

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123951.D
 Acq On : 15 May 2021 18:23
 Operator : JU/CG
 Sample : M2392-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Quant Time: May 16 05:20:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

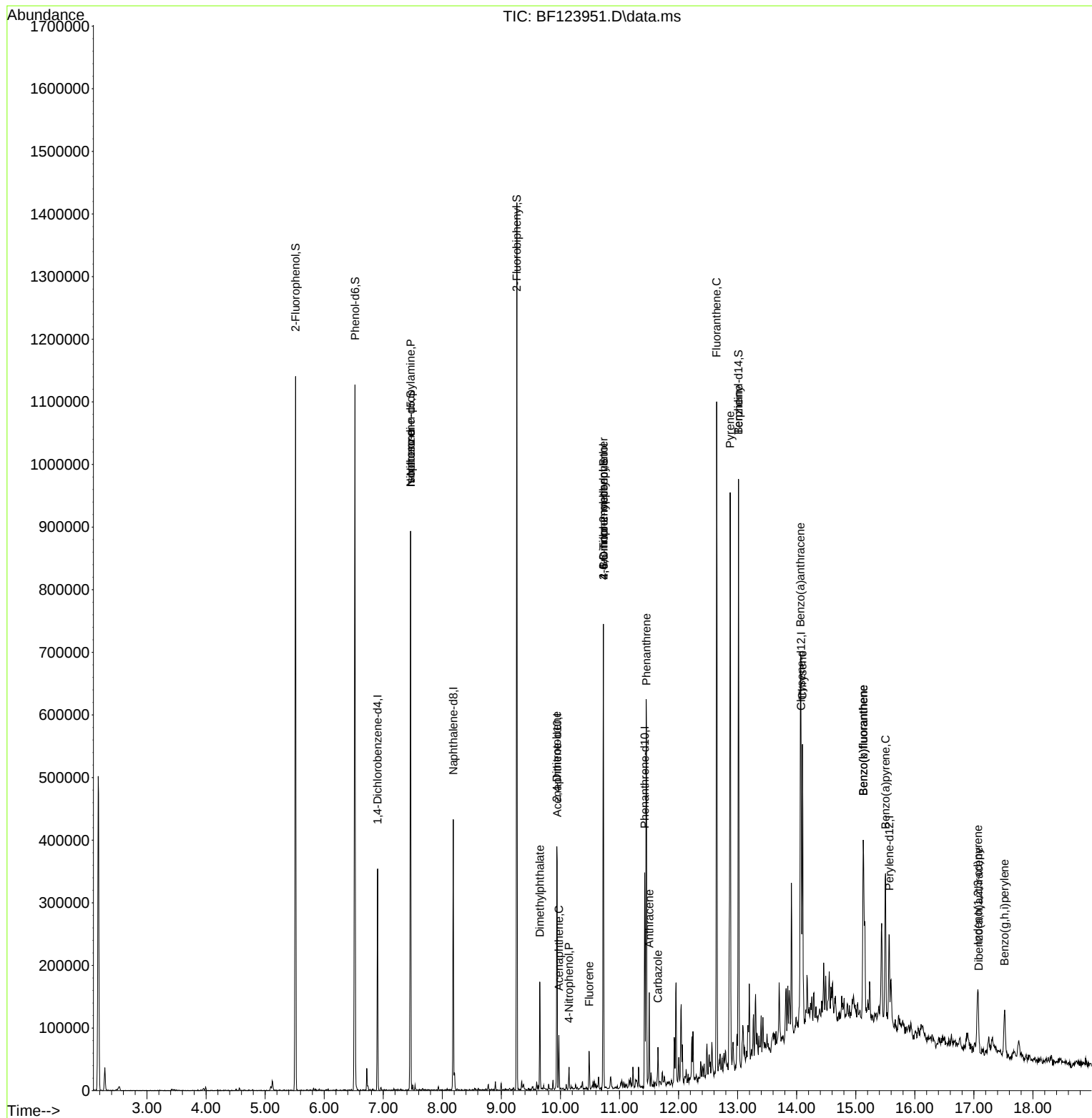
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39675	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	143892	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	72220	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	108457	20.00	ng	0.00
76) Chrysene-d12	14.074	240	88370	20.00	ng	0.00
86) Perylene-d12	15.568	264	54516	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	235800	83.45	ng	0.00
7) Phenol-d6	6.522	99	308641	84.20	ng	0.00
23) Nitrobenzene-d5	7.463	82	233259	69.85	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	63726	73.47	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	340380	58.00	ng	0.00
79) Terphenyl-d14	13.016	244	244054	41.83	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	32682	13.19	ng	# 73
25) Isophorone	7.463	82	233253	36.31	ng	# 69
50) Dimethylphthalate	9.651	163	53441	9.27	ng	99
52) Acenaphthene	9.975	154	15225	2.98	ng	97
56) 4-Nitrophenol	10.145	139	3870	4.04	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	9751	6.82	ng	# 18
58) Fluorene	10.486	166	11280	2.04	ng	# 83
65) 4,6-Dinitro-2-methylph...	10.727	198	525	6.10	ng	# 64
67) 4-Bromophenyl-phenylether	10.727	248	5035	3.53	ng	# 1
71) Phenanthrene	11.457	178	212684	30.94	ng	97
72) Anthracene	11.504	178	46662	6.70	ng	99
73) Carbazole	11.651	167	17460	2.87	ng	# 89
75) Fluoranthene	12.645	202	396487	55.71	ng	98
77) Benzidine	13.016	184	4662	2.19	ng	# 92
78) Pyrene	12.874	202	361428	46.07	ng	98
81) Benzo(a)anthracene	14.063	228	181513	28.40	ng	98
83) Chrysene	14.098	228	149602	24.34	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	62698	14.89	ng	98
88) Benzo(b)fluoranthene	15.127	252	203680	48.30	ng	# 95
89) Benzo(k)fluoranthene	15.127	252	203680	53.00	ng	# 96
90) Benzo(a)pyrene	15.504	252	104573	28.69	ng	97
91) Dibenzo(a,h)anthracene	17.080	278	14538	4.10	ng	# 97
92) Benzo(g,h,i)perylene	17.521	276	58542	16.46	ng	96

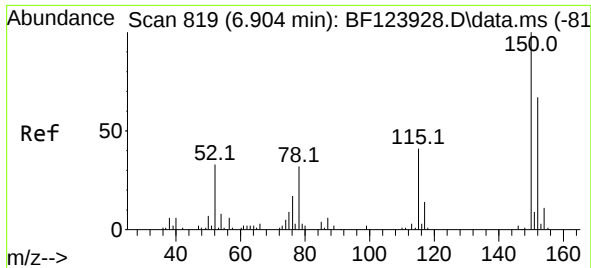
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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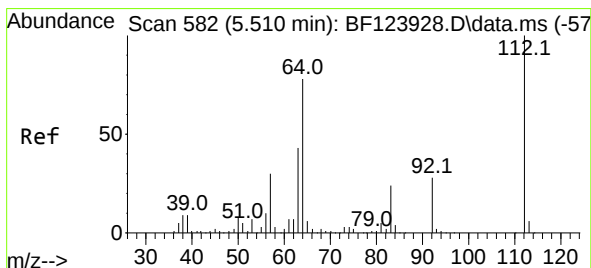
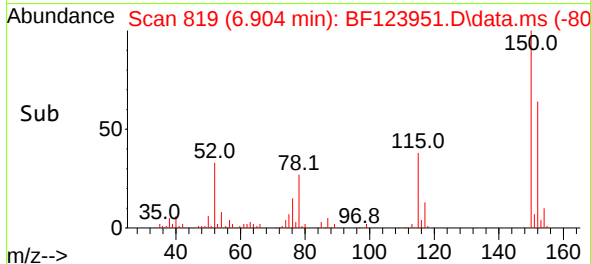
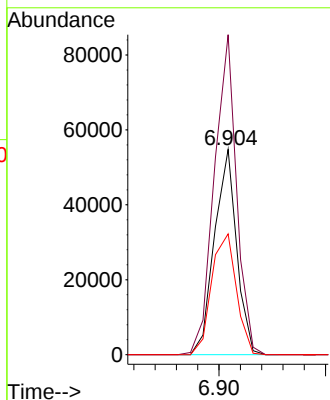
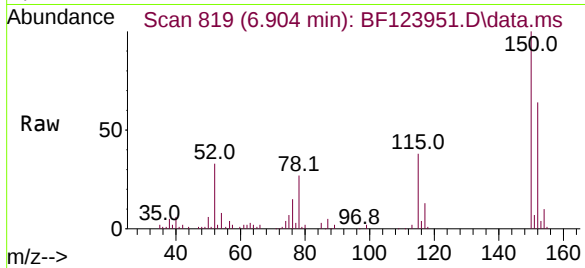




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

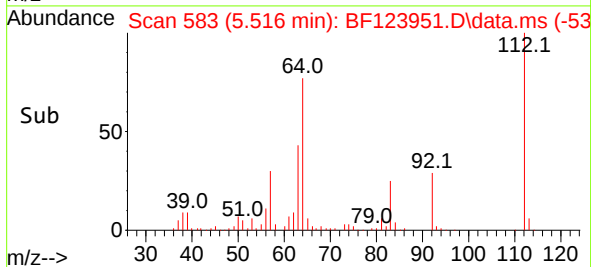
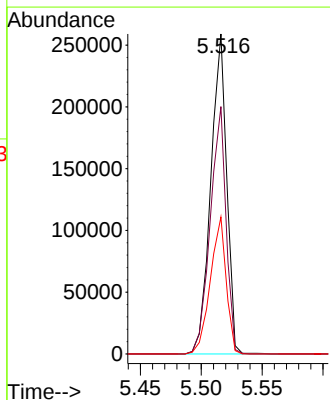
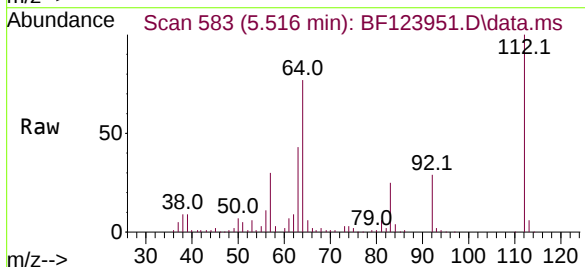
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

