

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123611.D
 Acq On : 17 Apr 2021 1:36
 Operator : JU/CG
 Sample : M2050-11 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Apr 17 02:23:28 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 16 10:31:33 2021
 Response via : Initial Calibration

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

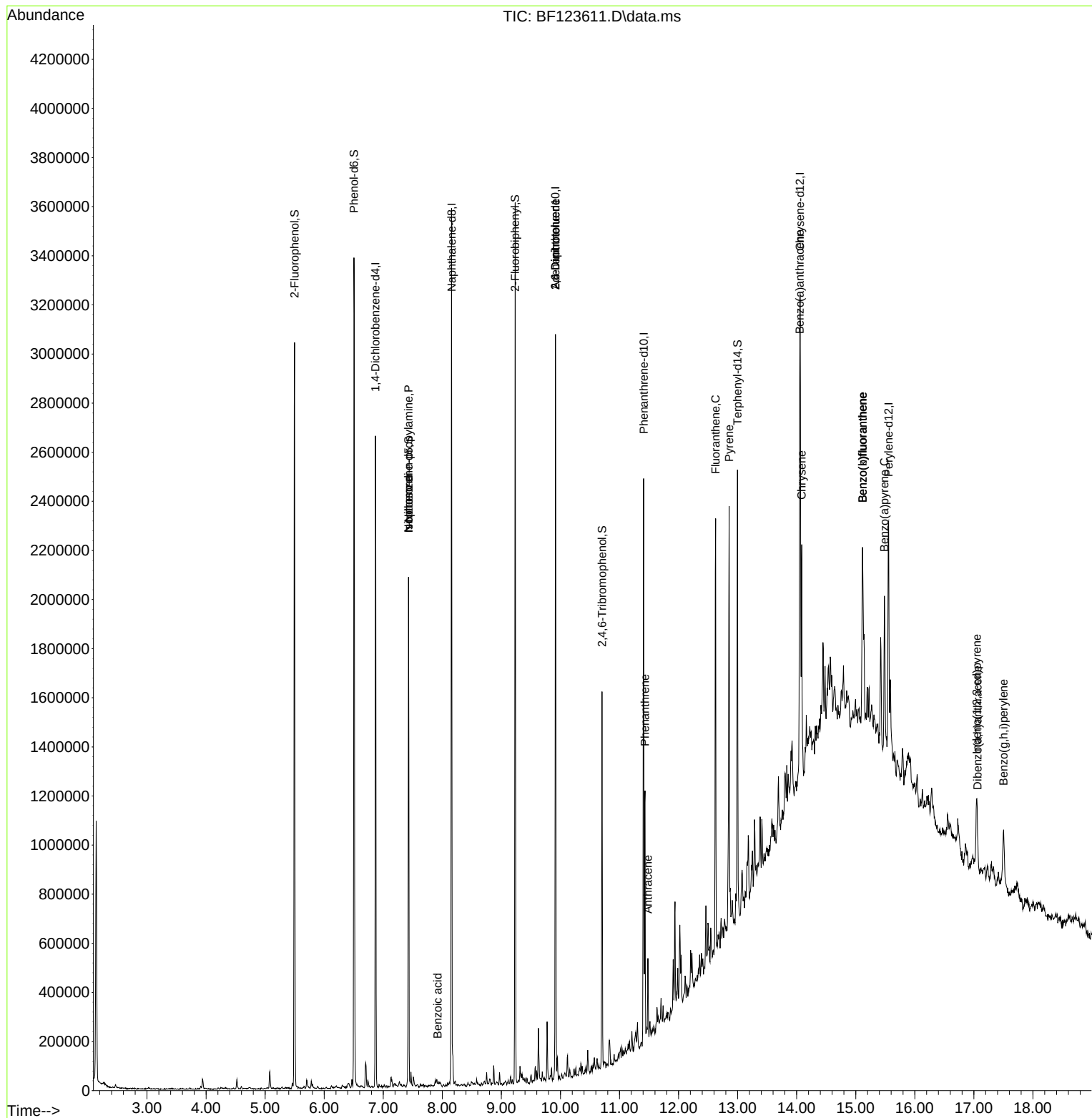
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	340876	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	1234109	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	555145	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	799811	20.00	ng	0.00
76) Chrysene-d12	14.057	240	543837	20.00	ng	# 0.00
86) Perylene-d12	15.556	264	465703	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	678380	32.17	ng	0.02
7) Phenol-d6	6.504	99	888364	30.40	ng	0.00
23) Nitrobenzene-d5	7.428	82	551457	20.54	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	141636	22.53	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	894312	24.01	ng	0.00
79) Terphenyl-d14	12.998	244	531964	19.01	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	72157	3.73	ng	# 81
25) Isophorone	7.428	82	547908	10.52	ng	# 69
32) Benzoic acid	7.922	122	250	4.56	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	75008	8.91	ng	# 11
57) 2,4-Dinitrotoluene	9.916	165	75008	6.67	ng	# 17
71) Phenanthrene	11.433	178	356984	8.55	ng	99
72) Anthracene	11.480	178	113511	2.72	ng	98
75) Fluoranthene	12.627	202	687750	14.99	ng	98
78) Pyrene	12.857	202	694335	17.49	ng	99
81) Benzo(a)anthracene	14.051	228	386286	11.59	ng	95
83) Chrysene	14.086	228	392062	11.71	ng	98
87) Indeno(1,2,3-cd)pyrene	17.050	276	195502	7.87	ng	98
88) Benzo(b)fluoranthene	15.115	252	581132	17.67	ng	# 96
89) Benzo(k)fluoranthene	15.115	252	581132	18.81	ng	# 96
90) Benzo(a)pyrene	15.486	252	332149	12.70	ng	# 98
91) Dibenzo(a,h)anthracene	17.062	278	54606	2.60	ng	# 79
92) Benzo(g,h,i)perylene	17.503	276	198154	11.59	ng	93

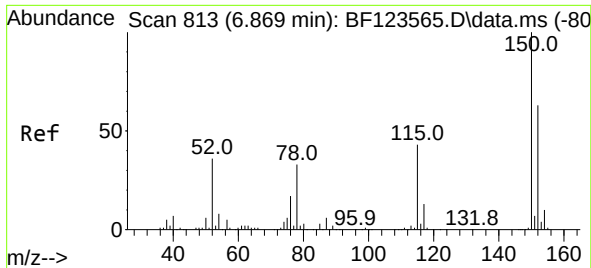
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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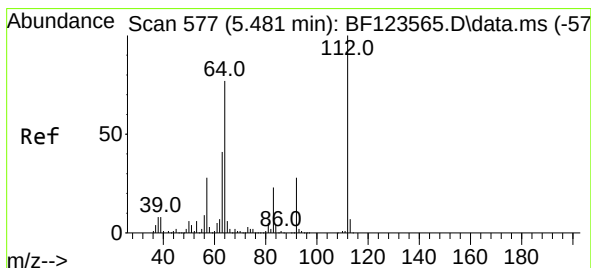
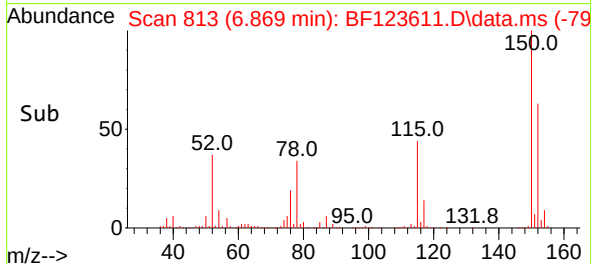
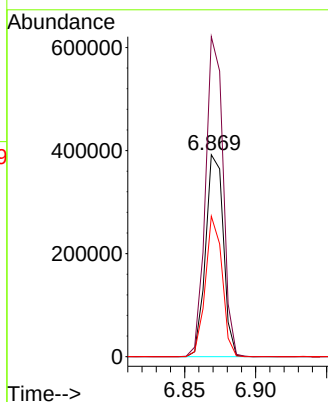
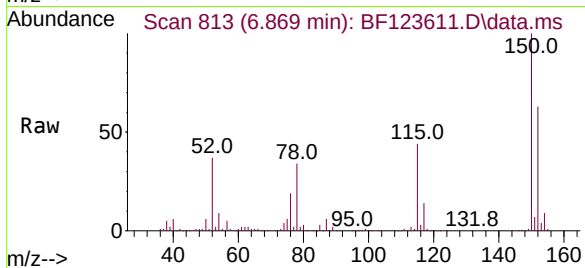




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF123611.D
 Acq: 17 Apr 2021 1:36

