

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
 Data File : BF130590.D
 Acq On : 07 Oct 2022 23:35
 Operator : CG\JU
 Sample : N5046-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-1

Quant Time: Oct 10 01:47:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

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

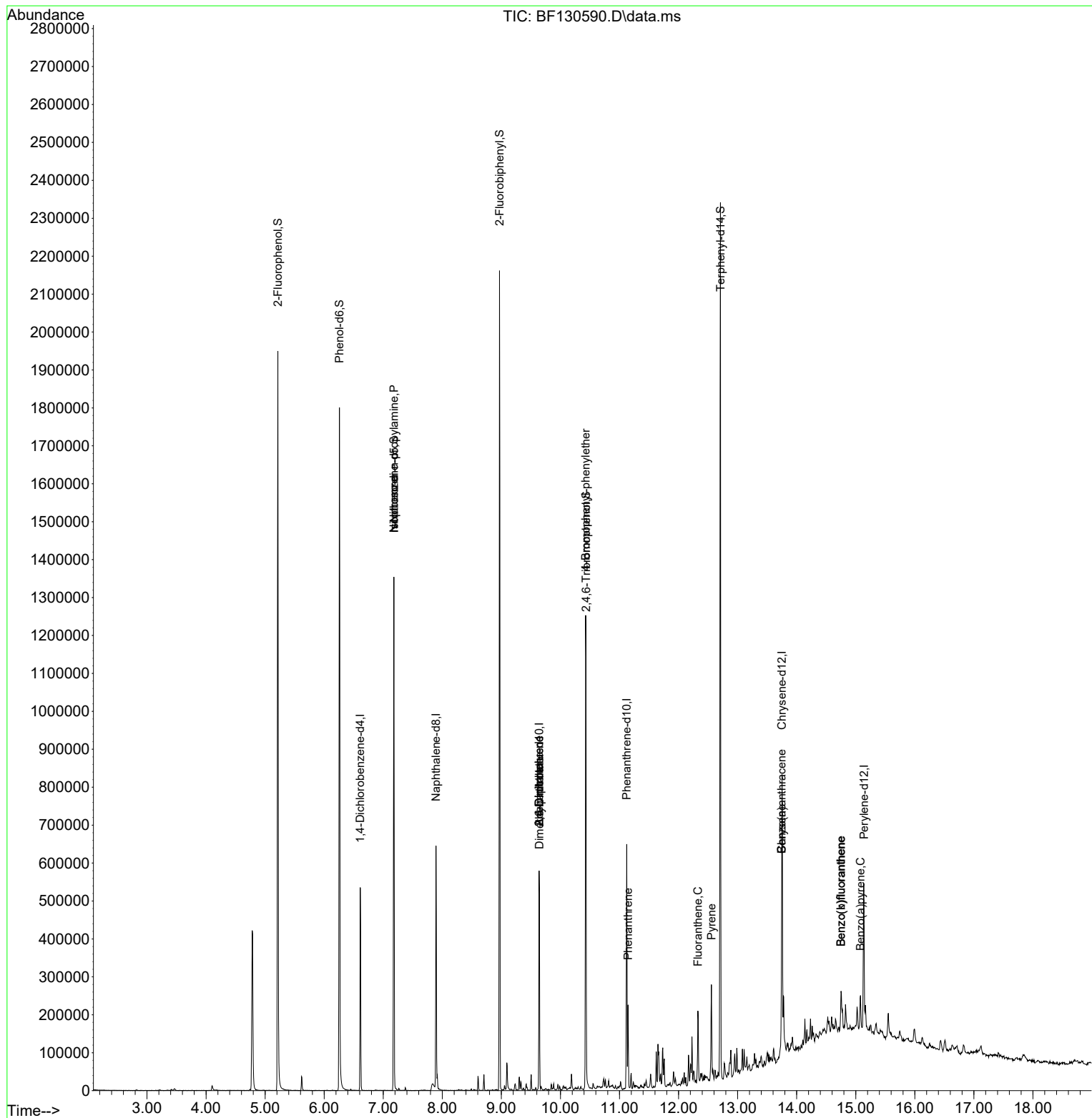
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.610	152	73587	20.000	ng	0.00
21) Naphthalene-d8	7.892	136	254374	20.000	ng	-0.01
39) Acenaphthene-d10	9.639	164	113366	20.000	ng	-0.01
64) Phenanthrene-d10	11.121	188	203389	20.000	ng	-0.01
76) Chrysene-d12	13.751	240	216356	20.000	ng	-0.01
86) Perylene-d12	15.139	264	163151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.216	112	521679	122.961	ng	0.00
7) Phenol-d6	6.257	99	602151	113.431	ng	-0.01
23) Nitrobenzene-d5	7.181	82	378450	76.008	ng	-0.01
42) 2,4,6-Tribromophenol	10.433	330	152363	140.264	ng	0.00
45) 2-Fluorobiphenyl	8.969	172	591678	76.001	ng	-0.01
79) Terphenyl-d14	12.710	244	711206	54.452	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.181	70	50235	14.024	ng	# 71
25) Isophorone	7.181	82	378506	47.165	ng	# 66
50) Dimethylphthalate	9.645	163	21507	2.746	ng	# 1
51) 2,6-Dinitrotoluene	9.639	165	15140	9.245	ng	# 16
57) 2,4-Dinitrotoluene	9.639	165	15140	7.233	ng	# 16
67) 4-Bromophenyl-phenylether	10.427	248	9074	4.044	ng	# 1
71) Phenanthrene	11.145	178	70295	6.156	ng	99
75) Fluoranthene	12.327	202	66887	6.062	ng	98
78) Pyrene	12.557	202	95387	5.040	ng	98
81) Benzo(a)anthracene	13.745	228	46936	3.261	ng	# 89
83) Chrysene	13.745	228	46936	3.434	ng	91
88) Benzo(b)fluoranthene	14.751	252	66198	6.216	ng	# 97
89) Benzo(k)fluoranthene	14.751	252	66198	6.320	ng	# 97
90) Benzo(a)pyrene	15.080	252	34664	4.109	ng	96

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

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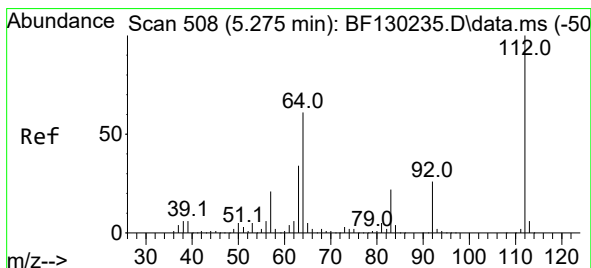
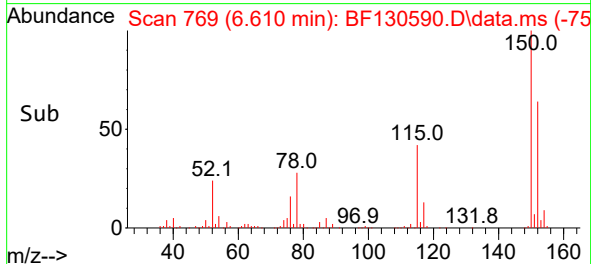
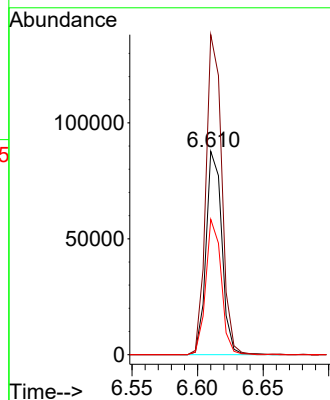
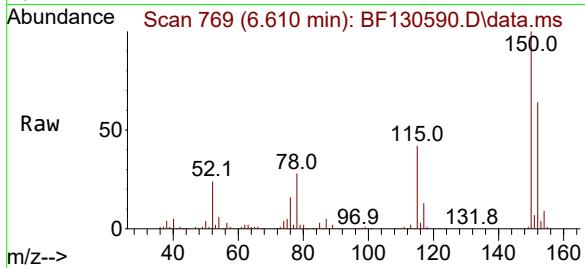