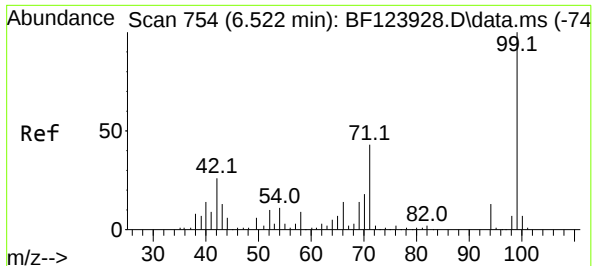
Tgt Ion:152 Resp: 39675
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 58.8 54.3 81.5



#5
2-Fluorophenol
Concen: 83.45 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:112 Resp: 235800
Ion Ratio Lower Upper
112 100
64 77.3 61.4 92.0
63 42.8 33.0 49.4

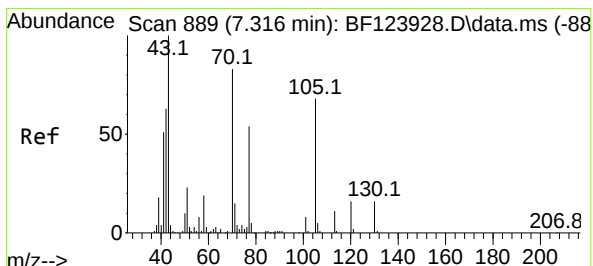
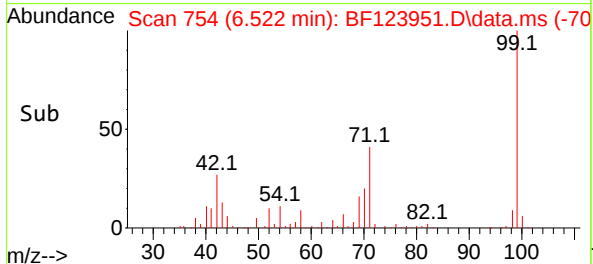
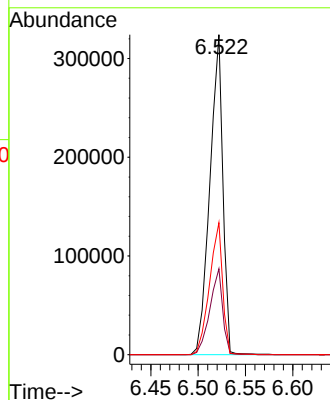
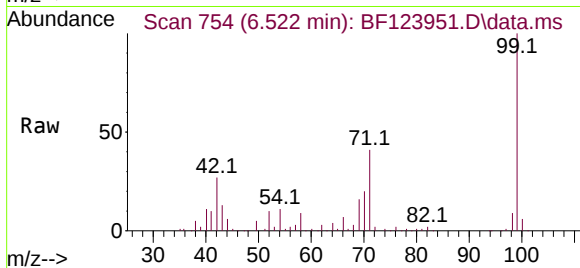




#7
Phenol-d6
Concen: 84.20 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

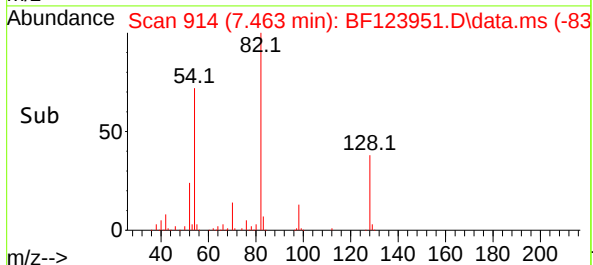
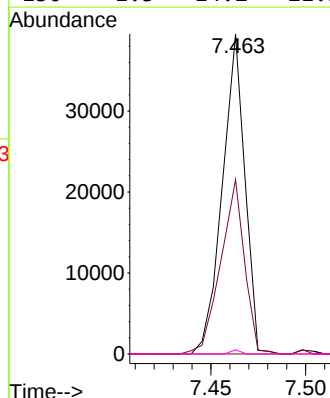
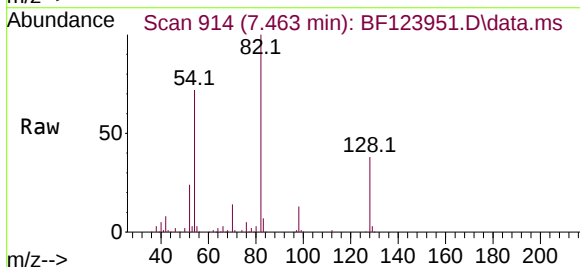
Instrument :
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ClientSampleId :
SB-06-COMP

Tgt Ion: 99 Resp: 308641
Ion Ratio Lower Upper
99 100
42 26.9 19.8 29.8
71 41.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.19 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion: 70 Resp: 32682
Ion Ratio Lower Upper
70 100
42 54.5 60.1 90.1#
101 0.0 7.4 11.2#
130 1.3 14.2 21.2#



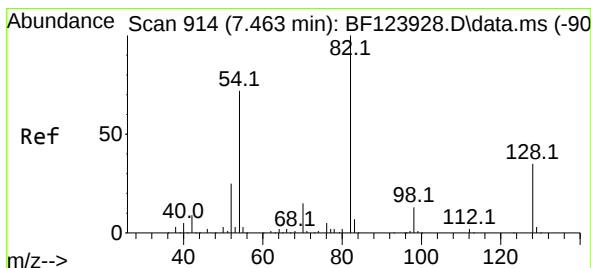
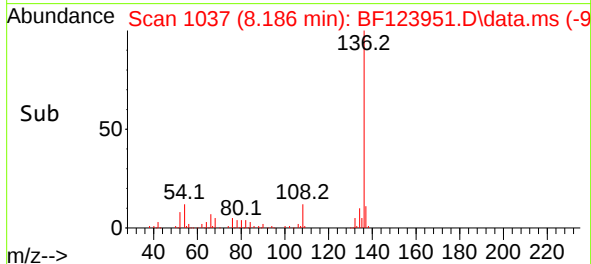
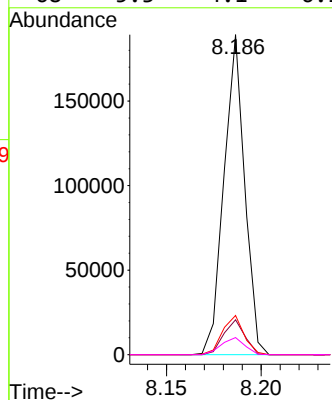
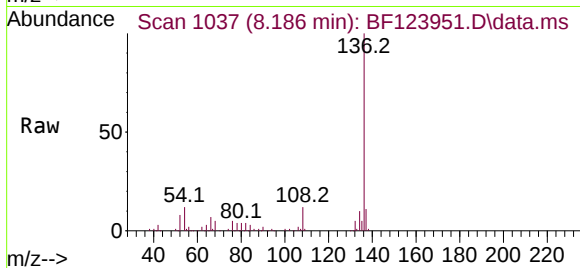


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tgt Ion:136 Resp: 143892

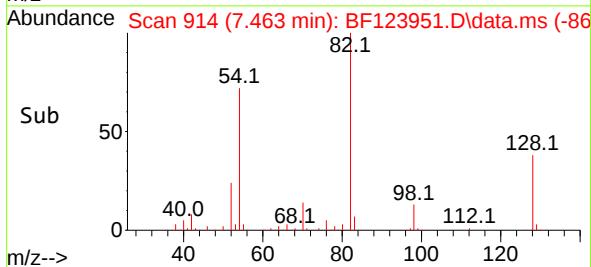
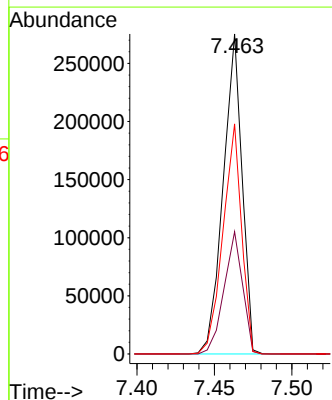
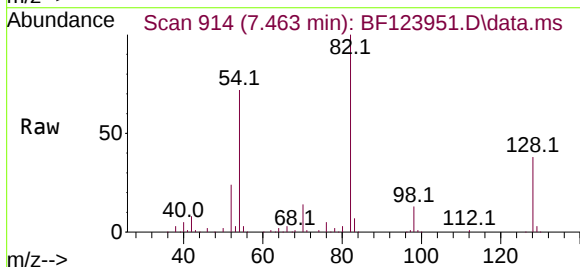
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	12.3	9.8	14.6
68	5.3	4.1	6.1

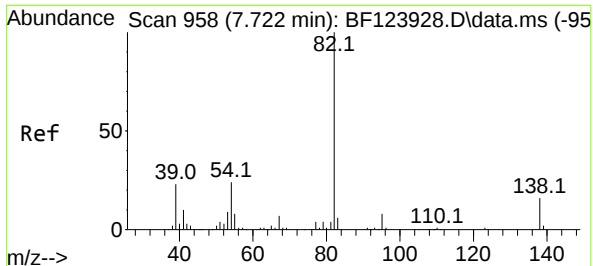


#23
Nitrobenzene-d5
Concen: 69.85 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion: 82 Resp: 233259

Ion	Ratio	Lower	Upper
82	100		
128	38.2	29.4	44.2
54	71.9	54.1	81.1

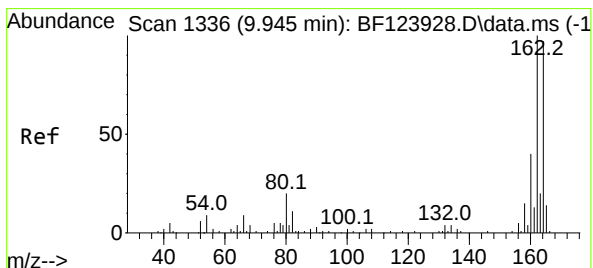
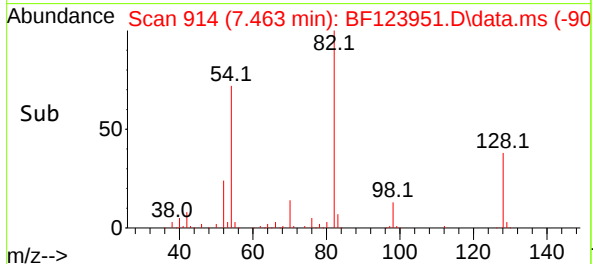
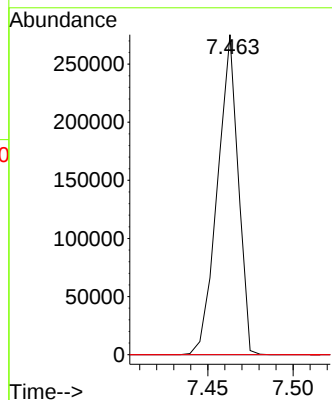
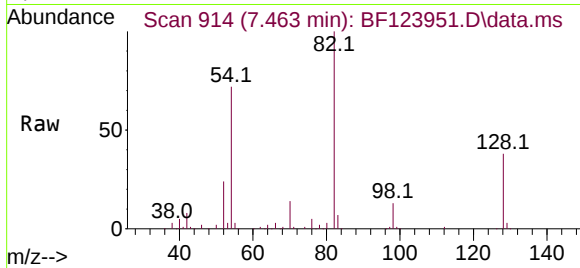




