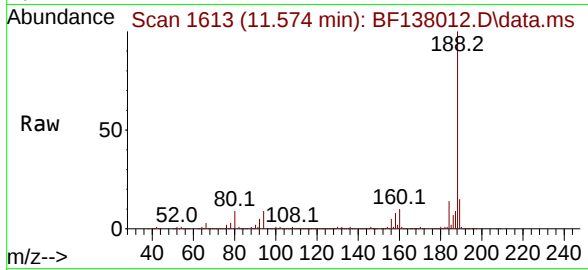




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

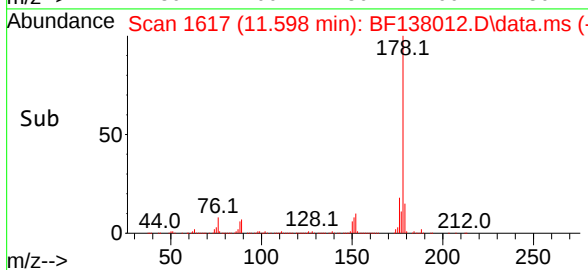
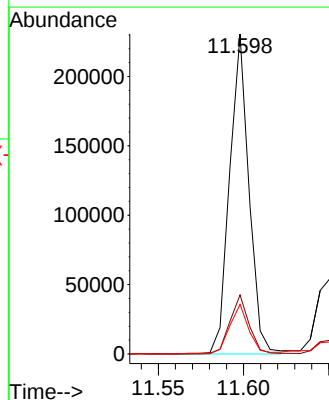
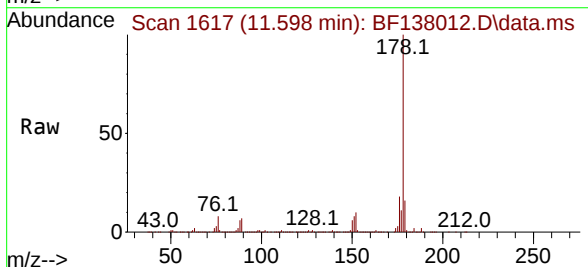
Instrument :
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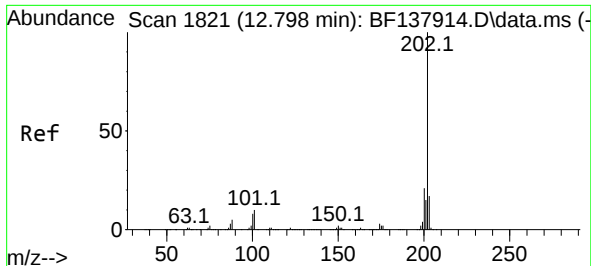
Tgt Ion:188 Resp: 489309
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.3 7.7 11.5



#71
Phenanthrene
Concen: 7.539 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion:178 Resp: 181783
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.5 12.2 18.4

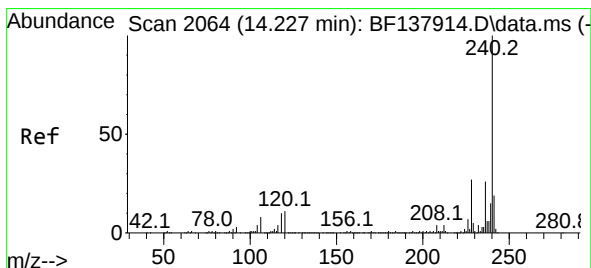
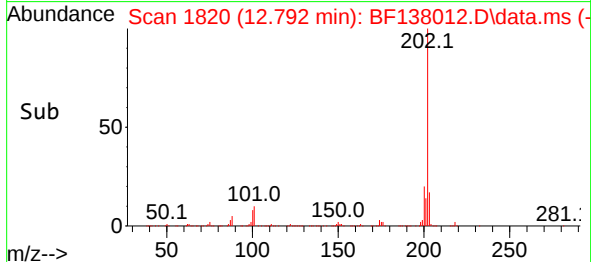
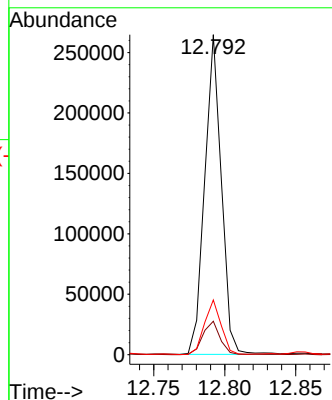
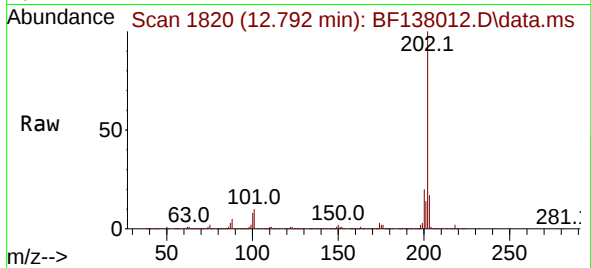




