

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042321\
 Data File : BF123697.D
 Acq On : 23 Apr 2021 17:14
 Operator : JU/CG
 Sample : M2150-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-20

Quant Time: Apr 23 18:46:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 23 10:48:36 2021
 Response via : Initial Calibration

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

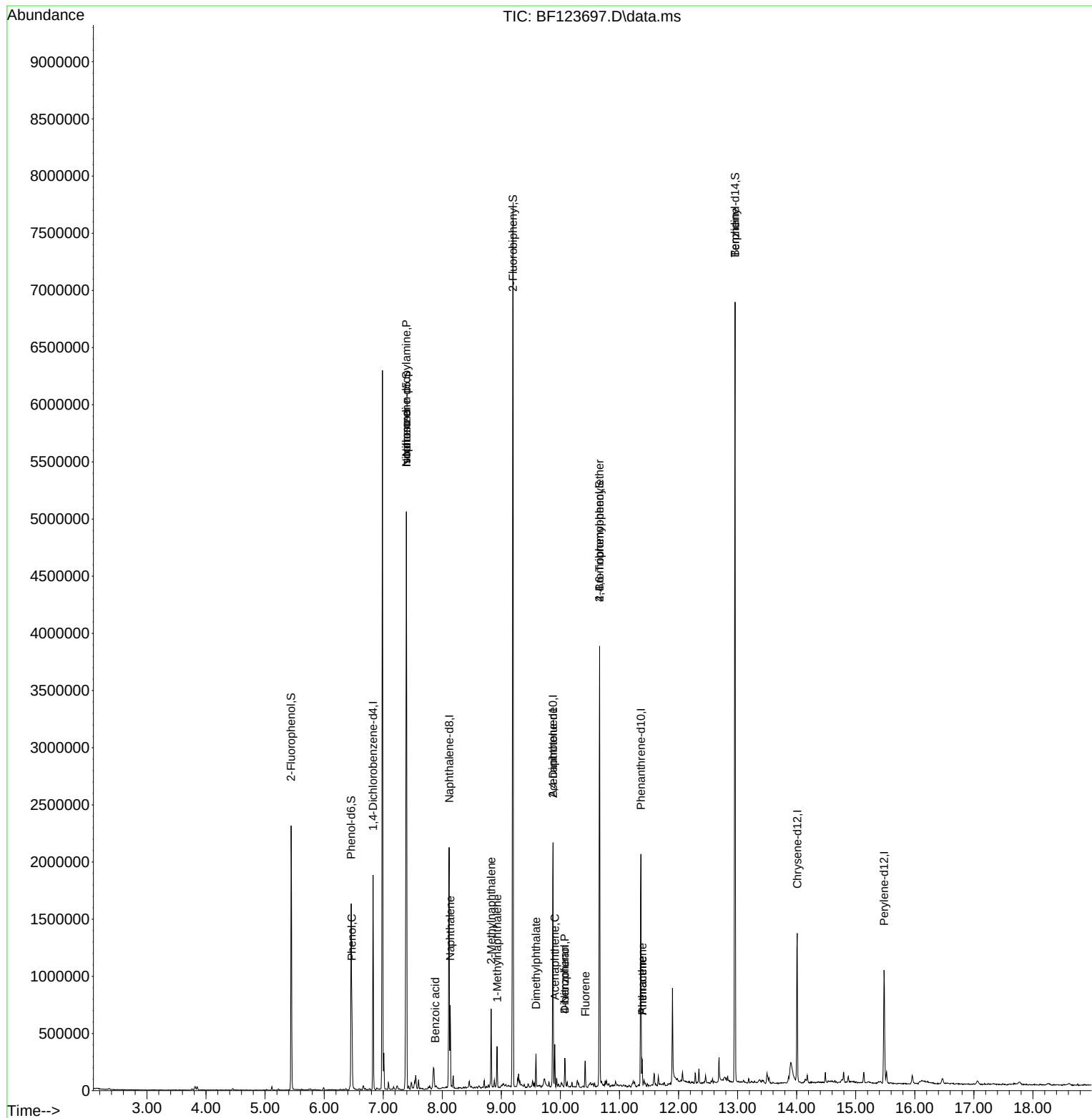
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	225729	20.00	ng	-0.01
21) Naphthalene-d8	8.116	136	826239	20.00	ng	-0.01
39) Acenaphthene-d10	9.875	164	385411	20.00	ng	-0.01
64) Phenanthrene-d10	11.363	188	673731	20.00	ng	-0.01
76) Chrysene-d12	14.010	240	448256	20.00	ng	-0.01
86) Perylene-d12	15.480	264	440289	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	511214	36.60	ng	-0.02
7) Phenol-d6	6.457	99	424123	21.91	ng	-0.02
23) Nitrobenzene-d5	7.393	82	1645488	91.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	402359	92.19	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	2411175	93.26	ng	0.00
79) Terphenyl-d14	12.957	244	2226326	96.53	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.469	94	165581	8.06	ng	95
19) n-Nitroso-di-n-propyla...	7.393	70	223473	17.43	ng	# 77
25) Isophorone	7.393	82	1642938	47.12	ng	# 69
31) Naphthalene	8.134	128	257923	6.06	ng	98
32) Benzoic acid	7.881	122	464	4.60	ng	# 19
37) 2-Methylnaphthalene	8.828	142	144474	5.18	ng	99
38) 1-Methylnaphthalene	8.928	142	78725	2.98	ng	98
50) Dimethylphthalate	9.586	163	85973	3.23	ng	99
52) Acenaphthene	9.904	154	65119	2.73	ng	92
55) Dibenzofuran	10.075	168	68581	2.01	ng	96
56) 4-Nitrophenol	10.075	139	26309	5.06	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	51483	6.59	ng	# 17
58) Fluorene	10.422	166	60735	2.26	ng	97
67) 4-Bromophenyl-phenylether	10.663	248	24212	3.44	ng	# 1
71) Phenanthrene	11.386	178	84366	2.40	ng	98
72) Anthracene	11.386	178	84366	2.40	ng	98
77) Benzidine	12.957	184	30908	2.54	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	691	Below	Cal	# 41
92) Benzo(g,h,i)perylene	17.392	276	564	Below	Cal	# 37

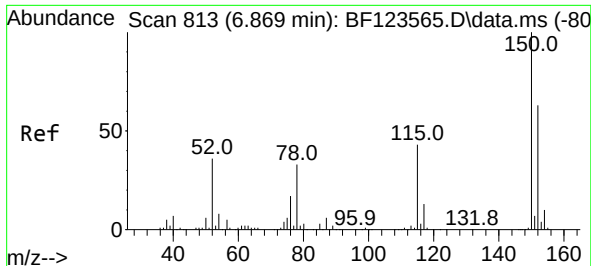
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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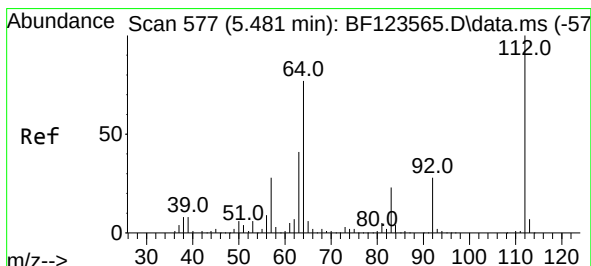
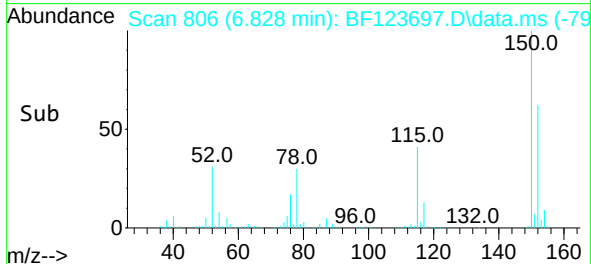
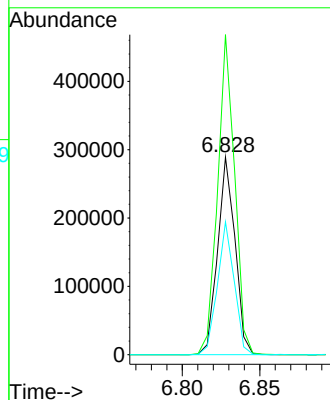
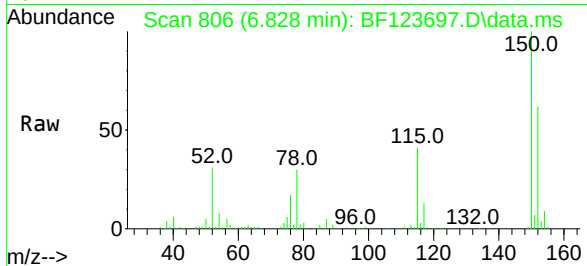




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.011 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

