

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102023\
 Data File : BF135909.D
 Acq On : 20 Oct 2023 15:35
 Operator : CG\JU
 Sample : 04937-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-FENCE-POST

Quant Time: Oct 20 16:00:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

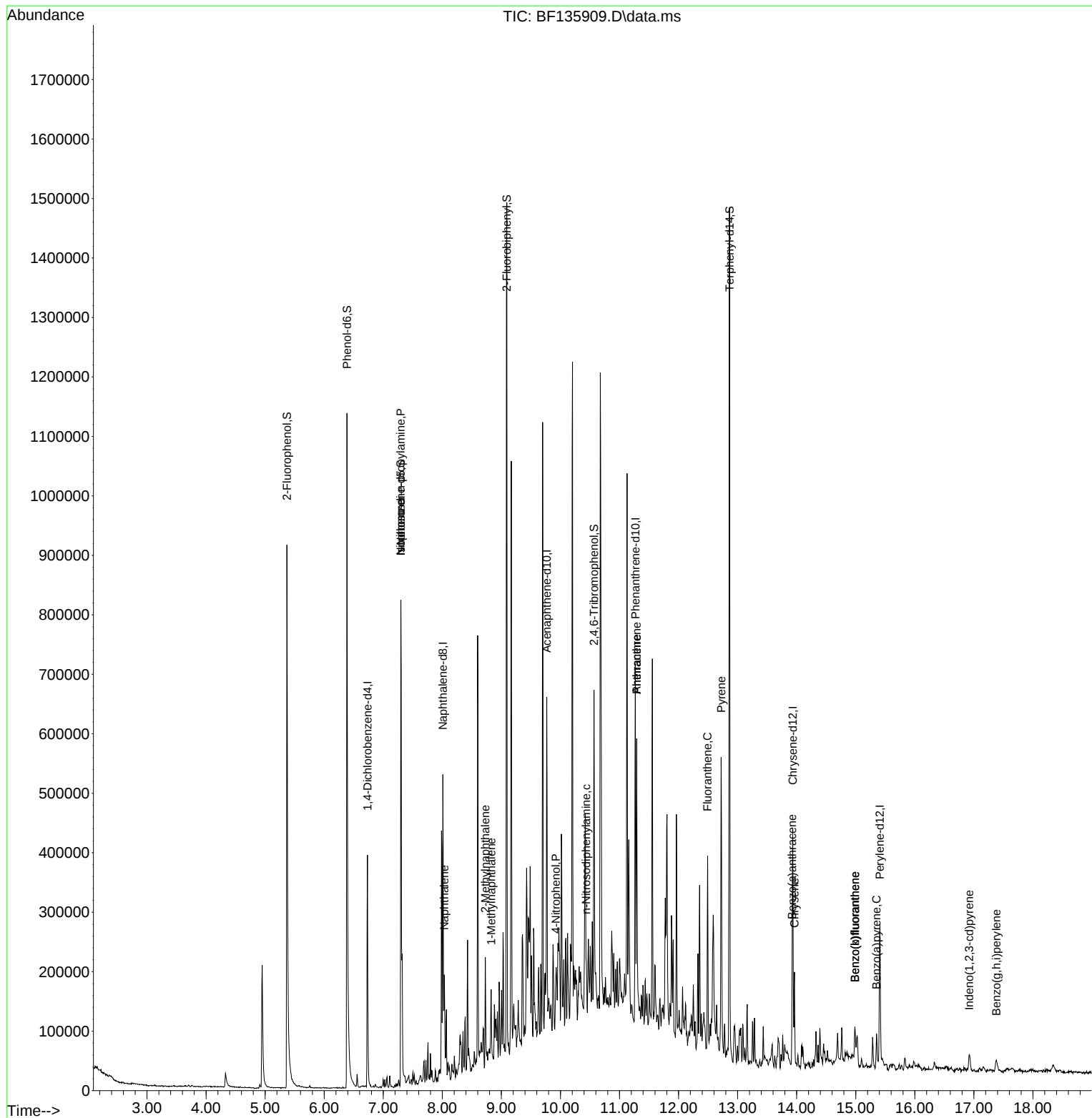
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	58519	20.000	ng	-0.01
21) Naphthalene-d8	8.010	136	204639	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	103184	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	203537	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	119548	20.000	ng	-0.02
86) Perylene-d12	15.410	264	116779	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	302466	83.100	ng	0.00
7) Phenol-d6	6.387	99	400136	88.107	ng	-0.01
23) Nitrobenzene-d5	7.298	82	259816	69.829	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	63045	63.673	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	448669	67.985	ng	-0.01
79) Terphenyl-d14	12.863	244	482795	74.790	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.298	70	36399	12.962	ng	# 78
25) Isophorone	7.298	82	259738	37.002	ng	# 66
31) Naphthalene	8.034	128	65932	6.605	ng	100
37) 2-Methylnaphthalene	8.728	142	42674	6.489	ng	100
38) 1-Methylnaphthalene	8.828	142	31433	5.182	ng	98
56) 4-Nitrophenol	9.922	139	340	5.869	ng	# 32
66) n-Nitrosodiphenylamine	10.433	169	13093	2.110	ng	# 38
71) Phenanthrene	11.292	178	166889	17.116	ng	99
72) Anthracene	11.292	178	166889	16.518	ng	99
75) Fluoranthene	12.492	202	106989	9.887	ng	97
78) Pyrene	12.721	202	184274	19.397	ng	99
81) Benzo(a)anthracene	13.921	228	46203	5.884	ng	99
83) Chrysene	13.963	228	58283	7.663	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	16120	2.533	ng	97
88) Benzo(b)fluoranthene	14.986	252	41699	6.380	ng	# 95
89) Benzo(k)fluoranthene	14.986	252	41699	6.572	ng	# 93
90) Benzo(a)pyrene	15.351	252	26661	4.338	ng	96
92) Benzo(g,h,i)perylene	17.380	276	18330	3.421	ng	97

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

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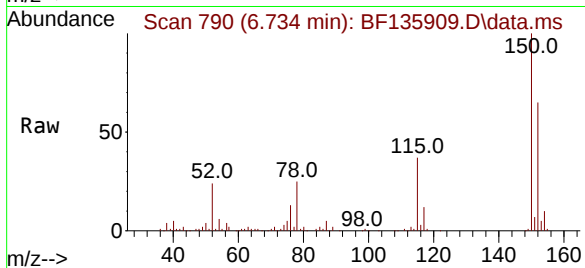
Quant Time: Oct 20 16:00:37 2023
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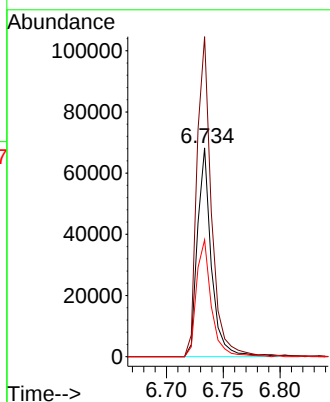
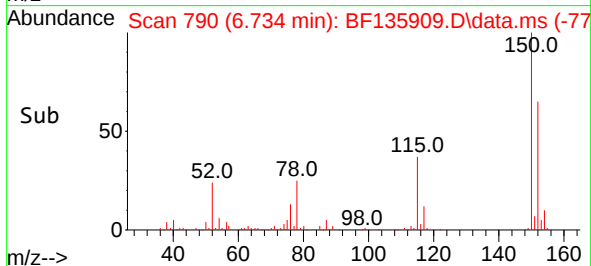


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35

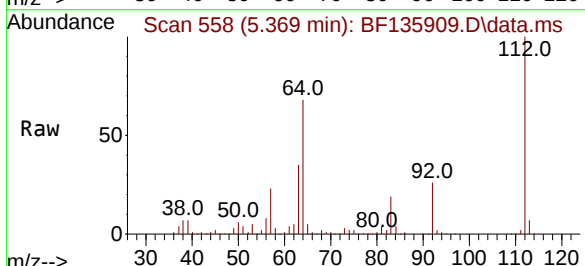
Instrument :
 BNA_F
 ClientSampleId :
 CON-FENCE-POST



