

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
 Data File : BF123655.D
 Acq On : 20 Apr 2021 21:55
 Operator : JU/CG
 Sample : M2076-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-14.5-15.0

Quant Time: Apr 21 01:22:36 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)

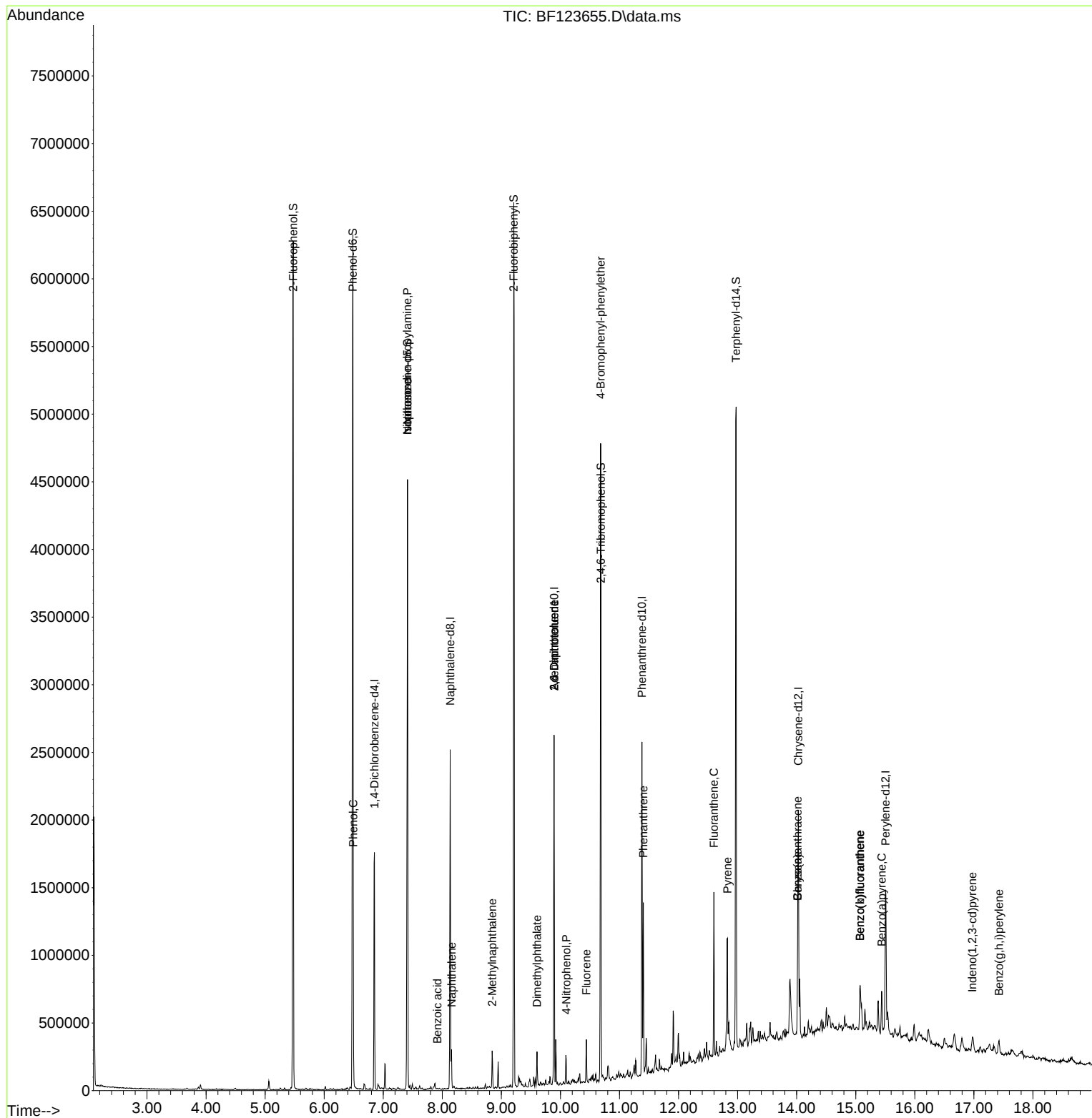
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	241658	20.00	ng	0.00
21) Naphthalene-d8	8.133	136	904746	20.00	ng	0.00
39) Acenaphthene-d10	9.892	164	446154	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	795510	20.00	ng	0.00
76) Chrysene-d12	14.027	240	516643	20.00	ng	0.00
86) Perylene-d12	15.504	264	529532	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1445739	96.69	ng	0.00
7) Phenol-d6	6.486	99	1857975	89.68	ng	0.00
23) Nitrobenzene-d5	7.410	82	1315971	66.87	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	505647	100.08	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1924278	64.29	ng	0.00
79) Terphenyl-d14	12.974	244	1611601	60.63	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.492	94	45368	2.06	ng	# 64
19) n-Nitroso-di-n-propyla...	7.410	70	181532	13.23	ng	# 74
25) Isophorone	7.410	82	1315955	34.47	ng	# 69
31) Naphthalene	8.157	128	108934	2.34	ng	99
32) Benzoic acid	7.916	122	492	4.60	ng	# 26
37) 2-Methylnaphthalene	8.845	142	64351	2.11	ng	96
50) Dimethylphthalate	9.604	163	69473	2.25	ng	# 95
51) 2,6-Dinitrotoluene	9.892	165	62307	9.21	ng	# 11
56) 4-Nitrophenol	10.098	139	25640	4.26	ng	# 1
57) 2,4-Dinitrotoluene	9.892	165	62307	6.89	ng	# 17
58) Fluorene	10.439	166	77102	2.48	ng	97
67) 4-Bromophenyl-phenylether	10.680	248	28776	3.46	ng	# 1
71) Phenanthrene	11.404	178	401088	9.66	ng	96
75) Fluoranthene	12.598	202	421255	9.23	ng	99
78) Pyrene	12.827	202	366418	9.72	ng	98
81) Benzo(a)anthracene	14.015	228	160239	5.06	ng	97
83) Chrysene	14.015	228	160239	5.04	ng	94
87) Indeno(1,2,3-cd)pyrene	16.974	276	88913	3.15	ng	96
88) Benzo(b)fluoranthene	15.074	252	256724	6.87	ng	# 94
89) Benzo(k)fluoranthene	15.074	252	256724	6.30	ng	# 95
90) Benzo(a)pyrene	15.439	252	143252	4.82	ng	100
92) Benzo(g,h,i)perylene	17.427	276	82343	3.75	ng	99

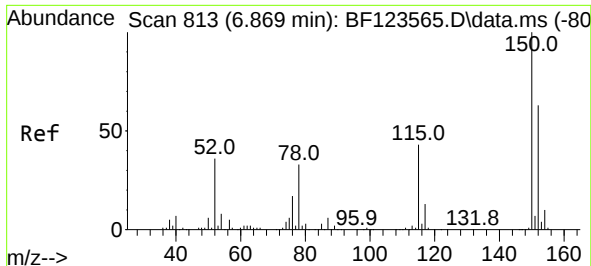
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
Data File : BF123655.D
Acq On : 20 Apr 2021 21:55
Operator : JU/CG
Sample : M2076-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

Quant Time: Apr 21 01:22:36 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

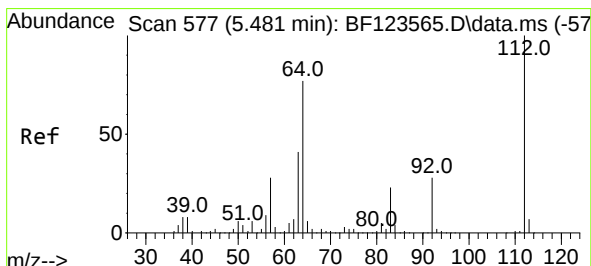
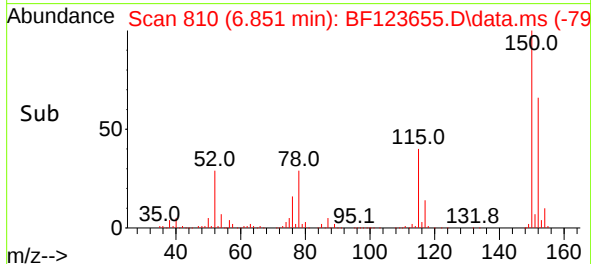
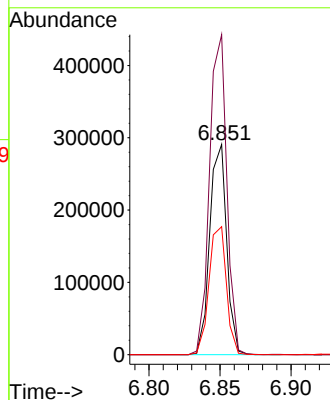
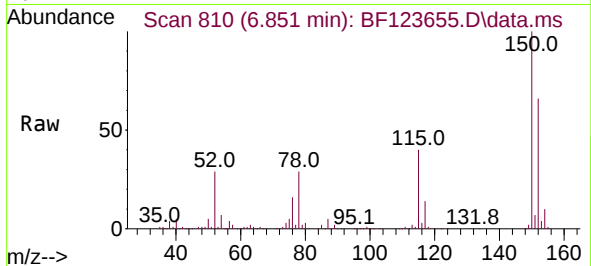




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

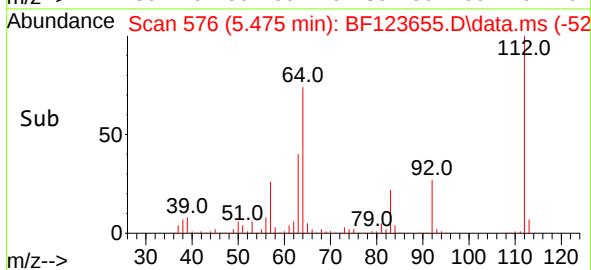
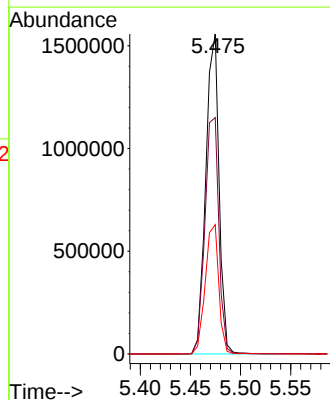
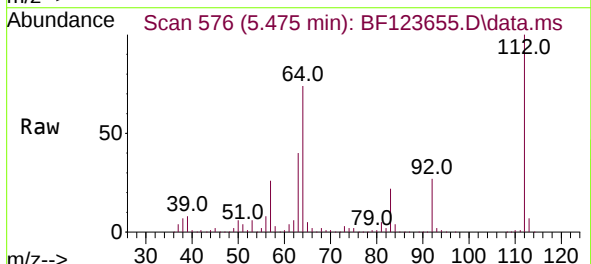
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