#25
Isophorone
Concen: 36.31 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

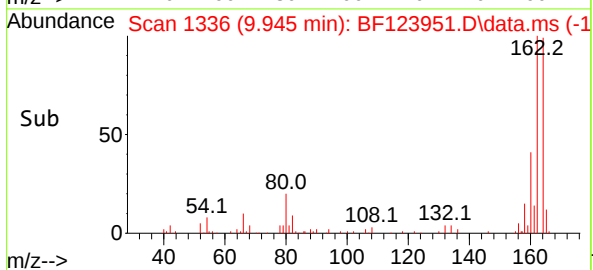
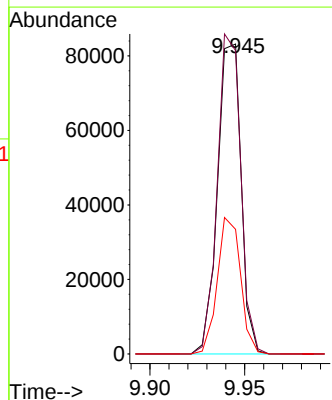
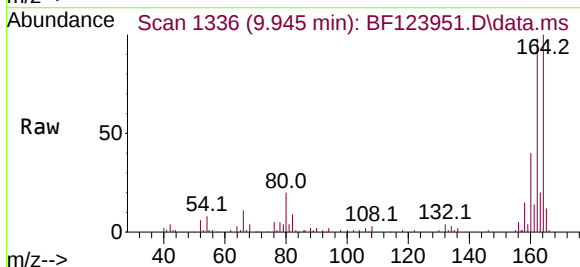
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ClientSampleId :
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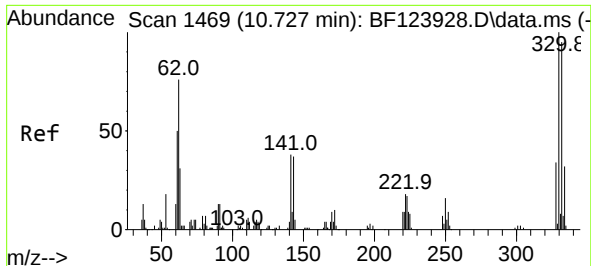
Tgt Ion: 82 Resp: 233253
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:164 Resp: 72220
Ion Ratio Lower Upper
164 100
162 97.9 80.7 121.1
160 40.2 37.3 55.9

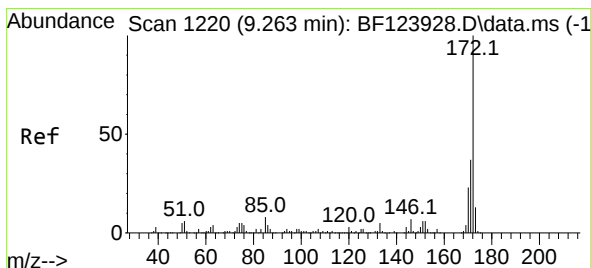
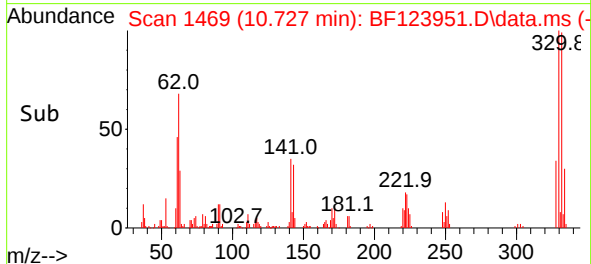
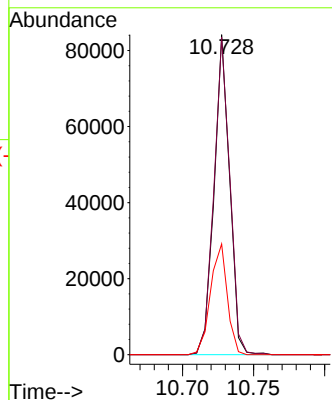
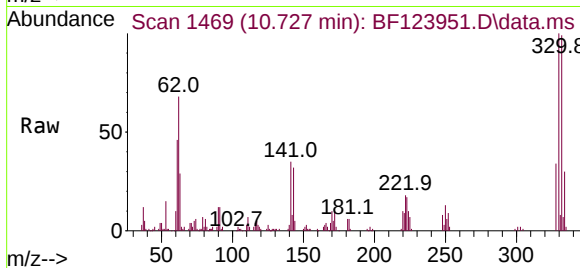




#42
2,4,6-Tribromophenol
Concen: 73.47 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

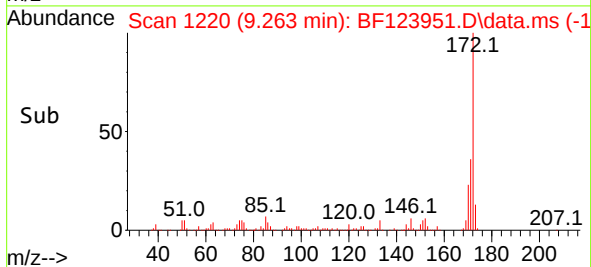
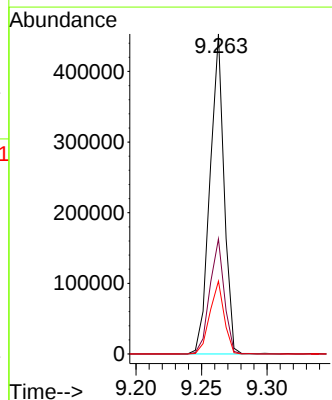
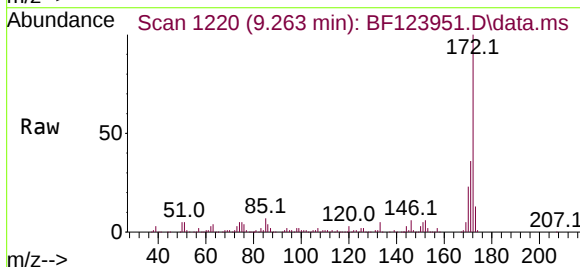
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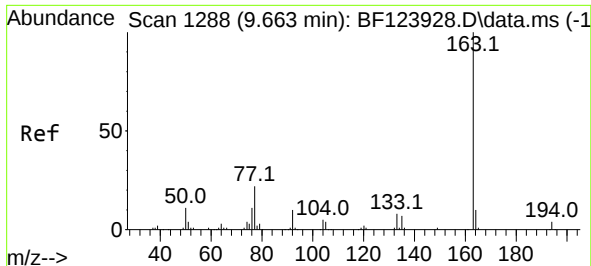
Tgt Ion: 330 Resp: 63726
Ion Ratio Lower Upper
330 100
332 101.9 77.1 115.7
141 37.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 58.00 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion: 172 Resp: 340380
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 22.7 19.2 28.8

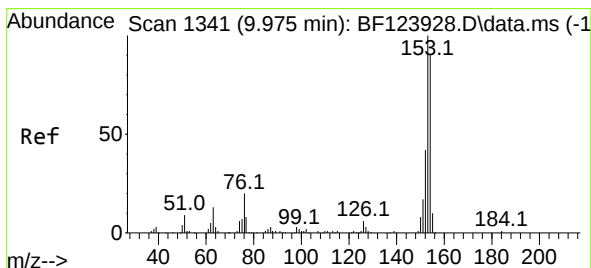
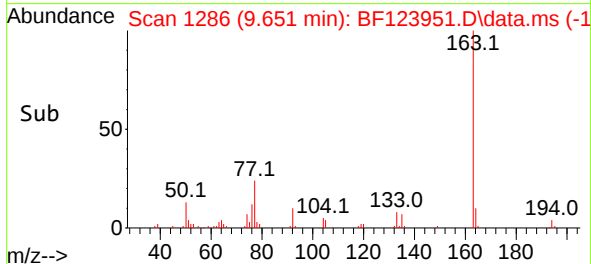
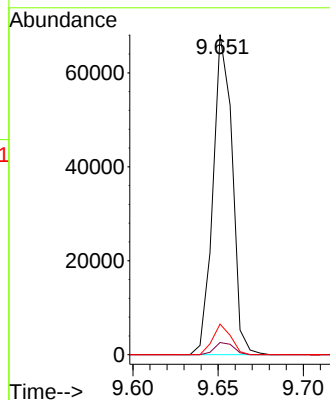
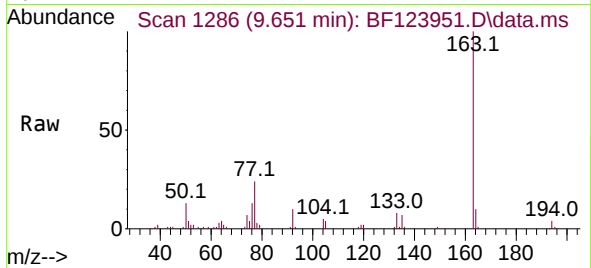




#50
Dimethylphthalate
Concen: 9.27 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