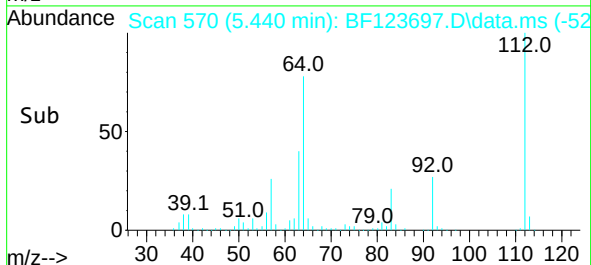
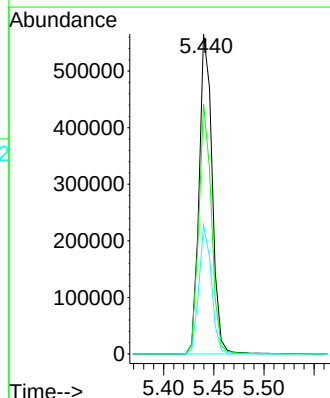
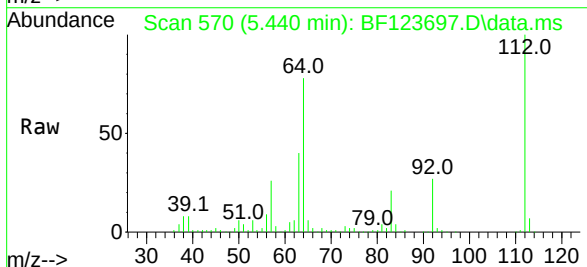
Instrument :
BNA_F
ClientSampleId :
TWP-20

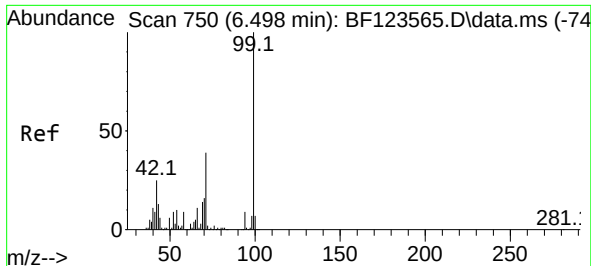
Tgt Ion:152 Resp: 225729
Ion Ratio Lower Upper
152 100
150 162.0 127.0 190.6
115 67.2 54.3 81.5



#5
2-Fluorophenol
Concen: 36.60 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:112 Resp: 511214
Ion Ratio Lower Upper
112 100
64 78.2 61.4 92.0
63 40.2 33.0 49.4

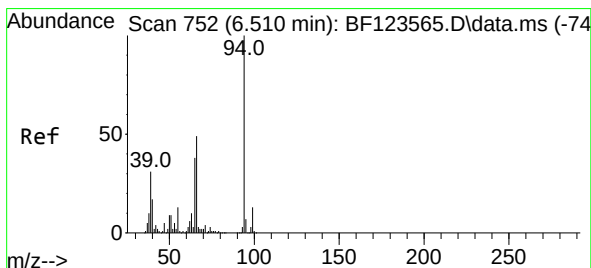
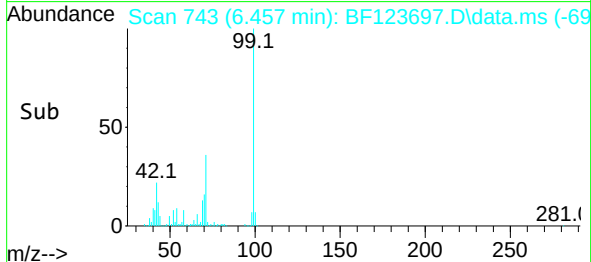
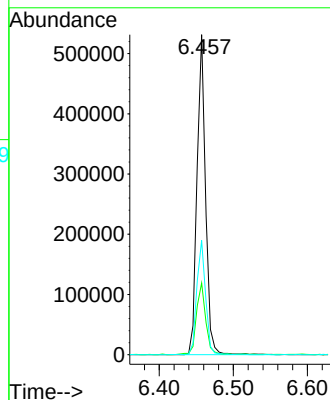
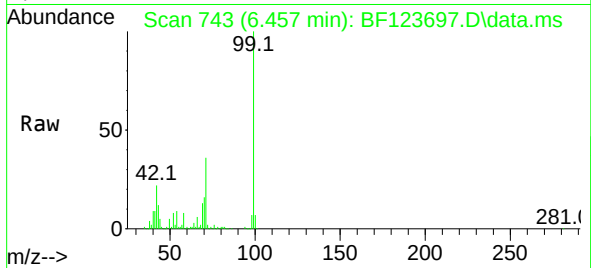




#7
Phenol-d6
Concen: 21.91 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

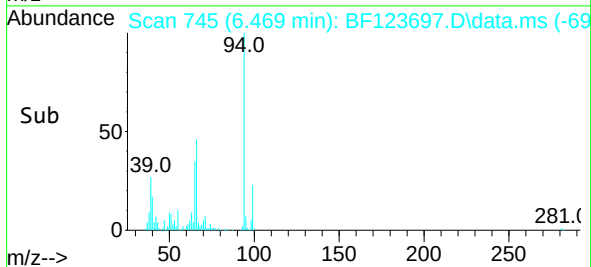
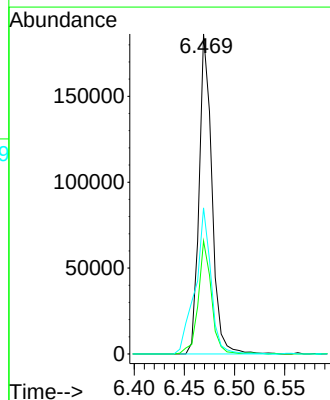
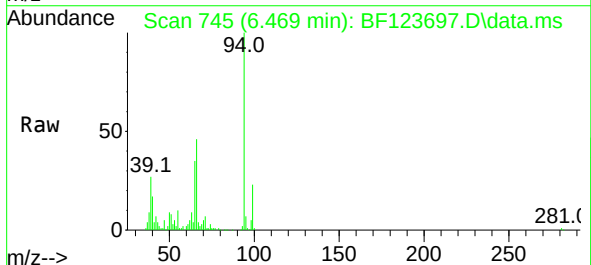
Instrument :
BNA_F
ClientSampleId :
TWP-20

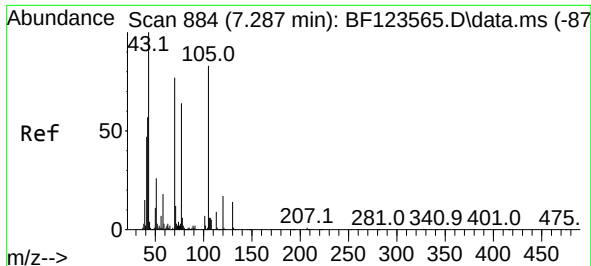
Tgt Ion: 99 Resp: 424123
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.8
71 35.7 31.1 46.7



#10
Phenol
Concen: 8.06 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.023 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

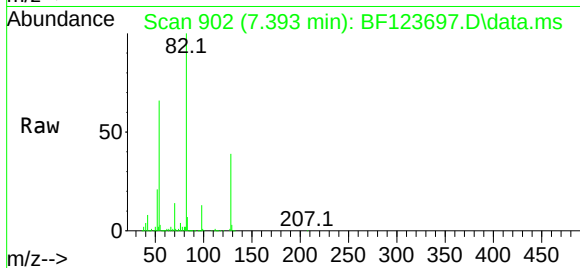
Tgt Ion: 94 Resp: 165581
Ion Ratio Lower Upper
94 100
65 35.3 18.1 58.1
66 45.7 29.0 69.0



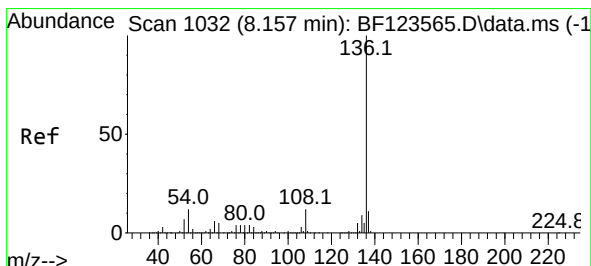
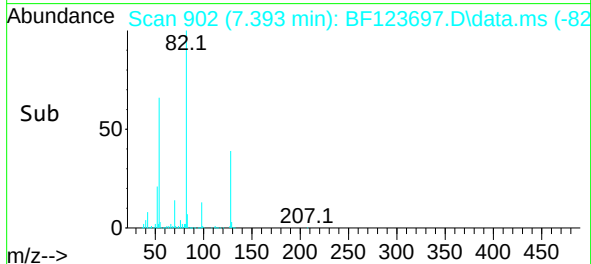
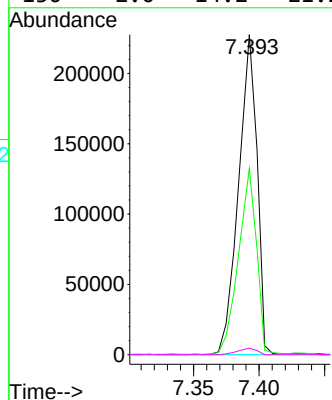