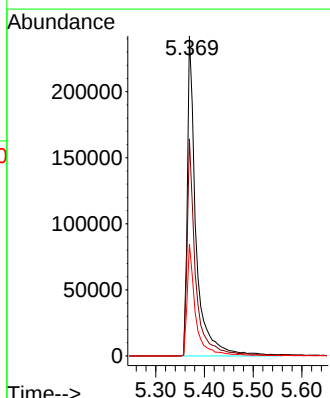
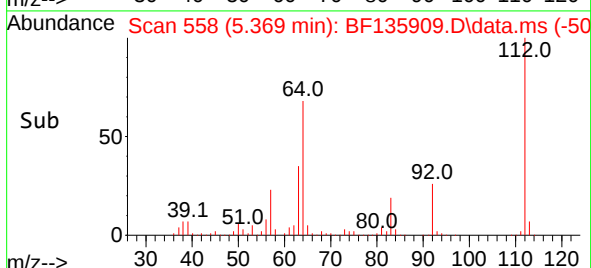
Tgt Ion:152 Resp: 58519
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.5 186.7
 115 56.0 49.0 73.4



#5
 2-Fluorophenol
 Concen: 83.100 ng
 RT: 5.369 min Scan# 558
 Delta R.T. -0.006 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35



Tgt Ion:112 Resp: 302466
 Ion Ratio Lower Upper
 112 100
 64 67.8 51.2 76.8
 63 35.0 26.1 39.1

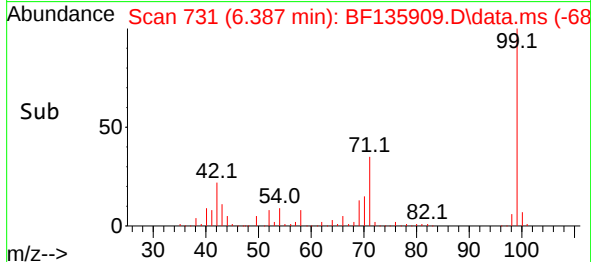
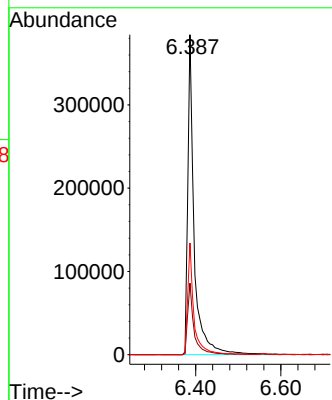
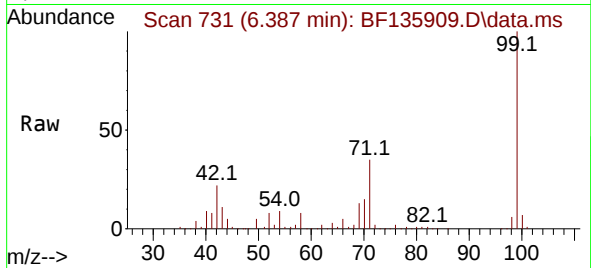




#7
Phenol-d6
Concen: 88.107 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

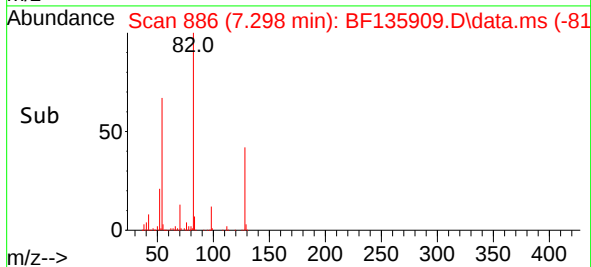
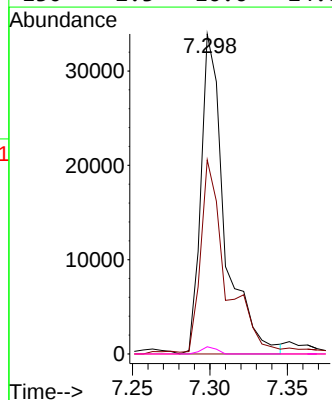
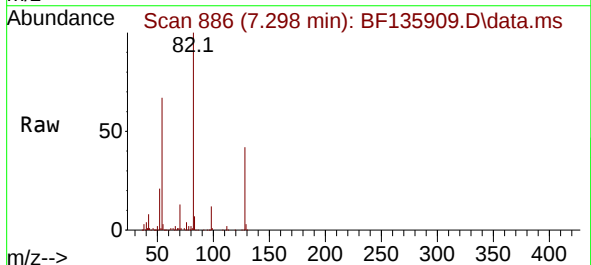
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BNA_F
ClientSampleId :
CON-FENCE-POST

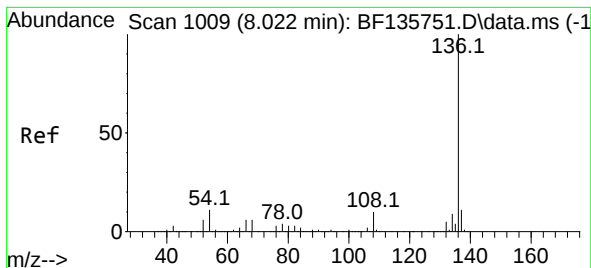
Tgt Ion: 99 Resp: 400136
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 34.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.962 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.135 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion: 70 Resp: 36399
Ion Ratio Lower Upper
70 100
42 60.6 59.8 89.6
101 0.0 7.4 11.2#
130 2.3 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST

Tgt Ion:136 Resp: 204639

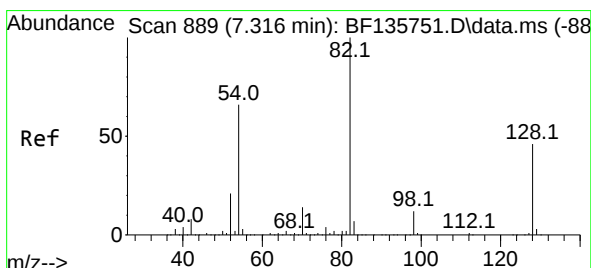
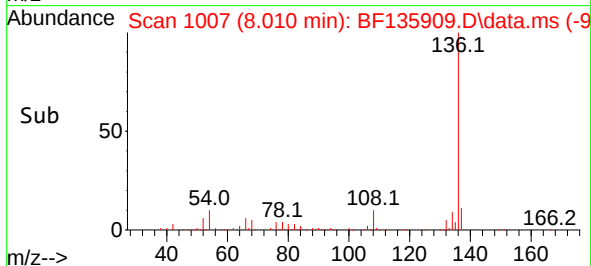
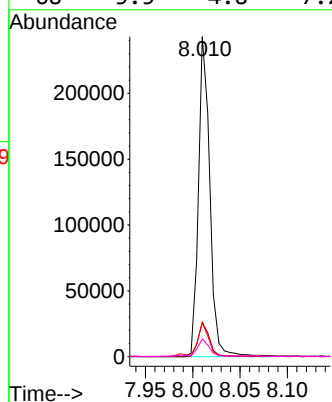
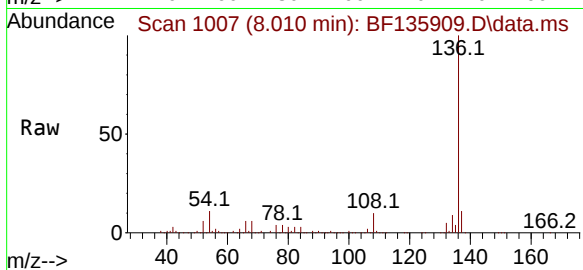
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.6 8.5 12.7

68 5.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 69.829 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.018 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

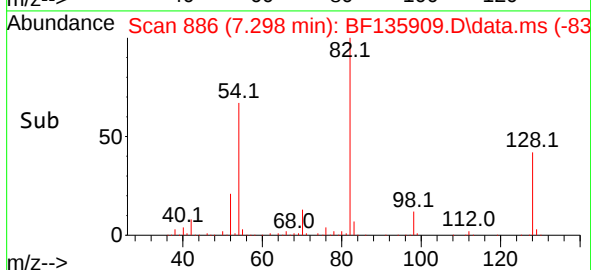
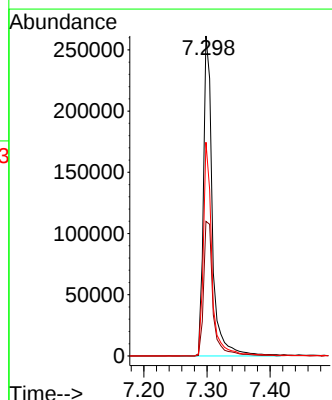
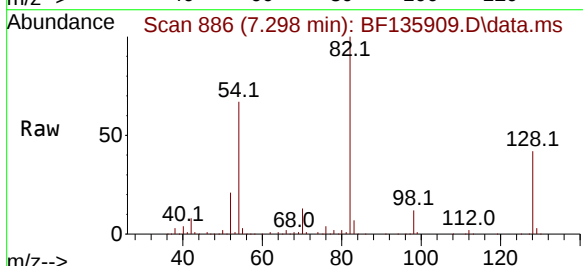
Tgt Ion: 82 Resp: 259816