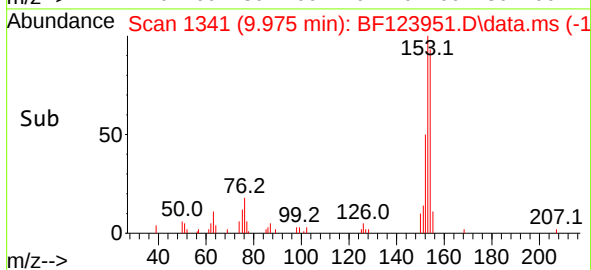
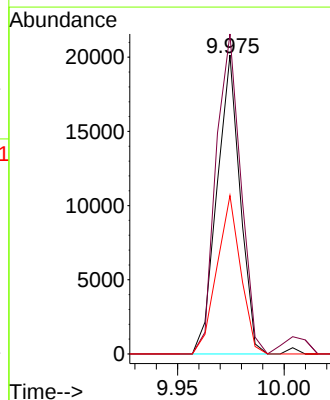
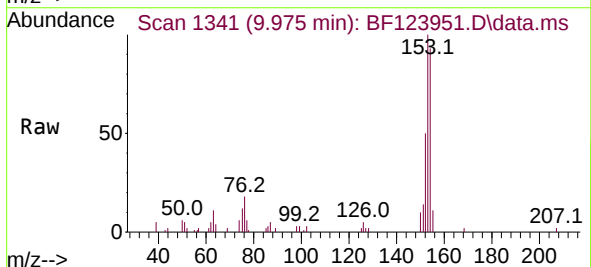
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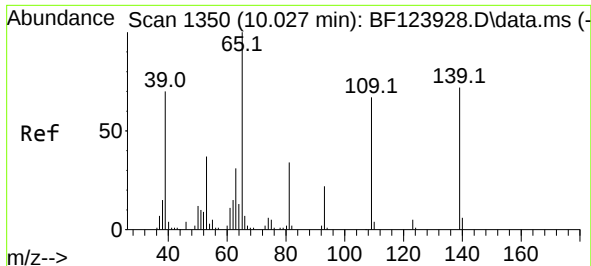
Tgt Ion:163 Resp: 53441
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.5 8.2 12.2



#52
Acenaphthene
Concen: 2.98 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:154 Resp: 15225
Ion Ratio Lower Upper
154 100
153 107.0 88.1 132.1
152 53.0 43.4 65.0

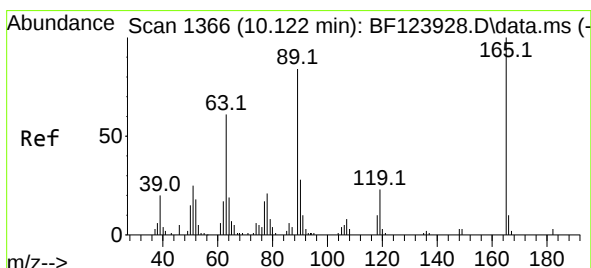
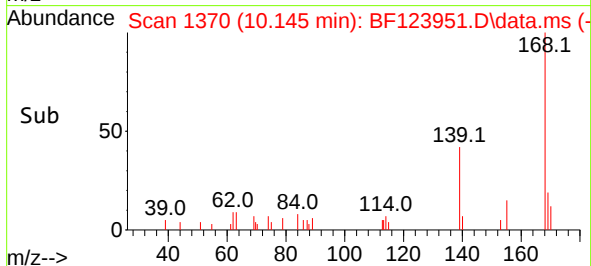
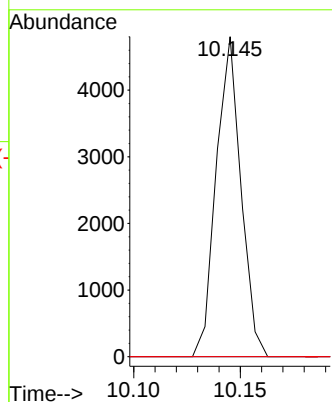
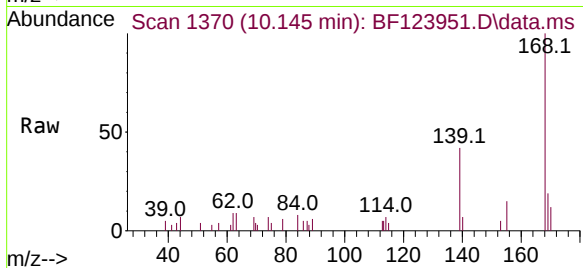




#56
4-Nitrophenol
Concen: 4.04 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

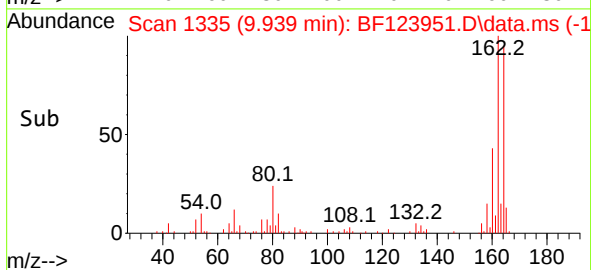
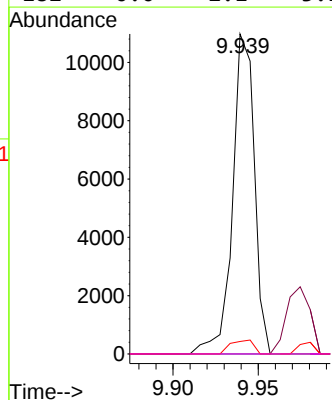
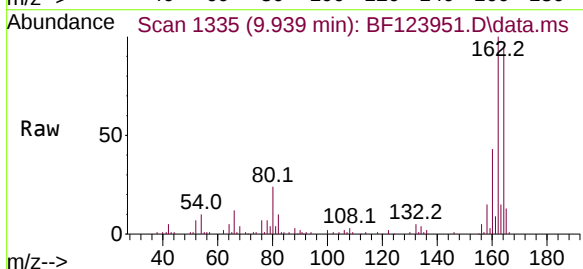
Instrument :
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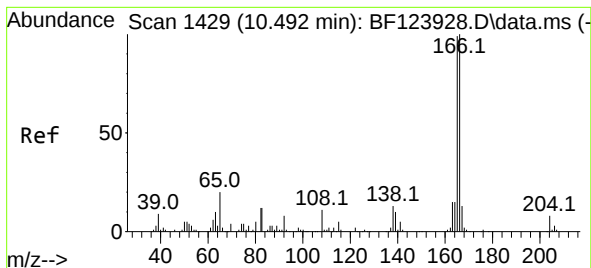
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Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.82 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:165 Resp: 9751
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.9 67.7 101.5#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: 2.04 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF123951.D

Acq: 15 May 2021 18:23

Tgt Ion:166 Resp: 11280

Ion Ratio Lower Upper

166 100

165 110.6 73.5 110.3#

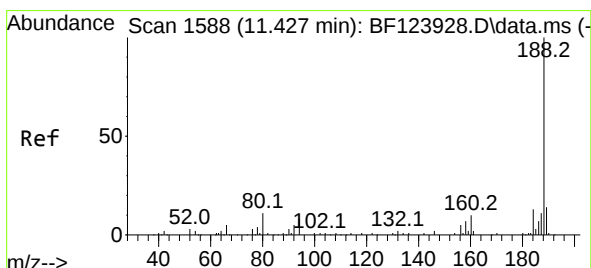
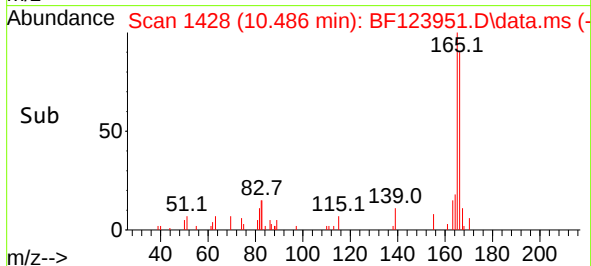
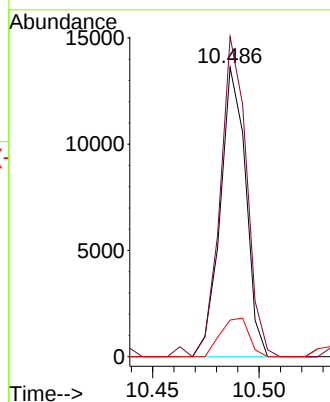
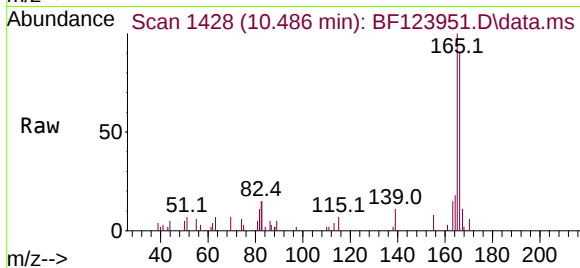
167 12.7 10.7 16.1

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.427 min Scan# 1588

Delta R.T. 0.000 min

Lab File: BF123951.D

Acq: 15 May 2021 18:23

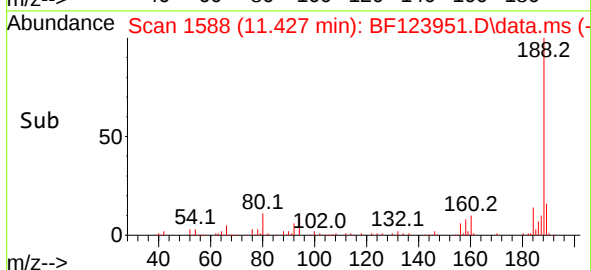
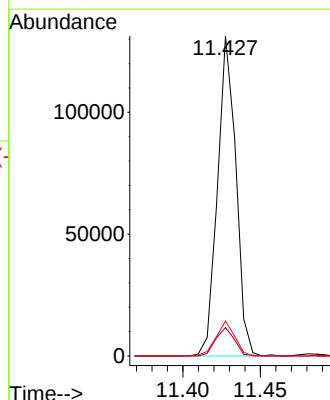
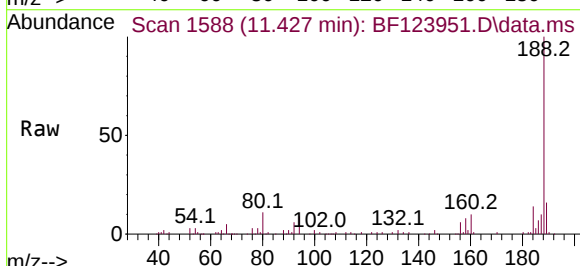
Tgt Ion:188 Resp: 108457