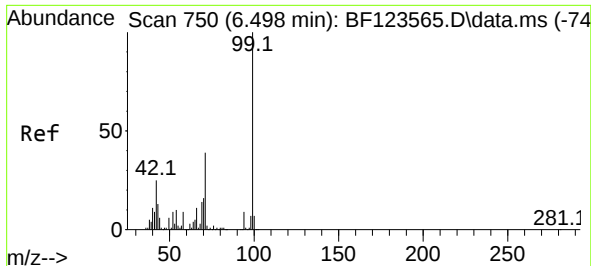
Tgt Ion:152 Resp: 241658
Ion Ratio Lower Upper
152 100
150 152.2 127.0 190.6
115 60.9 54.3 81.5



#5
2-Fluorophenol
Concen: 96.69 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:112 Resp: 1445739
Ion Ratio Lower Upper
112 100
64 73.9 61.4 92.0
63 40.4 33.0 49.4

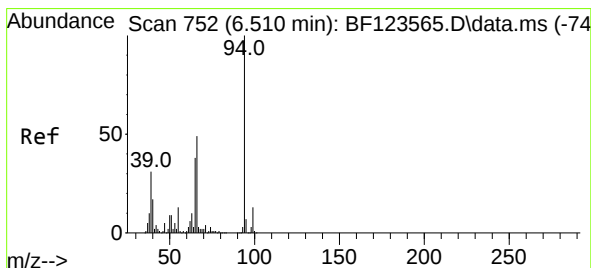
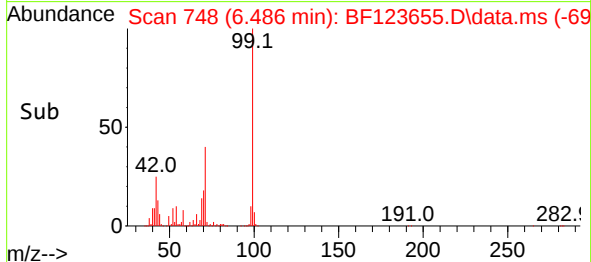
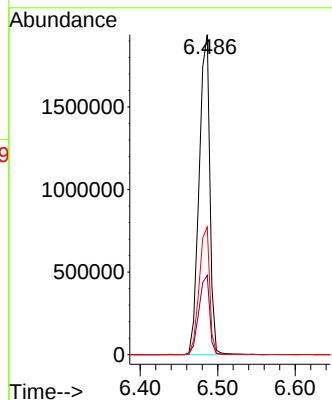
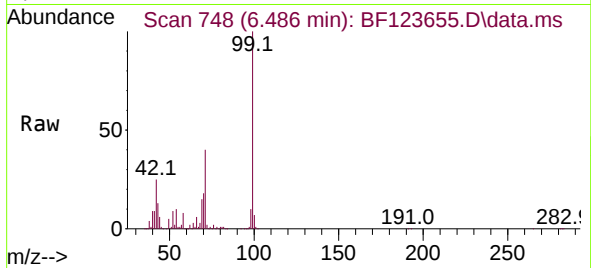




#7
Phenol-d6
Concen: 89.68 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

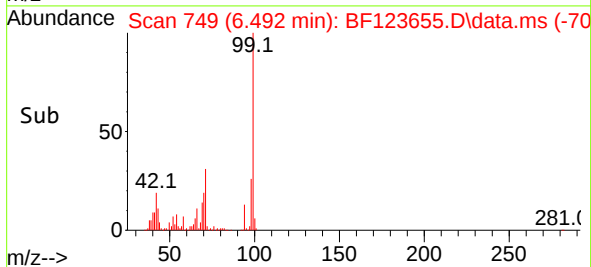
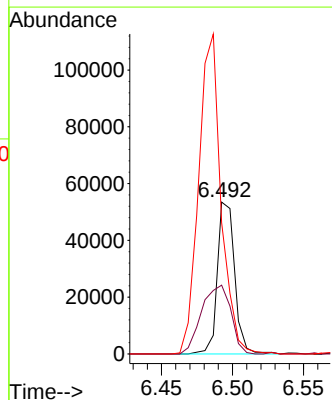
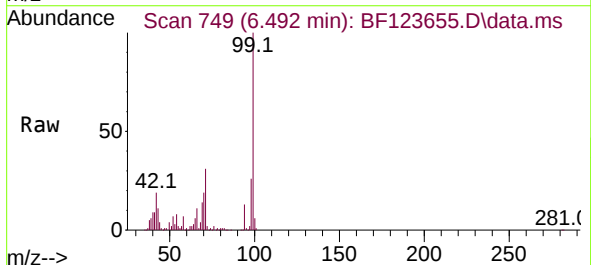
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

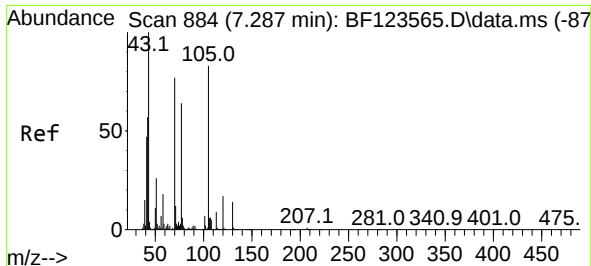
Tgt Ion: 99 Resp: 1857975
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.8
71 39.9 31.1 46.7



#10
Phenol
Concen: 2.06 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

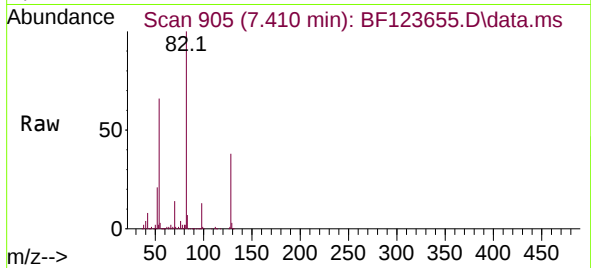
Tgt Ion: 94 Resp: 45368
Ion Ratio Lower Upper
94 100
65 45.3 18.1 58.1
66 86.4 29.0 69.0#



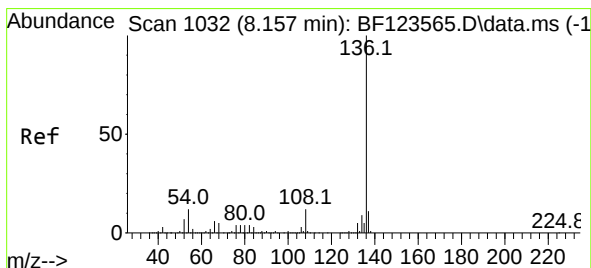
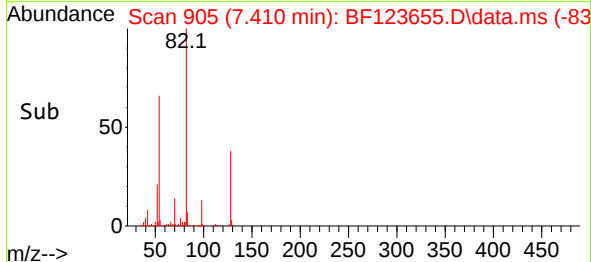
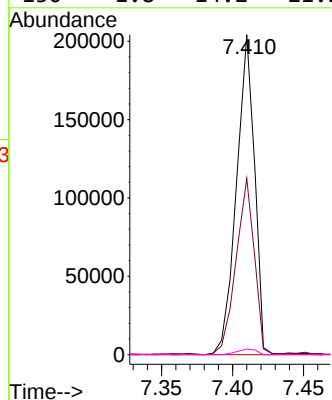


#19
n-Nitroso-di-n-propylamine
Concen: 13.23 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

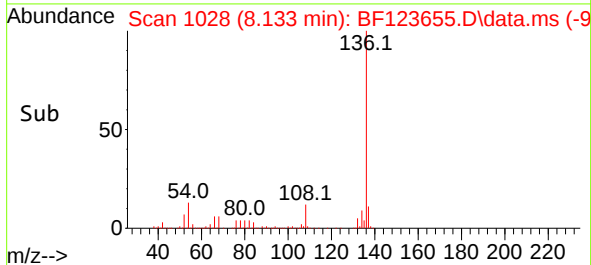
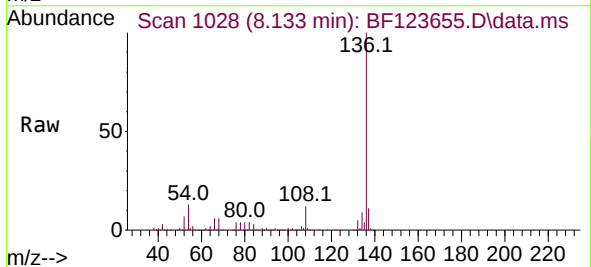
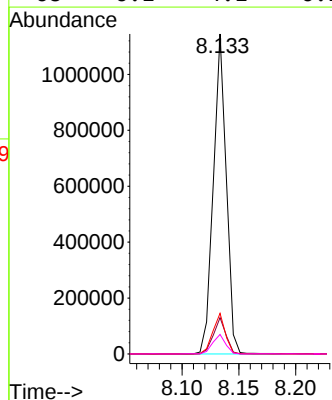


