

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123838.D
 Acq On : 5 May 2021 20:46
 Operator : JU/CG
 Sample : M2265-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124055

Quant Time: May 06 00:51:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 05 13:09:28 2021
 Response via : Initial Calibration

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

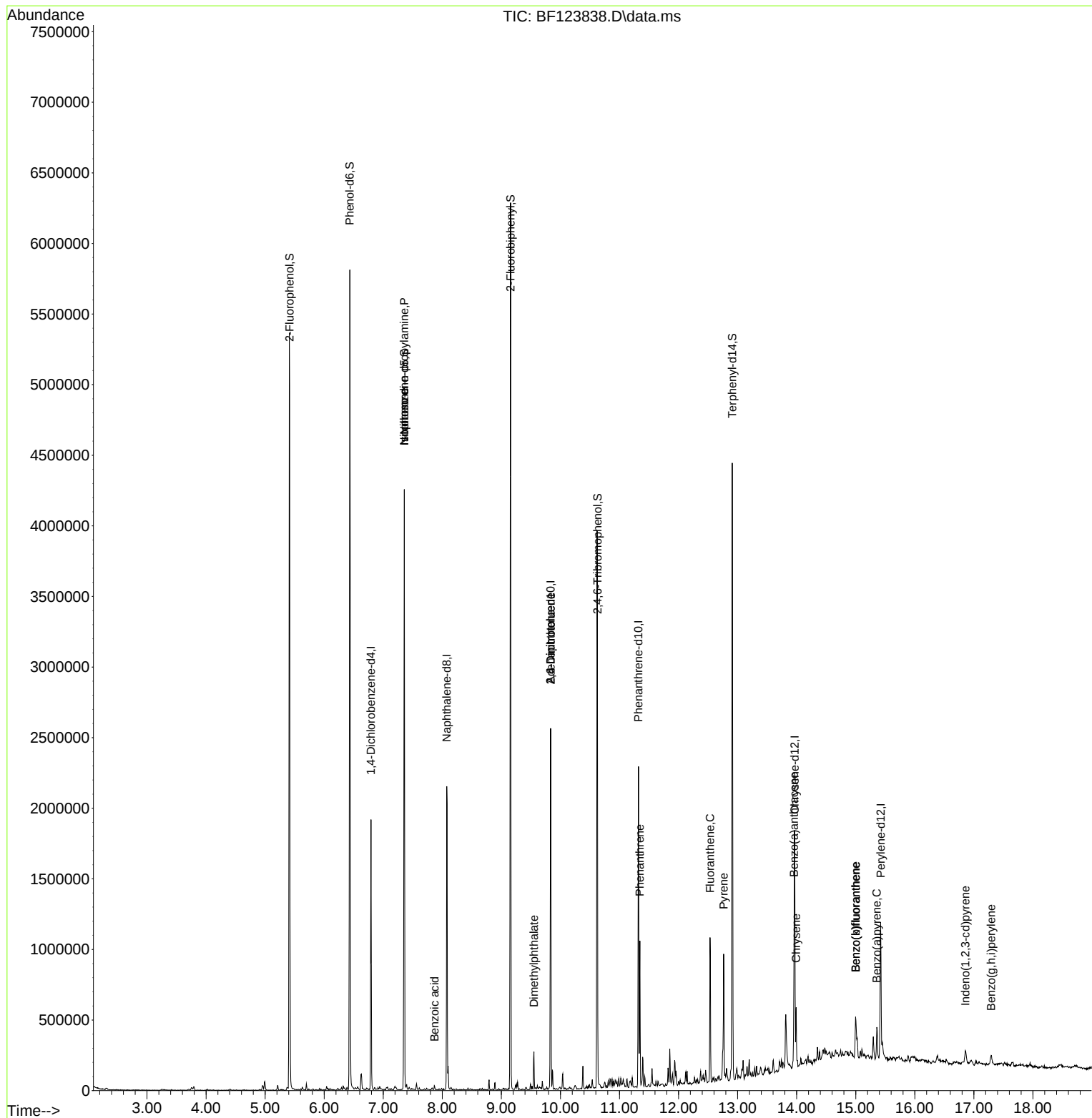
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	231892	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	882254	20.00	ng	# 0.00
39) Acenaphthene-d10	9.833	164	439928	20.00	ng	0.00
64) Phenanthrene-d10	11.322	188	751946	20.00	ng	0.00
76) Chrysene-d12	13.969	240	521358	20.00	ng	0.00
86) Perylene-d12	15.421	264	434898	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1293354	88.36	ng	0.00
7) Phenol-d6	6.434	99	1691914	83.91	ng	0.00
23) Nitrobenzene-d5	7.357	82	1150899	58.89	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	440161	80.37	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1654393	54.77	ng	0.00
79) Terphenyl-d14	12.910	244	1366897	50.49	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	157758	12.67	ng	# 72
25) Isophorone	7.357	82	1150886	31.41	ng	# 69
32) Benzoic acid	7.869	122	1363	5.52	ng	# 23
50) Dimethylphthalate	9.551	163	90541	2.92	ng	99
51) 2,6-Dinitrotoluene	9.833	165	56004	7.82	ng	# 12
57) 2,4-Dinitrotoluene	9.833	165	56004	5.73	ng	# 17
71) Phenanthrene	11.345	178	326905	8.29	ng	99
75) Fluoranthene	12.533	202	408548	9.50	ng	99
78) Pyrene	12.763	202	346534	8.56	ng	99
81) Benzo(a)anthracene	13.957	228	171354	5.42	ng	98
83) Chrysene	13.992	228	153693	4.84	ng	98
87) Indeno(1,2,3-cd)pyrene	16.857	276	58535	2.31	ng	97
88) Benzo(b)fluoranthene	14.998	252	211614	7.22	ng	# 90
89) Benzo(k)fluoranthene	14.998	252	211614	7.57	ng	# 91
90) Benzo(a)pyrene	15.357	252	107866	4.30	ng	# 92
92) Benzo(g,h,i)perylene	17.292	276	50985	2.38	ng	# 92

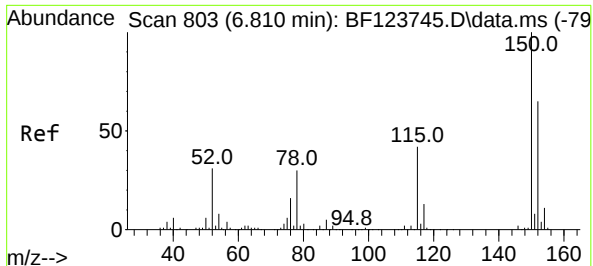
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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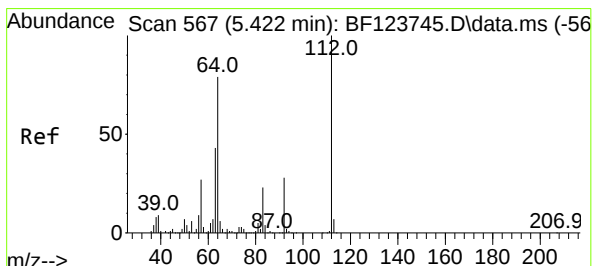
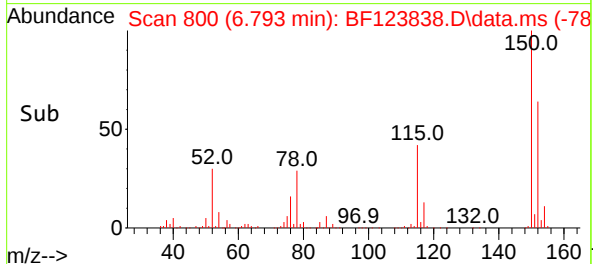
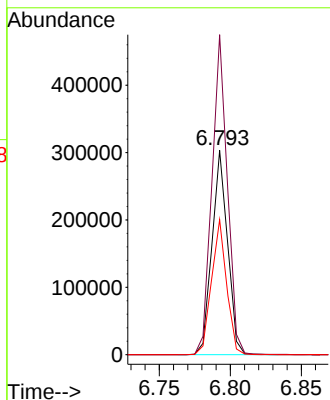
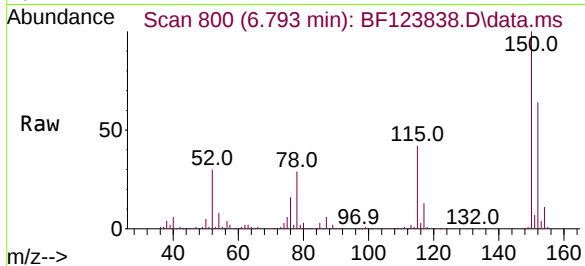