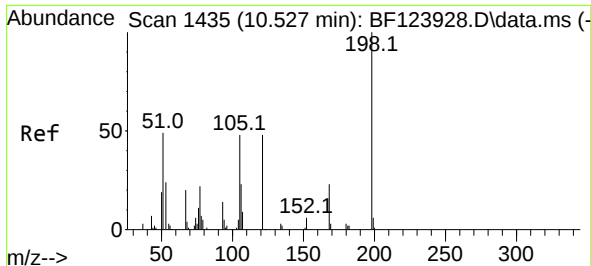
Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

80 10.9 8.2 12.2

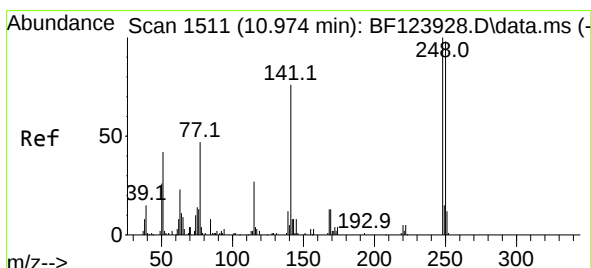
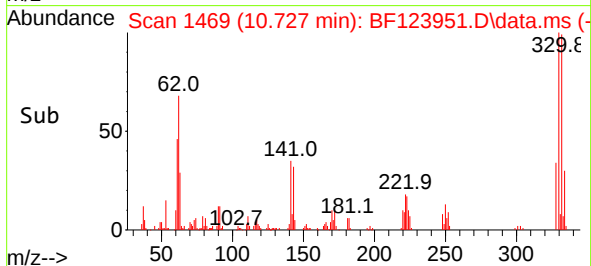
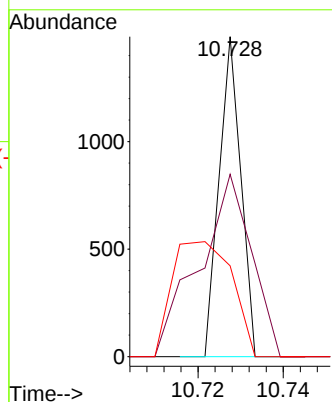
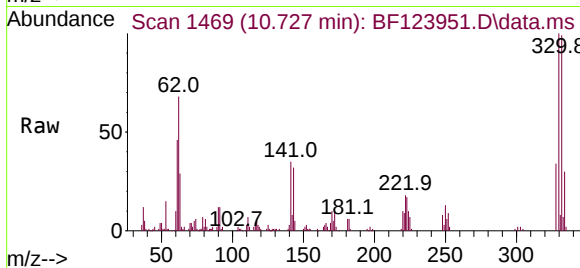




#65
4,6-Dinitro-2-methylphenol
Concen: 6.10 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.200 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

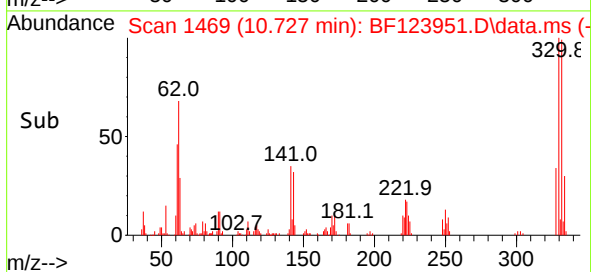
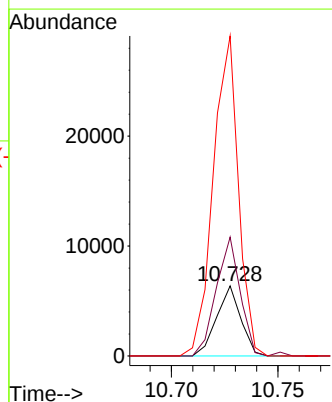
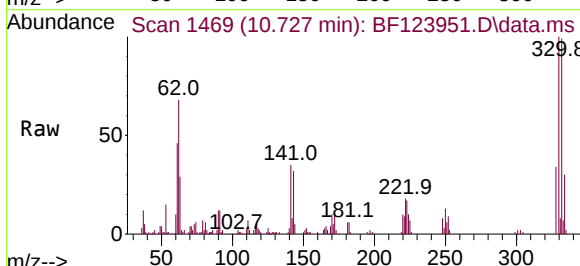
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

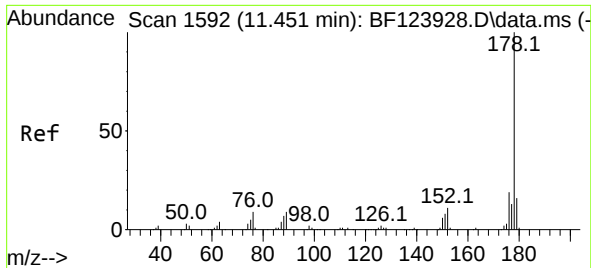
Tgt Ion:198 Resp: 525
Ion Ratio Lower Upper
198 100
51 57.0 64.8 104.8#
105 28.4 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 3.53 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:248 Resp: 5035
Ion Ratio Lower Upper
248 100
250 169.4 77.4 116.2#
141 456.1 63.7 95.5#

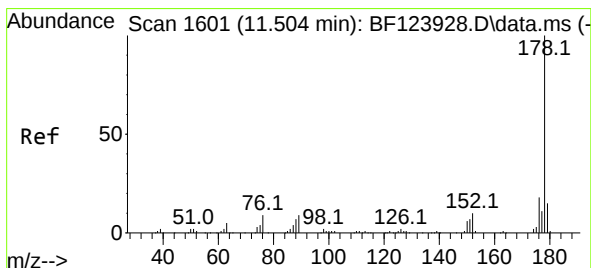
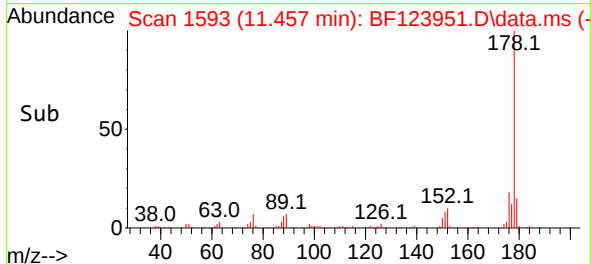
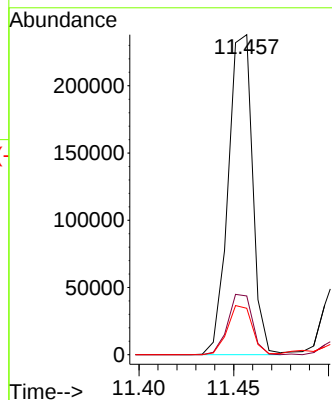
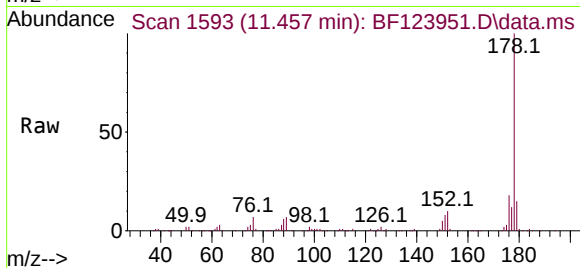




#71
Phenanthrene
Concen: 30.94 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

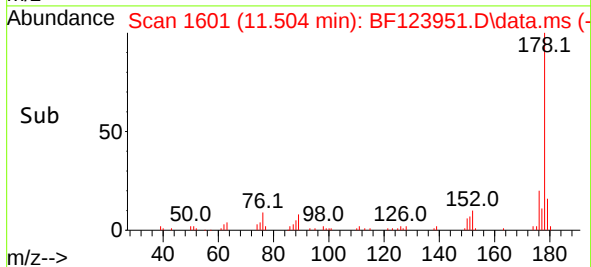
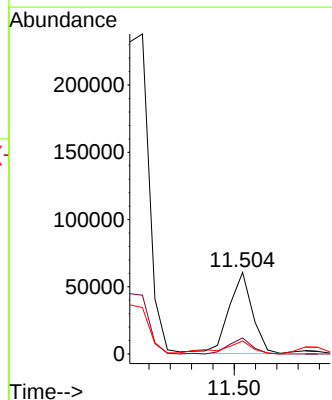
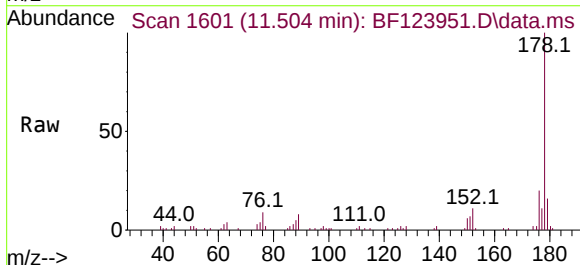
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

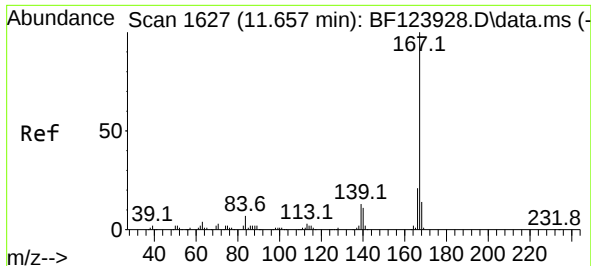
Tgt Ion:178 Resp: 212684
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 14.5 12.5 18.7



#72
Anthracene
Concen: 6.70 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:178 Resp: 46662
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.9 12.6 18.8

