

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
 Data File : BF123669.D
 Acq On : 21 Apr 2021 16:13
 Operator : JU/CG
 Sample : M2077-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 21 18:11:28 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

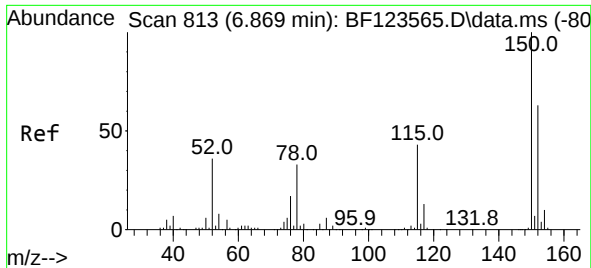
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	204471	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	770943	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	368194	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	651746	20.00	ng	0.00
76) Chrysene-d12	14.027	240	452925	20.00	ng	0.00
86) Perylene-d12	15.510	264	476362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1211638	95.78	ng	0.00
7) Phenol-d6	6.481	99	1536369	87.64	ng	-0.01
23) Nitrobenzene-d5	7.410	82	1076211	64.17	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	378275	90.73	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1549874	62.75	ng	0.00
79) Terphenyl-d14	12.974	244	1282264	55.02	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	143474	12.35	ng	# 76
25) Isophorone	7.410	82	1076198	33.08	ng	# 69
31) Naphthalene	8.157	128	527438	13.28	ng	99
32) Benzoic acid	7.916	122	686	4.63	ng	# 34
33) 4-Chloroaniline	8.157	127	69182	4.24	ng	# 32
37) 2-Methylnaphthalene	8.851	142	439892	16.89	ng	98
38) 1-Methylnaphthalene	8.945	142	259162	10.52	ng	97
46) 1,1'-Biphenyl	9.310	154	84641	2.94	ng	97
50) Dimethylphthalate	9.604	163	66205	2.60	ng	99
51) 2,6-Dinitrotoluene	9.892	165	55372	9.92	ng	# 12
52) Acenaphthene	9.928	154	287739	12.64	ng	97
55) Dibenzofuran	10.098	168	402791	12.34	ng	96
56) 4-Nitrophenol	10.098	139	159124	32.06	ng	# 1
58) Fluorene	10.439	166	397282	15.48	ng	100
67) 4-Bromophenyl-phenylether	10.681	248	21576	3.17	ng	# 1
71) Phenanthrene	11.410	178	1351265	39.73	ng	100
72) Anthracene	11.457	178	166728	4.90	ng	97
73) Carbazole	11.610	167	133253	3.93	ng	99
75) Fluoranthene	12.610	202	718297	19.22	ng	98
78) Pyrene	12.827	202	501580	15.17	ng	99
81) Benzo(a)anthracene	14.016	228	125128	4.51	ng	95
83) Chrysene	14.051	228	104834	3.76	ng	97
88) Benzo(b)fluoranthene	15.074	252	134344	3.99	ng	# 92
89) Benzo(k)fluoranthene	15.074	252	134344	2.98	ng	# 93
90) Benzo(a)pyrene	15.445	252	69776	2.61	ng	# 96

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

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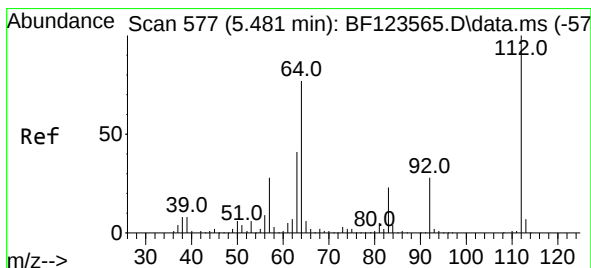
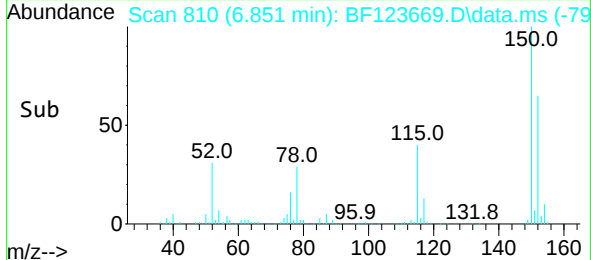
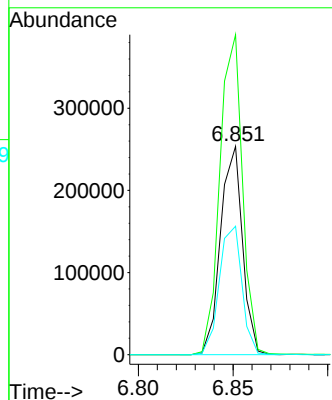
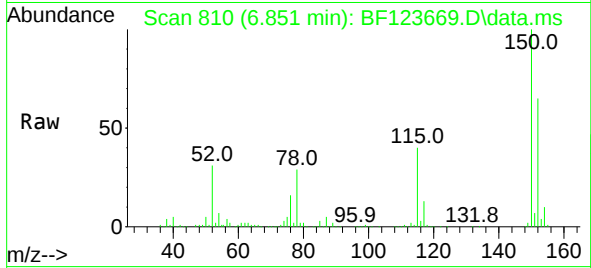




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

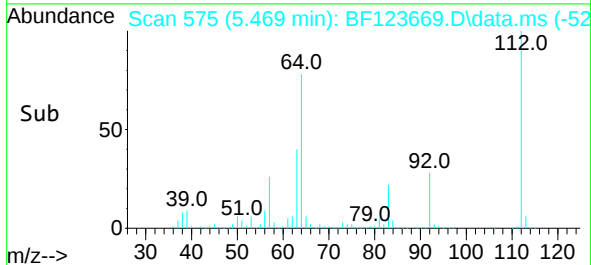
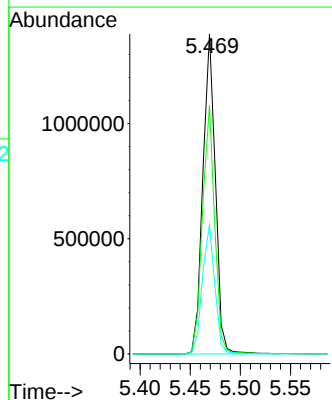
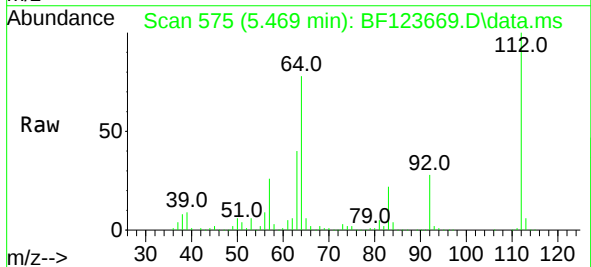
Instrument :
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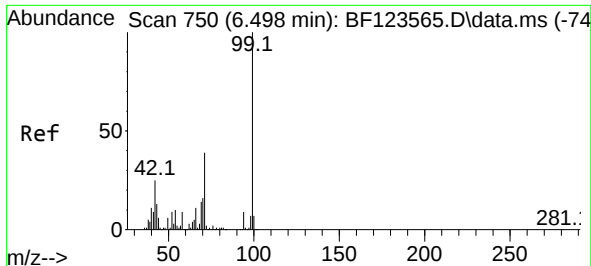
Tgt Ion:152 Resp: 204471
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.6
115 61.7 54.3 81.5



#5
2-Fluorophenol
Concen: 95.78 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:112 Resp: 1211638
Ion Ratio Lower Upper
112 100
64 77.7 61.4 92.0
63 40.4 33.0 49.4

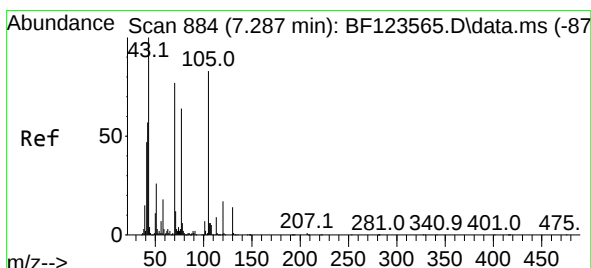
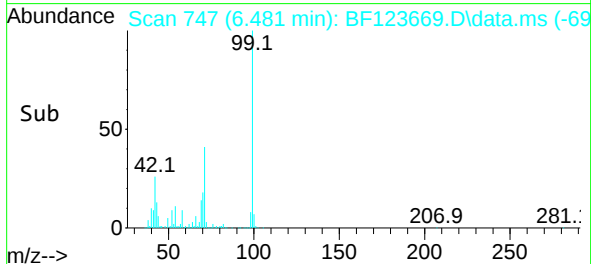
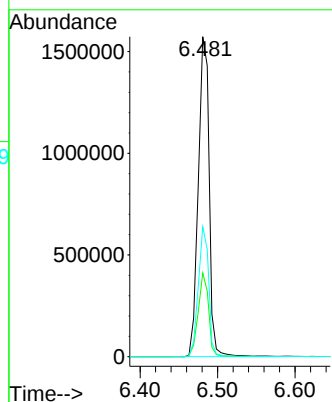
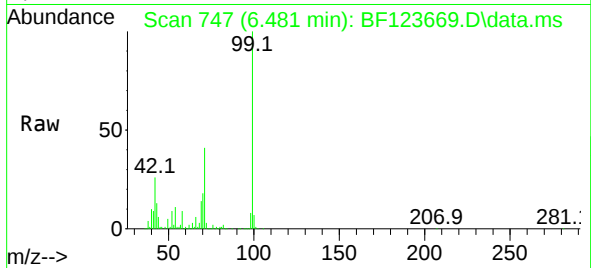




