

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123635.D
 Acq On : 19 Apr 2021 22:06
 Operator : JU/CG
 Sample : M2034-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1979

Quant Time: Apr 20 03:05:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

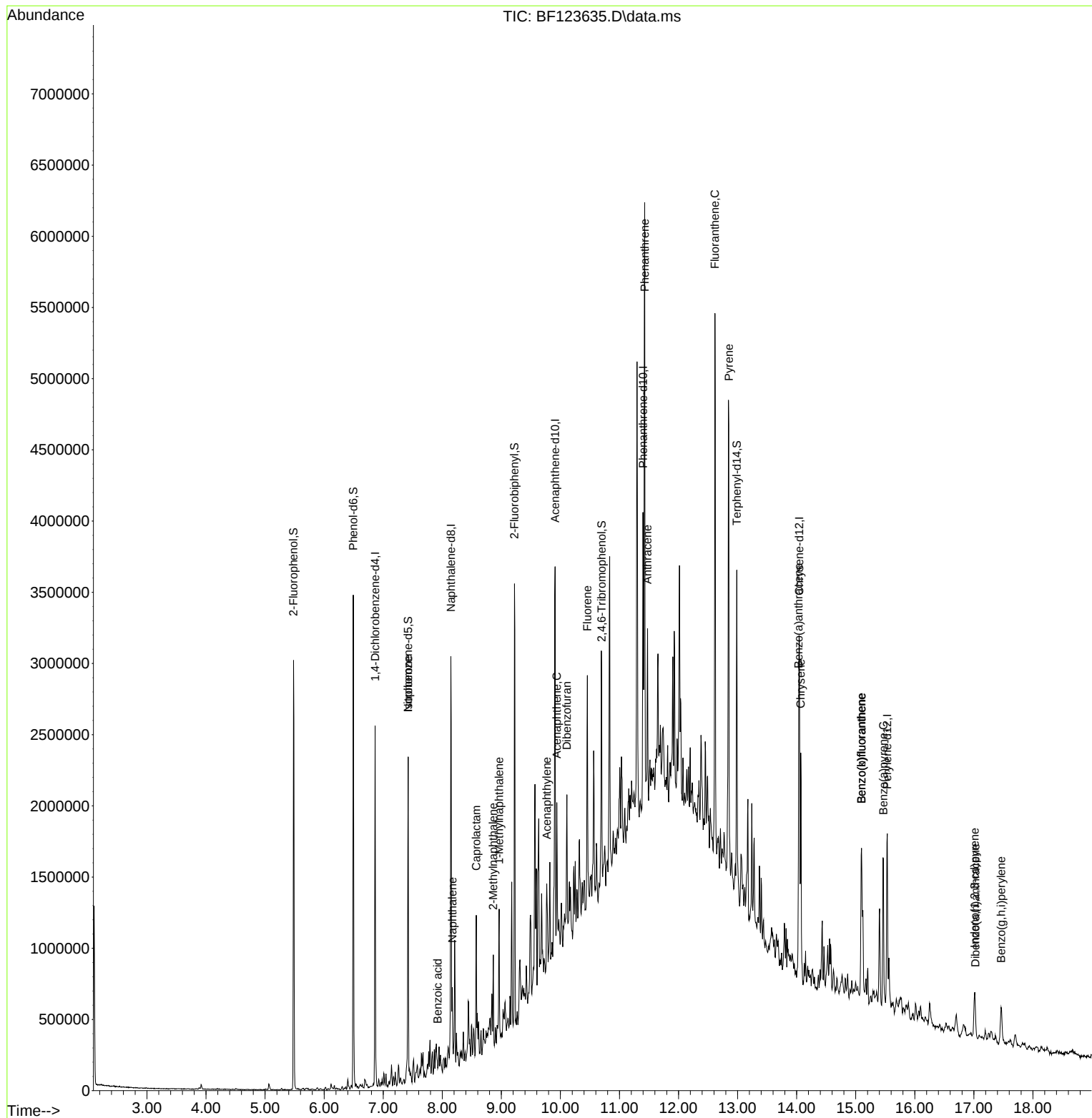
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	303001	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	1113252	20.00	ng	-0.01
39) Acenaphthene-d10	9.910	164	485836	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	747649	20.00	ng	0.00
76) Chrysene-d12	14.045	240	624256	20.00	ng	-0.01
86) Perylene-d12	15.533	264	585172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	679589	36.25	ng	0.00
7) Phenol-d6	6.493	99	880569	33.90	ng	0.00
23) Nitrobenzene-d5	7.422	82	604151	24.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	167684	30.48	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	870393	26.71	ng	-0.02
79) Terphenyl-d14	12.986	244	651256	20.28	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.422	82	598175	12.73	ng	# 69
31) Naphthalene	8.169	128	163525	2.85	ng	99
32) Benzoic acid	7.922	122	680	4.60	ng	# 1
35) Caprolactam	8.575	113	14388	2.63	ng	# 40
37) 2-Methylnaphthalene	8.863	142	145400	3.87	ng	98
38) 1-Methylnaphthalene	8.963	142	204540	5.75	ng	99
49) Acenaphthylene	9.769	152	126951	2.71	ng	# 90
52) Acenaphthene	9.939	154	179369	5.97	ng	99
55) Dibenzofuran	10.110	168	178169	4.14	ng	# 91
58) Fluorene	10.457	166	394827	11.66	ng	97
71) Phenanthrene	11.428	178	1547114	39.65	ng	99
72) Anthracene	11.475	178	406200	10.42	ng	96
75) Fluoranthene	12.616	202	1529008	35.66	ng	99
78) Pyrene	12.851	202	1561321	34.27	ng	98
81) Benzo(a)anthracene	14.033	228	660179	17.26	ng	96
83) Chrysene	14.069	228	622492	16.20	ng	96
87) Indeno(1,2,3-cd)pyrene	17.015	276	226299	7.25	ng	99
88) Benzo(b)fluoranthene	15.098	252	861222	20.84	ng	# 96
89) Benzo(k)fluoranthene	15.098	252	861222	22.48	ng	# 96
90) Benzo(a)pyrene	15.468	252	519151	15.80	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	60337	2.28	ng	# 80
92) Benzo(g,h,i)perylene	17.462	276	218129	10.13	ng	95

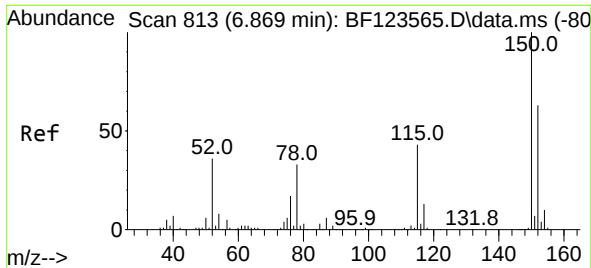
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
Data File : BF123635.D
Acq On : 19 Apr 2021 22:06
Operator : JU/CG
Sample : M2034-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
1979

Quant Time: Apr 20 03:05:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 10:31:33 2021
Response via : Initial Calibration

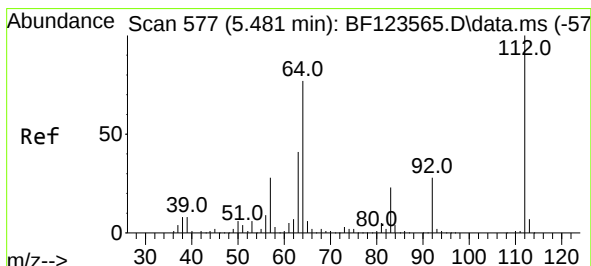
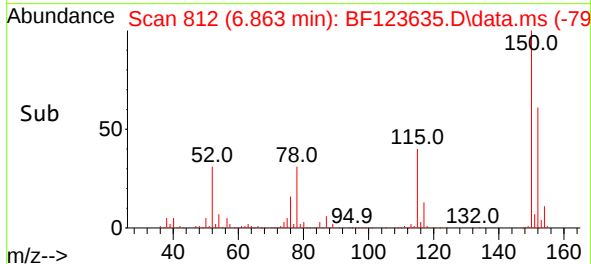
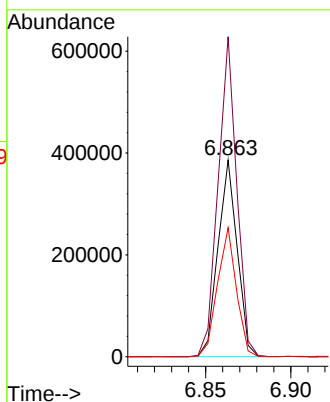
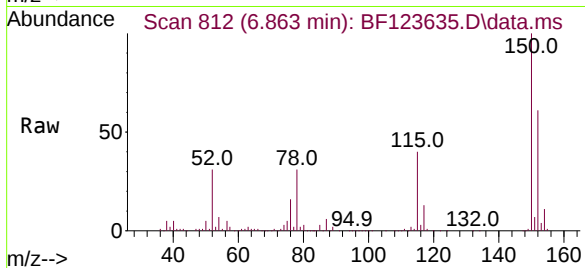




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.863 min Scan# 812
 Delta R.T. -0.006 min
 Lab File: BF123635.D
 Acq: 19 Apr 2021 22:06

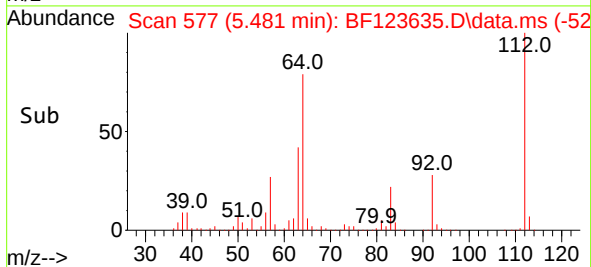
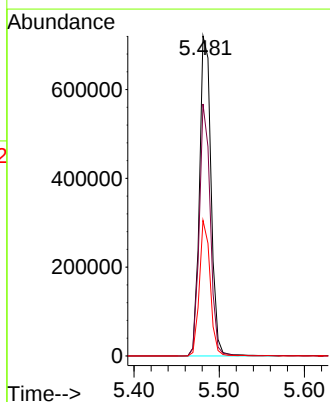
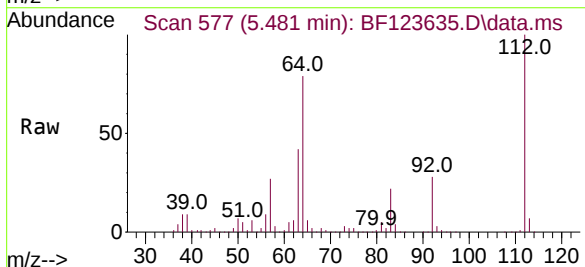
Instrument :
 BNA_F
 ClientSampleId :
 1979