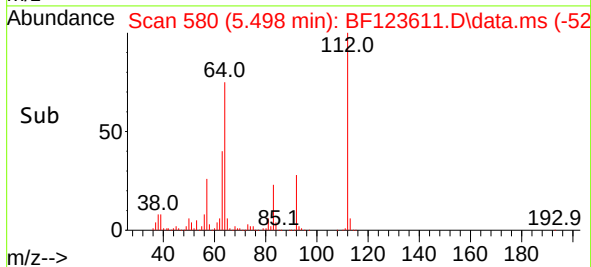
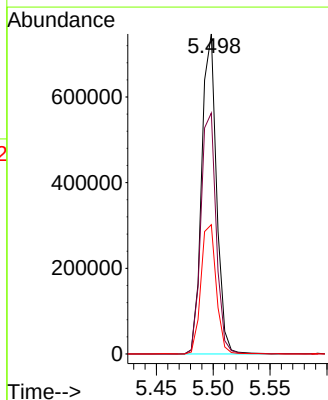
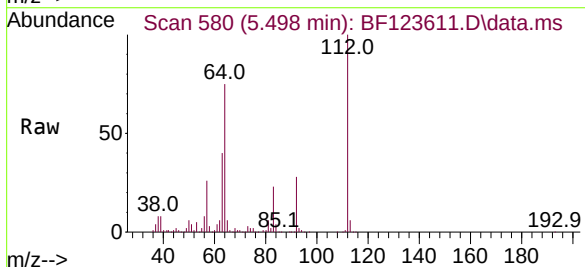
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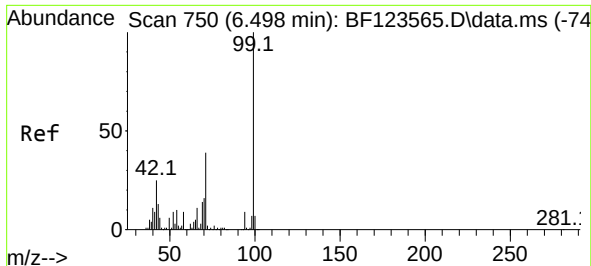
Tgt Ion:152 Resp: 340876
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.0 190.6
 115 69.5 54.3 81.5



#5
 2-Fluorophenol
 Concen: 32.17 ng
 RT: 5.498 min Scan# 580
 Delta R.T. 0.018 min
 Lab File: BF123611.D
 Acq: 17 Apr 2021 1:36

Tgt Ion:112 Resp: 678380
 Ion Ratio Lower Upper
 112 100
 64 75.3 61.4 92.0
 63 40.4 33.0 49.4

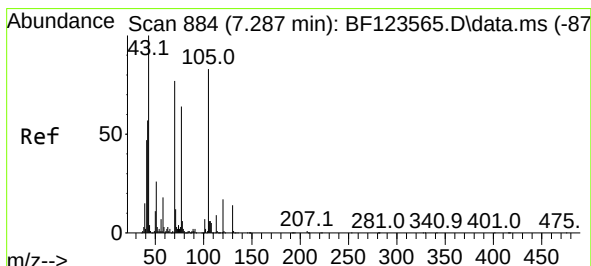
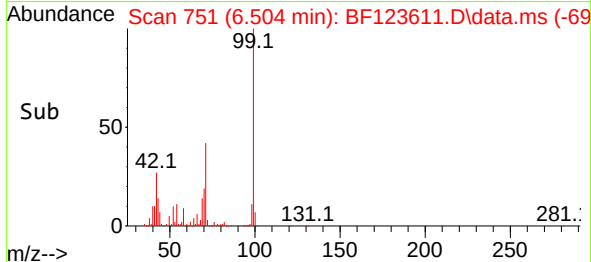
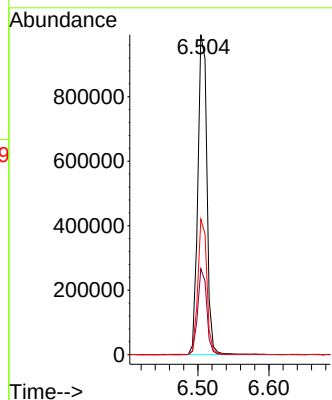
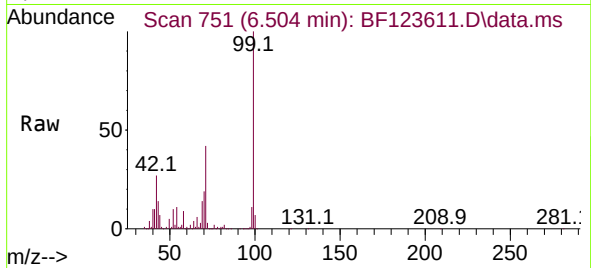




#7
Phenol-d6
Concen: 30.40 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

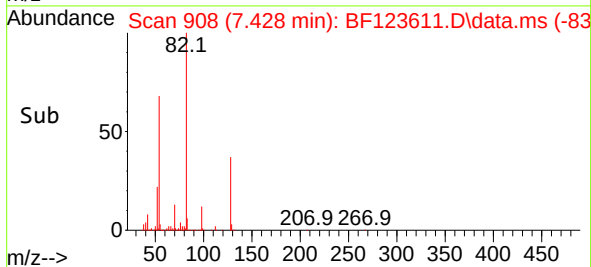
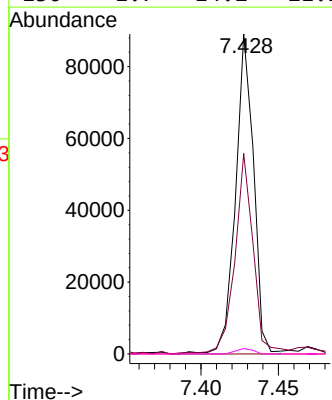
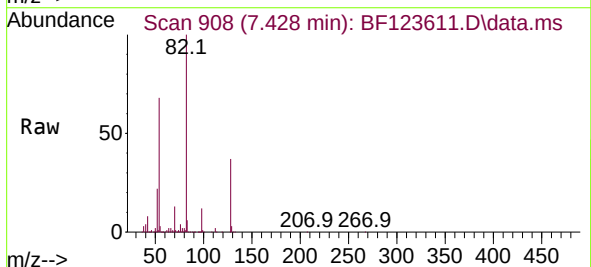
Instrument :
BNA_F
ClientSampleId :
TP-3

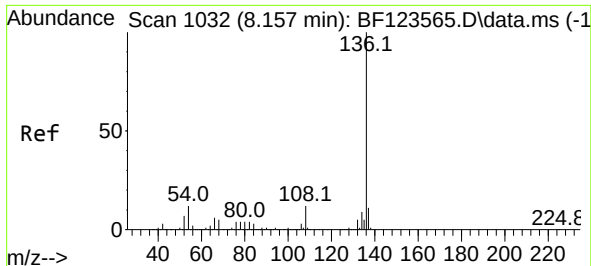
Tgt Ion: 99 Resp: 888364
Ion Ratio Lower Upper
99 100
42 26.9 19.8 29.8
71 42.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.73 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion: 70 Resp: 72157
Ion Ratio Lower Upper
70 100
42 62.7 60.1 90.1
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



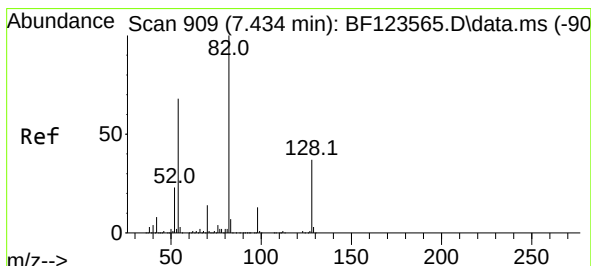
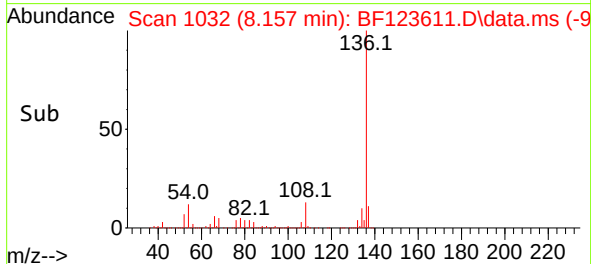
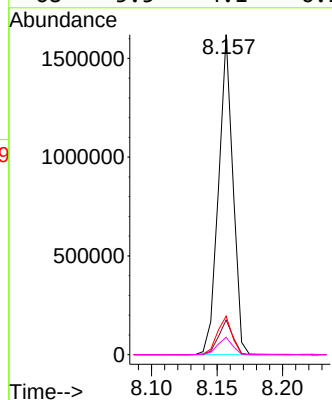
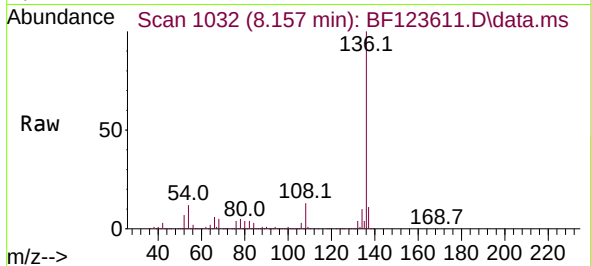