#7
Phenol-d6
Concen: 87.64 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

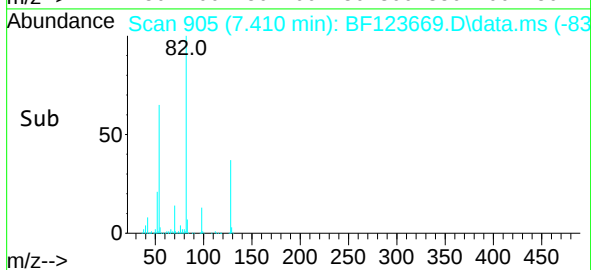
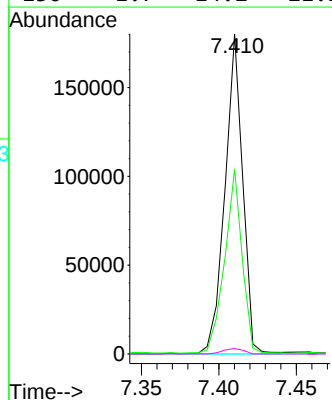
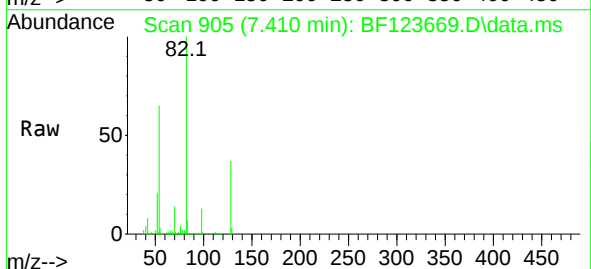
Instrument :
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ClientSampleId :
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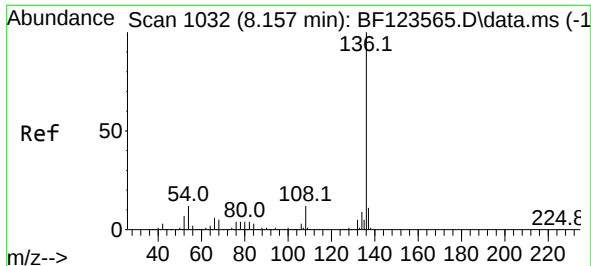
Tgt Ion: 99 Resp: 1536369
Ion Ratio Lower Upper
99 100
42 26.2 19.8 29.8
71 40.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.35 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion: 70 Resp: 143474
Ion Ratio Lower Upper
70 100
42 57.8 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#

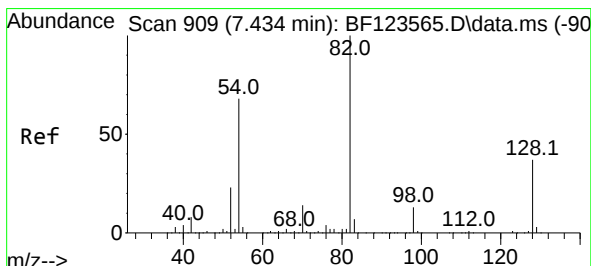
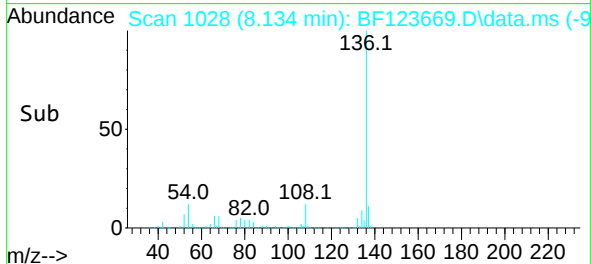
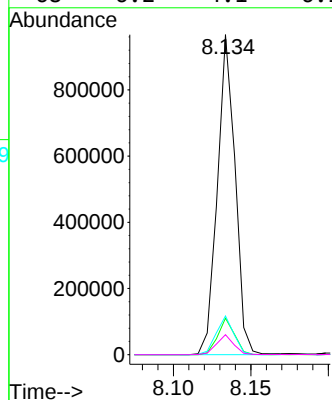
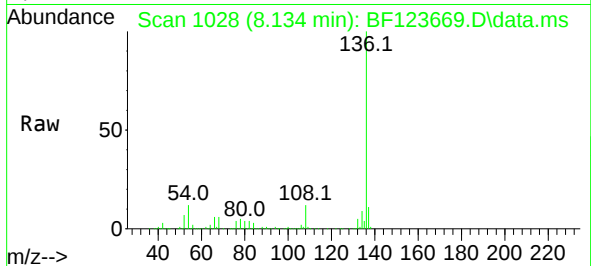




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

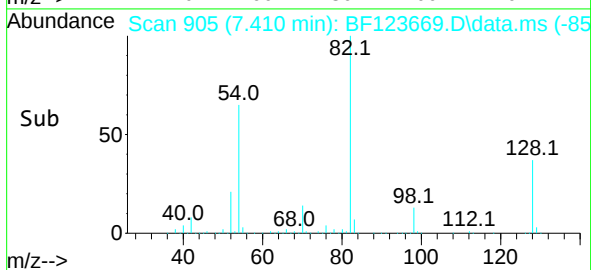
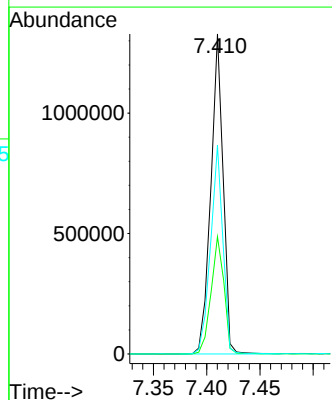
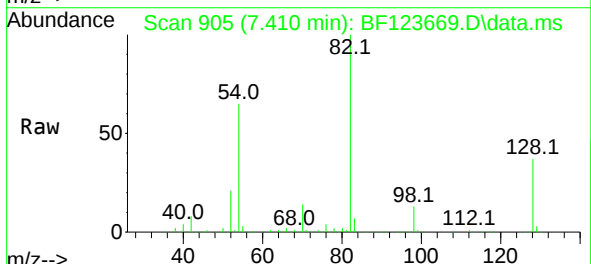
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

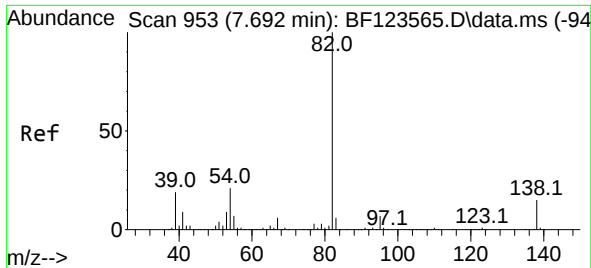
Tgt	Ion:136	Resp:	770943
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	12.1	9.8	14.6
68	6.2	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 64.17 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion: 82		Resp: 1076211	
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.4	44.2
54	65.1	54.1	81.1

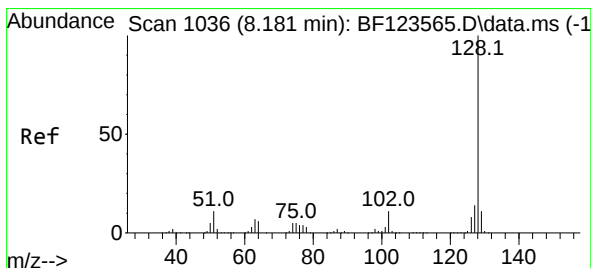
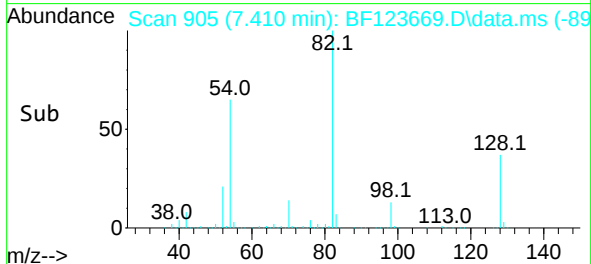
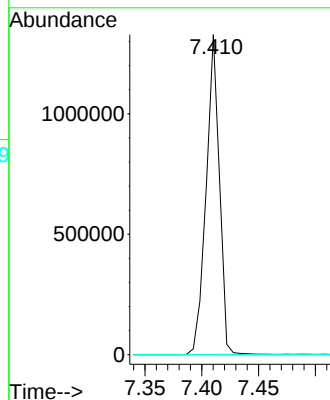
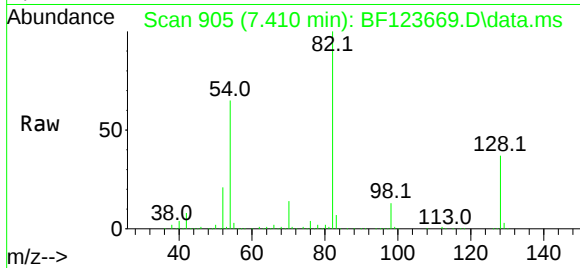




#25
Isophorone
Concen: 33.08 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

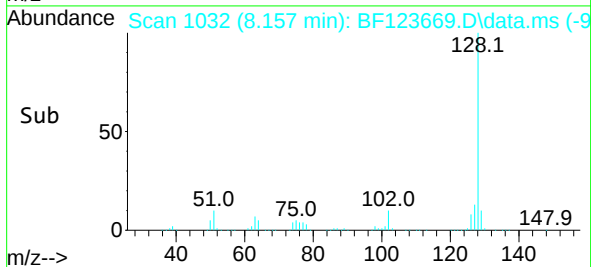
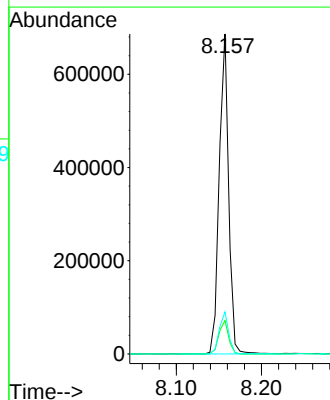
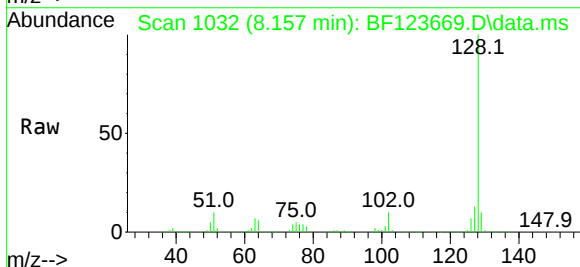
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SB-20-14.5-15.0-DUP

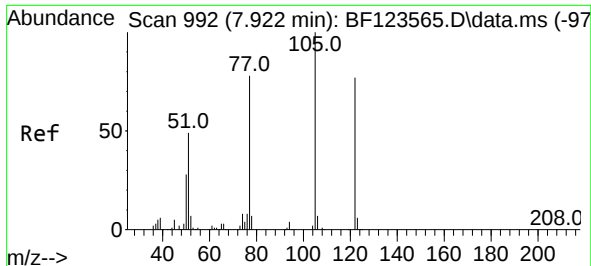
Tgt Ion: 82 Resp: 1076198
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 13.28 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion: 128 Resp: 527438
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 13.2 10.8 16.2