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.610 min Scan# 747
 Delta R.T. -0.006 min
 Lab File: BF130590.D
 Acq: 07 Oct 2022 23:35

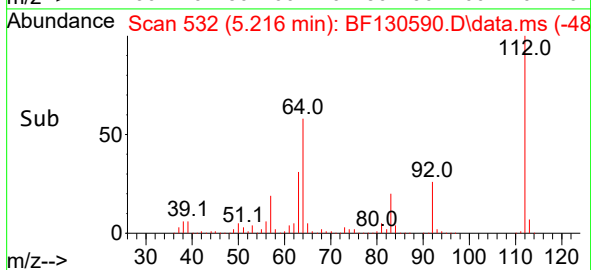
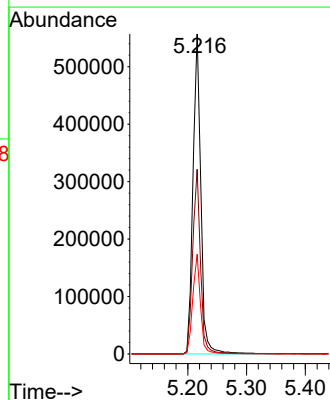
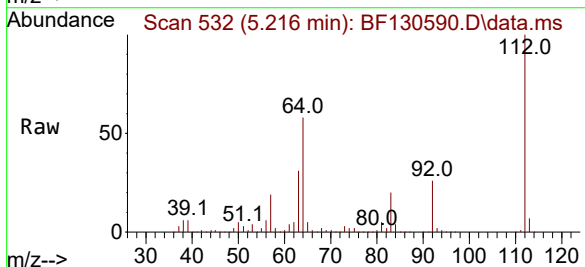
Instrument :
 BNA_F
 ClientSampleId :
 R-1

Tgt Ion:152 Resp: 73587
 Ion Ratio Lower Upper
 152 100
 150 157.4 122.8 184.2
 115 66.6 53.8 80.8



#5
 2-Fluorophenol
 Concen: 122.961 ng
 RT: 5.216 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: BF130590.D
 Acq: 07 Oct 2022 23:35

Tgt Ion:112 Resp: 521679
 Ion Ratio Lower Upper
 112 100
 64 57.7 51.4 77.0
 63 31.2 28.8 43.2

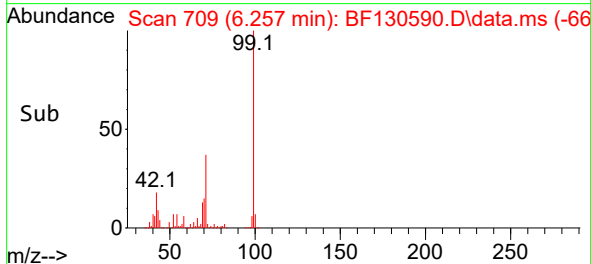
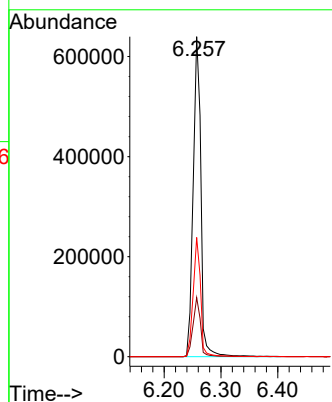
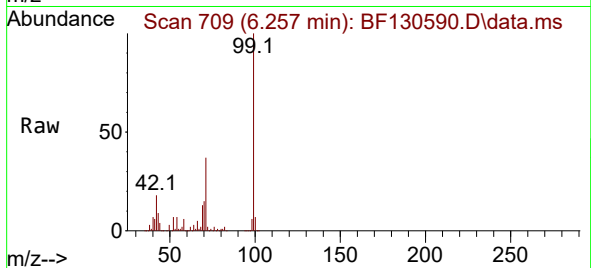




#7
Phenol-d6
Concen: 113.431 ng
RT: 6.257 min Scan# 709
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

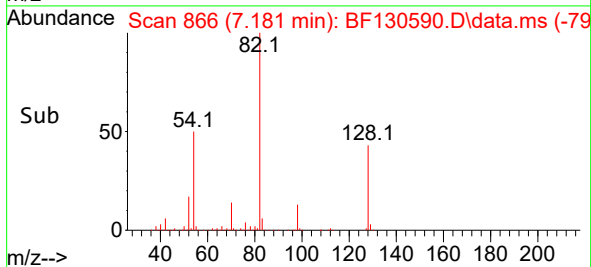
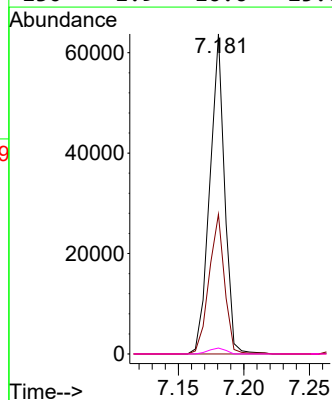
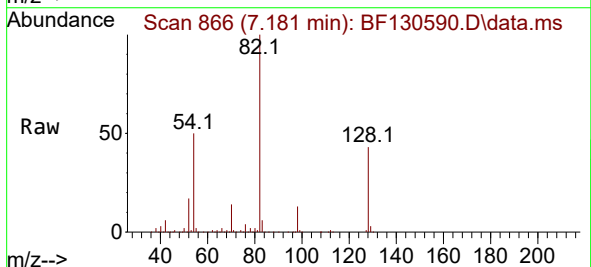
Instrument :
BNA_F
ClientSampleId :
R-1

Tgt Ion: 99 Resp: 602151
Ion Ratio Lower Upper
99 100
42 18.5 17.0 25.6
71 37.2 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.024 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion: 70 Resp: 50235
Ion Ratio Lower Upper
70 100
42 43.7 50.8 76.2#
101 0.0 8.2 12.4#
130 1.9 16.6 25.0#

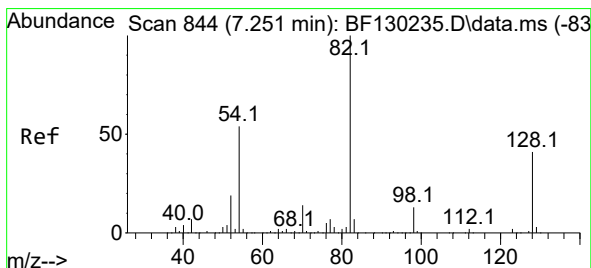
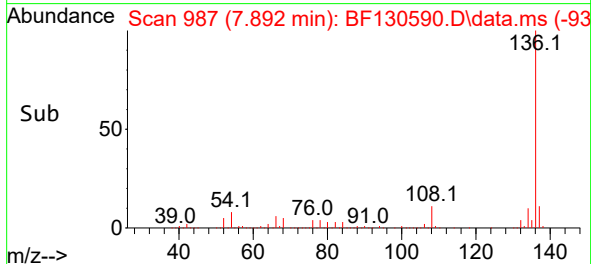
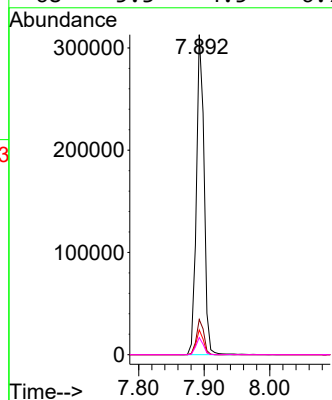
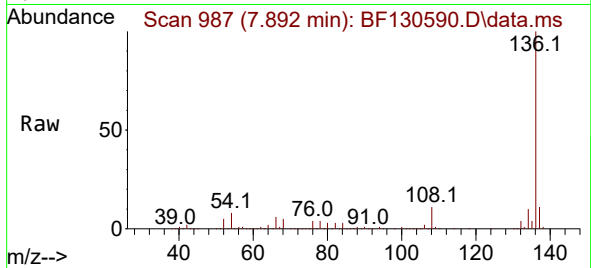