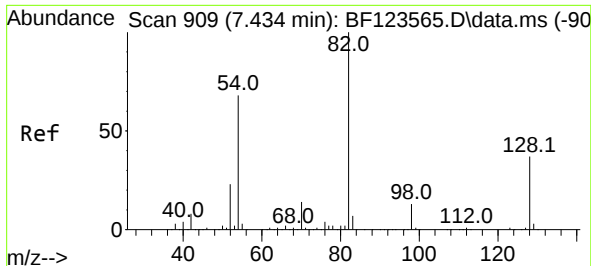
Tgt Ion: 70 Resp: 181532
Ion Ratio Lower Upper
70 100
42 55.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion: 136 Resp: 904746
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 12.7 9.8 14.6
68 6.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 66.87 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF123655.D

Acq: 20 Apr 2021 21:55

Tgt Ion: 82 Resp: 1315971

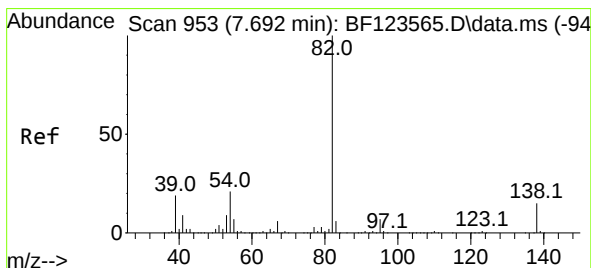
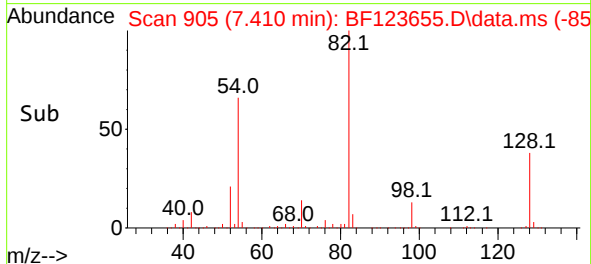
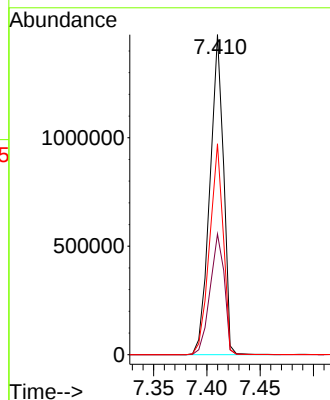
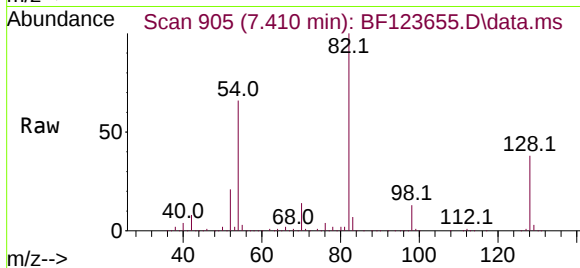
Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.4	44.2
54	65.9	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

SB-18-14.5-15.0



#25

Isophorone

Concen: 34.47 ng

RT: 7.410 min Scan# 905

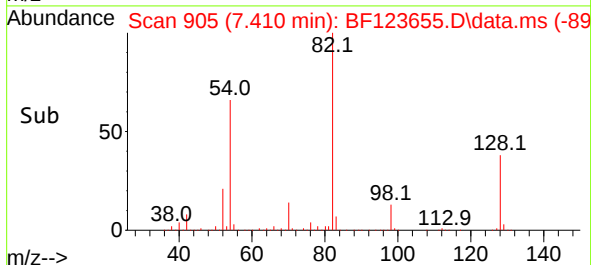
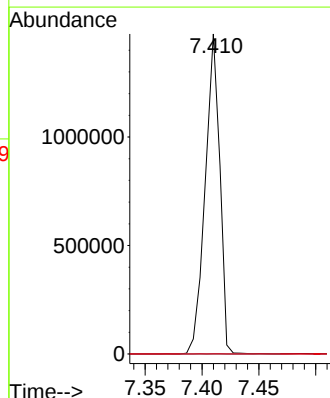
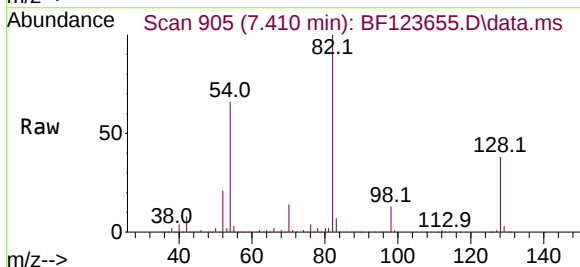
Delta R.T. -0.265 min

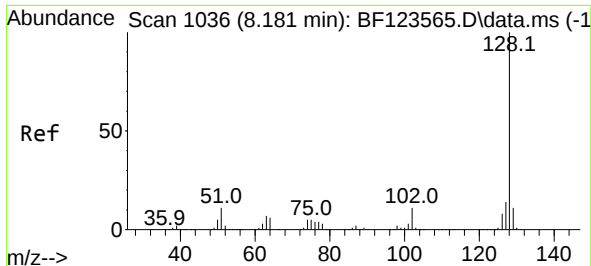
Lab File: BF123655.D

Acq: 20 Apr 2021 21:55

Tgt Ion: 82 Resp: 1315955

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#

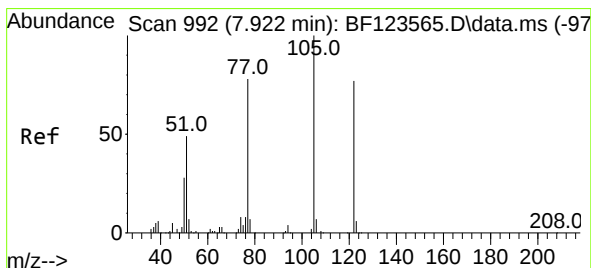
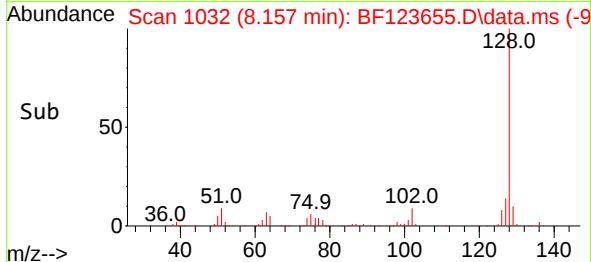
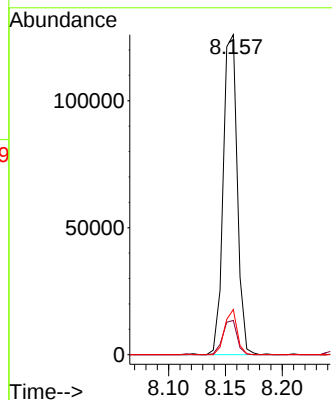
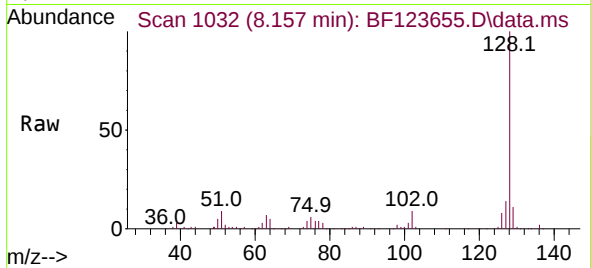




#31
Naphthalene
Concen: 2.34 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

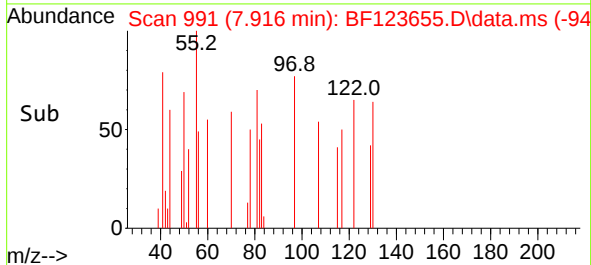
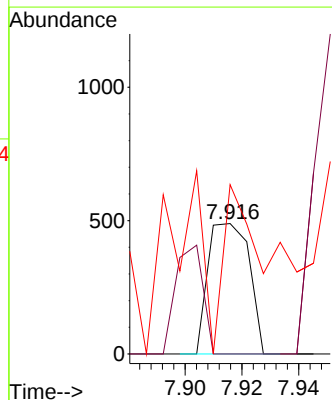
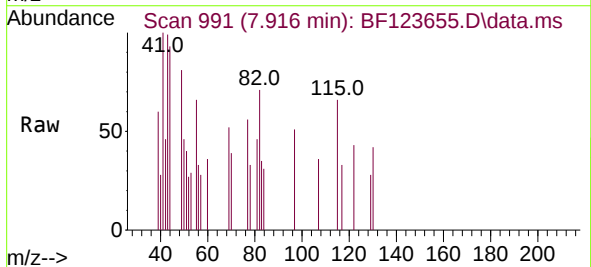
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

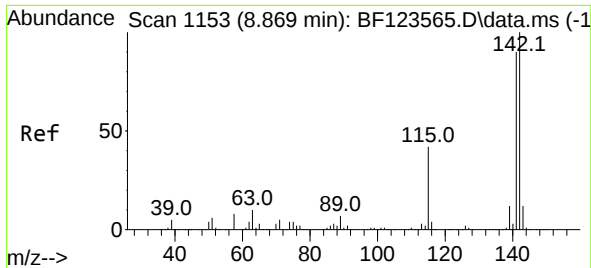
Tgt Ion:128 Resp: 108934
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 14.1 10.8 16.2



#32
Benzoic acid
Concen: 4.60 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:122 Resp: 492
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 129.9 81.6 121.6#