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 1234109

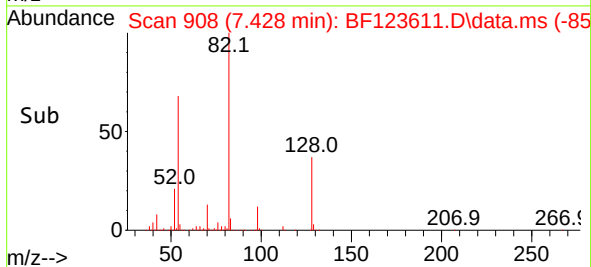
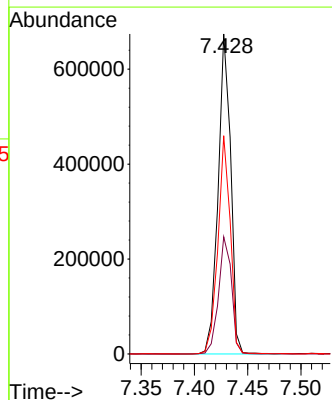
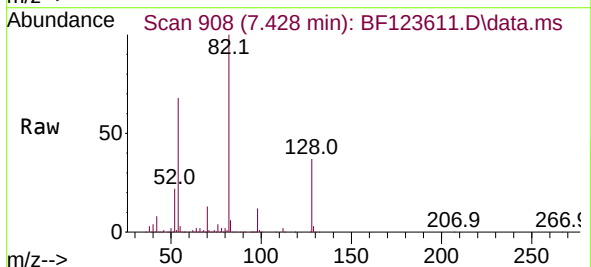
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	12.1	9.8	14.6
68	5.5	4.1	6.1

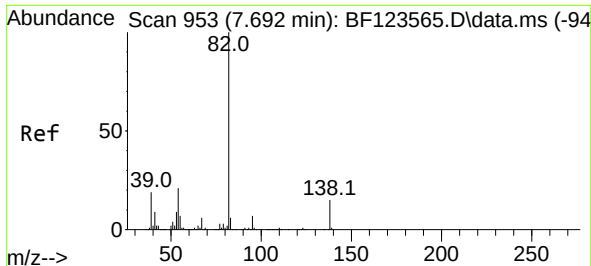


#23
Nitrobenzene-d5
Concen: 20.54 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion: 82 Resp: 551457

Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.4	44.2
54	68.2	54.1	81.1

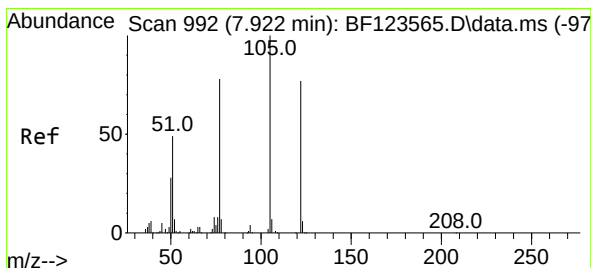
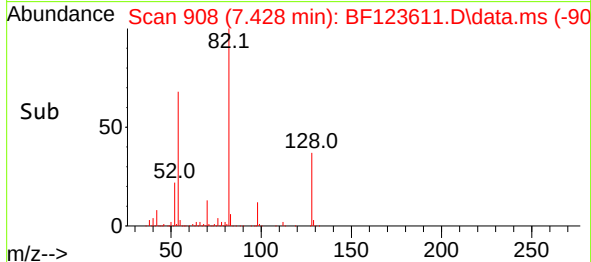
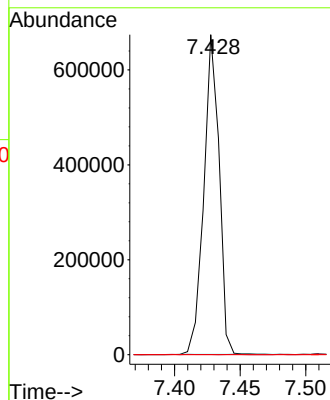
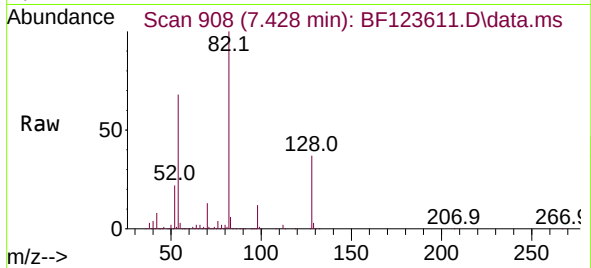




#25
Isophorone
Concen: 10.52 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

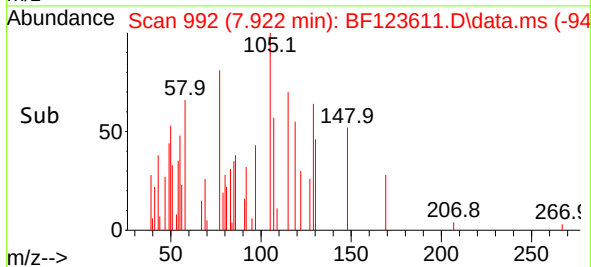
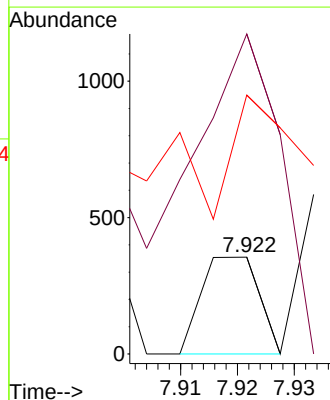
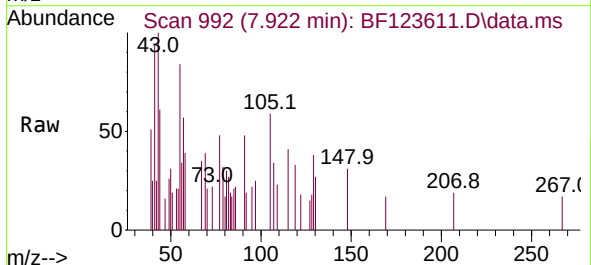
Instrument :
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ClientSampleId :
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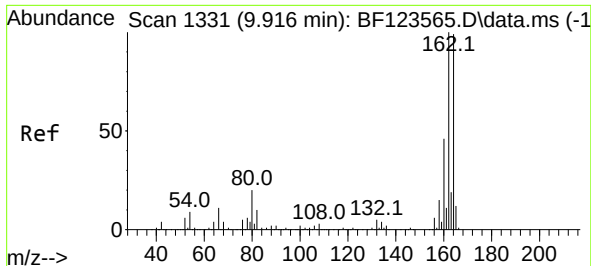
Tgt Ion: 82 Resp: 547908
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:122 Resp: 250
Ion Ratio Lower Upper
122 100
105 330.4 107.8 147.8#
77 267.3 81.6 121.6#

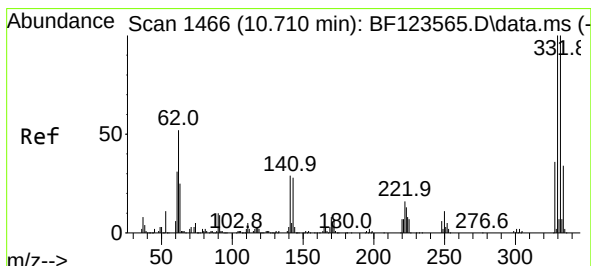
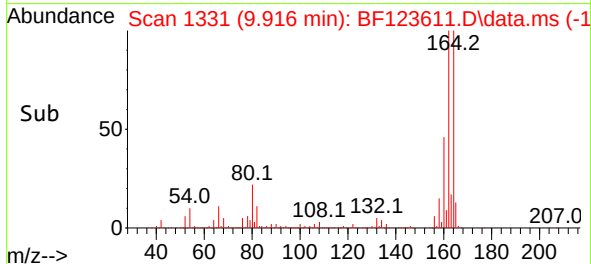
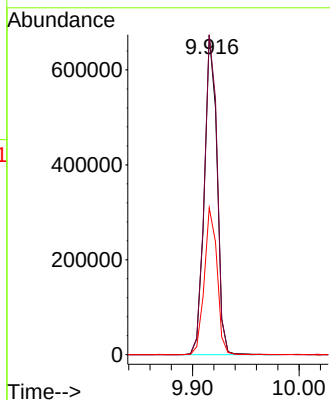
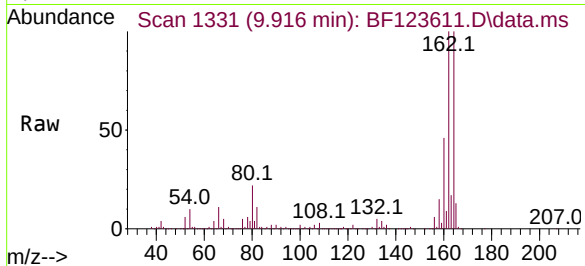




