

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020921\
 Data File : BF123168.D
 Acq On : 9 Feb 2021 17:00
 Operator : JU/CG
 Sample : M1341-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20057

Quant Time: Feb 09 17:48:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

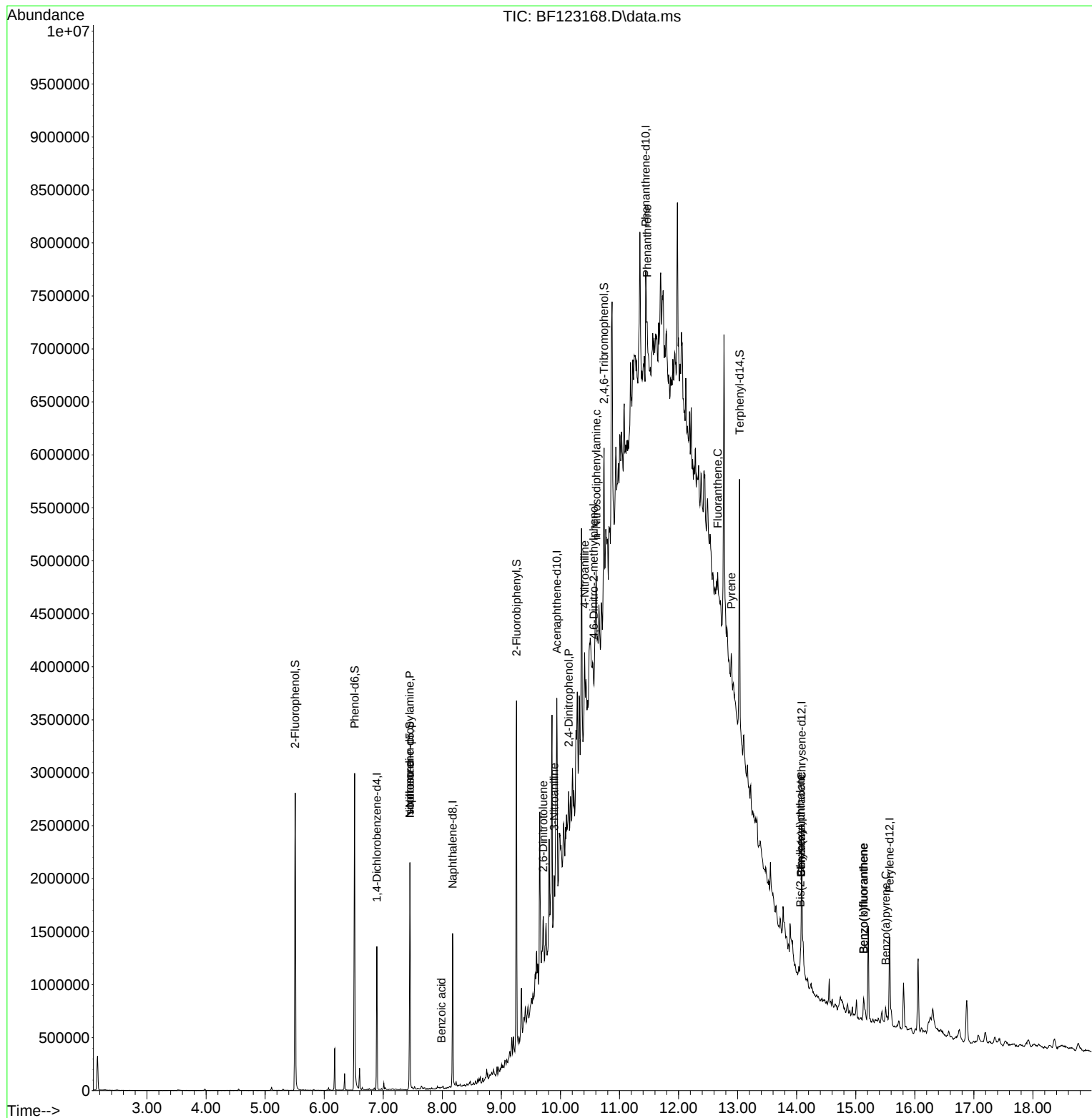
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	178270	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	680313	20.00	ng	0.00
39) Acenaphthene-d10	9.939	164	317329	20.00	ng	0.00
64) Phenanthrene-d10	11.445	188	436335	20.00	ng	# 0.01
76) Chrysene-d12	14.086	240	405495	20.00	ng	0.00
86) Perylene-d12	15.574	264	395495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	894362	77.39	ng	0.00
7) Phenol-d6	6.516	99	1089478	69.55	ng	0.00
23) Nitrobenzene-d5	7.451	82	681379	50.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	257537	74.76	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1044054	48.91	ng	0.00
79) Terphenyl-d14	13.033	244	833540	40.39	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	92276	9.80	ng	# 79
25) Isophorone	7.451	82	678482	27.40	ng	# 65
32) Benzoic acid	7.986	122	113	4.93	ng	# 1
51) 2,6-Dinitrotoluene	9.710	165	13787	2.60	ng	# 45
53) 3-Nitroaniline	9.892	138	14853	2.37	ng	# 21
54) 2,4-Dinitrophenol	10.139	184	1913	7.57	ng	# 1
62) 4-Nitroaniline	10.410	138	36832	5.85	ng	78
65) 4,6-Dinitro-2-methylph...	10.563	198	2557	5.93	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	44136	2.81	ng	# 48
71) Phenanthrene	11.469	178	112508	4.15	ng	# 67
75) Fluoranthene	12.663	202	126208	4.66	ng	91
78) Pyrene	12.892	202	111520	3.64	ng	# 93
81) Benzo(a)anthracene	14.074	228	73311	2.67	ng	98
83) Chrysene	14.074	228	73311	2.67	ng	95
84) Bis(2-ethylhexyl)phtha...	14.062	149	57910	3.31	ng	# 93
88) Benzo(b)fluoranthene	15.133	252	133397	4.67	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	133397	5.03	ng	# 94
90) Benzo(a)pyrene	15.509	252	64411	2.57	ng	# 90

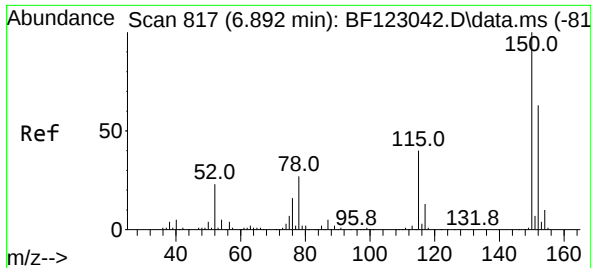
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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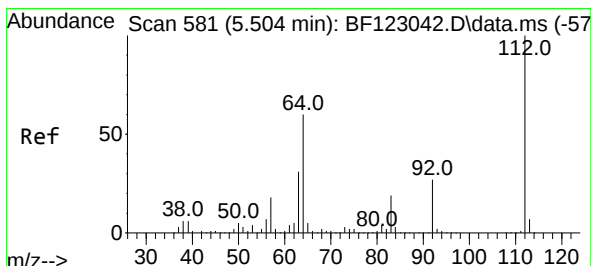
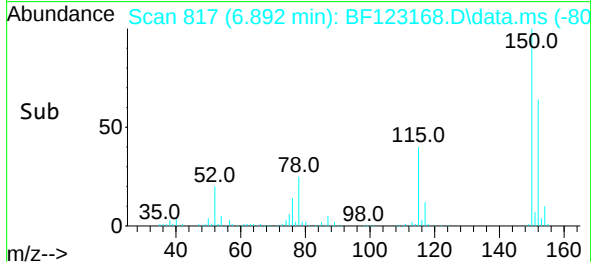
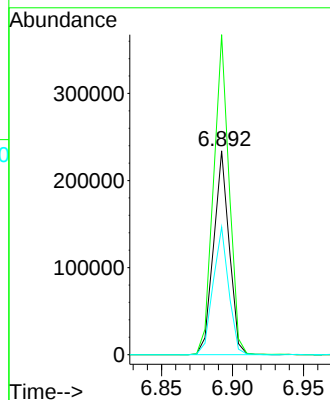
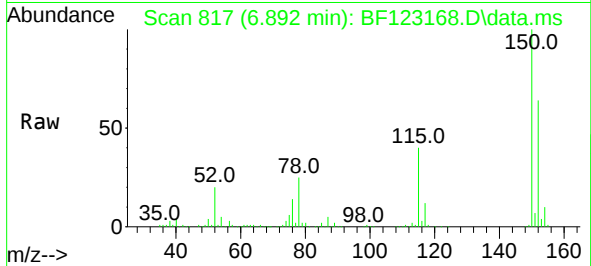




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.892 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF123168.D
 Acq: 9 Feb 2021 17:00