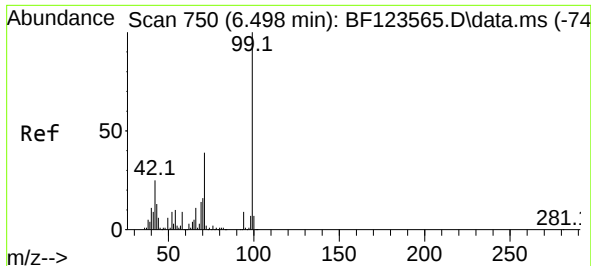
Tgt Ion:152 Resp: 303001
 Ion Ratio Lower Upper
 152 100
 150 162.7 127.0 190.6
 115 65.5 54.3 81.5



#5
 2-Fluorophenol
 Concen: 36.25 ng
 RT: 5.481 min Scan# 577
 Delta R.T. 0.000 min
 Lab File: BF123635.D
 Acq: 19 Apr 2021 22:06

Tgt Ion:112 Resp: 679589
 Ion Ratio Lower Upper
 112 100
 64 78.8 61.4 92.0
 63 42.4 33.0 49.4

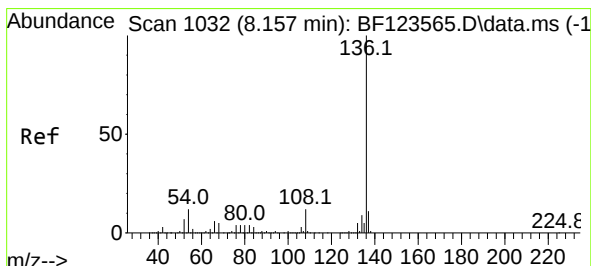
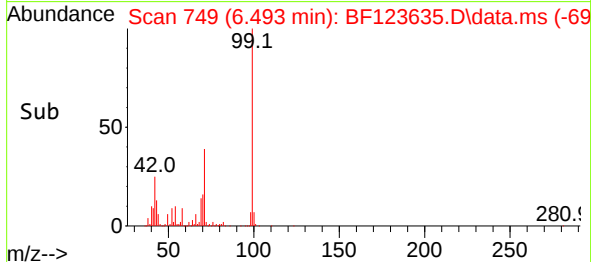
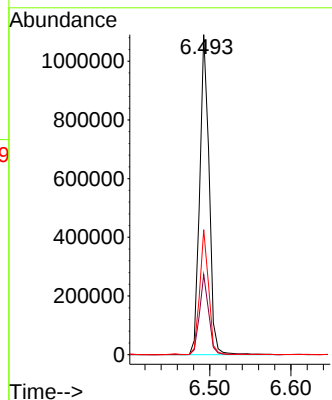
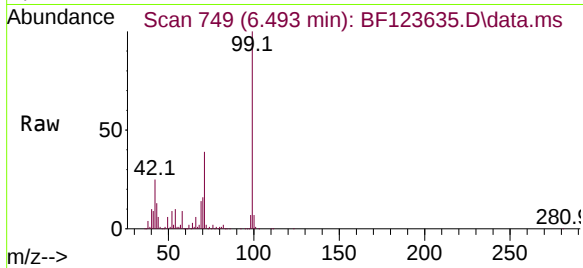




#7
Phenol-d6
Concen: 33.90 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

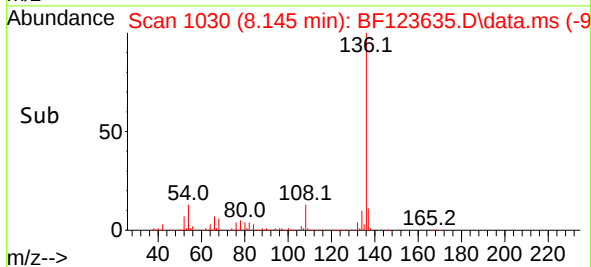
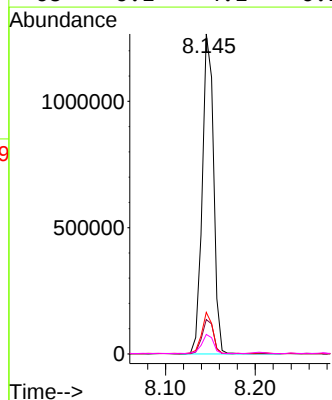
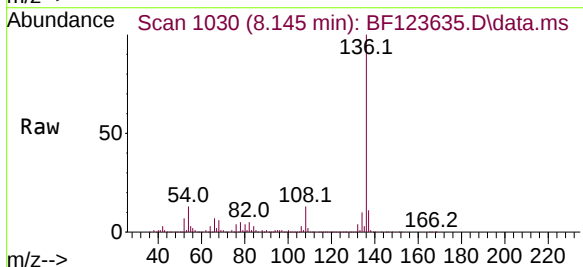
Instrument :
BNA_F
ClientSampleId :
1979

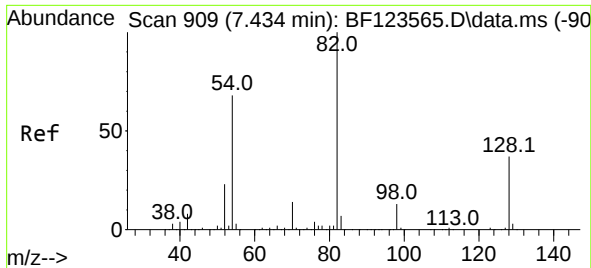
Tgt Ion: 99 Resp: 880569
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.8
71 39.1 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 136 Resp: 1113252
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 13.0 9.8 14.6
68 6.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 24.95 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

Tgt Ion: 82 Resp: 604151

Ion Ratio Lower Upper

82 100

128 38.9 29.4 44.2

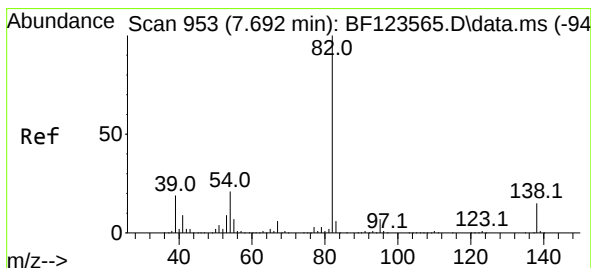
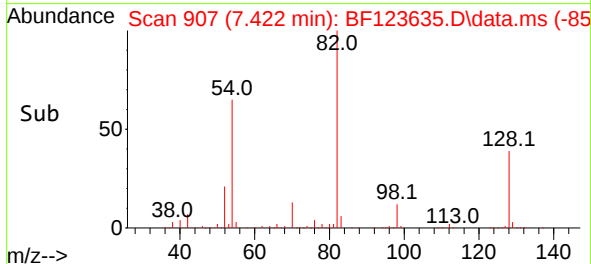
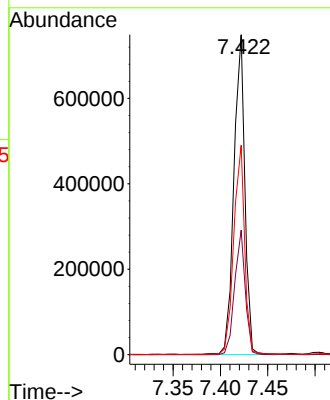
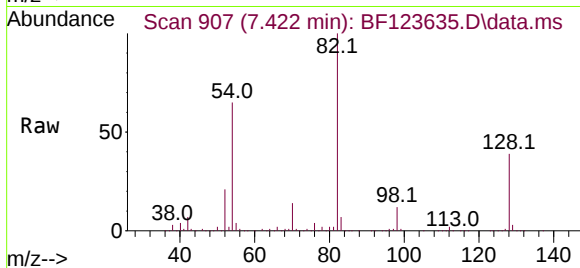
54 65.4 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

1979



#25

Isophorone

Concen: 12.73 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.270 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

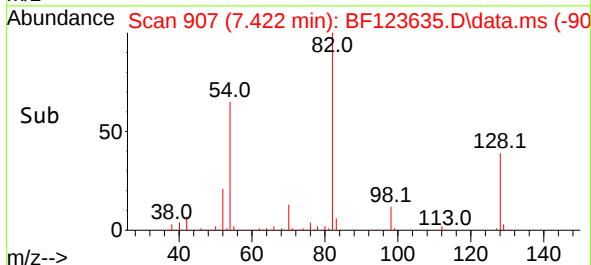
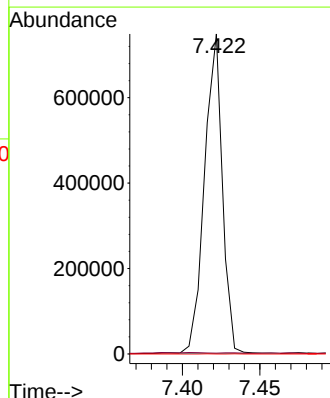
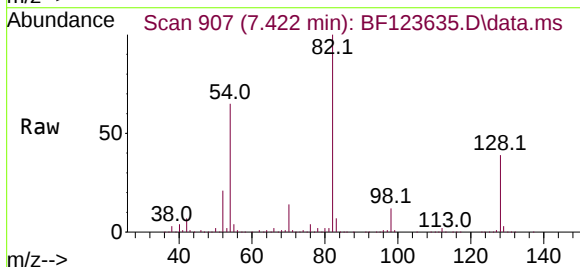
Tgt Ion: 82 Resp: 598175

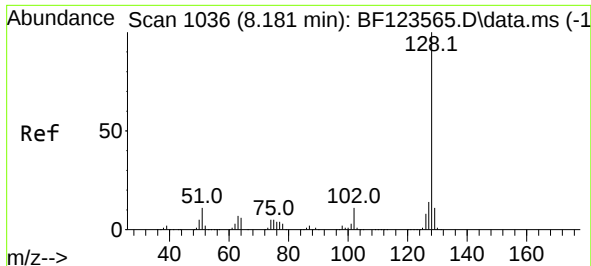
Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.6#