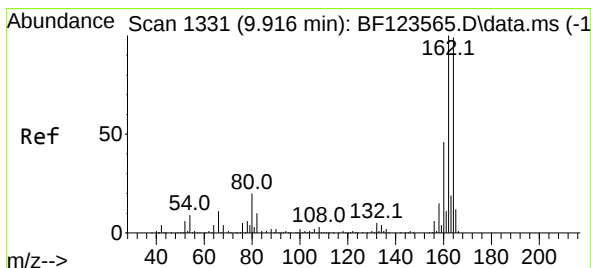
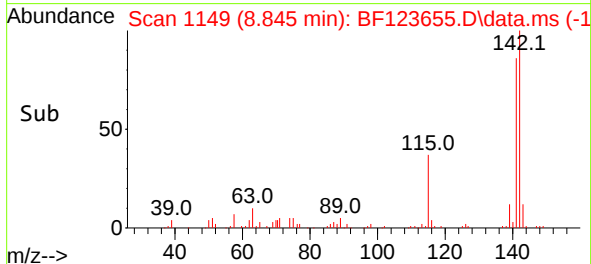
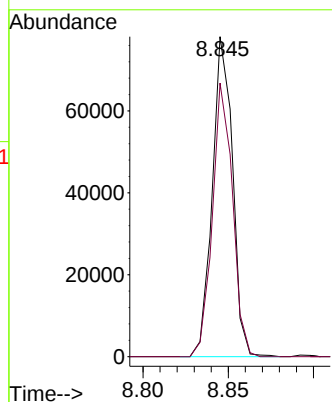
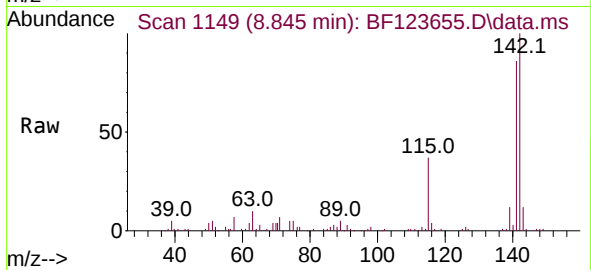




#37
2-Methylnaphthalene
Concen: 2.11 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

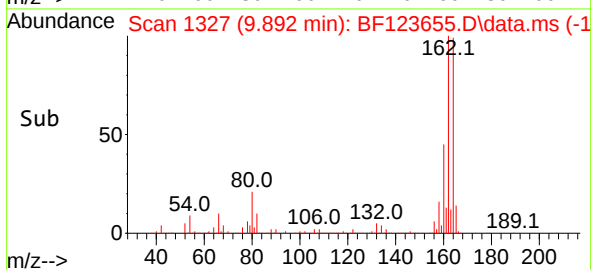
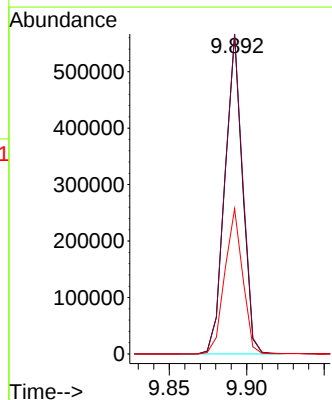
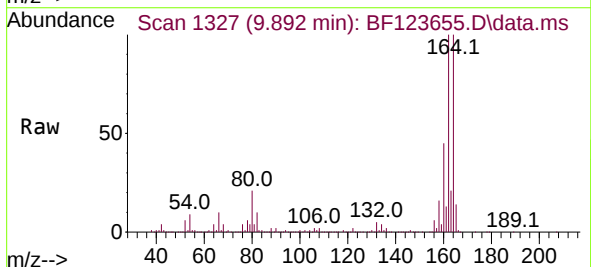
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

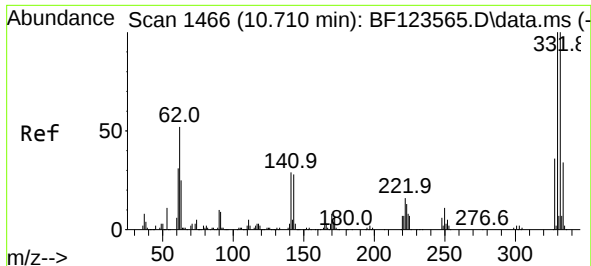
Tgt Ion:142 Resp: 64351
Ion Ratio Lower Upper
142 100
141 85.5 71.8 107.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:164 Resp: 446154
Ion Ratio Lower Upper
164 100
162 99.9 80.7 121.1
160 45.4 37.3 55.9

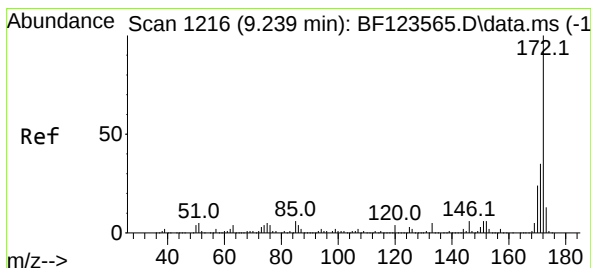
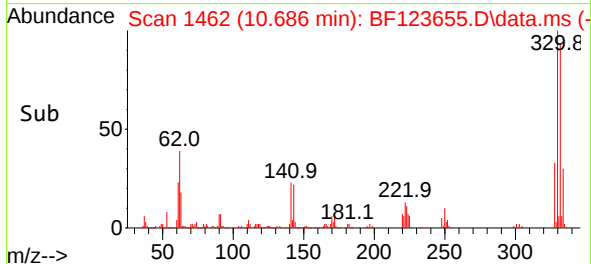
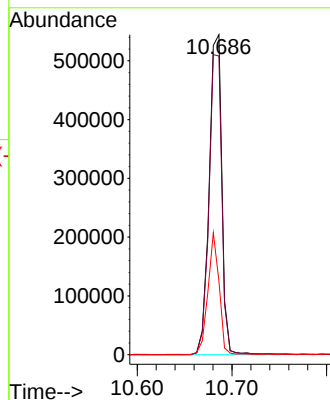
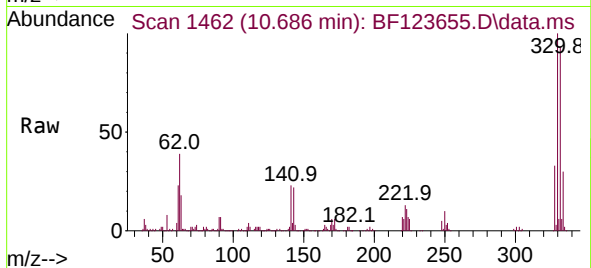




#42
2,4,6-Tribromophenol
Concen: 100.08 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

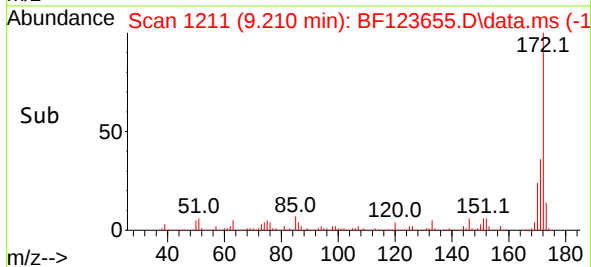
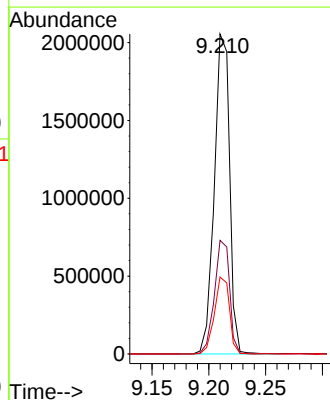
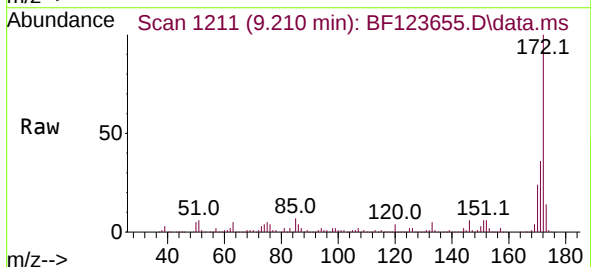
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

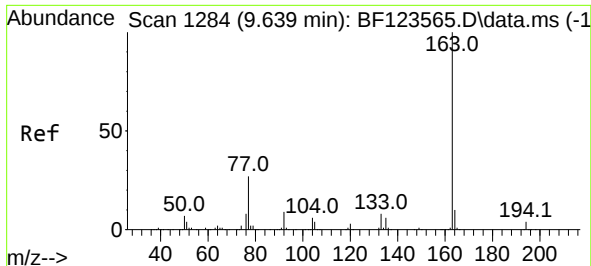
Tgt Ion: 330 Resp: 505647
Ion Ratio Lower Upper
330 100
332 95.4 77.1 115.7
141 33.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 64.29 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion: 172 Resp: 1924278
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.1 19.2 28.8

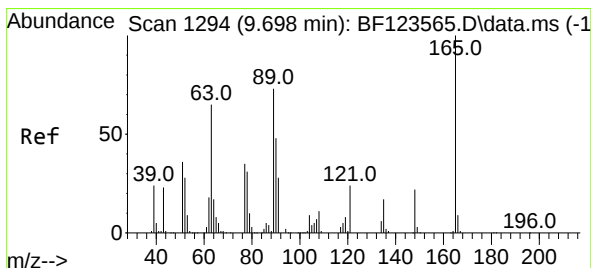
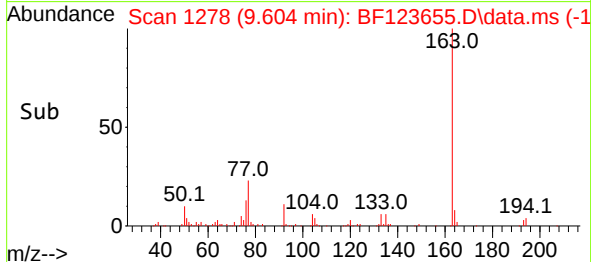
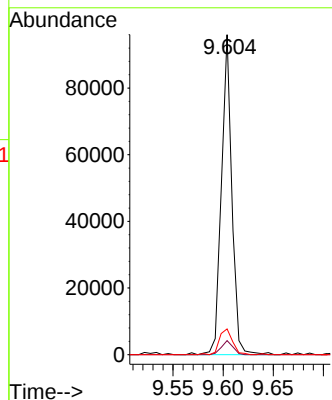
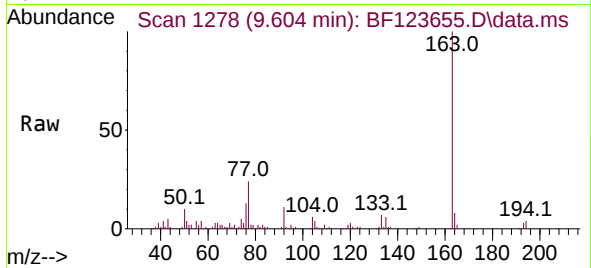