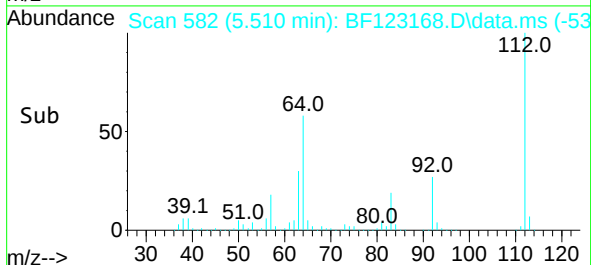
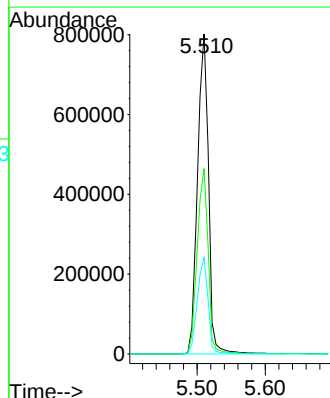
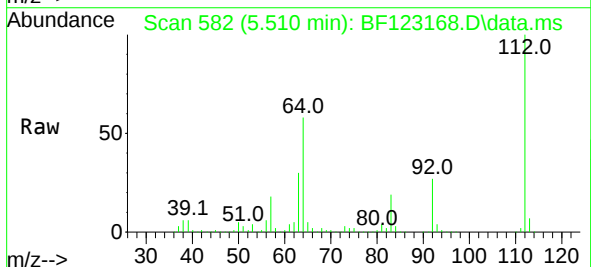
Instrument :
 BNA_F
 ClientSampled :
 20057

Tgt Ion:152 Resp: 178270
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.8 188.6
 115 62.7 49.3 73.9



#5
 2-Fluorophenol
 Concen: 77.39 ng
 RT: 5.510 min Scan# 582
 Delta R.T. 0.006 min
 Lab File: BF123168.D
 Acq: 9 Feb 2021 17:00

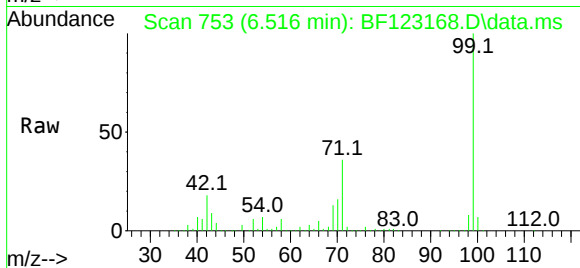
Tgt Ion:112 Resp: 894362
 Ion Ratio Lower Upper
 112 100
 64 58.0 46.9 70.3
 63 30.1 24.5 36.7





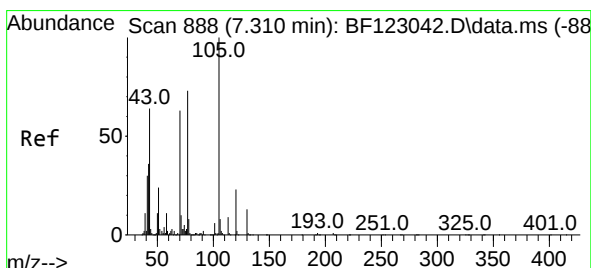
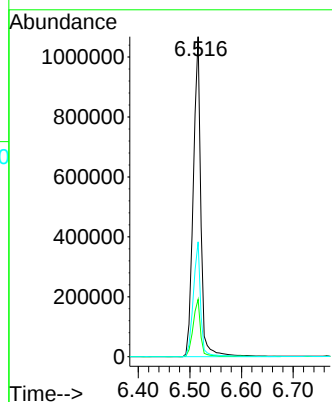
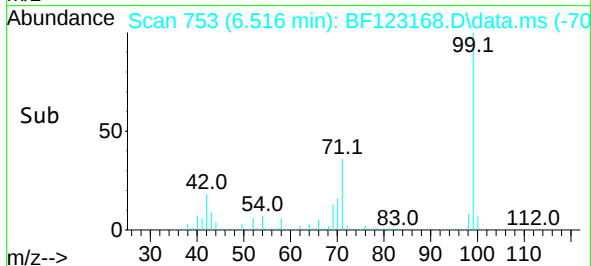
#7
Phenol-d6
Concen: 69.55 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Instrument :
BNA_F
ClientSampleId :
20057

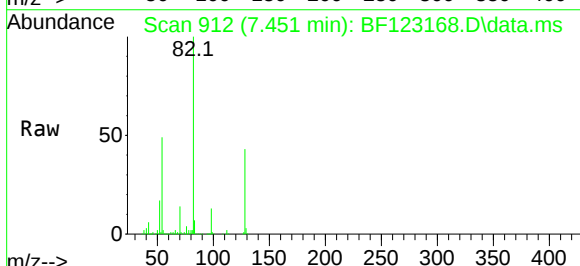


Tgt Ion: 99 Resp: 1089478

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.8	20.6
71	35.9	26.9	40.3

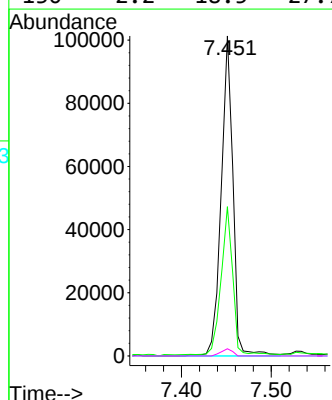
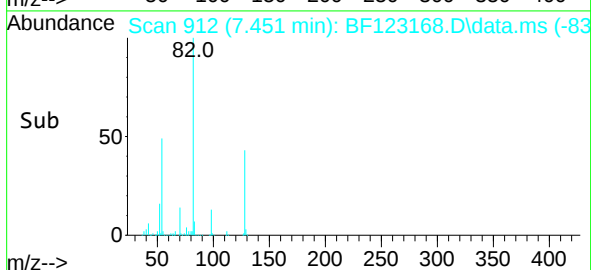


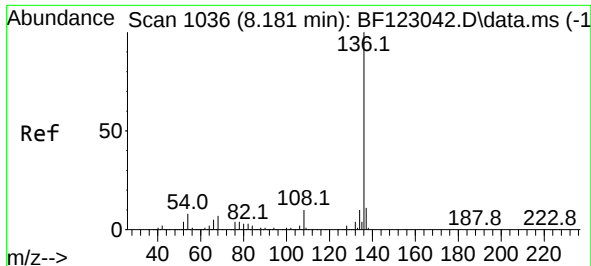
#19
n-Nitroso-di-n-propylamine
Concen: 9.80 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00



Tgt Ion: 70 Resp: 92276

Ion	Ratio	Lower	Upper
70	100		
42	46.7	43.0	64.4
101	0.0	7.9	11.9#
130	2.2	18.5	27.7#



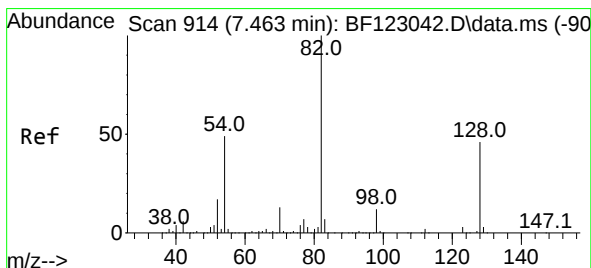
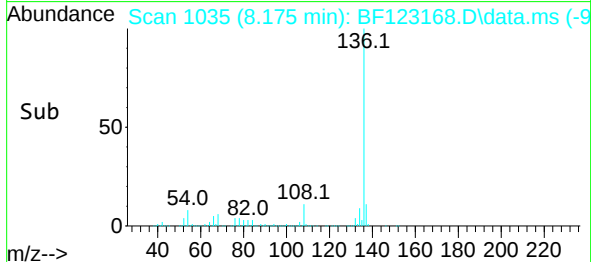
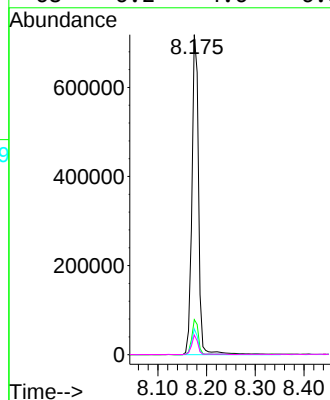
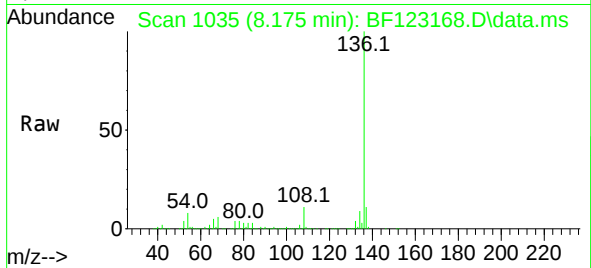


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Instrument :
BNA_F
ClientSampleId :
20057