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

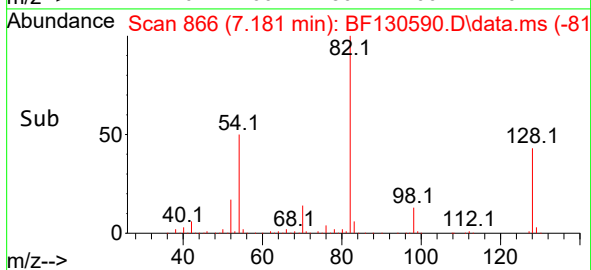
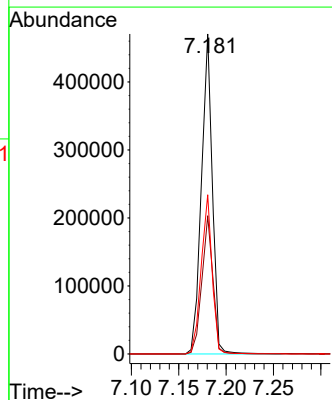
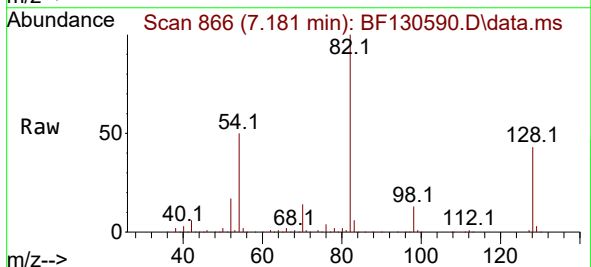
Instrument :
BNA_F
ClientSampleId :
R-1

Tgt Ion:136 Resp: 254374
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.8 7.1 10.7
68 5.3 4.5 6.7



#23
Nitrobenzene-d5
Concen: 76.008 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion: 82 Resp: 378450
Ion Ratio Lower Upper
82 100
128 43.2 32.6 49.0
54 49.7 43.8 65.6

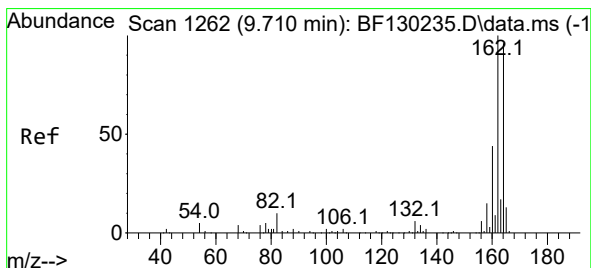
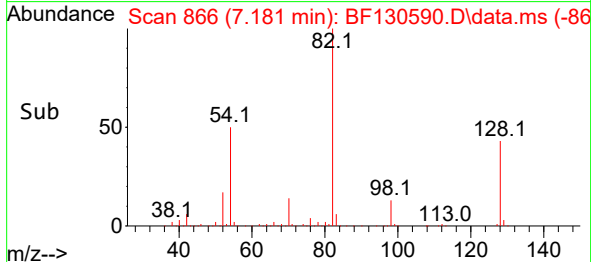
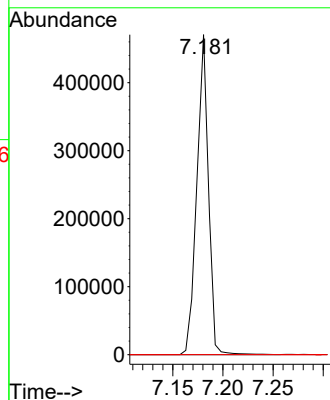
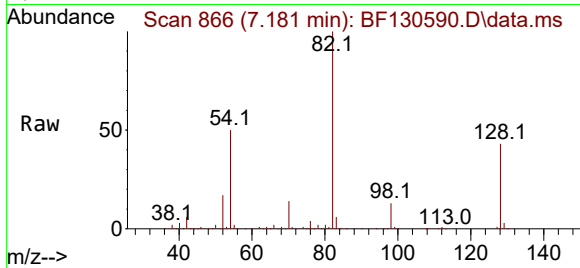




#25
Isophorone
Concen: 47.165 ng
RT: 7.181 min Scan# 80
Delta R.T. -0.271 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

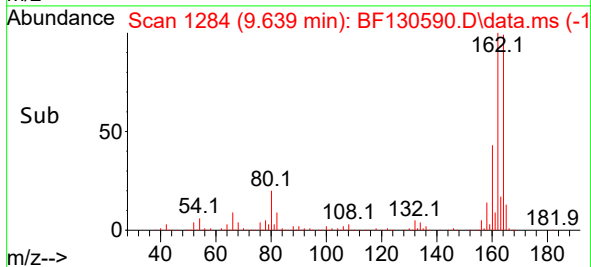
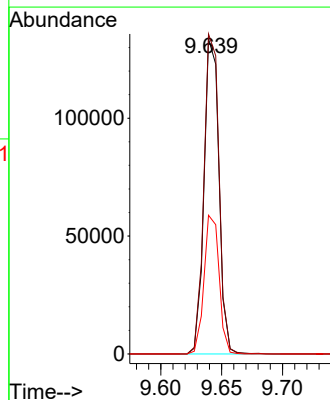
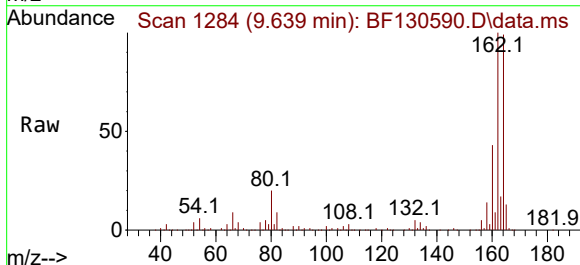
Instrument :
BNA_F
ClientSampleId :
R-1

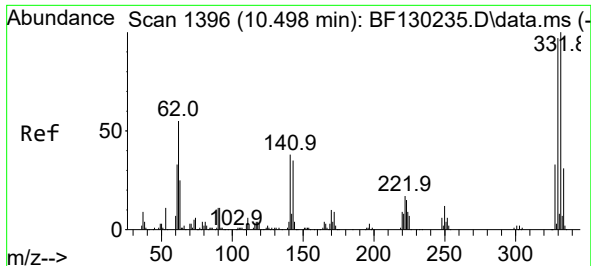
Tgt Ion: 82 Resp: 378506
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion: 164 Resp: 113366
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 44.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 140.264 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

Instrument :

BNA_F

ClientSampleId :