138 0.0 11.8 17.8#

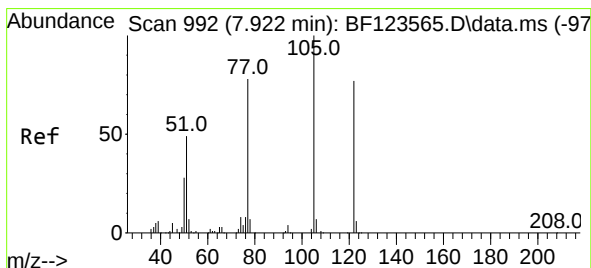
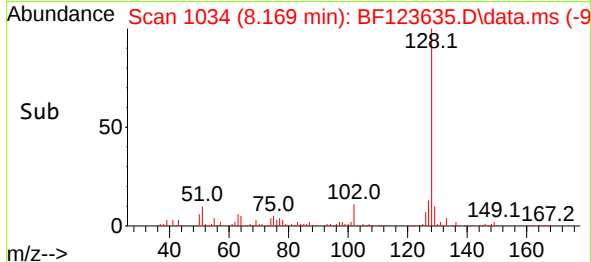
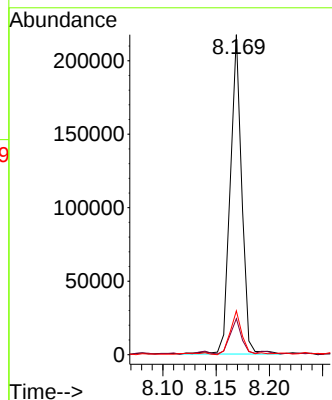
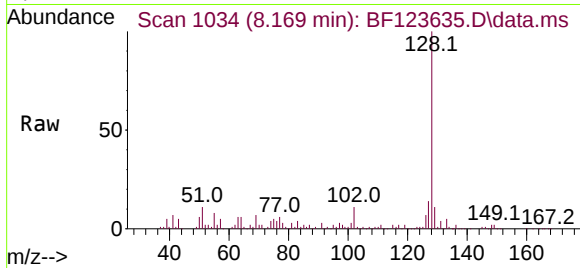




#31
Naphthalene
Concen: 2.85 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

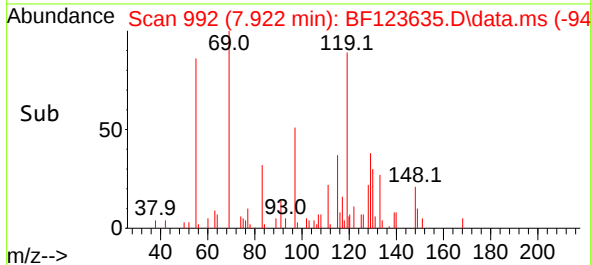
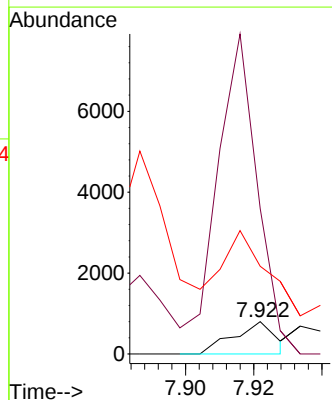
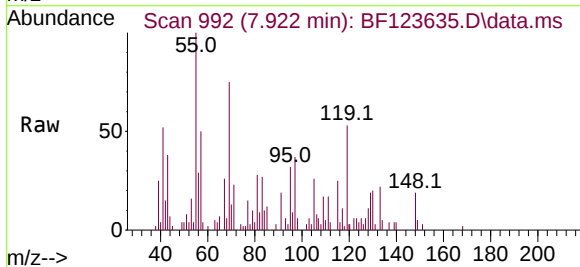
Instrument :
BNA_F
ClientSampled :
1979

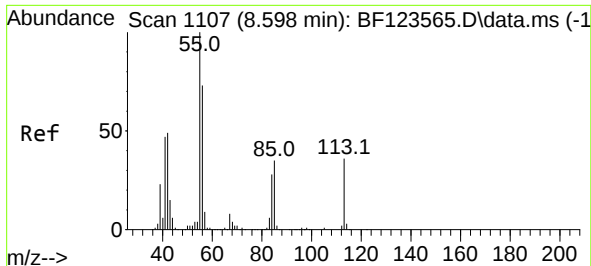
Tgt Ion:128 Resp: 163525
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 4.60 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:122 Resp: 680
Ion Ratio Lower Upper
122 100
105 449.2 107.8 147.8#
77 270.8 81.6 121.6#

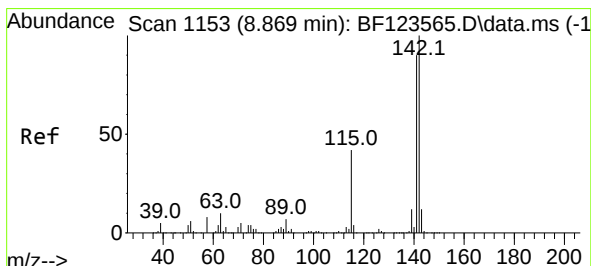
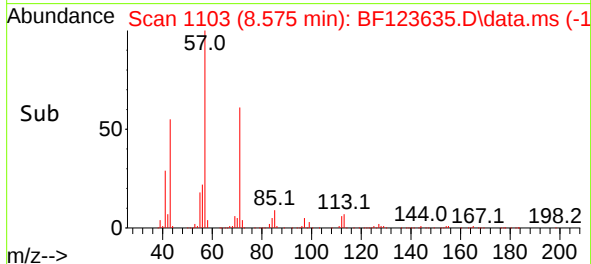
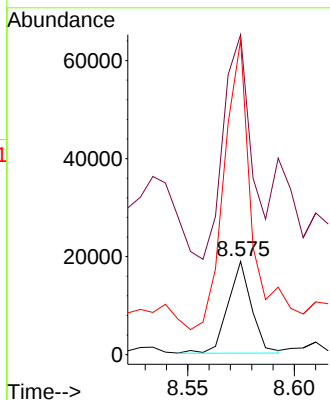
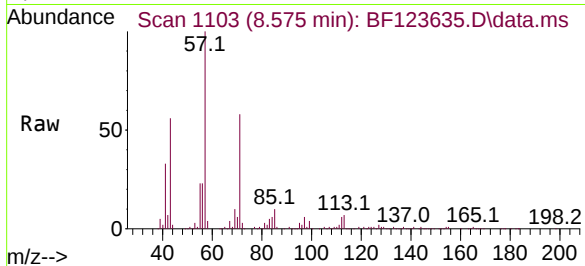




#35
Caprolactam
Concen: 2.63 ng
RT: 8.575 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

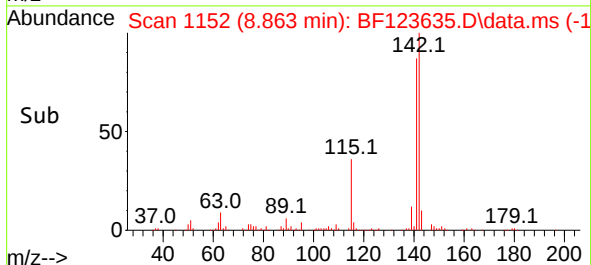
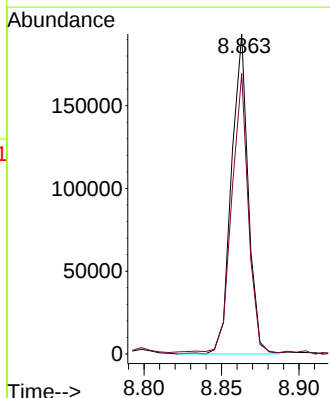
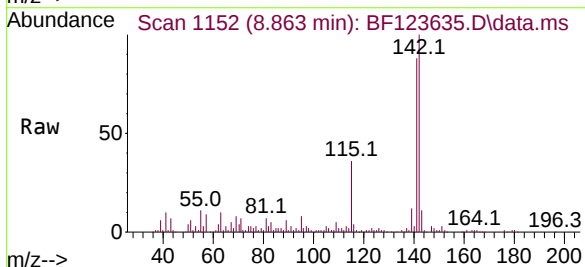
Instrument :
BNA_F
ClientSampleId :
1979

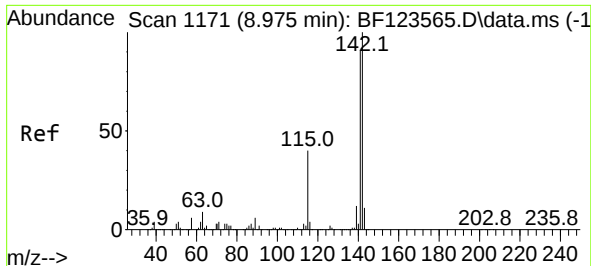
Tgt Ion:113 Resp: 14388
Ion Ratio Lower Upper
113 100
55 342.9 254.9 294.9#
56 337.3 179.4 219.4#



#37
2-Methylnaphthalene
Concen: 3.87 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:142 Resp: 145400
Ion Ratio Lower Upper
142 100
141 87.7 71.8 107.6

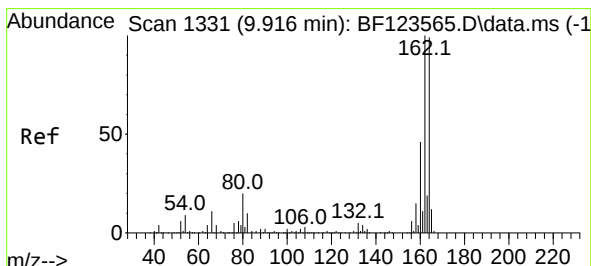
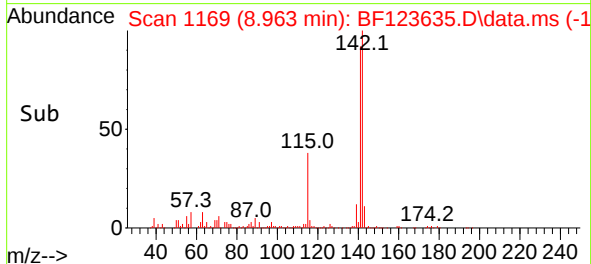
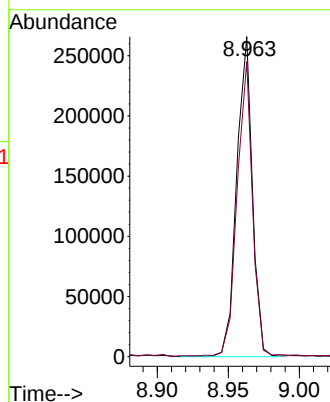
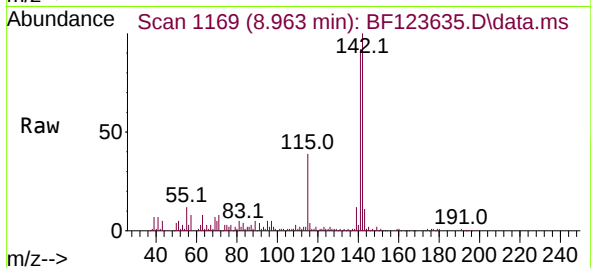