Tgt Ion:136 Resp: 680313

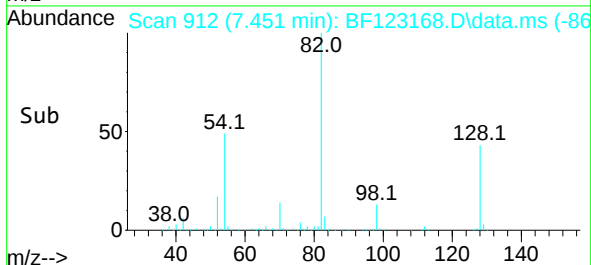
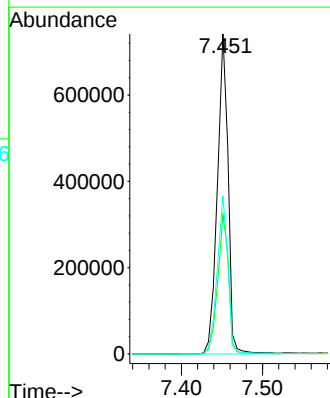
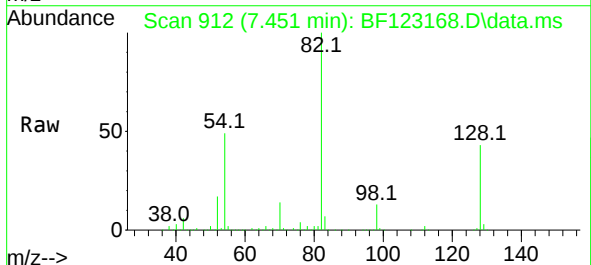
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	5.5	8.3
68	6.2	4.6	6.8

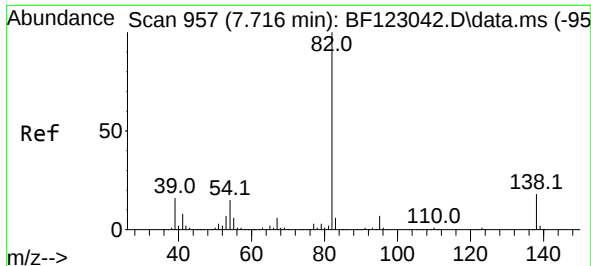


#23
Nitrobenzene-d5
Concen: 50.41 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion: 82 Resp: 681379

Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.0	55.4
54	49.5	38.4	57.6

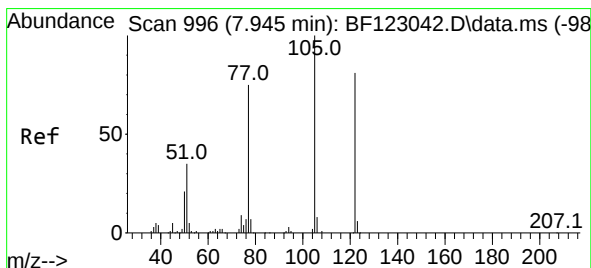
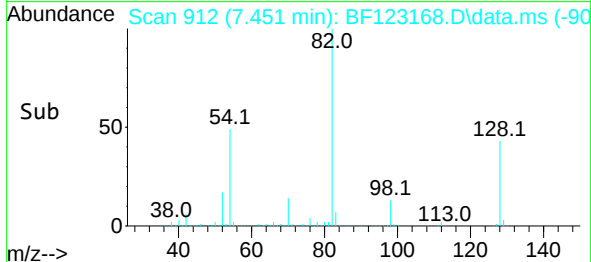
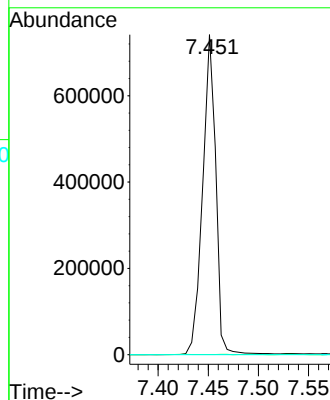
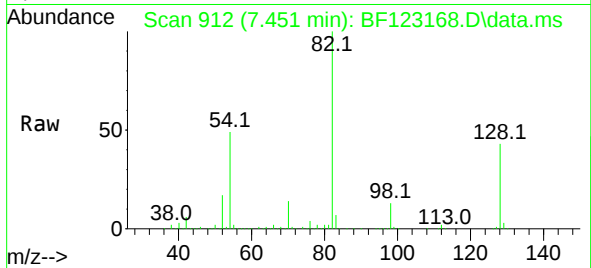




#25
Isophorone
Concen: 27.40 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

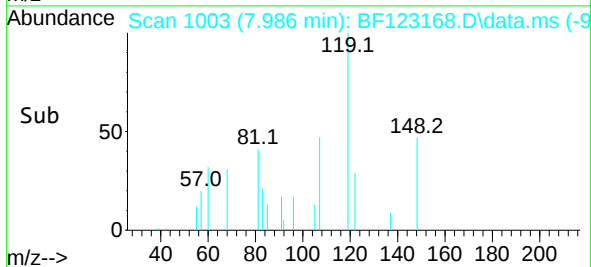
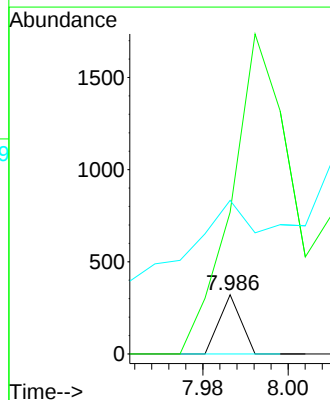
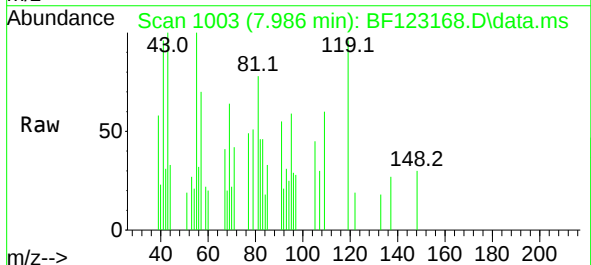
Instrument :
BNA_F
ClientSampleId :
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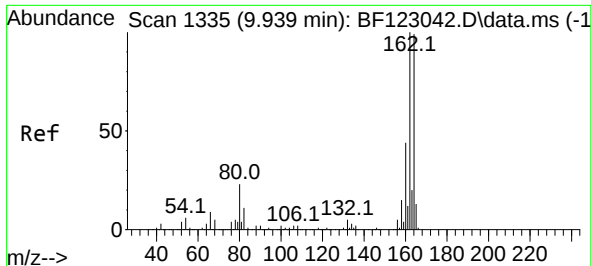
Tgt Ion: 82 Resp: 678482
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 4.93 ng
RT: 7.986 min Scan# 1003
Delta R.T. 0.041 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion: 122 Resp: 113
Ion Ratio Lower Upper
122 100
105 239.6 104.8 144.8#
77 259.5 71.0 111.0#

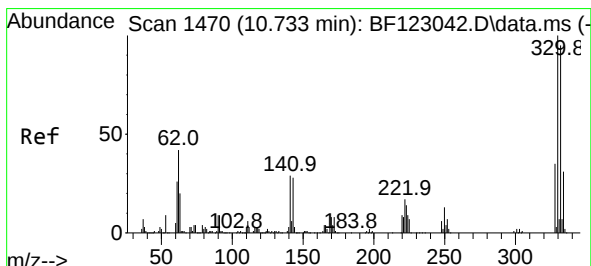
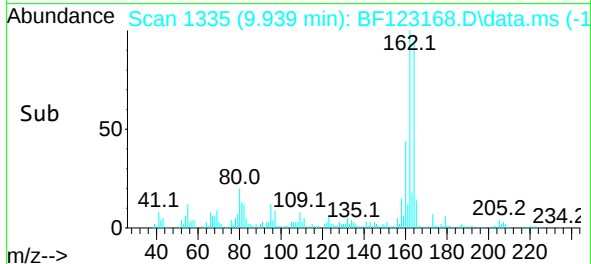
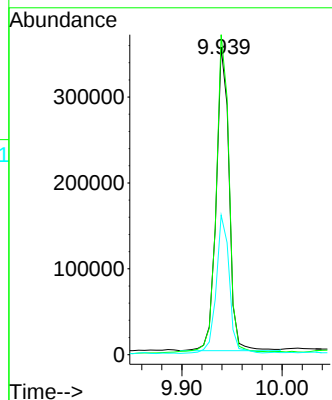
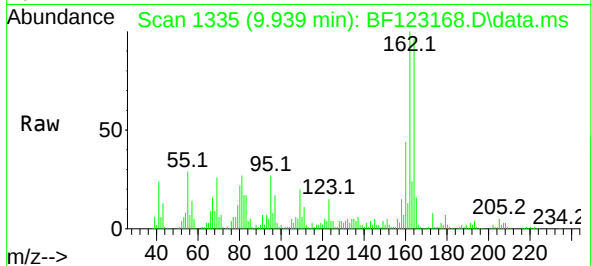




