

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042221\
 Data File : BF123690.D
 Acq On : 22 Apr 2021 13:56
 Operator : JU/CG
 Sample : M2077-04DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0DL

Quant Time: Apr 22 14:31:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 15:49:40 2021
 Response via : Initial Calibration

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

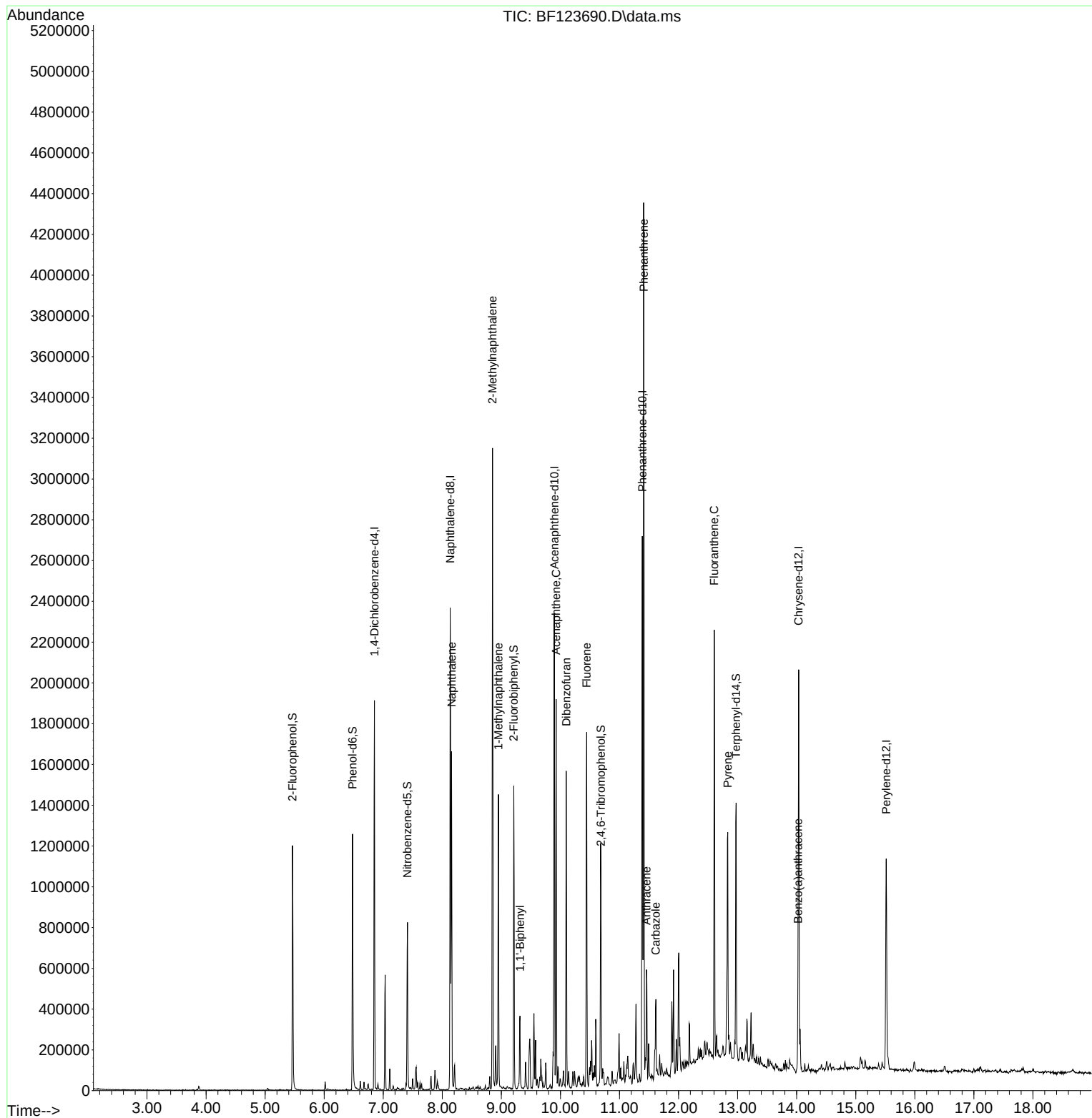
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	238541	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	929656	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	471561	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	924676	20.00	ng	0.00
76) Chrysene-d12	14.033	240	618611	20.00	ng	0.00
86) Perylene-d12	15.515	264	486832	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	277199	18.78	ng	0.00
7) Phenol-d6	6.481	99	351082	17.17	ng	-0.01
23) Nitrobenzene-d5	7.410	82	238199	11.78	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	93157	17.45	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	390711	12.35	ng	0.00
79) Terphenyl-d14	12.974	244	414542	13.02	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.157	128	581786	12.15	ng	98
37) 2-Methylnaphthalene	8.851	142	686520	21.86	ng	97
38) 1-Methylnaphthalene	8.951	142	325767	10.97	ng	99
46) 1,1'-Biphenyl	9.316	154	107210	2.90	ng	98
52) Acenaphthene	9.927	154	340995	11.70	ng	99
55) Dibenzofuran	10.098	168	502792	12.02	ng	98
58) Fluorene	10.445	166	461275	14.03	ng	99
71) Phenanthrene	11.410	178	1451910	30.09	ng	100
72) Anthracene	11.457	178	201067	4.17	ng	99
73) Carbazole	11.616	167	136223	2.83	ng	98
75) Fluoranthene	12.604	202	744251	14.03	ng	99
78) Pyrene	12.833	202	479439	10.62	ng	99
81) Benzo(a)anthracene	14.021	228	90362	2.38	ng	97

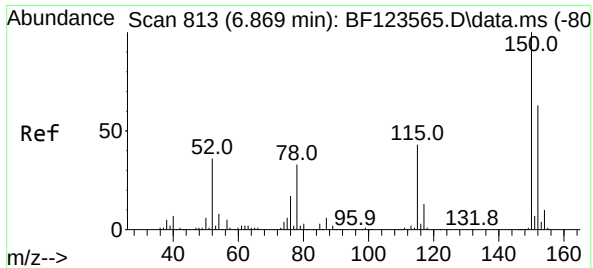
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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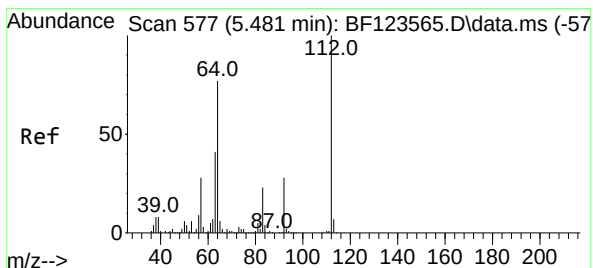
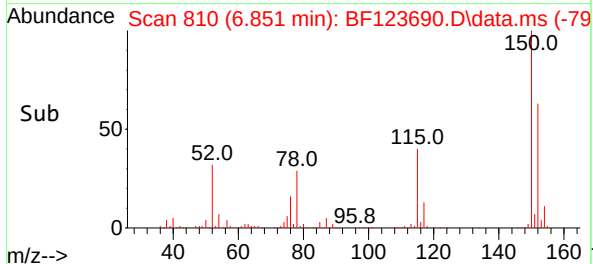
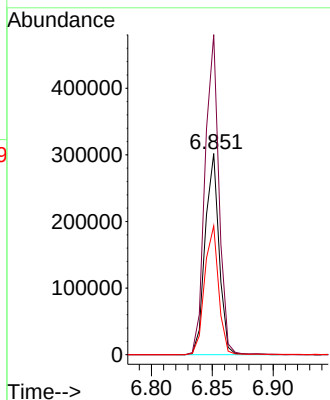
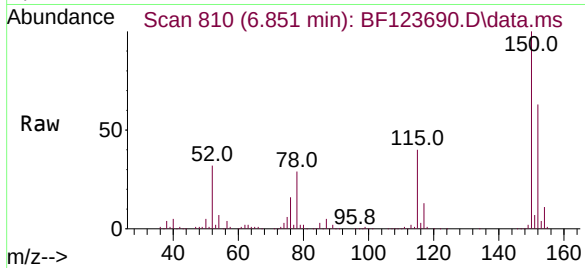