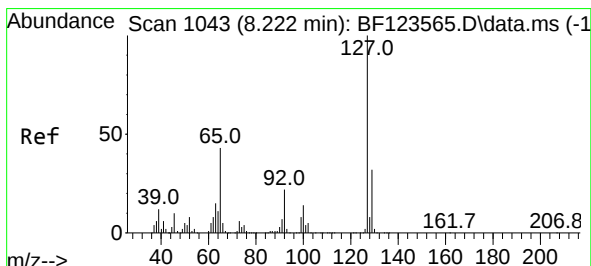
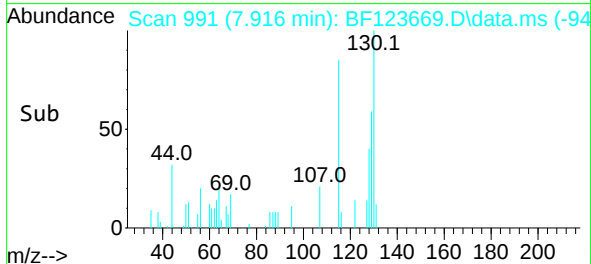
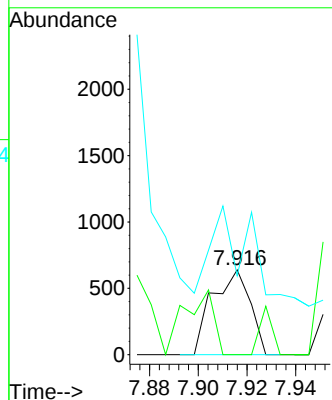
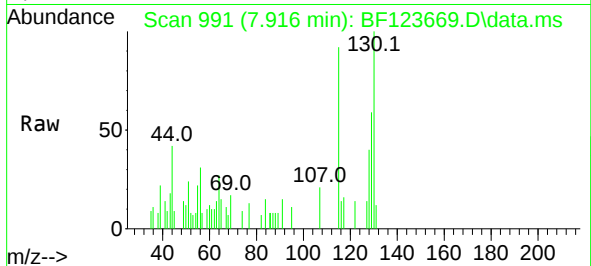




#32
Benzoic acid
Concen: 4.63 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

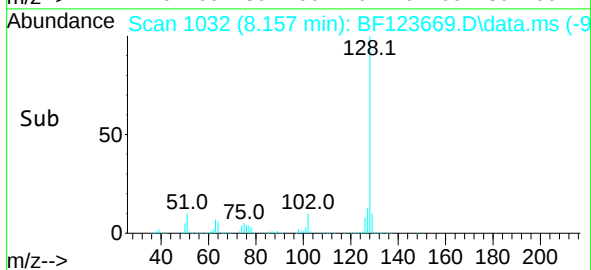
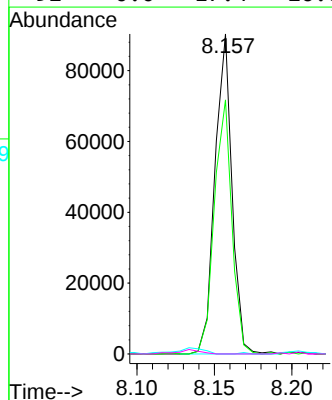
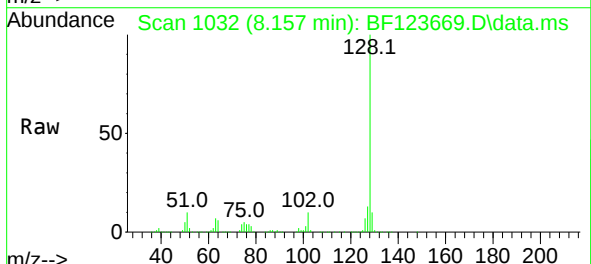
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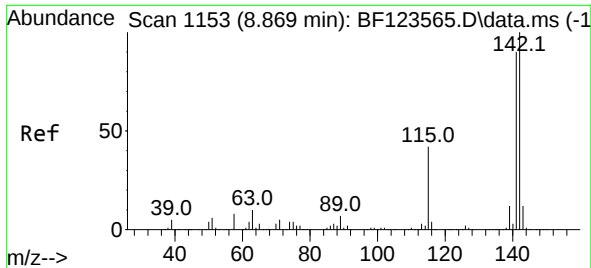
Tgt Ion:122 Resp: 686
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 93.0 81.6 121.6



#33
4-Chloroaniline
Concen: 4.24 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.053 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:127 Resp: 69182
Ion Ratio Lower Upper
127 100
129 79.4 25.7 38.5#
65 0.0 34.5 51.7#
92 0.0 17.4 26.0#

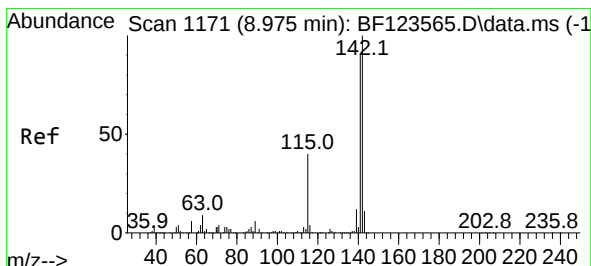
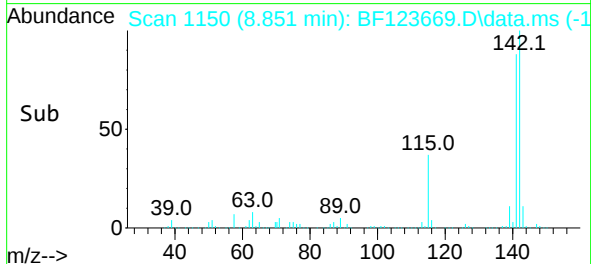
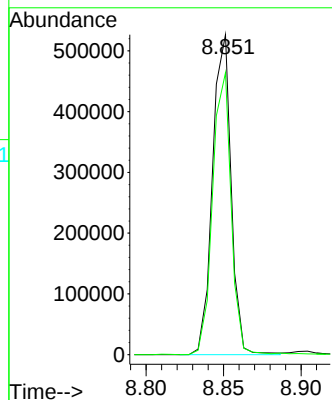
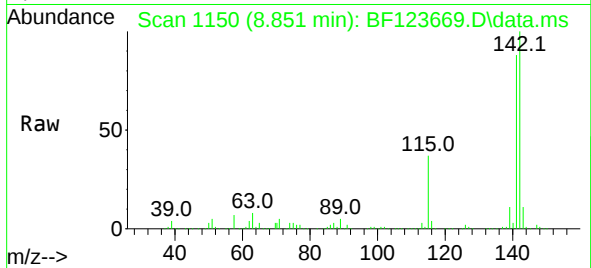




#37
2-Methylnaphthalene
Concen: 16.89 ng
RT: 8.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

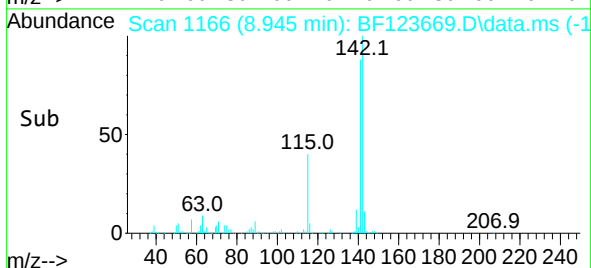
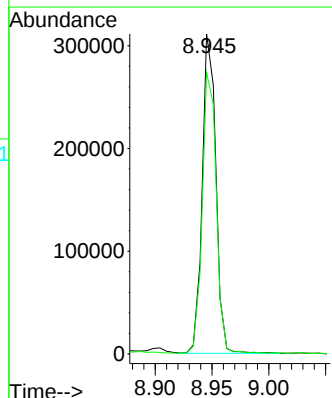
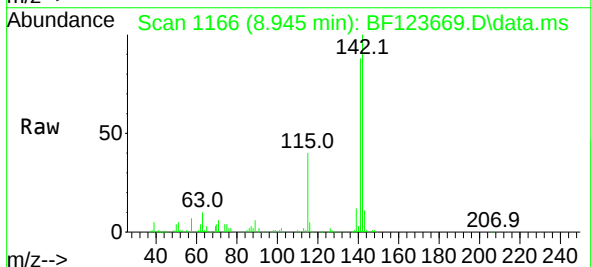
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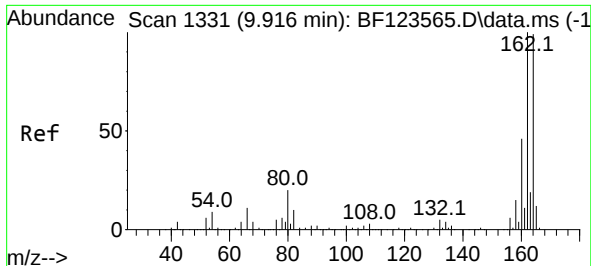
Tgt Ion:142 Resp: 439892
Ion Ratio Lower Upper
142 100
141 88.1 71.8 107.6



#38
1-Methylnaphthalene
Concen: 10.52 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:142 Resp: 259162
Ion Ratio Lower Upper
142 100
141 87.9 72.8 109.2

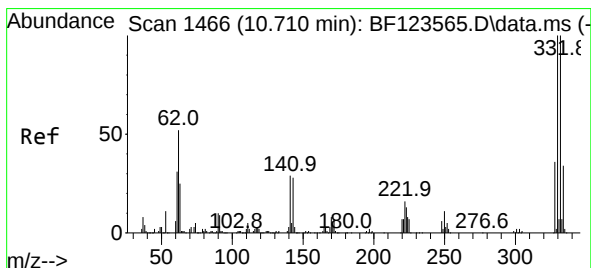
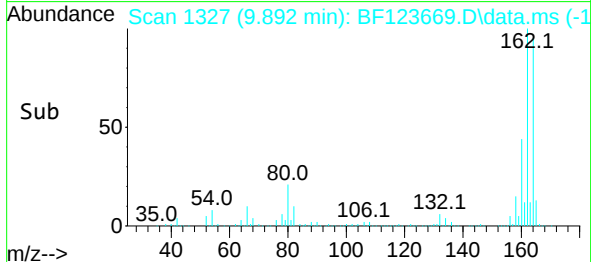
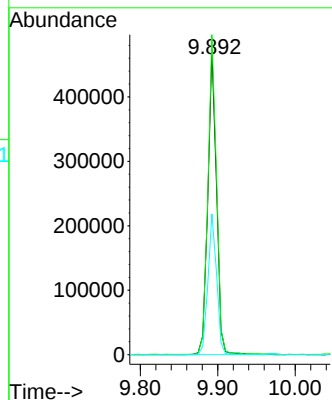
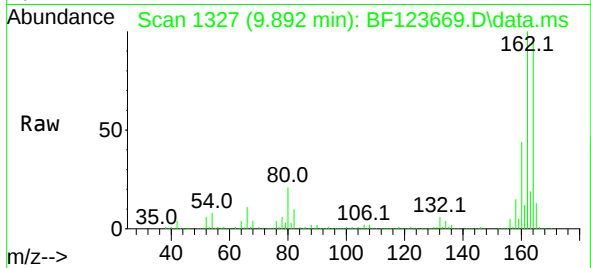