#75
Fluoranthene
Concen: 8.817 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

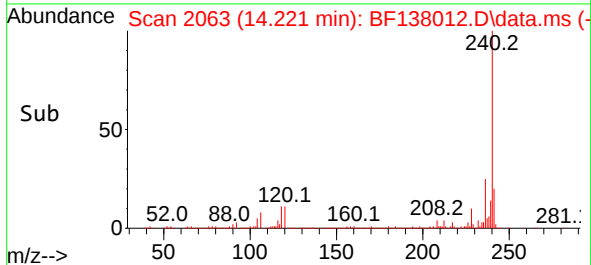
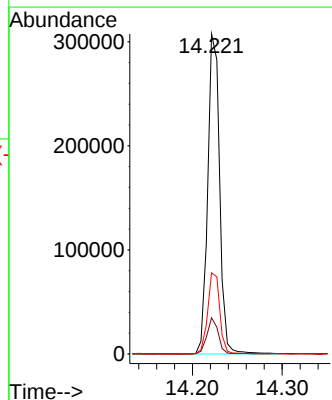
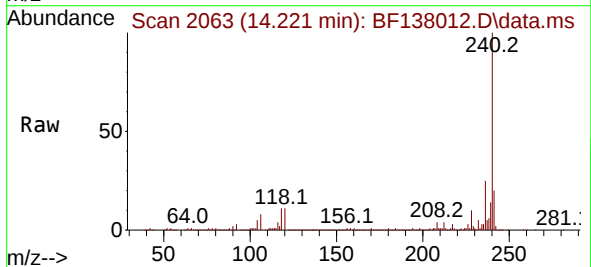
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOILD

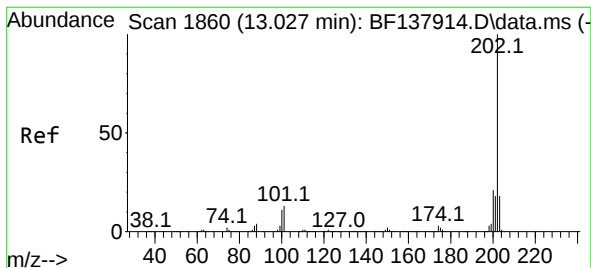
Tgt Ion:202 Resp: 215786
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.5
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF138012.D
Acq: 22 May 2024 18:53

Tgt Ion:240 Resp: 283443
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.4 21.0 31.4





#78

Pyrene

Concen: 7.865 ng

RT: 13.021 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

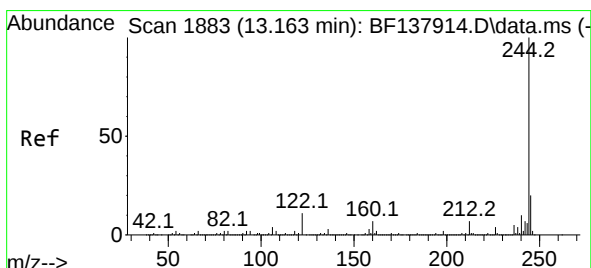
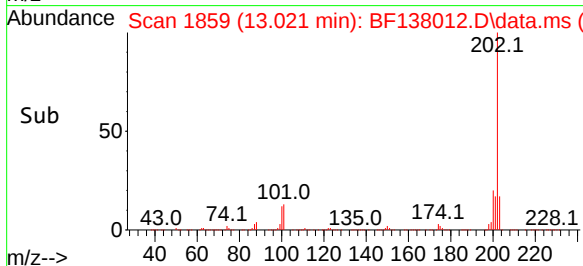
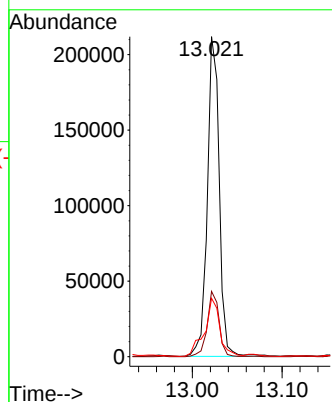
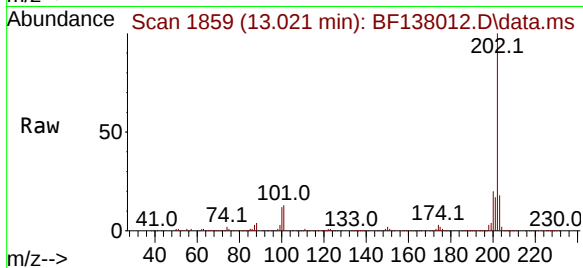
Tgt Ion:202 Resp: 194982