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

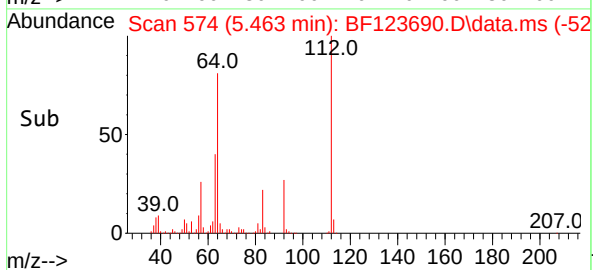
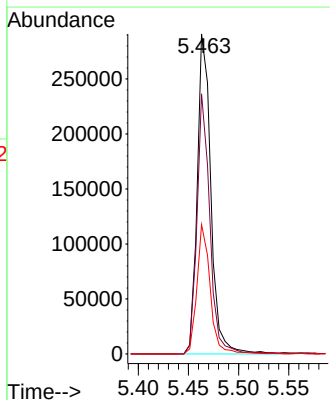
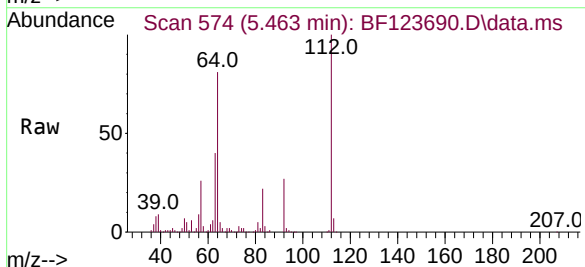
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

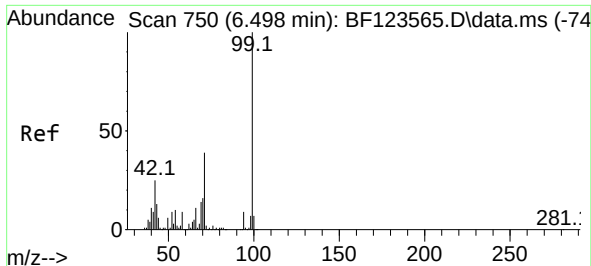
Tgt Ion:152 Resp: 238541
Ion Ratio Lower Upper
152 100
150 159.0 127.0 190.6
115 64.0 54.3 81.5



#5
2-Fluorophenol
Concen: 18.78 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:112 Resp: 277199
Ion Ratio Lower Upper
112 100
64 81.3 61.4 92.0
63 40.4 33.0 49.4

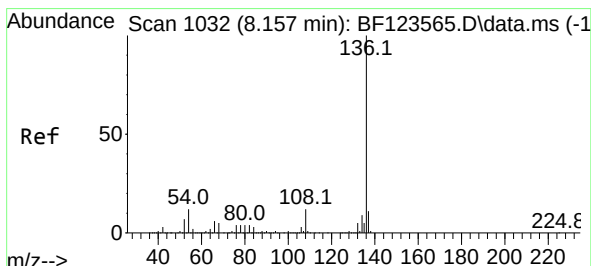
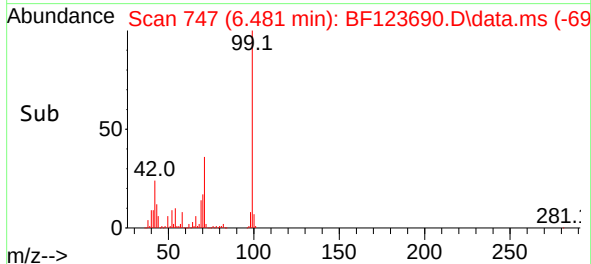
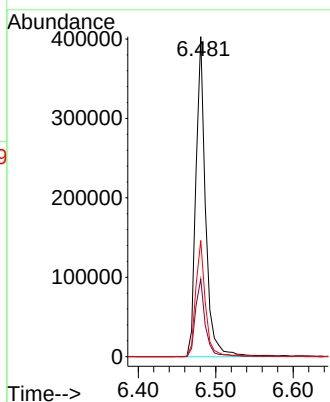
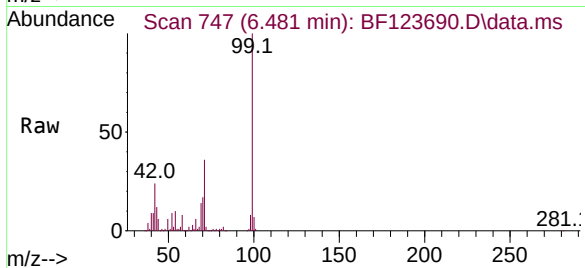




#7
Phenol-d6
Concen: 17.17 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

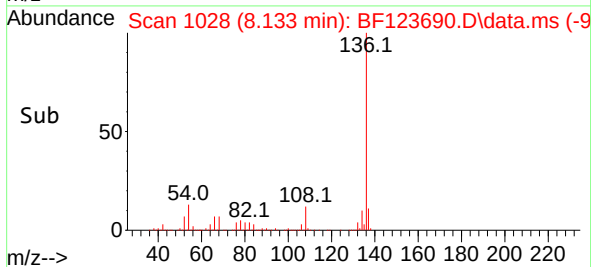
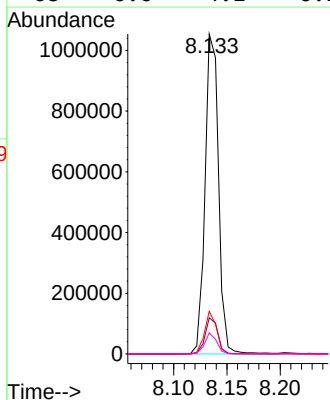
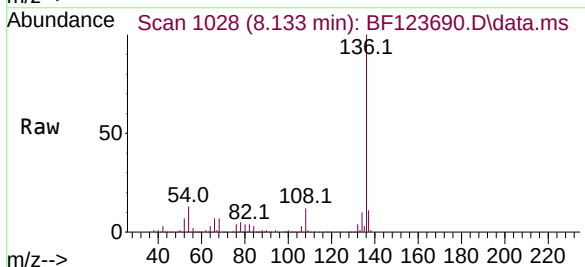
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

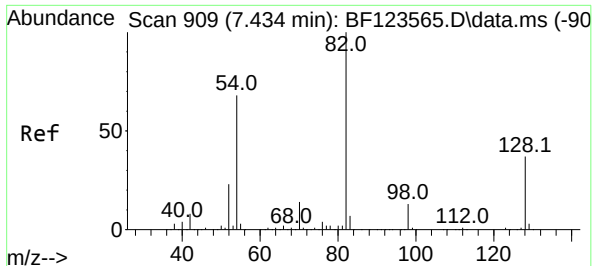
Tgt Ion: 99 Resp: 351082
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.8
71 36.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion: 136 Resp: 929656
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 13.3 9.8 14.6
68 6.6 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 11.78 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF123690.D