R-1

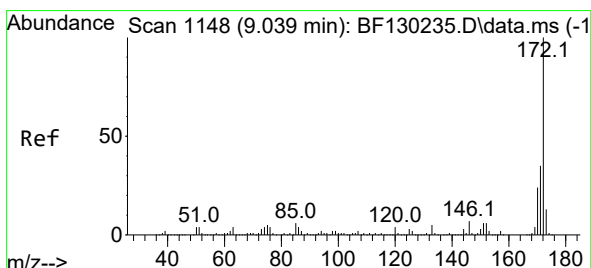
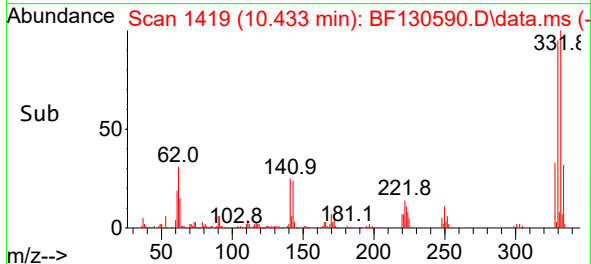
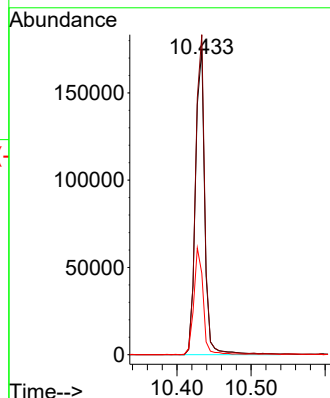
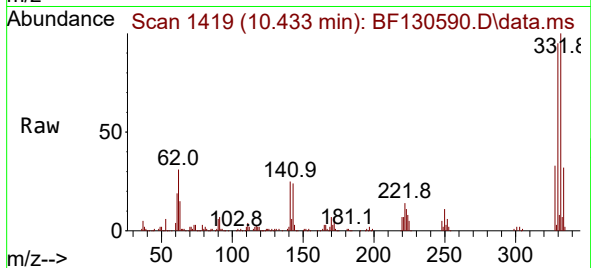
Tgt Ion:330 Resp: 152363

Ion Ratio Lower Upper

330 100

332 103.4 83.4 125.2

141 34.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 76.001 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.012 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

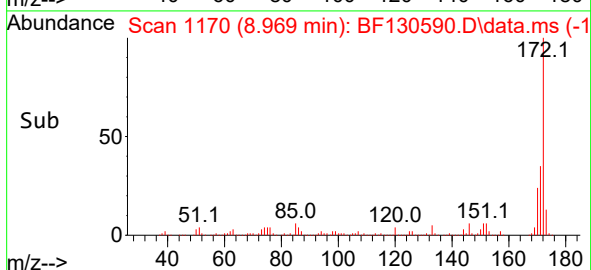
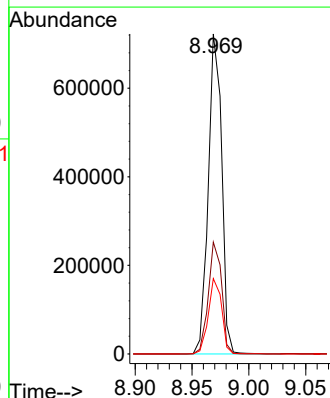
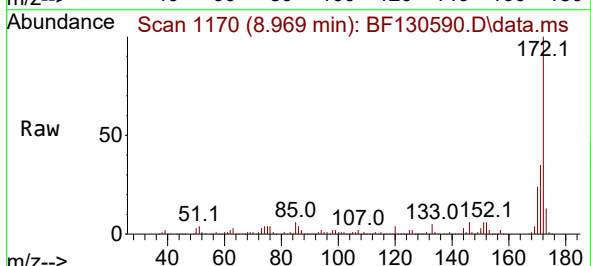
Tgt Ion:172 Resp: 591678

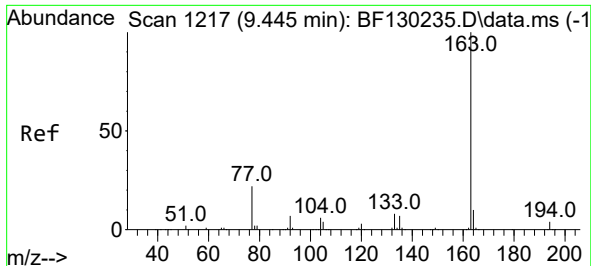
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.5 18.7 28.1

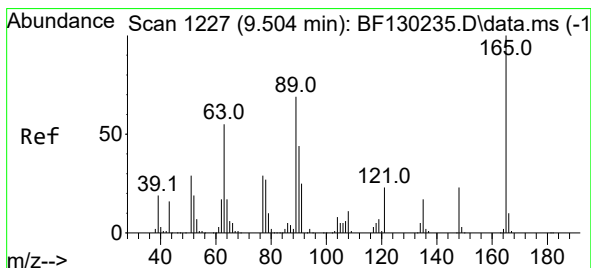
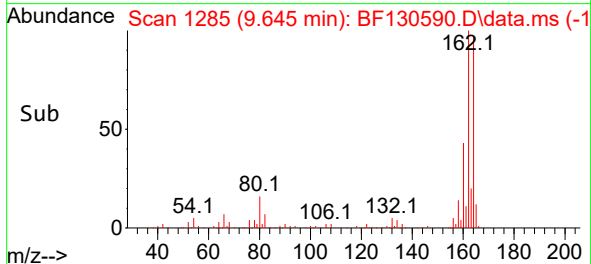
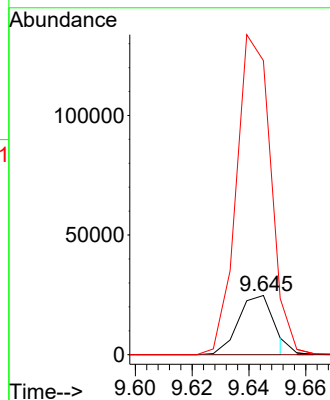
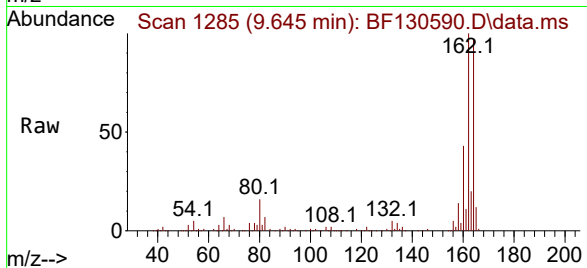




#50
Dimethylphthalate
Concen: 2.746 ng
RT: 9.645 min Scan# 1285
Delta R.T. 0.259 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

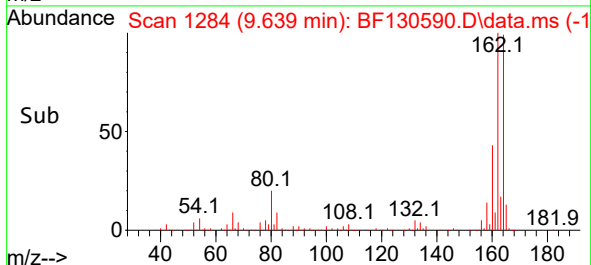
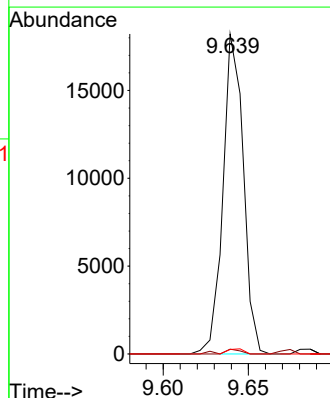
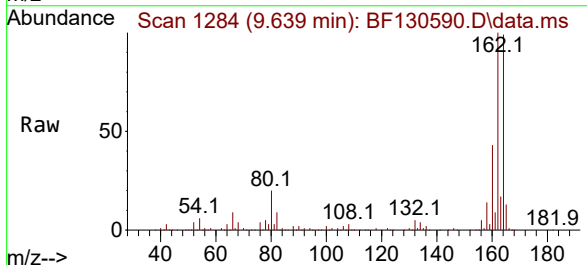
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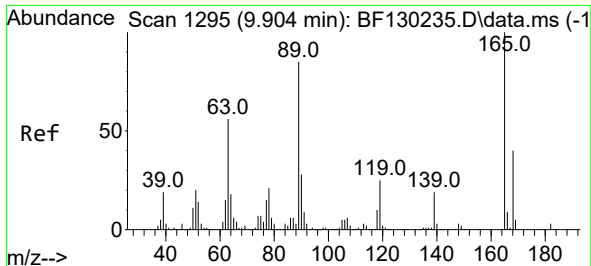
Tgt Ion:163 Resp: 21507
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 496.6 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.245 ng
RT: 9.639 min Scan# 1284
Delta R.T. 0.188 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion:165 Resp: 15140
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 1.4 54.5 81.7#