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 13.065 ng

RT: 13.157 min Scan# 1882

Delta R.T. -0.006 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

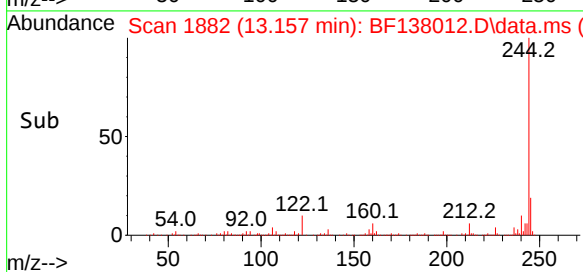
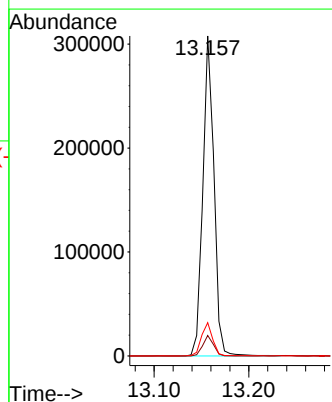
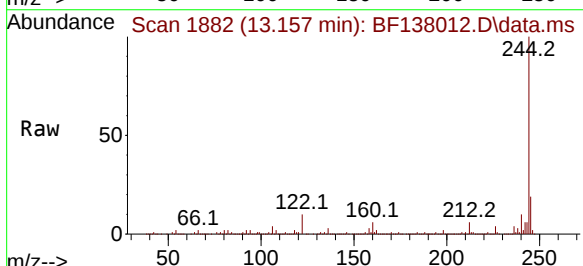
Tgt Ion:244 Resp: 251277

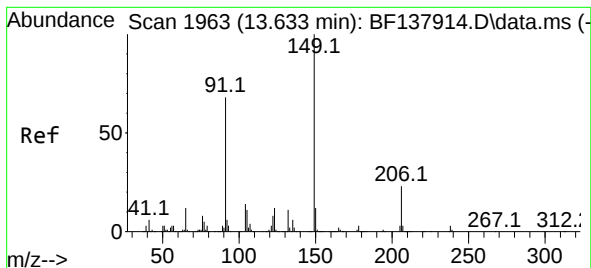
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.4 8.8 13.2





#80

Butylbenzylphthalate

Concen: 50.212 ng

RT: 13.633 min Scan# 1963

Delta R.T. -0.000 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

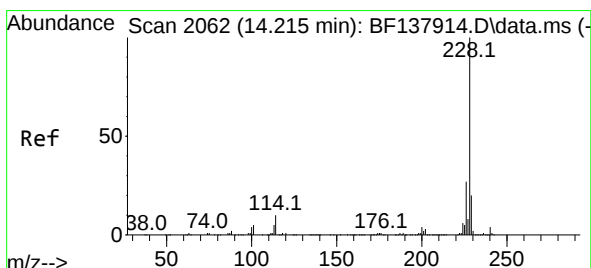
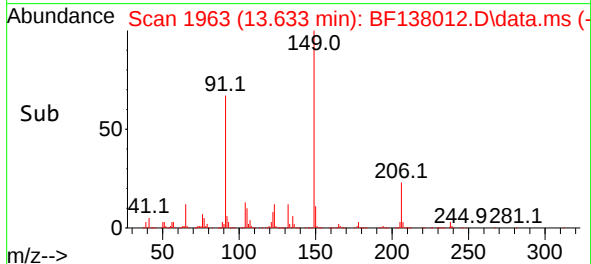
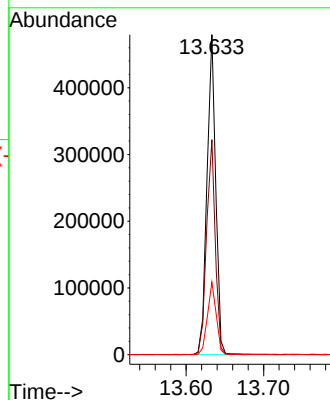
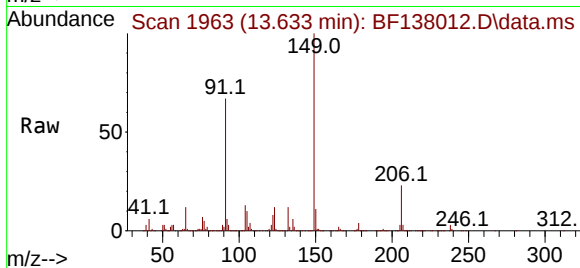
Tgt Ion:149 Resp: 375466