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

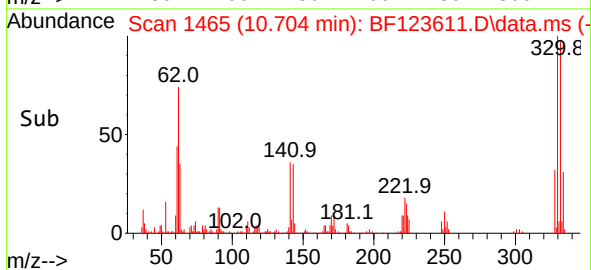
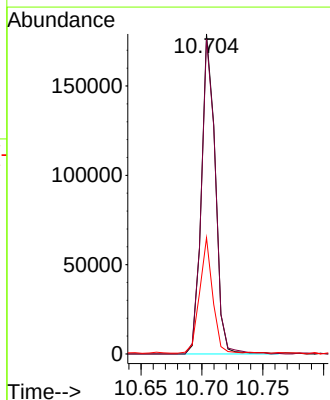
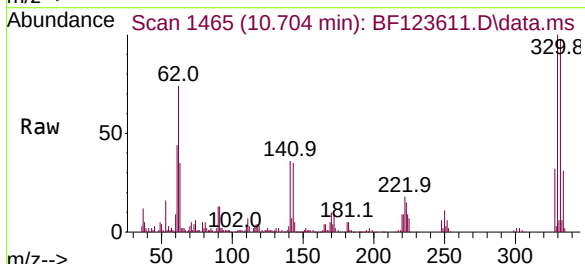
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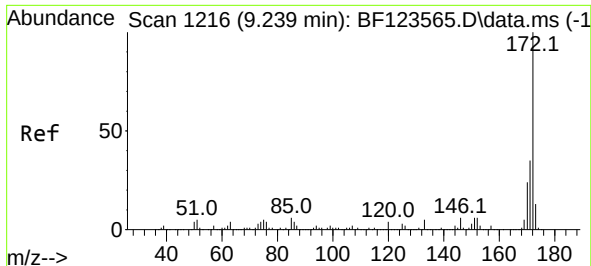
Tgt Ion:164 Resp: 555145
Ion Ratio Lower Upper
164 100
162 100.2 80.7 121.1
160 46.0 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 22.53 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:330 Resp: 141636
Ion Ratio Lower Upper
330 100
332 99.9 77.1 115.7
141 34.0 27.9 41.9

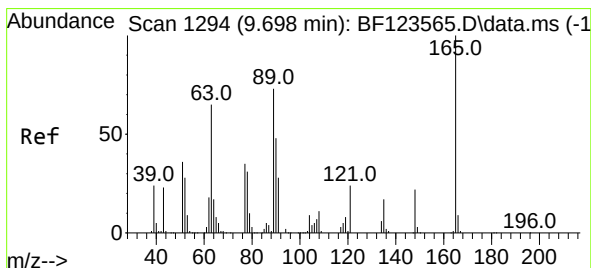
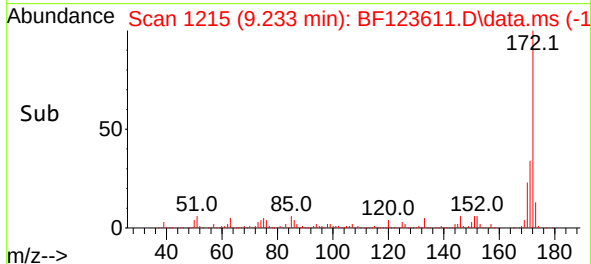
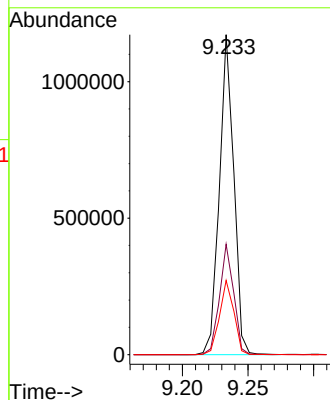
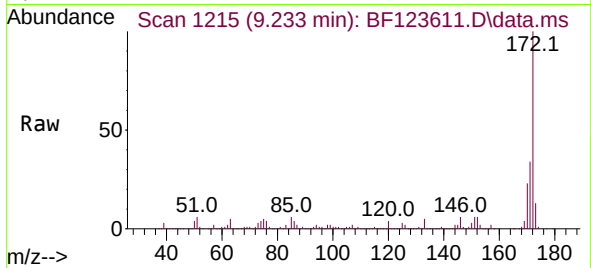




#45
2-Fluorobiphenyl
Concen: 24.01 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

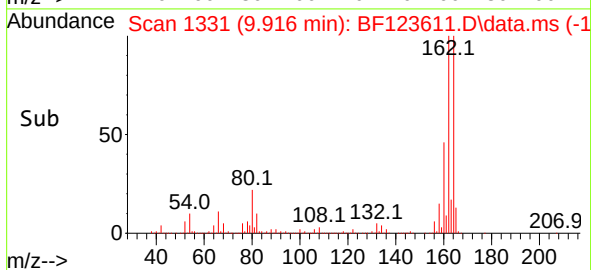
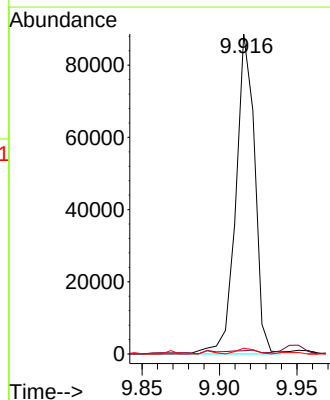
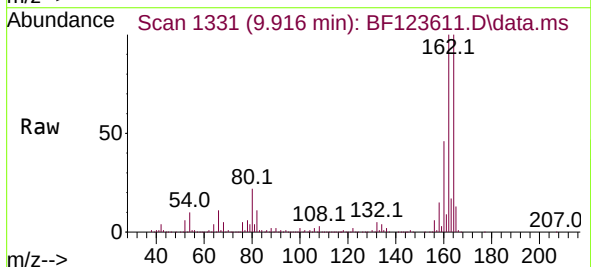
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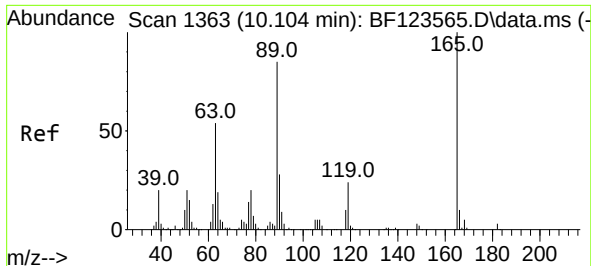
Tgt Ion:172 Resp: 894312
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.2 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.91 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:165 Resp: 75008
Ion Ratio Lower Upper
165 100
63 1.0 67.7 101.5#
89 1.8 58.8 88.2#

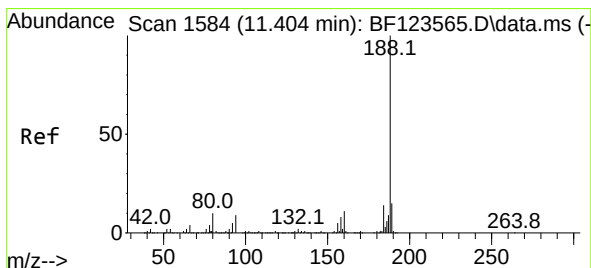
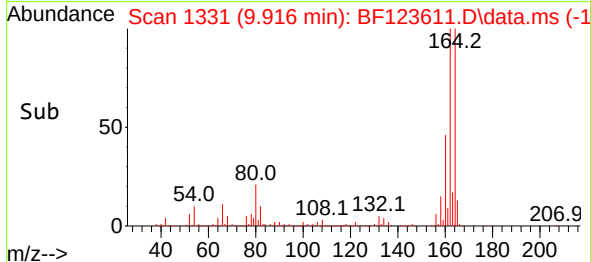
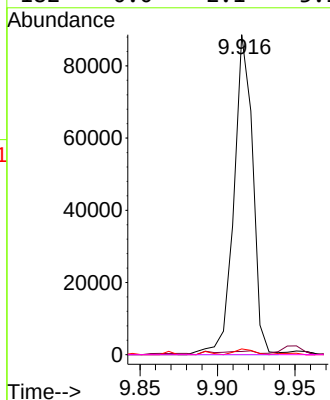
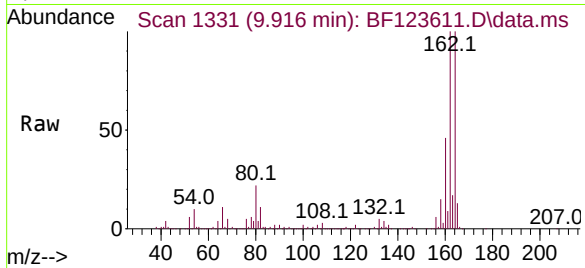