Ion Ratio Lower Upper

82 100

128 42.0 37.0 55.6

54 66.8 52.8 79.2

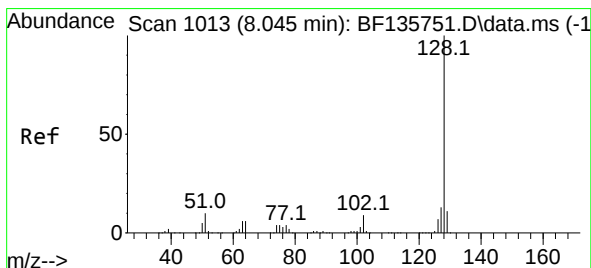
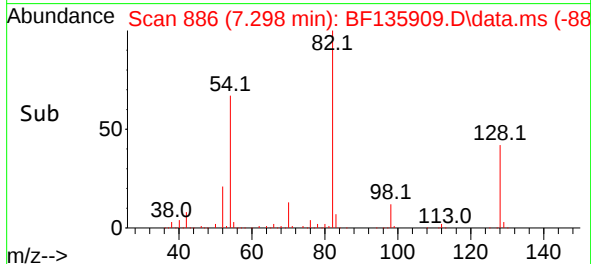
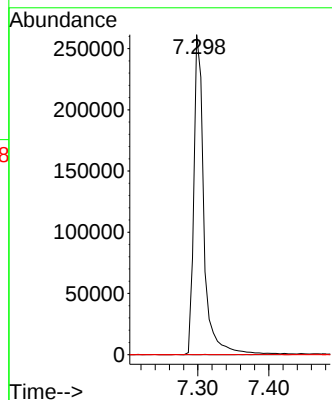
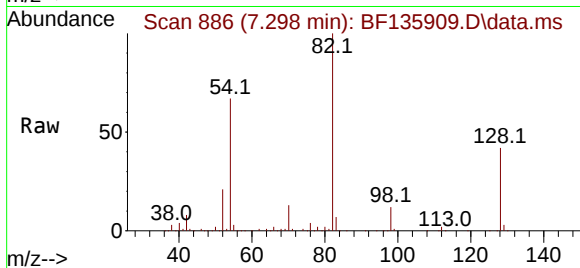




#25
Isophorone
Concen: 37.002 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

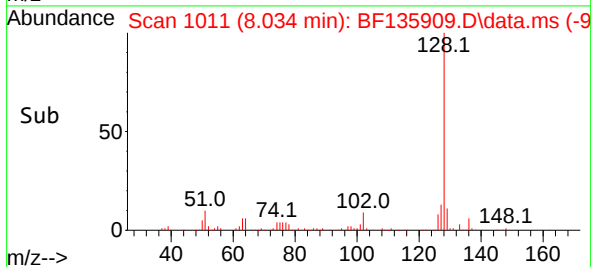
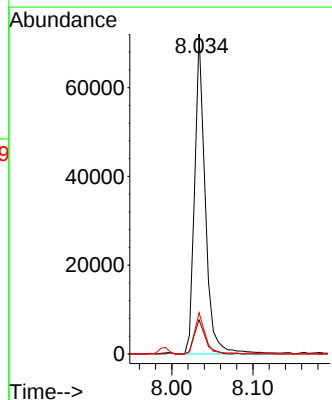
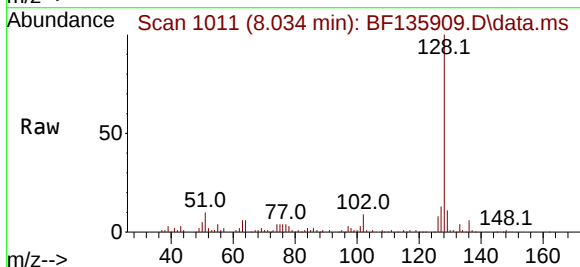
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

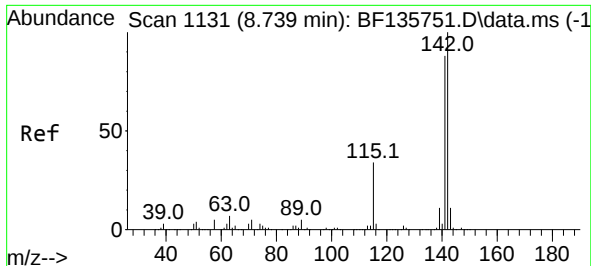
Tgt Ion: 82 Resp: 259738
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 6.605 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion: 128 Resp: 65932
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.9 10.2 15.4





#37

2-Methylnaphthalene

Concen: 6.489 ng

RT: 8.728 min Scan# 1129

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

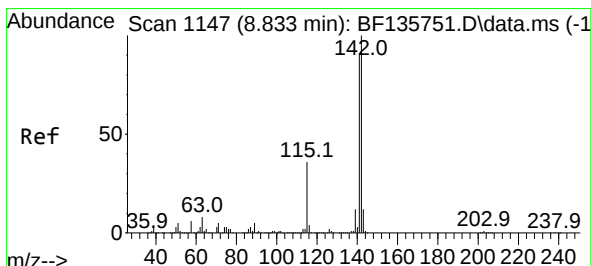
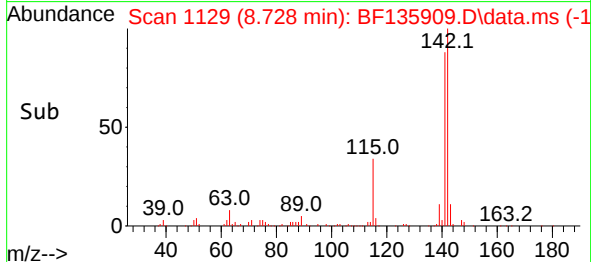
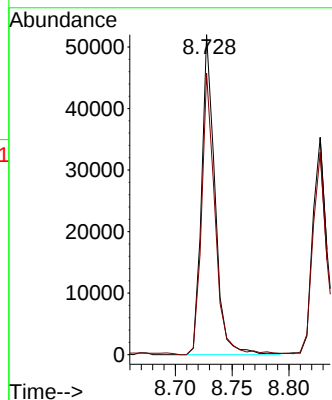
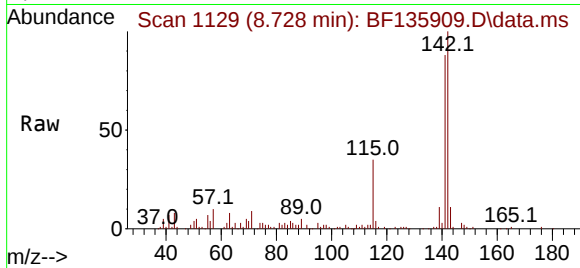
CON-FENCE-POST

Tgt Ion:142 Resp: 42674

Ion Ratio Lower Upper

142 100

141 88.0 70.6 105.8



#38

1-Methylnaphthalene

Concen: 5.182 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135909.D

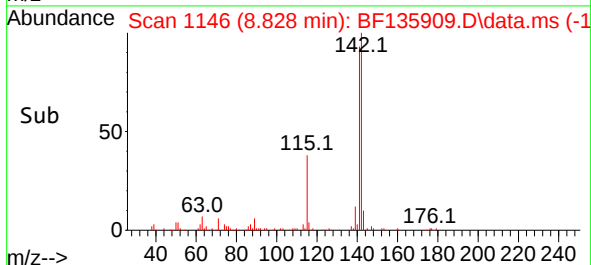
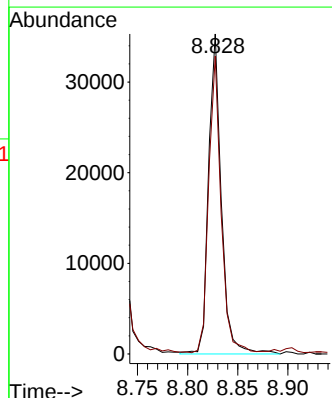
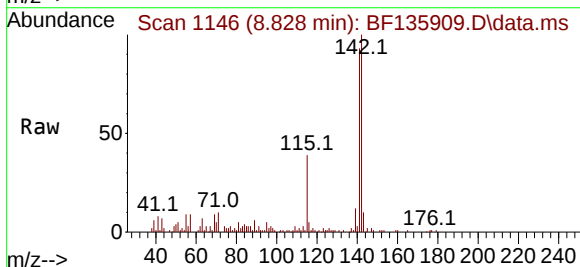
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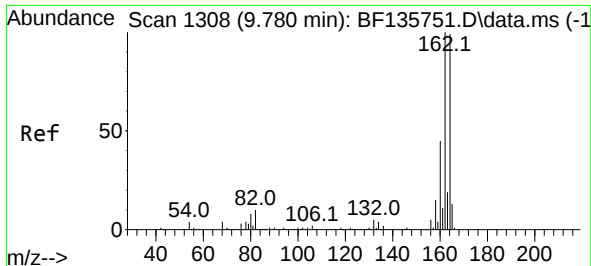
Tgt Ion:142 Resp: 31433