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

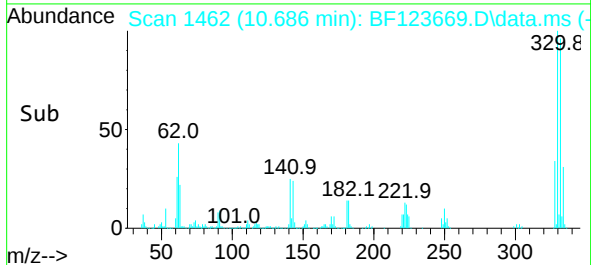
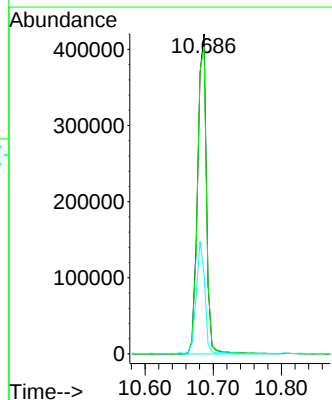
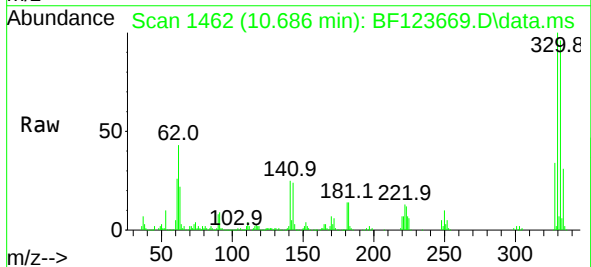
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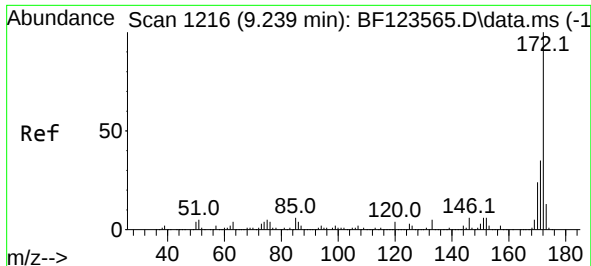
Tgt Ion:164 Resp: 368194
Ion Ratio Lower Upper
164 100
162 104.8 80.7 121.1
160 46.1 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 90.73 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:330 Resp: 378275
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 34.3 27.9 41.9

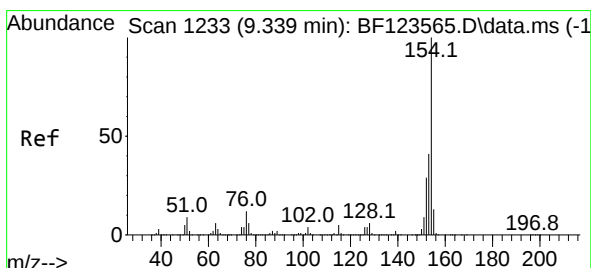
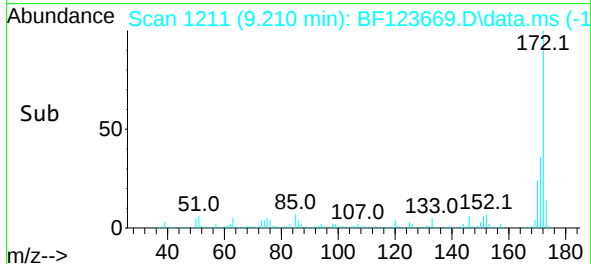
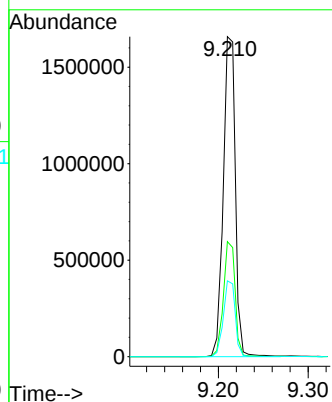
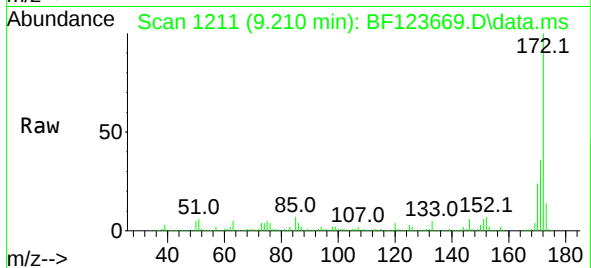




#45
2-Fluorobiphenyl
Concen: 62.75 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

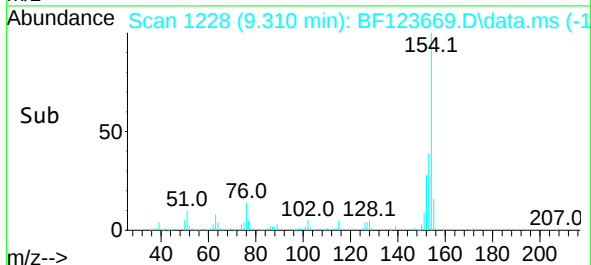
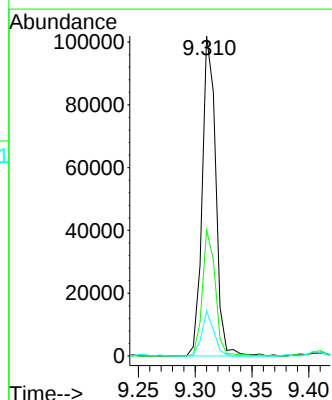
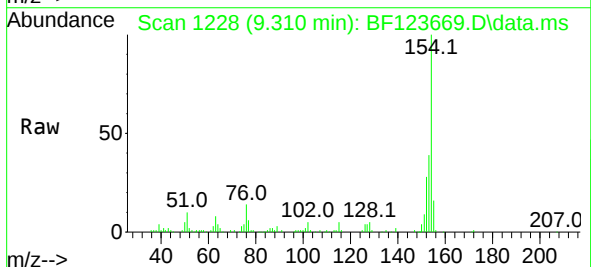
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

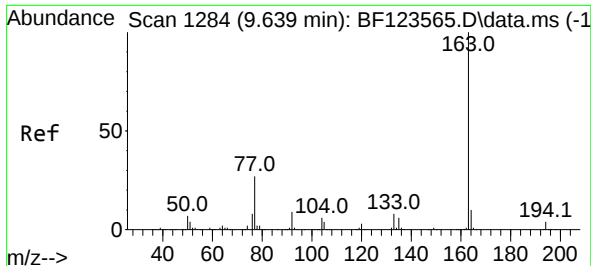
Tgt Ion:172 Resp: 1549874
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 23.7 19.2 28.8



#46
1,1'-Biphenyl
Concen: 2.94 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:154 Resp: 84641
Ion Ratio Lower Upper
154 100
153 39.4 20.7 60.7
76 13.9 0.0 31.7

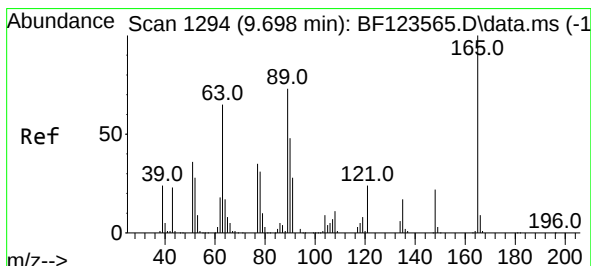
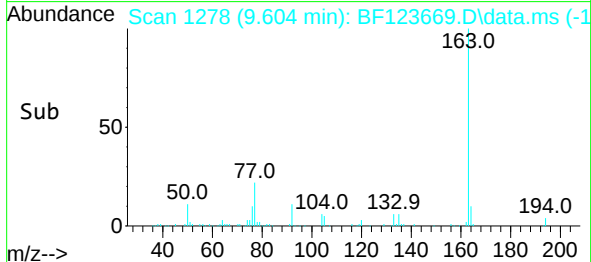
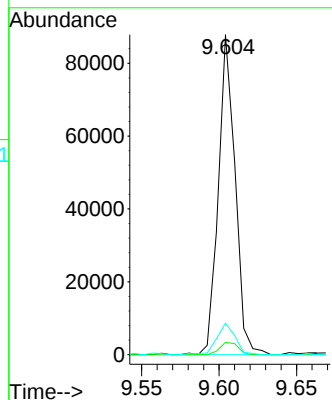
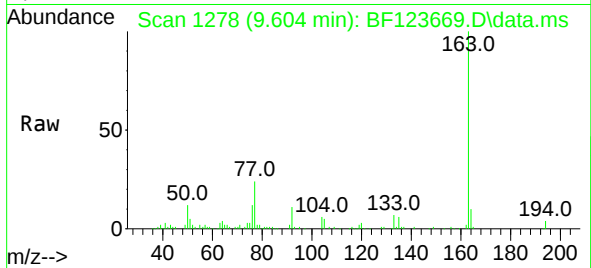




#50
Dimethylphthalate
Concen: 2.60 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

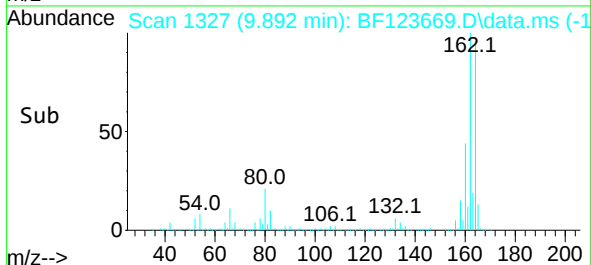
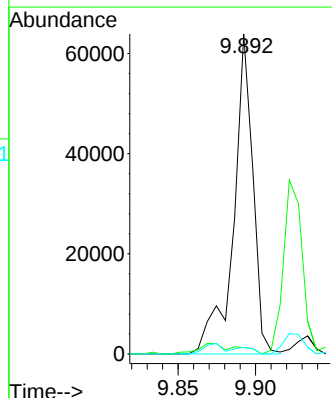
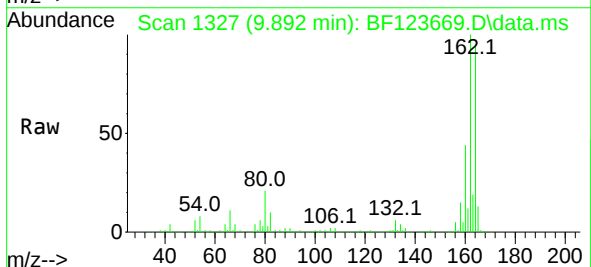
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

