

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130951.D
 Acq On : 03 Nov 2022 02:29
 Operator : CG\JU
 Sample : N5380-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-EDL

Quant Time: Nov 03 03:53:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

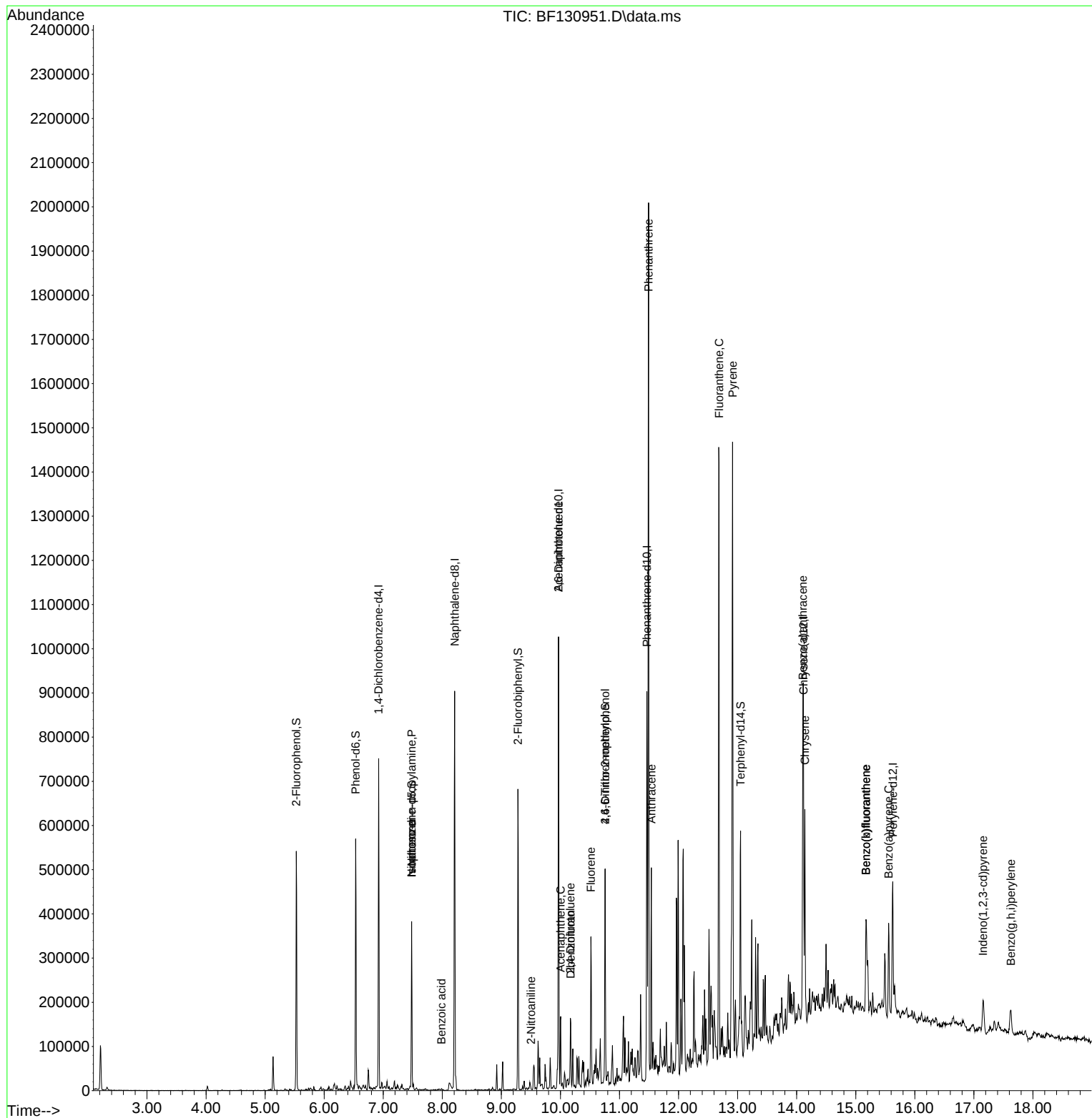
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	93114	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	348950	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	181302	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	301485	20.000	ng	0.00
76) Chrysene-d12	14.115	240	181231	20.000	ng	0.00
86) Perylene-d12	15.627	264	141244	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	123093	22.918	ng	-0.01
7) Phenol-d6	6.534	99	154474	22.132	ng	-0.01
23) Nitrobenzene-d5	7.481	82	100477	17.363	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	36891	24.172	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	182760	15.240	ng	-0.01
79) Terphenyl-d14	13.051	244	155928	15.766	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	14549	3.064	ng	# 78
25) Isophorone	7.481	82	100395	8.413	ng	# 66
32) Benzoic acid	7.986	122	204	7.728	ng	# 28
48) 2-Nitroaniline	9.504	65	109	4.177	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	25622	12.983	ng	# 14
52) Acenaphthene	10.004	154	29421	2.907	ng	94
55) Dibenzofuran	10.175	168	36267	2.472	ng	98
57) 2,4-Dinitrotoluene	10.169	165	997	4.016	ng	# 1
58) Fluorene	10.516	166	83867	7.260	ng	97
65) 4,6-Dinitro-2-methylph...	10.757	198	113	8.003	ng	# 1
71) Phenanthrene	11.492	178	676290	43.462	ng	100
72) Anthracene	11.539	178	156615	10.204	ng	100
75) Fluoranthene	12.686	202	565769	34.221	ng	98
78) Pyrene	12.916	202	542547	35.484	ng	99
81) Benzo(a)anthracene	14.104	228	204166	16.992	ng	97
83) Chrysene	14.139	228	158644	13.688	ng	97
87) Indeno(1,2,3-cd)pyrene	17.156	276	48991	5.223	ng	95
88) Benzo(b)fluoranthene	15.174	252	174229	19.082	ng	# 97
89) Benzo(k)fluoranthene	15.174	252	174229	19.583	ng	98
90) Benzo(a)pyrene	15.557	252	105658	14.395	ng	94
92) Benzo(g,h,i)perylene	17.627	276	45752	5.865	ng	97

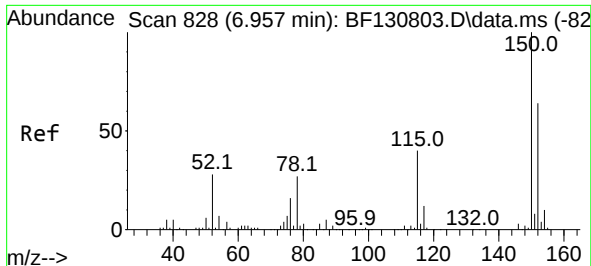
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 03 03:37:09 2022
Response via : Initial Calibration

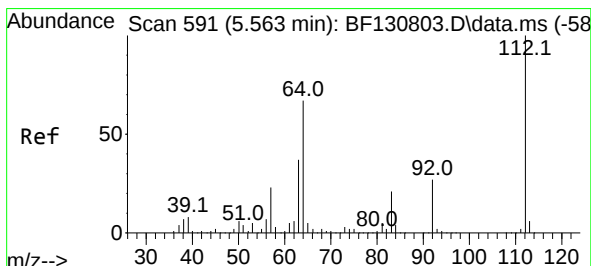
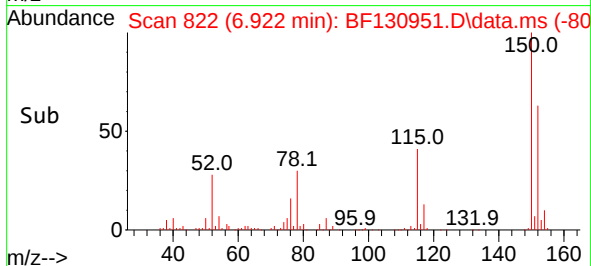
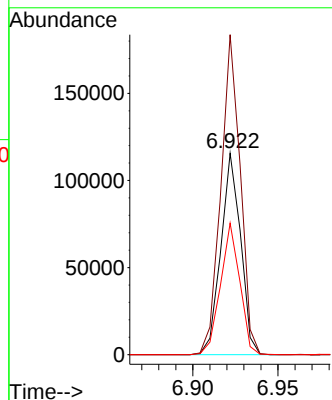
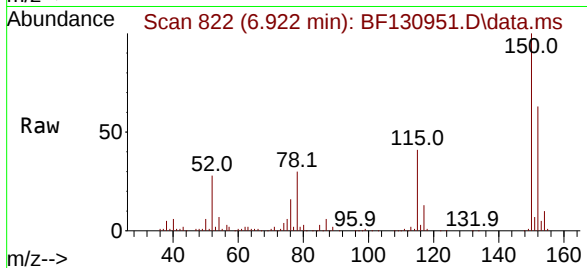




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

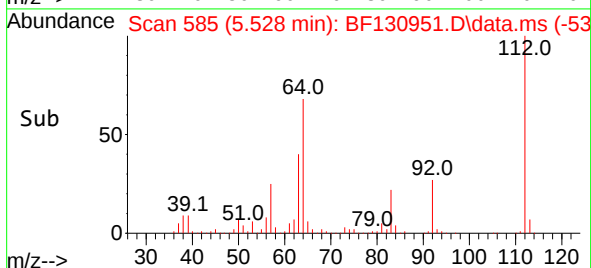
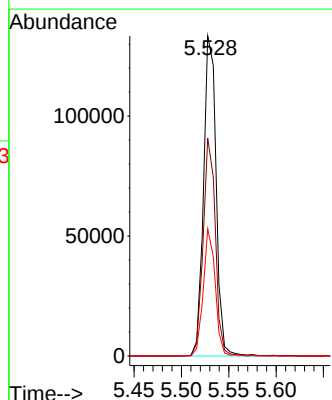
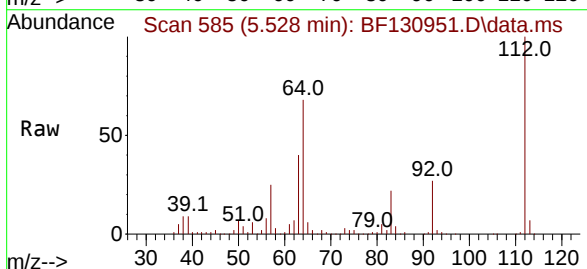
Instrument :
BNA_F
ClientSampleId :
TP-EDL