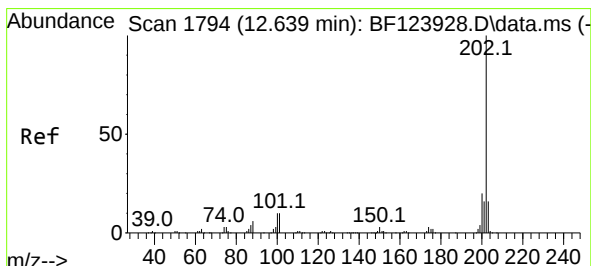
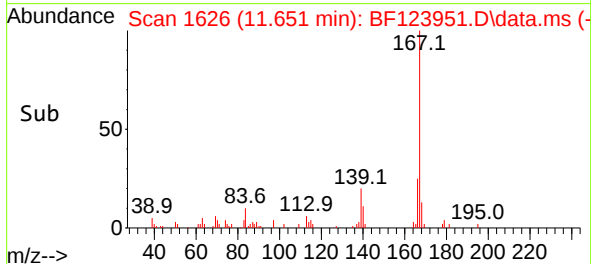
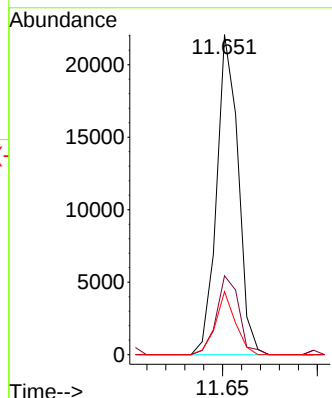
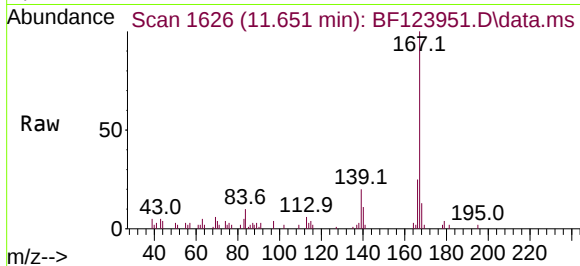




#73
 Carbazole
 Concen: 2.87 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.006 min
 Lab File: BF123951.D
 Acq: 15 May 2021 18:23

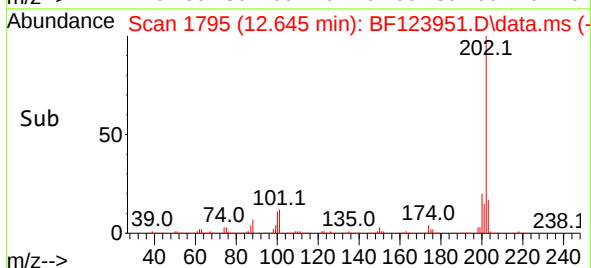
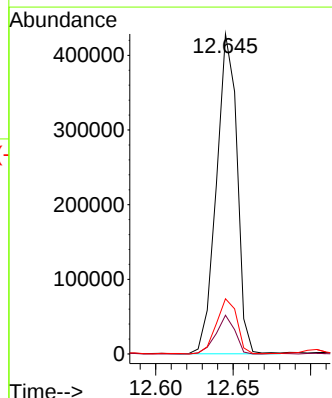
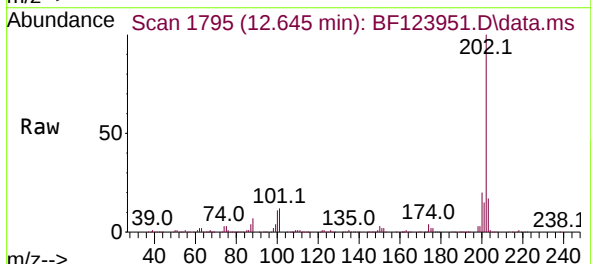
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

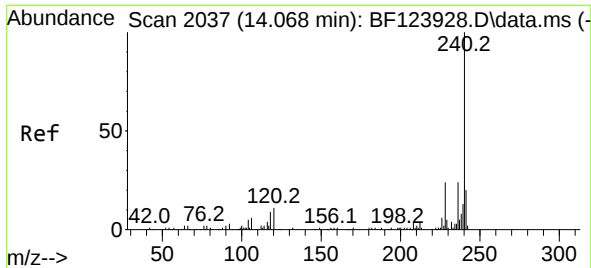
Tgt Ion:167 Resp: 17460
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.0 25.6
 139 19.7 10.4 15.6#



#75
 Fluoranthene
 Concen: 55.71 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF123951.D
 Acq: 15 May 2021 18:23

Tgt Ion:202 Resp: 396487
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 30.9
 203 17.2 0.0 37.5

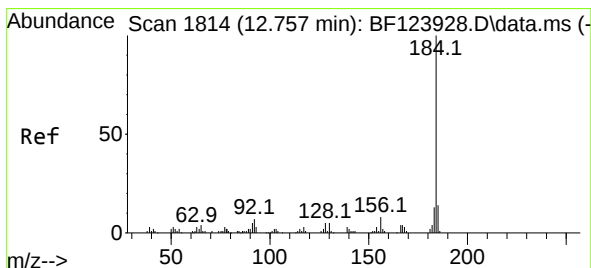
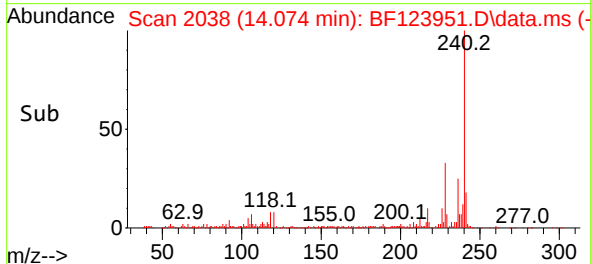
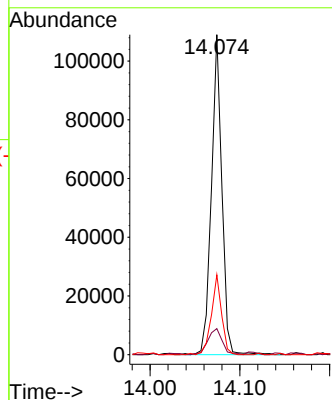
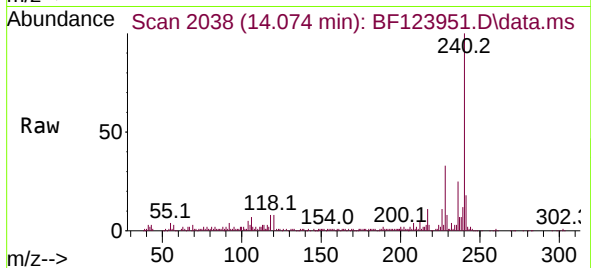




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

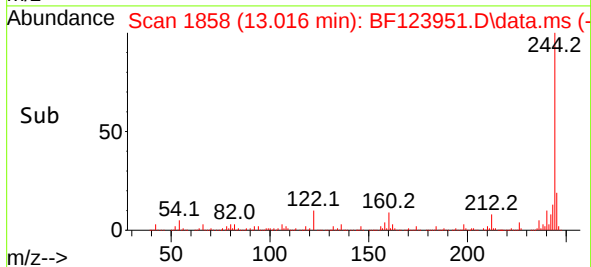
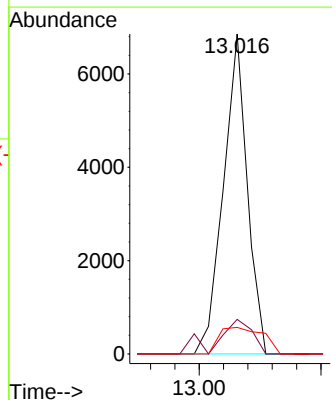
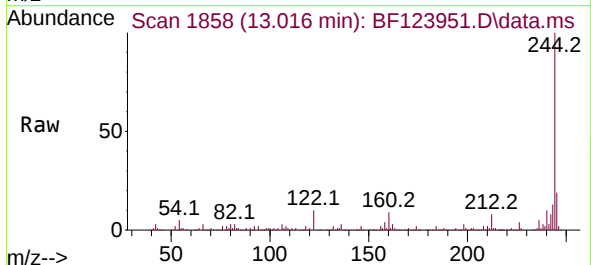
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

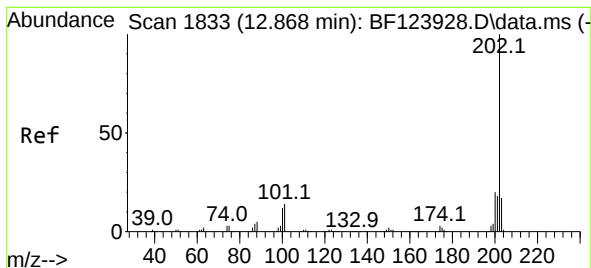
Tgt Ion:240 Resp: 88370
Ion Ratio Lower Upper
240 100
120 8.2 7.2 10.8
236 25.0 19.0 28.4



#77
Benzidine
Concen: 2.19 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:184 Resp: 4662
Ion Ratio Lower Upper
184 100
185 10.8 12.1 18.1#
183 8.3 7.8 11.8





#78

Pyrene

Concen: 46.07 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF123951.D

Acq: 15 May 2021 18:23

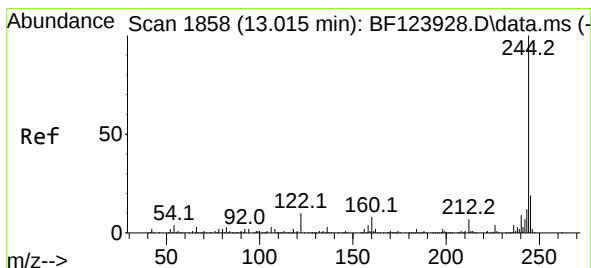
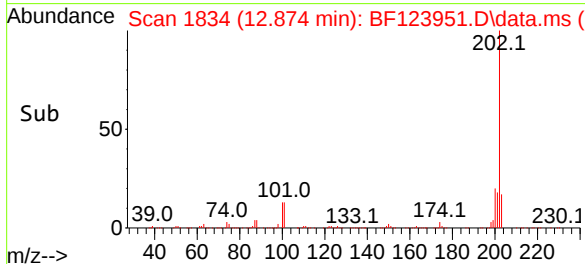
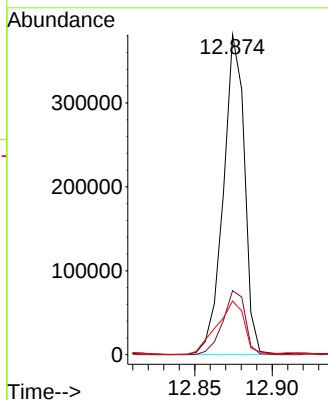
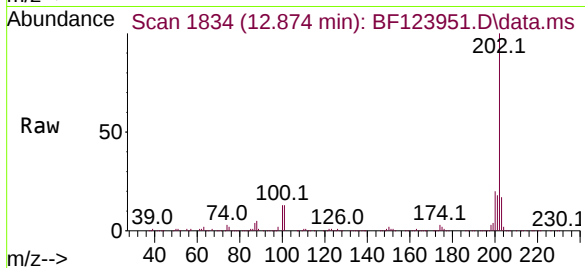
Tgt Ion:202 Resp: 361428