#19
n-Nitroso-di-n-propylamine
Concen: 17.43 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.135 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Instrument :
BNA_F
ClientSampleId :
TWP-20

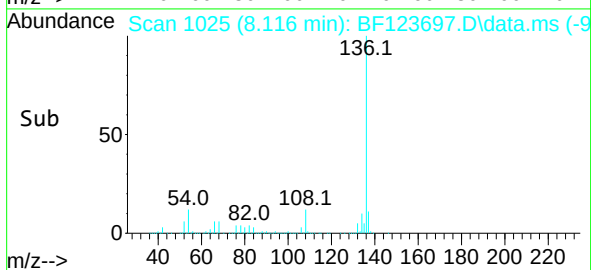
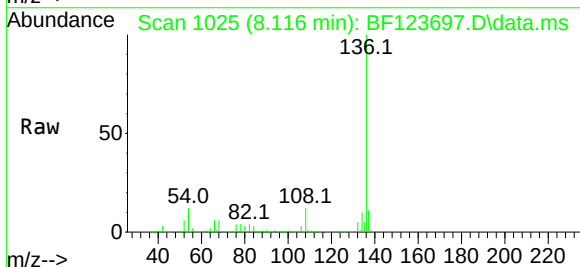
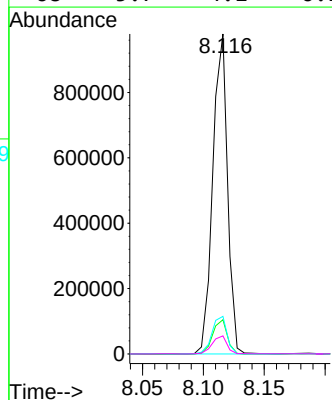


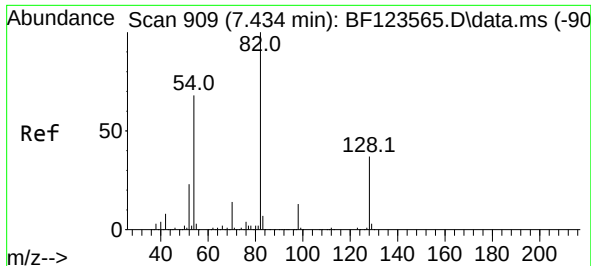
Tgt Ion: 70 Resp: 223473
Ion Ratio Lower Upper
70 100
42 58.2 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion: 136 Resp: 826239
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 11.7 9.8 14.6
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 91.55 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF123697.D

Acq: 23 Apr 2021 17:14

Tgt Ion: 82 Resp: 1645488

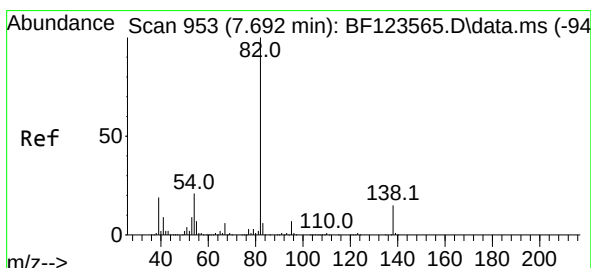
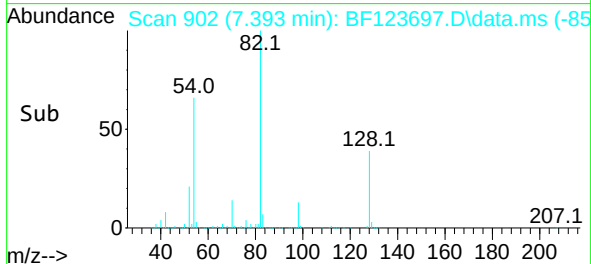
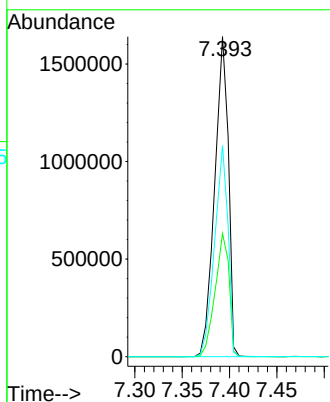
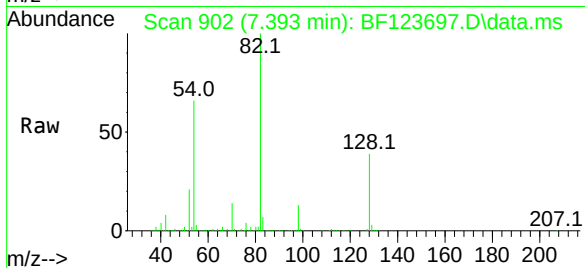
Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.4	44.2
54	66.0	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

TWP-20



#25

Isophorone

Concen: 47.12 ng

RT: 7.393 min Scan# 902

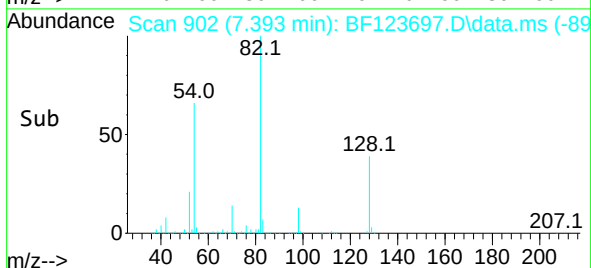
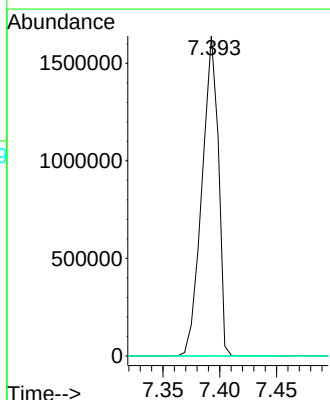
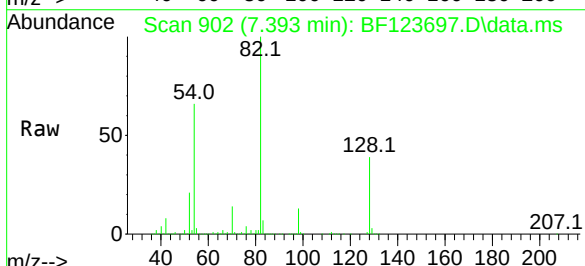
Delta R.T. -0.270 min

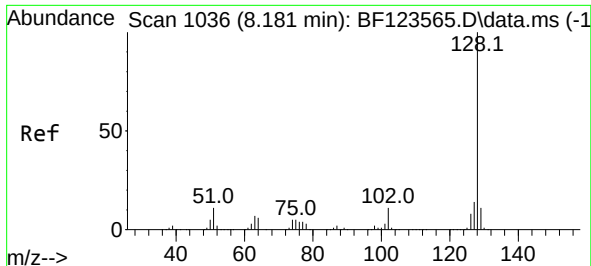
Lab File: BF123697.D

Acq: 23 Apr 2021 17:14

Tgt Ion: 82 Resp: 1642938

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

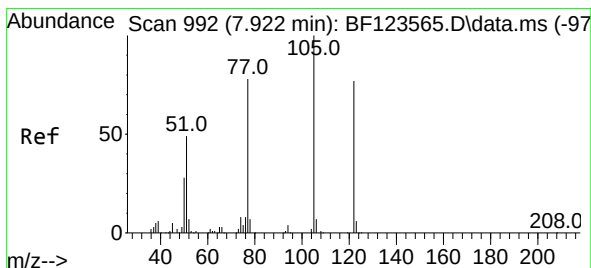
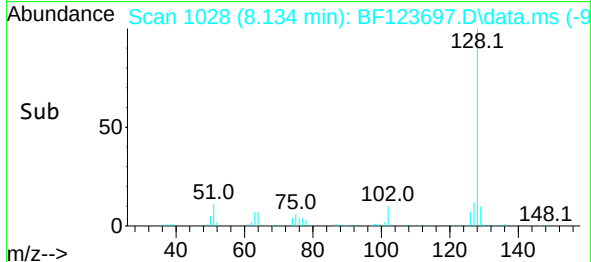
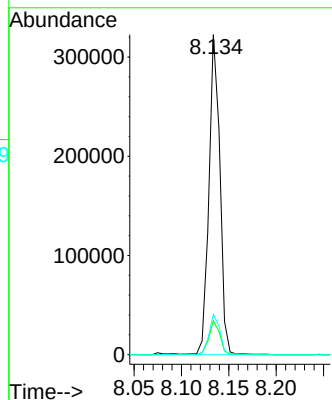
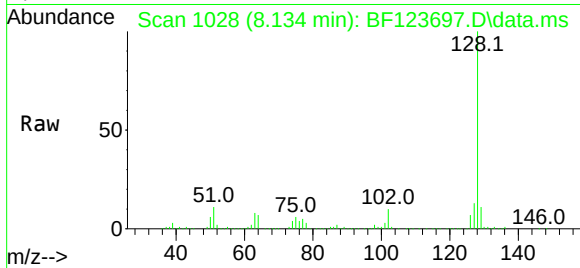