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

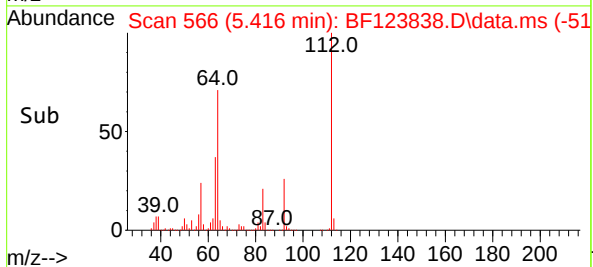
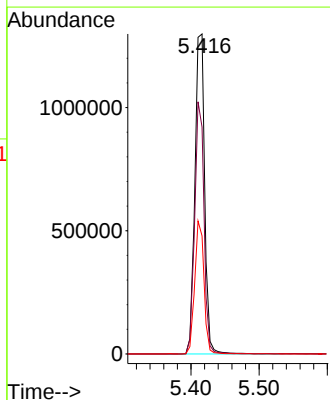
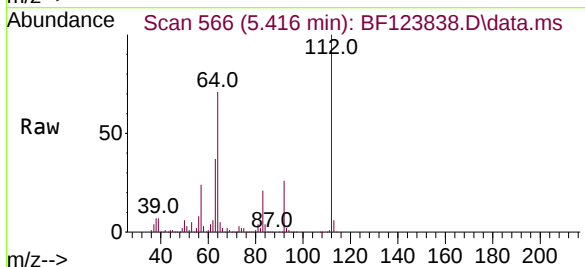
Instrument :
BNA_F
ClientSampleId :
124055

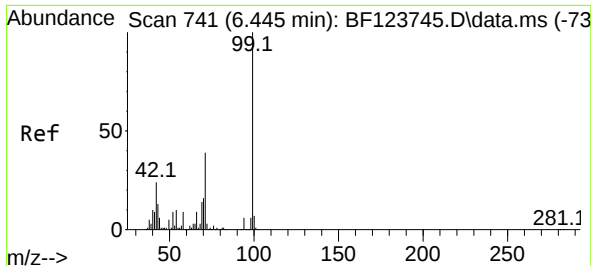
Tgt Ion:152 Resp: 231892
Ion Ratio Lower Upper
152 100
150 156.6 127.0 190.6
115 66.1 54.3 81.5



#5
2-Fluorophenol
Concen: 88.36 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:112 Resp: 1293354
Ion Ratio Lower Upper
112 100
64 70.9 61.4 92.0
63 36.9 33.0 49.4

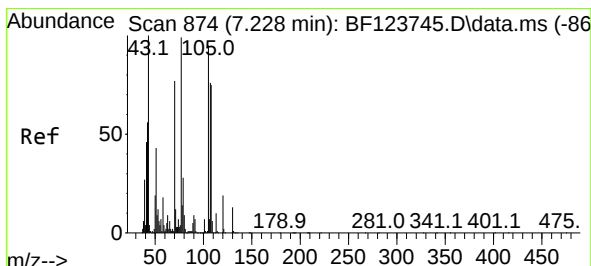
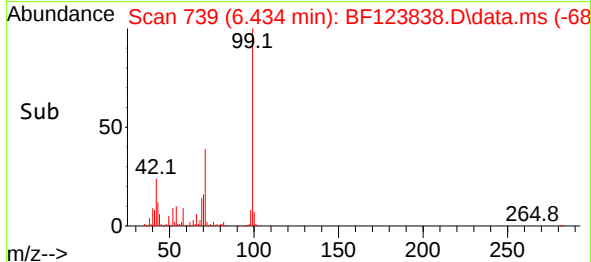
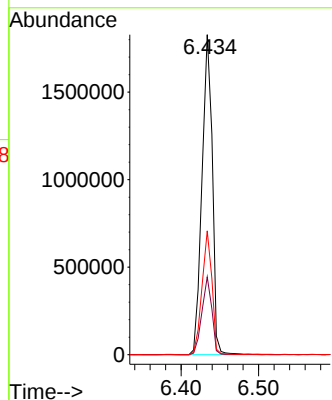
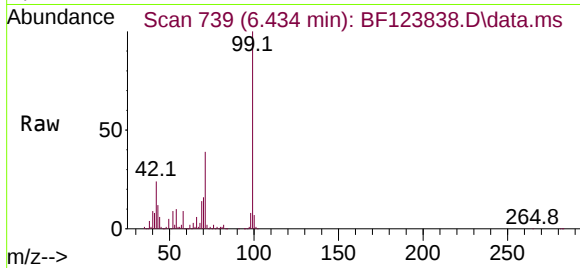




#7
Phenol-d6
Concen: 83.91 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

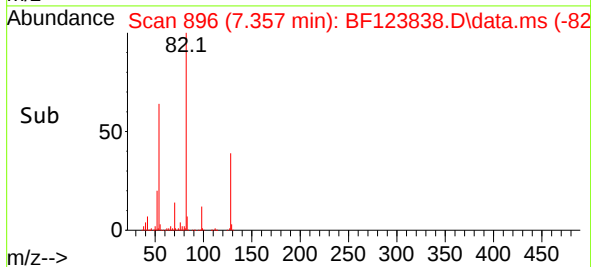
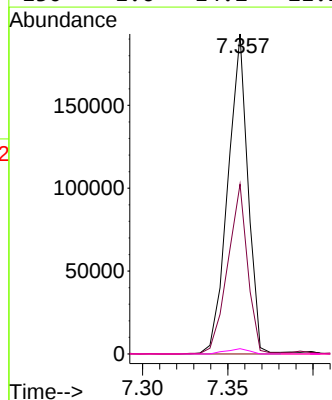
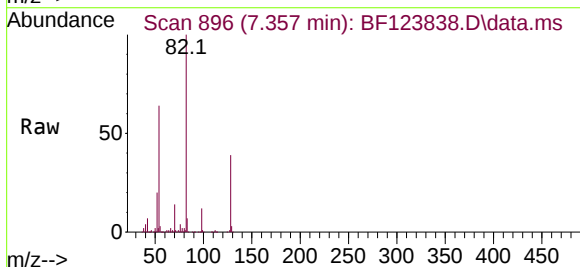
Instrument :
BNA_F
ClientSampleId :
124055

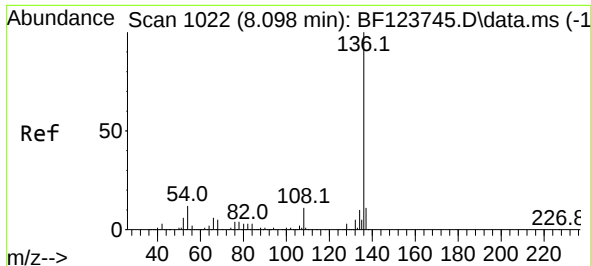
Tgt Ion: 99 Resp: 1691914
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.8
71 38.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.67 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion: 70 Resp: 157758
Ion Ratio Lower Upper
70 100
42 53.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#

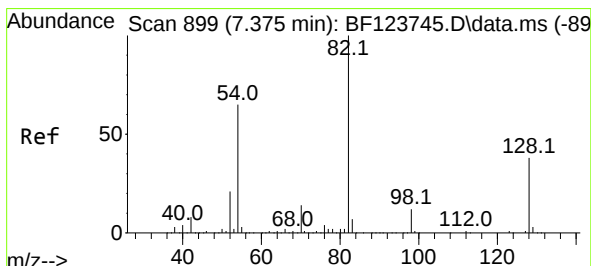
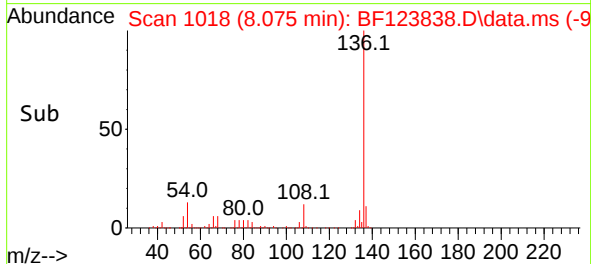
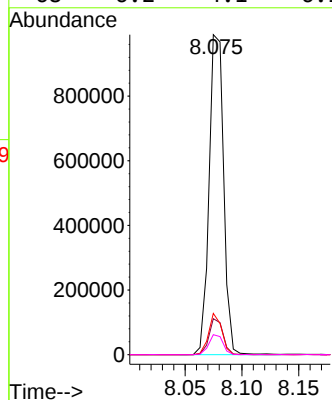
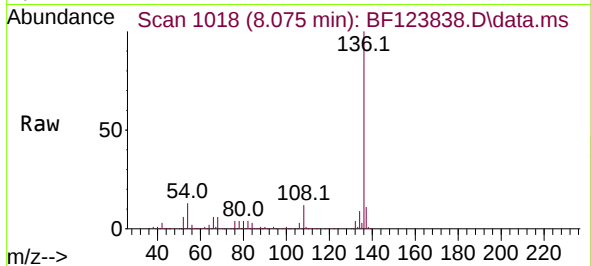