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 16.8 14.8 22.2



#79

Terphenyl-d14

Concen: 41.83 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.000 min

Lab File: BF123951.D

Acq: 15 May 2021 18:23

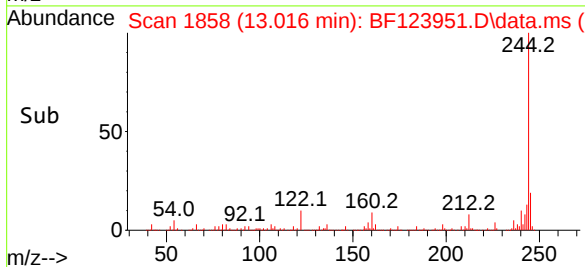
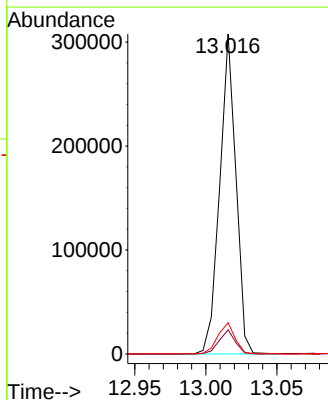
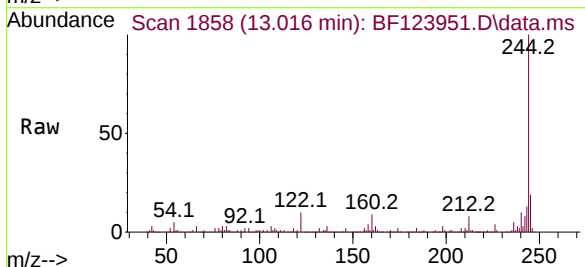
Tgt Ion:244 Resp: 244054

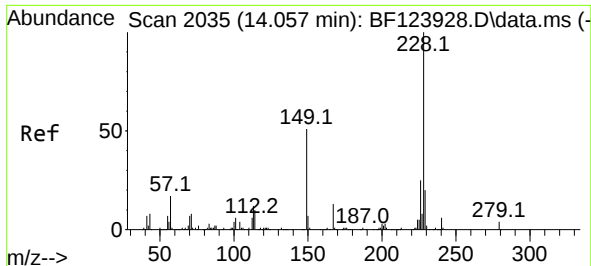
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 9.7 9.7 14.5

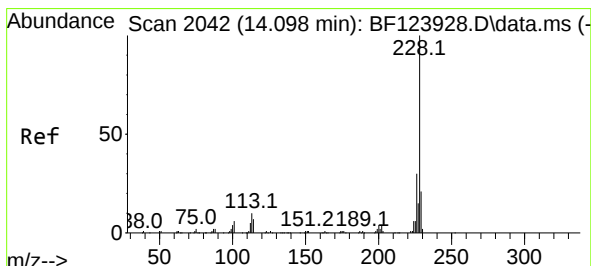
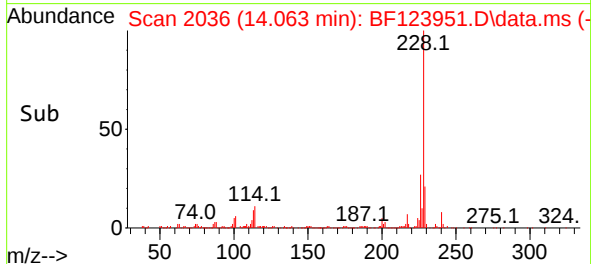
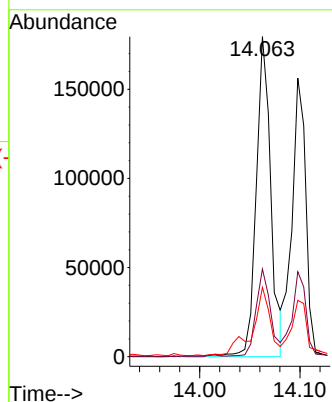
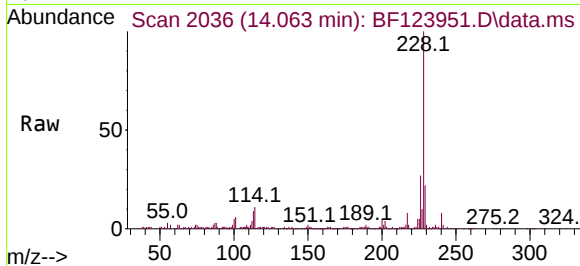




#81
Benzo(a)anthracene
Concen: 28.40 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

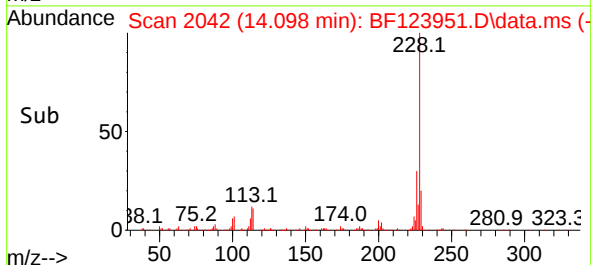
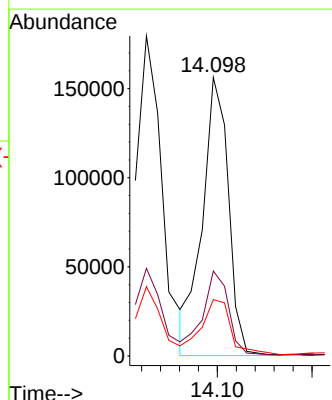
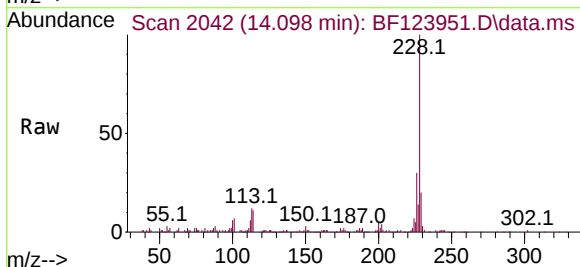
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

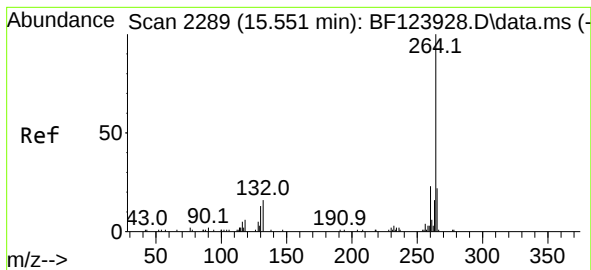
Tgt Ion:228 Resp: 181513
Ion Ratio Lower Upper
228 100
226 27.4 22.4 33.6
229 21.7 16.0 24.0



#83
Chrysene
Concen: 24.34 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:228 Resp: 149602
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.2 16.2 24.2

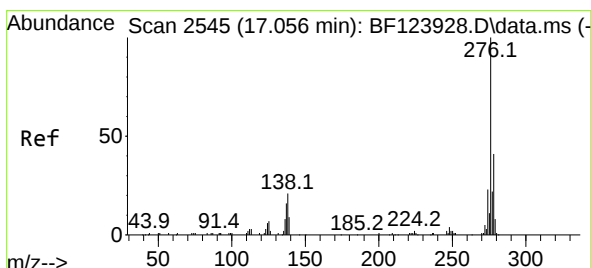
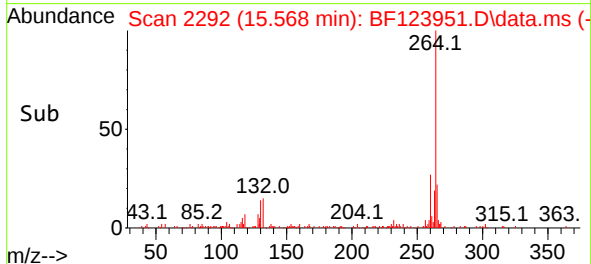
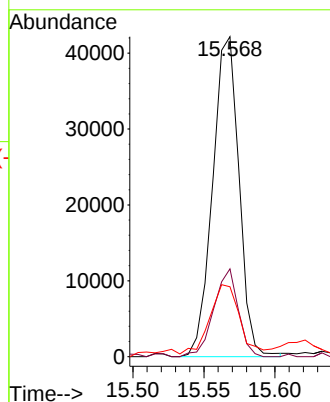
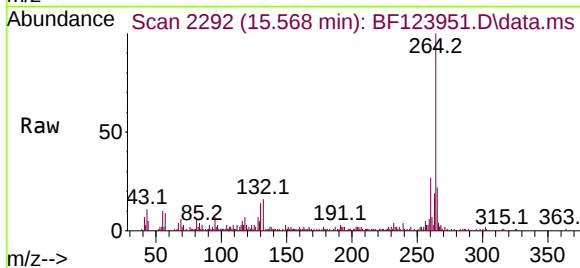




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

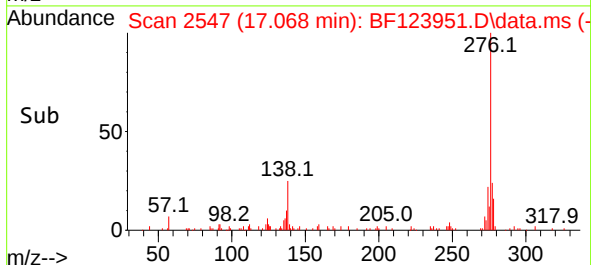
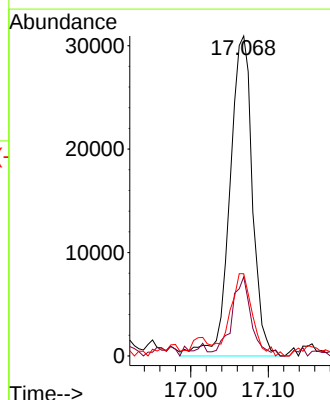
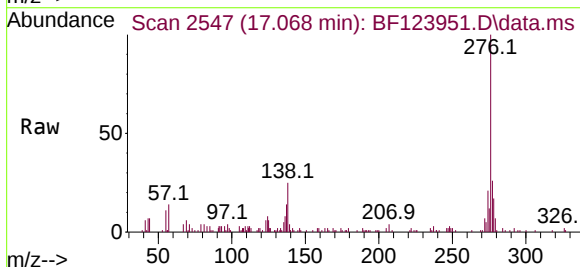
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