#50
Dimethylphthalate
Concen: 2.25 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

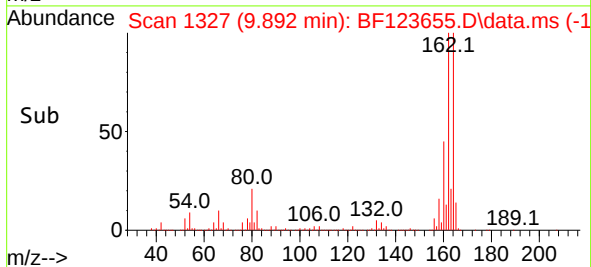
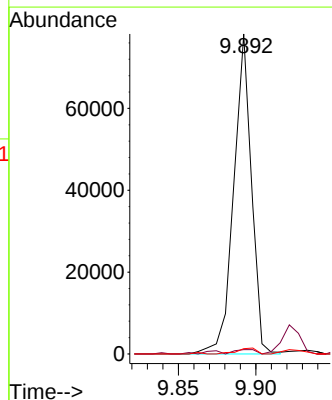
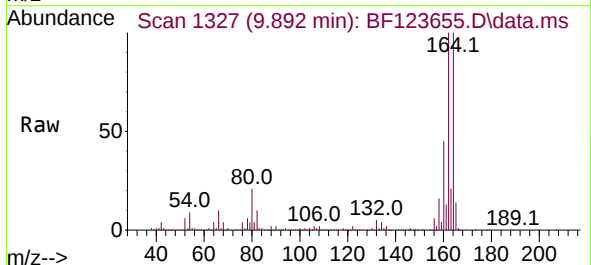
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

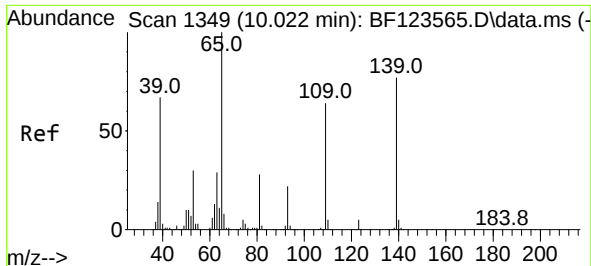
Tgt Ion:163 Resp: 69473
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 8.1 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.21 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:165 Resp: 62307
Ion Ratio Lower Upper
165 100
63 1.3 67.7 101.5#
89 1.6 58.8 88.2#

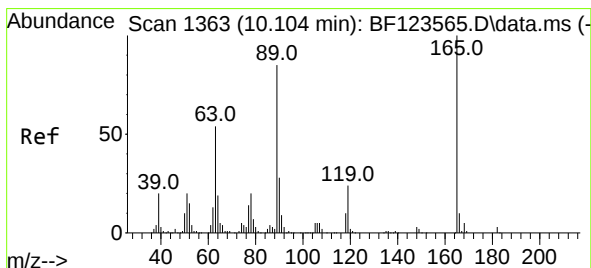
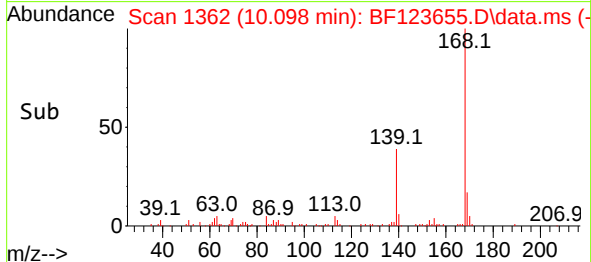
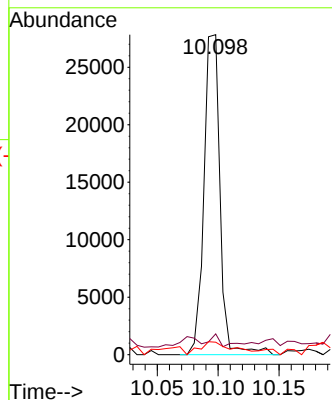
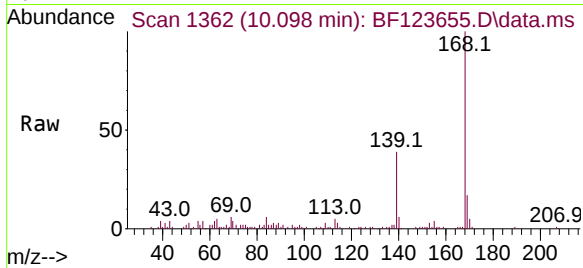




#56
4-Nitrophenol
Concen: 4.26 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

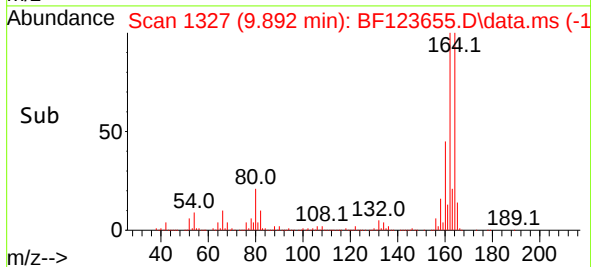
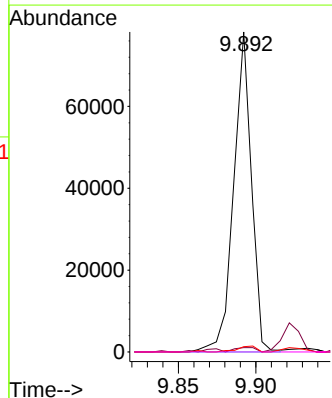
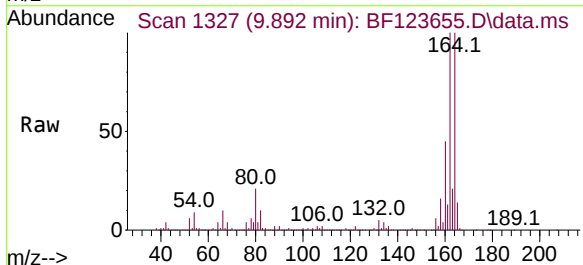
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

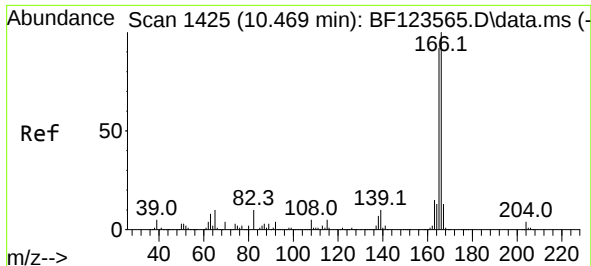
Tgt Ion:139 Resp: 25640
Ion Ratio Lower Upper
139 100
109 6.5 63.2 103.2#
65 3.9 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.89 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:165 Resp: 62307
Ion Ratio Lower Upper
165 100
63 1.3 43.5 65.3#
89 1.6 67.7 101.5#
182 0.0 2.1 3.1#

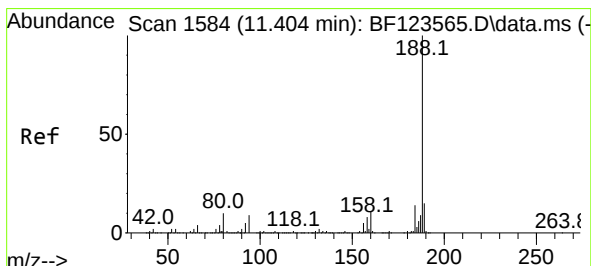
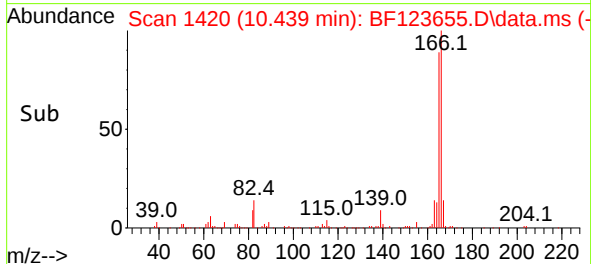
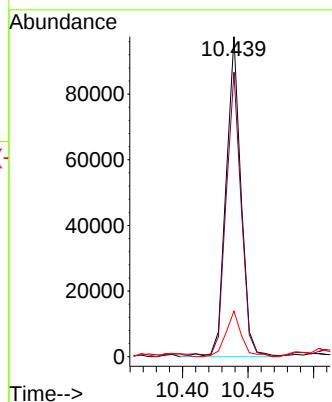
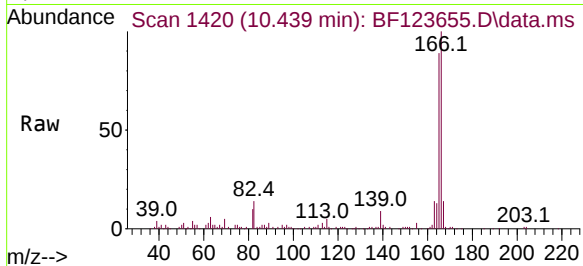




#58
Fluorene
Concen: 2.48 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

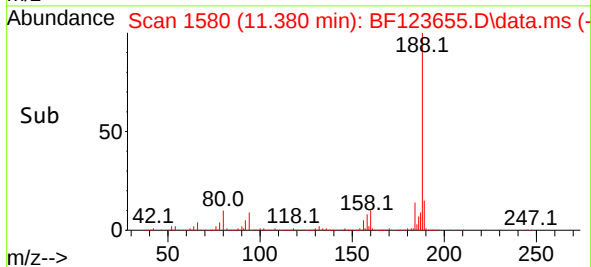
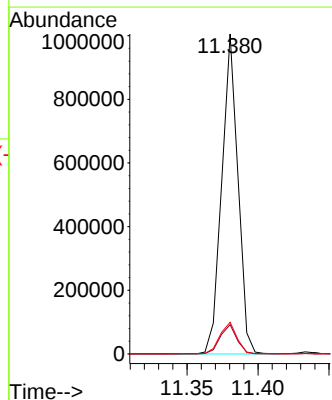
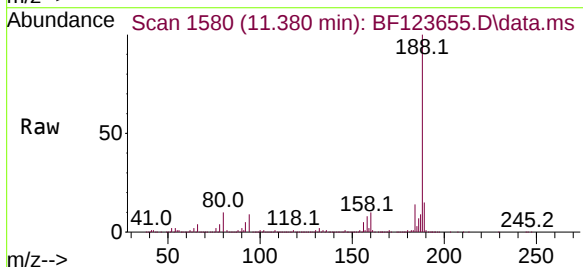
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