#31
Naphthalene
Concen: 6.06 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

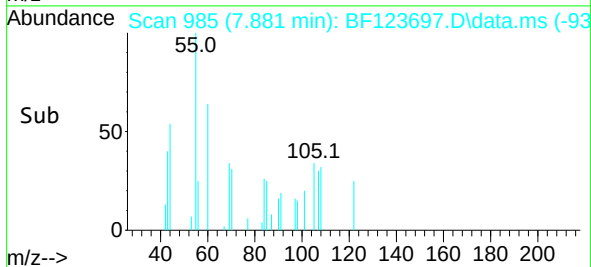
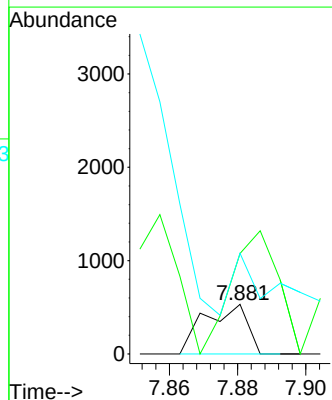
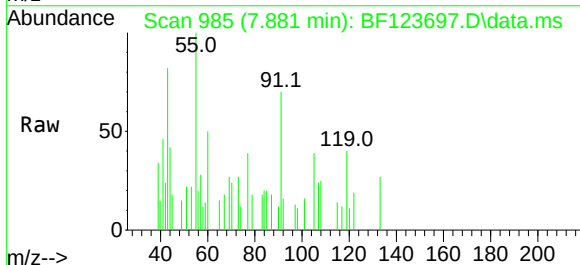
Instrument :
BNA_F
ClientSampled :
TWP-20

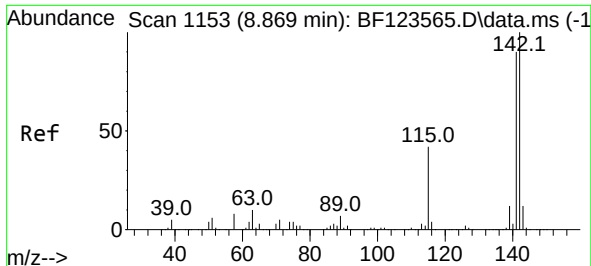
Tgt Ion:128 Resp: 257923
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.6 10.8 16.2



#32
Benzoic acid
Concen: 4.60 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:122 Resp: 464
Ion Ratio Lower Upper
122 100
105 202.8 107.8 147.8#
77 203.0 81.6 121.6#

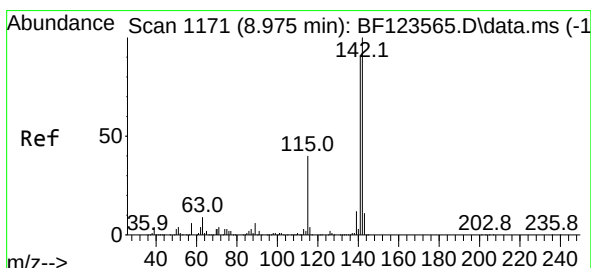
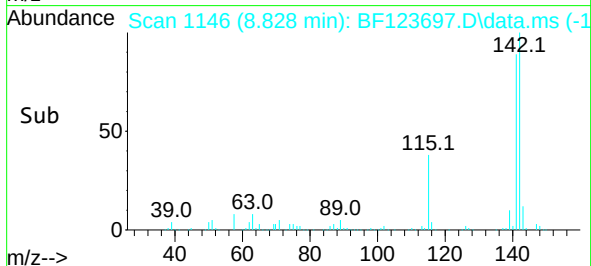
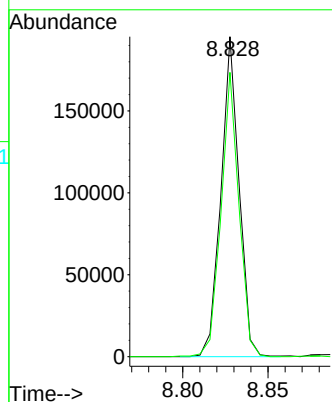
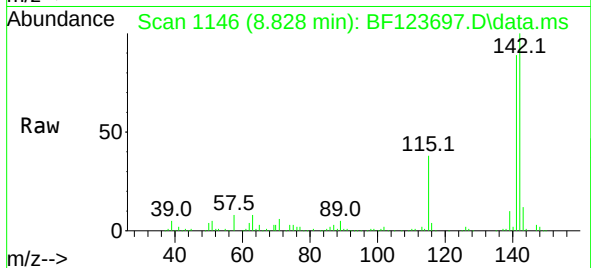




#37
2-Methylnaphthalene
Concen: 5.18 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

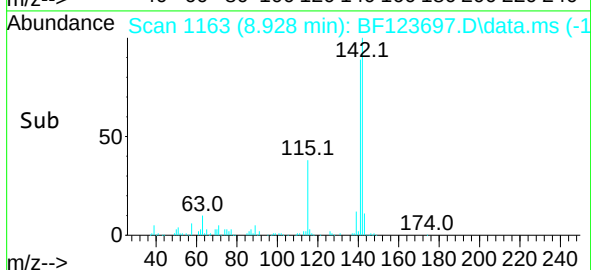
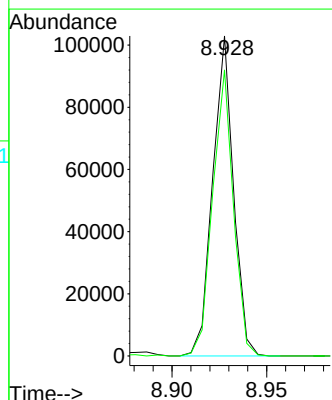
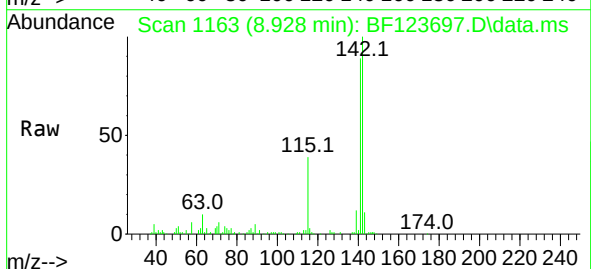
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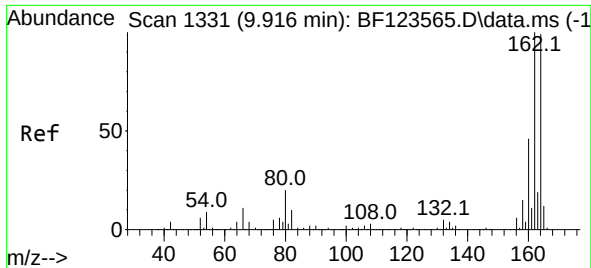
Tgt Ion:142 Resp: 144474
Ion Ratio Lower Upper
142 100
141 88.8 71.8 107.6



#38
1-Methylnaphthalene
Concen: 2.98 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:142 Resp: 78725
Ion Ratio Lower Upper
142 100
141 89.4 72.8 109.2

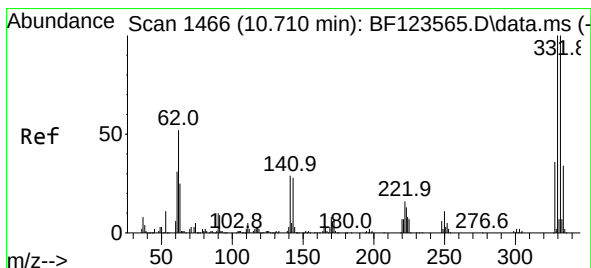
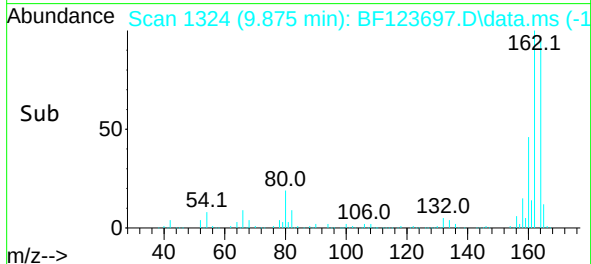
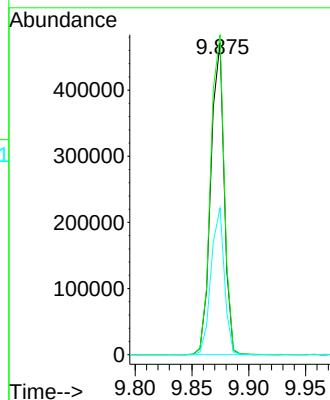
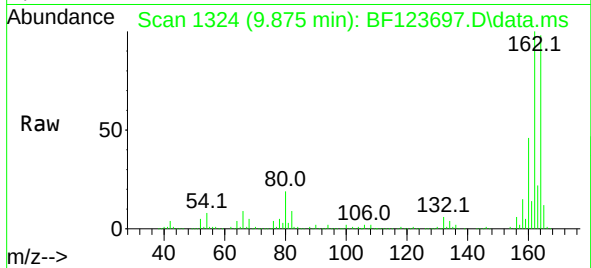