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

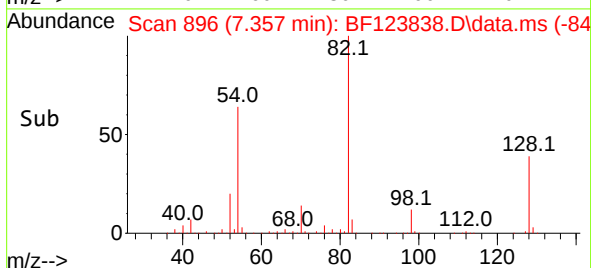
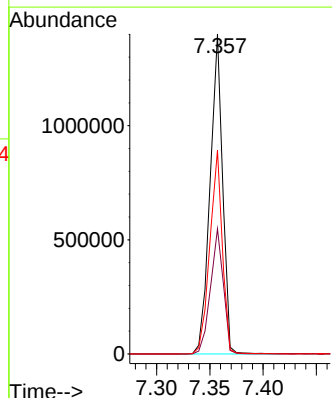
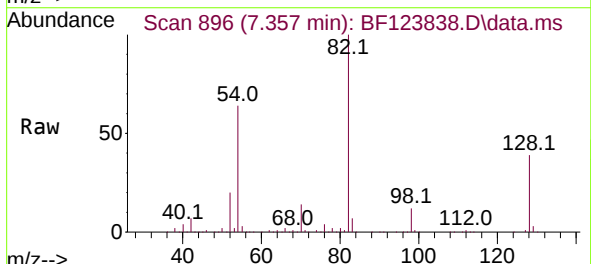
Instrument :
BNA_F
ClientSampleId :
124055

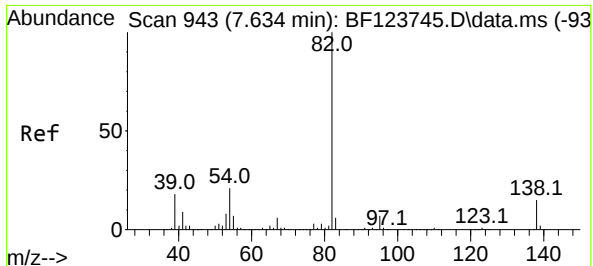
Tgt Ion:136 Resp: 882254
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 12.9 9.8 14.6
68 6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 58.89 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion: 82 Resp: 1150899
Ion Ratio Lower Upper
82 100
128 39.1 29.4 44.2
54 63.6 54.1 81.1

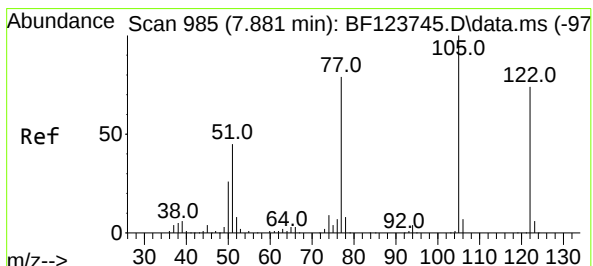
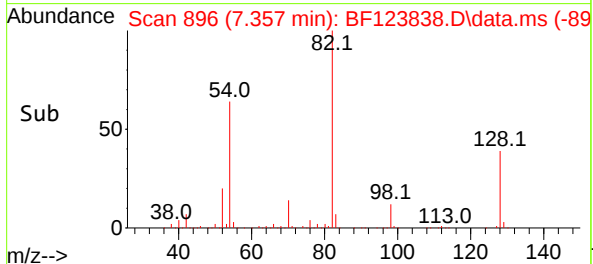
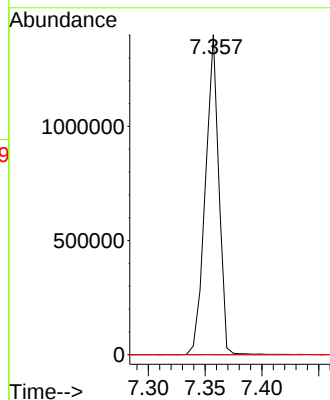
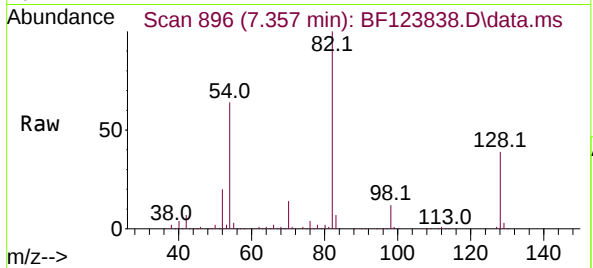




#25
Isophorone
Concen: 31.41 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

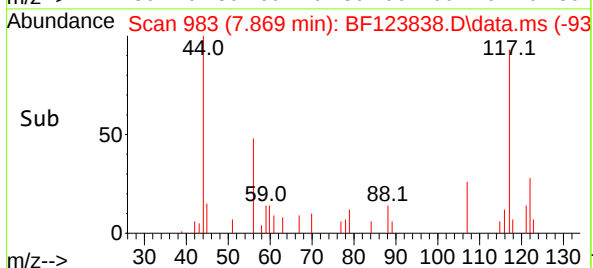
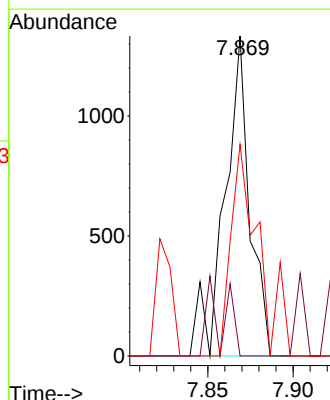
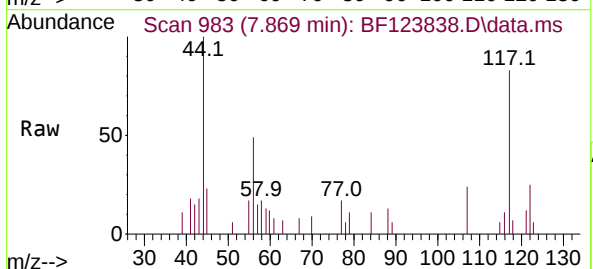
Instrument :
BNA_F
ClientSampleId :
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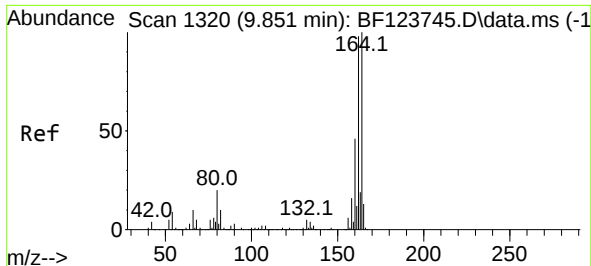
Tgt Ion: 82 Resp: 1150886
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.52 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:122 Resp: 1363
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 66.1 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF123838.D