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

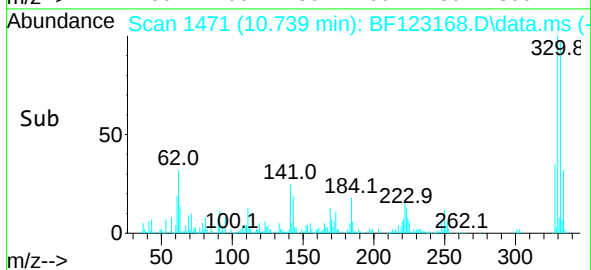
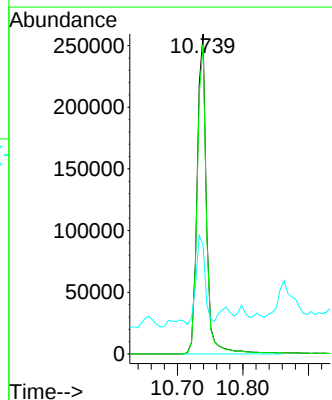
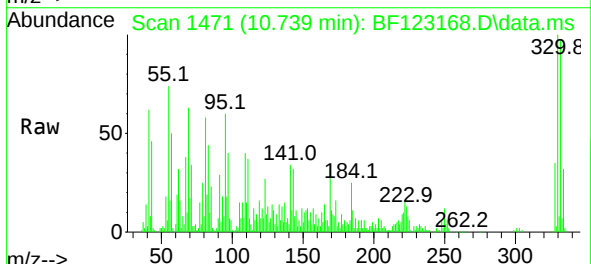
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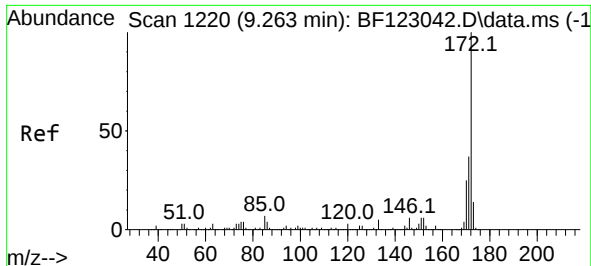
Tgt Ion:164 Resp: 317329
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 74.76 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:330 Resp: 257537
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 26.7 23.8 35.8

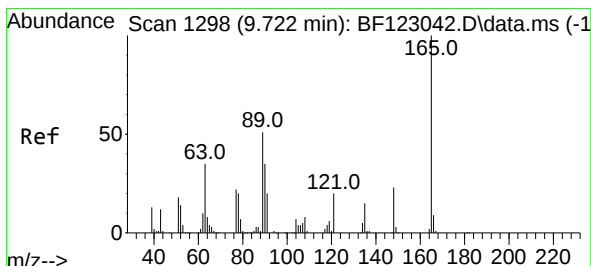
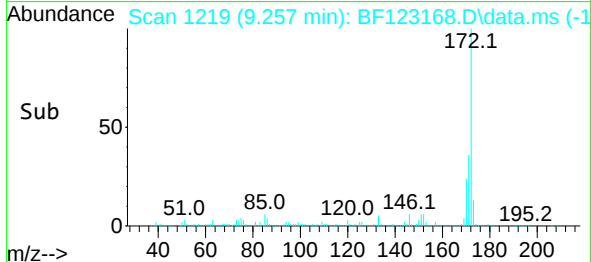
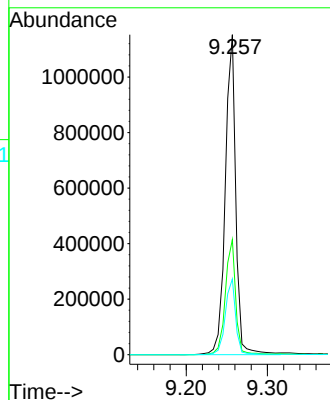
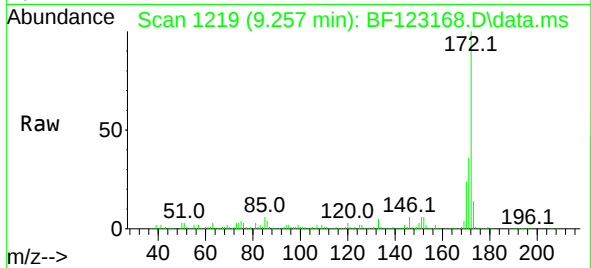




#45
2-Fluorobiphenyl
Concen: 48.91 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

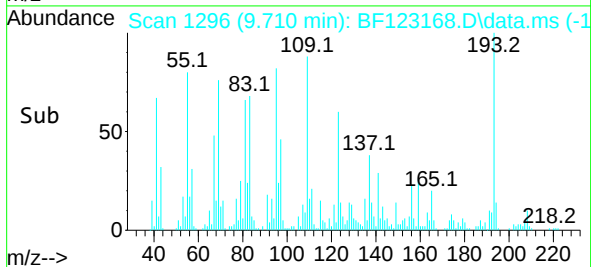
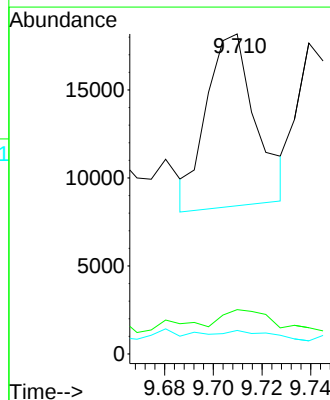
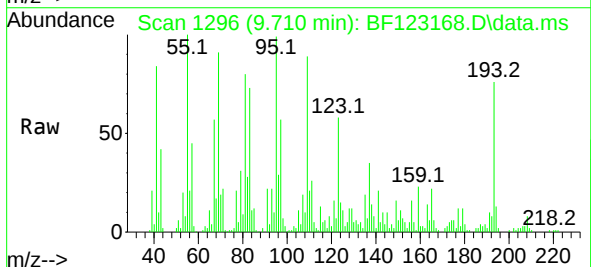
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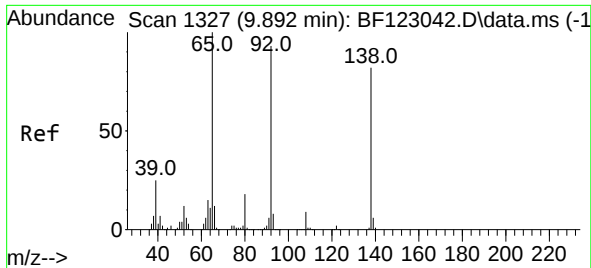
Tgt Ion:172 Resp: 1044054
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 2.60 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:165 Resp: 13787
Ion Ratio Lower Upper
165 100
63 13.8 36.6 55.0#
89 7.3 39.4 59.0#

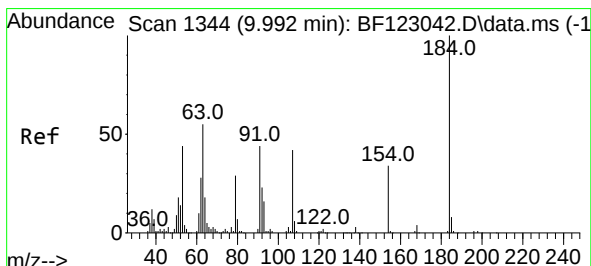
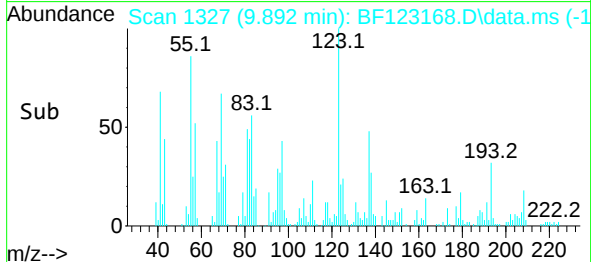
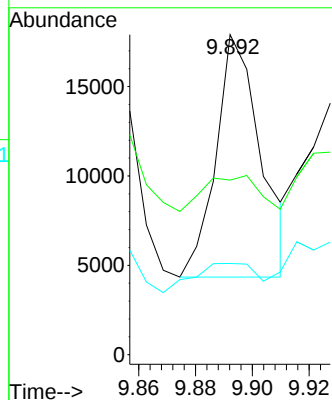
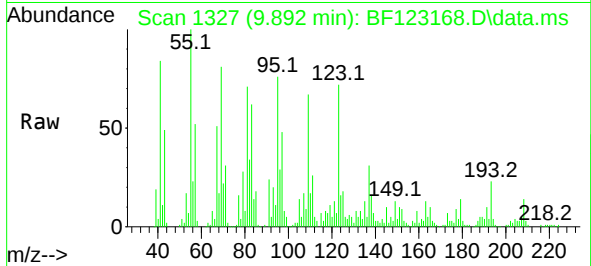




#53
3-Nitroaniline
Concen: 2.37 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