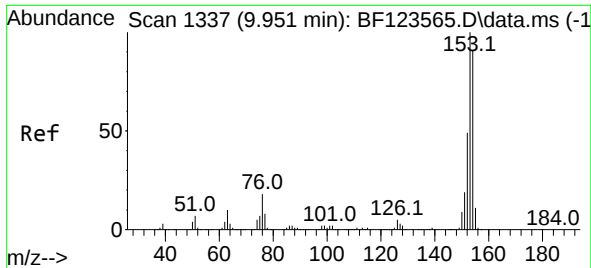
Tgt Ion:163 Resp: 66205
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 9.92 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:165 Resp: 55372
Ion Ratio Lower Upper
165 100
63 2.0 67.7 101.5#
89 2.0 58.8 88.2#

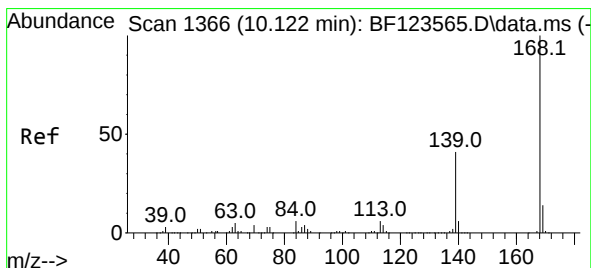
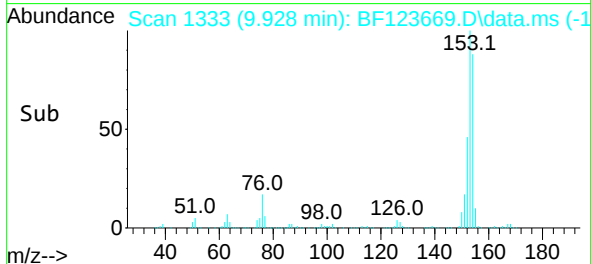
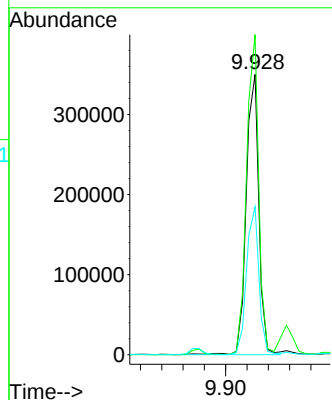
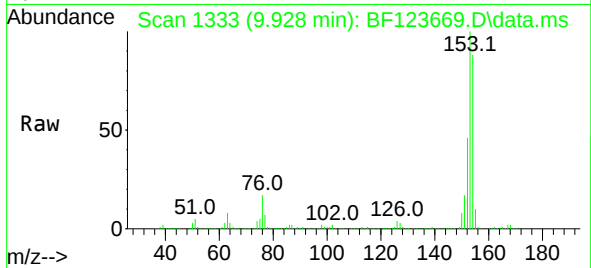




#52
Acenaphthene
Concen: 12.64 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

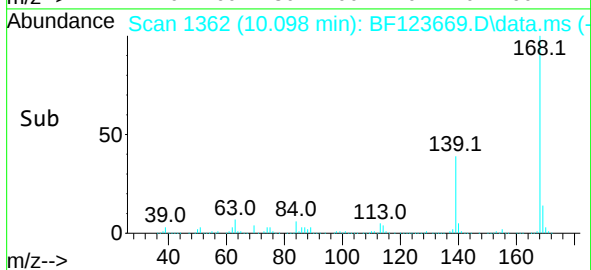
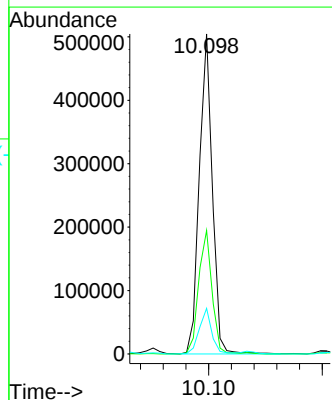
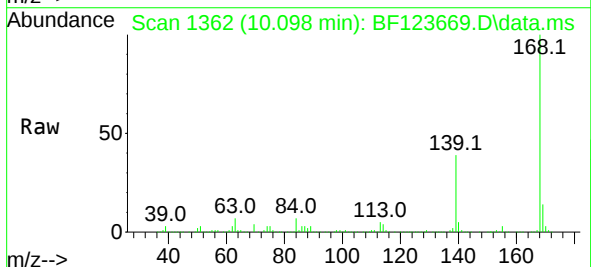
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

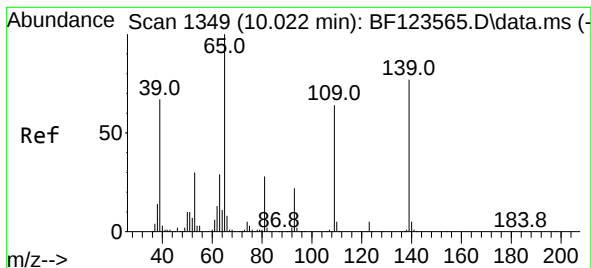
Tgt Ion:154 Resp: 287739
Ion Ratio Lower Upper
154 100
153 114.1 88.1 132.1
152 52.8 43.4 65.0



#55
Dibenzofuran
Concen: 12.34 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:168 Resp: 402791
Ion Ratio Lower Upper
168 100
139 38.6 33.2 49.8
169 14.3 10.8 16.2

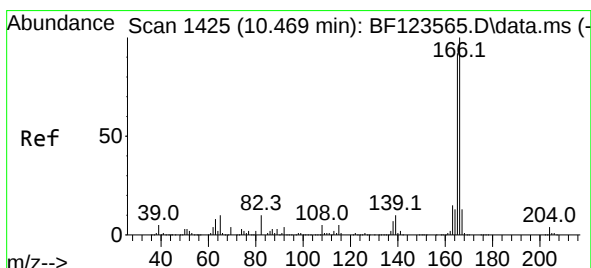
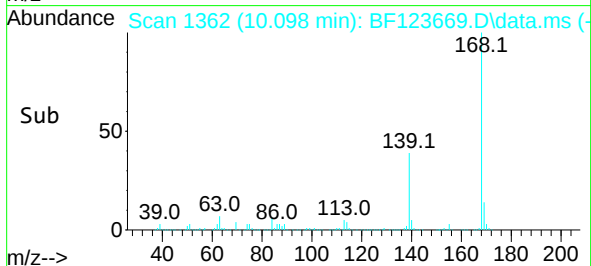
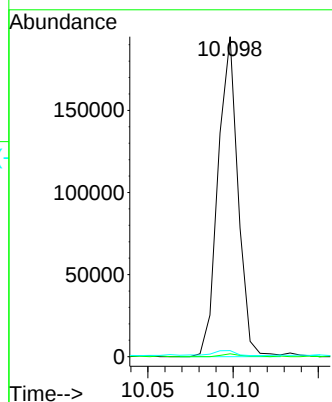
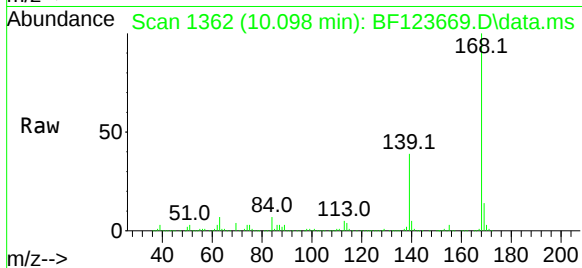




#56
4-Nitrophenol
Concen: 32.06 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

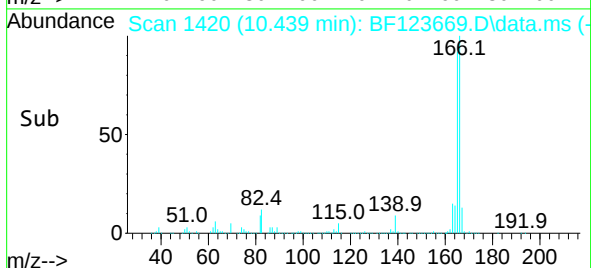
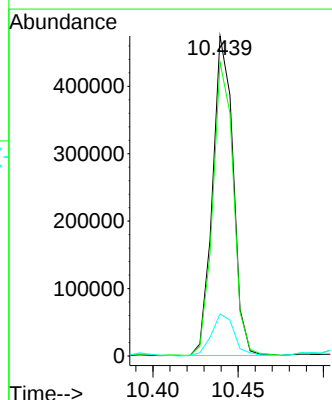
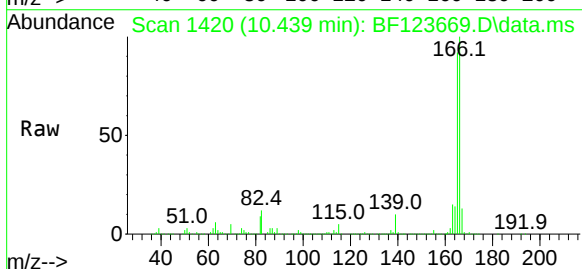
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

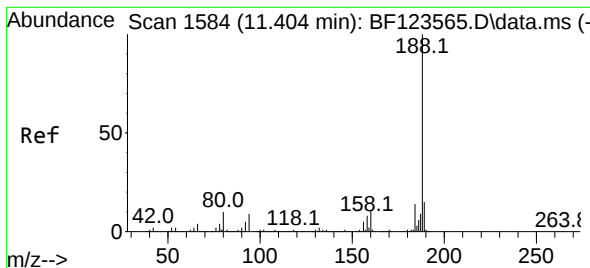
Tgt Ion:139 Resp: 159124
Ion Ratio Lower Upper
139 100
109 0.9 63.2 103.2#
65 1.9 110.0 150.0#



#58
Fluorene
Concen: 15.48 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:166 Resp: 397282
Ion Ratio Lower Upper
166 100
165 91.8 73.5 110.3
167 13.1 10.7 16.1