Acq: 5 May 2021 20:46

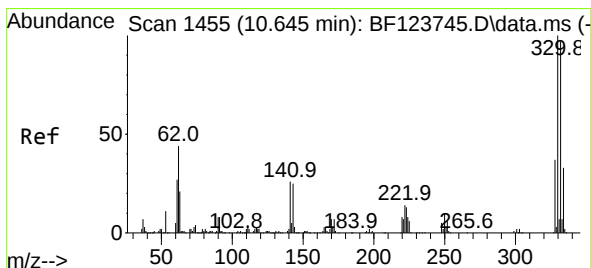
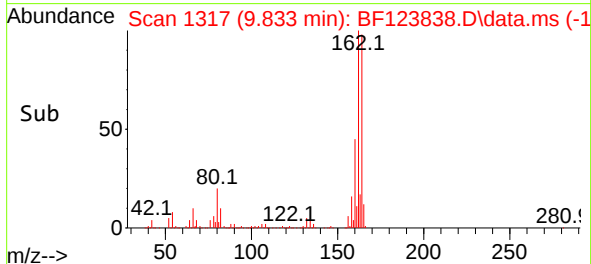
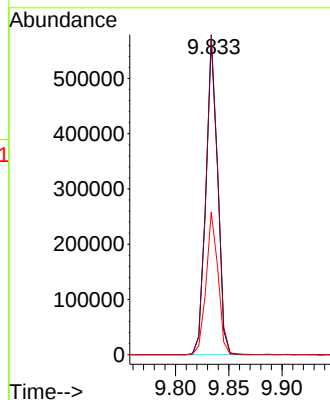
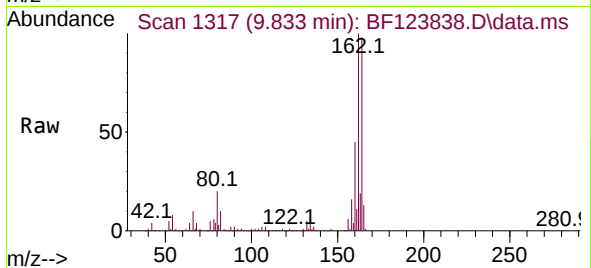
Tgt Ion:164 Resp: 439928

Ion Ratio Lower Upper

164 100

162 101.9 80.7 121.1

160 45.4 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 80.37 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF123838.D

Acq: 5 May 2021 20:46

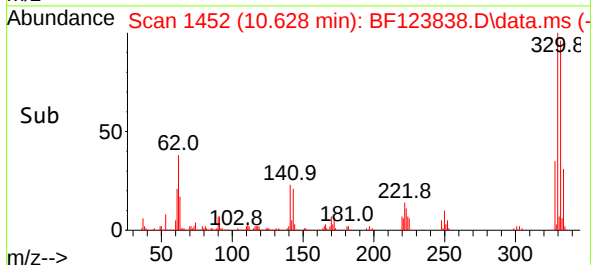
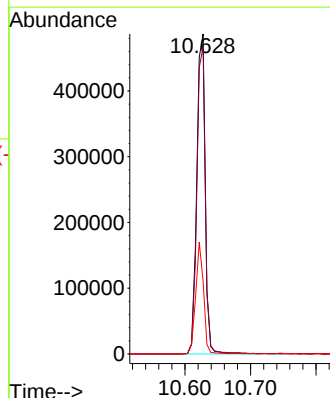
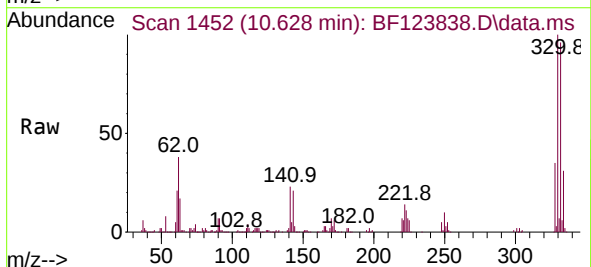
Tgt Ion:330 Resp: 440161

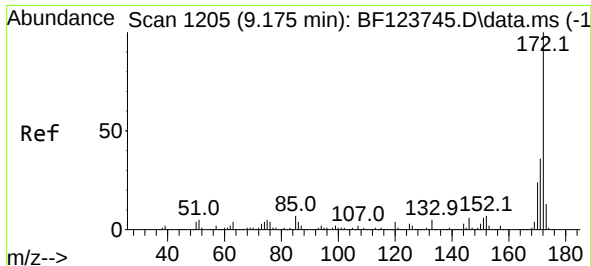
Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 32.6 27.9 41.9

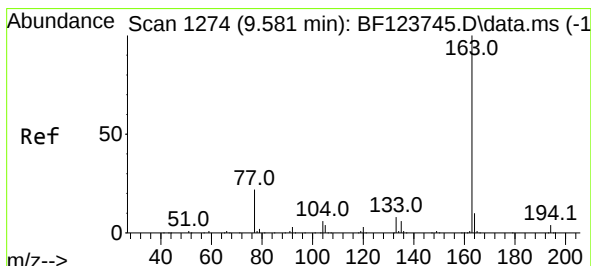
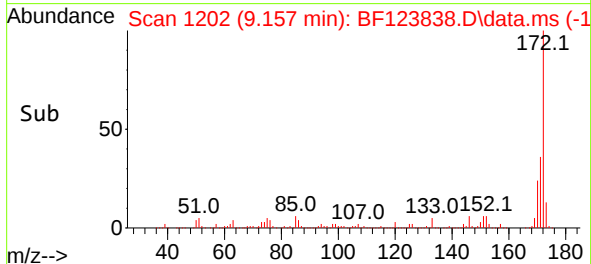
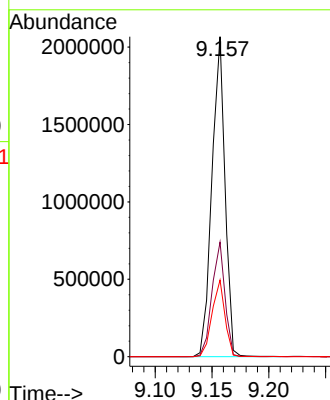
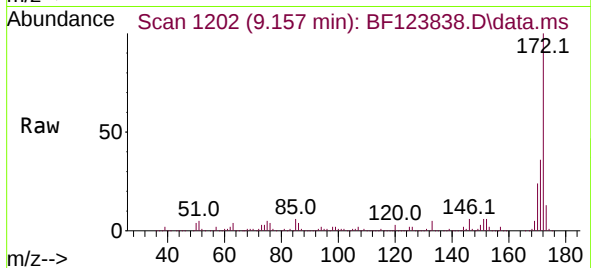




#45
2-Fluorobiphenyl
Concen: 54.77 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

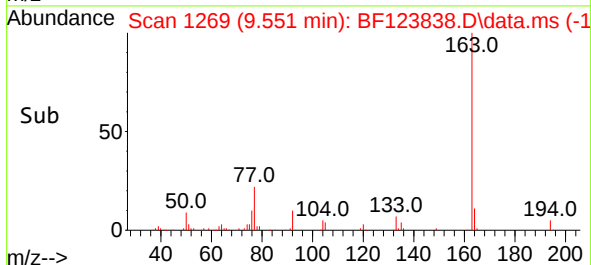
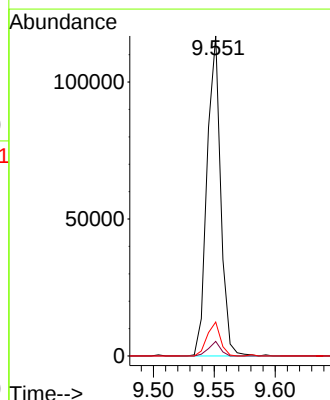
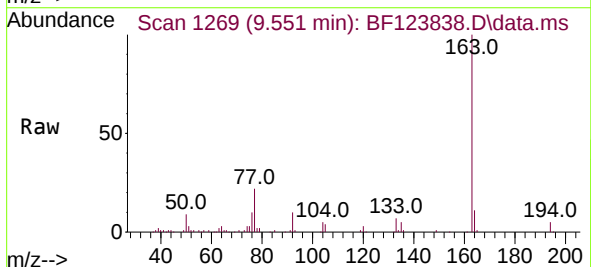
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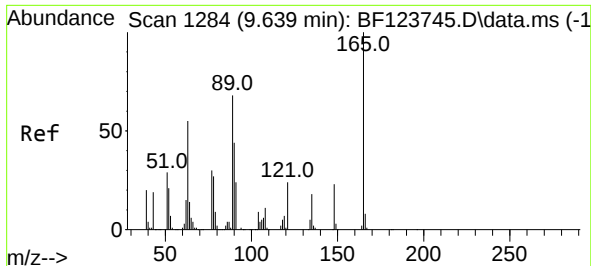
Tgt Ion:172 Resp: 1654393
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.9 19.2 28.8



#50
Dimethylphthalate
Concen: 2.92 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:163 Resp: 90541
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 10.6 8.2 12.2