#57
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

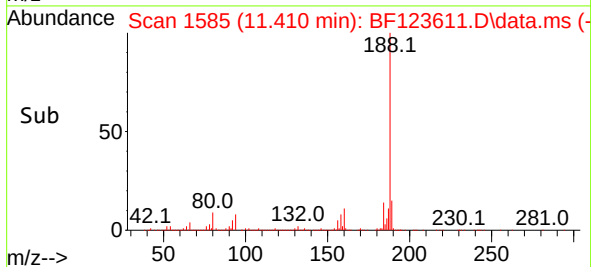
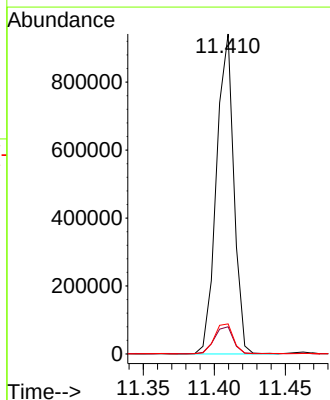
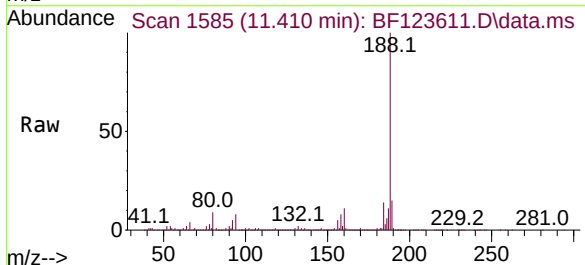
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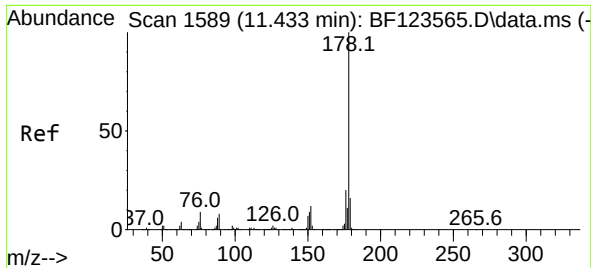
Tgt Ion:165 Resp: 75008
Ion Ratio Lower Upper
165 100
63 1.0 43.5 65.3#
89 1.8 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:188 Resp: 799811
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.4 8.2 12.2

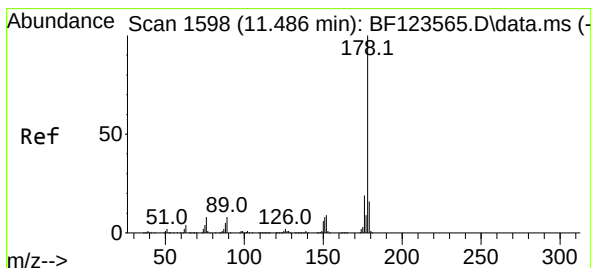
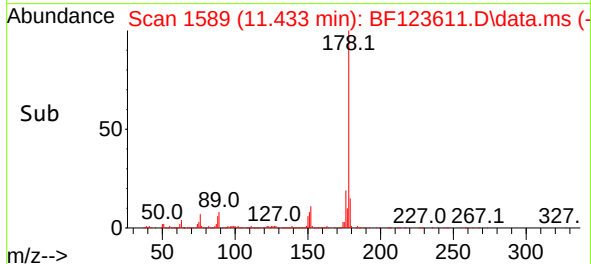
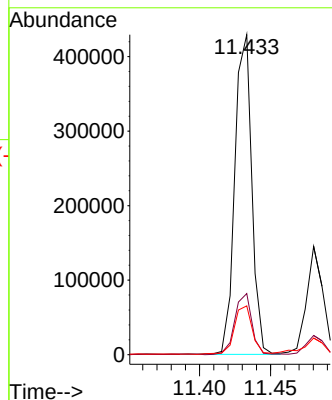
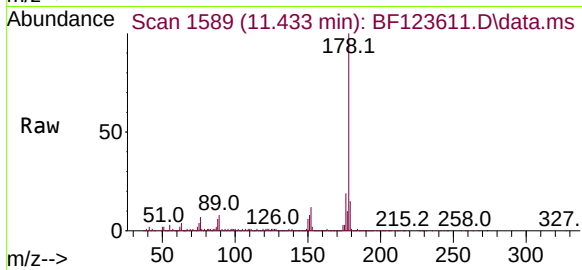




#71
Phenanthrene
Concen: 8.55 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

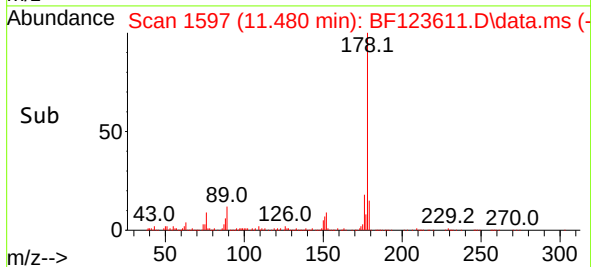
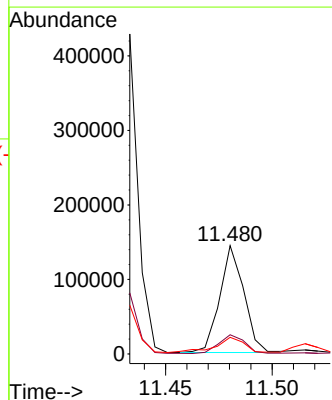
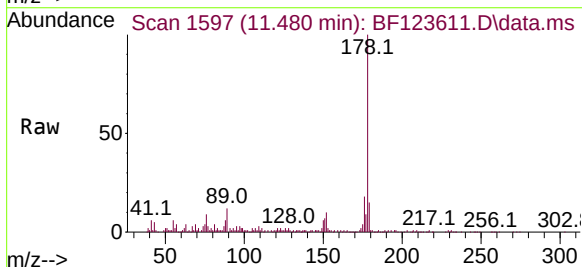
Instrument :
BNA_F
ClientSampleId :
TP-3

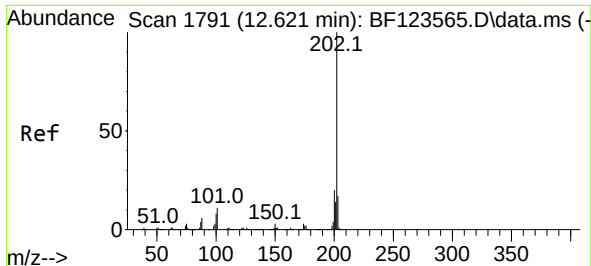
Tgt Ion:178 Resp: 356984
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.3 12.5 18.7



#72
Anthracene
Concen: 2.72 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:178 Resp: 113511
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 15.4 12.6 18.8

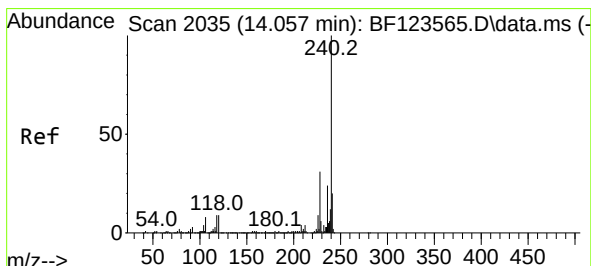
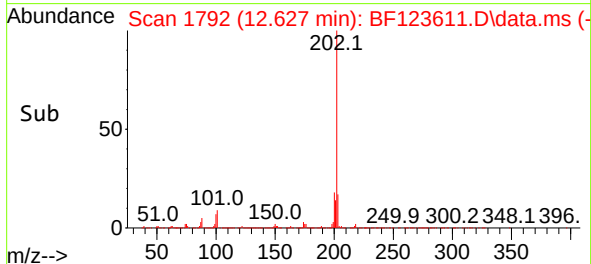
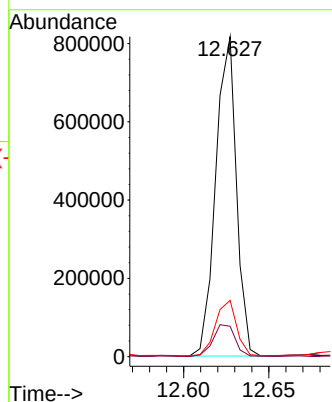
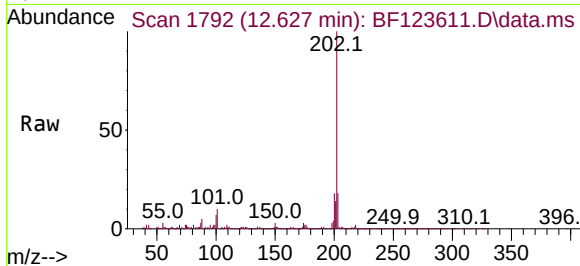