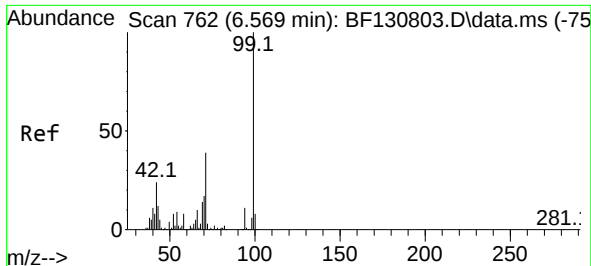
Tgt Ion:152 Resp: 93114
Ion Ratio Lower Upper
152 100
150 158.8 124.1 186.1
115 65.3 50.1 75.1



#5
2-Fluorophenol
Concen: 22.918 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:112 Resp: 123093
Ion Ratio Lower Upper
112 100
64 68.0 53.9 80.9
63 39.7 29.4 44.2

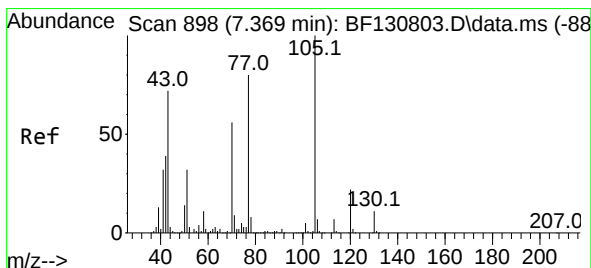
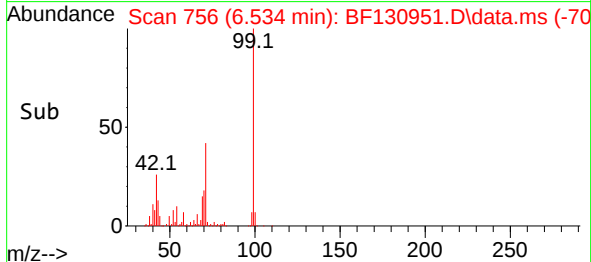
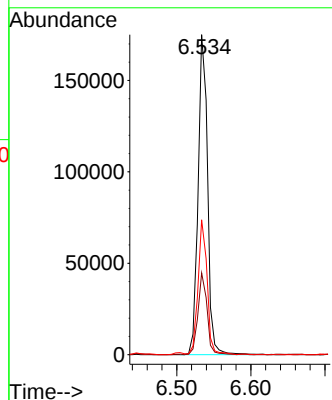
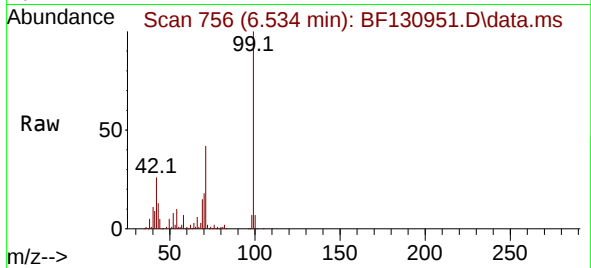




#7
Phenol-d6
Concen: 22.132 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

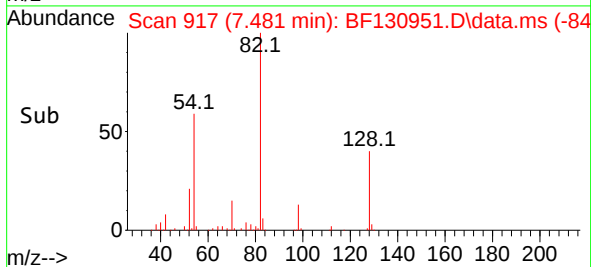
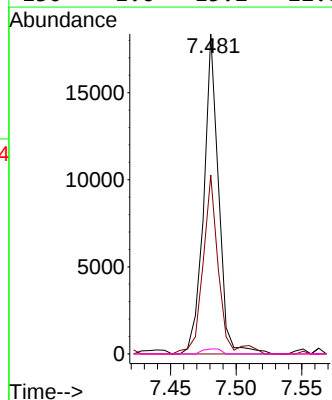
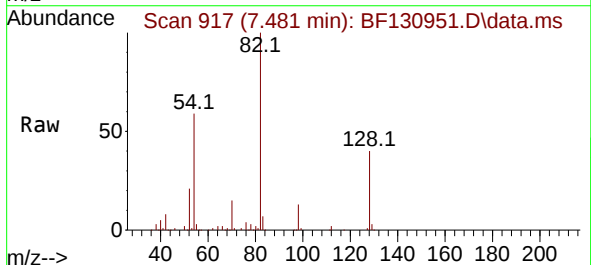
Instrument :
BNA_F
ClientSampleId :
TP-EDL

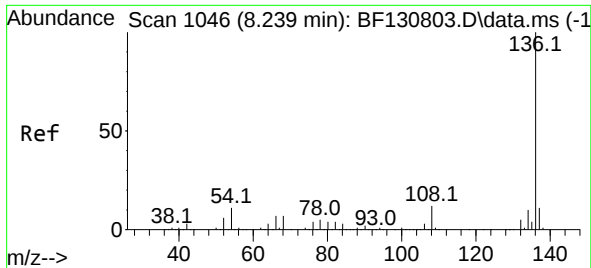
Tgt Ion: 99 Resp: 154474
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 42.1 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.064 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.141 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion: 70 Resp: 14549
Ion Ratio Lower Upper
70 100
42 55.9 56.1 84.1#
101 0.0 7.3 10.9#
130 1.6 15.2 22.8#

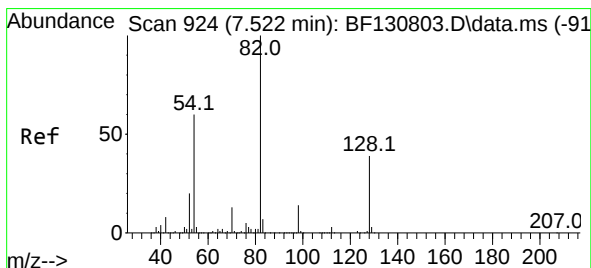
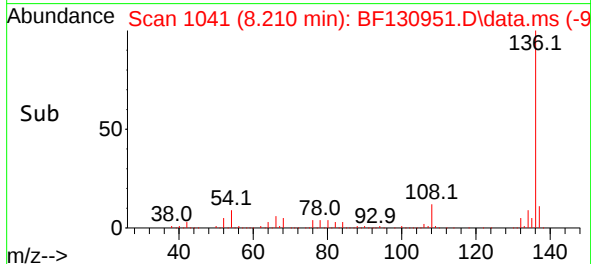
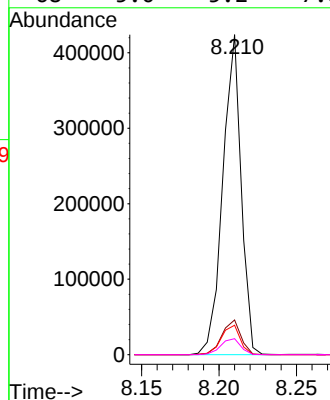
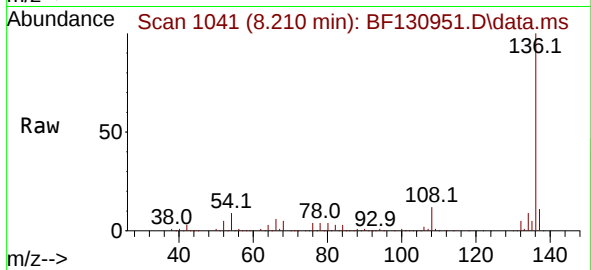




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

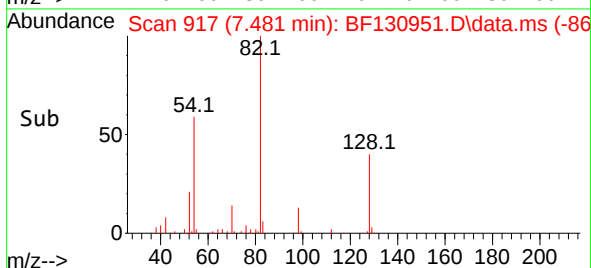
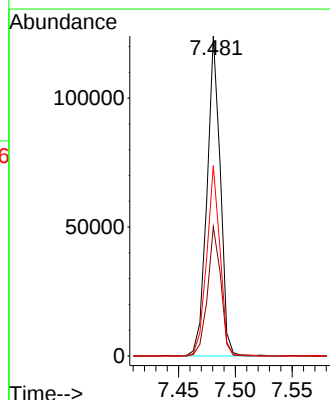
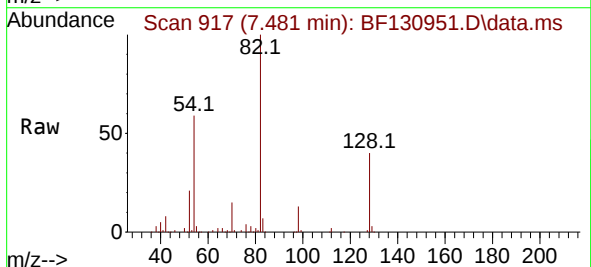
Instrument :
BNA_F
ClientSampleId :
TP-EDL

Tgt Ion:136 Resp: 348950
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.2 8.8 13.2
68 5.0 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 17.363 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion: 82 Resp: 100477
Ion Ratio Lower Upper
82 100
128 40.4 31.2 46.8
54 59.4 48.0 72.0