Acq: 22 Apr 2021 13:56

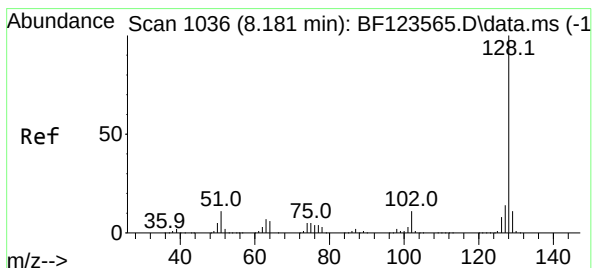
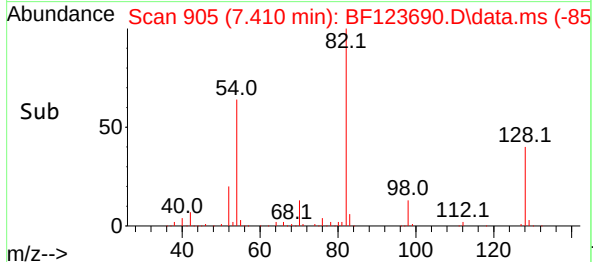
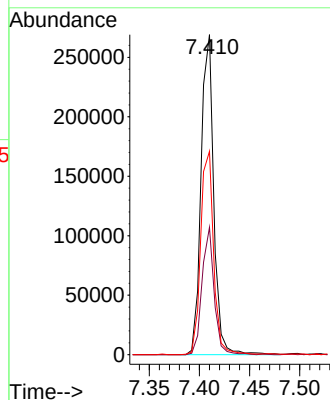
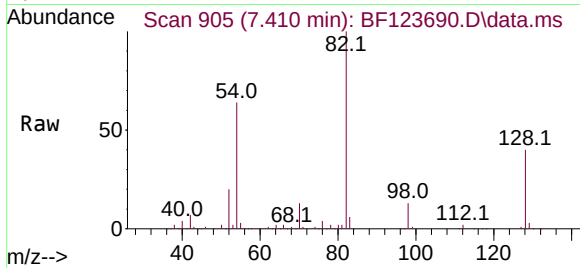
Tgt Ion: 82 Resp: 238199

Ion Ratio Lower Upper

82 100

128 39.8 29.4 44.2

54 63.6 54.1 81.1



#31

Naphthalene

Concen: 12.15 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF123690.D

Acq: 22 Apr 2021 13:56

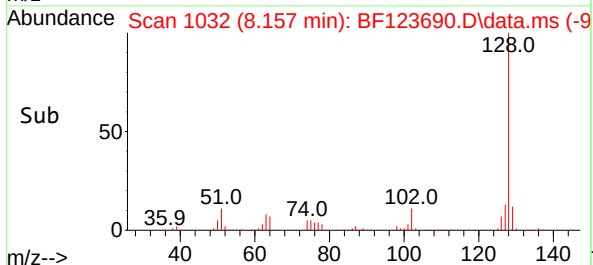
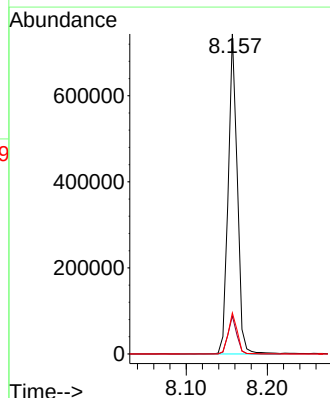
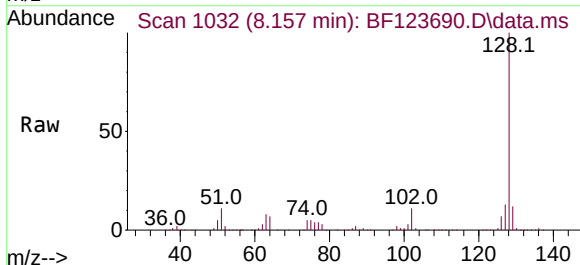
Tgt Ion: 128 Resp: 581786

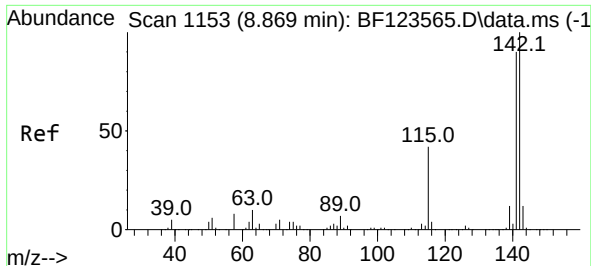
Ion Ratio Lower Upper

128 100

129 11.9 8.9 13.3

127 12.8 10.8 16.2

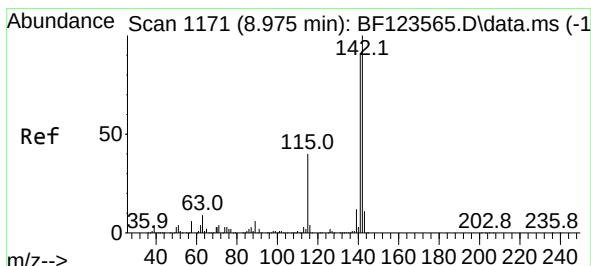
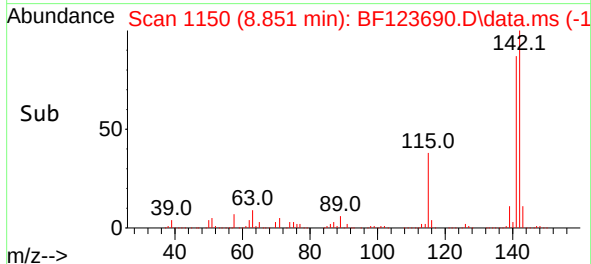
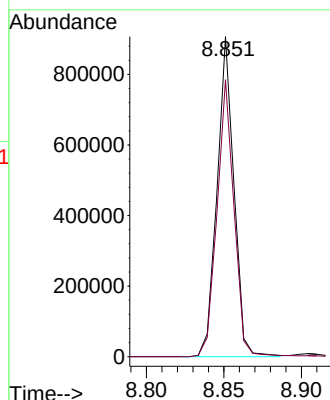
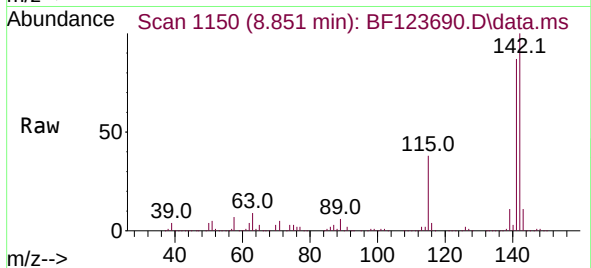




#37
2-Methylnaphthalene
Concen: 21.86 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

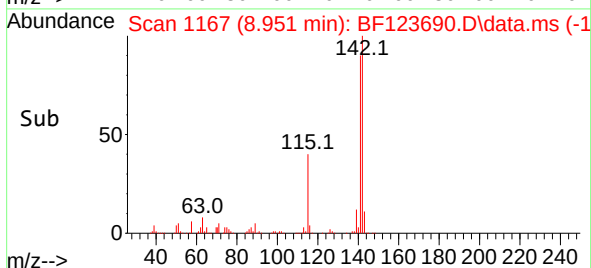
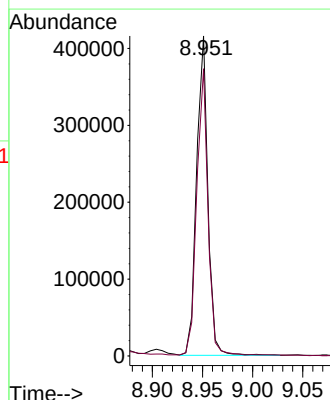
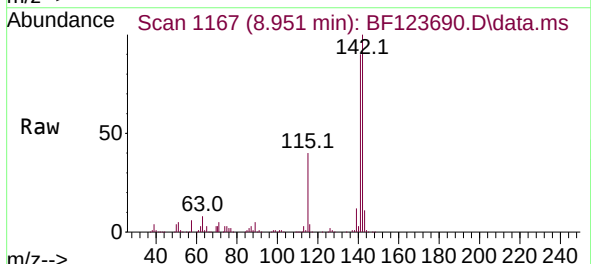
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