#38
1-Methylnaphthalene
Concen: 5.75 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

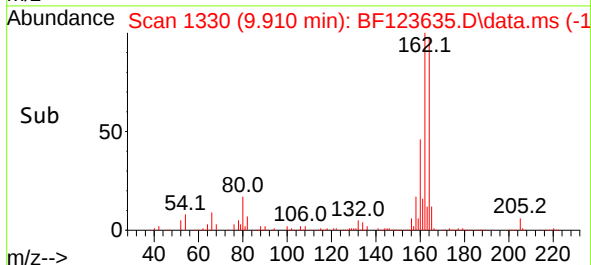
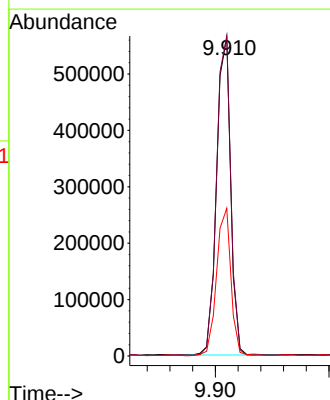
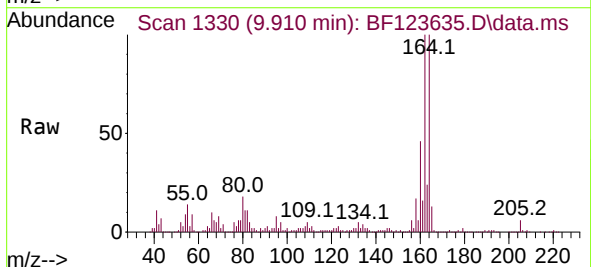
Instrument :
BNA_F
ClientSampleId :
1979

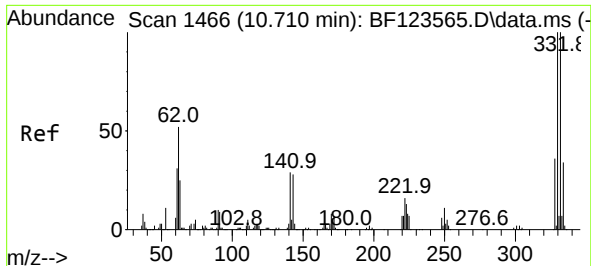
Tgt Ion:142 Resp: 204540
Ion Ratio Lower Upper
142 100
141 92.2 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:164 Resp: 485836
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 46.4 37.3 55.9

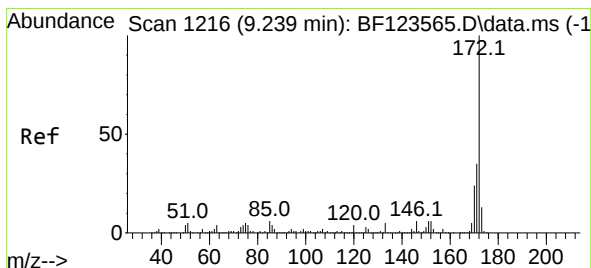
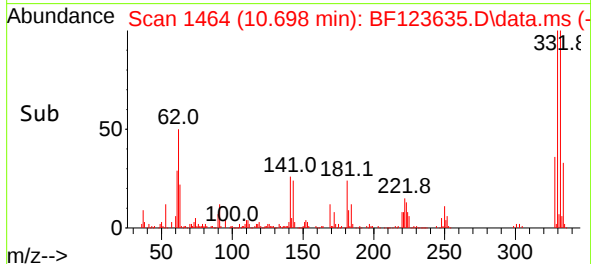
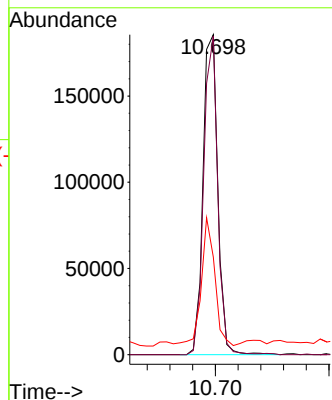
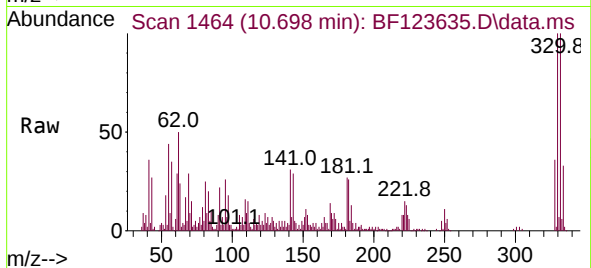




#42
2,4,6-Tribromophenol
Concen: 30.48 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

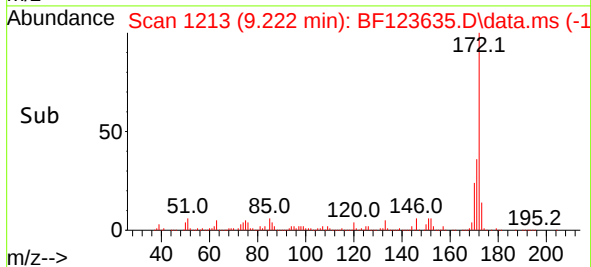
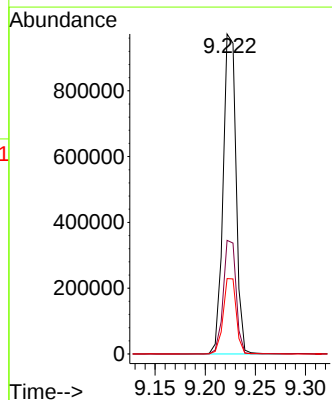
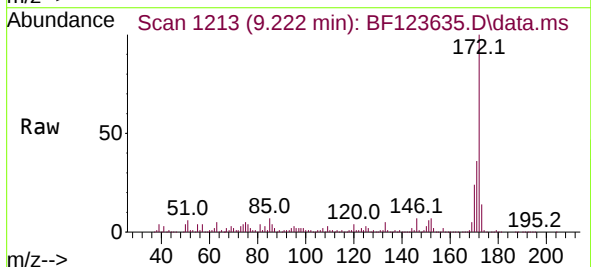
Instrument :
BNA_F
ClientSampleId :
1979

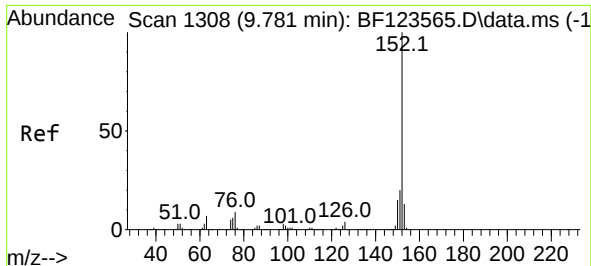
Tgt Ion: 330 Resp: 167684
Ion Ratio Lower Upper
330 100
332 93.8 77.1 115.7
141 36.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 26.71 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.018 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion: 172 Resp: 870393
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.6 19.2 28.8





#49

Acenaphthylene

Concen: 2.71 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.012 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

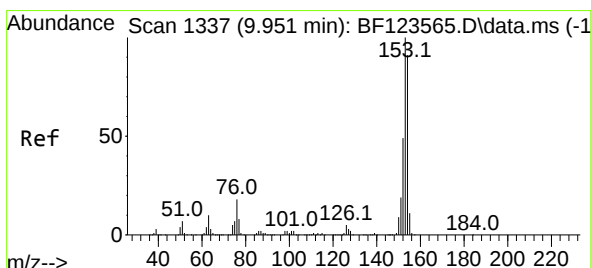
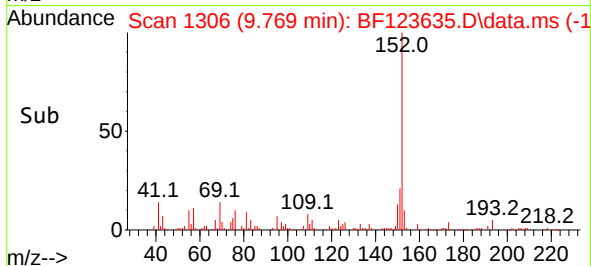
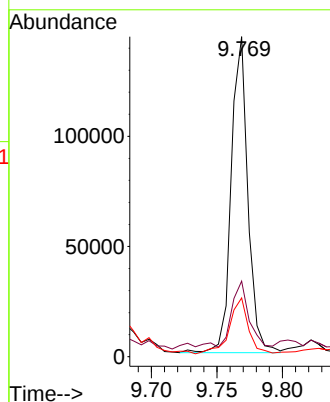
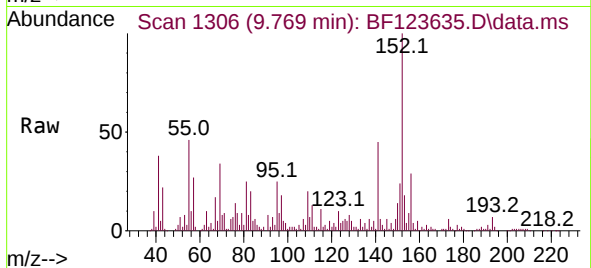
Tgt Ion:	152	Resp:	126951
Ion Ratio	Lower	Upper	
152	100		
151	23.6	16.0	24.0
153	18.3	10.4	15.6

Instrument :

BNA_F

ClientSampleId :