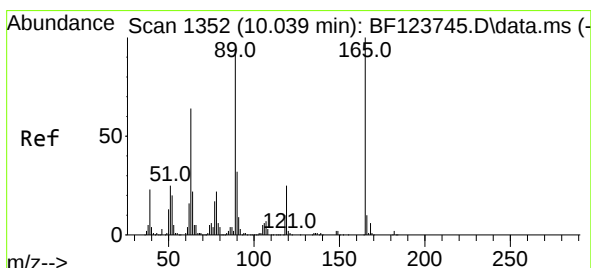
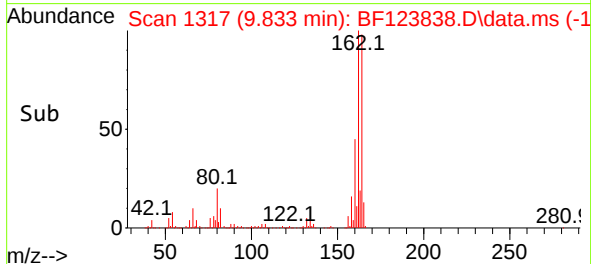
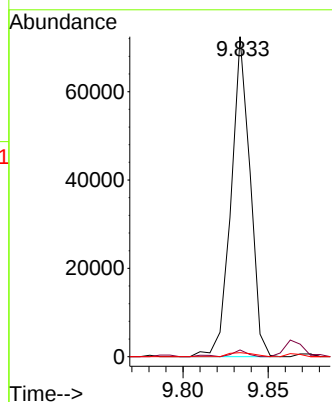
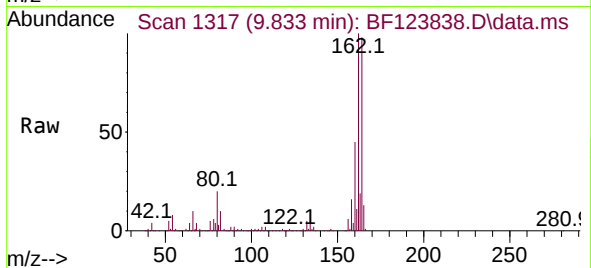




#51
2,6-Dinitrotoluene
Concen: 7.82 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

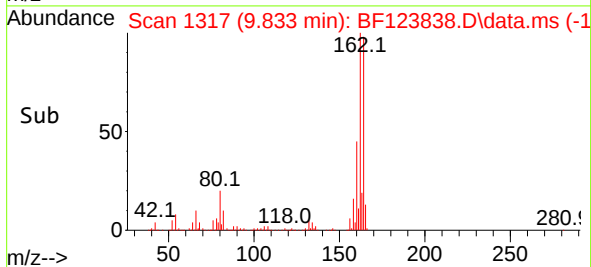
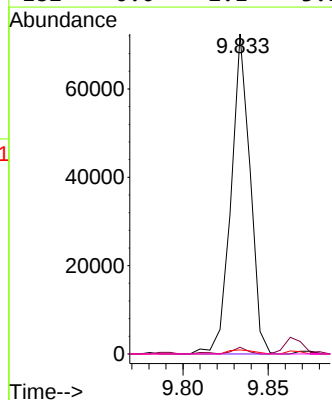
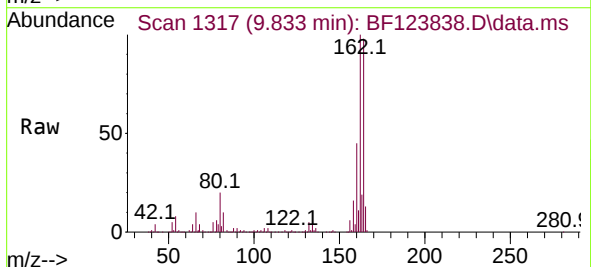
Instrument :
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ClientSampled :
124055

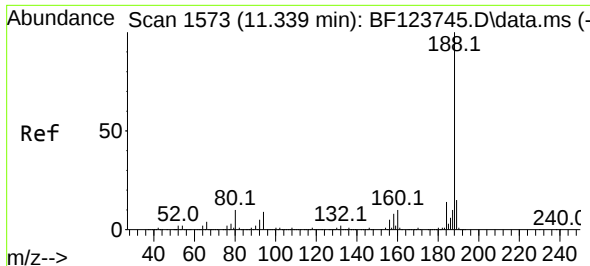
Tgt Ion:165 Resp: 56004
Ion Ratio Lower Upper
165 100
63 2.1 67.7 101.5#
89 1.3 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:165 Resp: 56004
Ion Ratio Lower Upper
165 100
63 2.1 43.5 65.3#
89 1.3 67.7 101.5#
182 0.0 2.1 3.1#

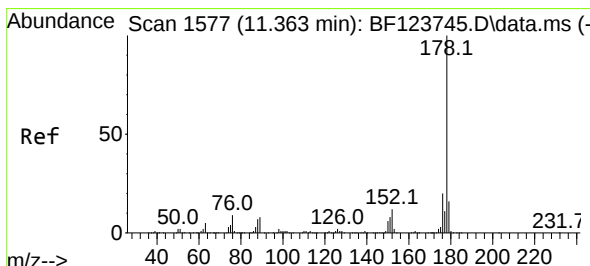
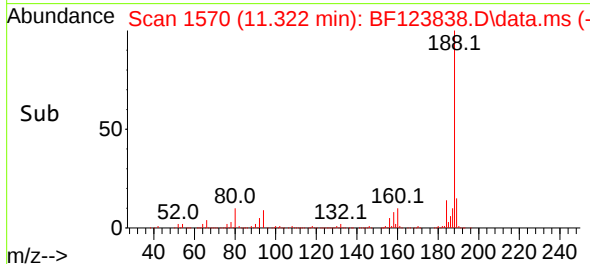
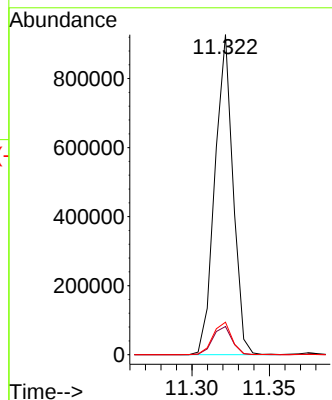
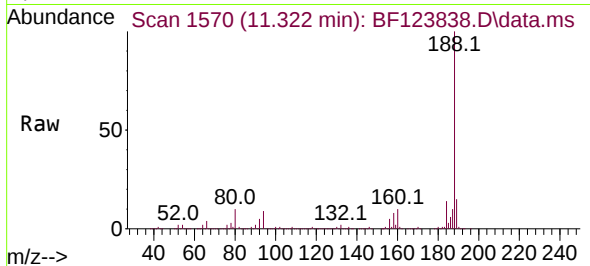




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

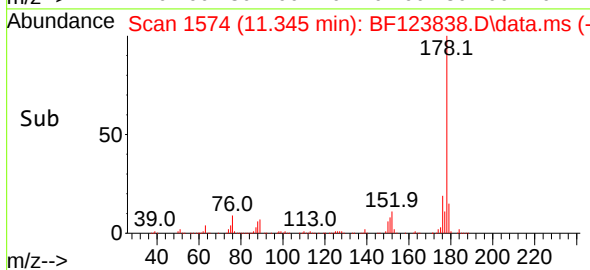
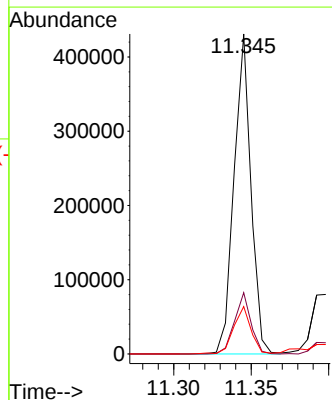
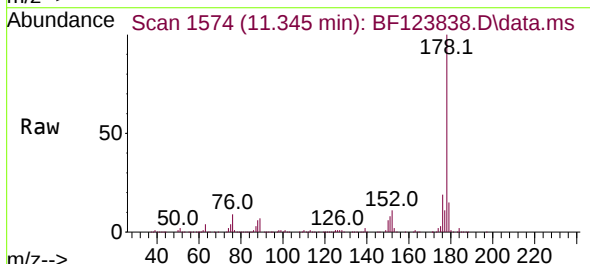
Instrument :
BNA_F
ClientSampleId :
124055

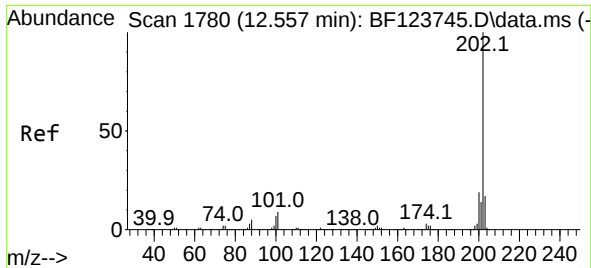
Tgt Ion:188 Resp: 751946
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.2 8.2 12.2