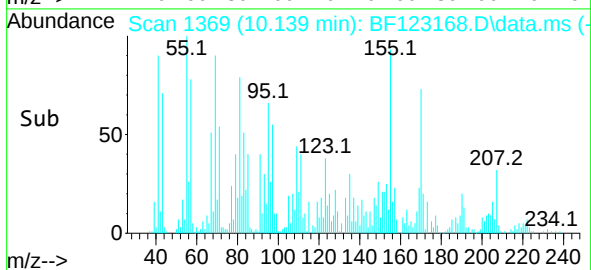
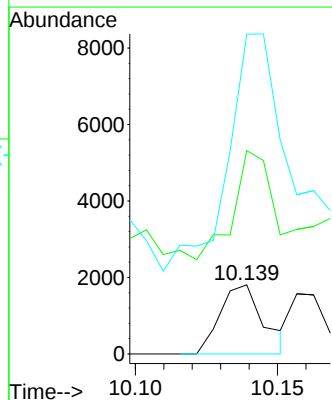
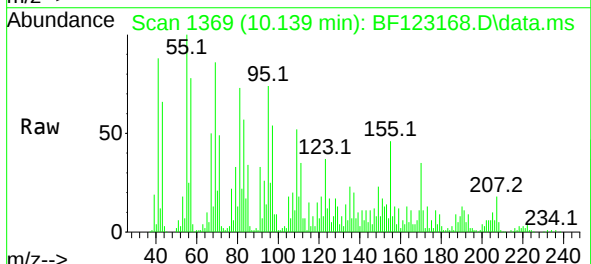
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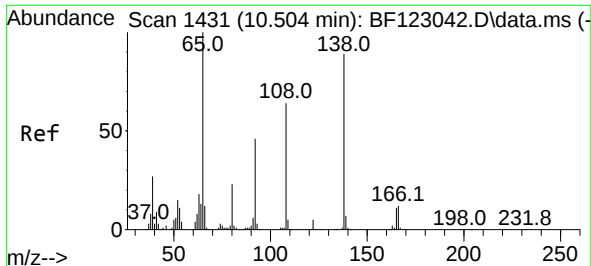
Tgt Ion:138 Resp: 14853
Ion Ratio Lower Upper
138 100
108 54.6 8.2 12.2#
92 28.5 85.4 128.2#



#54
2,4-Dinitrophenol
Concen: 7.57 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.147 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:184 Resp: 1913
Ion Ratio Lower Upper
184 100
63 294.0 51.4 77.2#
154 462.6 49.7 74.5#

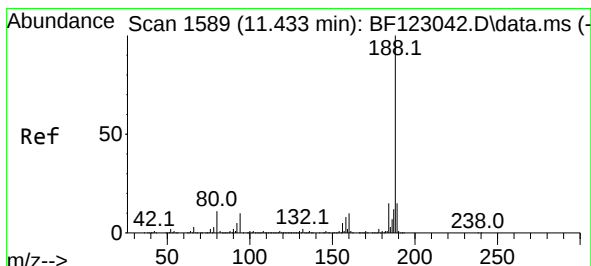
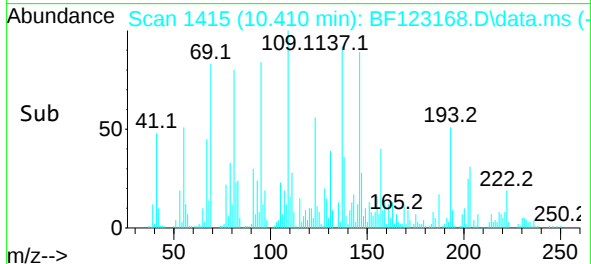
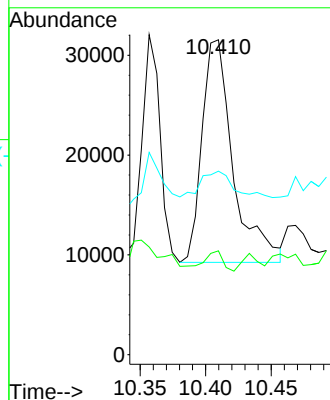
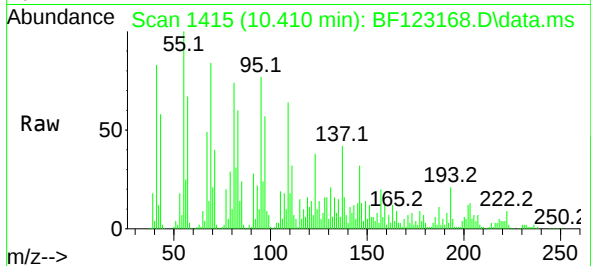




#62
4-Nitroaniline
Concen: 5.85 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.094 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

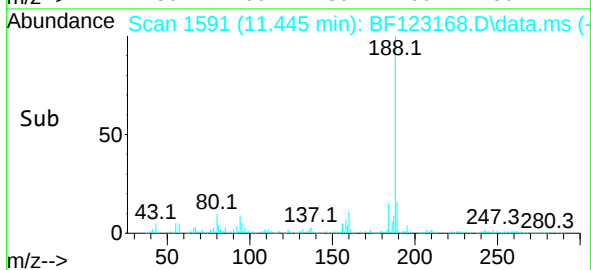
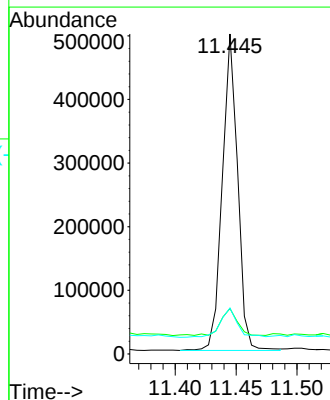
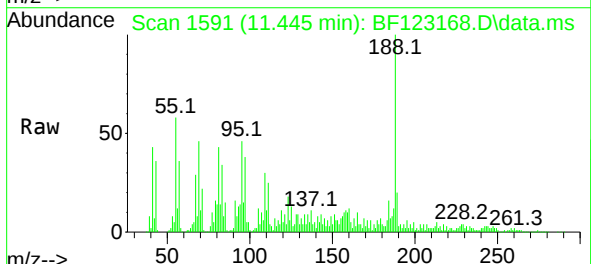
Instrument :
BNA_F
ClientSampleId :
20057

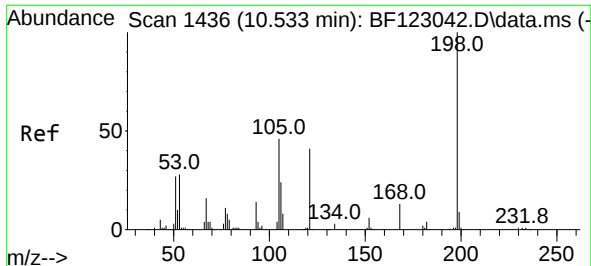
Tgt Ion:138 Resp: 36832
Ion Ratio Lower Upper
138 100
92 33.0 31.0 71.0
108 58.3 54.8 94.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:188 Resp: 436335
Ion Ratio Lower Upper
188 100
94 14.2 7.4 11.2#
80 14.4 8.2 12.4#

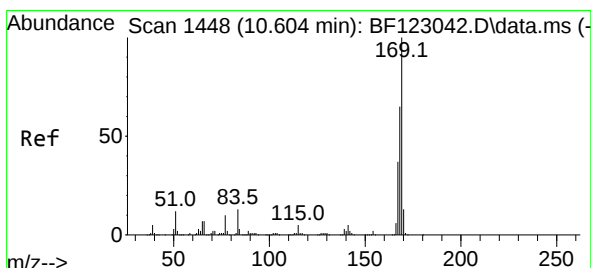
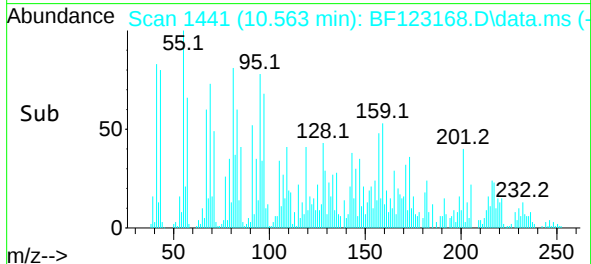
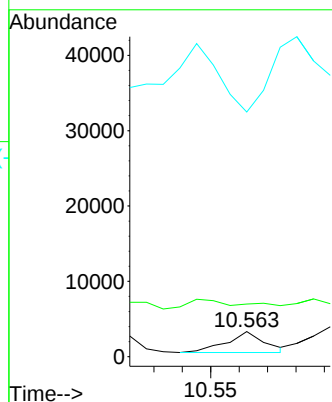
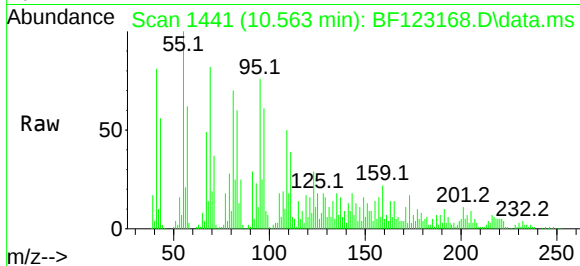




#65
4,6-Dinitro-2-methylphenol
Concen: 5.93 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.030 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