1979



#52

Acenaphthene

Concen: 5.97 ng

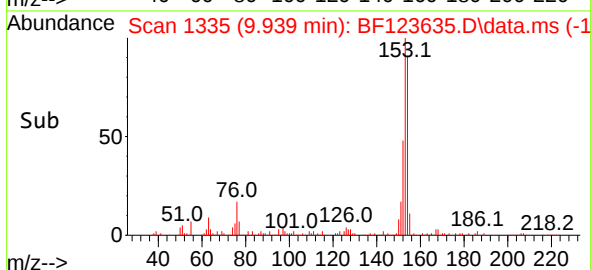
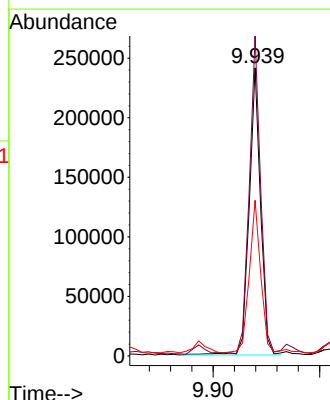
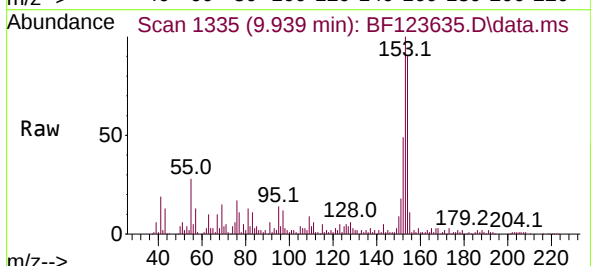
RT: 9.939 min Scan# 1335

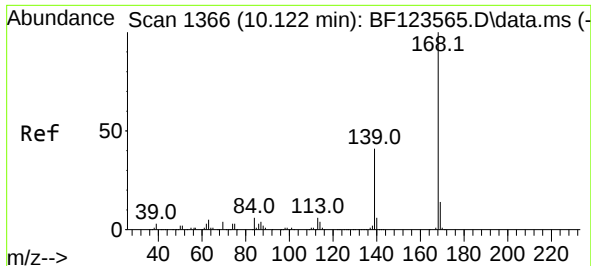
Delta R.T. -0.012 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

Tgt Ion:	154	Resp:	179369
Ion Ratio	Lower	Upper	
154	100		
153	111.1	88.1	132.1
152	54.0	43.4	65.0

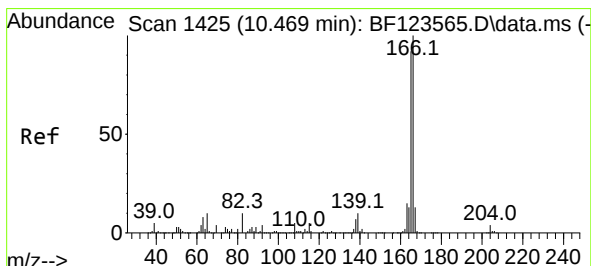
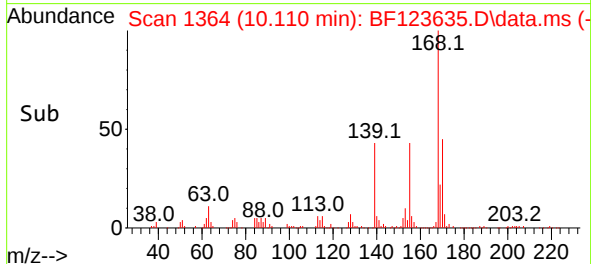
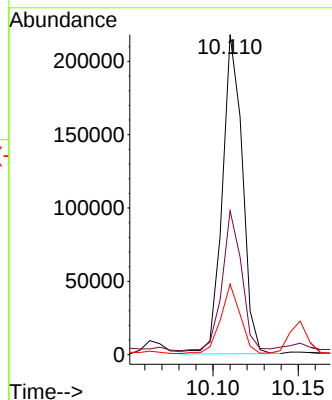
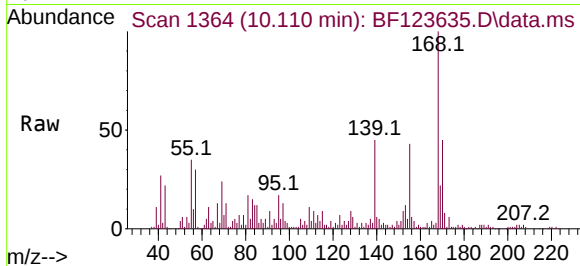




#55
Dibenzenofuran
Concen: 4.14 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

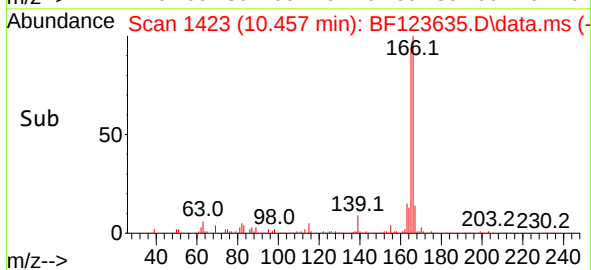
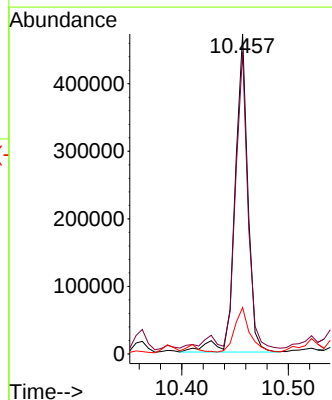
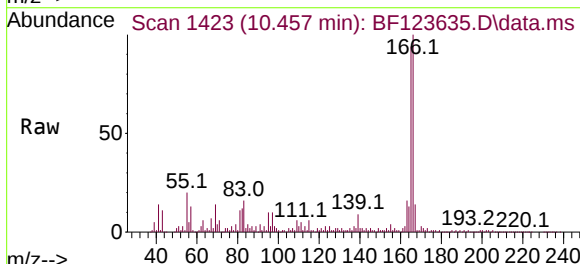
Instrument :
BNA_F
ClientSampleId :
1979

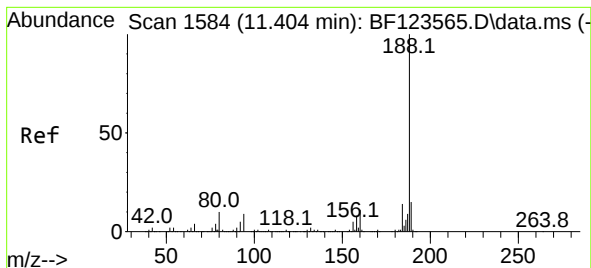
Tgt Ion:168 Resp: 178169
Ion Ratio Lower Upper
168 100
139 44.9 33.2 49.8
169 22.1 10.8 16.2#



#58
Fluorene
Concen: 11.66 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:166 Resp: 394827
Ion Ratio Lower Upper
166 100
165 94.5 73.5 110.3
167 14.5 10.7 16.1

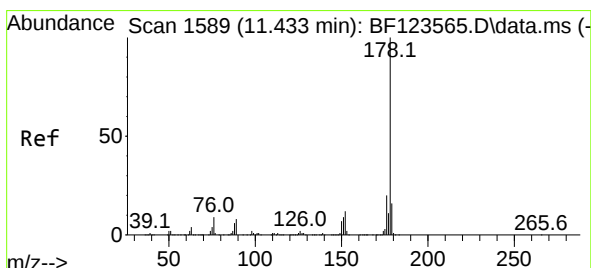
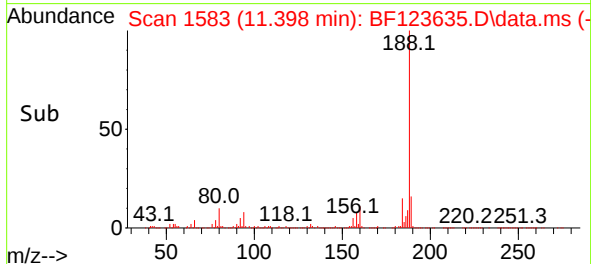
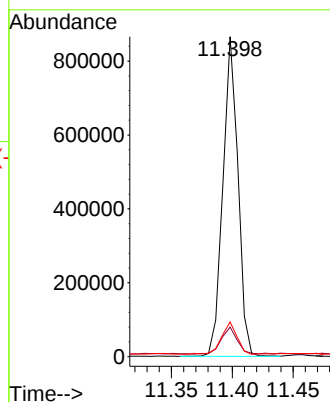
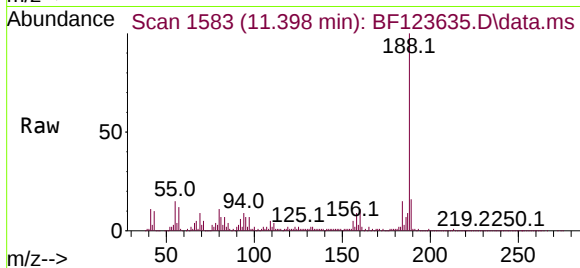




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

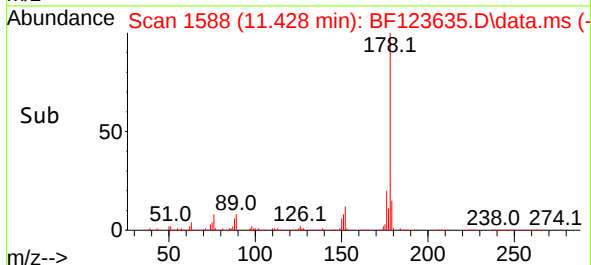
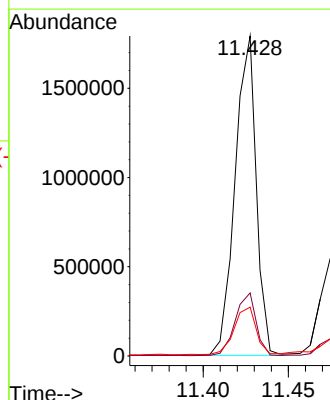
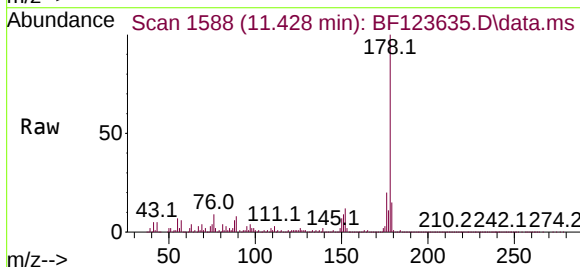
Instrument :
BNA_F
ClientSampleId :
1979