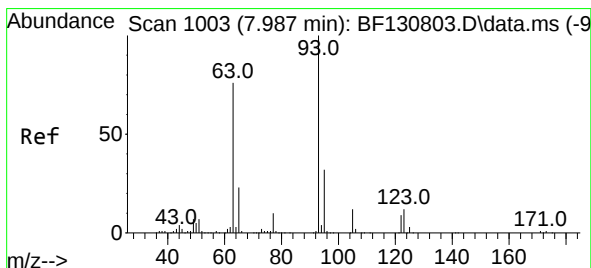
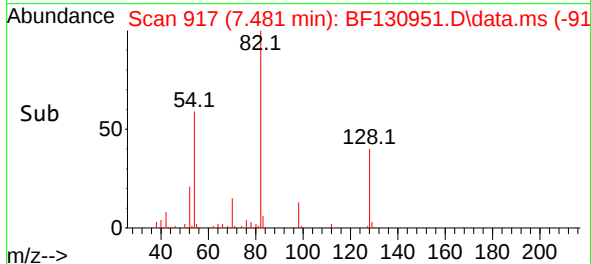
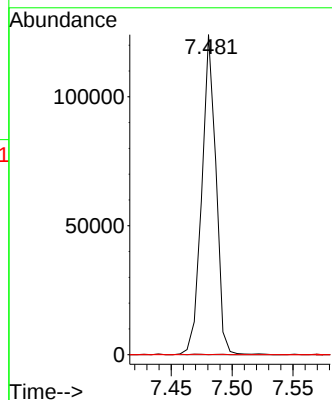
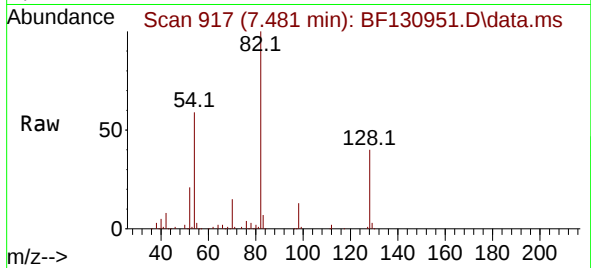




#25
Isophorone
Concen: 8.413 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.271 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

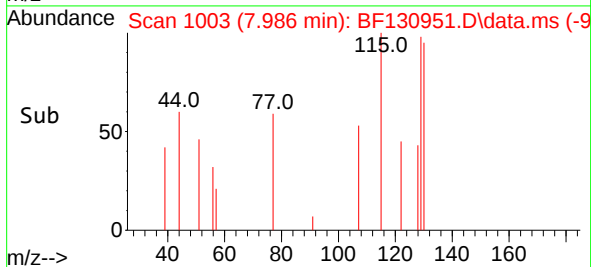
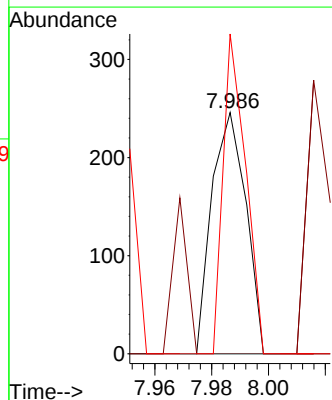
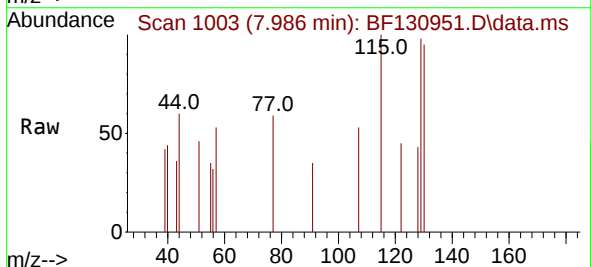
Instrument :
BNA_F
ClientSampleId :
TP-EDL

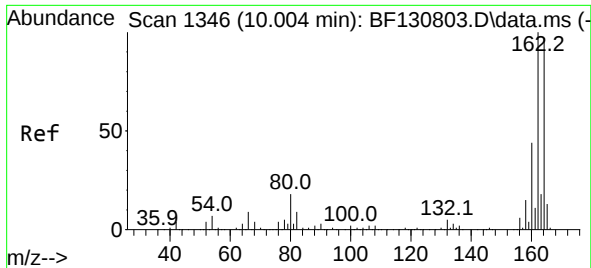
Tgt Ion: 82 Resp: 100395
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.728 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.018 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion: 122 Resp: 204
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 132.5 89.8 129.8#

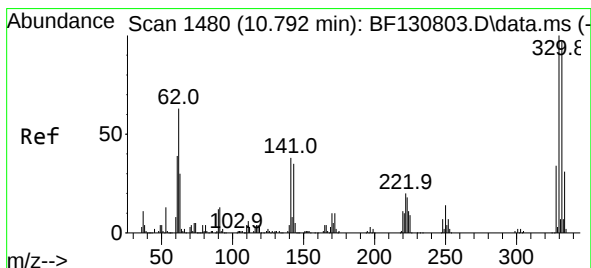
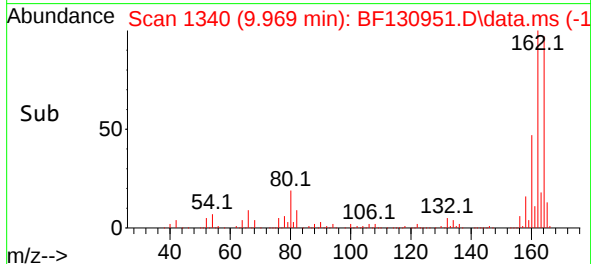
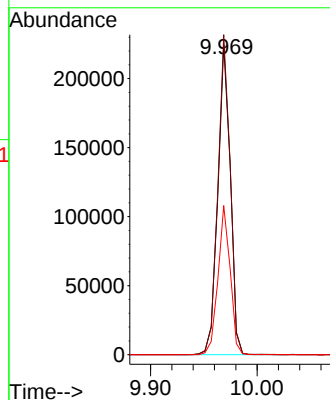
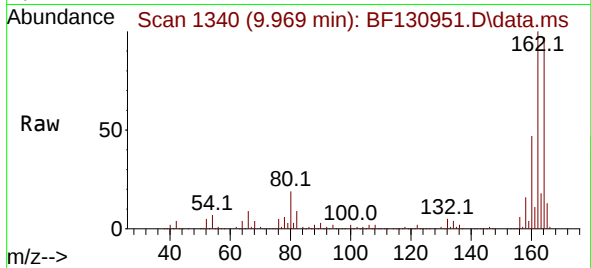




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

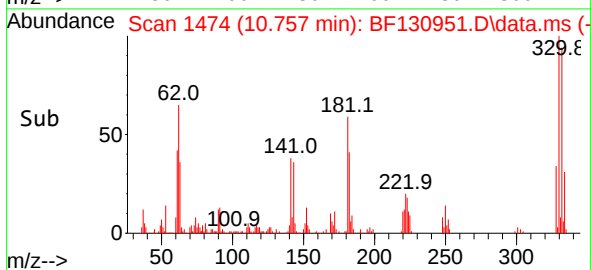
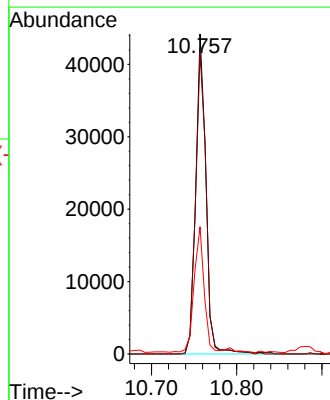
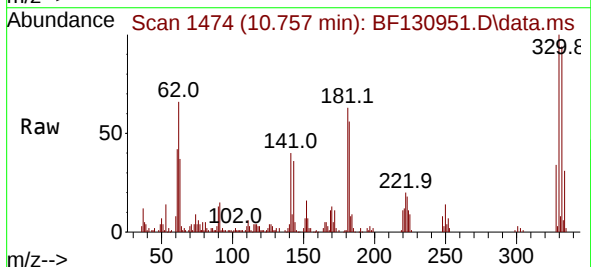
Instrument :
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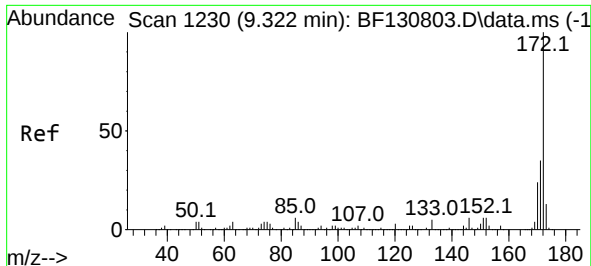
Tgt Ion:164 Resp: 181302
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.2
160 48.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 24.172 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:330 Resp: 36891
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 38.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 15.240 ng

RT: 9.281 min Scan# 1223

Delta R.T. -0.012 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

Instrument :

BNA_F

ClientSampleId :

TP-EDL

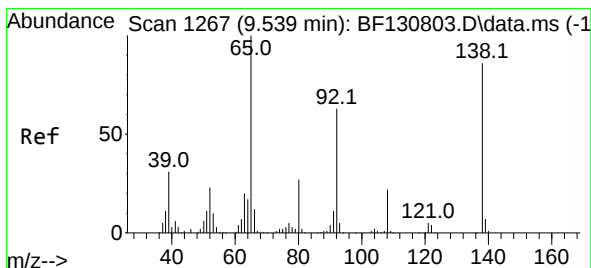
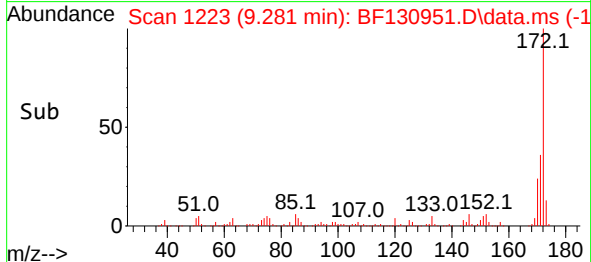
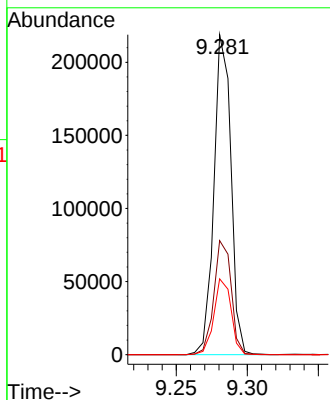
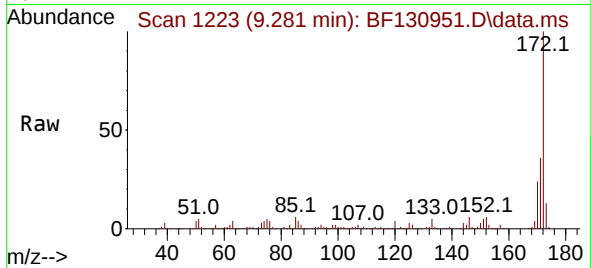
Tgt Ion:172 Resp: 182760

Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 4.177 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.012 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

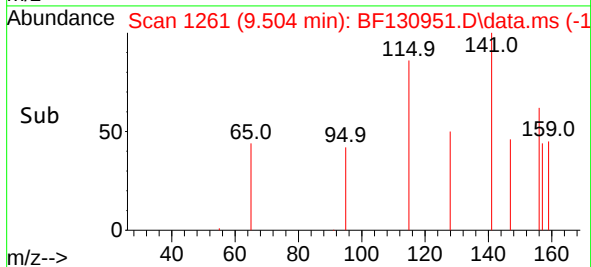
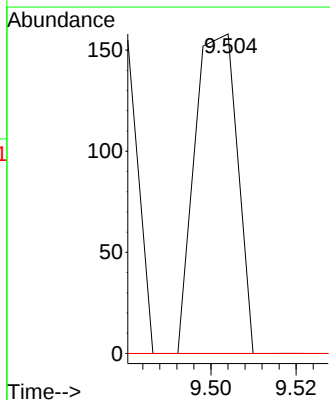
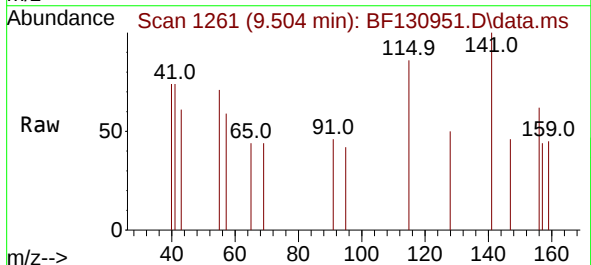
Tgt Ion: 65 Resp: 109

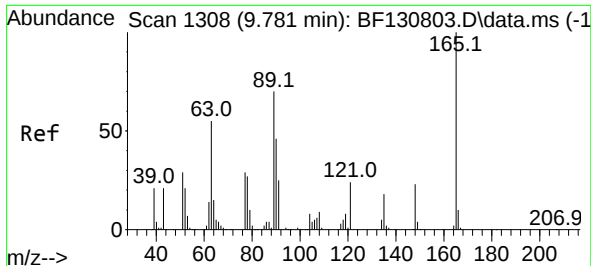
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

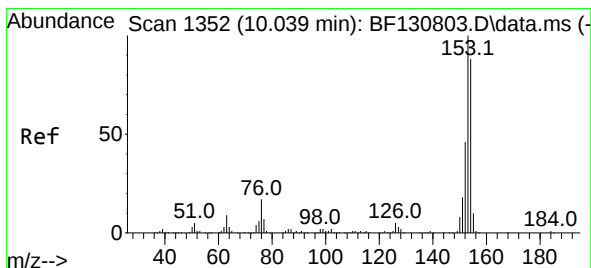
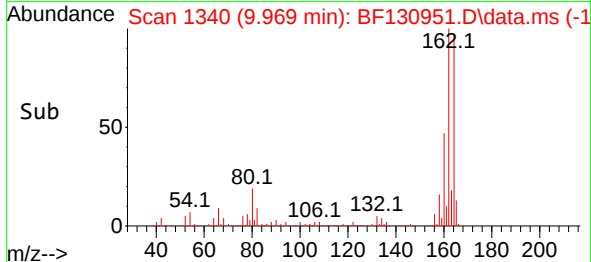
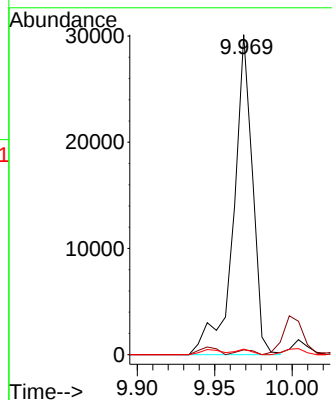
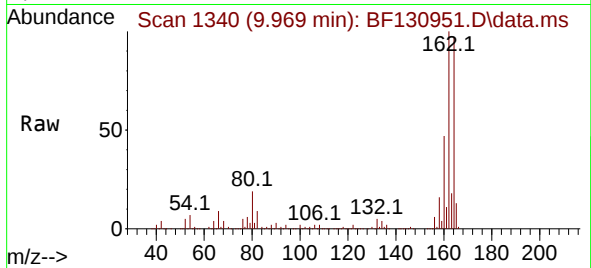




#51
2,6-Dinitrotoluene
Concen: 12.983 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

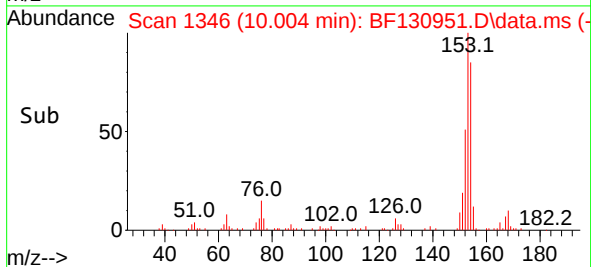
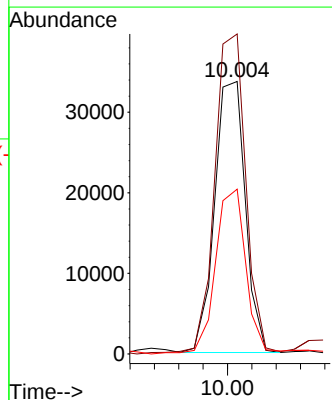
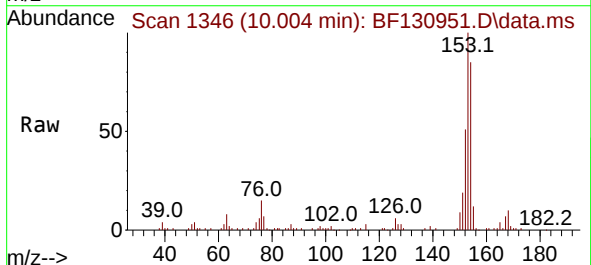
Instrument :
BNA_F
ClientSampleId :
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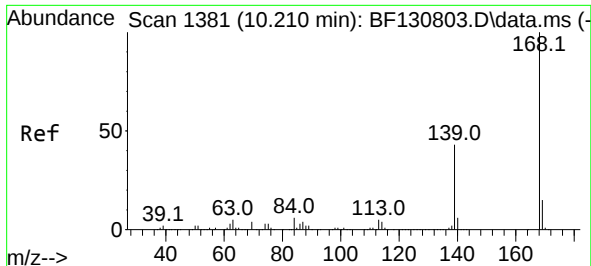
Tgt Ion:165 Resp: 25622
Ion Ratio Lower Upper
165 100
63 1.5 61.8 92.8#
89 1.8 56.2 84.4#



#52
Acenaphthene
Concen: 2.907 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:154 Resp: 29421
Ion Ratio Lower Upper
154 100
153 117.5 90.5 135.7
152 60.5 42.0 63.0

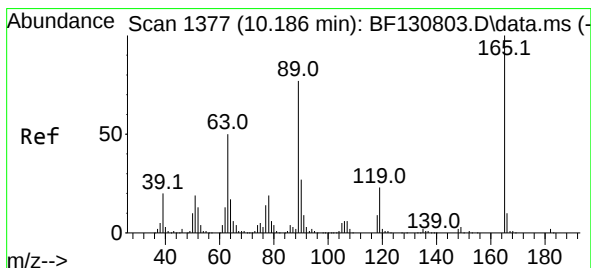
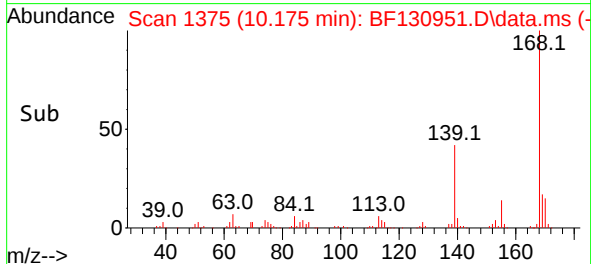
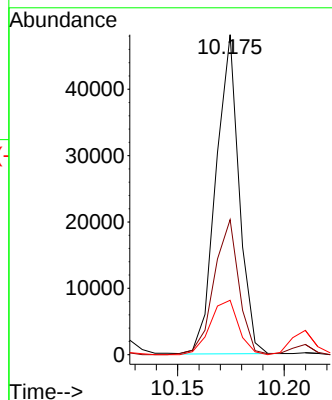
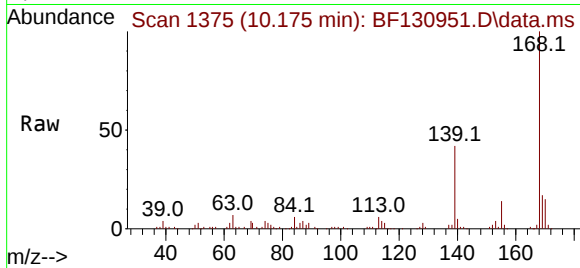




#55
Dibenzenofuran
Concen: 2.472 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