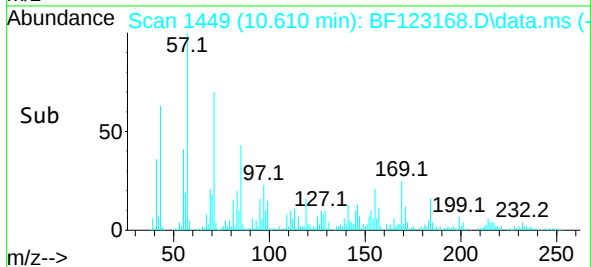
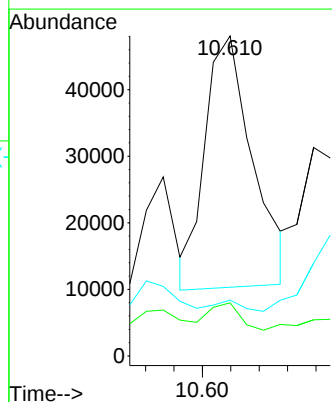
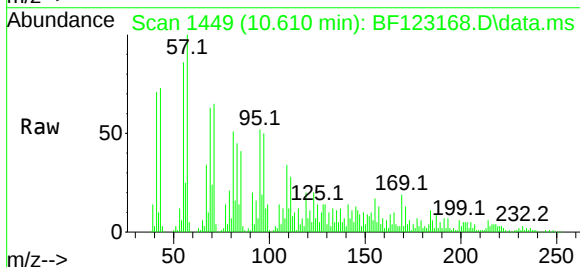
Instrument :
BNA_F
ClientSampleId :
20057

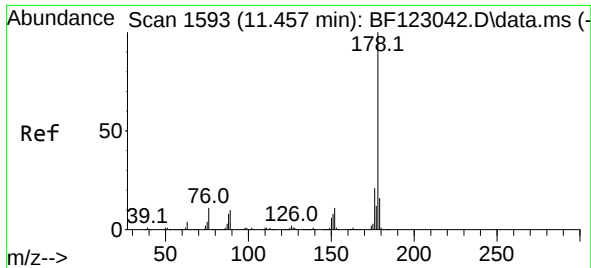
Tgt Ion:198 Resp: 2557
Ion Ratio Lower Upper
198 100
51 209.8 20.3 60.3#
105 975.1 23.0 63.0#



#66
n-Nitrosodiphenylamine
Concen: 2.81 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:169 Resp: 44136
Ion Ratio Lower Upper
169 100
168 16.6 54.2 81.2#
167 17.4 29.2 43.8#

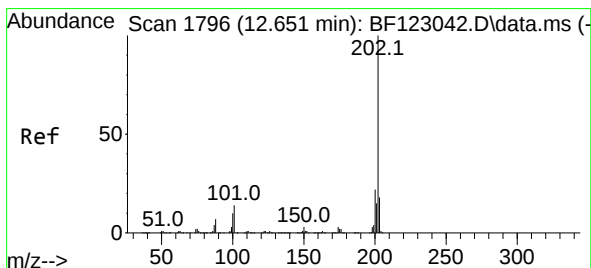
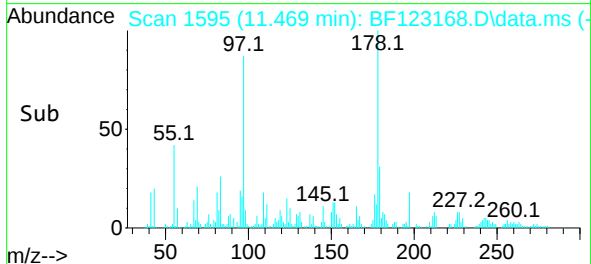
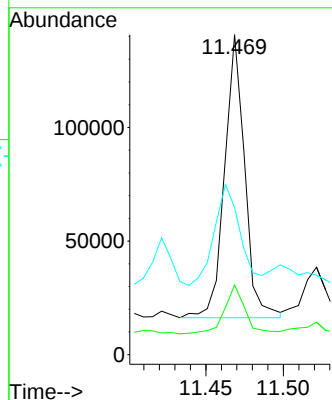
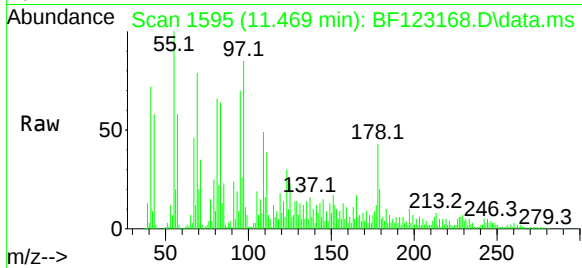




#71
Phenanthrene
Concen: 4.15 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

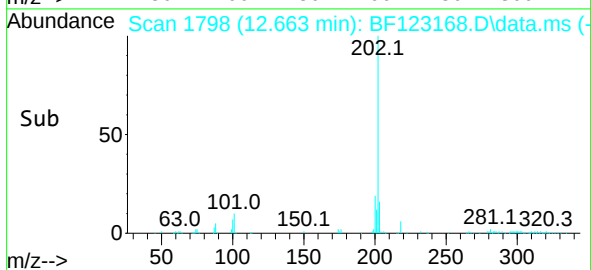
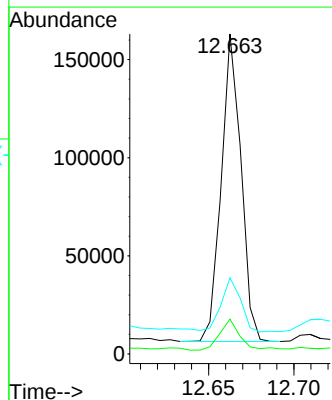
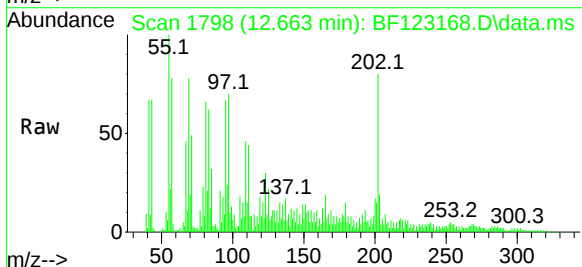
Instrument :
BNA_F
ClientSampleId :
20057

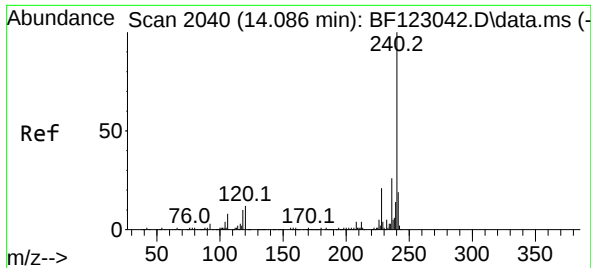
Tgt Ion:178 Resp: 112508
Ion Ratio Lower Upper
178 100
176 21.7 16.2 24.2
179 46.0 12.7 19.1#



#75
Fluoranthene
Concen: 4.66 ng
RT: 12.663 min Scan# 1798
Delta R.T. 0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:202 Resp: 126208
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.2
203 23.8 0.0 38.1

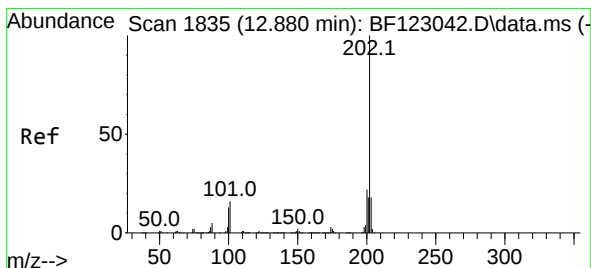
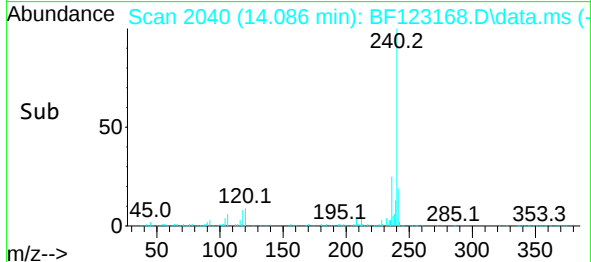
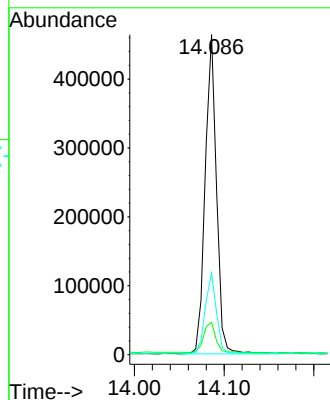
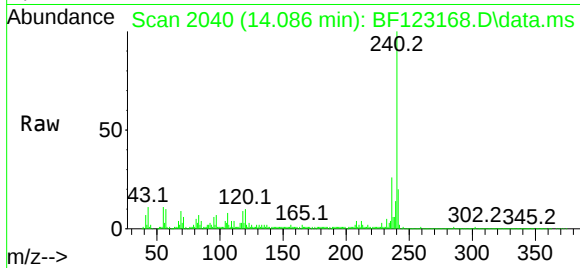