#75
Fluoranthene
Concen: 14.99 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

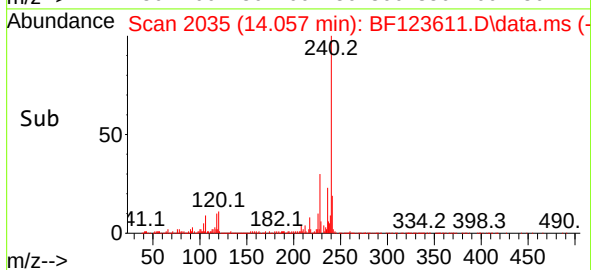
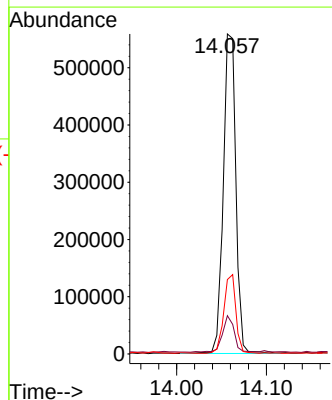
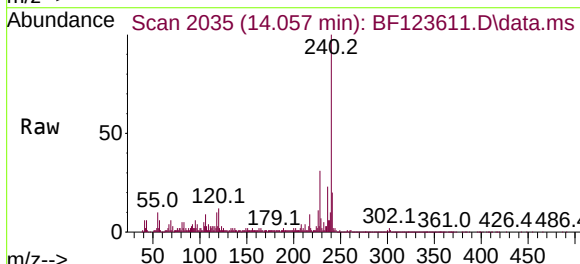
Instrument :
BNA_F
ClientSampleId :
TP-3

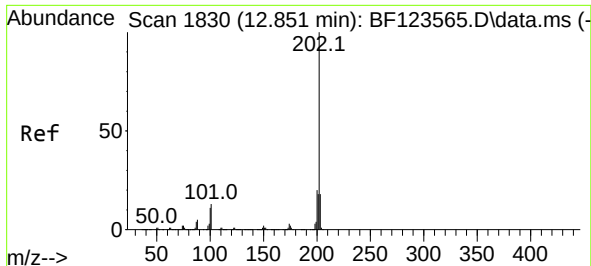
Tgt Ion:202 Resp: 687750
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:240 Resp: 543837
Ion Ratio Lower Upper
240 100
120 12.0 7.2 10.8#
236 23.2 19.0 28.4

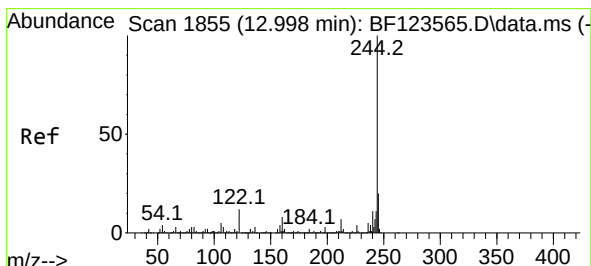
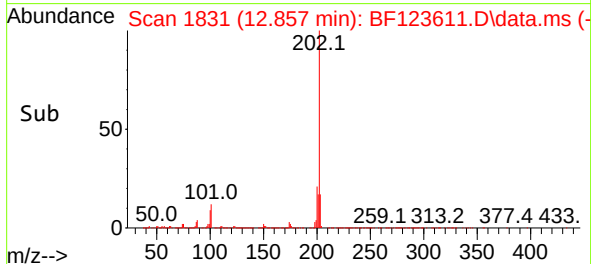
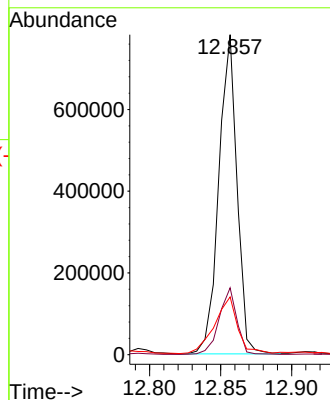
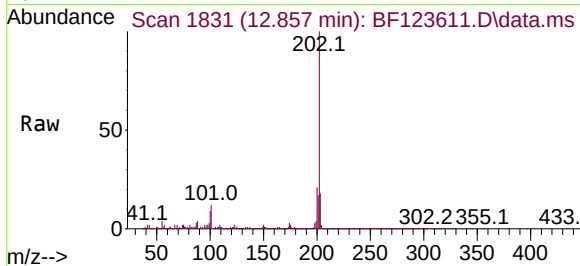




#78
Pyrene
Concen: 17.49 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

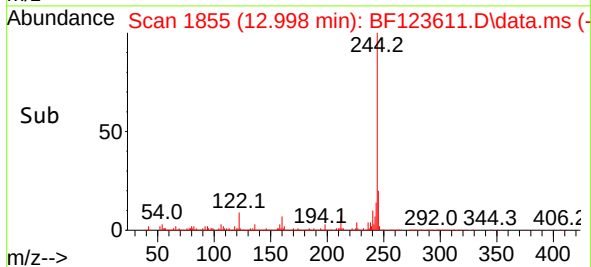
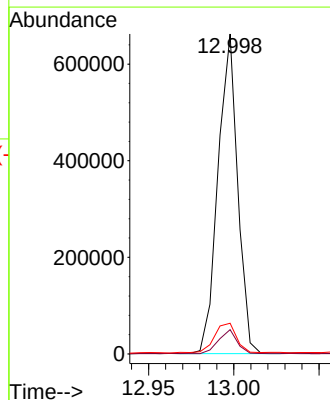
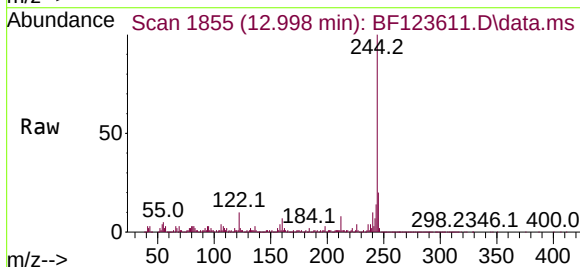
Instrument :
BNA_F
ClientSampleId :
TP-3

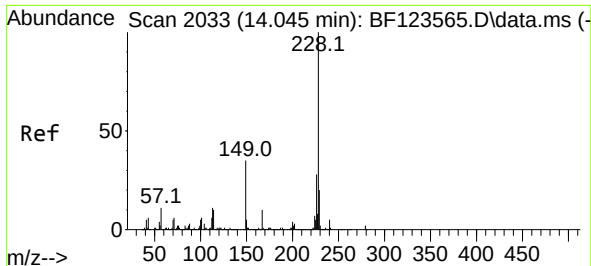
Tgt Ion:202 Resp: 694335
Ion Ratio Lower Upper
202 100
200 20.9 16.1 24.1
203 18.1 14.8 22.2



#79
Terphenyl-d14
Concen: 19.01 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:244 Resp: 531964
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 9.6 9.7 14.5#

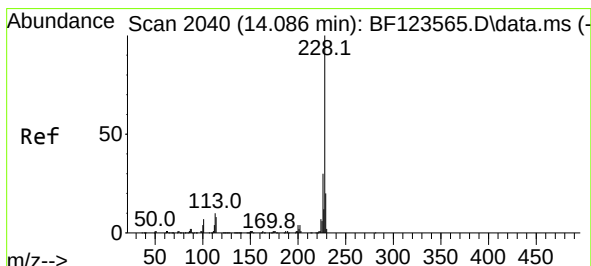
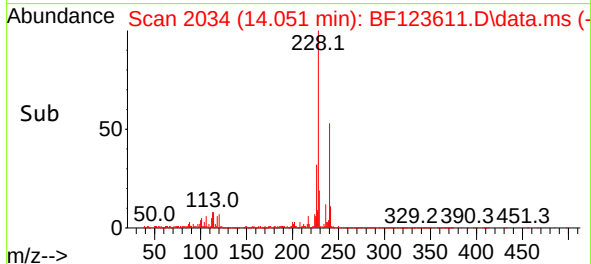
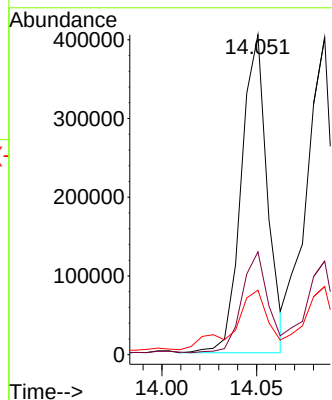
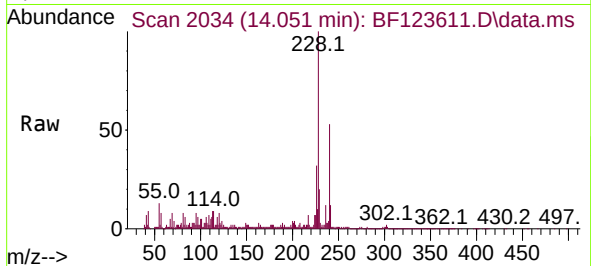