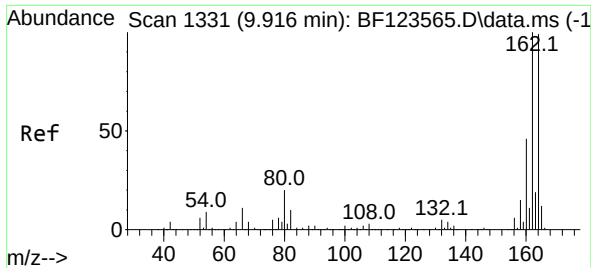
Tgt Ion:142 Resp: 686520
Ion Ratio Lower Upper
142 100
141 86.5 71.8 107.6



#38
1-Methylnaphthalene
Concen: 10.97 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:142 Resp: 325767
Ion Ratio Lower Upper
142 100
141 89.7 72.8 109.2

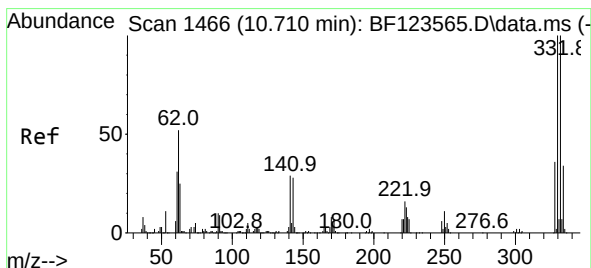
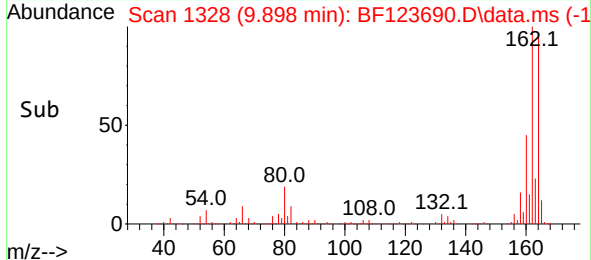
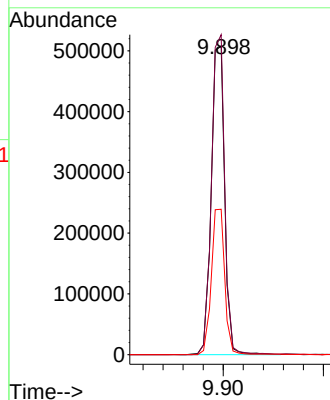
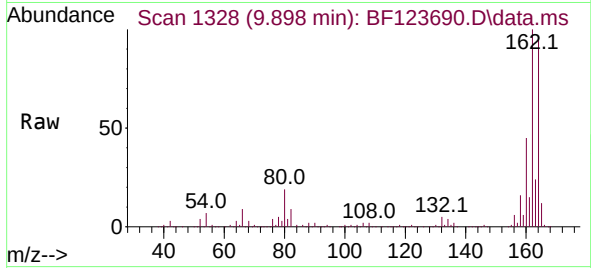




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

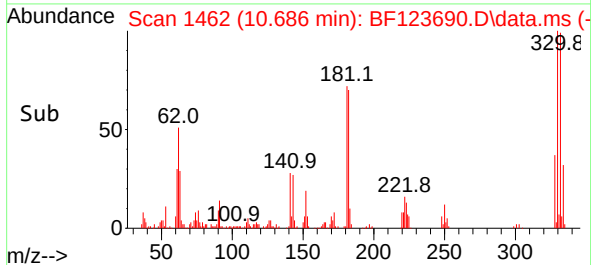
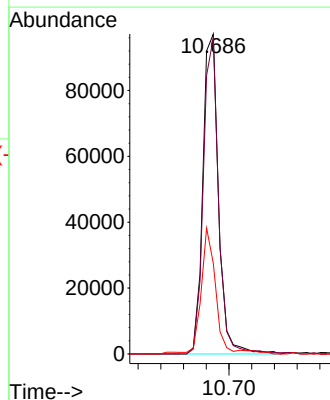
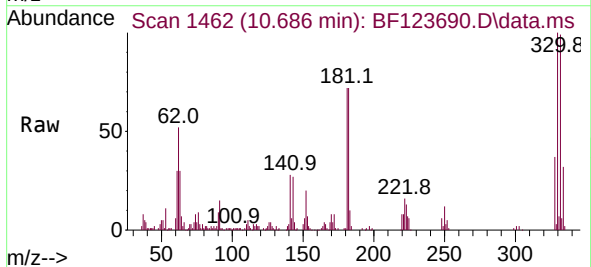
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BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

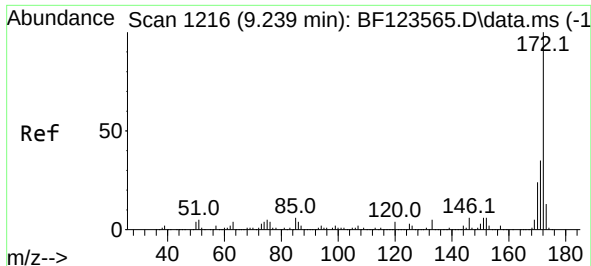
Tgt Ion:164 Resp: 471561
Ion Ratio Lower Upper
164 100
162 103.9 80.7 121.1
160 47.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 17.45 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:330 Resp: 93157
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 37.2 27.9 41.9





#45

2-Fluorobiphenyl

Concen: 12.35 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF123690.D

Acq: 22 Apr 2021 13:56

Instrument :

BNA_F

ClientSampleId :

SB-20-14.5-15.0DL

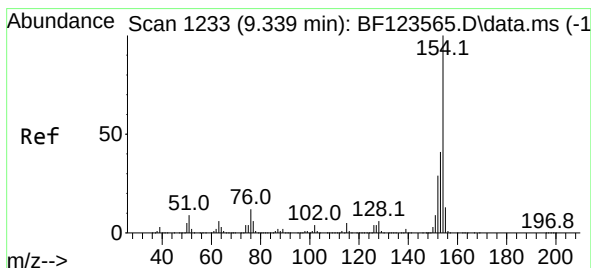
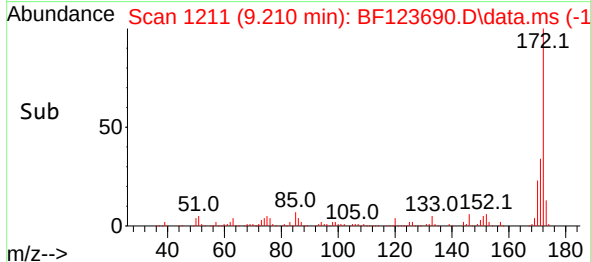
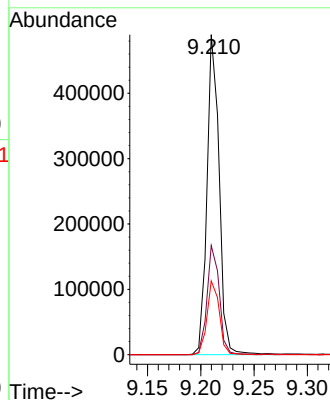
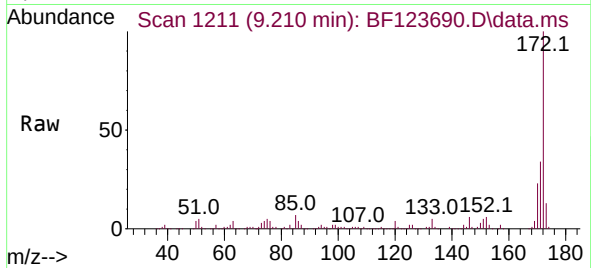
Tgt Ion:172 Resp: 390711