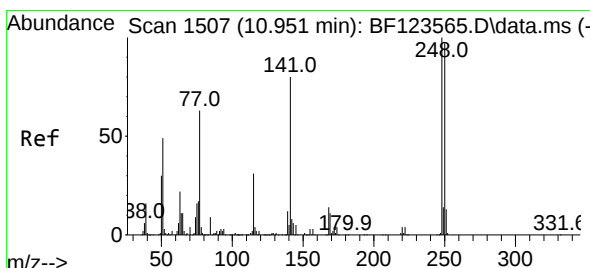
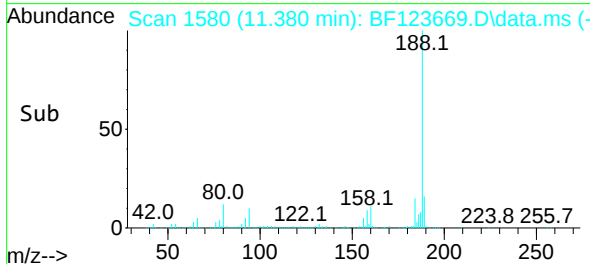
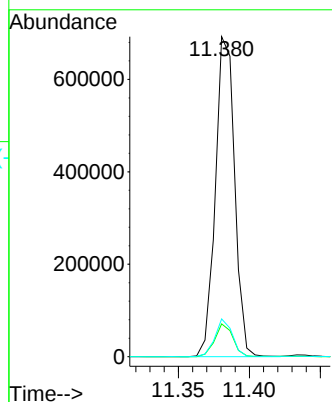
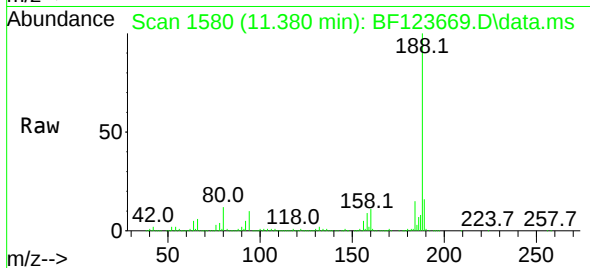




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

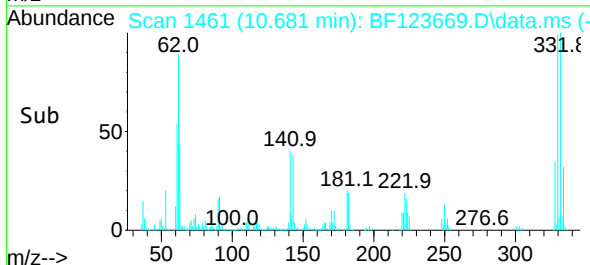
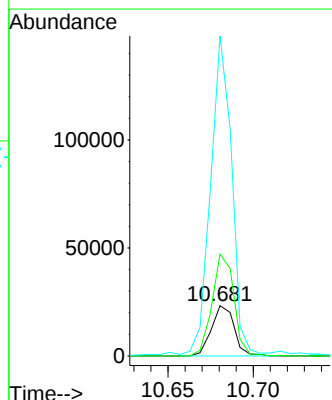
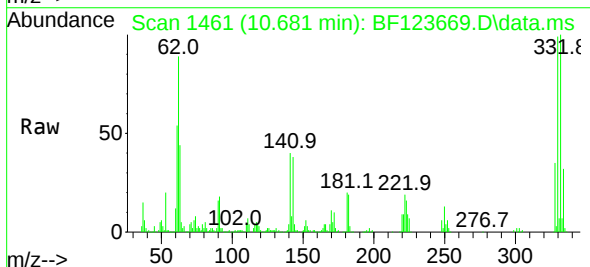
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

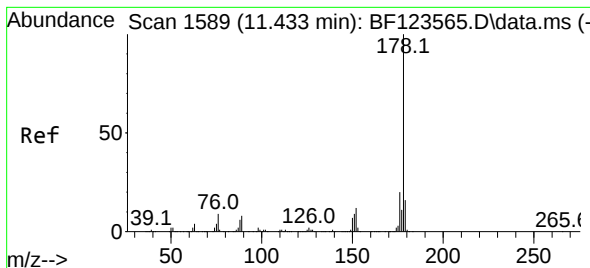
Tgt Ion:188	Resp: 651746
Ion Ratio	Lower Upper
188 100	
94 10.2	6.9 10.3
80 11.8	8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:248	Resp: 21576
Ion Ratio	Lower Upper
248 100	
250 203.0	77.4 116.2#
141 637.1	63.7 95.5#

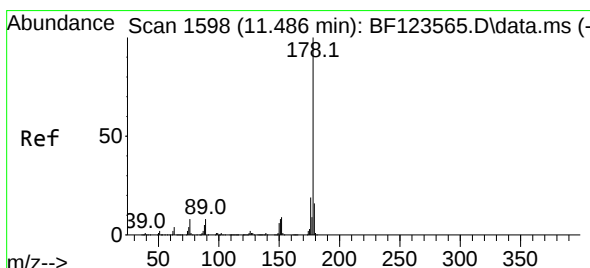
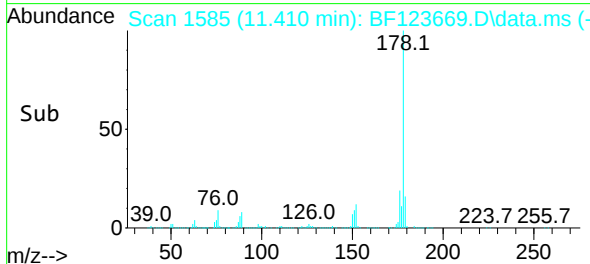
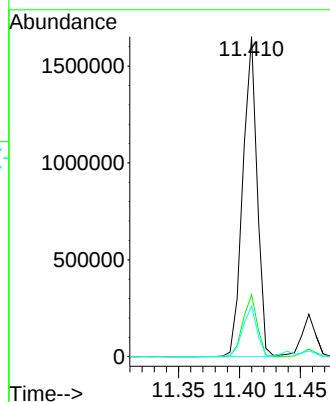
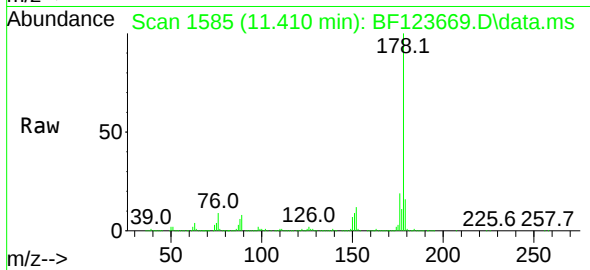




#71
Phenanthrene
Concen: 39.73 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

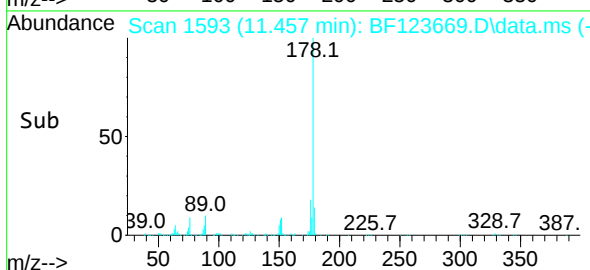
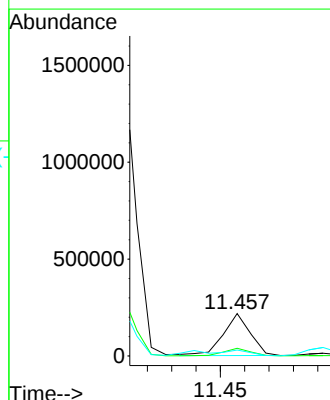
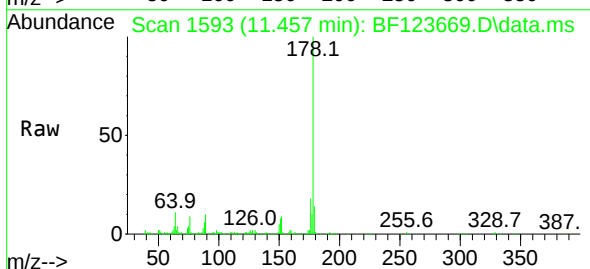
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

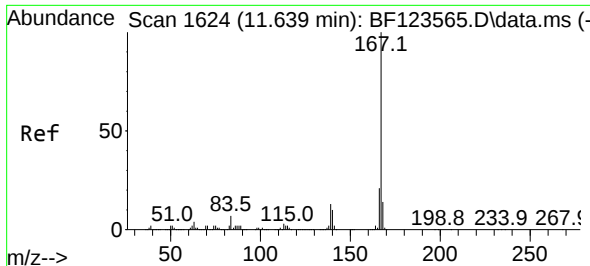
Tgt Ion:178 Resp: 1351265
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.8 12.5 18.7



#72
Anthracene
Concen: 4.90 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:178 Resp: 166728
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 13.8 12.6 18.8

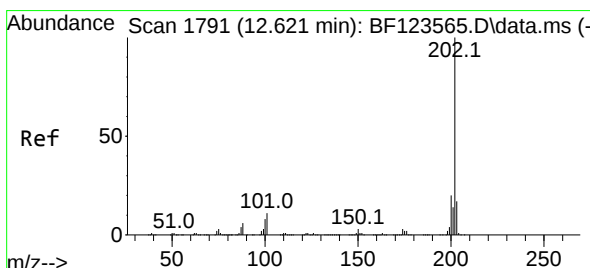
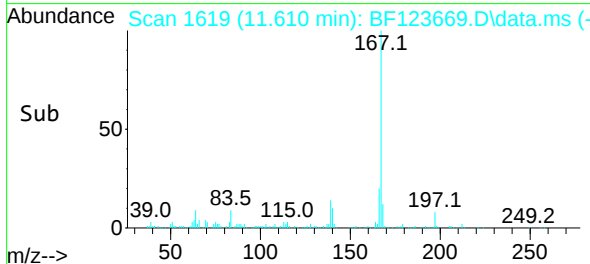
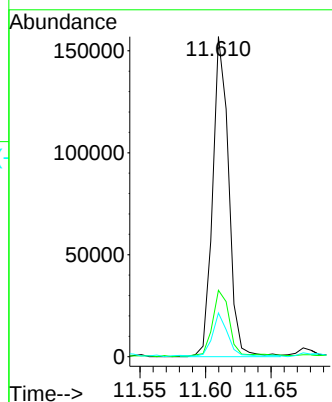
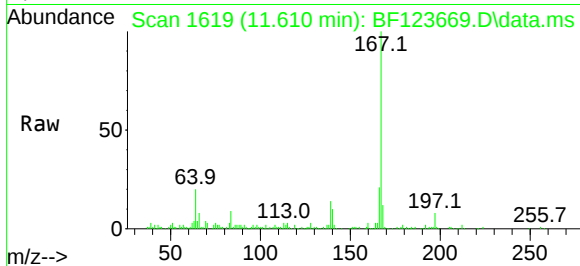




#73
 Carbazole
 Concen: 3.93 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