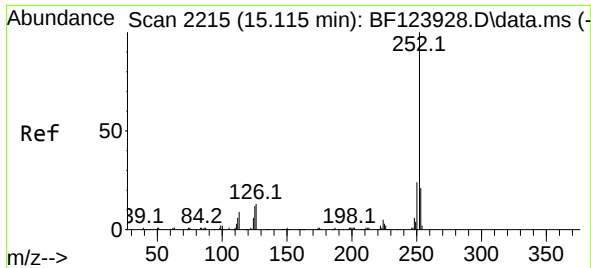
Tgt Ion:264	Resp:	54516
Ion Ratio	Lower	Upper
264	100	
260	27.4	18.7 28.1
265	21.8	17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.89 ng
RT: 17.068 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:276	Resp:	62698
Ion Ratio	Lower	Upper
276	100	
138	21.6	16.2 24.2
277	25.5	20.1 30.1

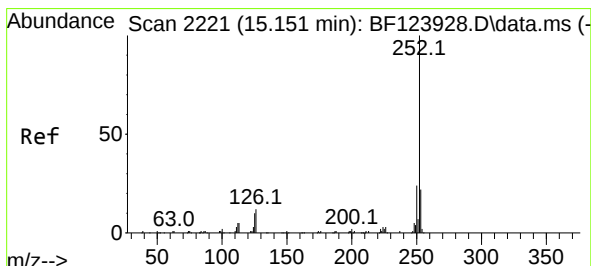
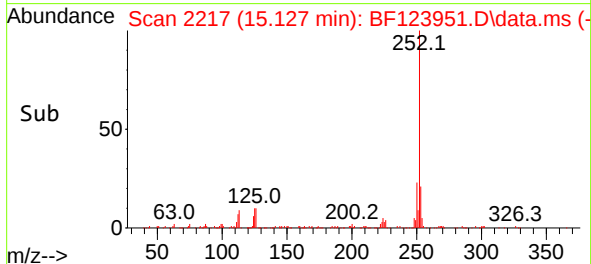
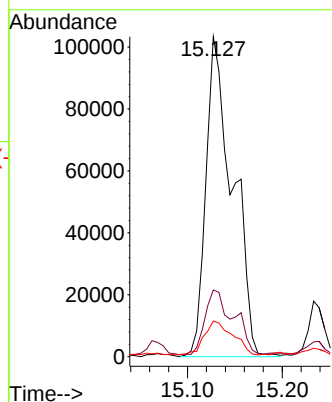
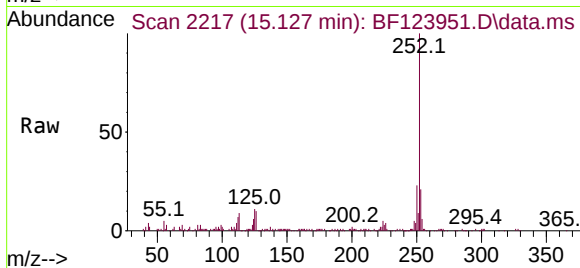




#88
Benzo(b)fluoranthene
Concen: 48.30 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

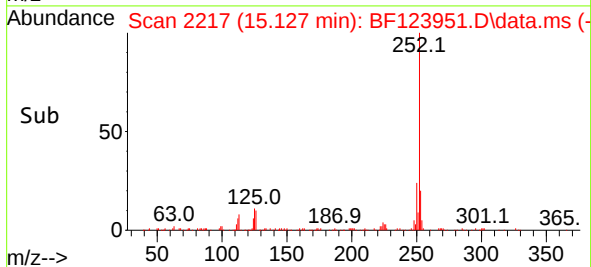
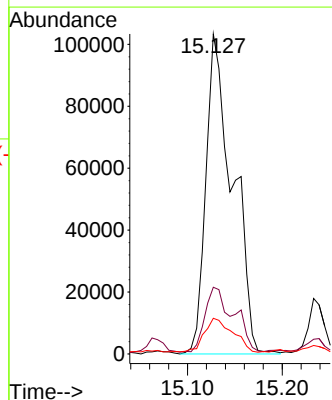
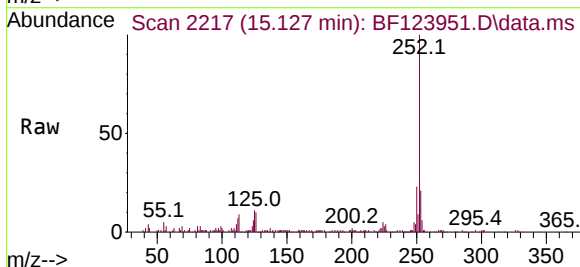
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

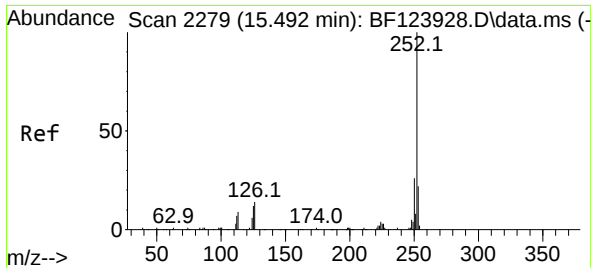
Tgt Ion:252 Resp: 203680
Ion Ratio Lower Upper
252 100
253 20.8 18.1 27.1
125 11.2 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 53.00 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.023 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:252 Resp: 203680
Ion Ratio Lower Upper
252 100
253 20.8 17.9 26.9
125 11.2 7.0 10.6#

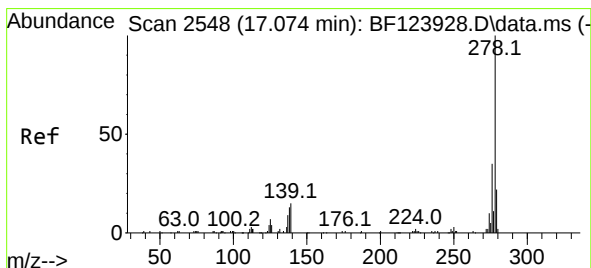
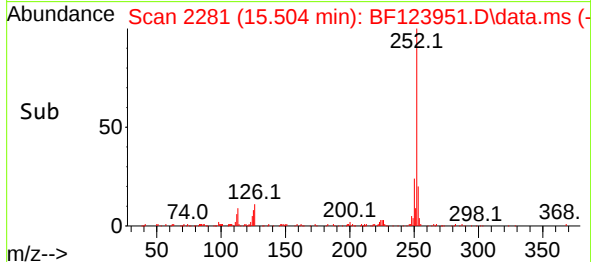
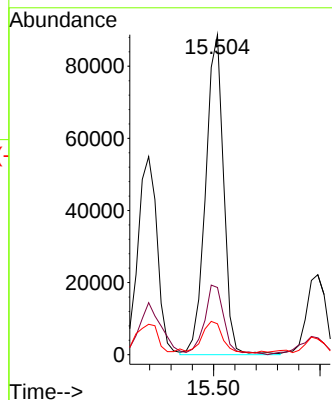
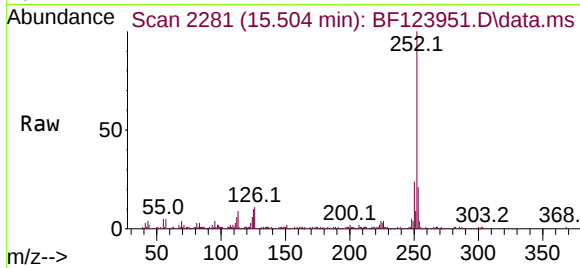




#90
Benzo(a)pyrene
Concen: 28.69 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

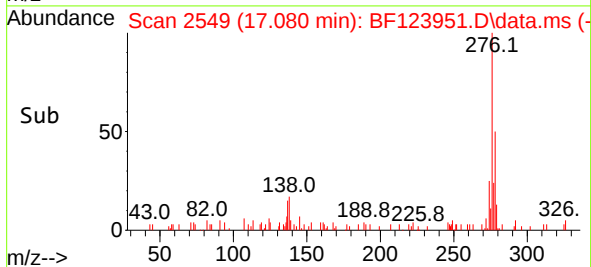
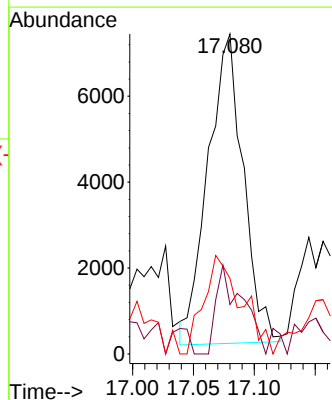
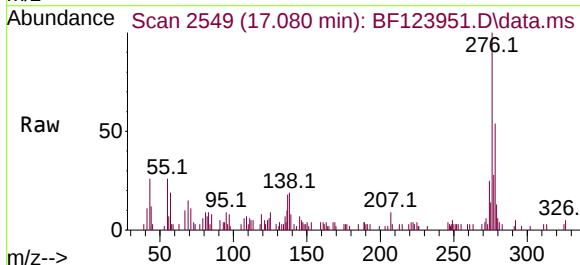
Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

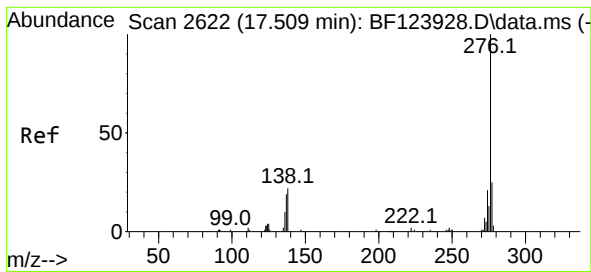
Tgt Ion:252	Resp:	104573
Ion Ratio	Lower	Upper
252	100	
253	21.0	18.4 27.6
125	9.6	8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.10 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.006 min
Lab File: BF123951.D
Acq: 15 May 2021 18:23

Tgt Ion:278	Resp:	14538
Ion Ratio	Lower	Upper
278	100	
139	15.4	10.2 15.2#
279	23.6	19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 16.46 ng
 RT: 17.521 min Scan# 2624
 Delta R.T. 0.012 min
 Lab File: BF123951.D
 Acq: 15 May 2021 18:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Tgt Ion:	276	Resp:	58542
Ion Ratio	Lower	Upper	
276	100		
277	21.0	18.2	27.2
138	18.9	13.8	20.6