Ion Ratio Lower Upper

142 100

141 93.1 72.7 109.1

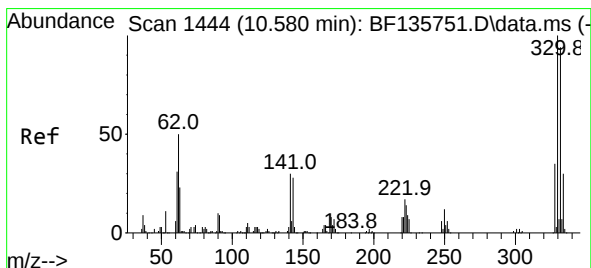
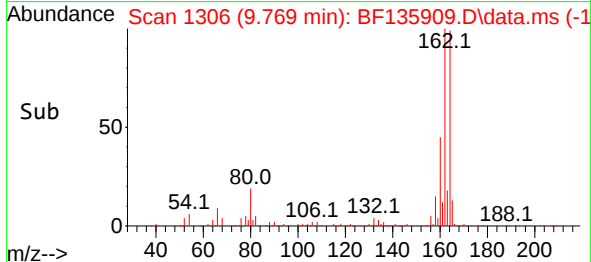
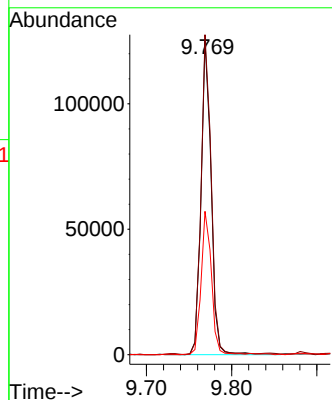
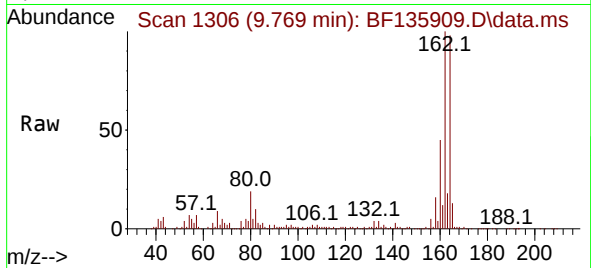




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

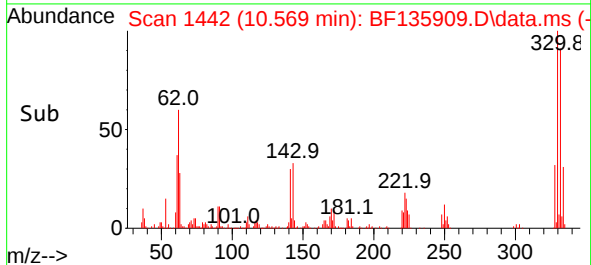
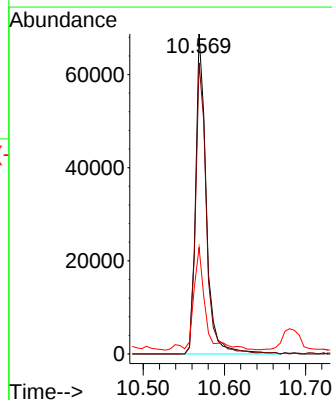
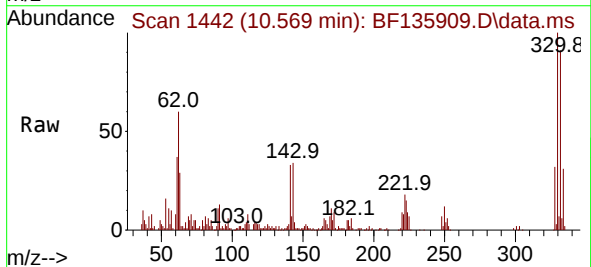
Instrument :
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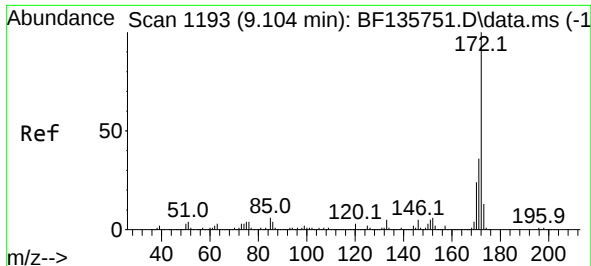
Tgt Ion:164 Resp: 103184
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 45.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 63.673 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:330 Resp: 63045
Ion Ratio Lower Upper
330 100
332 92.8 75.0 112.4
141 35.5 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 67.985 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST

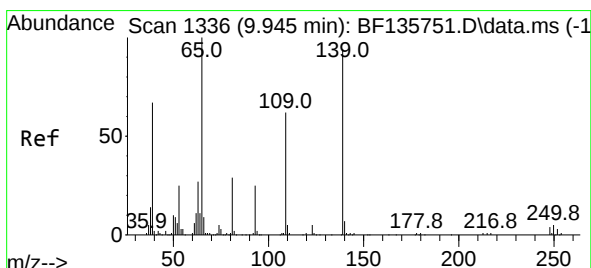
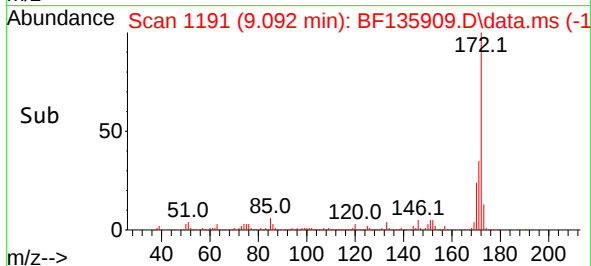
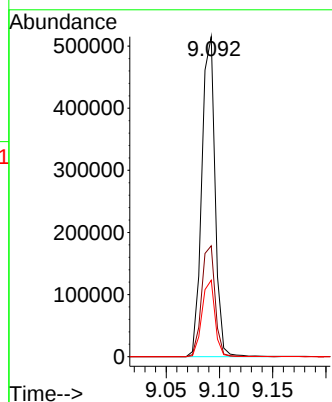
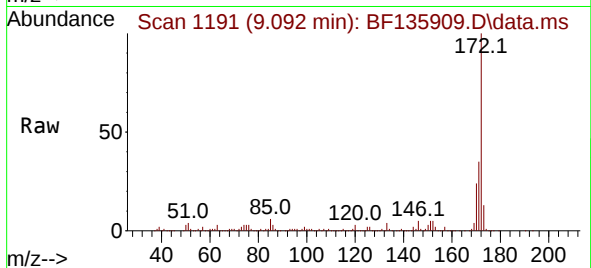
Tgt Ion:172 Resp: 448669

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.9 18.8 28.2



#56

4-Nitrophenol

Concen: 5.869 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.024 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

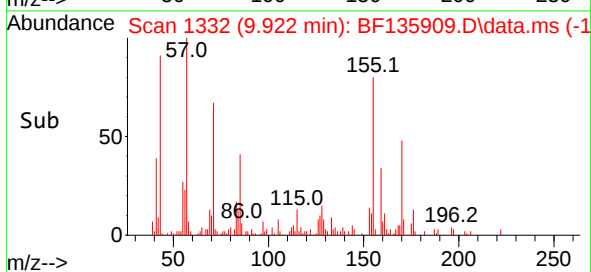
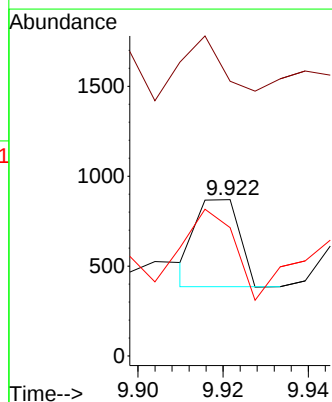
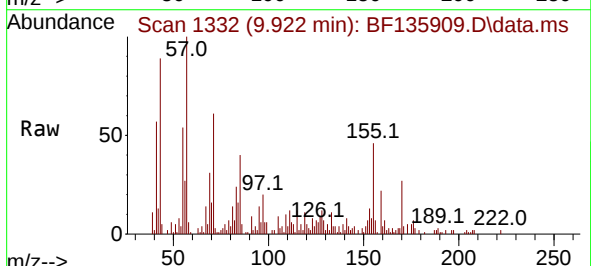
Tgt Ion:139 Resp: 340