Ion Ratio Lower Upper

172 100

171 34.1 28.1 42.1

170 23.0 19.2 28.8



#46

1,1'-Biphenyl

Concen: 2.90 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF123690.D

Acq: 22 Apr 2021 13:56

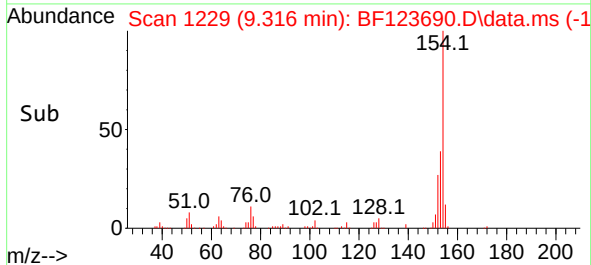
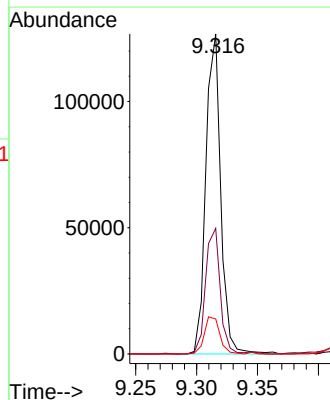
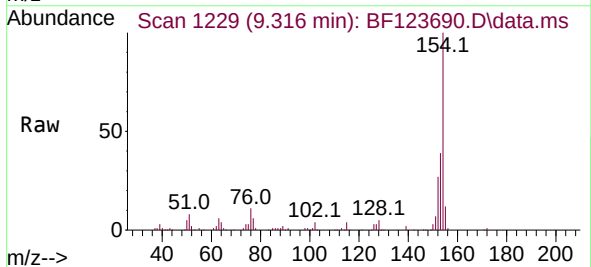
Tgt Ion:154 Resp: 107210

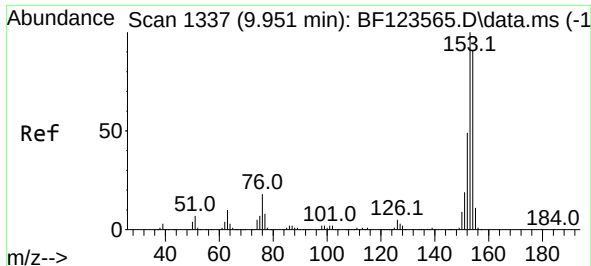
Ion Ratio Lower Upper

154 100

153 39.2 20.7 60.7

76 11.0 0.0 31.7

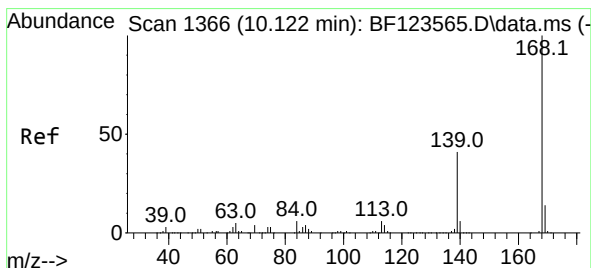
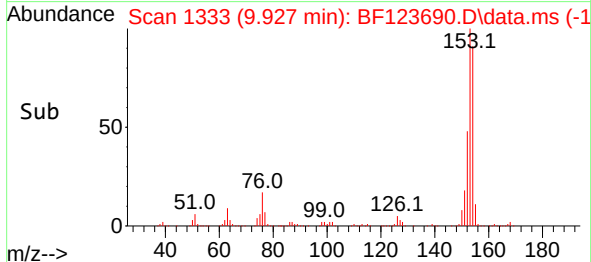
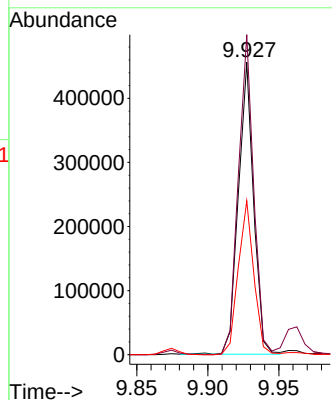
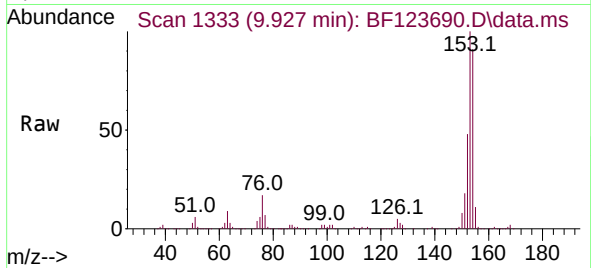




#52
Acenaphthene
Concen: 11.70 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

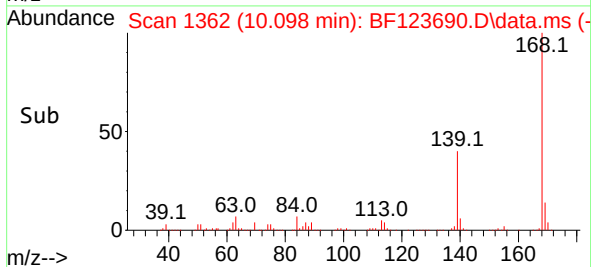
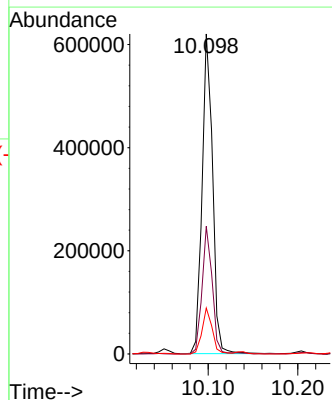
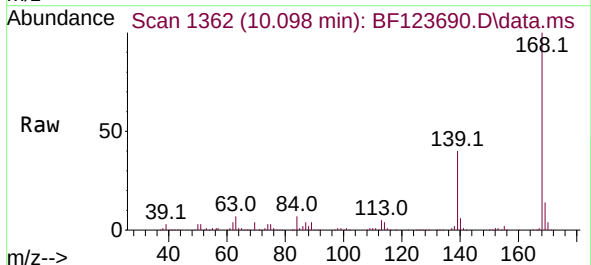
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

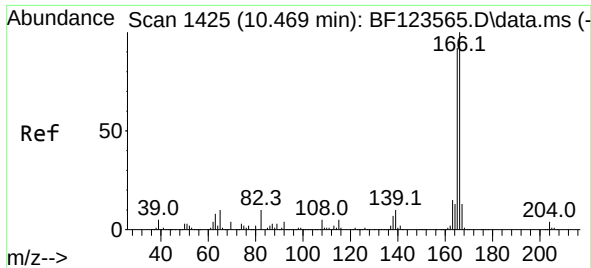
Tgt Ion:154 Resp: 340995
Ion Ratio Lower Upper
154 100
153 109.4 88.1 132.1
152 52.6 43.4 65.0