Ion Ratio Lower Upper

149 100

91 67.2 54.2 81.4

206 22.7 18.1 27.1



#81

Benzo(a)anthracene

Concen: 4.188 ng

RT: 14.215 min Scan# 2062

Delta R.T. -0.000 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

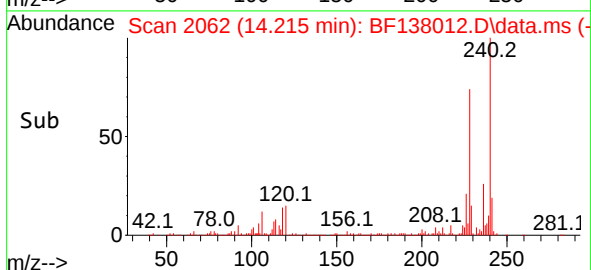
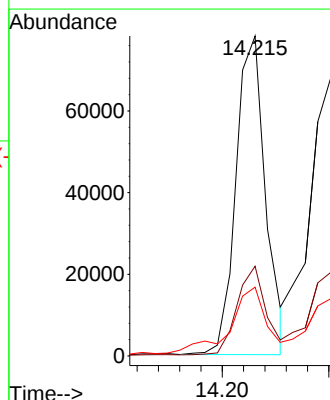
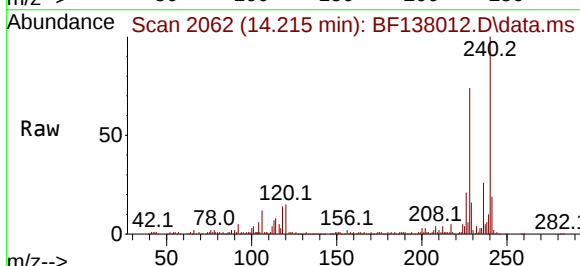
Tgt Ion:228 Resp: 75094