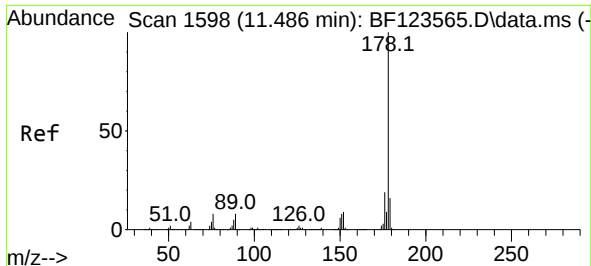
Tgt Ion:188 Resp: 747649
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 10.9 8.2 12.2



#71
Phenanthrene
Concen: 39.65 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:178 Resp: 1547114
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.3 12.5 18.7

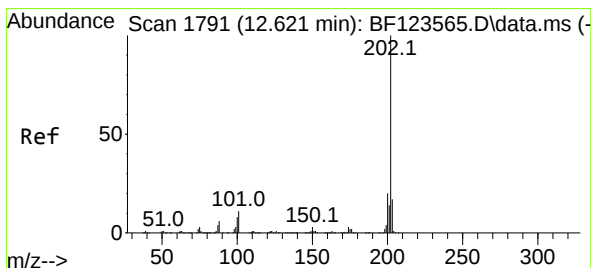
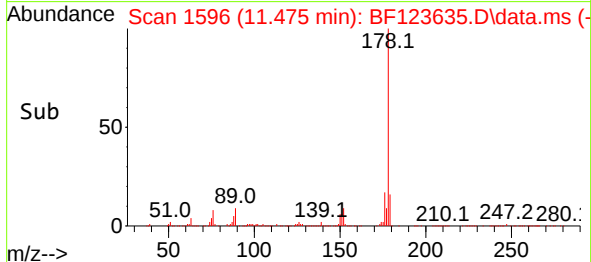
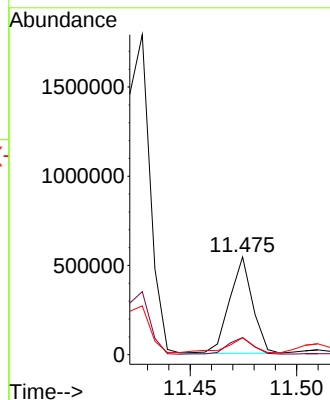
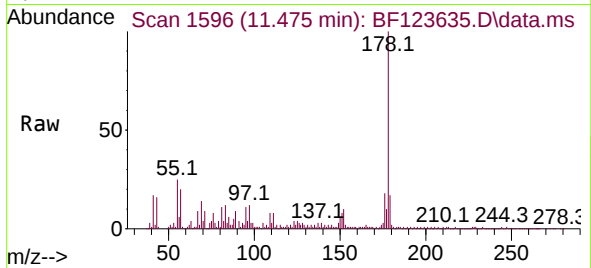




#72
 Anthracene
 Concen: 10.42 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. -0.012 min
 Lab File: BF123635.D
 Acq: 19 Apr 2021 22:06

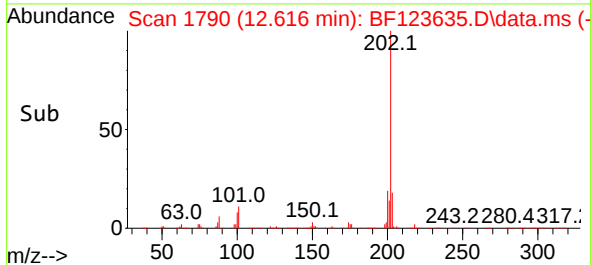
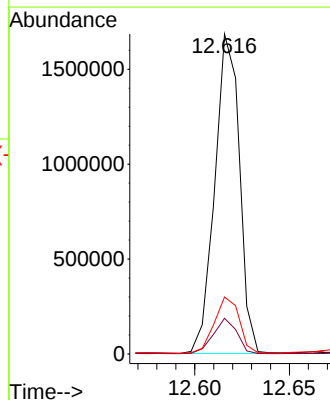
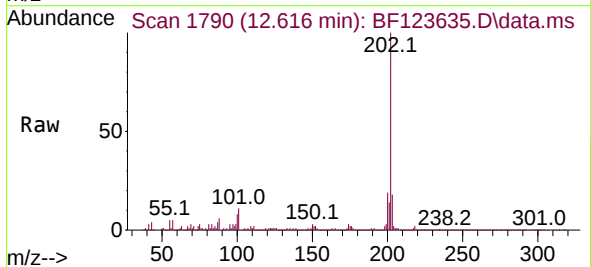
Instrument :
 BNA_F
 ClientSampleId :
 1979

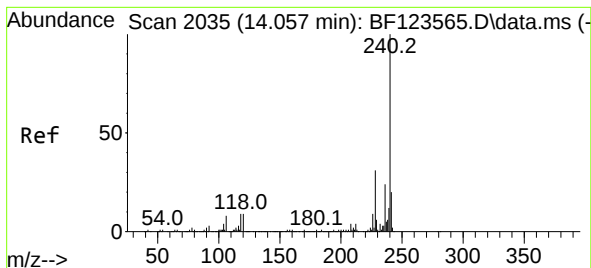
Tgt Ion:178 Resp: 406200
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.0
 179 17.3 12.6 18.8



#75
 Fluoranthene
 Concen: 35.66 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BF123635.D
 Acq: 19 Apr 2021 22:06

Tgt Ion:202 Resp: 1529008
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 30.9
 203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

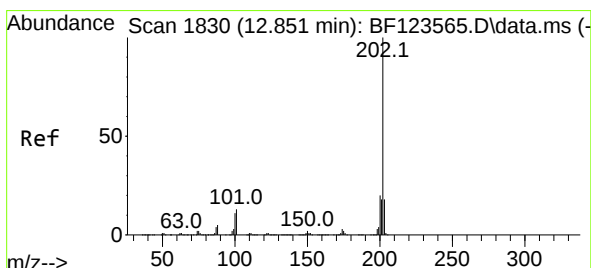
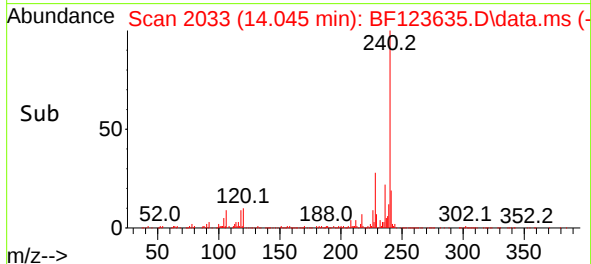
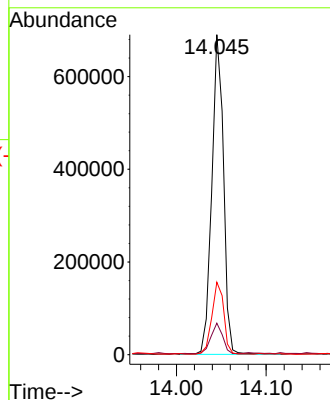
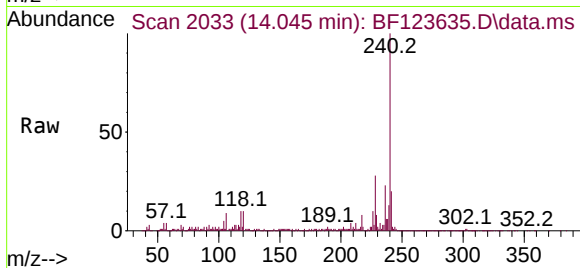
Instrument :

BNA_F

ClientSampleId :

1979

Tgt Ion:240	Resp: 624256
Ion Ratio	Lower Upper
240	100
120	9.9 7.2 10.8
236	22.6 19.0 28.4



#78

Pyrene

Concen: 34.27 ng

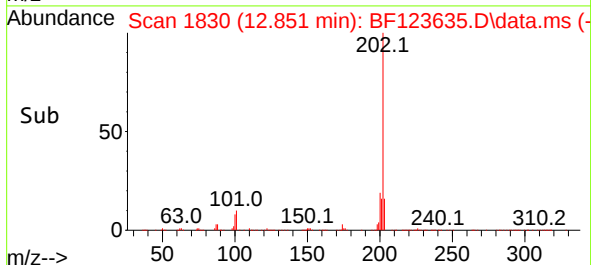
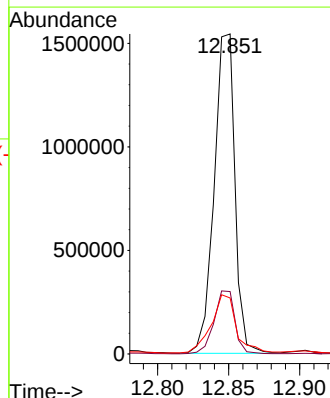
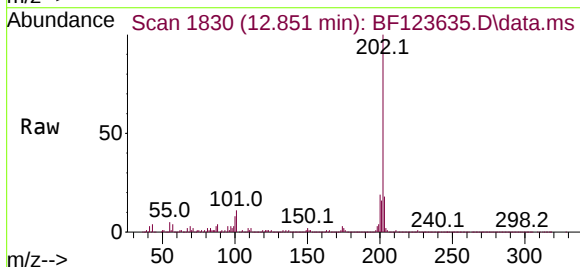
RT: 12.851 min Scan# 1830

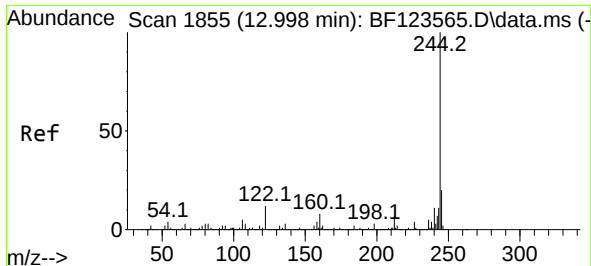
Delta R.T. -0.006 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

Tgt Ion:202	Resp: 1561321
Ion Ratio	Lower Upper
202	100
200	19.5 16.1 24.1
203	17.5 14.8 22.2