#55
Dibenzofuran
Concen: 12.02 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:168 Resp: 502792
Ion Ratio Lower Upper
168 100
139 39.9 33.2 49.8
169 14.3 10.8 16.2

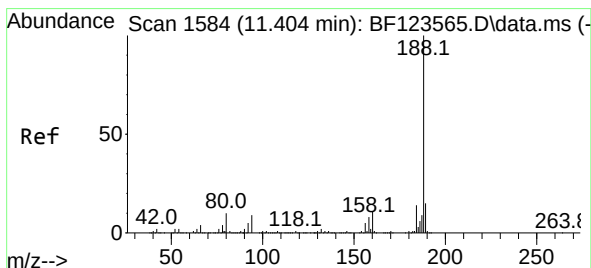
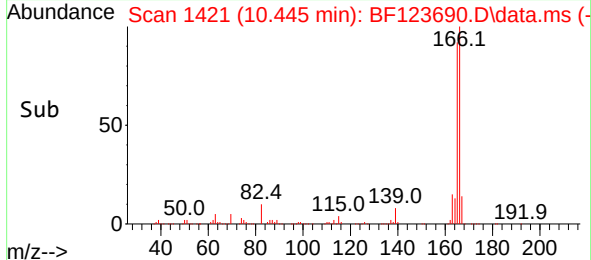
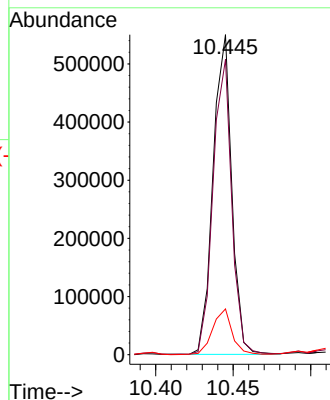
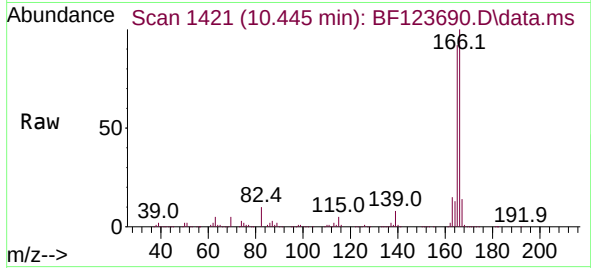




#58
Fluorene
Concen: 14.03 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

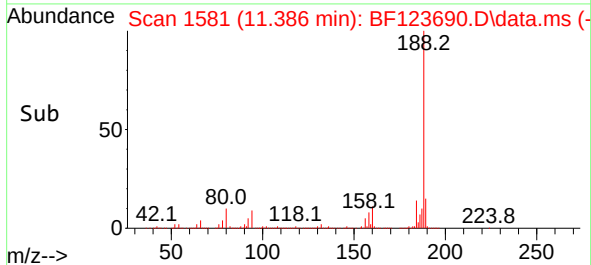
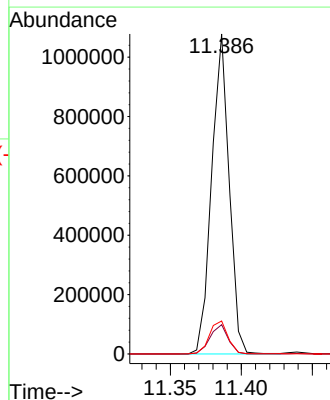
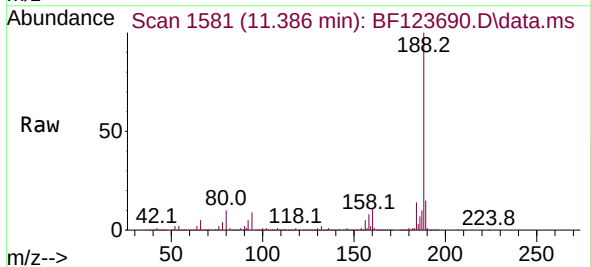
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

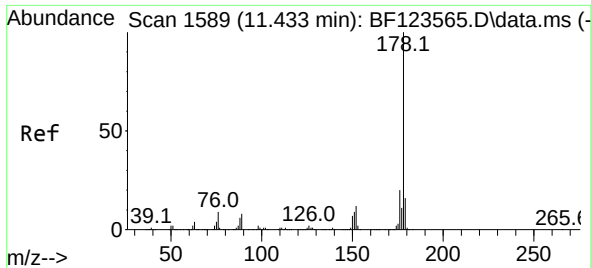
Tgt Ion:166 Resp: 461275
Ion Ratio Lower Upper
166 100
165 92.2 73.5 110.3
167 14.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:188 Resp: 924676
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.3 8.2 12.2

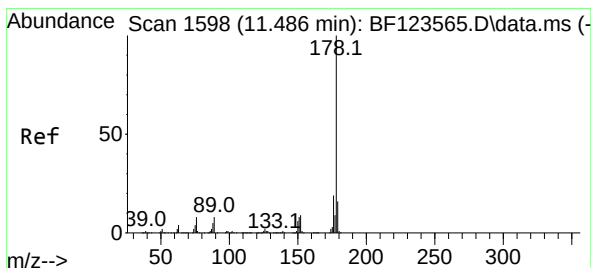
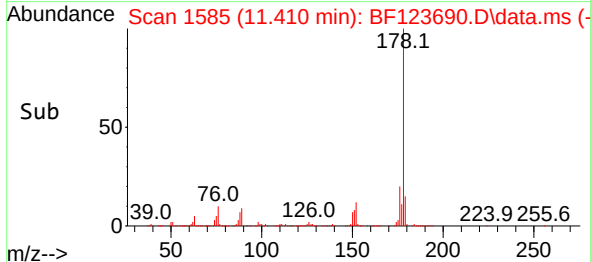
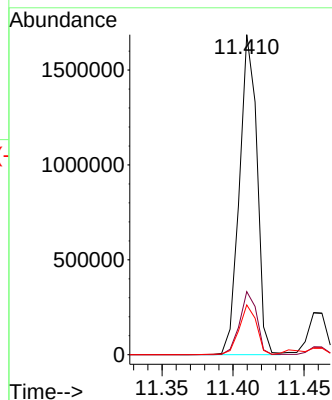
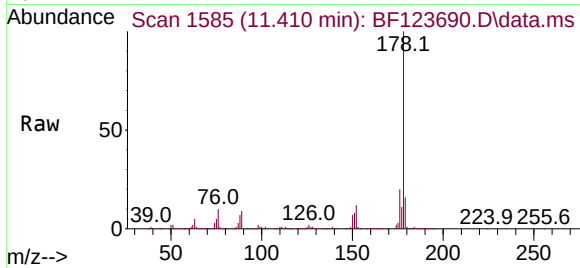




#71
Phenanthrene
Concen: 30.09 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

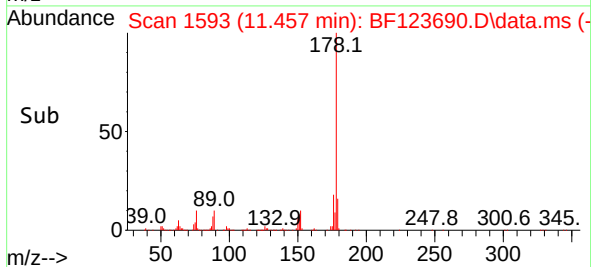
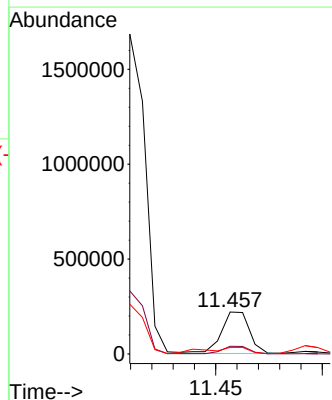
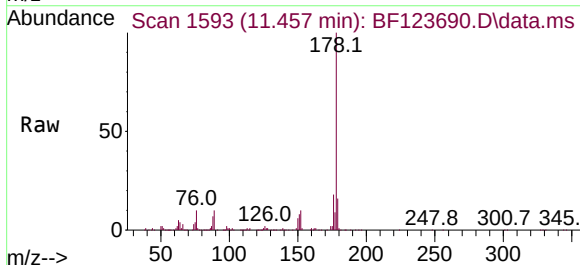
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