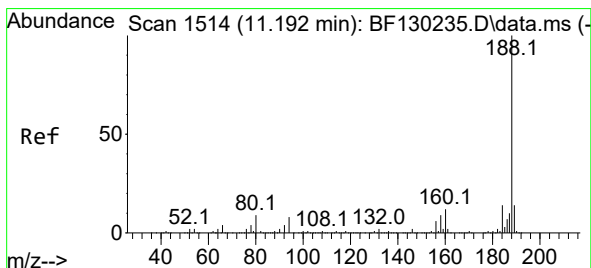
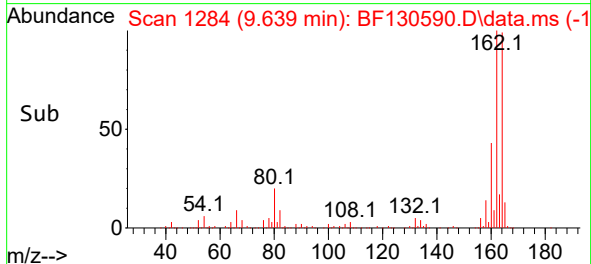
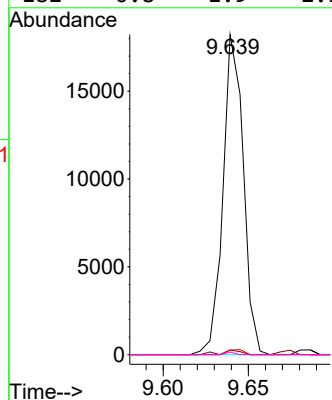
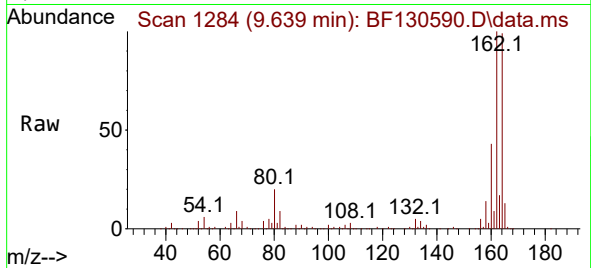




#57
2,4-Dinitrotoluene
Concen: 7.233 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

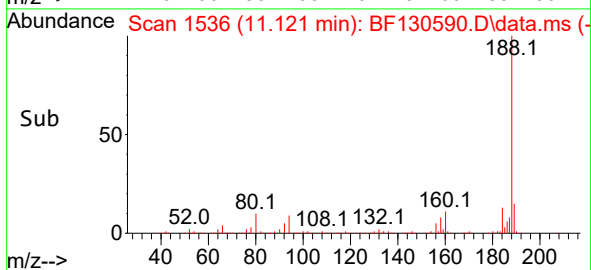
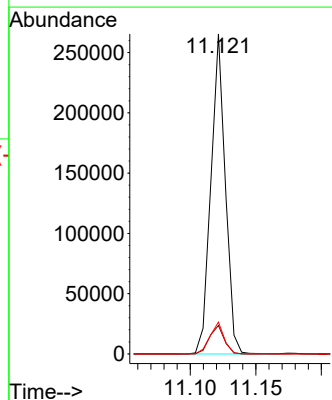
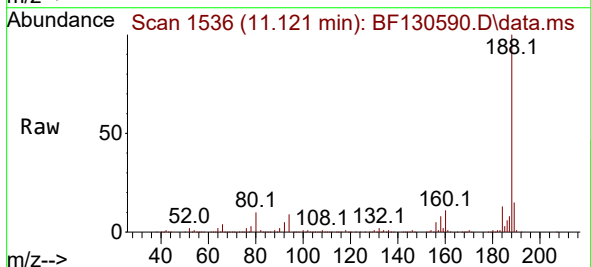
Instrument :
BNA_F
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R-1

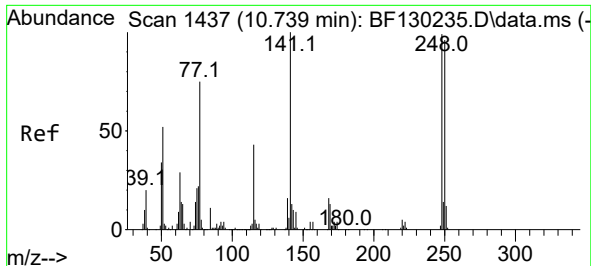
Tgt Ion:165 Resp: 15140
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.4 69.0 103.4#
182 0.8 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.121 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion:188 Resp: 203389
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 10.0 7.9 11.9

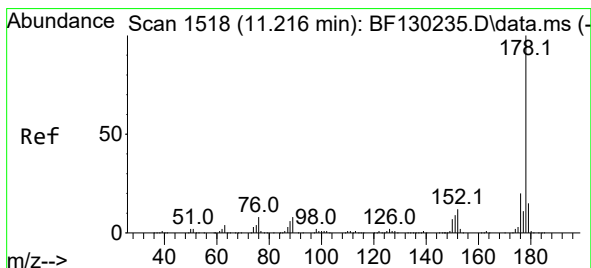
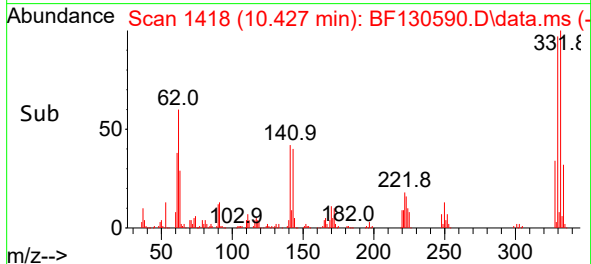
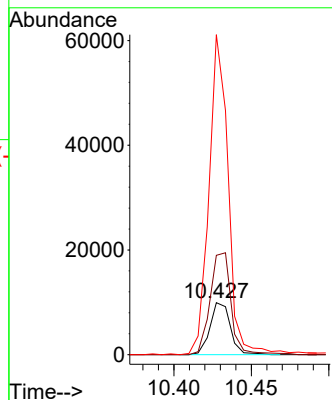
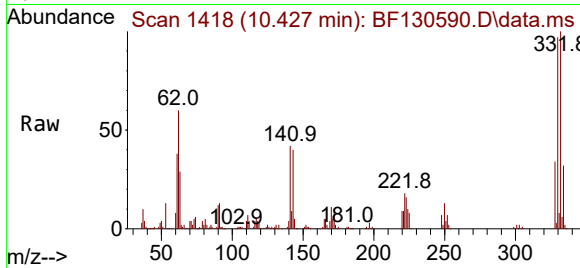




#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 10.427 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