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

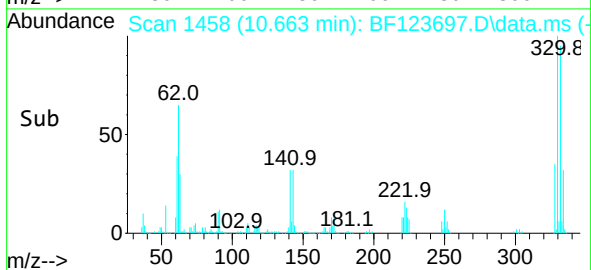
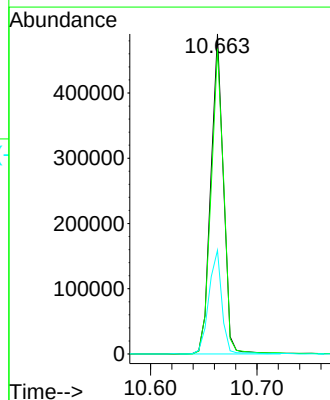
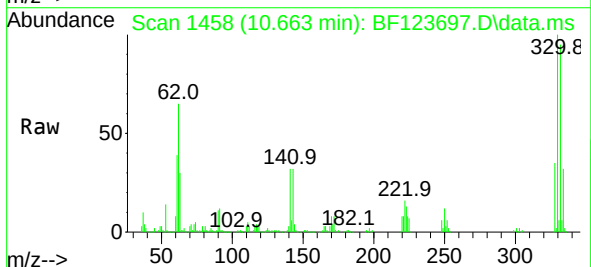
Instrument :
BNA_F
ClientSampled :
TWP-20

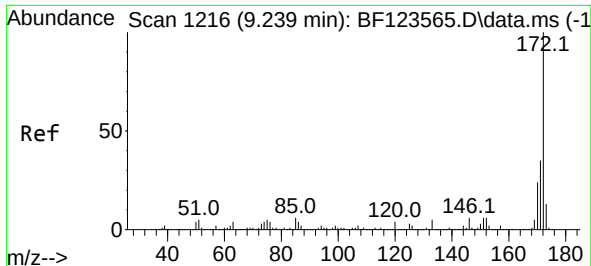
Tgt Ion:164 Resp: 385411
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 47.0 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 92.19 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:330 Resp: 402359
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 33.6 27.9 41.9

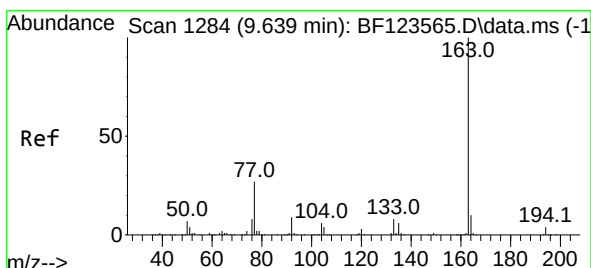
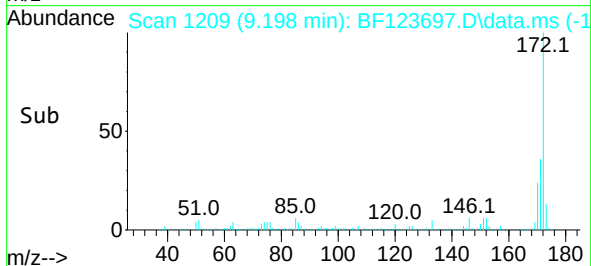
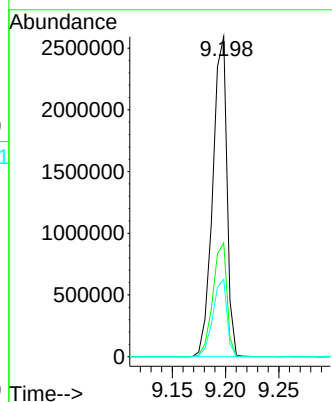
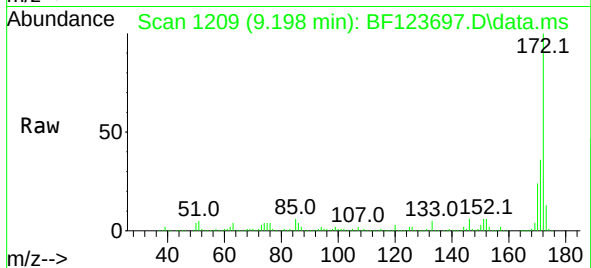




#45
2-Fluorobiphenyl
Concen: 93.26 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

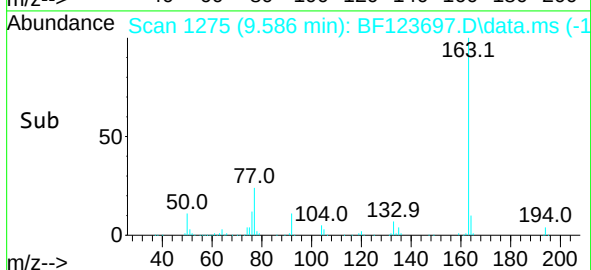
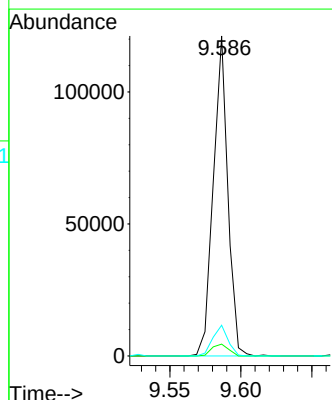
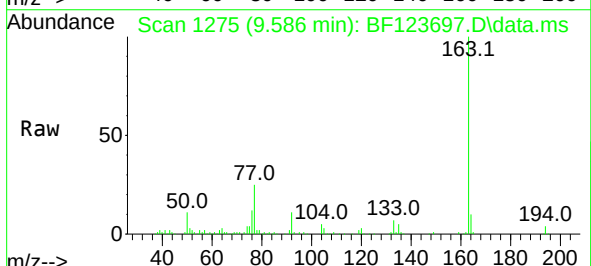
Instrument :
BNA_F
ClientSampleId :
TWP-20

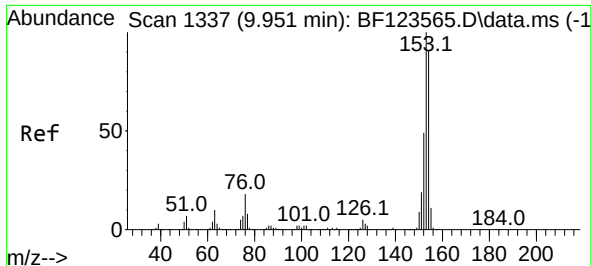
Tgt Ion:172 Resp: 2411175
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 24.2 19.2 28.8



#50
Dimethylphthalate
Concen: 3.23 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.023 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:163 Resp: 85973
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.6 8.2 12.2

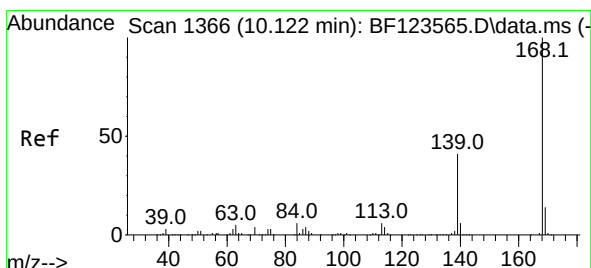
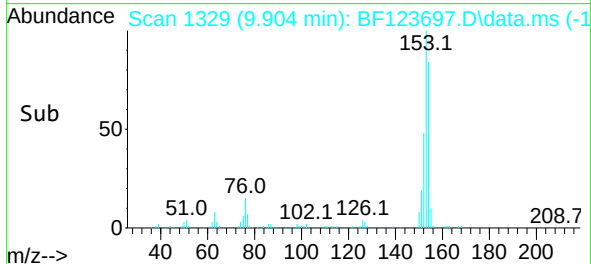
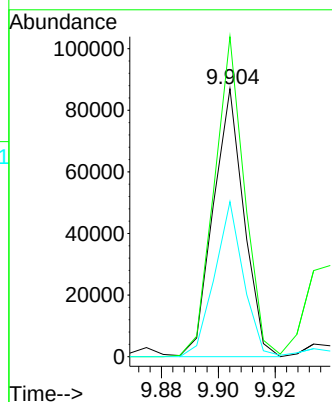
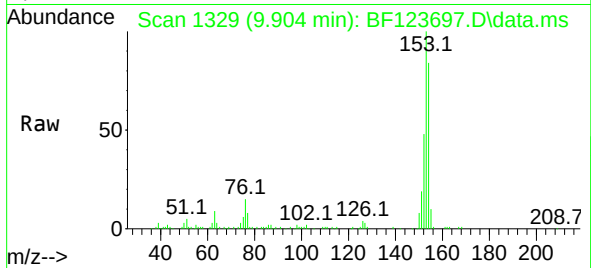