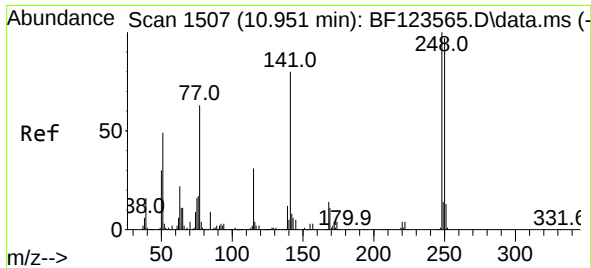
Tgt Ion:166 Resp: 77102
Ion Ratio Lower Upper
166 100
165 88.9 73.5 110.3
167 14.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:188 Resp: 795510
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 9.9 8.2 12.2

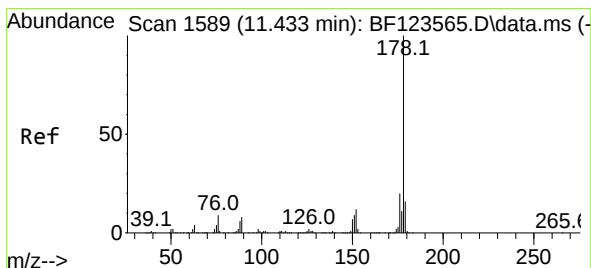
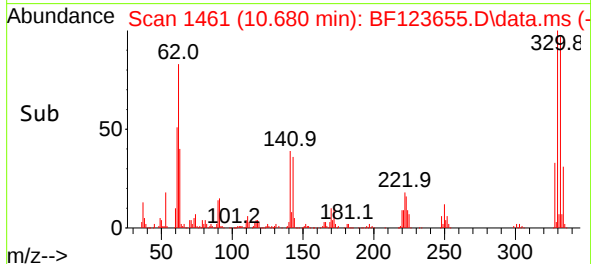
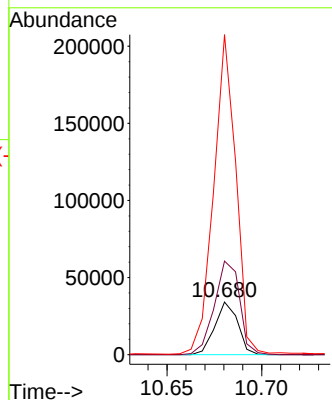
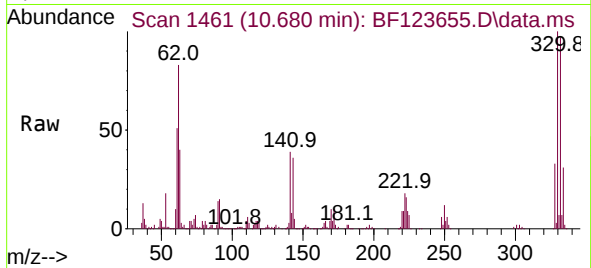




#67
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

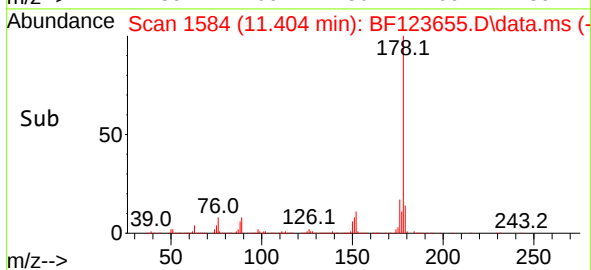
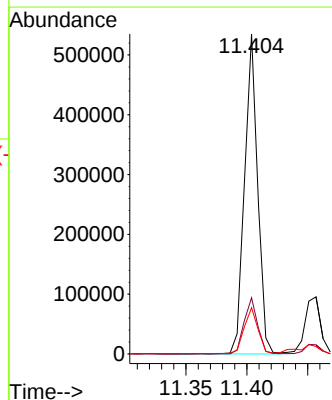
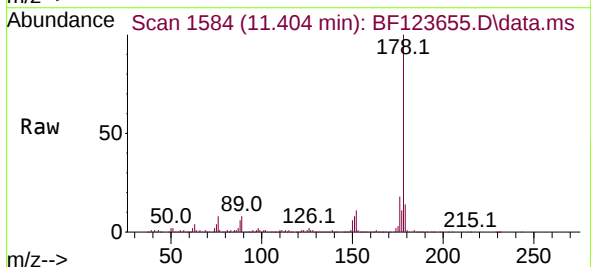
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

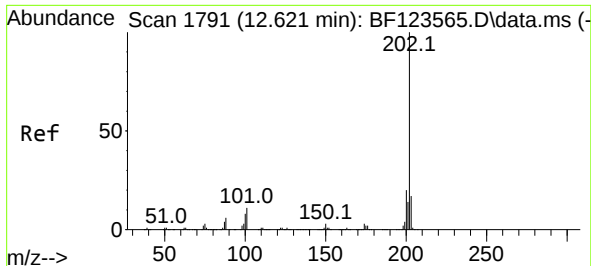
Tgt Ion:248 Resp: 28776
Ion Ratio Lower Upper
248 100
250 178.0 77.4 116.2#
141 608.0 63.7 95.5#



#71
Phenanthrene
Concen: 9.66 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:178 Resp: 401088
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 14.4 12.5 18.7

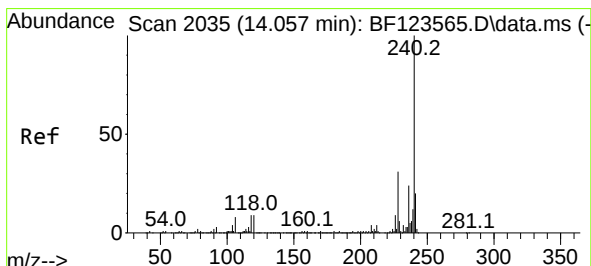
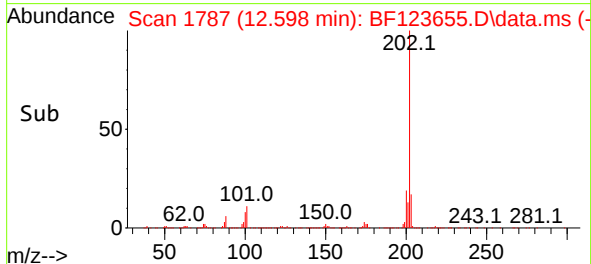
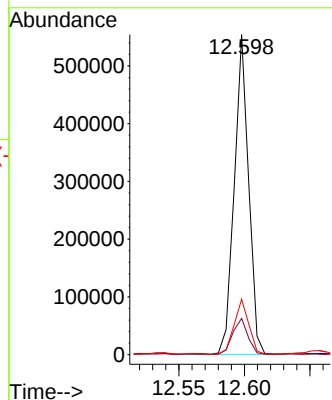
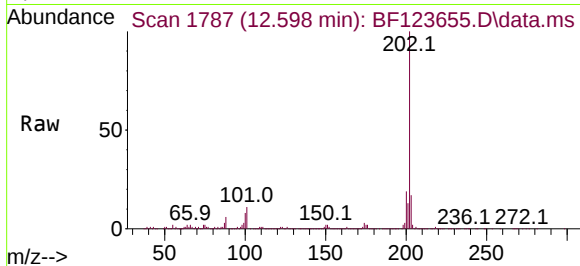




#75
Fluoranthene
Concen: 9.23 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

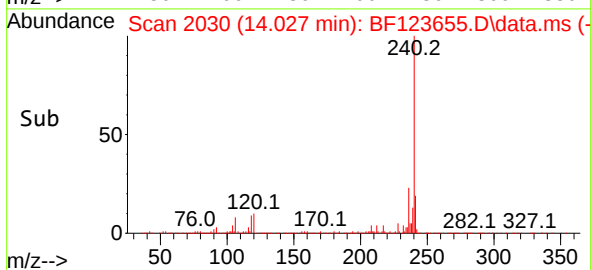
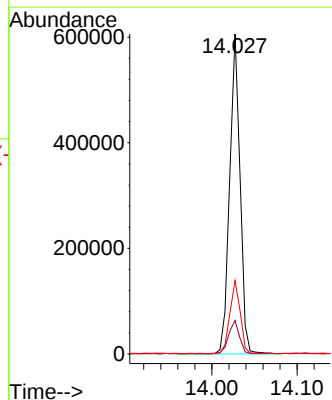
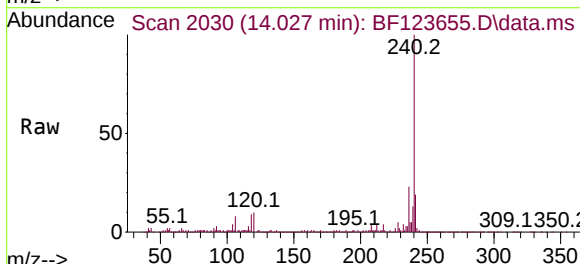
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

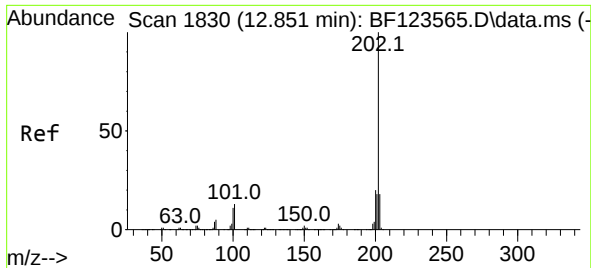
Tgt Ion:	202	Resp:	421255
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	30.9
203	17.4	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:	240	Resp:	516643
Ion Ratio	Lower	Upper	
240	100		
120	10.5	7.2	10.8
236	23.0	19.0	28.4