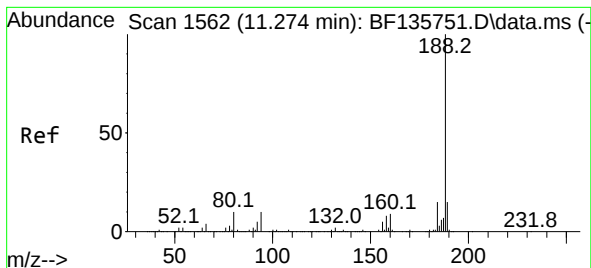
Ion Ratio Lower Upper

139 100

109 175.6 45.6 85.6#

65 82.1 87.5 127.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST

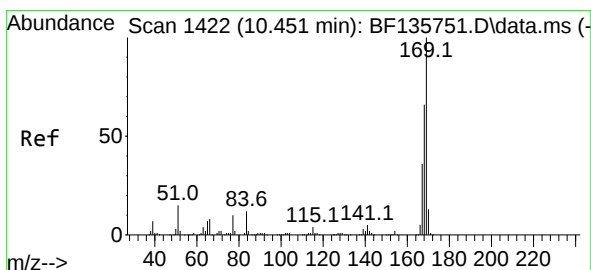
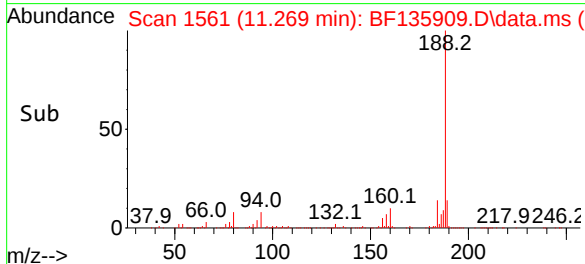
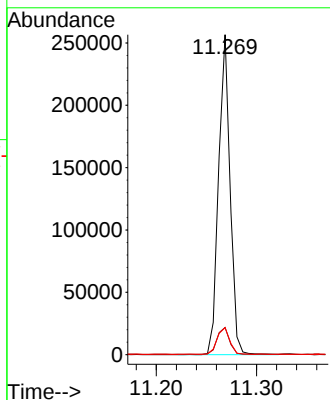
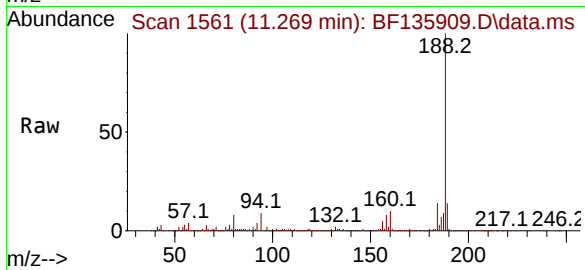
Tgt Ion:188 Resp: 203537

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

80 8.5 8.3 12.5



#66

n-Nitrosodiphenylamine

Concen: 2.110 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.018 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

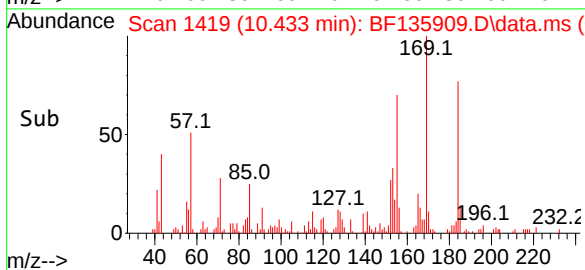
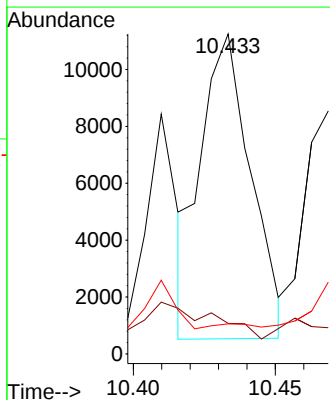
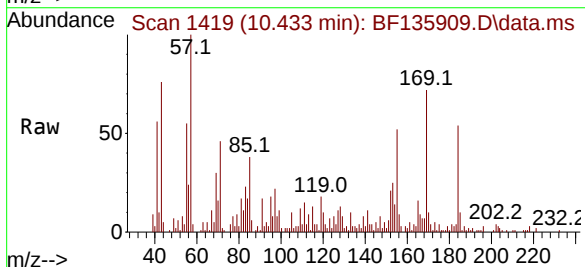
Tgt Ion:169 Resp: 13093

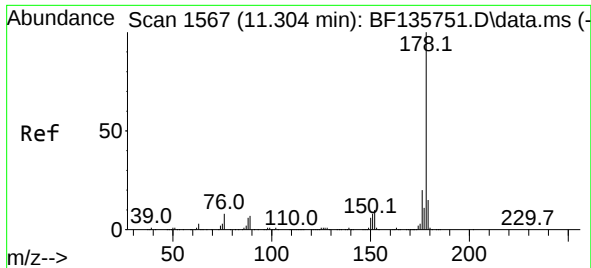
Ion Ratio Lower Upper

169 100

168 9.5 53.4 80.2#

167 9.4 29.2 43.8#

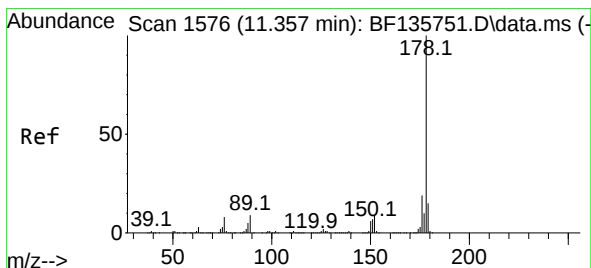
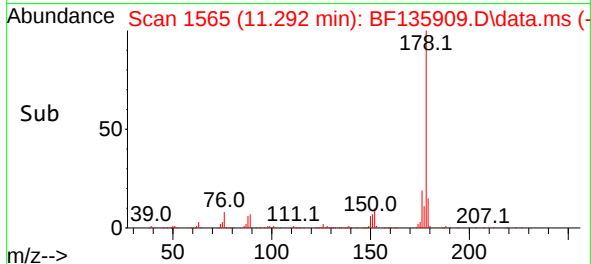
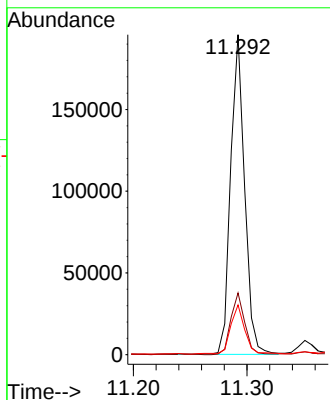
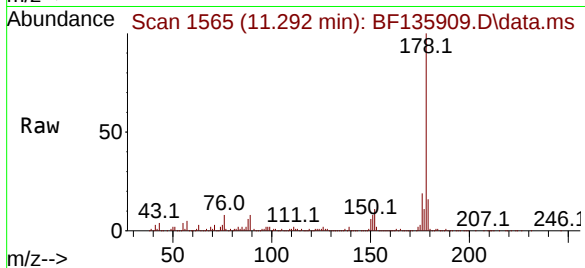




#71
Phenanthrene
Concen: 17.116 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

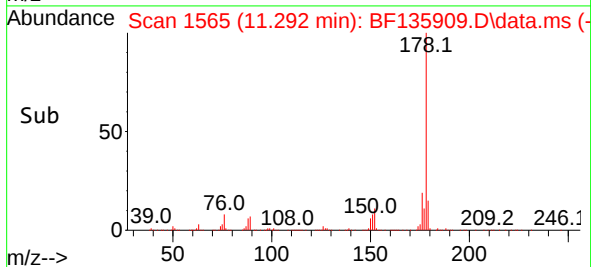
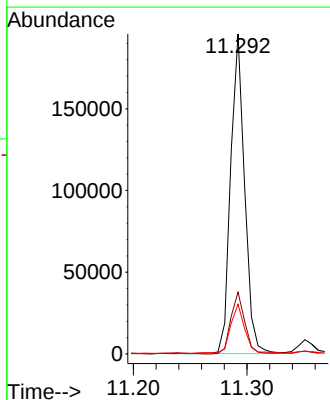
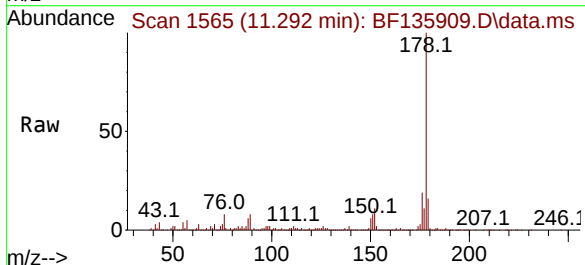
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