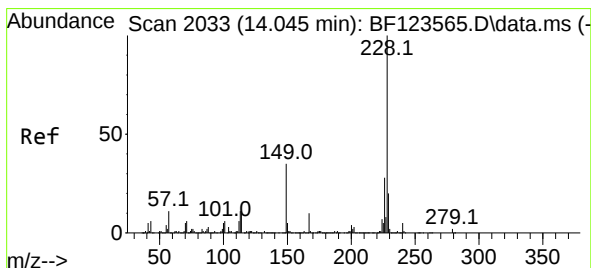
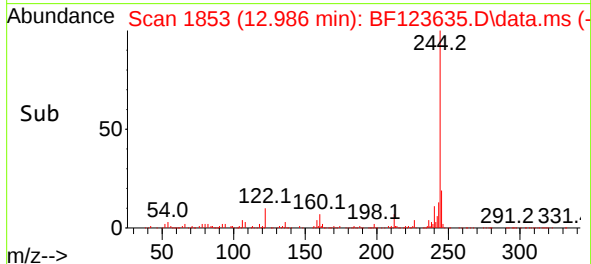
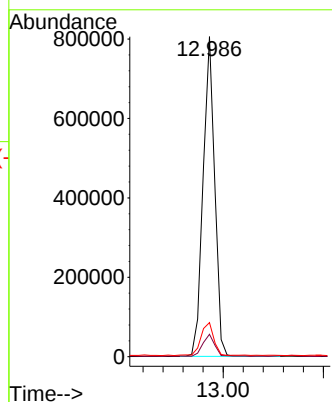
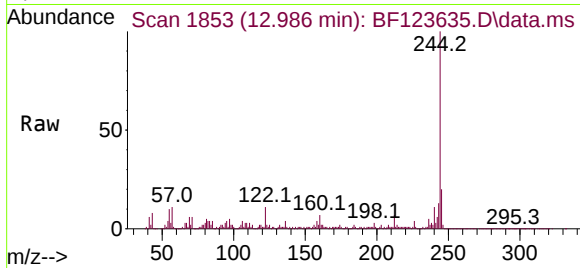




#79
Terphenyl-d14
Concen: 20.28 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

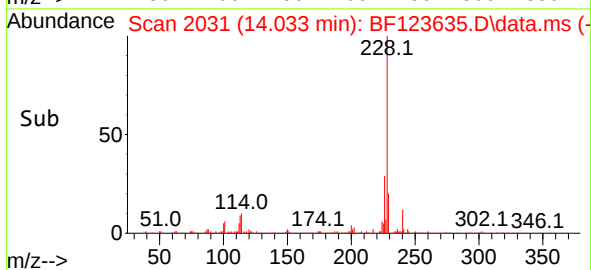
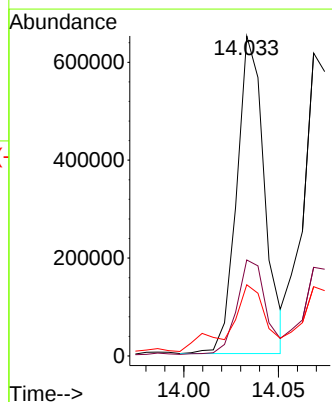
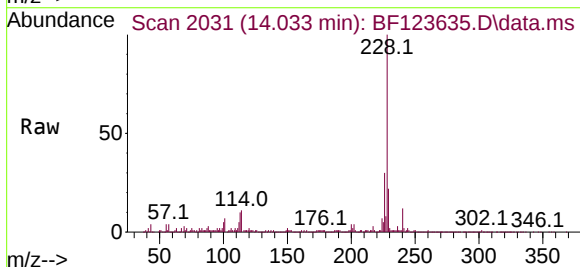
Instrument :
BNA_F
ClientSampleId :
1979

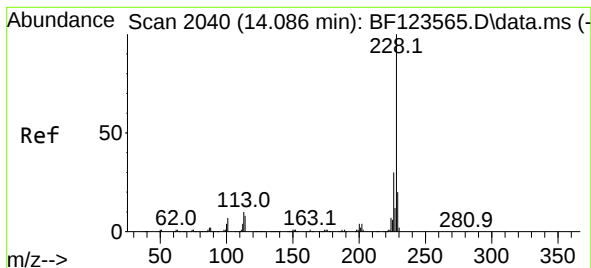
Tgt Ion:244 Resp: 651256
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.6 9.7 14.5



#81
Benzo(a)anthracene
Concen: 17.26 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:228 Resp: 660179
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 22.3 16.0 24.0





#83

Chrysene

Concen: 16.20 ng

RT: 14.069 min Scan# 2037

Delta R.T. -0.018 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

Tgt Ion:228 Resp: 622492

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

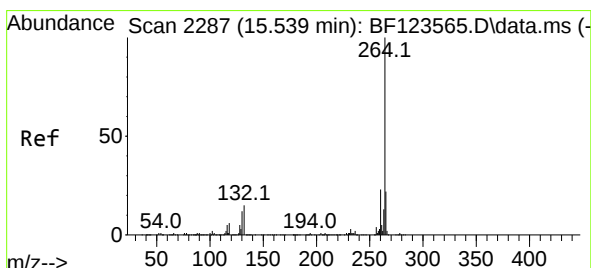
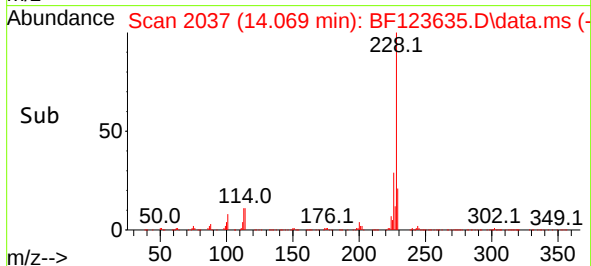
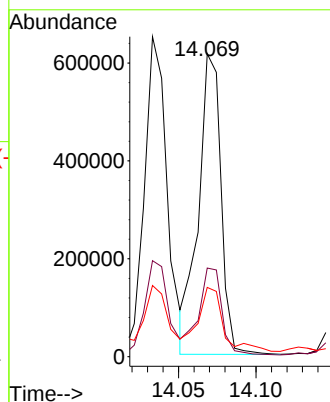
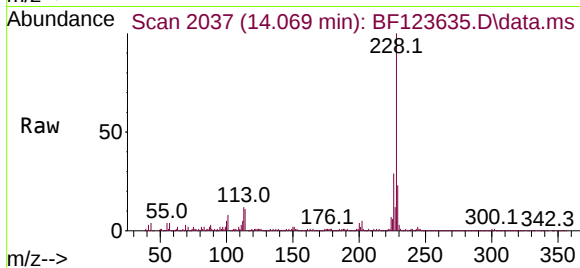
229 22.8 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

1979



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.533 min Scan# 2286

Delta R.T. -0.006 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

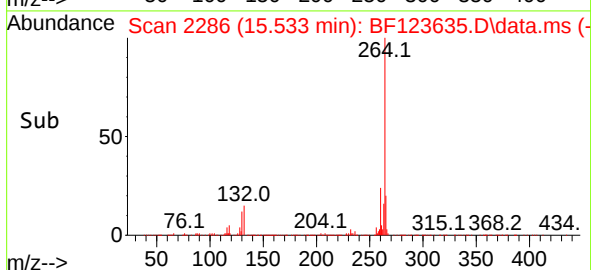
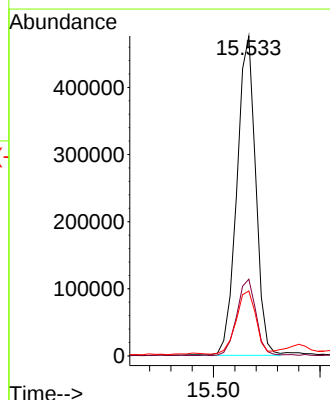
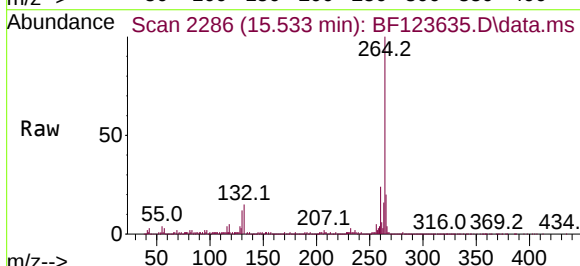
Tgt Ion:264 Resp: 585172

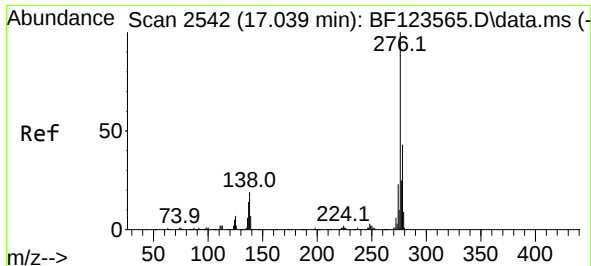
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 20.3 17.8 26.8

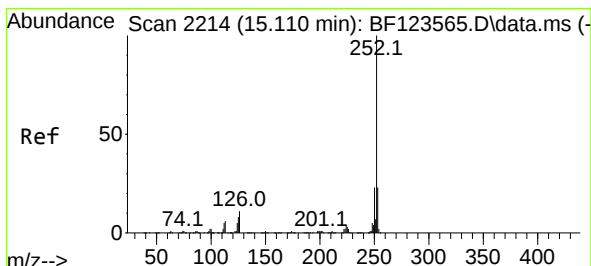
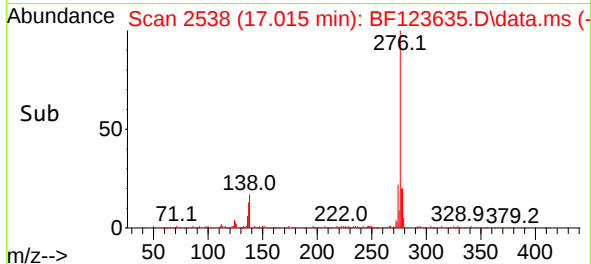
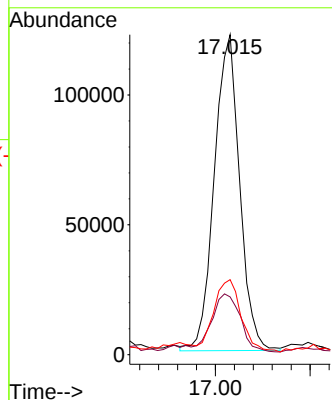
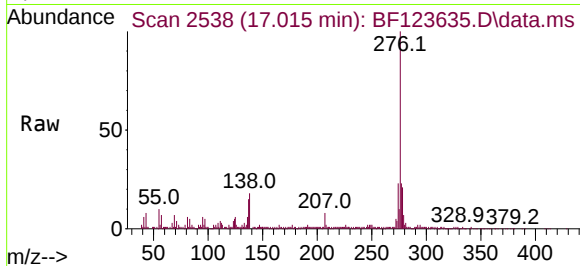