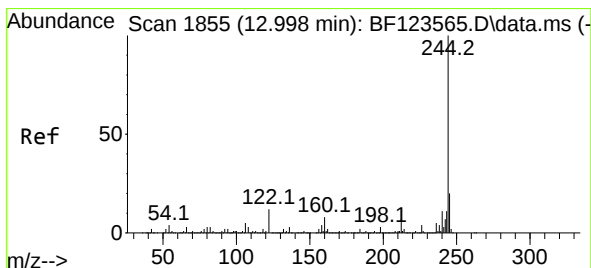
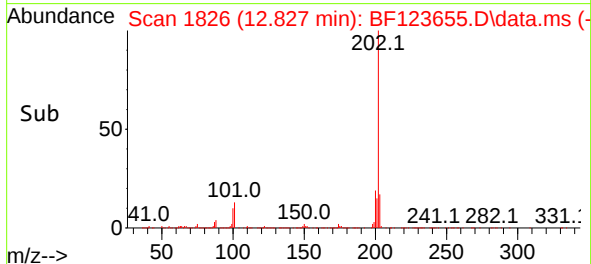
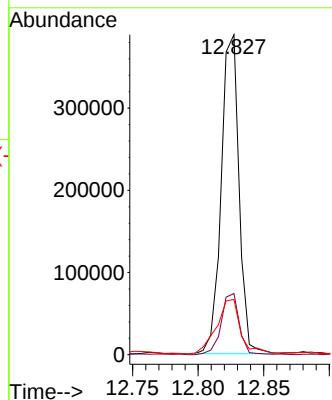
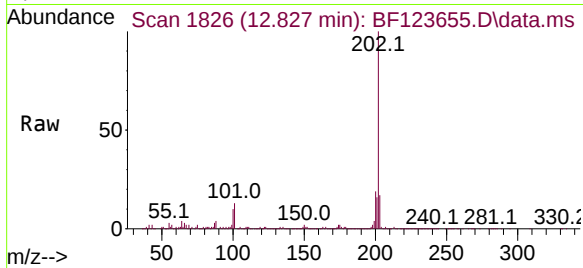




#78
Pyrene
Concen: 9.72 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

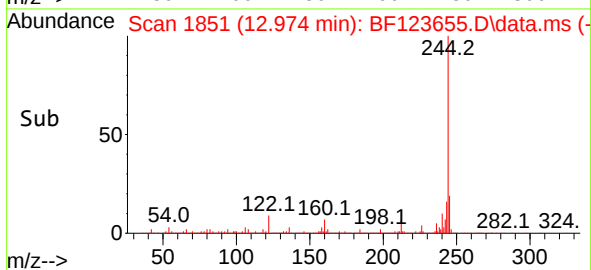
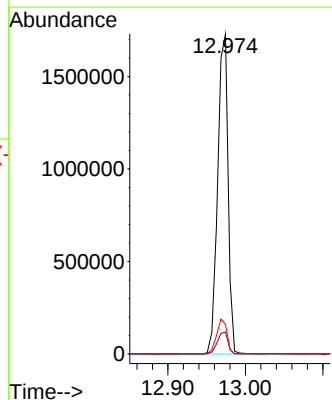
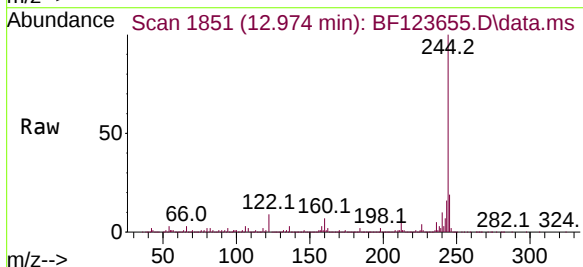
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

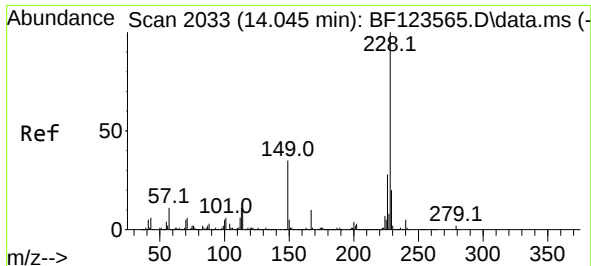
Tgt Ion:202 Resp: 366418
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 17.3 14.8 22.2



#79
Terphenyl-d14
Concen: 60.63 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:244 Resp: 1611601
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 9.2 9.7 14.5#

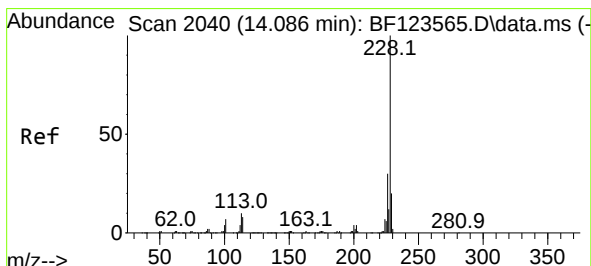
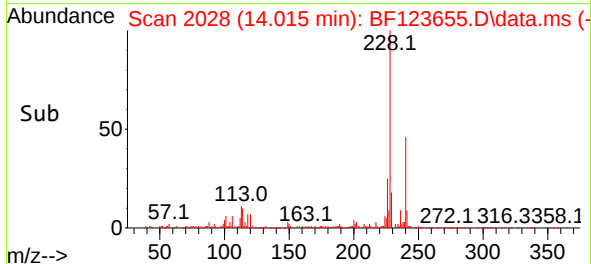
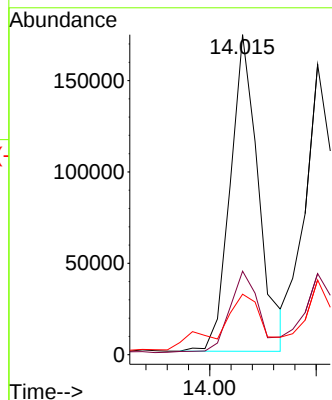
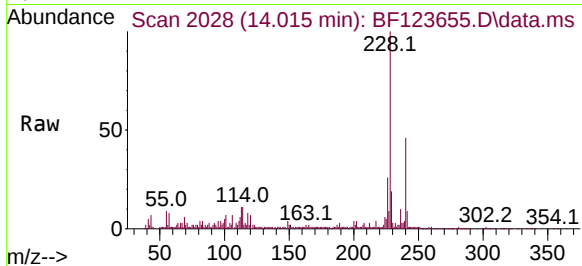




#81
Benzo(a)anthracene
Concen: 5.06 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

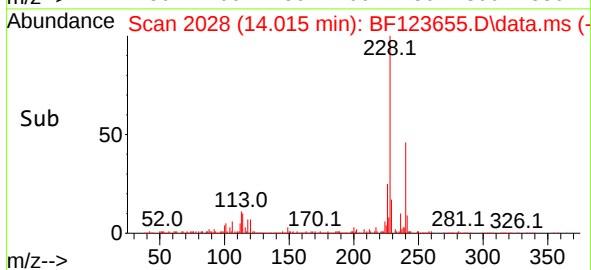
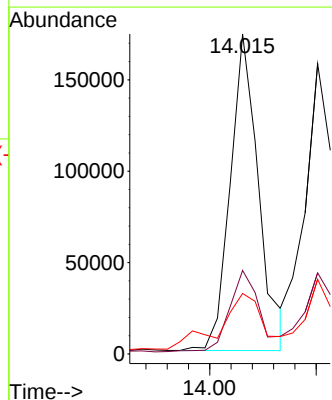
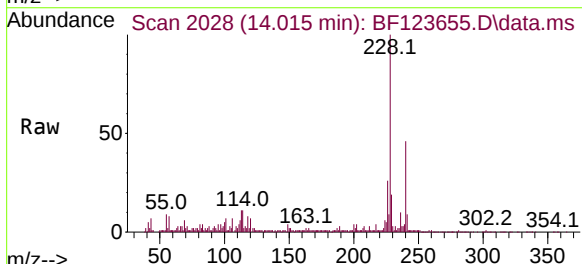
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

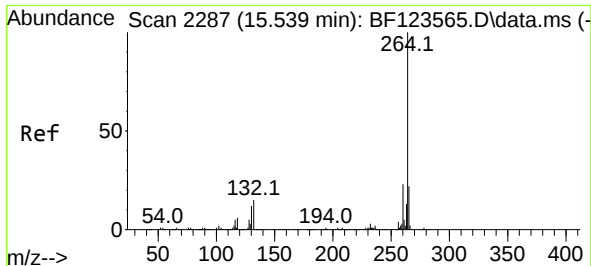
Tgt Ion:228 Resp: 160239
Ion Ratio Lower Upper
228 100
226 26.1 22.4 33.6
229 18.9 16.0 24.0



#83
Chrysene
Concen: 5.04 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.047 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:228 Resp: 160239
Ion Ratio Lower Upper
228 100
226 26.1 24.3 36.5
229 18.9 16.2 24.2

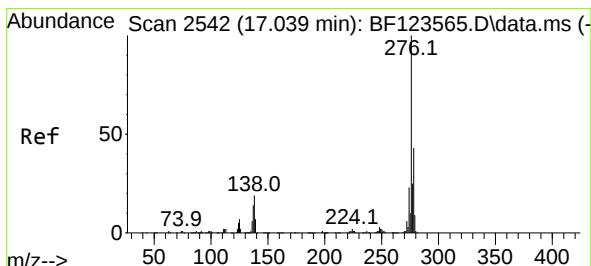
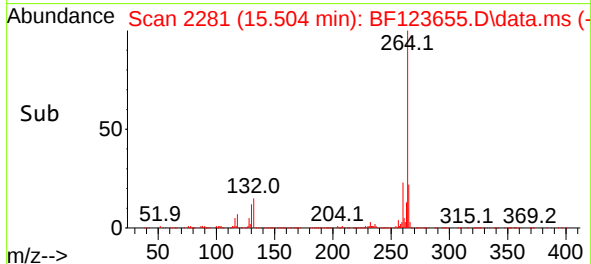
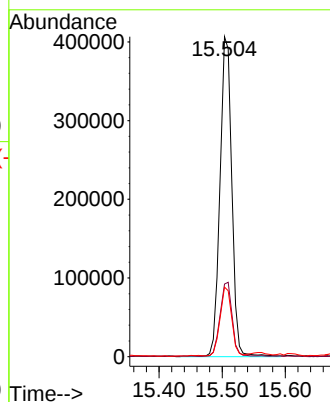
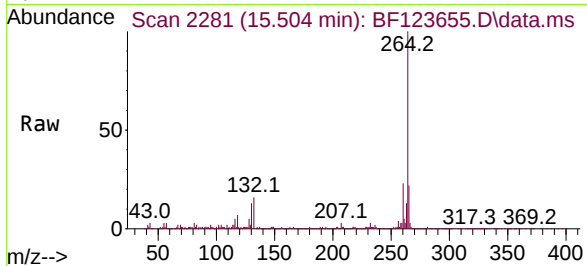