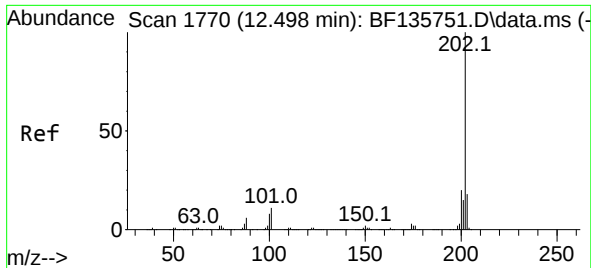
Tgt Ion:178 Resp: 166889
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.2 18.4



#72
Anthracene
Concen: 16.518 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.065 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:178 Resp: 166889
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.5 12.3 18.5

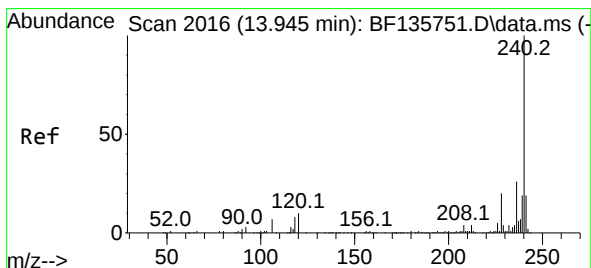
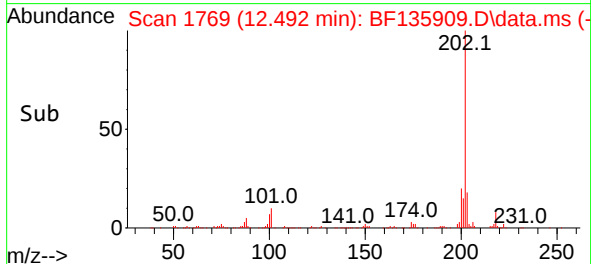
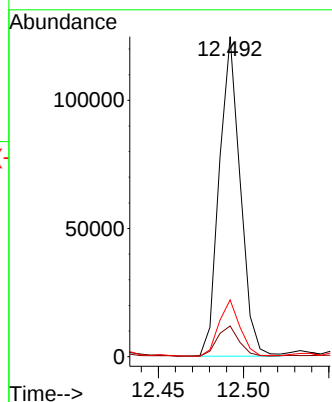
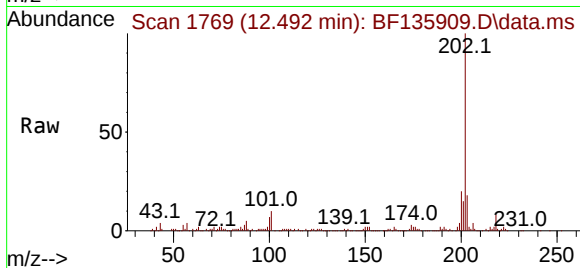




#75
Fluoranthene
Concen: 9.887 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

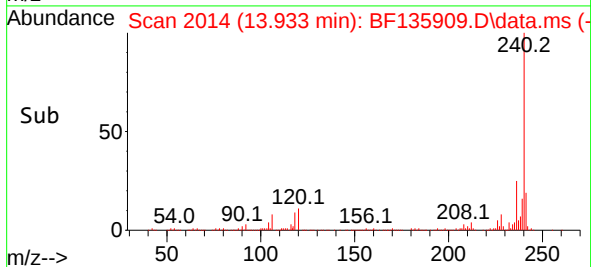
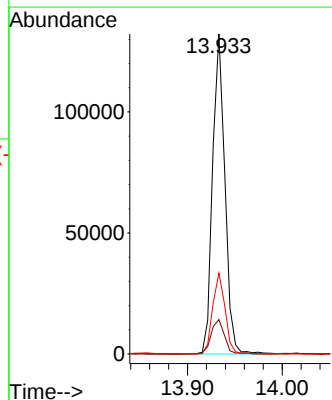
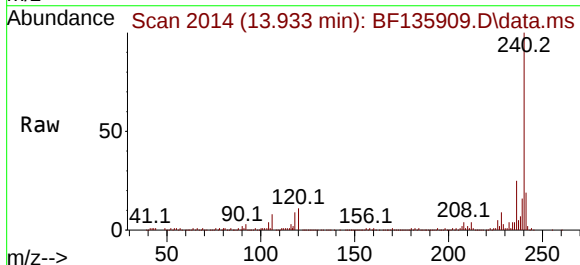
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

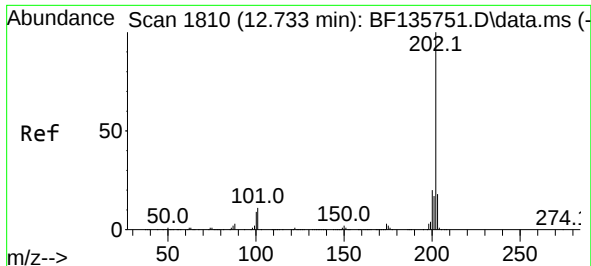
Tgt Ion:202 Resp: 106989
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.5
203 17.7 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:240 Resp: 119548
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 25.3 21.2 31.8

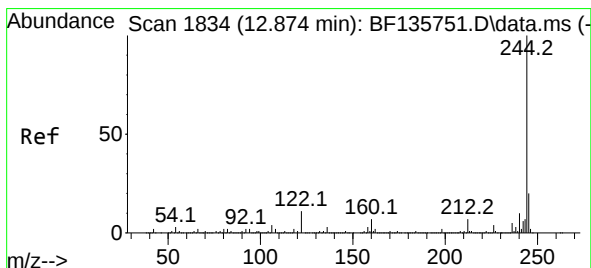
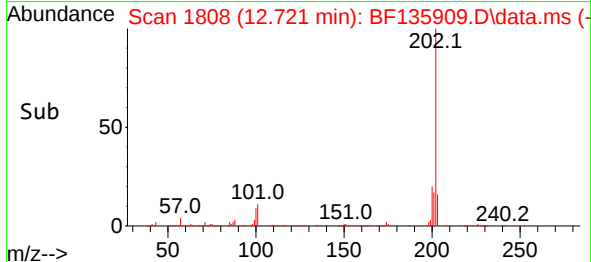
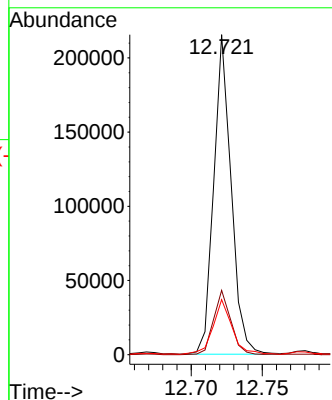
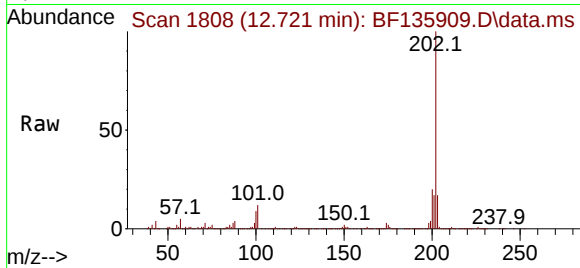




#78
 Pyrene
 Concen: 19.397 ng
 RT: 12.721 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35

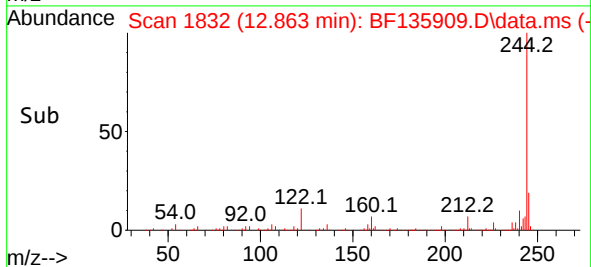
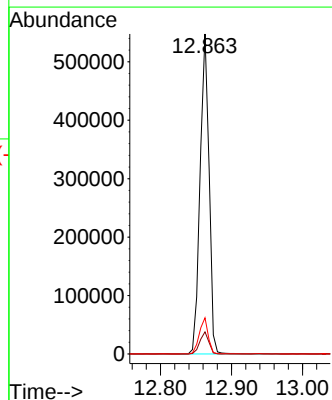
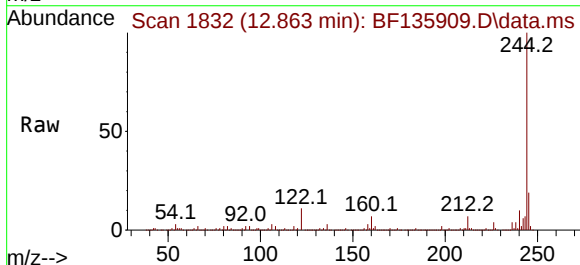
Instrument :
 BNA_F
 ClientSampleId :
 CON-FENCE-POST