#71
Phenanthrene
Concen: 8.29 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:178 Resp: 326905
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.8 12.5 18.7

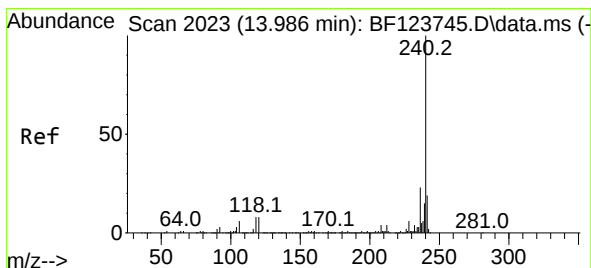
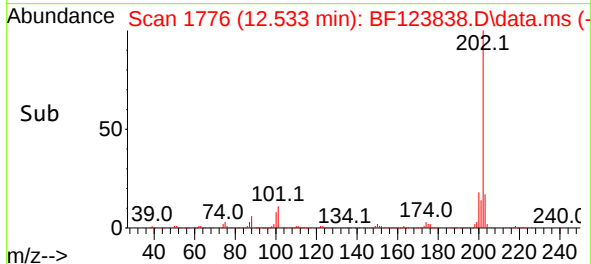
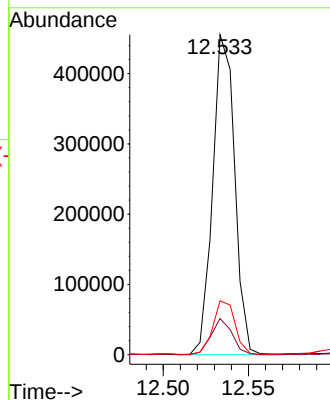
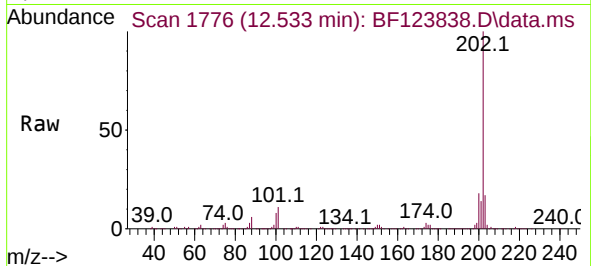




#75
Fluoranthene
Concen: 9.50 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

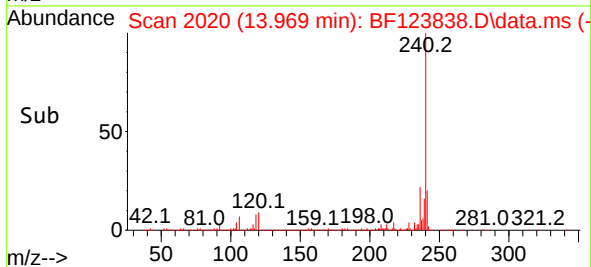
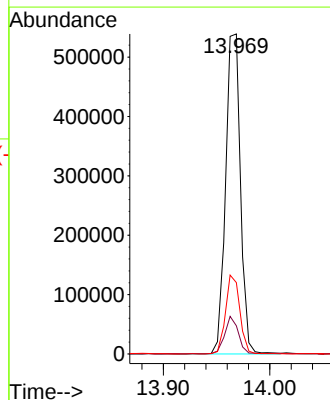
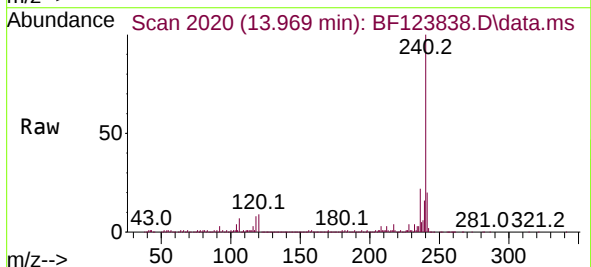
Instrument :
BNA_F
ClientSampleId :
124055

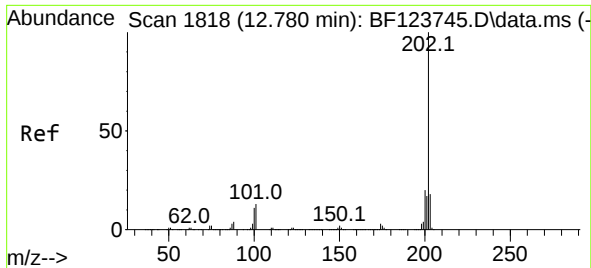
Tgt Ion:202 Resp: 408548
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.9
203 16.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:240 Resp: 521358
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 22.3 19.0 28.4

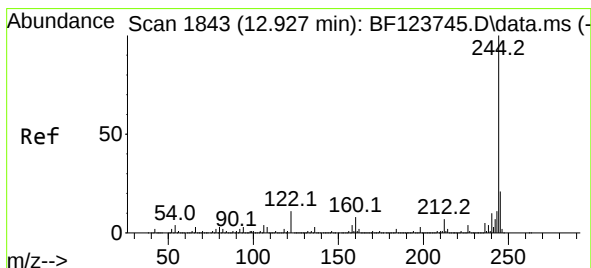
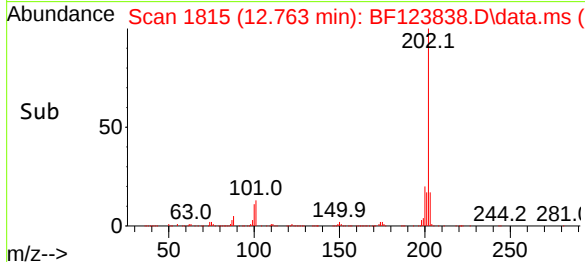
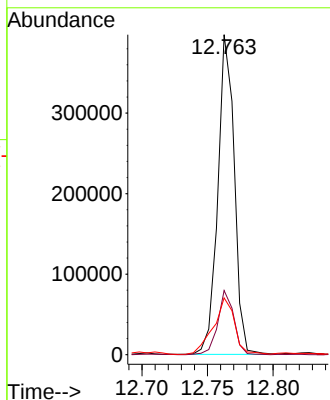
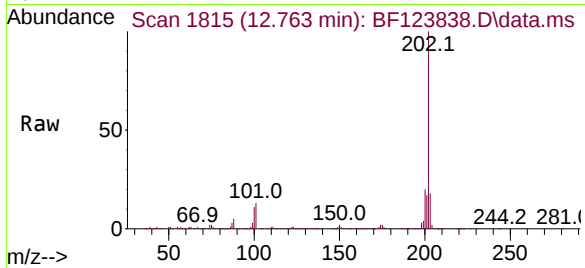




#78
Pyrene
Concen: 8.56 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

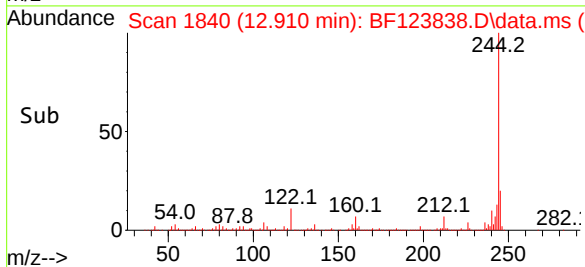
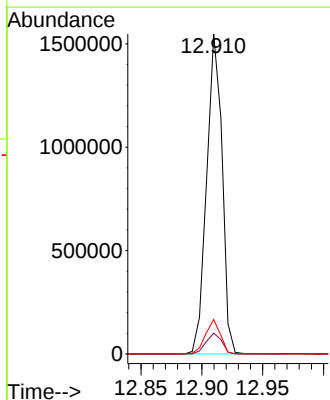
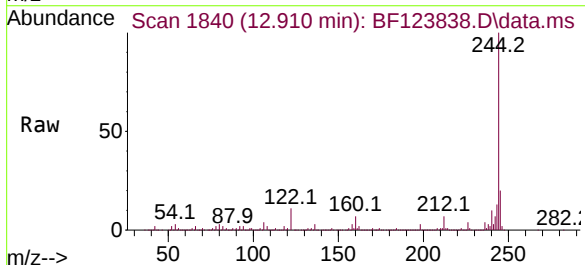
Instrument :
BNA_F
ClientSampleId :
124055