#81
Benzo(a)anthracene
Concen: 11.59 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

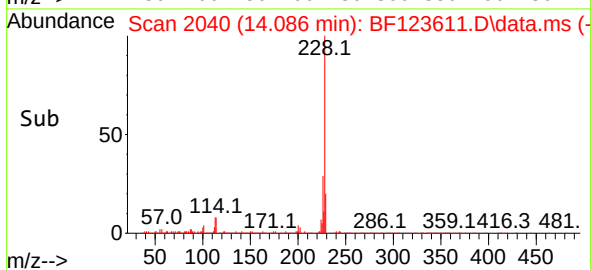
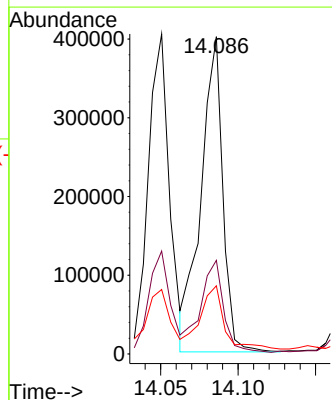
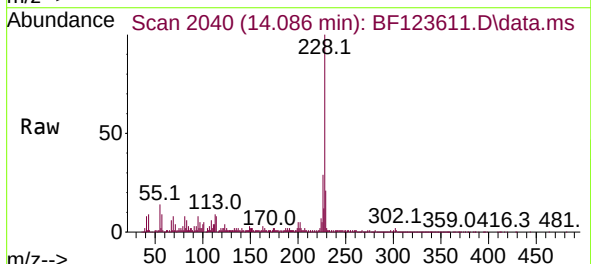
Instrument :
BNA_F
ClientSampleId :
TP-3

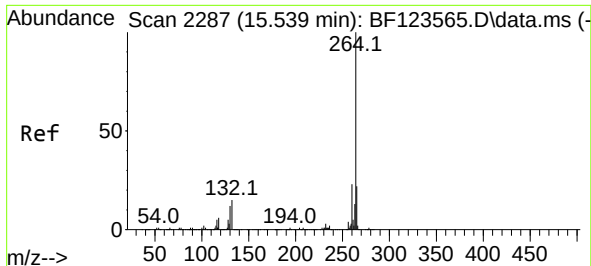
Tgt Ion:228 Resp: 386286
Ion Ratio Lower Upper
228 100
226 32.2 22.4 33.6
229 20.1 16.0 24.0



#83
Chrysene
Concen: 11.71 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:228 Resp: 392062
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 21.5 16.2 24.2

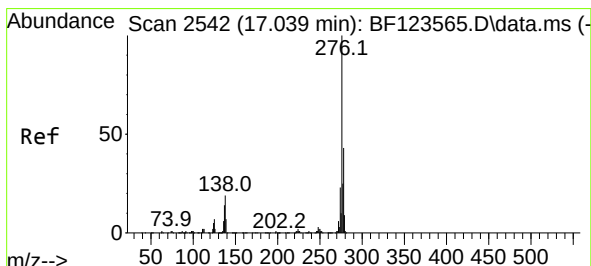
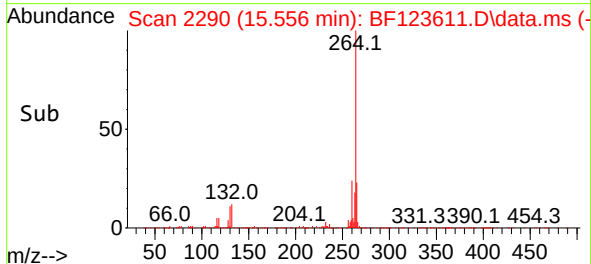
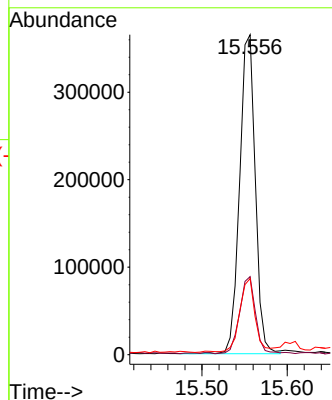
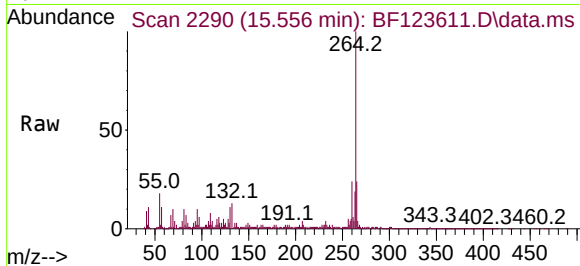




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.018 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

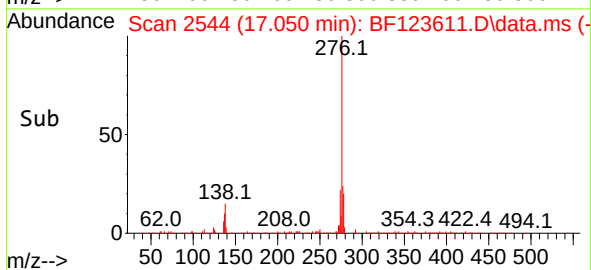
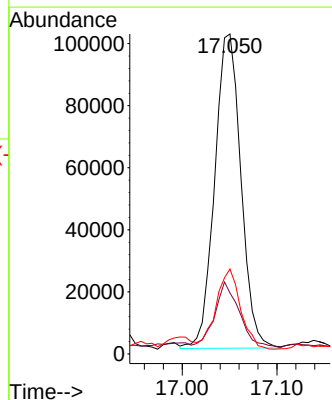
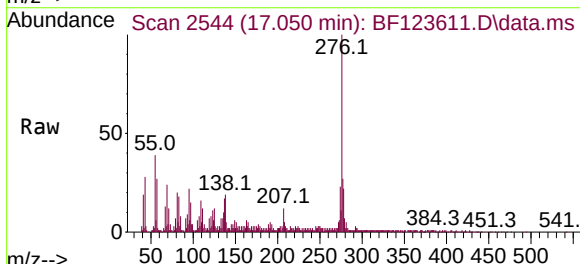
Instrument :
BNA_F
ClientSampleId :
TP-3

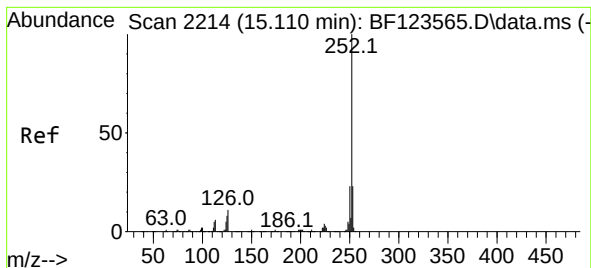
Tgt Ion:264 Resp: 465703
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 23.8 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.87 ng
RT: 17.050 min Scan# 2544
Delta R.T. 0.012 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Tgt Ion:276 Resp: 195502
Ion Ratio Lower Upper
276 100
138 19.8 16.2 24.2
277 23.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 17.67 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.006 min

Lab File: BF123611.D

Acq: 17 Apr 2021 1:36

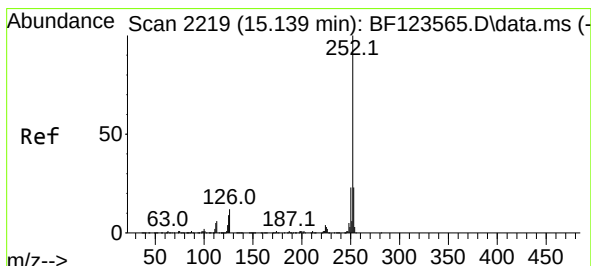
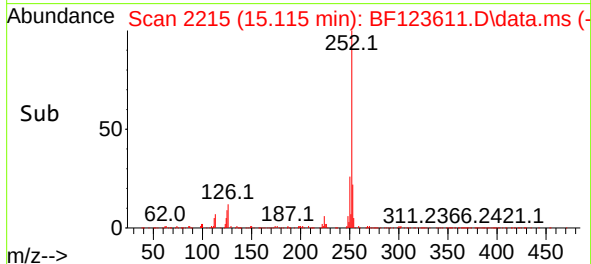
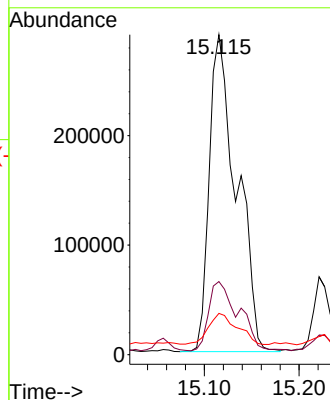
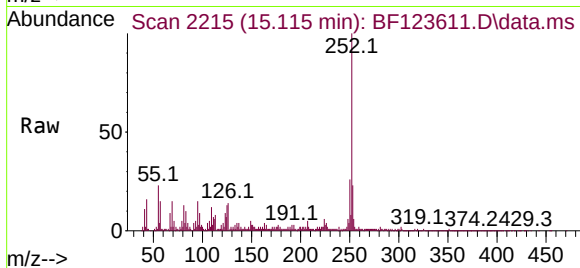
Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:252	Resp: 581132
Ion Ratio	Lower Upper
252	100
253	22.8 18.1 27.1
125	12.9 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 18.81 ng