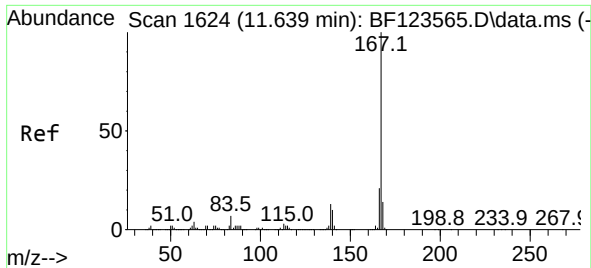
Tgt Ion:178 Resp: 1451910
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 4.17 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:178 Resp: 201067
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.7 12.6 18.8

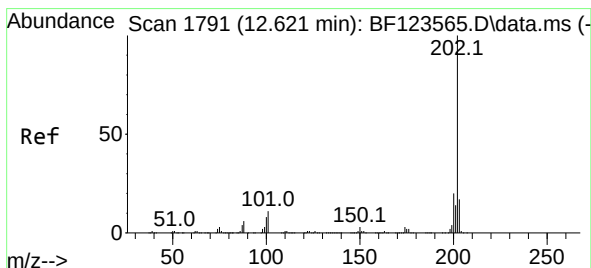
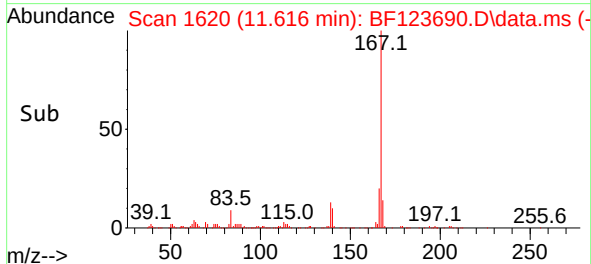
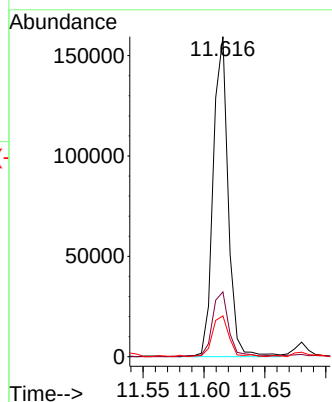
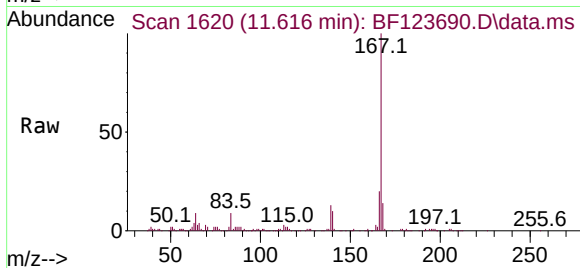




#73
 Carbazole
 Concen: 2.83 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.000 min
 Lab File: BF123690.D
 Acq: 22 Apr 2021 13:56

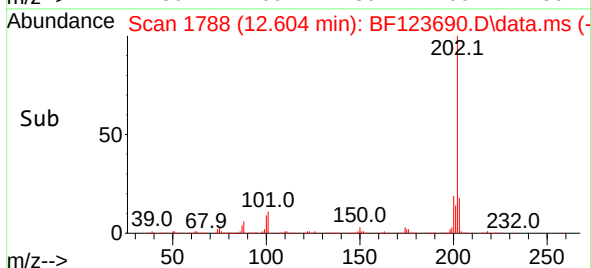
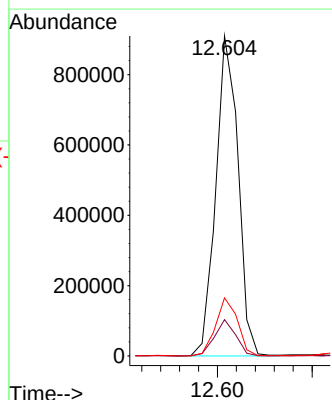
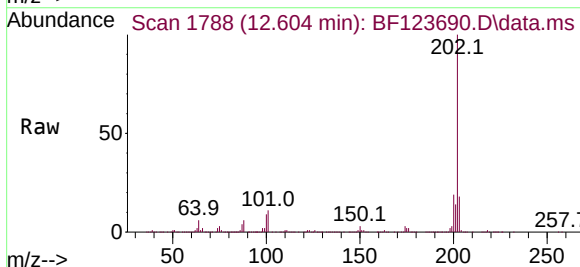
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0DL

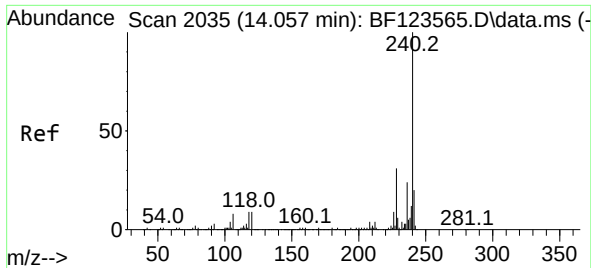
Tgt Ion:167	Resp: 136223
Ion Ratio	Lower Upper
167 100	
166 20.3	17.0 25.6
139 12.8	10.4 15.6



#75
 Fluoranthene
 Concen: 14.03 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BF123690.D
 Acq: 22 Apr 2021 13:56

Tgt	Ion:202	Resp:	744251
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.9
203	18.2	0.0	37.5

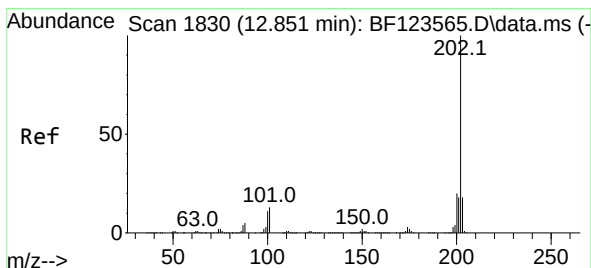
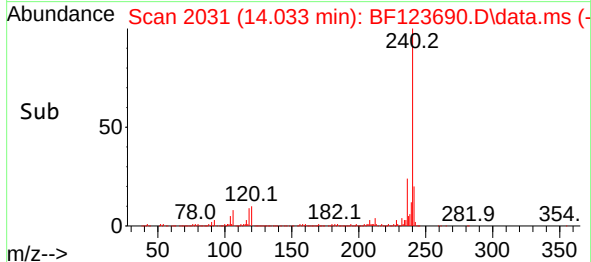
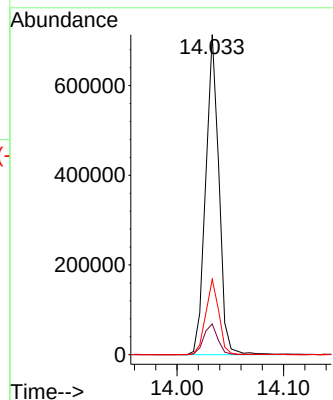
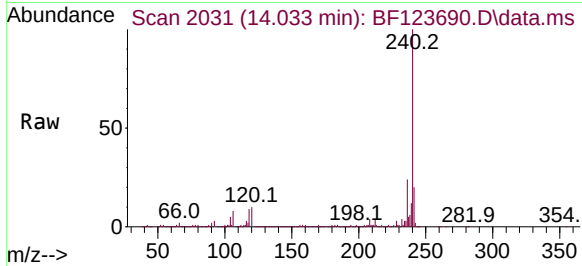