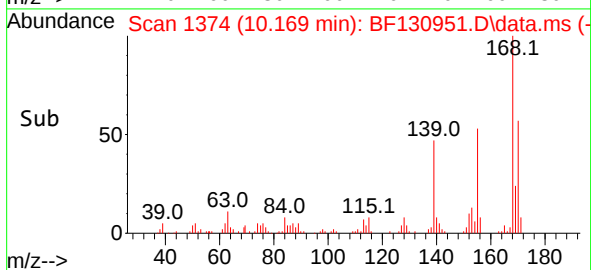
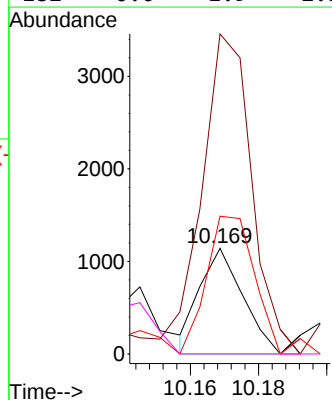
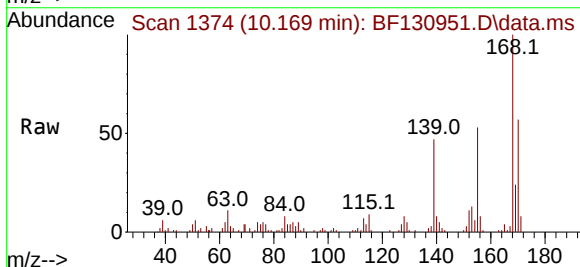
Instrument :
BNA_F
ClientSampleId :
TP-EDL

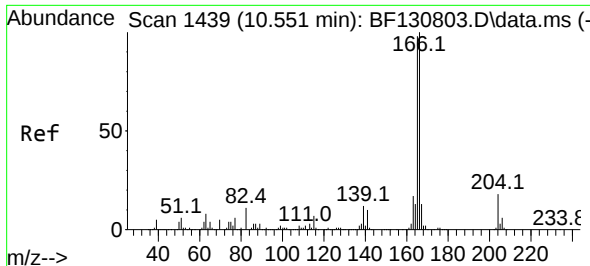
Tgt Ion:168 Resp: 36267
Ion Ratio Lower Upper
168 100
139 42.2 34.3 51.5
169 17.0 11.9 17.9



#57
2,4-Dinitrotoluene
Concen: 4.016 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:165 Resp: 997
Ion Ratio Lower Upper
165 100
63 303.1 39.8 59.6#
89 130.4 61.9 92.9#
182 0.0 1.9 2.9#

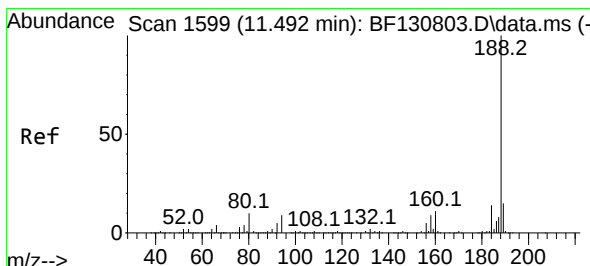
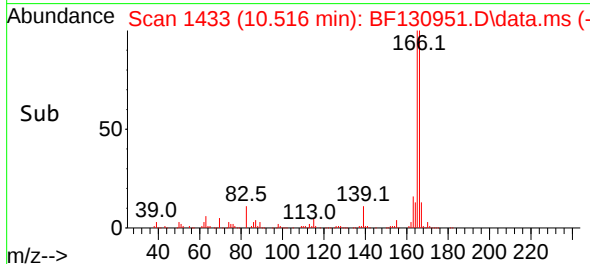
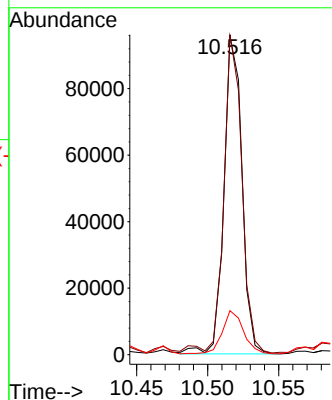
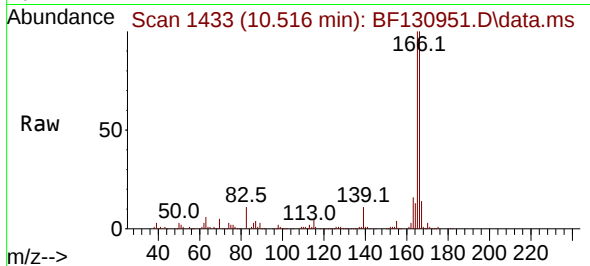




#58
Fluorene
Concen: 7.260 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

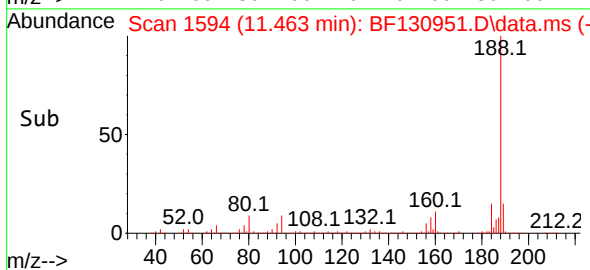
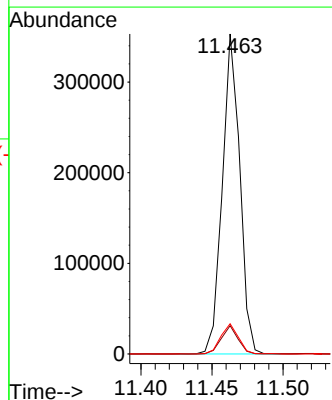
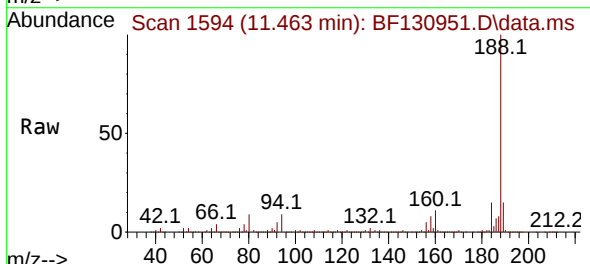
Instrument :
BNA_F
ClientSampleId :
TP-EDL

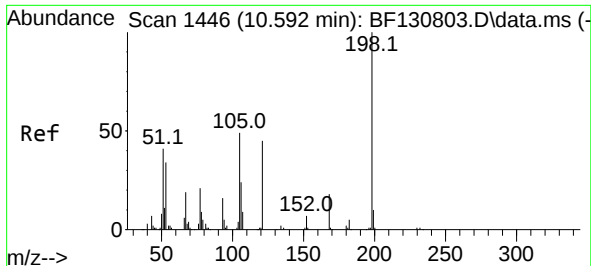
Tgt Ion:166 Resp: 83867
Ion Ratio Lower Upper
166 100
165 100.5 78.1 117.1
167 13.8 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:188 Resp: 301485
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.003 ng

RT: 10.757 min Scan# 1446

Delta R.T. 0.188 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

Instrument :

BNA_F

ClientSampleId :

TP-EDL

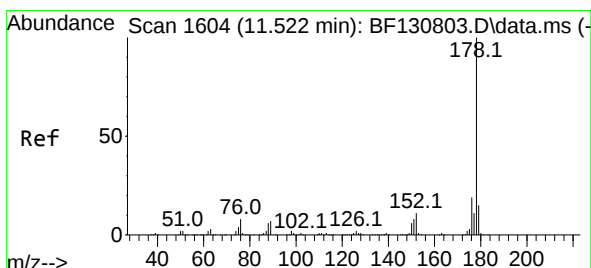
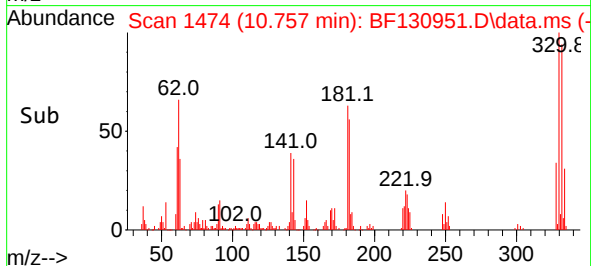
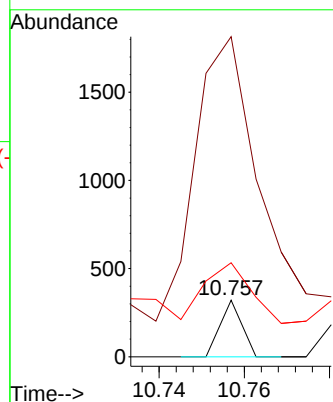
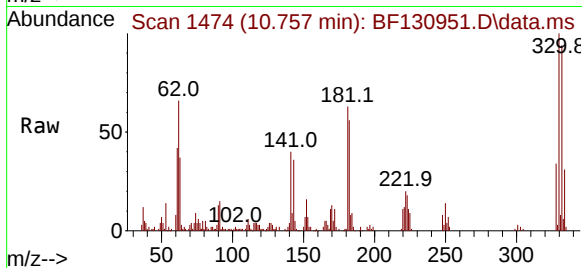
Tgt Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 565.4 39.0 79.0#