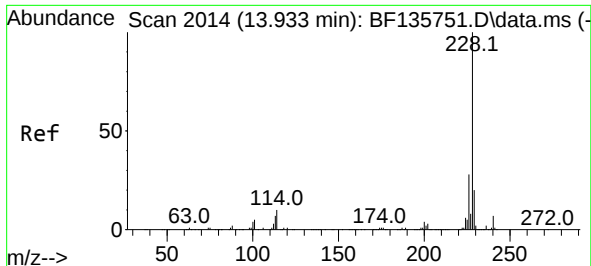
Tgt Ion:202 Resp: 184274
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 17.2 14.2 21.2



#79
 Terphenyl-d14
 Concen: 74.790 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135909.D
 Acq: 20 Oct 2023 15:35

Tgt Ion:244 Resp: 482795
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.3 9.0 13.6

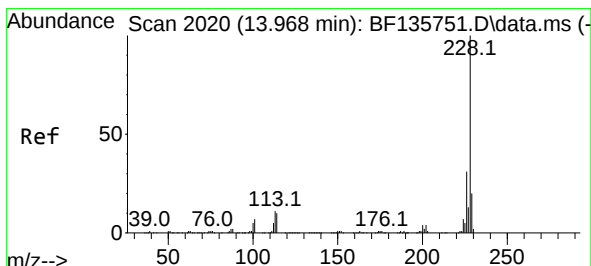
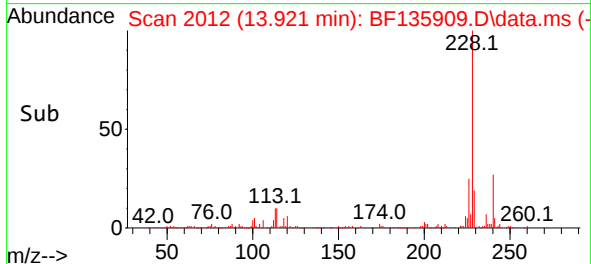
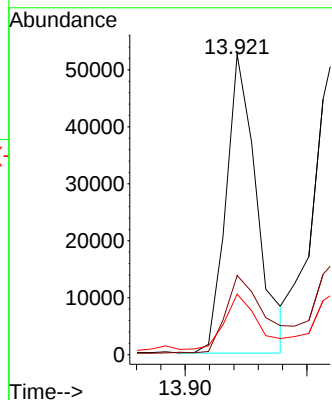
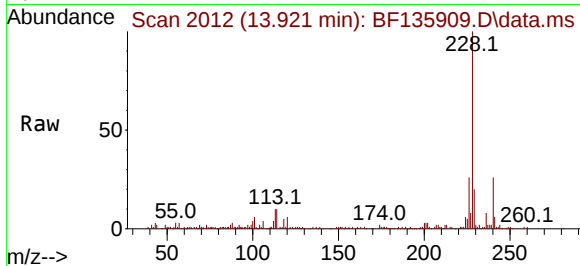




#81
Benzo(a)anthracene
Concen: 5.884 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

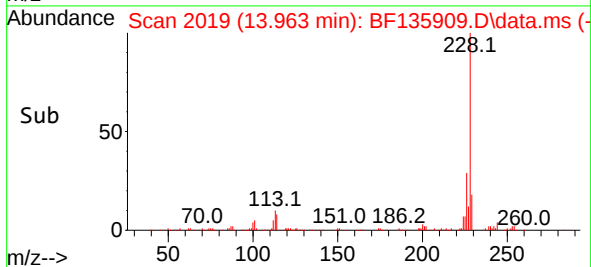
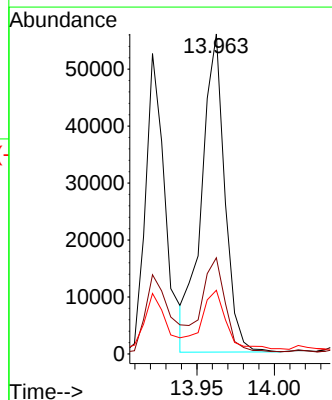
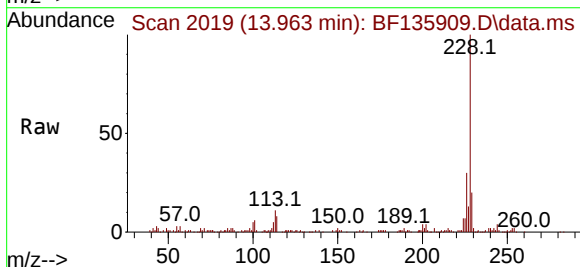
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

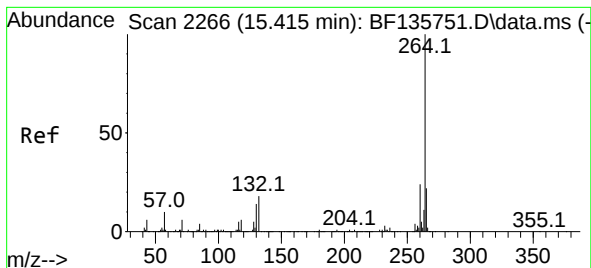
Tgt Ion:228 Resp: 46203
Ion Ratio Lower Upper
228 100
226 26.4 22.2 33.2
229 20.1 16.1 24.1



#83
Chrysene
Concen: 7.663 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:228 Resp: 58283
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 19.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST

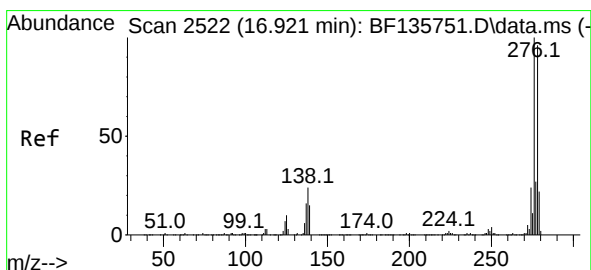
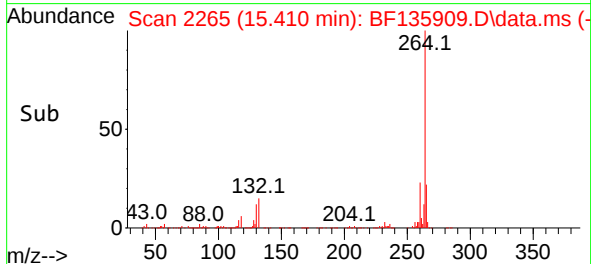
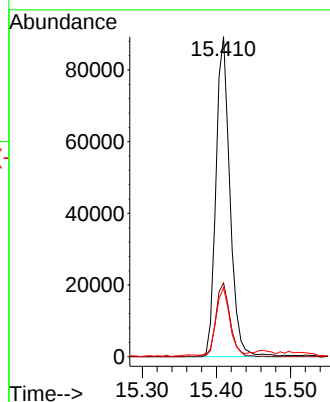
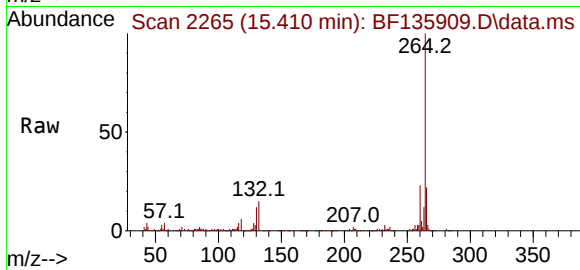
Tgt Ion:264 Resp: 116779

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.533 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