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

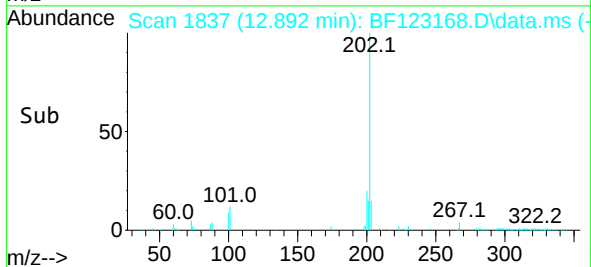
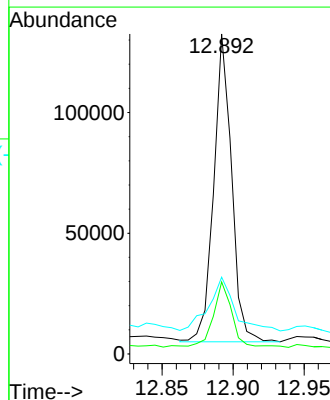
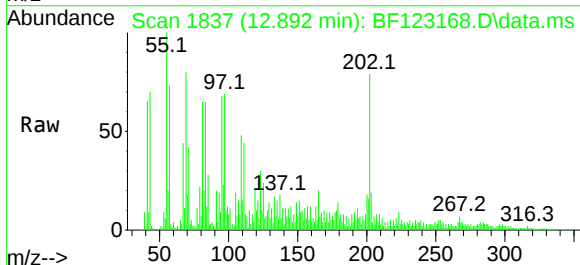
Instrument :
BNA_F
ClientSampled :
20057

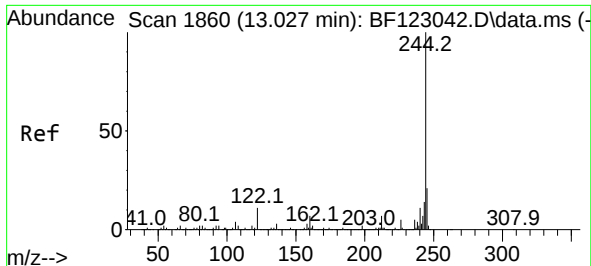
Tgt Ion:240 Resp: 405495
Ion Ratio Lower Upper
240 100
120 10.2 8.6 12.8
236 25.5 20.3 30.5



#78
Pyrene
Concen: 3.64 ng
RT: 12.892 min Scan# 1837
Delta R.T. 0.012 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:202 Resp: 111520
Ion Ratio Lower Upper
202 100
200 22.5 17.6 26.4
203 24.0 14.6 21.8#

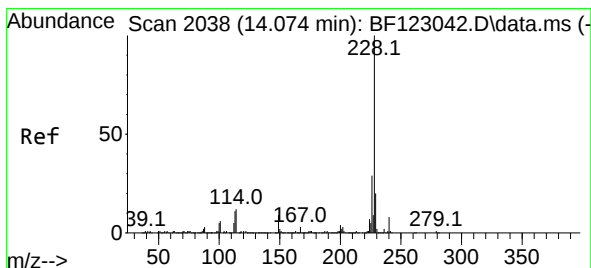
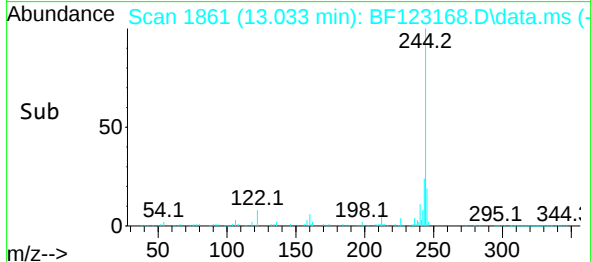
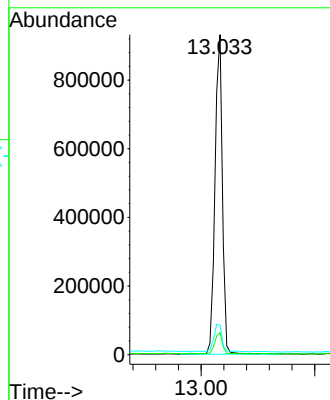
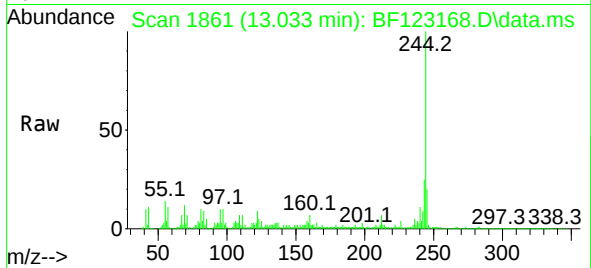




#79
 Terphenyl-d14
 Concen: 40.39 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. 0.006 min
 Lab File: BF123168.D
 Acq: 9 Feb 2021 17:00

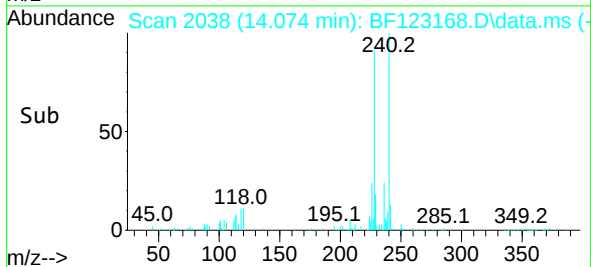
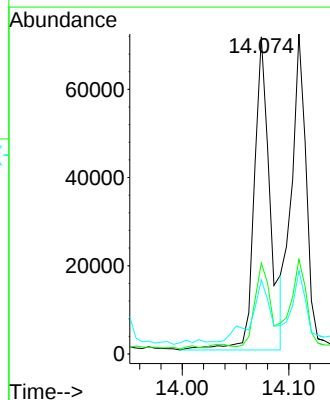
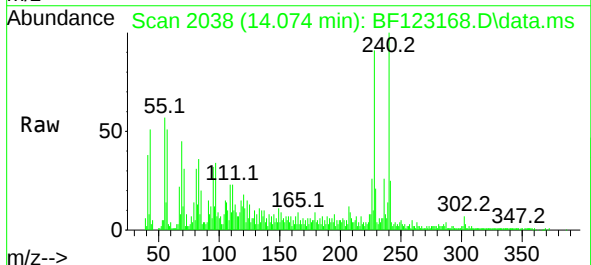
Instrument :
 BNA_F
 ClientSampleId :
 20057

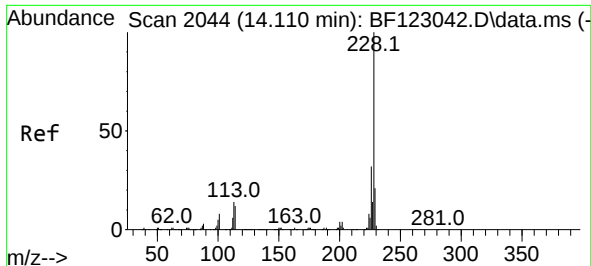
Tgt Ion:244 Resp: 833540
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 9.2 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.67 ng
 RT: 14.074 min Scan# 2038
 Delta R.T. -0.000 min
 Lab File: BF123168.D
 Acq: 9 Feb 2021 17:00

Tgt Ion:228 Resp: 73311
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.0 34.4
 229 23.3 16.6 24.8

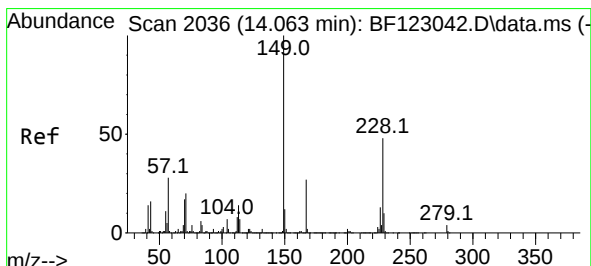
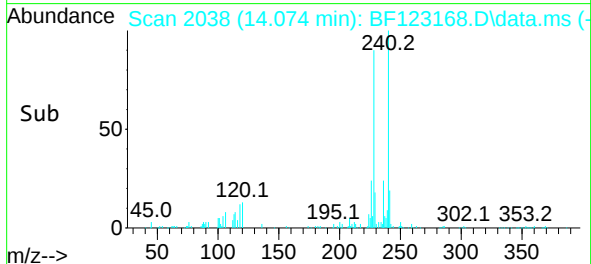
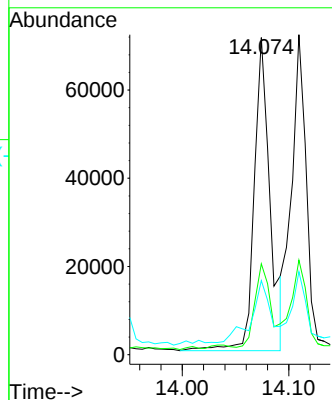
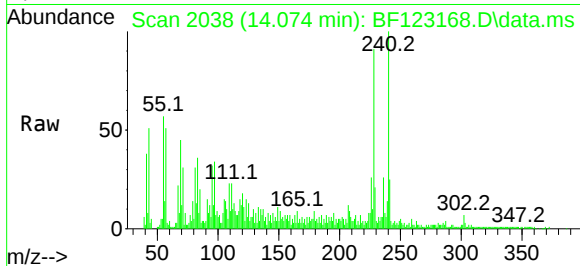




#83
Chrysene
Concen: 2.67 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.035 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