105 166.0 30.6 70.6#



#71

Phenanthrene

Concen: 43.462 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

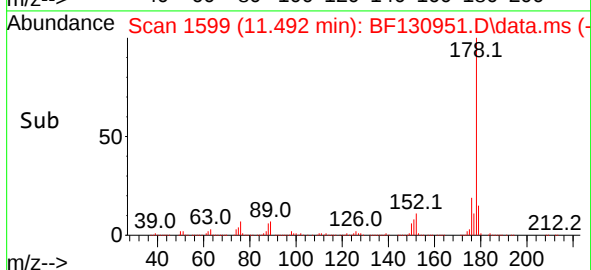
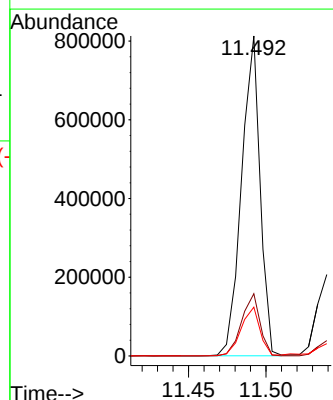
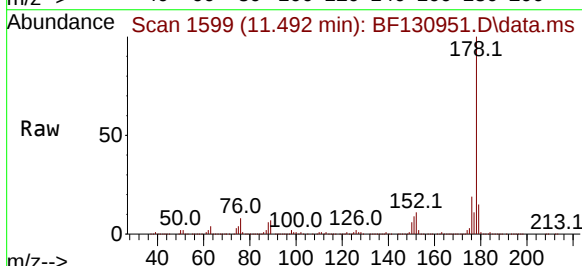
Tgt Ion:178 Resp: 676290

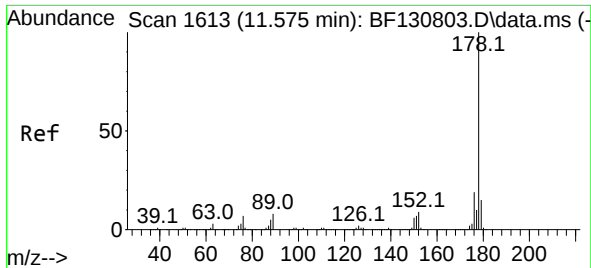
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.3 12.2 18.2

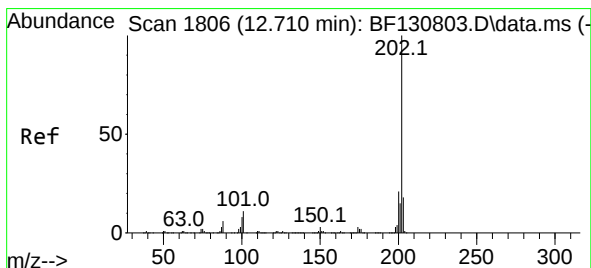
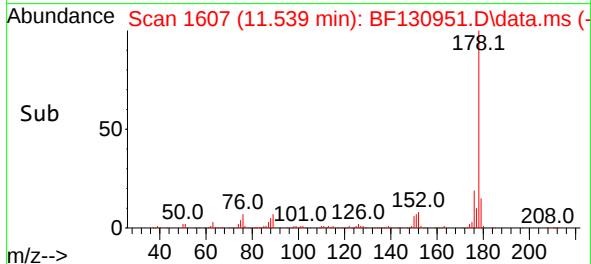
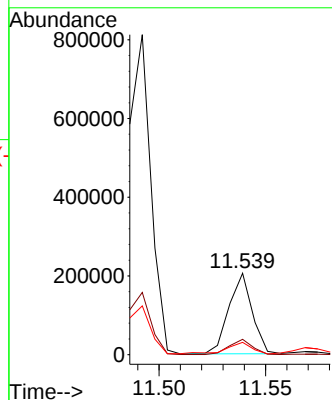
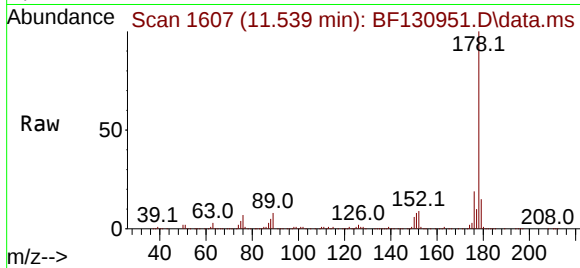




#72
 Anthracene
 Concen: 10.204 ng
 RT: 11.539 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

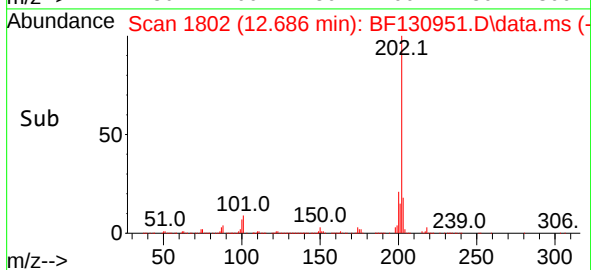
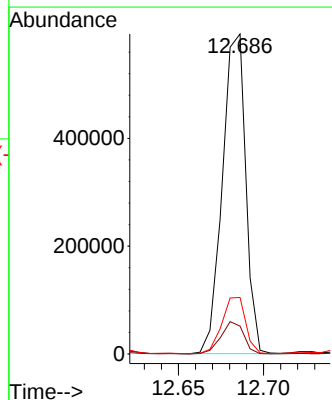
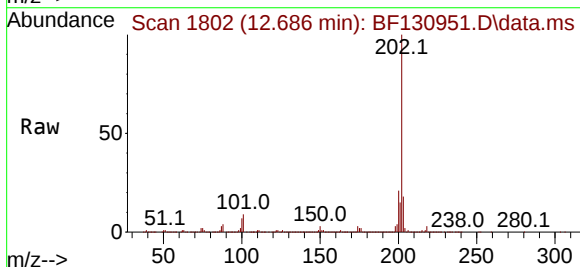
Instrument :
 BNA_F
 ClientSampleId :
 TP-EDL

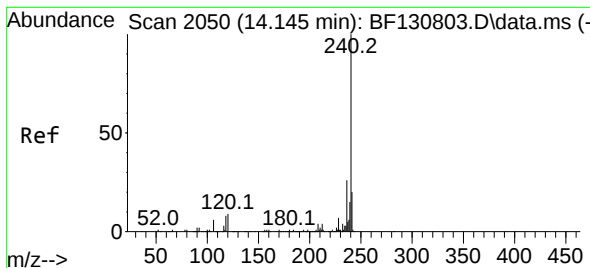
Tgt Ion:178 Resp: 156615
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.2 12.2 18.4



#75
 Fluoranthene
 Concen: 34.221 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. -0.000 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

Tgt Ion:202 Resp: 565769
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 30.9
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 2045

Delta R.T. -0.006 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

Instrument :

BNA_F

ClientSampleId :

TP-EDL

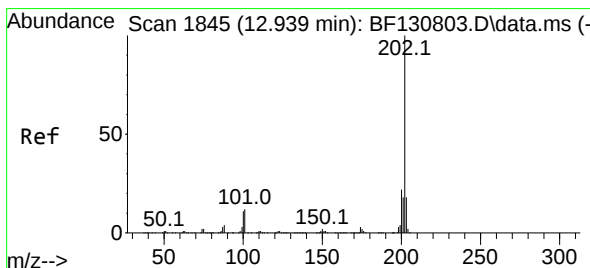
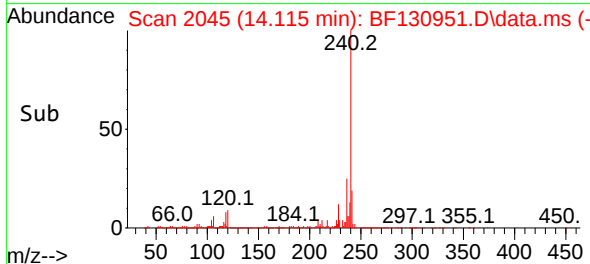
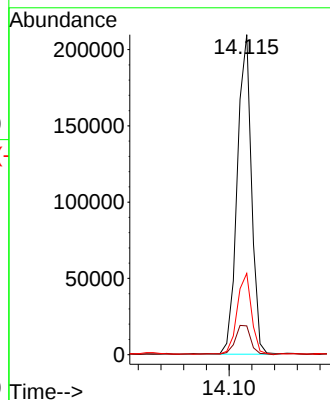
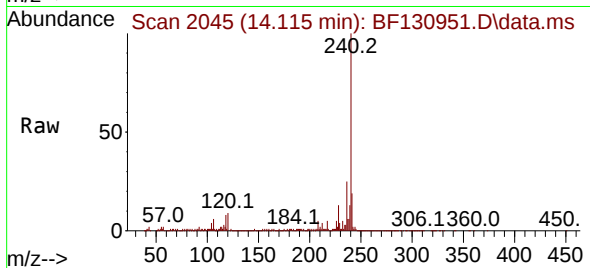
Tgt Ion:240 Resp: 181231

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.4

236 25.4 20.5 30.7



#78

Pyrene

Concen: 35.484 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BF130951.D

Acq: 03 Nov 2022 02:29

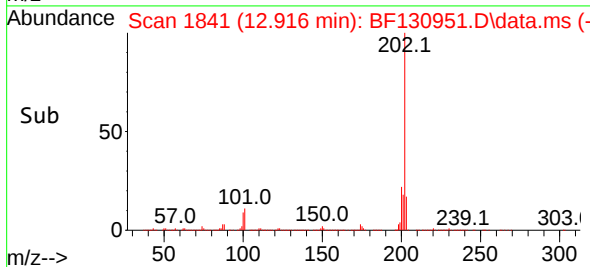
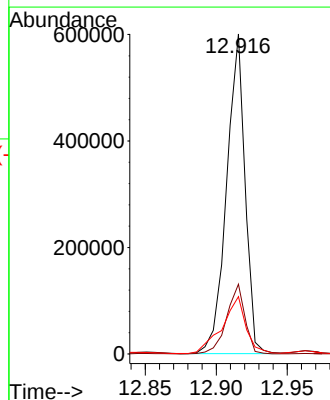
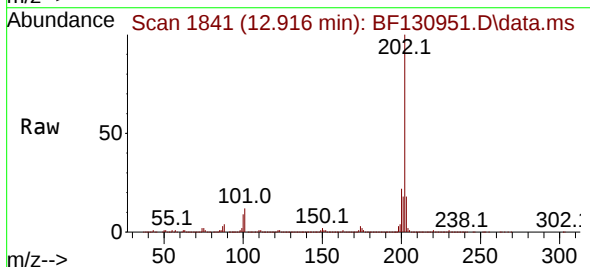
Tgt Ion:202 Resp: 542547