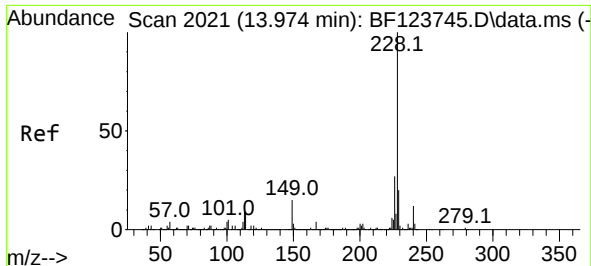
Tgt Ion:202 Resp: 346534
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 17.8 14.8 22.2



#79
Terphenyl-d14
Concen: 50.49 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:244 Resp: 1366897
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 10.8 9.7 14.5

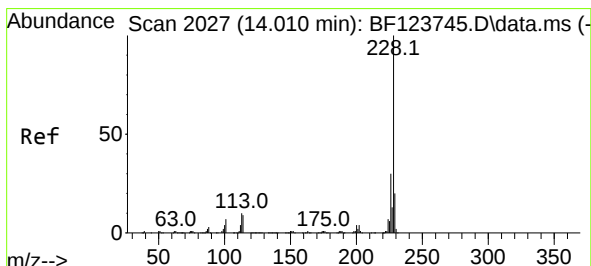
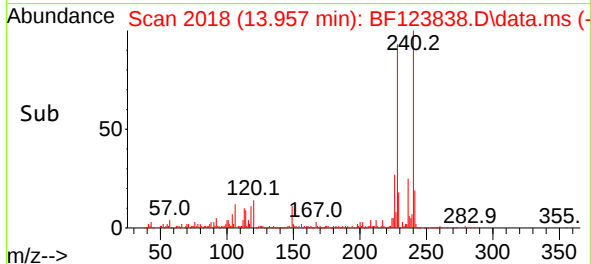
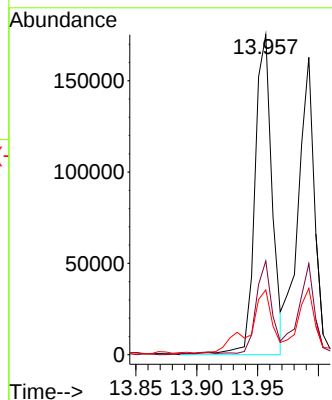
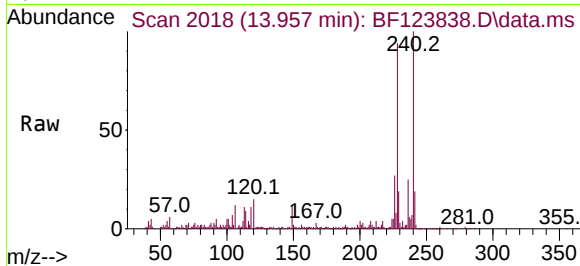




#81
Benzo(a)anthracene
Concen: 5.42 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

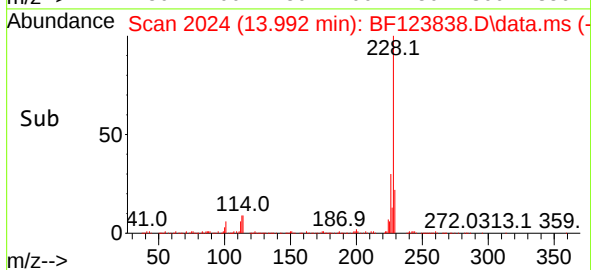
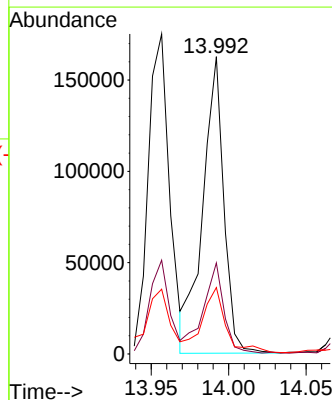
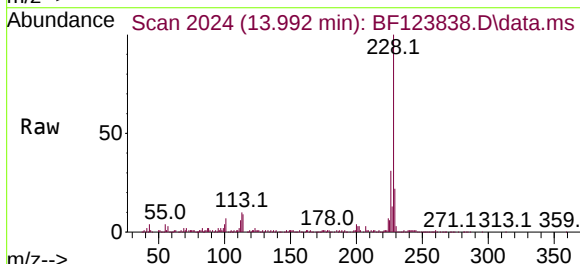
Instrument :
BNA_F
ClientSampleId :
124055

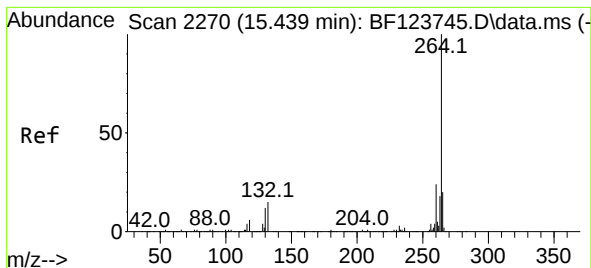
Tgt Ion:228 Resp: 171354
Ion Ratio Lower Upper
228 100
226 29.3 22.4 33.6
229 20.2 16.0 24.0



#83
Chrysene
Concen: 4.84 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:228 Resp: 153693
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.3 16.2 24.2

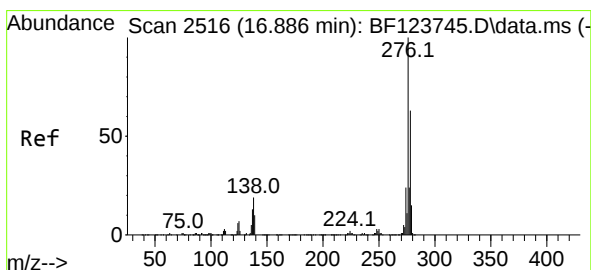
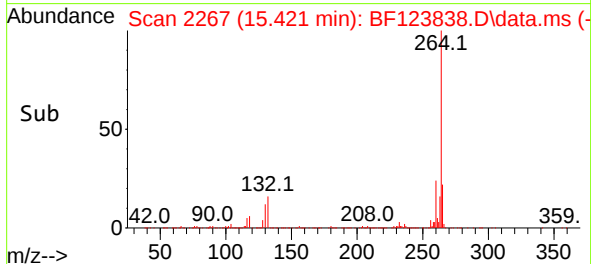
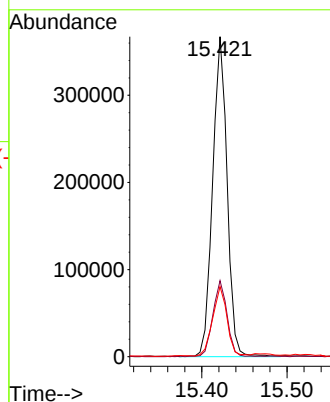
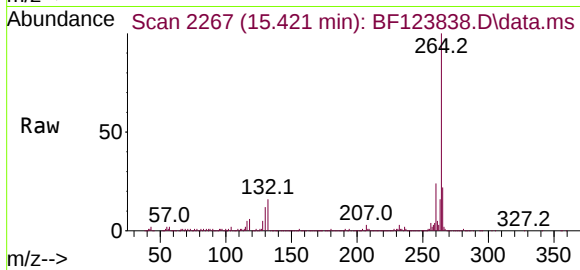




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

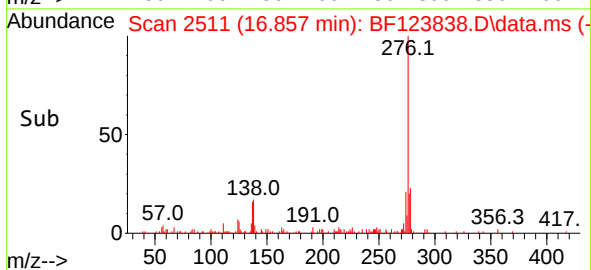
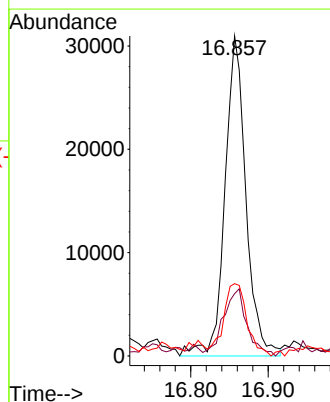
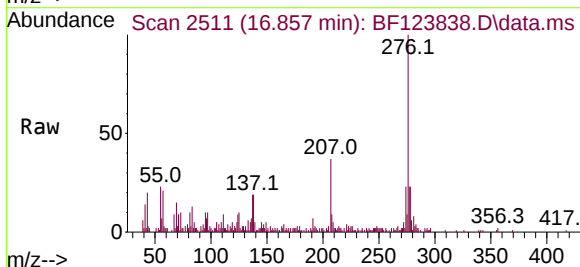
Instrument :
BNA_F
ClientSampleId :
124055