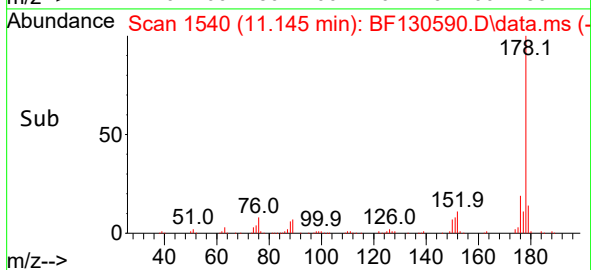
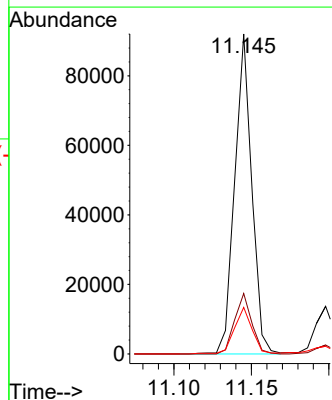
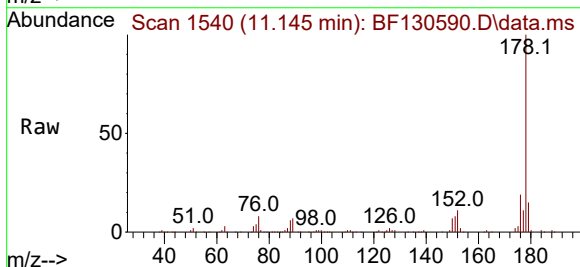
Instrument :
BNA_F
ClientSampleId :
R-1

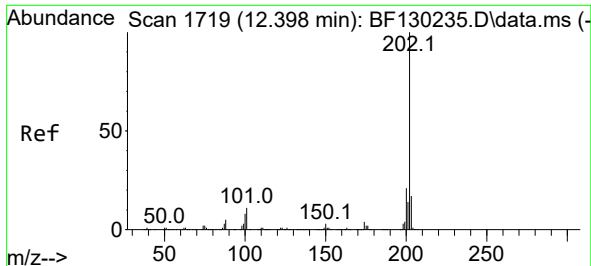
Tgt Ion:248 Resp: 9074
Ion Ratio Lower Upper
248 100
250 190.8 80.0 120.0#
141 614.9 68.5 102.7#



#71
Phenanthrene
Concen: 6.156 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion:178 Resp: 70295
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 14.6 12.4 18.6

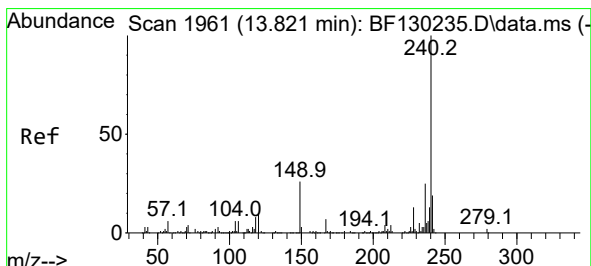
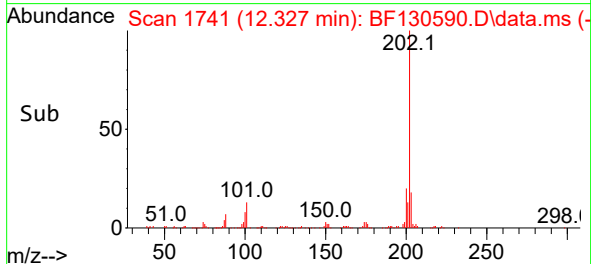
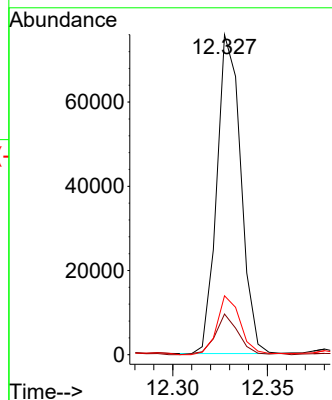
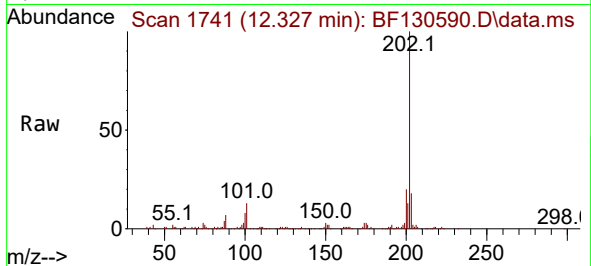




#75
Fluoranthene
Concen: 6.062 ng
RT: 12.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

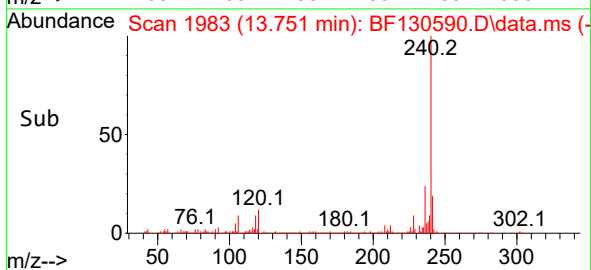
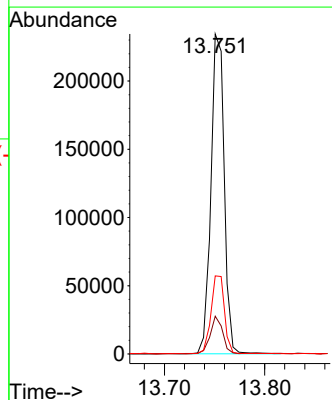
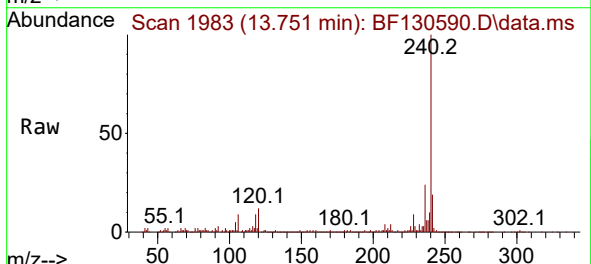
Instrument :
BNA_F
ClientSampleId :
R-1

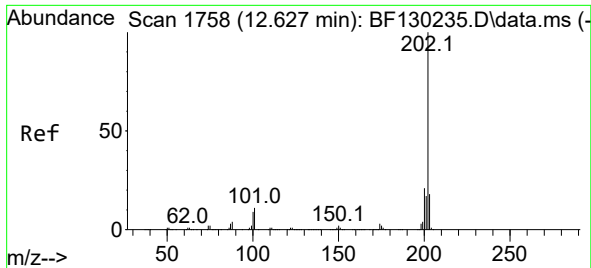
Tgt Ion:202 Resp: 66887
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.8
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.751 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion:240 Resp: 216356
Ion Ratio Lower Upper
240 100
120 11.8 8.7 13.1
236 24.4 20.9 31.3





#78

Pyrene

Concen: 5.040 ng

RT: 12.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

Instrument :

BNA_F

ClientSampleId :