#52
Acenaphthene
Concen: 2.73 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

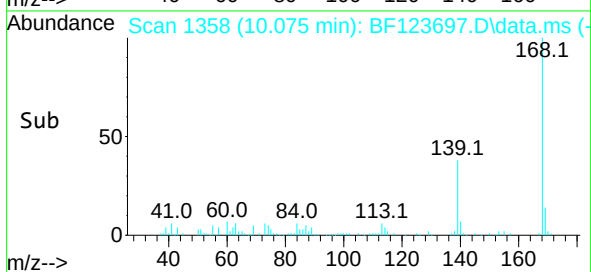
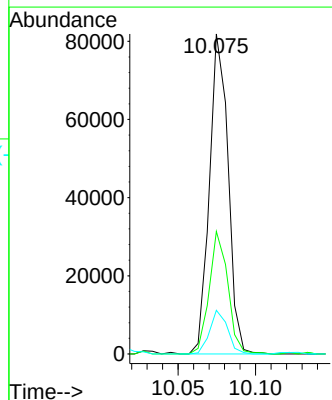
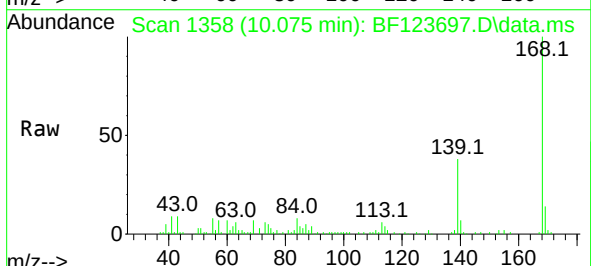
Instrument :
BNA_F
ClientSampleId :
TWP-20

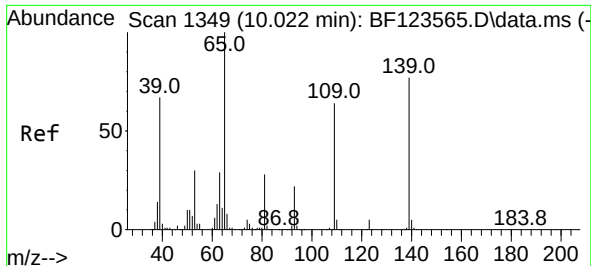
Tgt Ion:154 Resp: 65119
Ion Ratio Lower Upper
154 100
153 119.4 88.1 132.1
152 57.9 43.4 65.0



#55
Dibenzofuran
Concen: 2.01 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.017 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:168 Resp: 68581
Ion Ratio Lower Upper
168 100
139 38.3 33.2 49.8
169 13.6 10.8 16.2

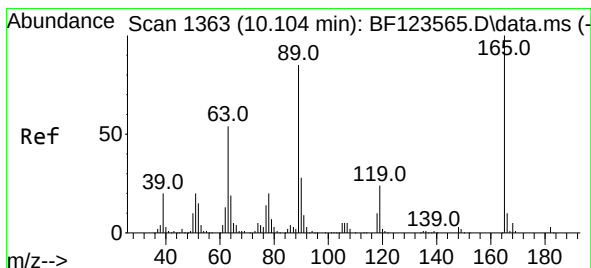
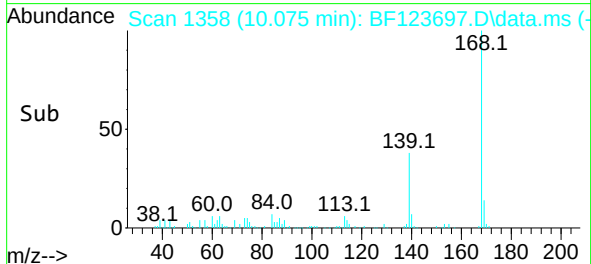
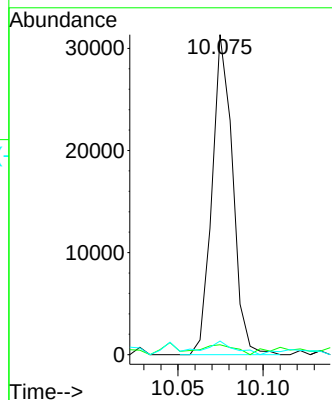
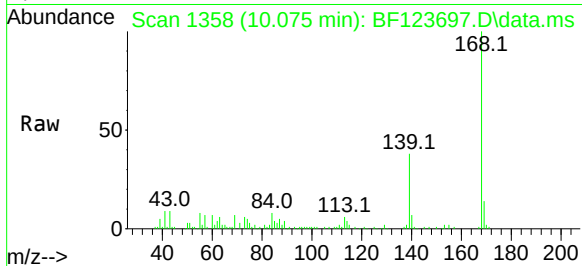




#56
4-Nitrophenol
Concen: 5.06 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.071 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

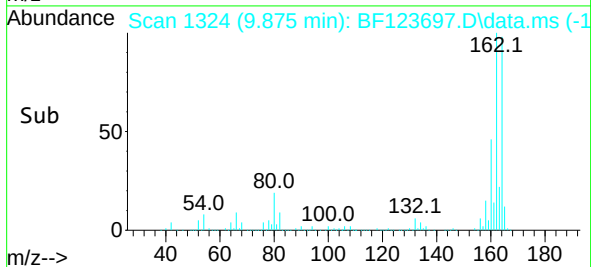
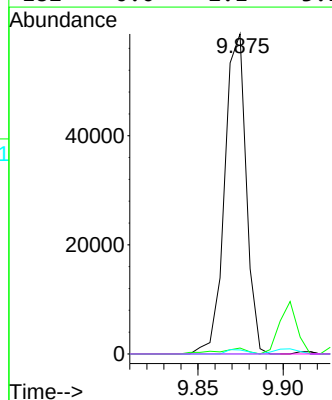
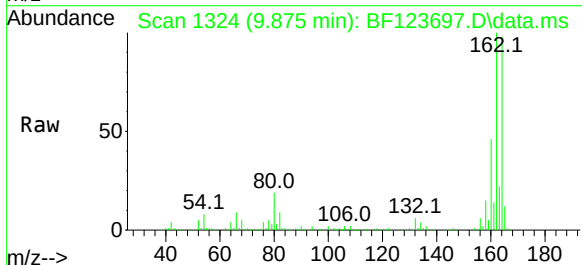
Instrument :
BNA_F
ClientSampleId :
TWP-20

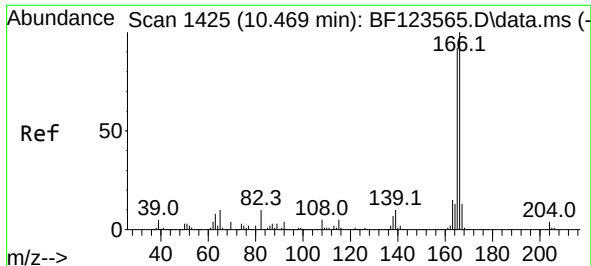
Tgt Ion:139 Resp: 26309
Ion Ratio Lower Upper
139 100
109 3.1 63.2 103.2#
65 4.3 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.59 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.200 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:165 Resp: 51483
Ion Ratio Lower Upper
165 100
63 1.9 43.5 65.3#
89 1.3 67.7 101.5#
182 0.0 2.1 3.1#