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

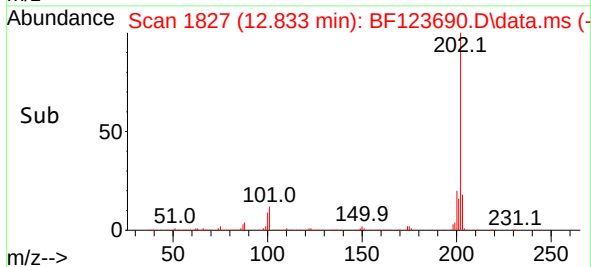
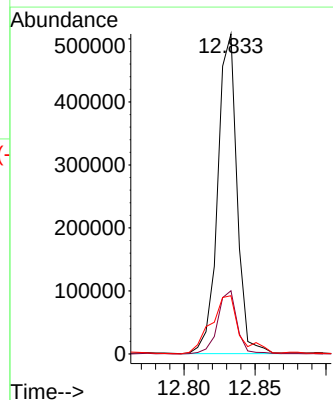
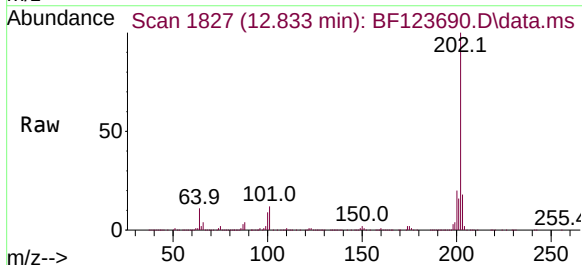
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

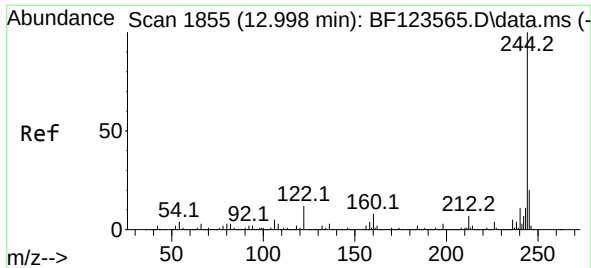
Tgt Ion:240 Resp: 618611
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 23.5 19.0 28.4



#78
Pyrene
Concen: 10.62 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Tgt Ion:202 Resp: 479439
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 18.2 14.8 22.2

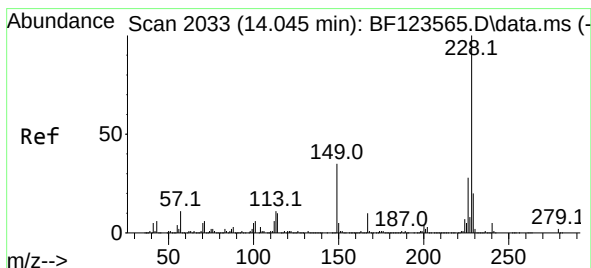
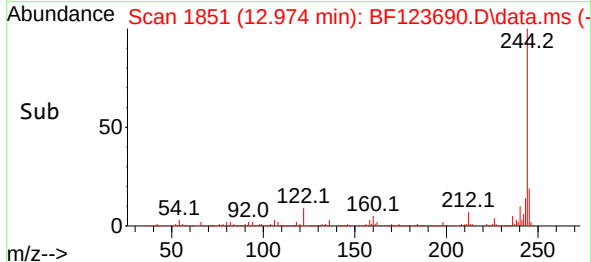
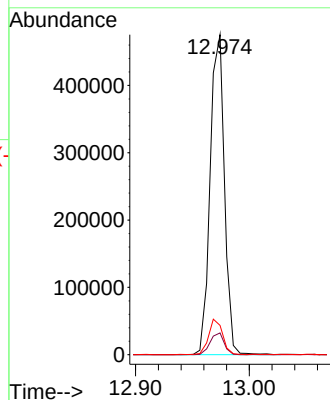
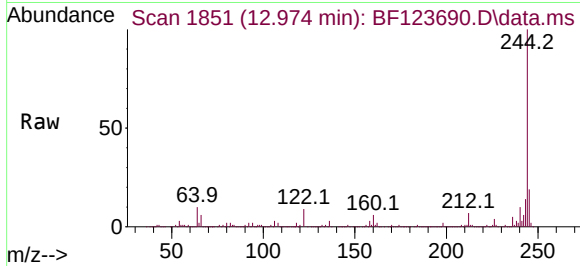




#79
 Terphenyl-d14
 Concen: 13.02 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF123690.D
 Acq: 22 Apr 2021 13:56

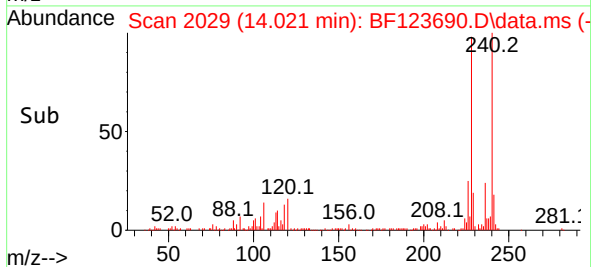
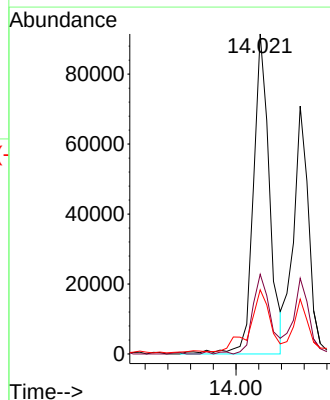
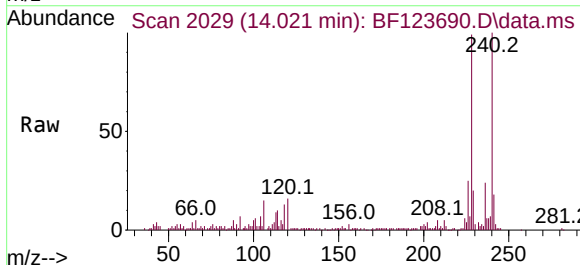
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0DL

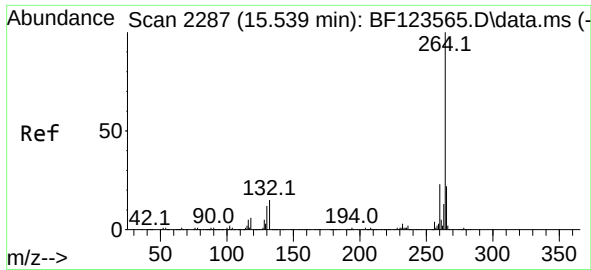
Tgt Ion:244 Resp: 414542
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.2 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 2.38 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: BF123690.D
 Acq: 22 Apr 2021 13:56

Tgt Ion:228 Resp: 90362
 Ion Ratio Lower Upper
 228 100
 226 24.9 22.4 33.6
 229 20.0 16.0 24.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF123690.D
Acq: 22 Apr 2021 13:56

Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0DL

Tgt Ion:264 Resp: 486832
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 21.1 17.8 26.8