R-1

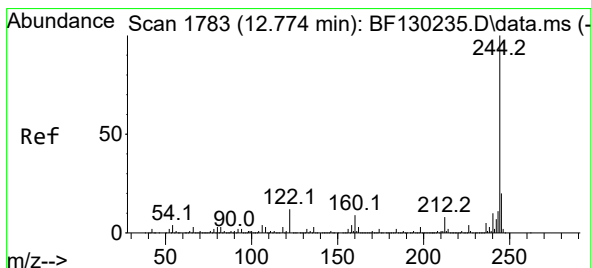
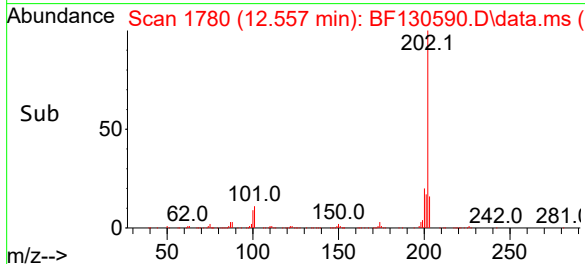
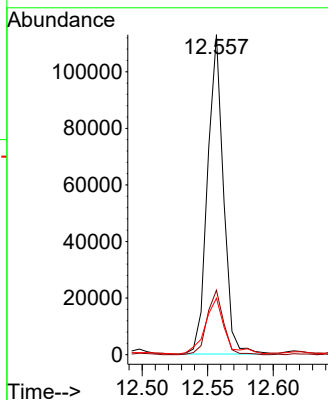
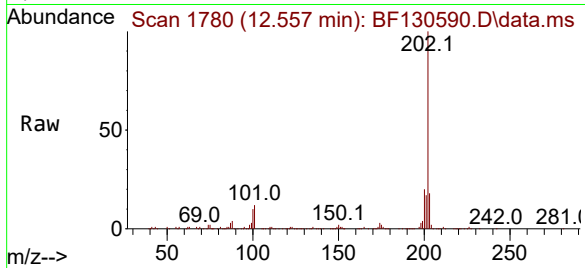
Tgt Ion:202 Resp: 95387

Ion Ratio Lower Upper

202 100

200 20.2 17.2 25.8

203 17.6 14.3 21.5



#79

Terphenyl-d14

Concen: 54.452 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

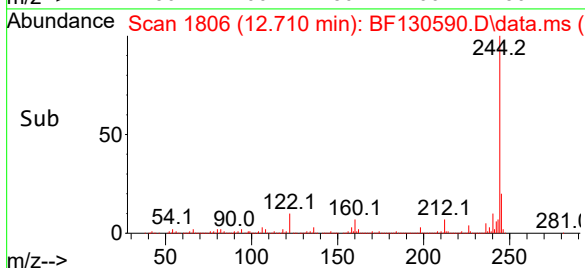
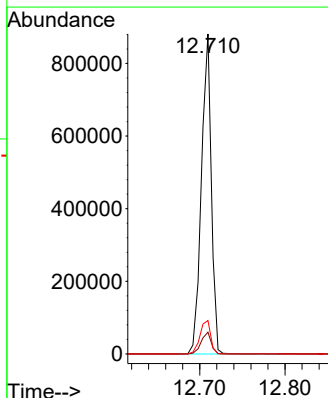
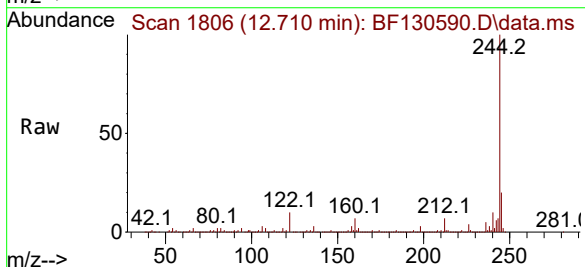
Tgt Ion:244 Resp: 711206

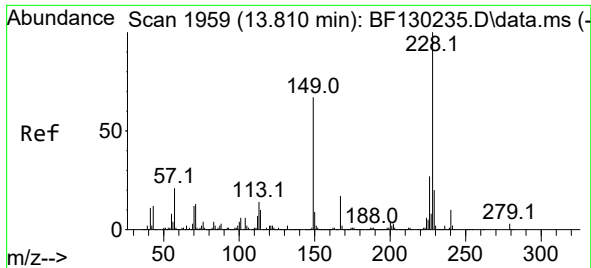
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.4 8.5 12.7

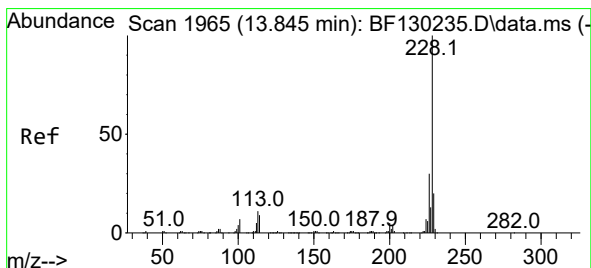
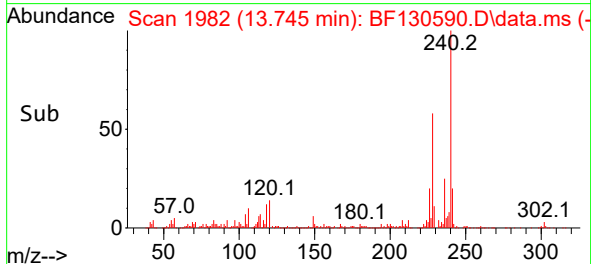
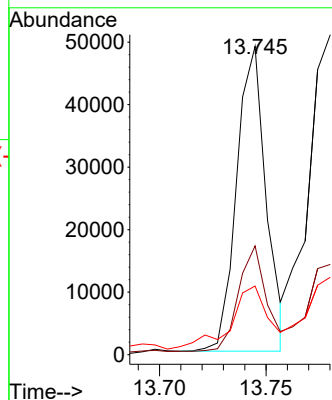
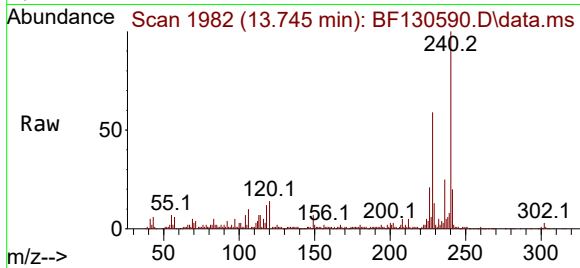




#81
Benzo(a)anthracene
Concen: 3.261 ng
RT: 13.745 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

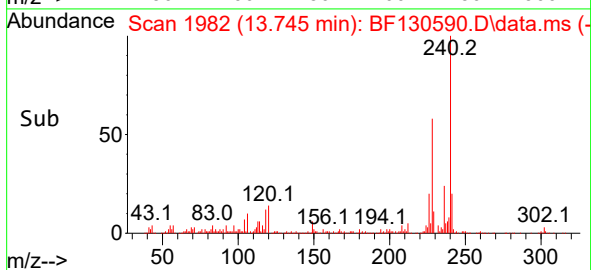
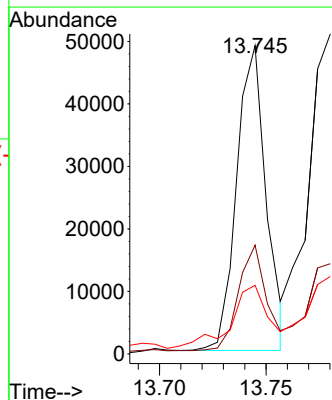
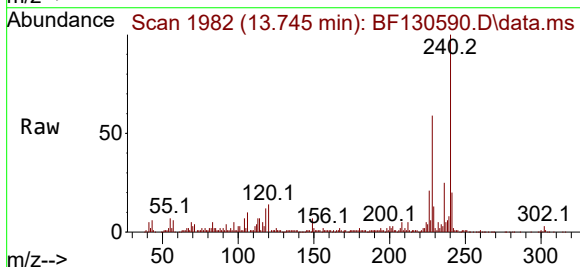
Instrument :
BNA_F
ClientSampleId :
R-1