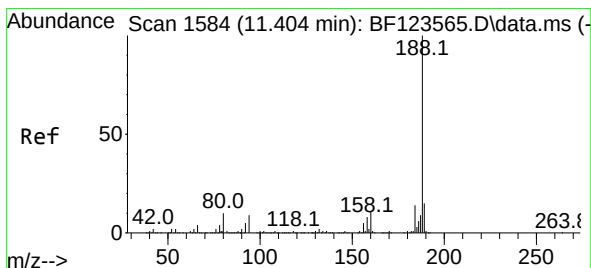
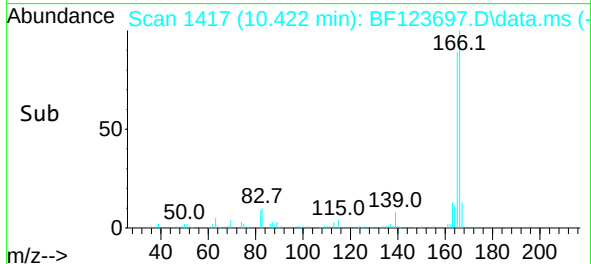
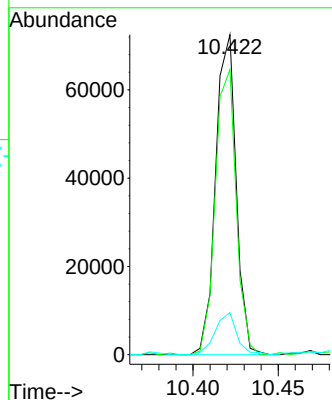
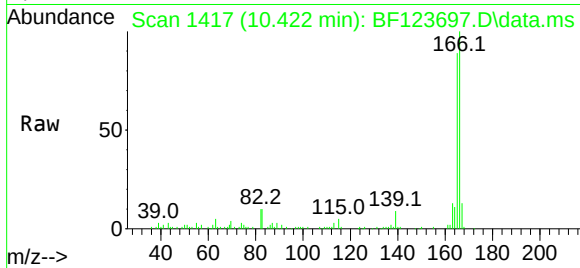




#58
Fluorene
Concen: 2.26 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

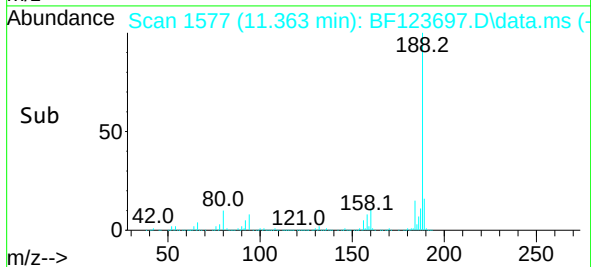
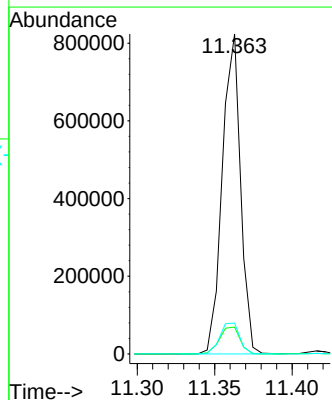
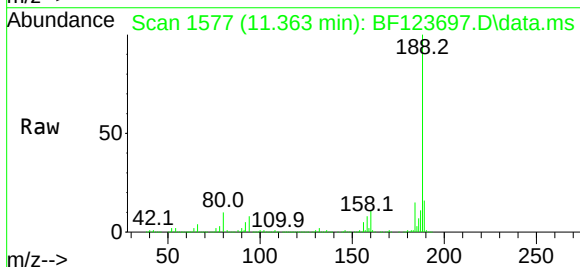
Instrument :
BNA_F
ClientSampleId :
TWP-20

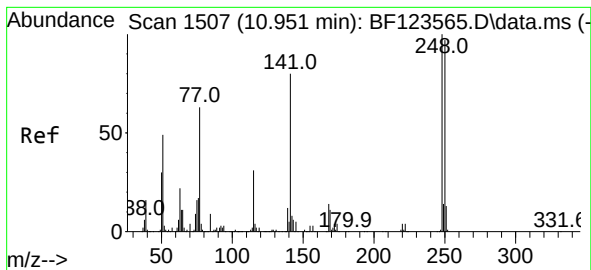
Tgt Ion:166 Resp: 60735
Ion Ratio Lower Upper
166 100
165 89.1 73.5 110.3
167 13.1 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:188 Resp: 673731
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.7 8.2 12.2

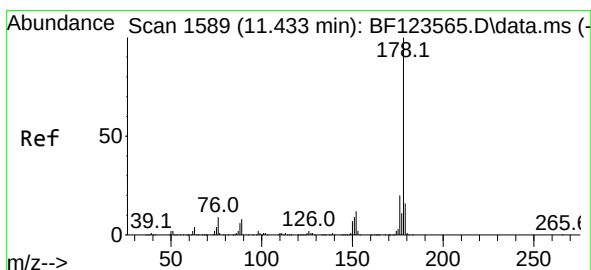
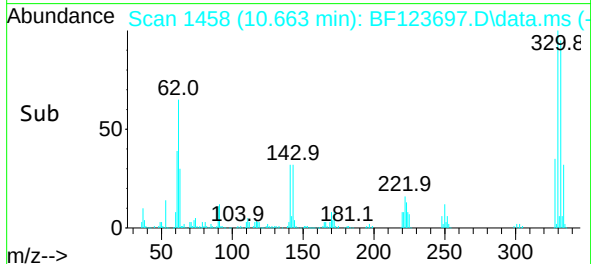
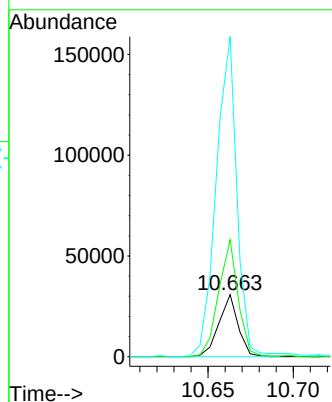
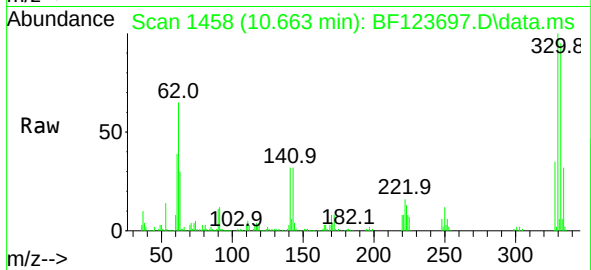




#67
4-Bromophenyl-phenylether
Concen: 3.44 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.253 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

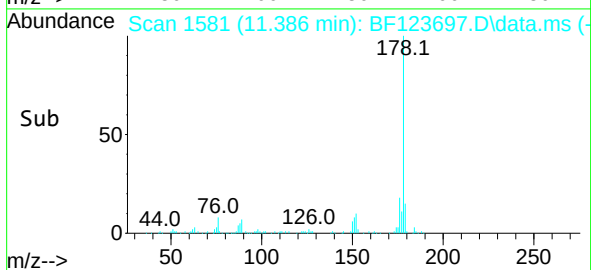
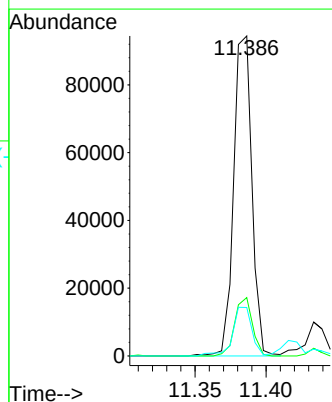
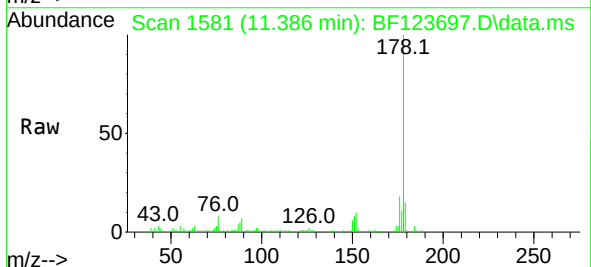
Instrument :
BNA_F
ClientSampleId :
TWP-20

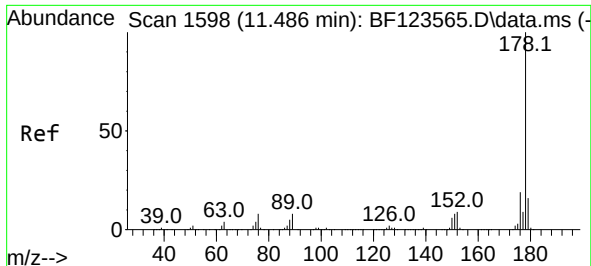
Tgt Ion:248 Resp: 24212
Ion Ratio Lower Upper
248 100
250 188.4 77.4 116.2#
141 515.6 63.7 95.5#



#71
Phenanthrene
Concen: 2.40 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:178 Resp: 84366
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.1 12.5 18.7