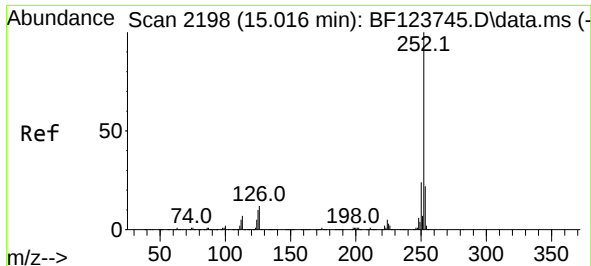
Tgt Ion:	264	Resp:	434898
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	21.9	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.31 ng
RT: 16.857 min Scan# 2511
Delta R.T. -0.024 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:	276	Resp:	58535
Ion Ratio	Lower	Upper	
276	100		
138	23.5	16.2	24.2
277	25.1	20.1	30.1

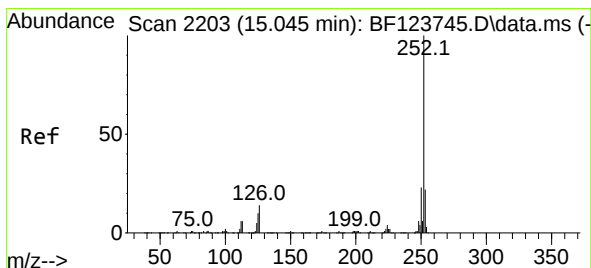
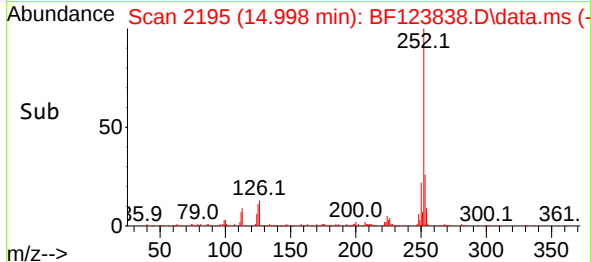
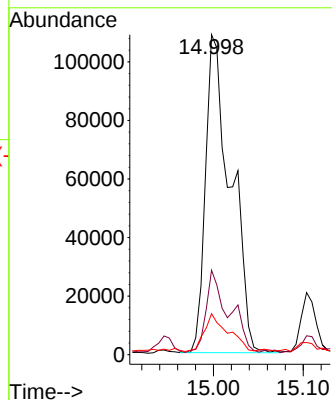
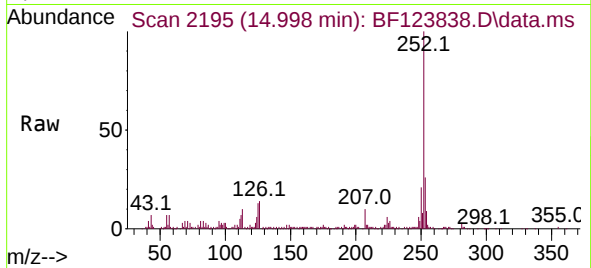




#88
Benzo(b)fluoranthene
Concen: 7.22 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

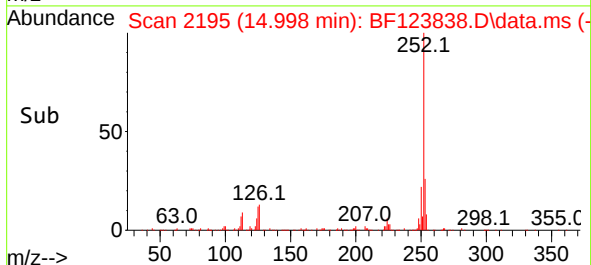
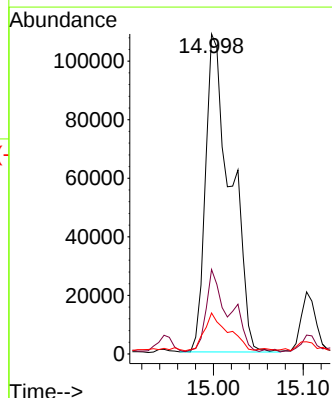
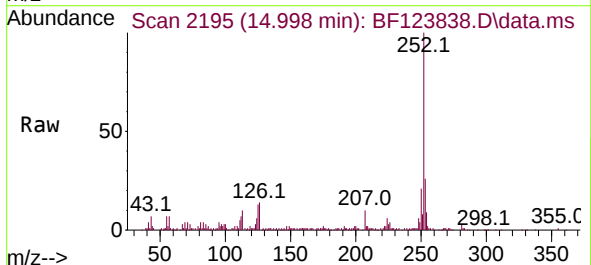
Instrument :
BNA_F
ClientSampleId :
124055

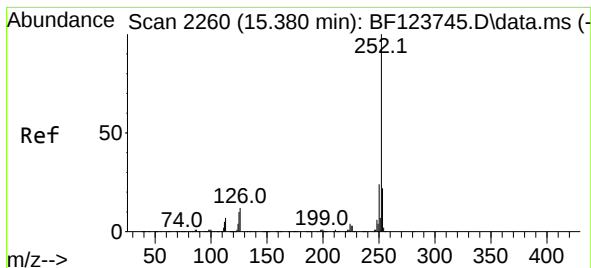
Tgt Ion:252 Resp: 211614
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 12.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 7.57 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF123838.D
Acq: 5 May 2021 20:46

Tgt Ion:252 Resp: 211614
Ion Ratio Lower Upper
252 100
253 26.4 17.9 26.9
125 12.8 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 4.30 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF123838.D

Acq: 5 May 2021 20:46

Instrument :

BNA_F

ClientSampleId :

124055

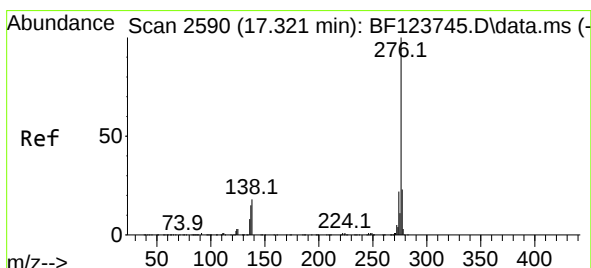
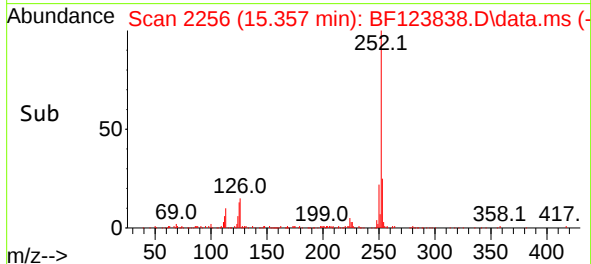
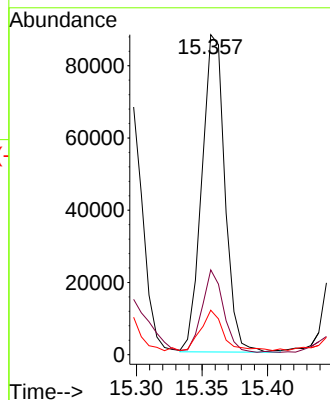
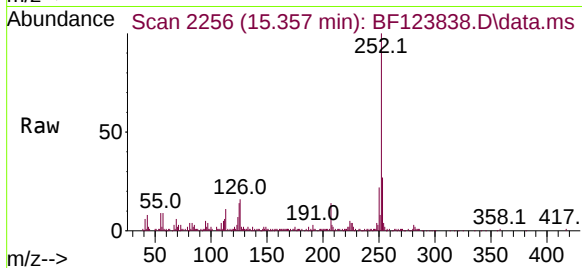
Tgt Ion:252 Resp: 107866

Ion Ratio Lower Upper

252 100

253 26.5 18.4 27.6

125 13.9 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 2.38 ng

RT: 17.292 min Scan# 2585

Delta R.T. -0.024 min

Lab File: BF123838.D

Acq: 5 May 2021 20:46

Tgt Ion:276 Resp: 50985

Ion Ratio Lower Upper

276 100

277 26.2 18.2 27.2

138 21.2 13.8 20.6#