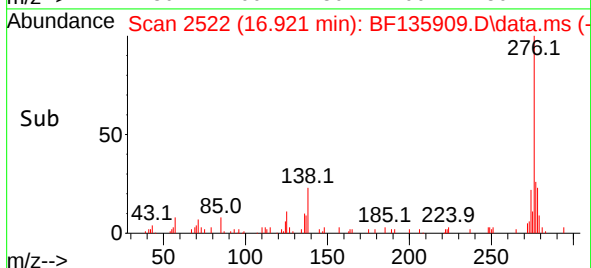
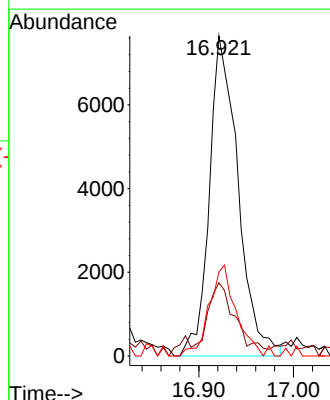
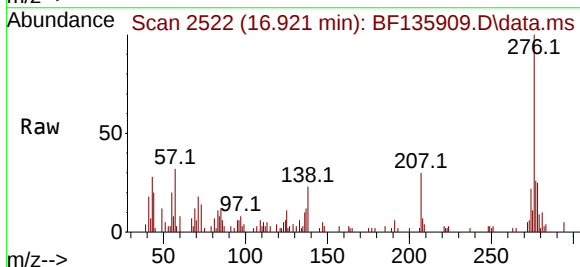
Tgt Ion:276 Resp: 16120

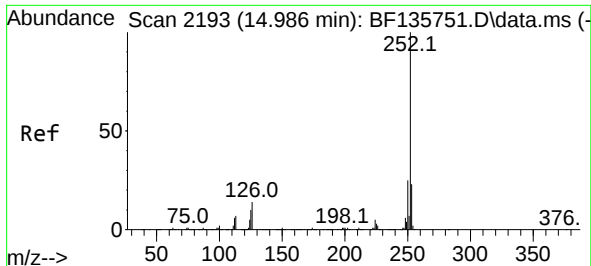
Ion Ratio Lower Upper

276 100

138 22.7 19.8 29.6

277 26.3 20.2 30.4

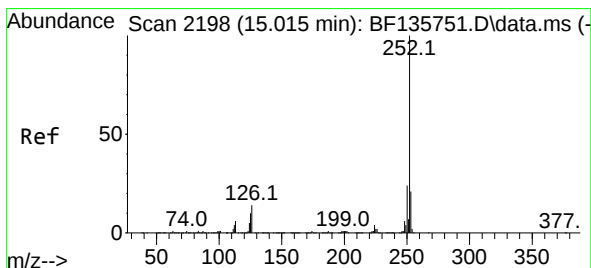
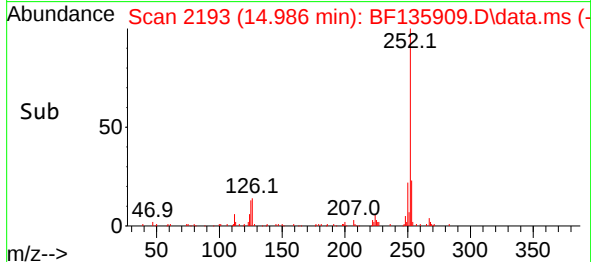
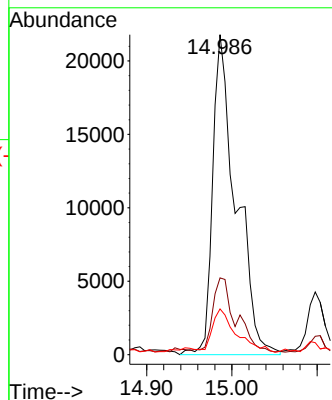
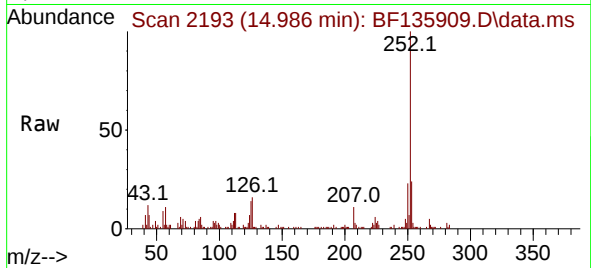




#88
Benzo(b)fluoranthene
Concen: 6.380 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

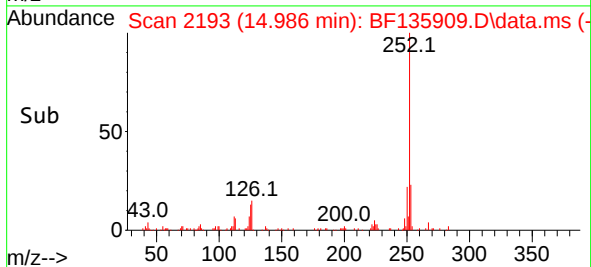
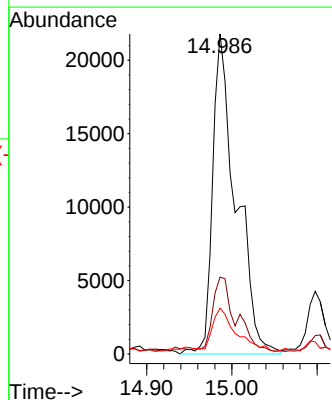
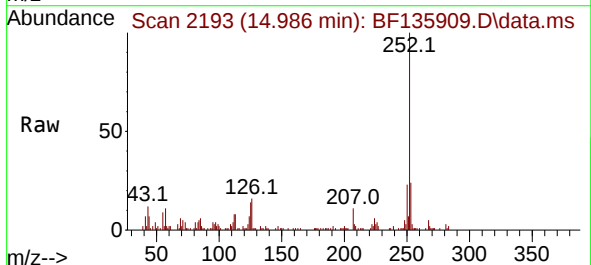
Instrument :
BNA_F
ClientSampleId :
CON-FENCE-POST

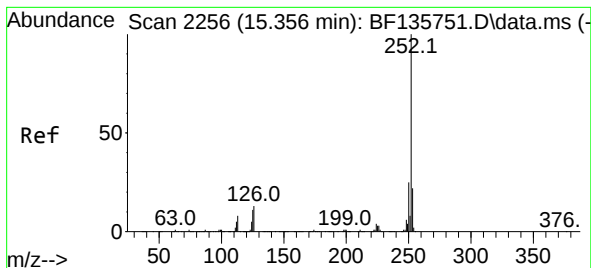
Tgt Ion:252 Resp: 41699
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 14.3 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 6.572 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF135909.D
Acq: 20 Oct 2023 15:35

Tgt Ion:252 Resp: 41699
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 14.3 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.338 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Instrument :

BNA_F

ClientSampleId :

CON-FENCE-POST

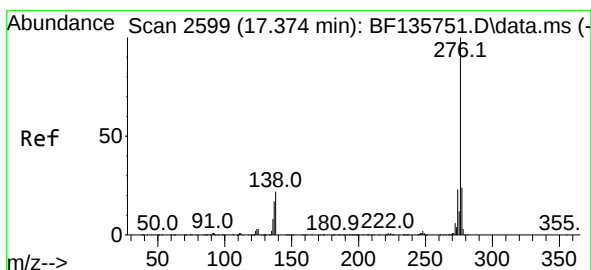
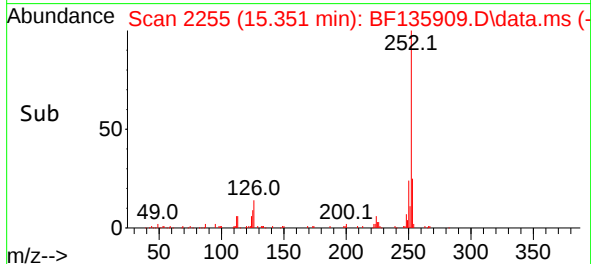
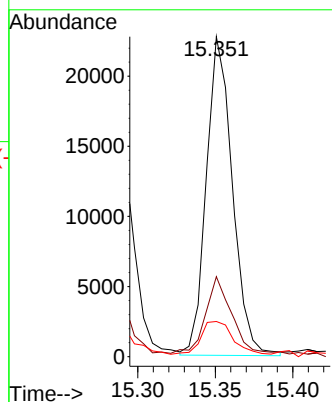
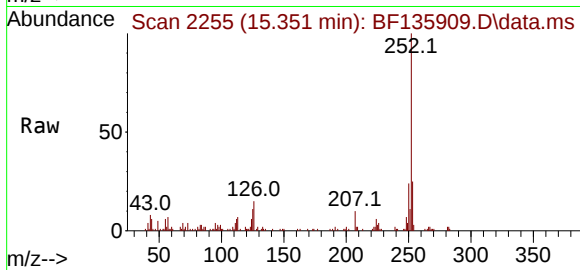
Tgt Ion:252 Resp: 26661

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

125 11.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 3.421 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BF135909.D

Acq: 20 Oct 2023 15:35

Tgt Ion:276 Resp: 18330

Ion Ratio Lower Upper

276 100

277 21.9 19.4 29.2

138 21.1 17.3 25.9