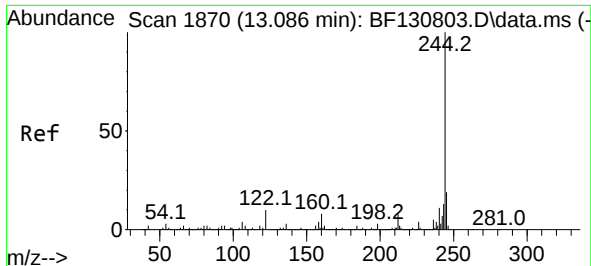
Ion Ratio Lower Upper

202 100

200 21.8 17.2 25.8

203 17.9 14.5 21.7

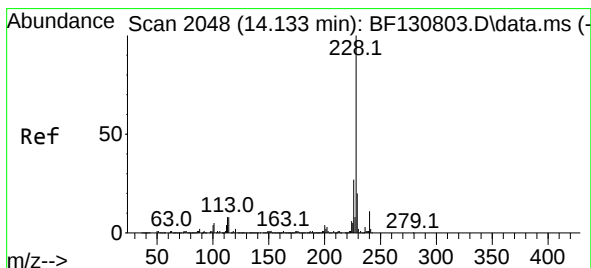
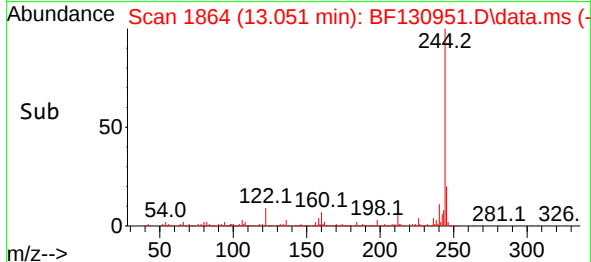
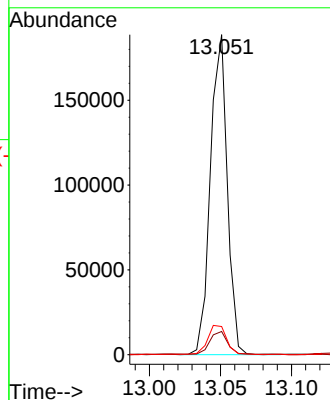
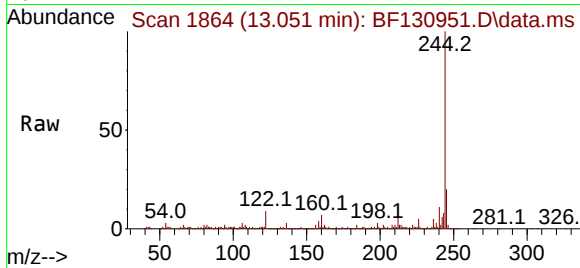




#79
 Terphenyl-d14
 Concen: 15.766 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

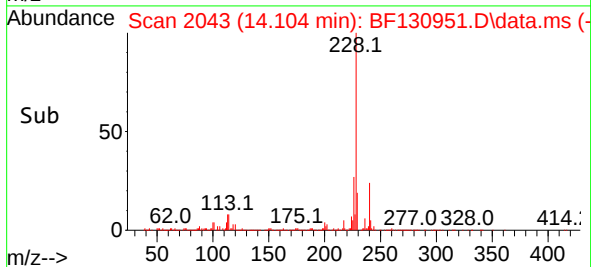
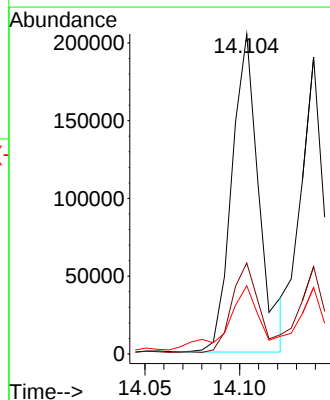
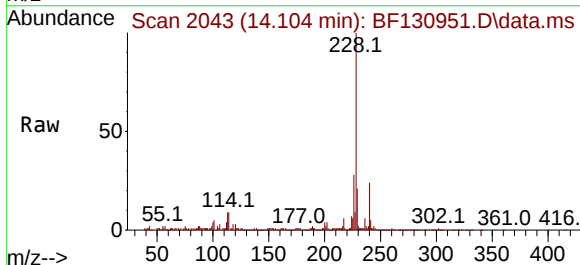
Instrument :
 BNA_F
 ClientSampleId :
 TP-EDL

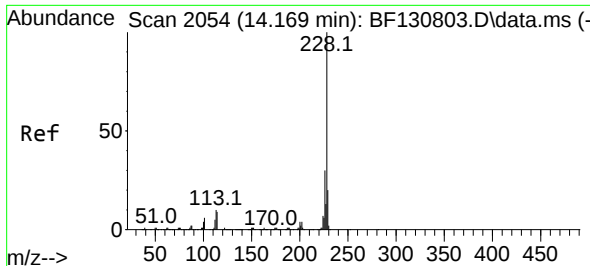
Tgt Ion:244 Resp: 155928
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 8.8 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 16.992 ng
 RT: 14.104 min Scan# 2043
 Delta R.T. -0.006 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

Tgt Ion:228 Resp: 204166
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 21.3 15.8 23.6

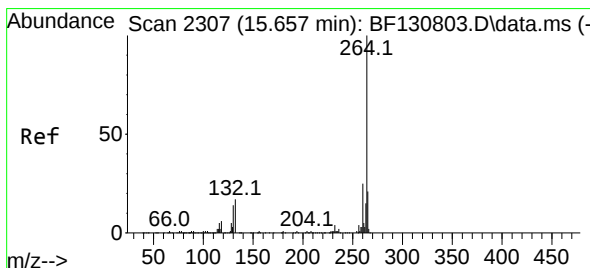
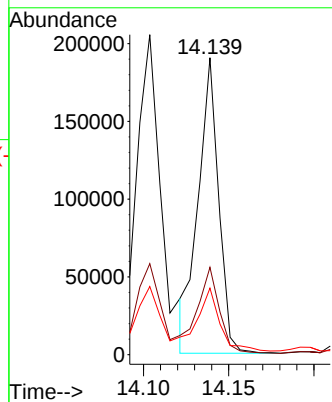
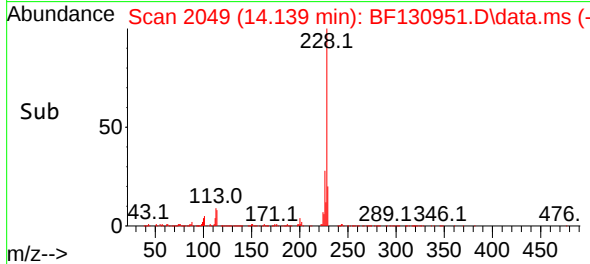
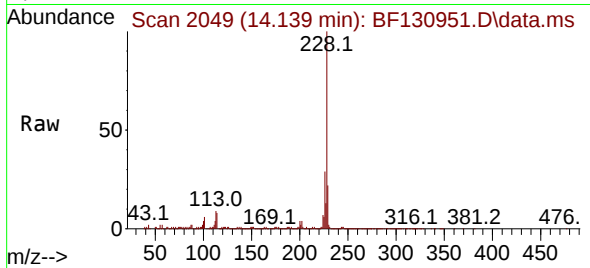




#83
Chrysene
Concen: 13.688 ng
RT: 14.139 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

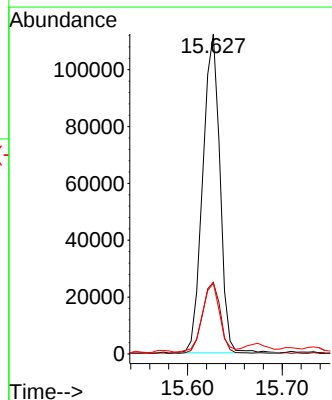
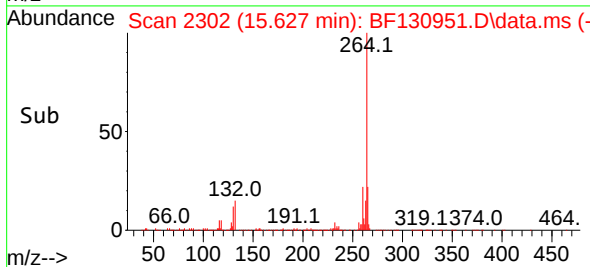
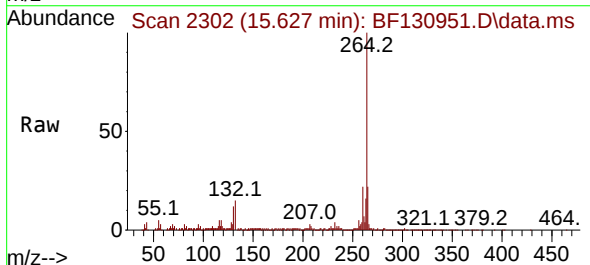
Instrument :
BNA_F
ClientSampleId :
TP-EDL

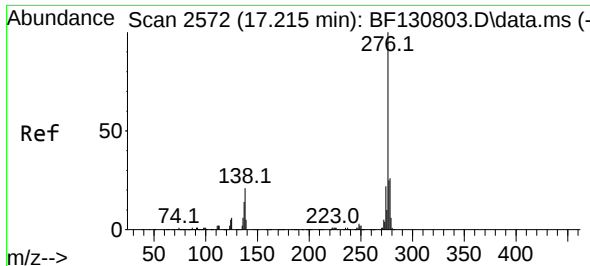
Tgt Ion:228 Resp: 158644
Ion Ratio Lower Upper
228 100
226 29.4 23.9 35.9
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:264 Resp: 141244
Ion Ratio Lower Upper
264 100
260 22.4 19.9 29.9
265 22.2 17.0 25.6