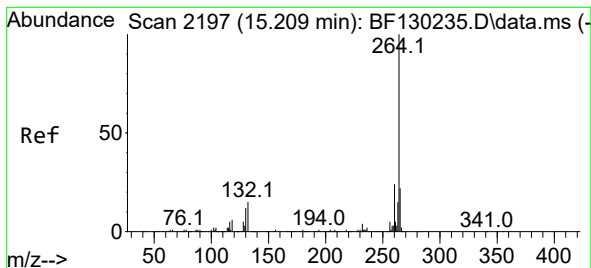
Tgt Ion:228 Resp: 46936
Ion Ratio Lower Upper
228 100
226 35.3 21.9 32.9#
229 22.3 16.1 24.1



#83
Chrysene
Concen: 3.434 ng
RT: 13.745 min Scan# 1982
Delta R.T. -0.041 min
Lab File: BF130590.D
Acq: 07 Oct 2022 23:35

Tgt Ion:228 Resp: 46936
Ion Ratio Lower Upper
228 100
226 35.3 23.8 35.8
229 22.3 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.139 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

Instrument :

BNA_F

ClientSampleId :

R-1

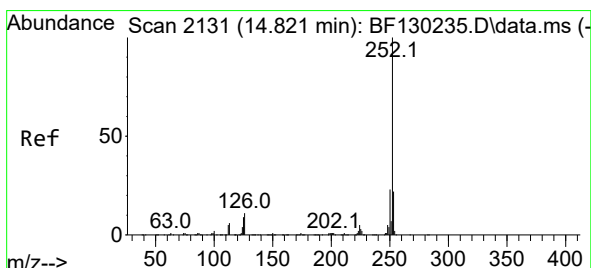
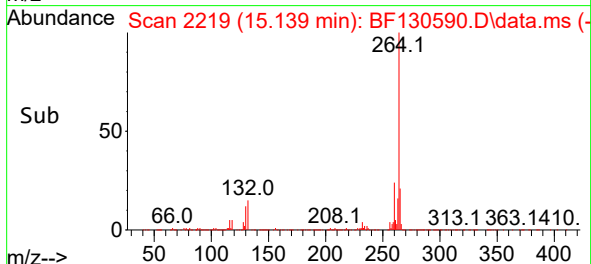
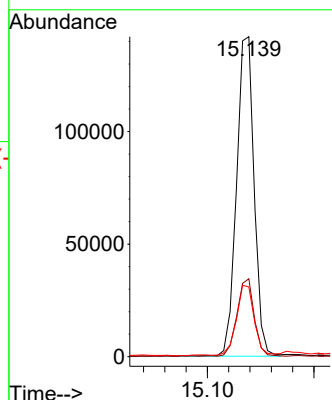
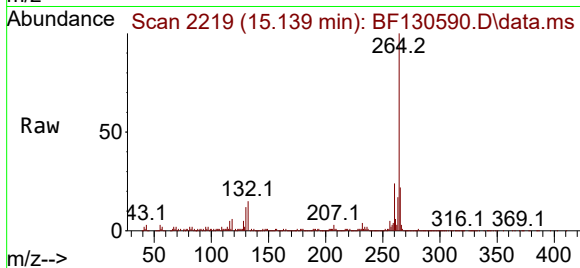
Tgt Ion:264 Resp: 163151

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 21.8 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 6.216 ng

RT: 14.751 min Scan# 2153

Delta R.T. -0.012 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

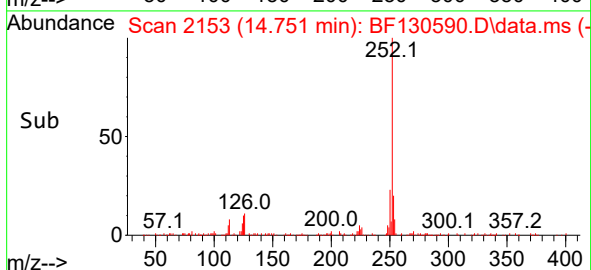
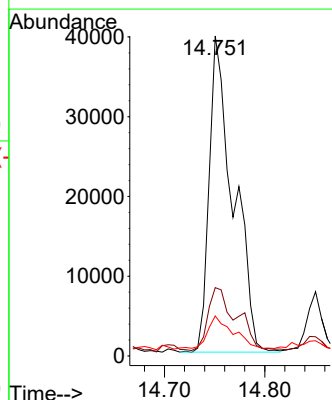
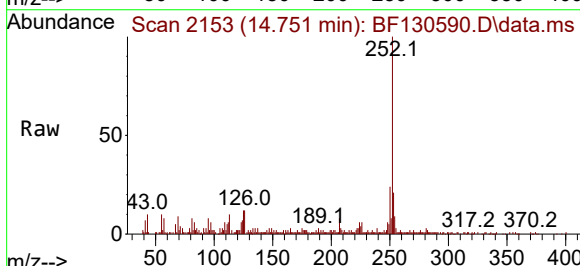
Tgt Ion:252 Resp: 66198

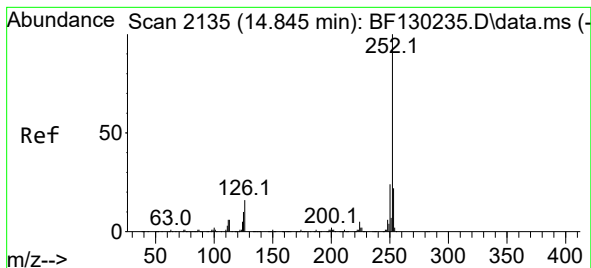
Ion Ratio Lower Upper

252 100

253 21.3 17.7 26.5

125 12.5 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 6.320 ng

RT: 14.751 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

Instrument :

BNA_F

ClientSampleId :

R-1

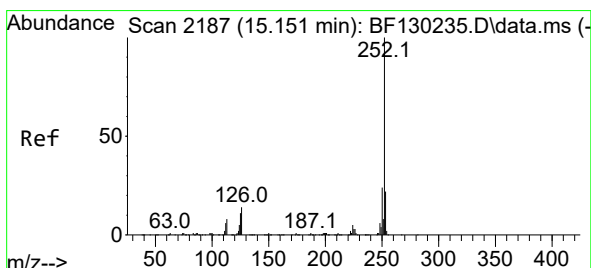
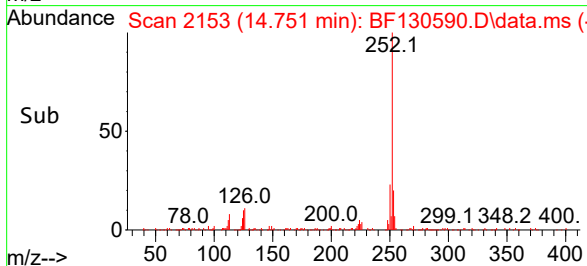
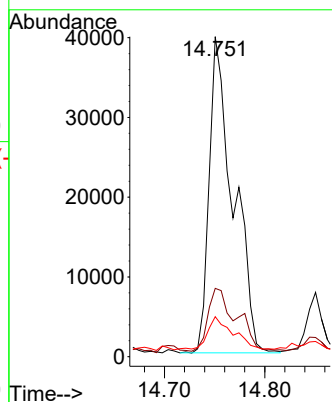
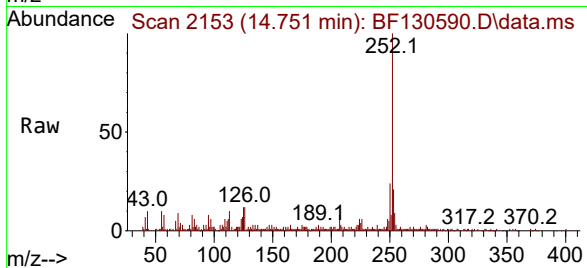
Tgt Ion:252 Resp: 66198

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.2

125 12.5 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 4.109 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF130590.D

Acq: 07 Oct 2022 23:35

Tgt Ion:252 Resp: 34664

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.6

125 11.0 9.0 13.6