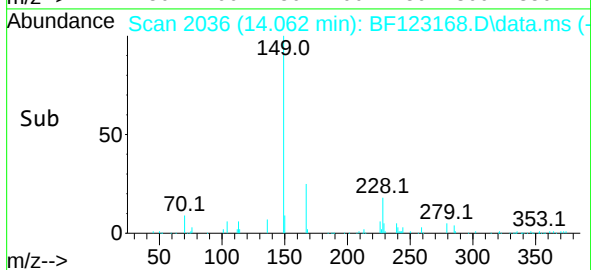
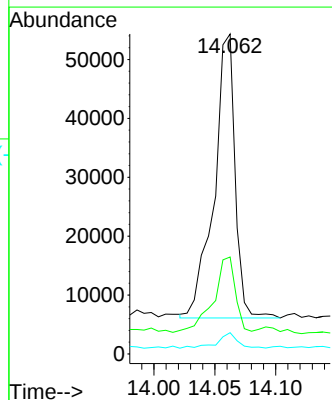
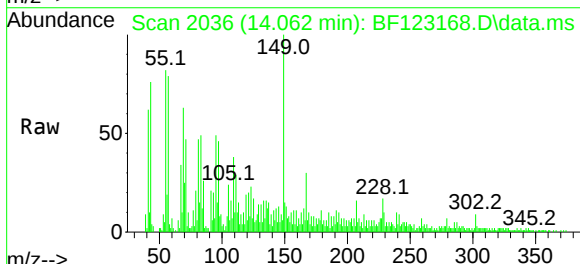
Instrument :
BNA_F
ClientSampleId :
20057

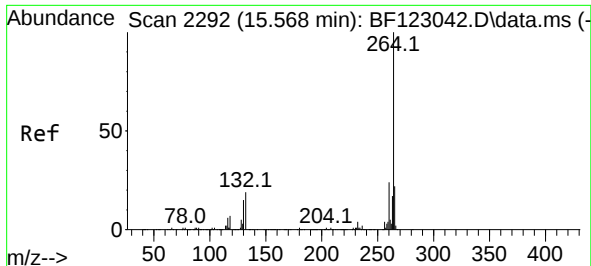
Tgt Ion:228 Resp: 73311
Ion Ratio Lower Upper
228 100
226 28.6 24.6 36.8
229 23.3 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.31 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:149 Resp: 57910
Ion Ratio Lower Upper
149 100
167 30.3 21.4 32.2
279 6.7 3.4 5.0#

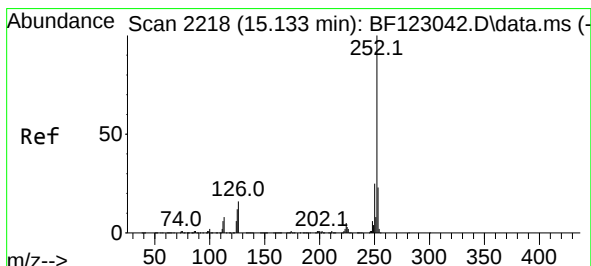
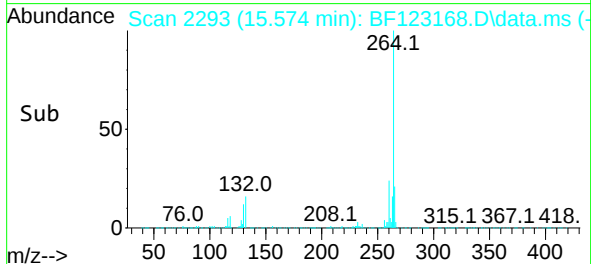
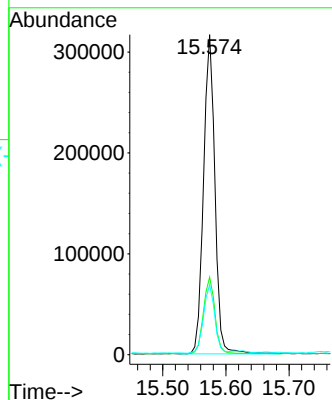
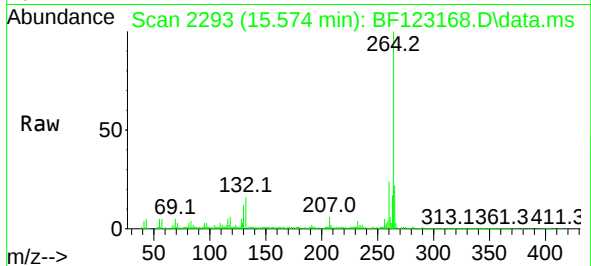




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.006 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

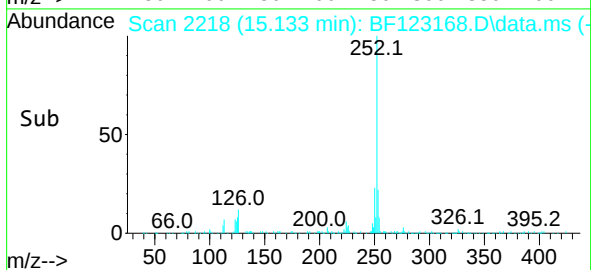
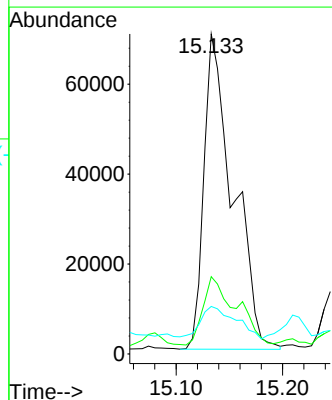
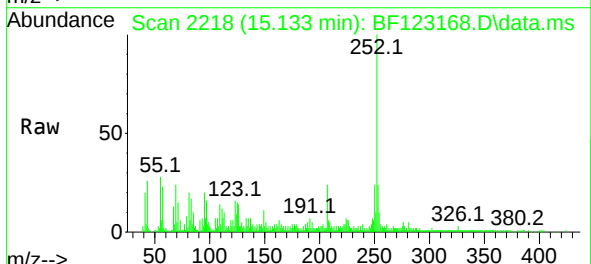
Instrument :
BNA_F
ClientSampleId :
20057

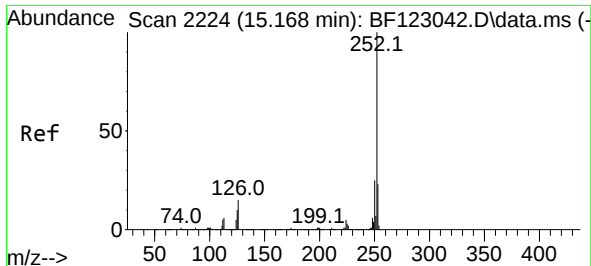
Tgt Ion:264 Resp: 395495
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 21.9 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 4.67 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:252 Resp: 133397
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 14.9 8.1 12.1#

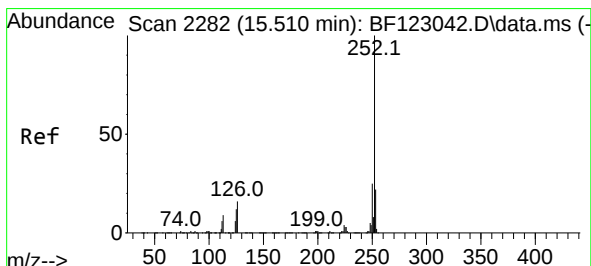
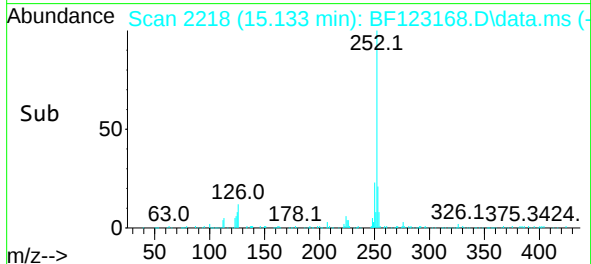
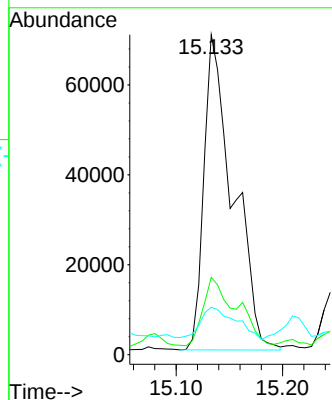
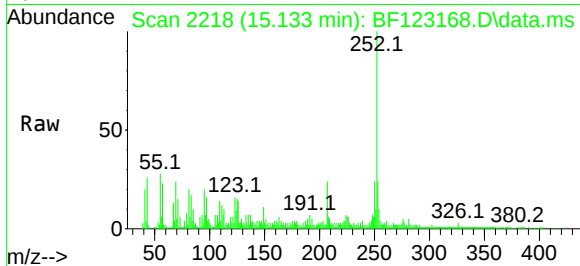




#89
Benzo(k)fluoranthene
Concen: 5.03 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Instrument :
BNA_F
ClientSampleId :
20057

Tgt Ion:252 Resp: 133397
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 14.9 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.57 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF123168.D
Acq: 9 Feb 2021 17:00

Tgt Ion:252 Resp: 64411
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 15.6 8.6 12.8#