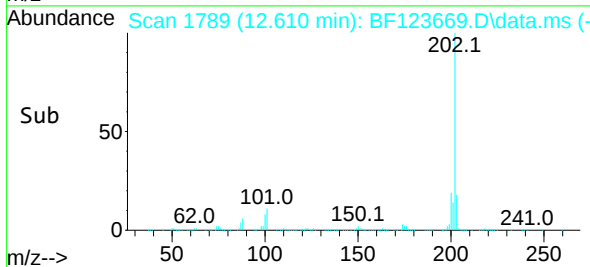
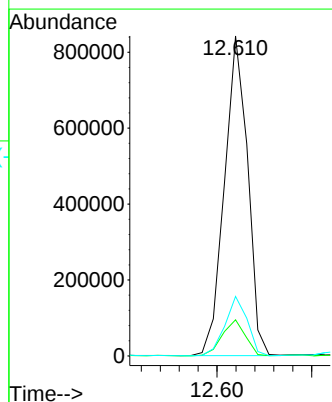
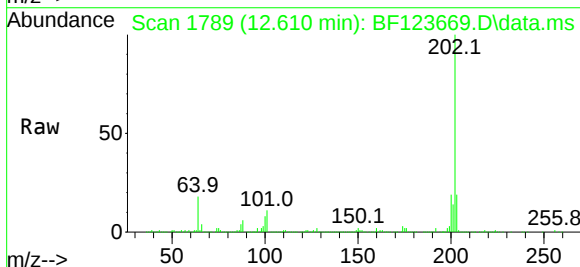
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0-DUP

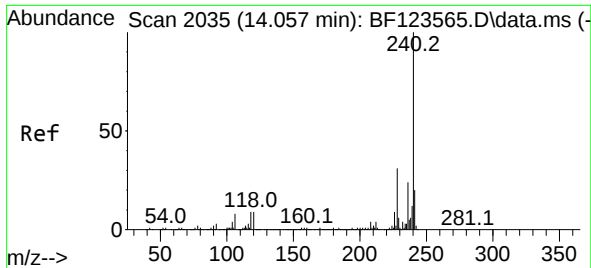
Tgt Ion:167	Resp: 133253
Ion Ratio	Lower Upper
167 100	
166 20.8	17.0 25.6
139 13.7	10.4 15.6



#75
 Fluoranthene
 Concen: 19.22 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

Tgt	Ion:202	Resp:	718297
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.9
203	18.6	0.0	37.5

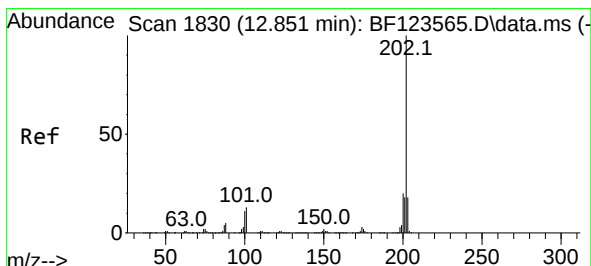
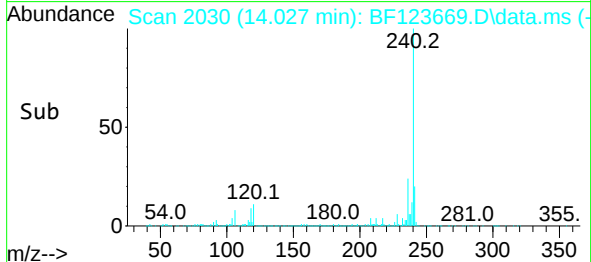
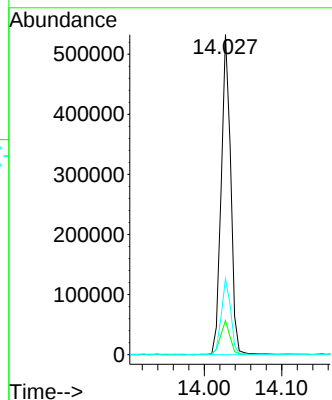
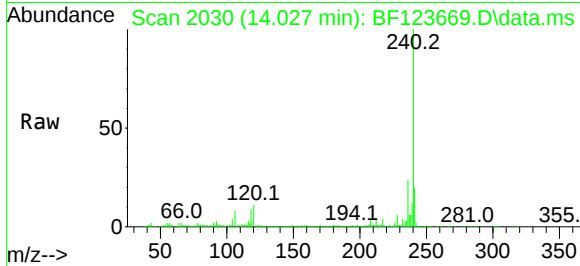




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

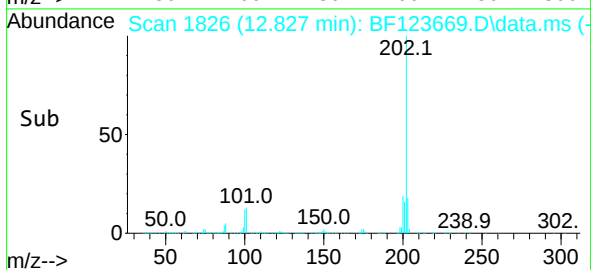
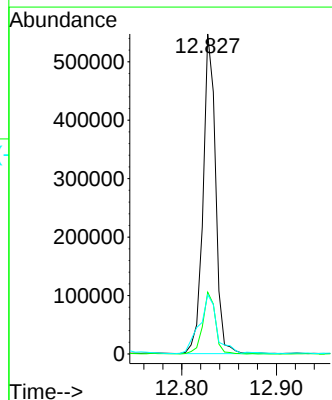
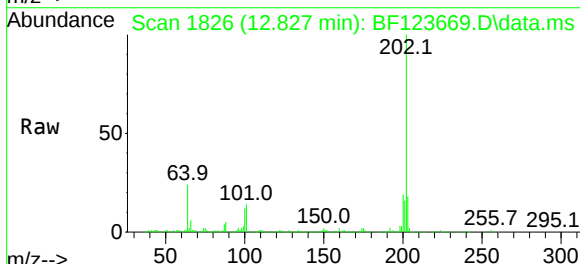
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

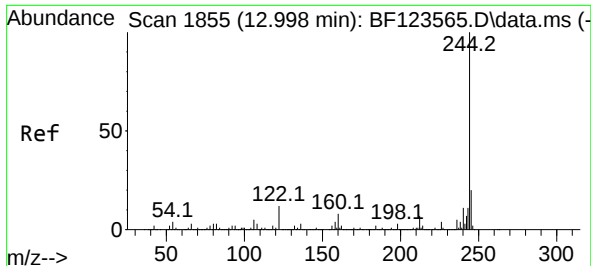
Tgt Ion:240 Resp: 452925
Ion Ratio Lower Upper
240 100
120 10.7 7.2 10.8
236 23.8 19.0 28.4



#78
Pyrene
Concen: 15.17 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:202 Resp: 501580
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 18.5 14.8 22.2

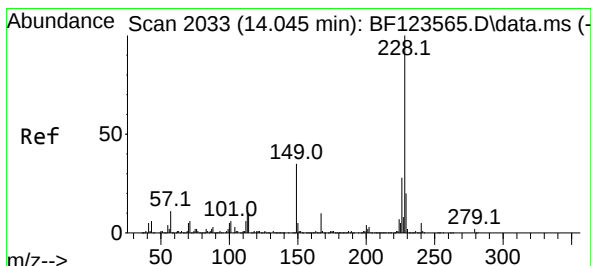
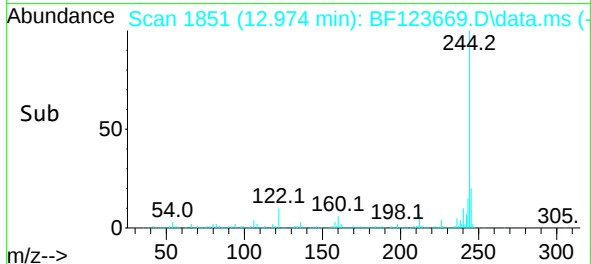
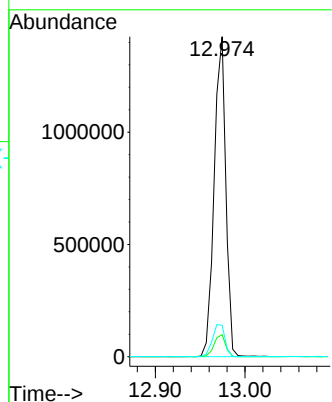
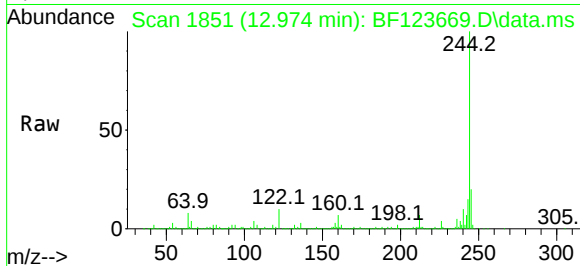




#79
 Terphenyl-d14
 Concen: 55.02 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

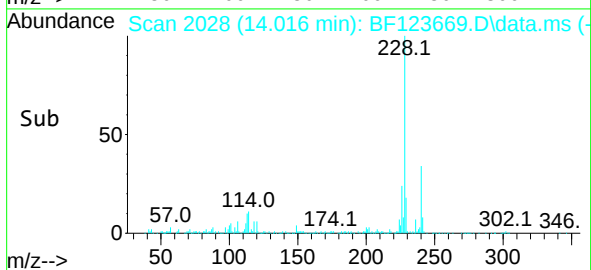
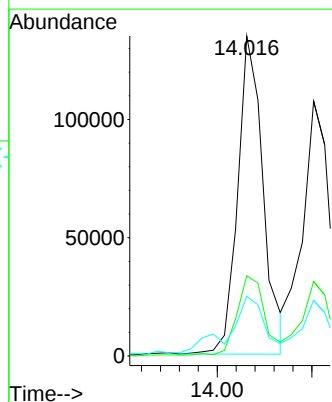
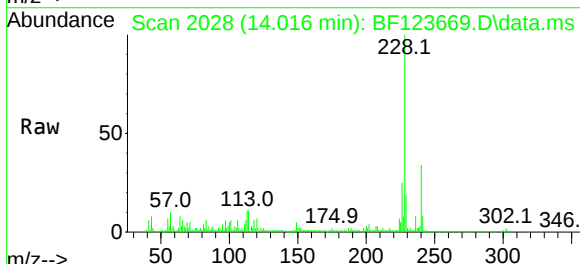
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-14.5-15.0-DUP