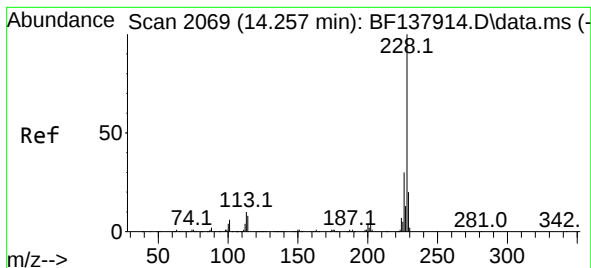
Ion Ratio Lower Upper

228 100

226 28.1 21.3 31.9

229 21.5 15.7 23.5





#83

Chrysene

Concen: 4.067 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

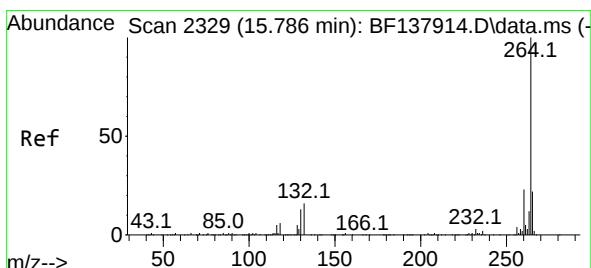
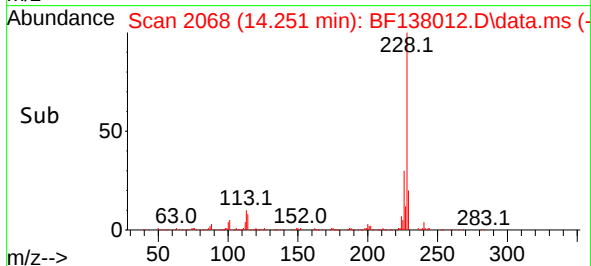
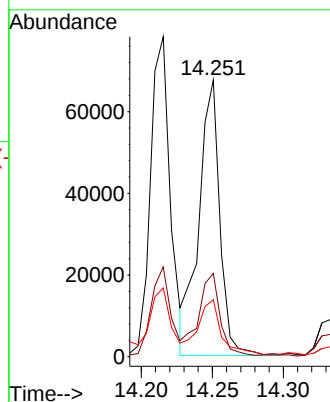
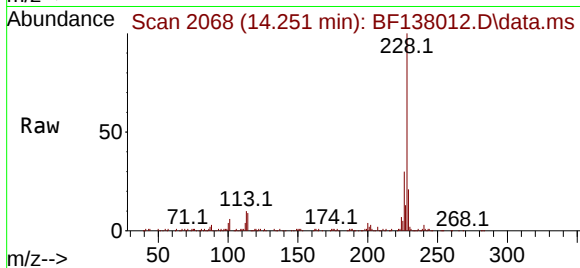
Tgt Ion:228 Resp: 69747

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 20.6 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 2329

Delta R.T. -0.000 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

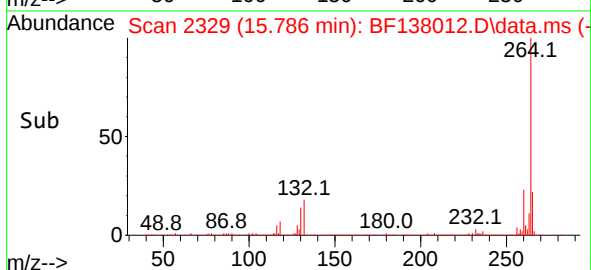
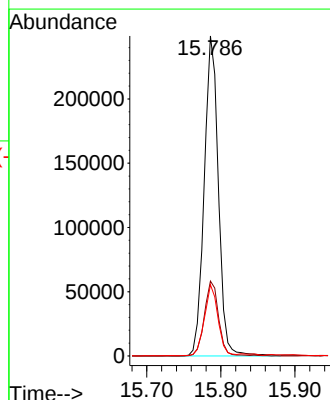
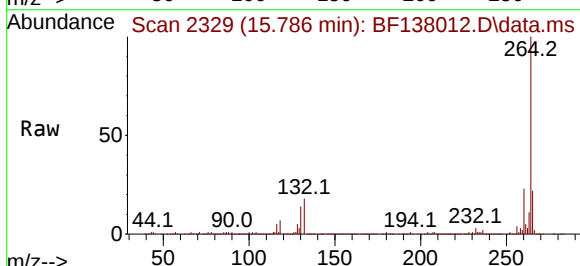
Tgt Ion:264 Resp: 332241

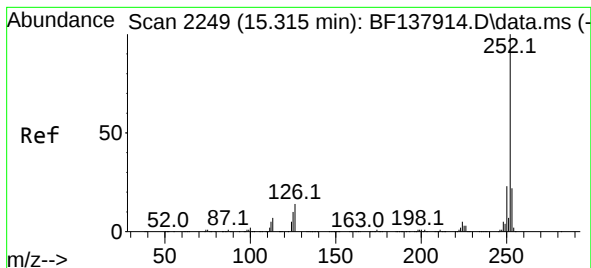
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.2 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 5.758 ng