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.25 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.023 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

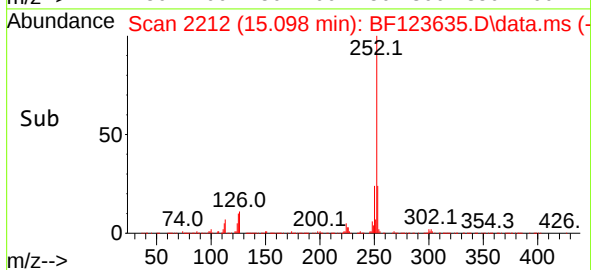
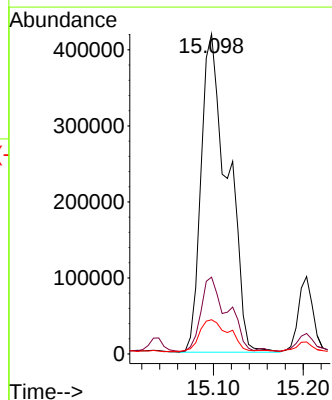
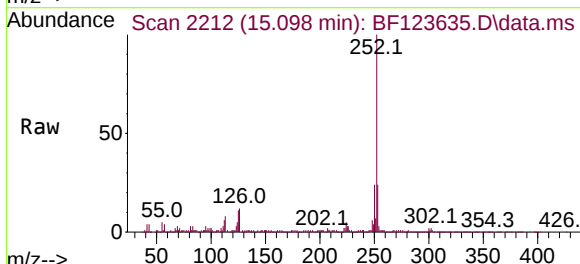
Instrument :
BNA_F
ClientSampleId :
1979

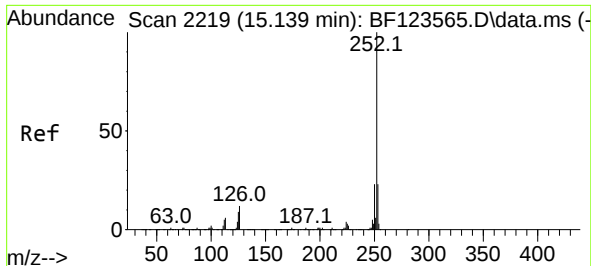
Tgt Ion:276 Resp: 226299
Ion Ratio Lower Upper
276 100
138 20.9 16.2 24.2
277 24.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 20.84 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:252 Resp: 861222
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 10.7 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 22.48 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.041 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

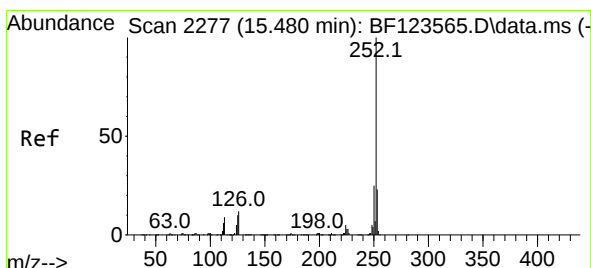
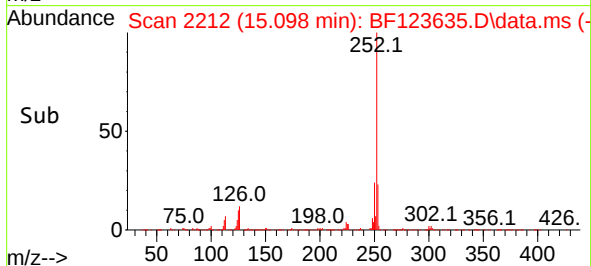
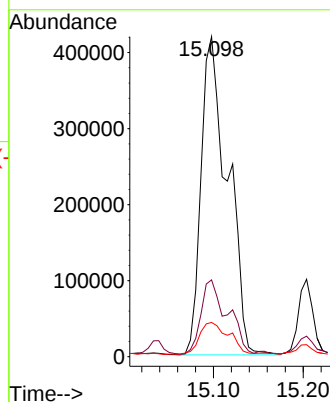
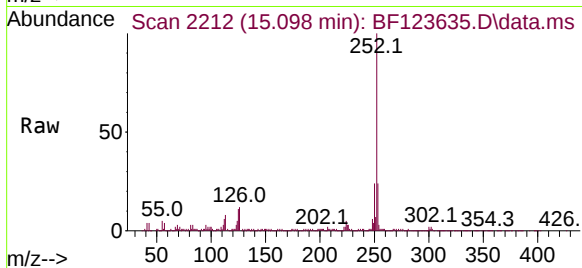
Tgt Ion:252	Resp:	861222
Ion Ratio	Lower	Upper
252	100	
253	24.0	17.9 26.9
125	10.7	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

1979



#90

Benzo(a)pyrene

Concen: 15.80 ng

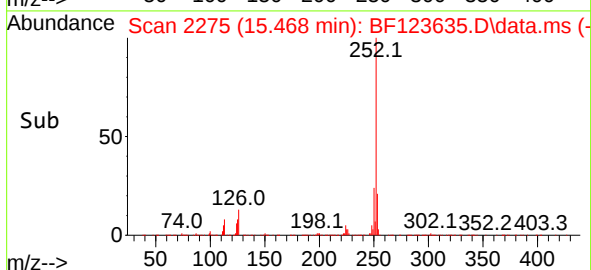
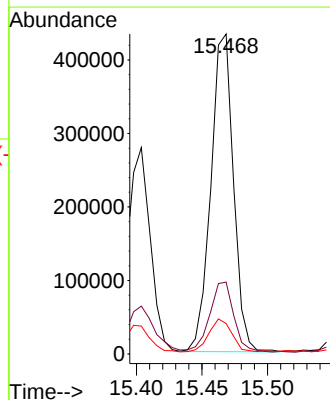
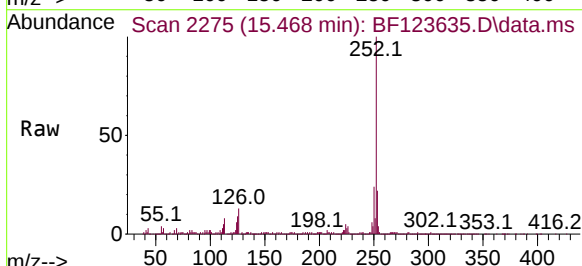
RT: 15.468 min Scan# 2275

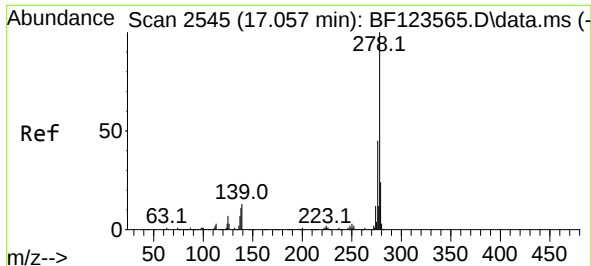
Delta R.T. -0.012 min

Lab File: BF123635.D

Acq: 19 Apr 2021 22:06

Tgt Ion:252	Resp:	519151
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.4 27.6
125	9.5	8.0 12.0

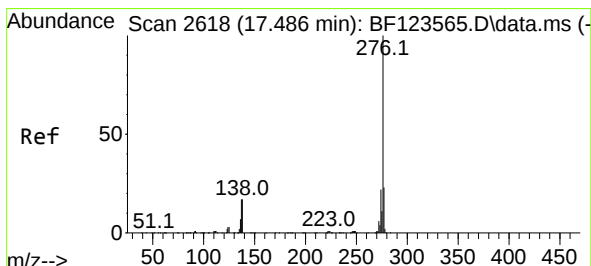
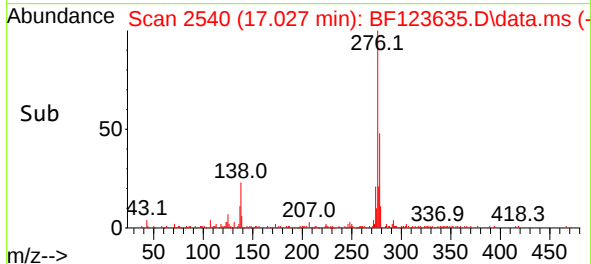
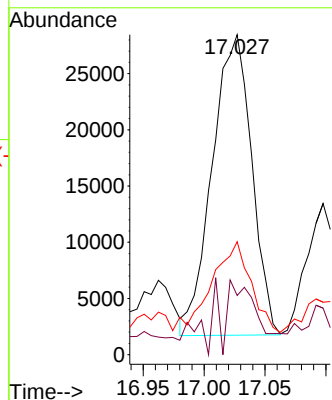
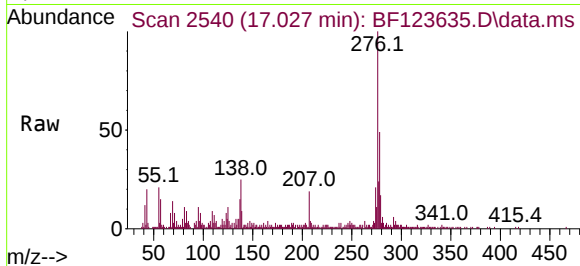




#91
Dibenzo(a,h)anthracene
Concen: 2.28 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.029 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Instrument :
BNA_F
ClientSampleId :
1979

Tgt Ion:278 Resp: 60337
Ion Ratio Lower Upper
278 100
139 18.5 10.2 15.2#
279 35.3 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 10.13 ng
RT: 17.462 min Scan# 2614
Delta R.T. -0.023 min
Lab File: BF123635.D
Acq: 19 Apr 2021 22:06

Tgt Ion:276 Resp: 218129
Ion Ratio Lower Upper
276 100
277 24.3 18.2 27.2
138 20.0 13.8 20.6