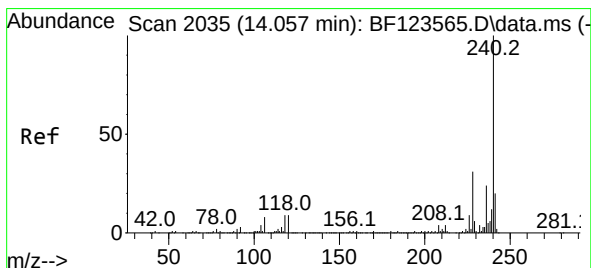
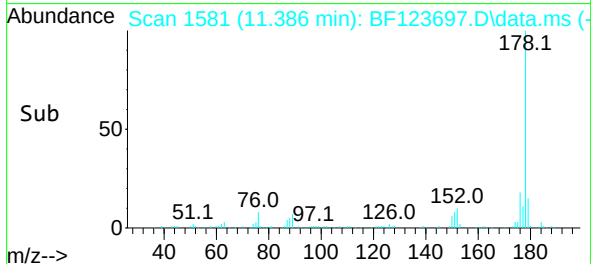
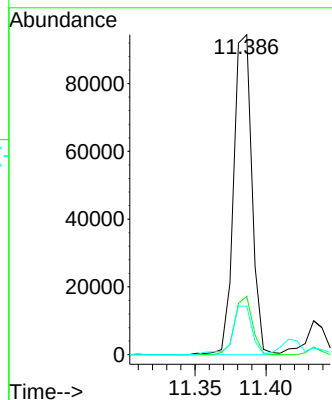
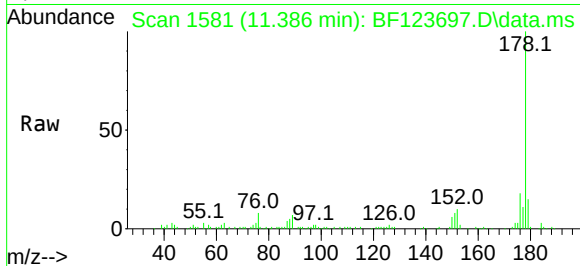




#72
 Anthracene
 Concen: 2.40 ng
 RT: 11.386 min Scan# 1581
 Delta R.T. -0.065 min
 Lab File: BF123697.D
 Acq: 23 Apr 2021 17:14

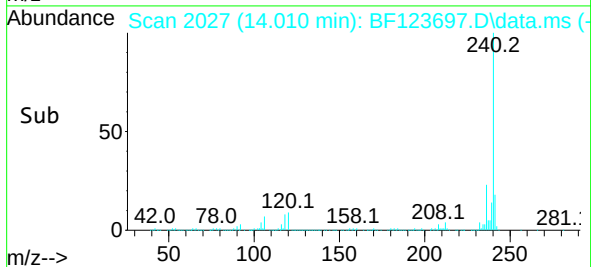
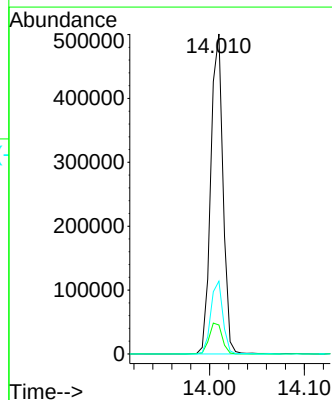
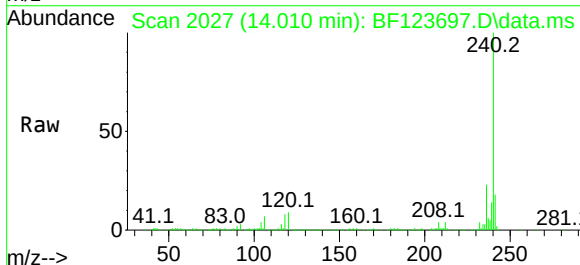
Instrument :
 BNA_F
 ClientSampleId :
 TWP-20

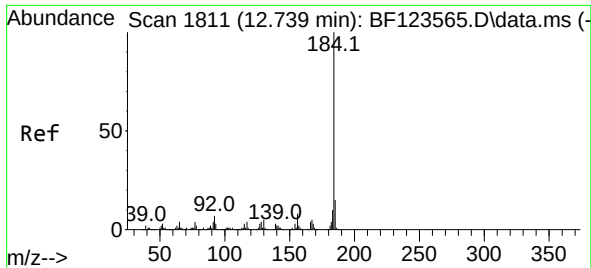
Tgt Ion:178 Resp: 84366
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.1 12.6 18.8



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. -0.012 min
 Lab File: BF123697.D
 Acq: 23 Apr 2021 17:14

Tgt Ion:240 Resp: 448256
 Ion Ratio Lower Upper
 240 100
 120 9.1 7.2 10.8
 236 22.8 19.0 28.4

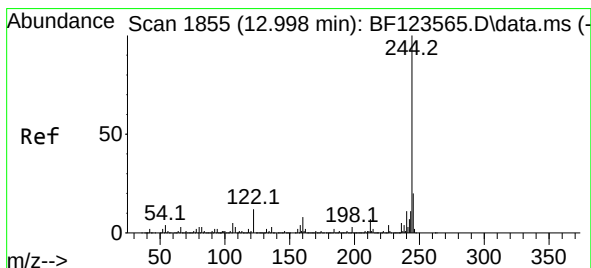
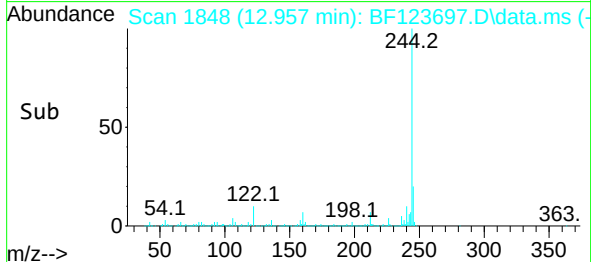
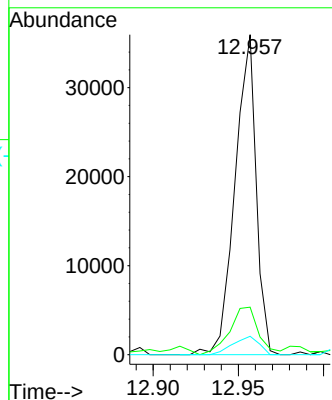
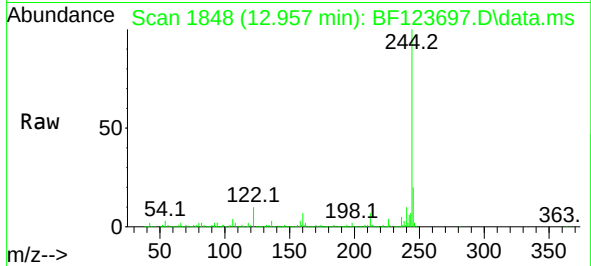




#77
Benzidine
Concen: 2.54 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.247 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

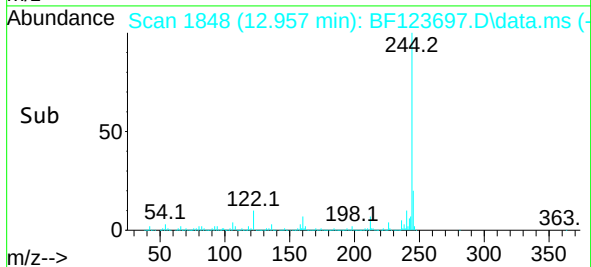
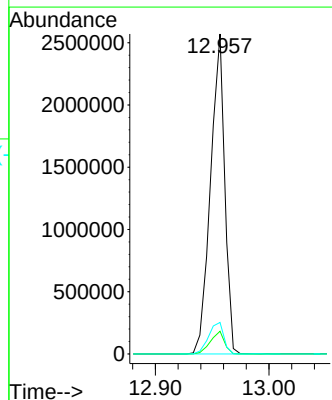
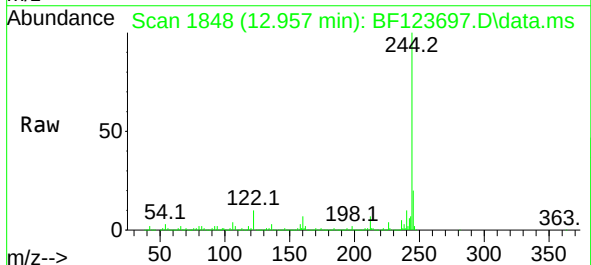
Instrument :
BNA_F
ClientSampled :
TWP-20

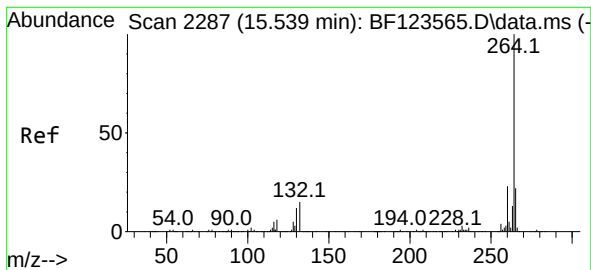
Tgt Ion:184 Resp: 30908
Ion Ratio Lower Upper
184 100
185 14.9 12.1 18.1
183 5.8 7.8 11.8#



#79
Terphenyl-d14
Concen: 96.53 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF123697.D
Acq: 23 Apr 2021 17:14

Tgt Ion:244 Resp: 2226326
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 9.9 9.7 14.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.012 min
 Lab File: BF123697.D
 Acq: 23 Apr 2021 17:14

Instrument :
 BNA_F
 ClientSampleId :
 TWP-20

Tgt Ion:264 Resp: 440289
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 21.7 17.8 26.8