RT: 15.315 min Scan# 2249

Delta R.T. -0.000 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD

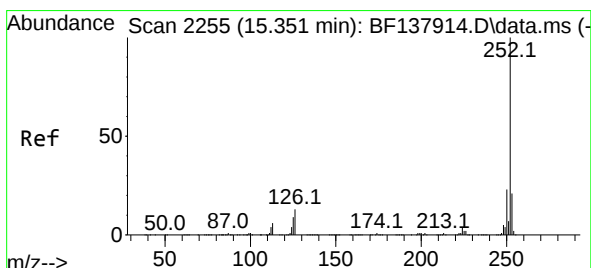
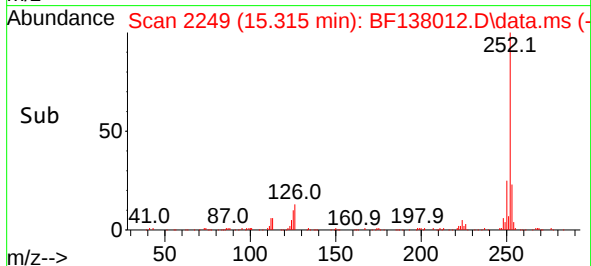
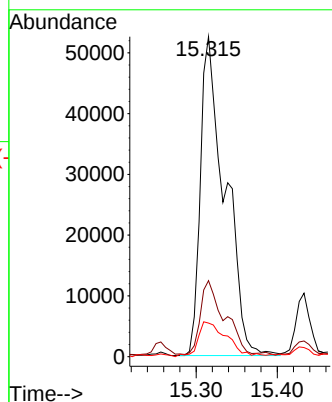
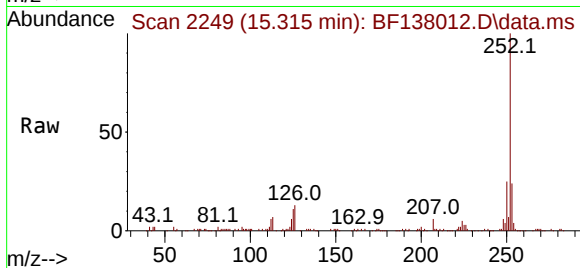
Tgt Ion:252 Resp: 110765

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 10.5 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 5.861 ng

RT: 15.315 min Scan# 2249

Delta R.T. -0.035 min

Lab File: BF138012.D

Acq: 22 May 2024 18:53

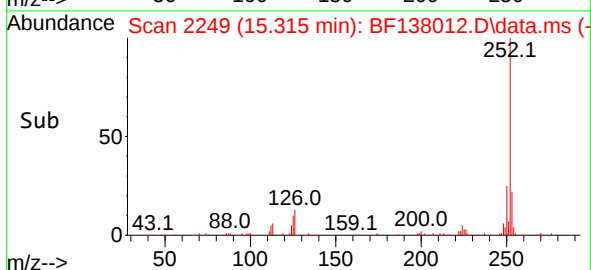
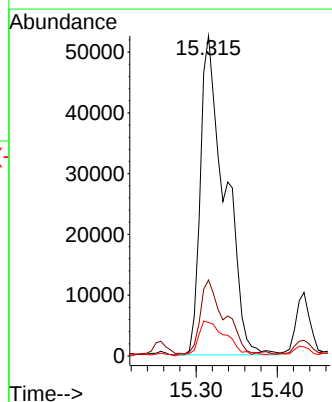
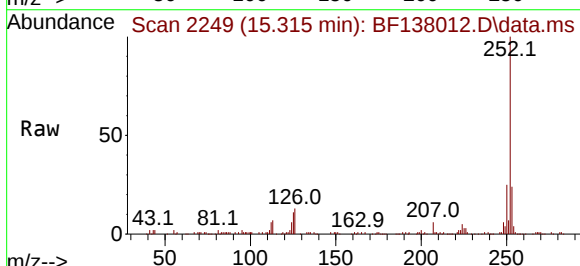
Tgt Ion:252 Resp: 110765

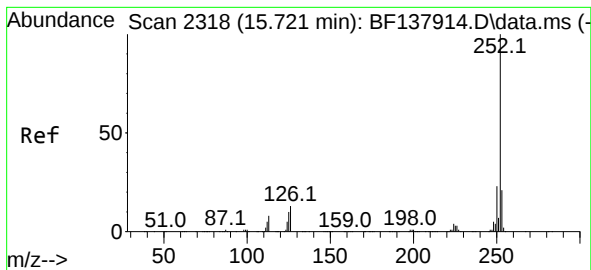
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 10.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 3.923 ng

RT: 15.715 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138012.D

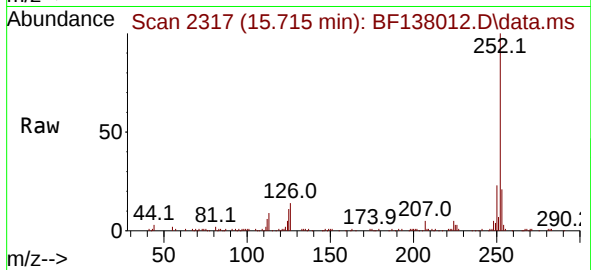
Acq: 22 May 2024 18:53

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOILD



Tgt Ion:252 Resp: 64443

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.6

125 10.9 7.8 11.8