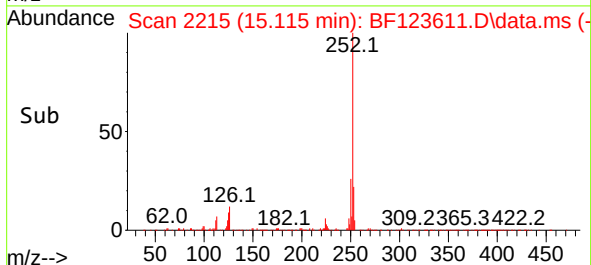
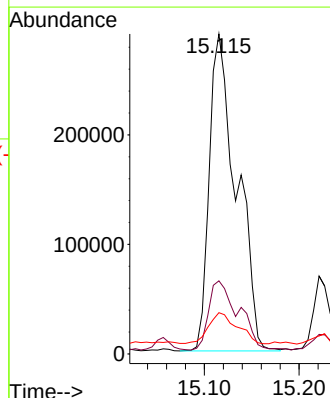
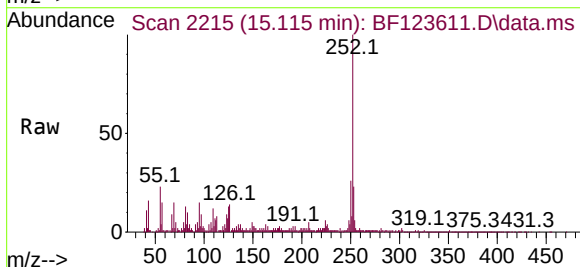
RT: 15.115 min Scan# 2215

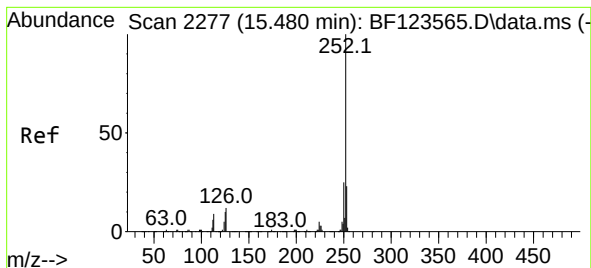
Delta R.T. -0.024 min

Lab File: BF123611.D

Acq: 17 Apr 2021 1:36

Tgt Ion:252	Resp: 581132
Ion Ratio	Lower Upper
252	100
253	22.8 17.9 26.9
125	12.9 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 12.70 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF123611.D

Acq: 17 Apr 2021 1:36

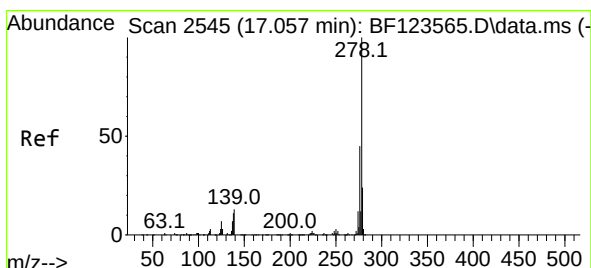
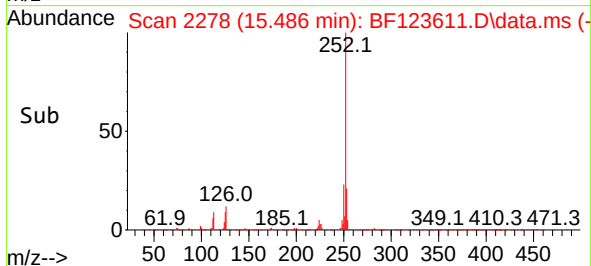
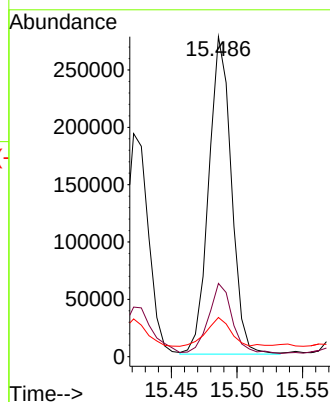
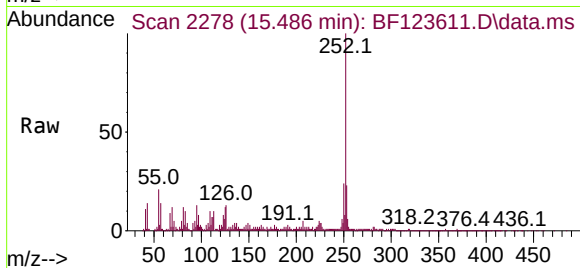
Tgt Ion:252 Resp: 332149
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.4 27.6
 125 12.2 8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

TP-3



#91

Dibenzo(a,h)anthracene

Concen: 2.60 ng

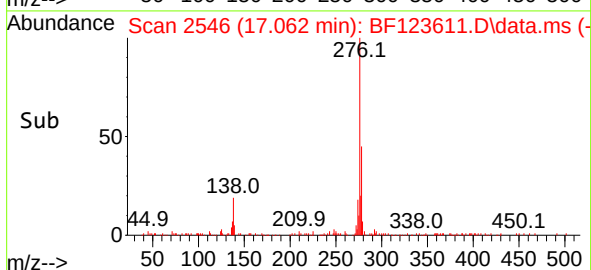
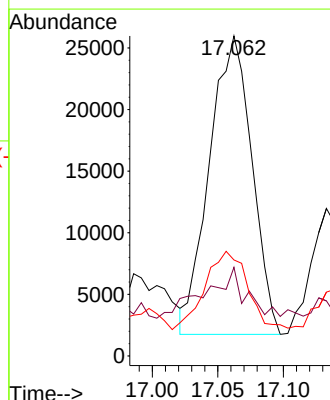
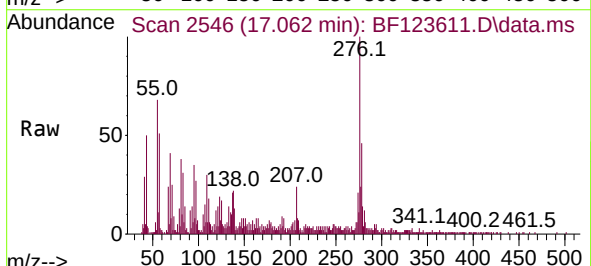
RT: 17.062 min Scan# 2546

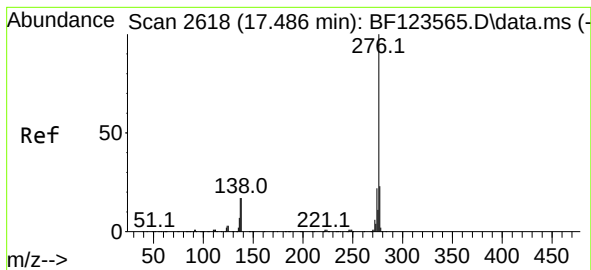
Delta R.T. 0.006 min

Lab File: BF123611.D

Acq: 17 Apr 2021 1:36

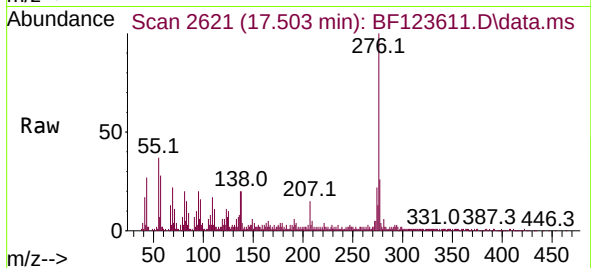
Tgt Ion:278 Resp: 54606
 Ion Ratio Lower Upper
 278 100
 139 27.7 10.2 15.2#
 279 30.0 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 11.59 ng
RT: 17.503 min Scan# 2621
Delta R.T. 0.018 min
Lab File: BF123611.D
Acq: 17 Apr 2021 1:36

Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:	276	Resp:	198154
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.2	27.2
138	20.4	13.8	20.6