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

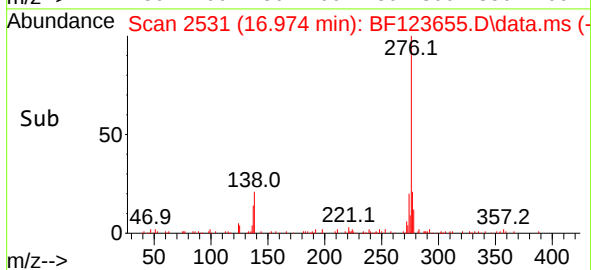
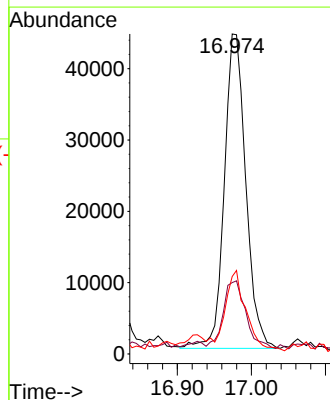
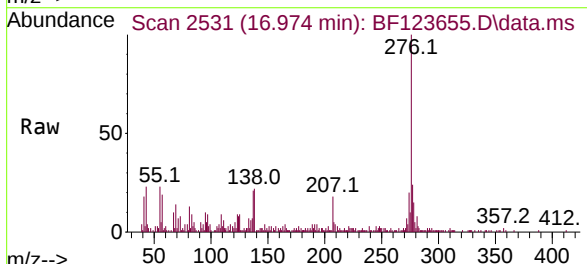
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

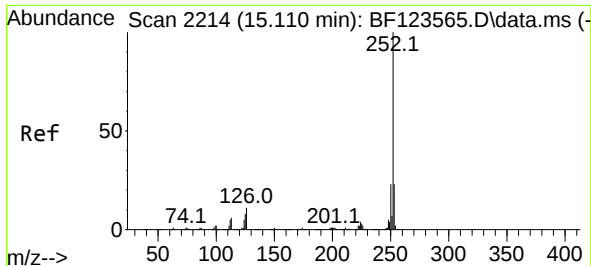
Tgt Ion:264 Resp: 529532
Ion Ratio Lower Upper
264 100
260 22.7 18.7 28.1
265 21.8 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.15 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:276 Resp: 88913
Ion Ratio Lower Upper
276 100
138 23.4 16.2 24.2
277 24.0 20.1 30.1

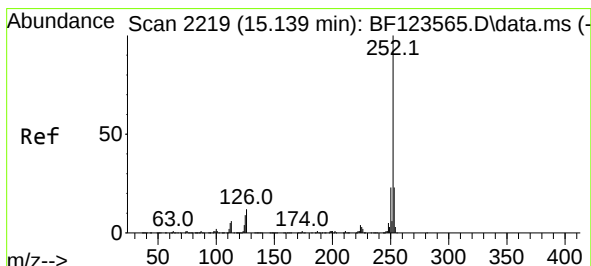
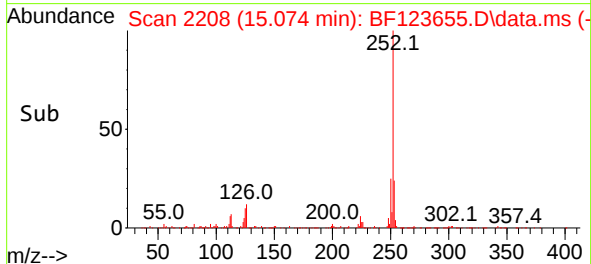
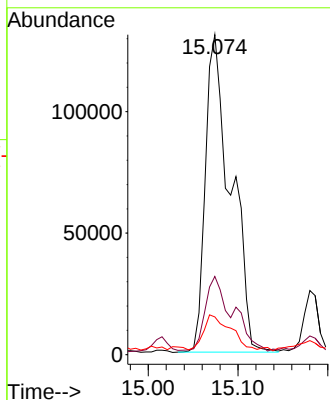
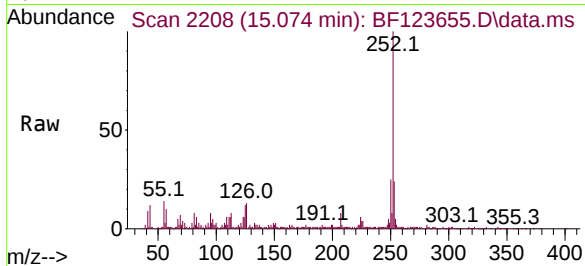




#88
Benzo(b)fluoranthene
Concen: 6.87 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

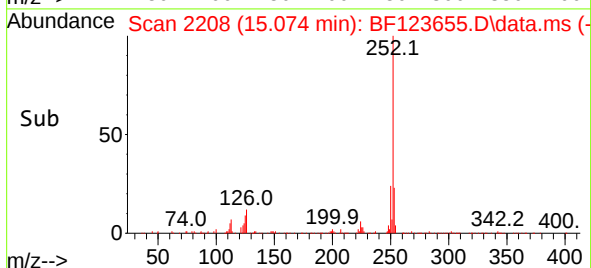
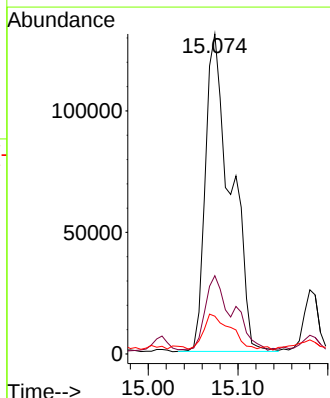
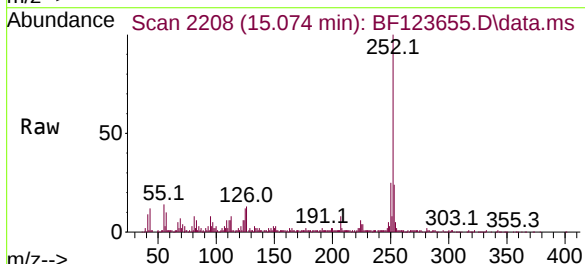
Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

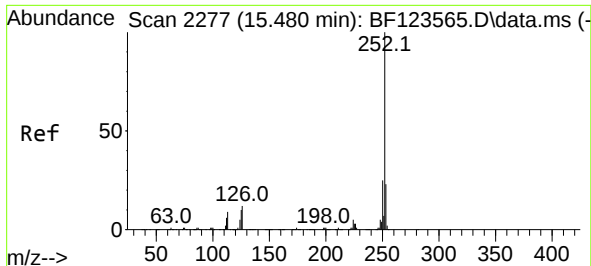
Tgt Ion:252 Resp: 256724
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 11.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.30 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:252 Resp: 256724
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 11.8 7.0 10.6#

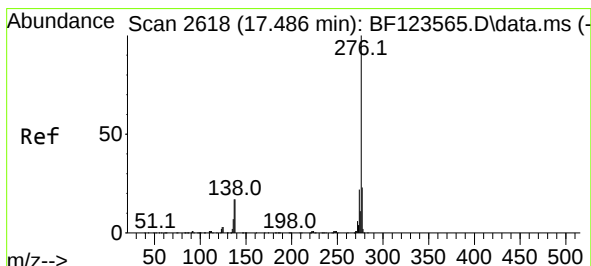
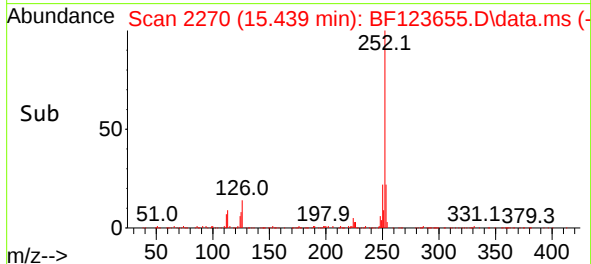
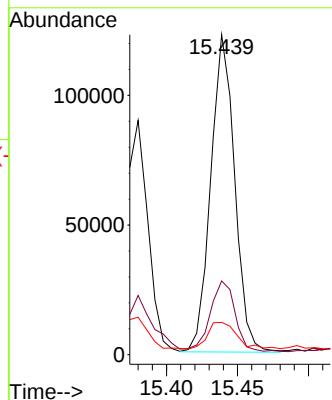
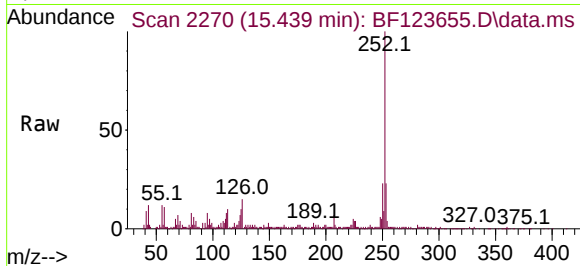




#90
Benzo(a)pyrene
Concen: 4.82 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Instrument :
BNA_F
ClientSampleId :
SB-18-14.5-15.0

Tgt Ion:252 Resp: 143252
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 10.1 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 3.75 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF123655.D
Acq: 20 Apr 2021 21:55

Tgt Ion:276 Resp: 82343
Ion Ratio Lower Upper
276 100
277 23.1 18.2 27.2
138 17.9 13.8 20.6