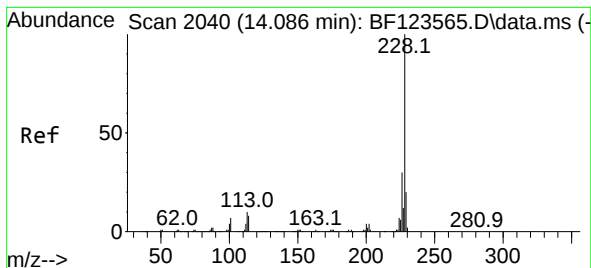
Tgt Ion:244 Resp: 1282264
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 9.8 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.51 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF123669.D
 Acq: 21 Apr 2021 16:13

Tgt Ion:228 Resp: 125128
 Ion Ratio Lower Upper
 228 100
 226 25.0 22.4 33.6
 229 18.6 16.0 24.0





#83

Chrysene

Concen: 3.76 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF123669.D

Acq: 21 Apr 2021 16:13

Tgt Ion:228 Resp: 104834

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

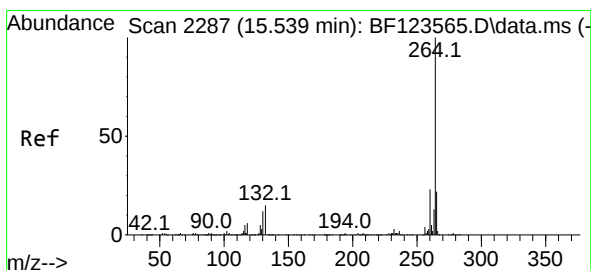
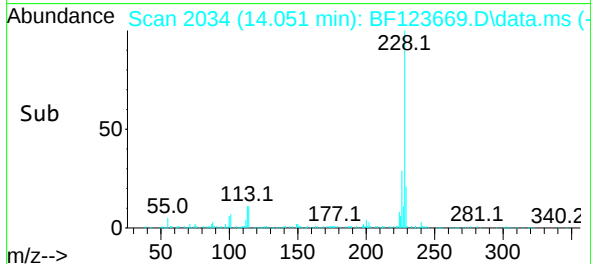
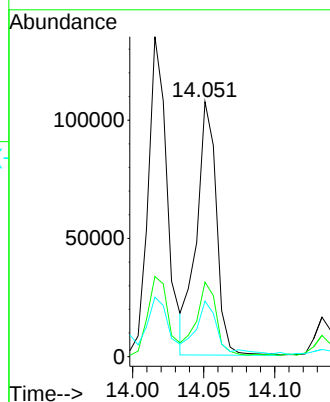
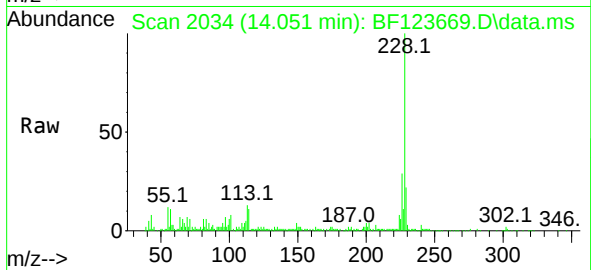
229 21.8 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

SB-20-14.5-15.0-DUP



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.510 min Scan# 2282

Delta R.T. 0.006 min

Lab File: BF123669.D

Acq: 21 Apr 2021 16:13

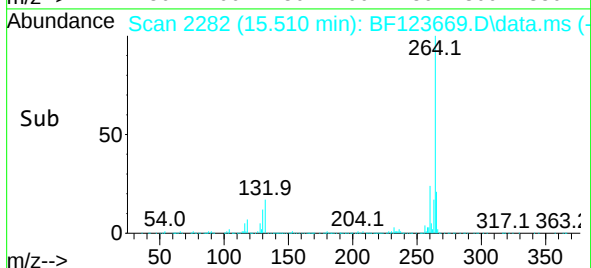
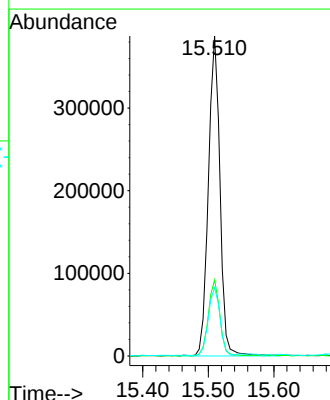
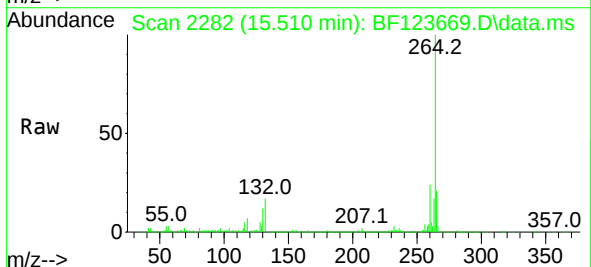
Tgt Ion:264 Resp: 476362

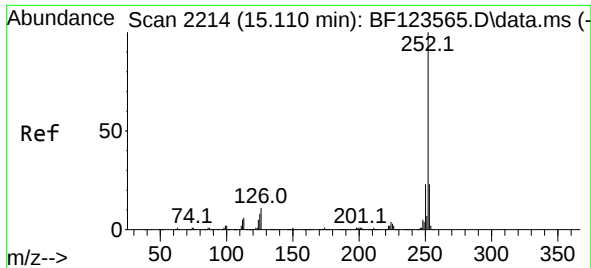
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.4 17.8 26.8

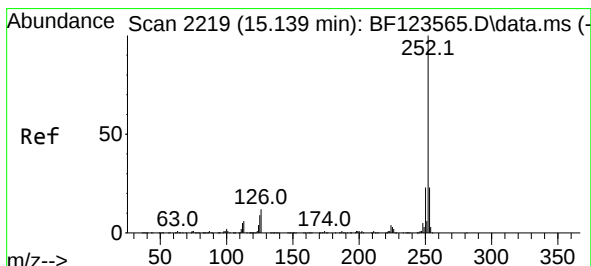
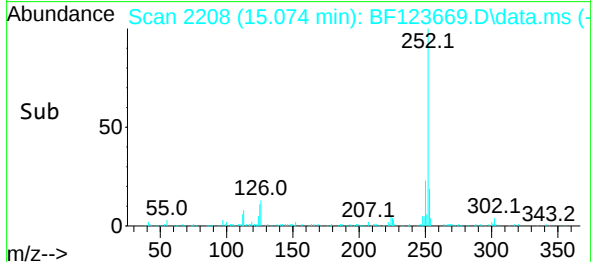
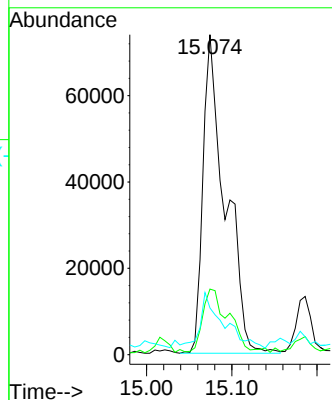
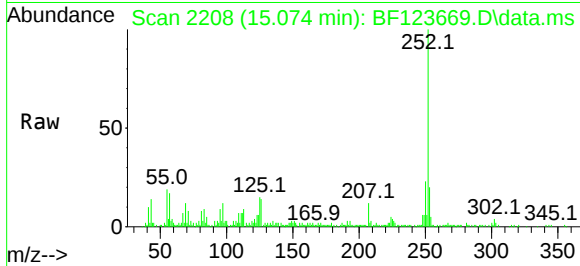




#88
Benzo(b)fluoranthene
Concen: 3.99 ng
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

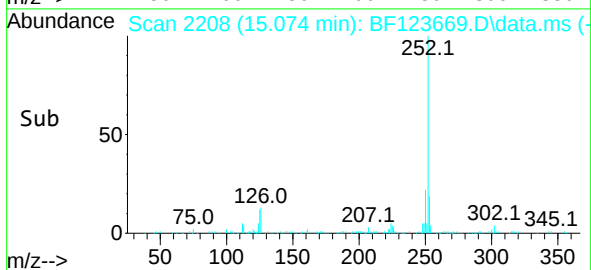
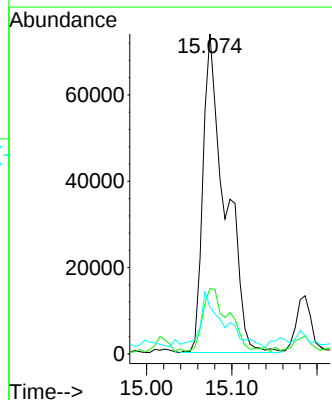
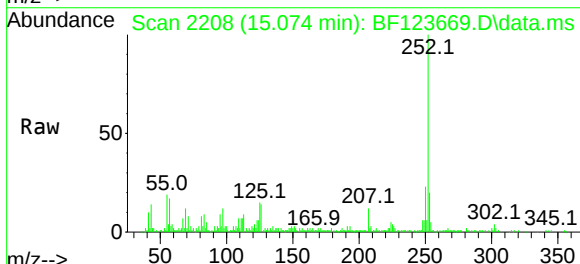
Instrument :
BNA_F
ClientSampleId :
SB-20-14.5-15.0-DUP

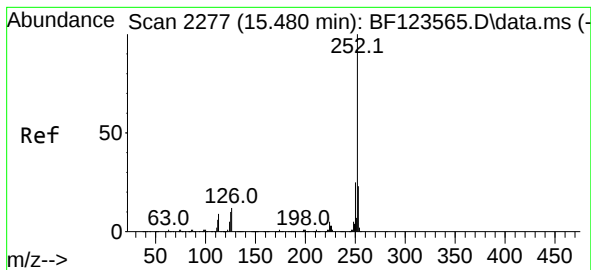
Tgt Ion:252 Resp: 134344
Ion Ratio Lower Upper
252 100
253 20.5 18.1 27.1
125 14.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 2.98 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF123669.D
Acq: 21 Apr 2021 16:13

Tgt Ion:252 Resp: 134344
Ion Ratio Lower Upper
252 100
253 20.5 17.9 26.9
125 14.6 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.61 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF123669.D

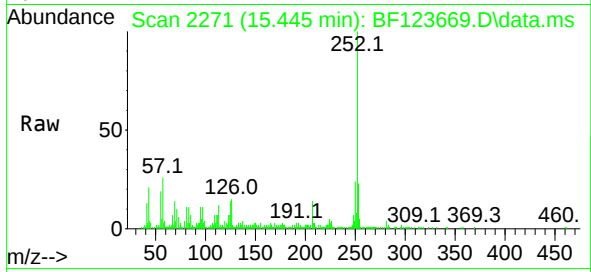
Acq: 21 Apr 2021 16:13

Instrument :

BNA_F

ClientSampleId :

SB-20-14.5-15.0-DUP



Tgt Ion:252 Resp: 69776

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 14.0 8.0 12.0#