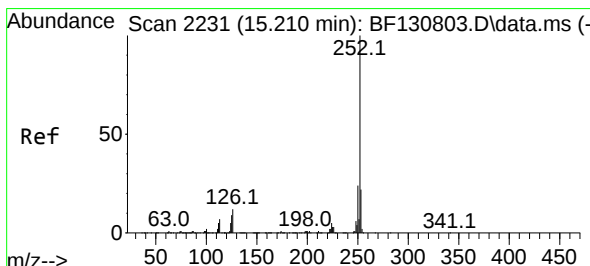
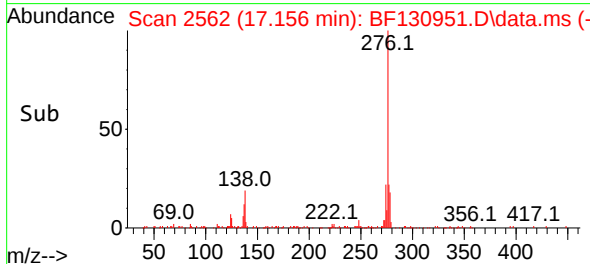
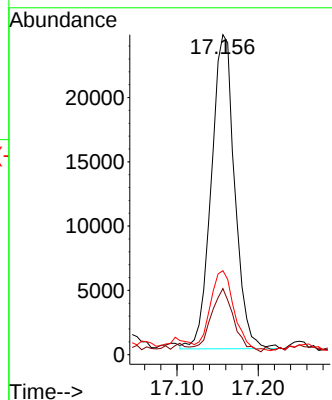
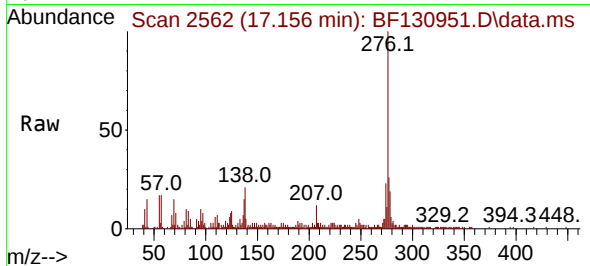




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.223 ng
 RT: 17.156 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

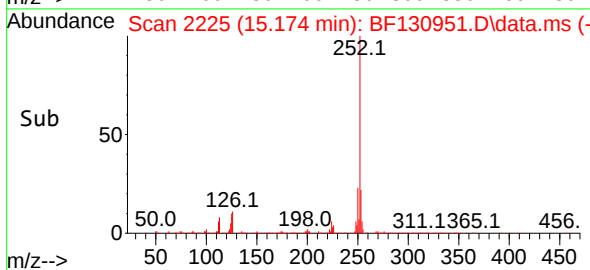
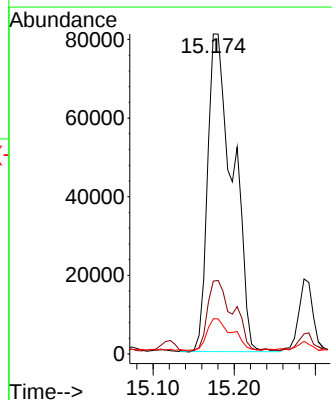
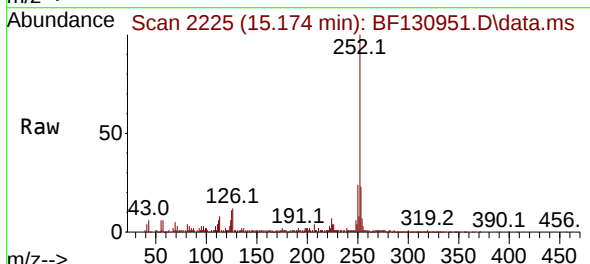
Instrument :
 BNA_F
 ClientSampleId :
 TP-EDL

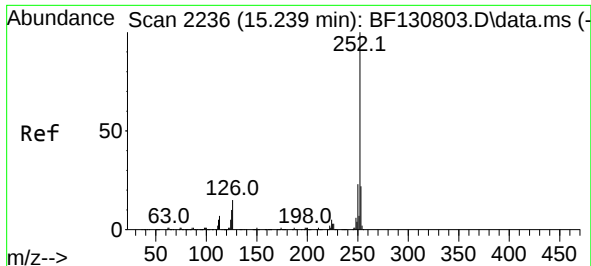
Tgt Ion:	276	Resp:	48991
Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.1	28.7
277	25.9	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 19.082 ng
 RT: 15.174 min Scan# 2225
 Delta R.T. -0.006 min
 Lab File: BF130951.D
 Acq: 03 Nov 2022 02:29

Tgt Ion:	252	Resp:	174229
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.0	7.0	10.4

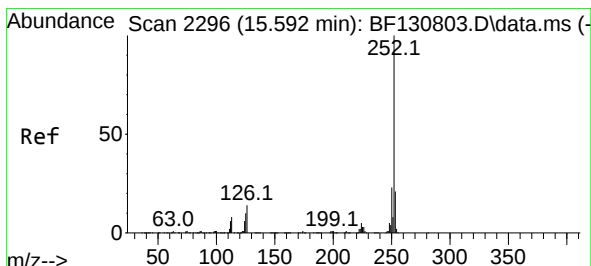
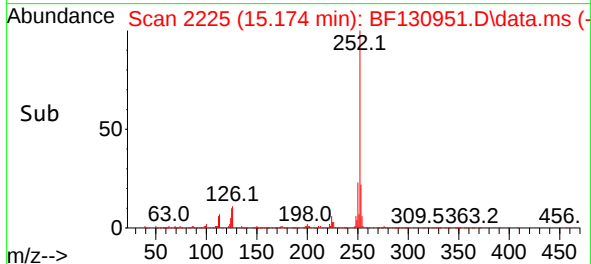
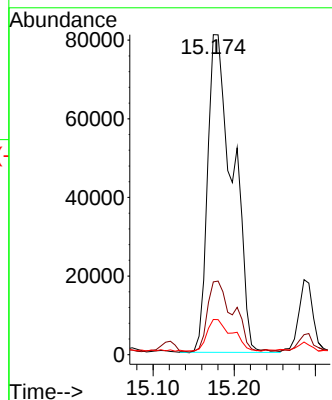
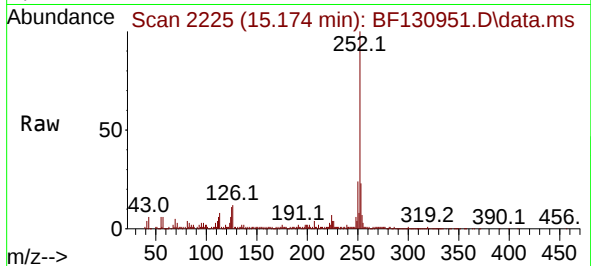




#89
Benzo(k)fluoranthene
Concen: 19.583 ng
RT: 15.174 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

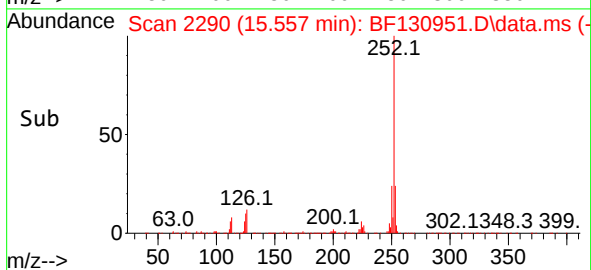
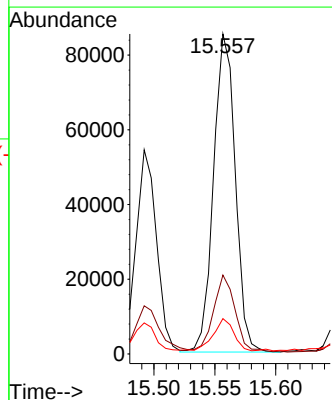
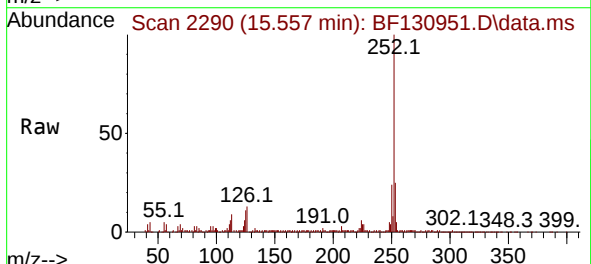
Instrument :
BNA_F
ClientSampleId :
TP-EDL

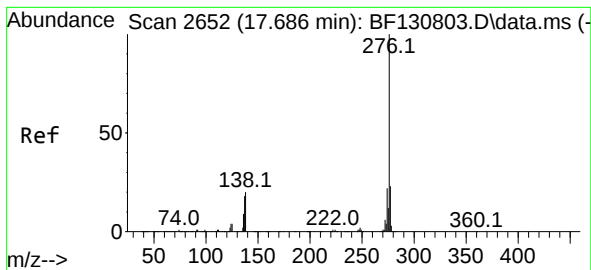
Tgt Ion:252 Resp: 174229
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.0 8.0 12.0



#90
Benzo(a)pyrene
Concen: 14.395 ng
RT: 15.557 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BF130951.D
Acq: 03 Nov 2022 02:29

Tgt Ion:252 Resp: 105658
Ion Ratio Lower Upper
252 100
253 24.6 16.8 25.2
125 11.1 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 5.865 ng

RT: 17.627 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF130951.D

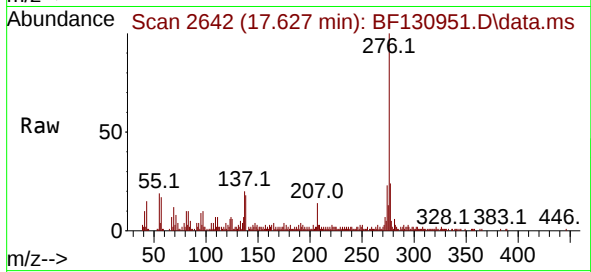
Acq: 03 Nov 2022 02:29

Instrument :

BNA_F

ClientSampleId :

TP-EDL



Tgt Ion:276 Resp: 45752

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 18.3 16.3 24.5

