

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124006.D
 Acq On : 20 May 2021 13:31
 Operator : JU/CG
 Sample : M2457-02 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: May 20 14:23:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

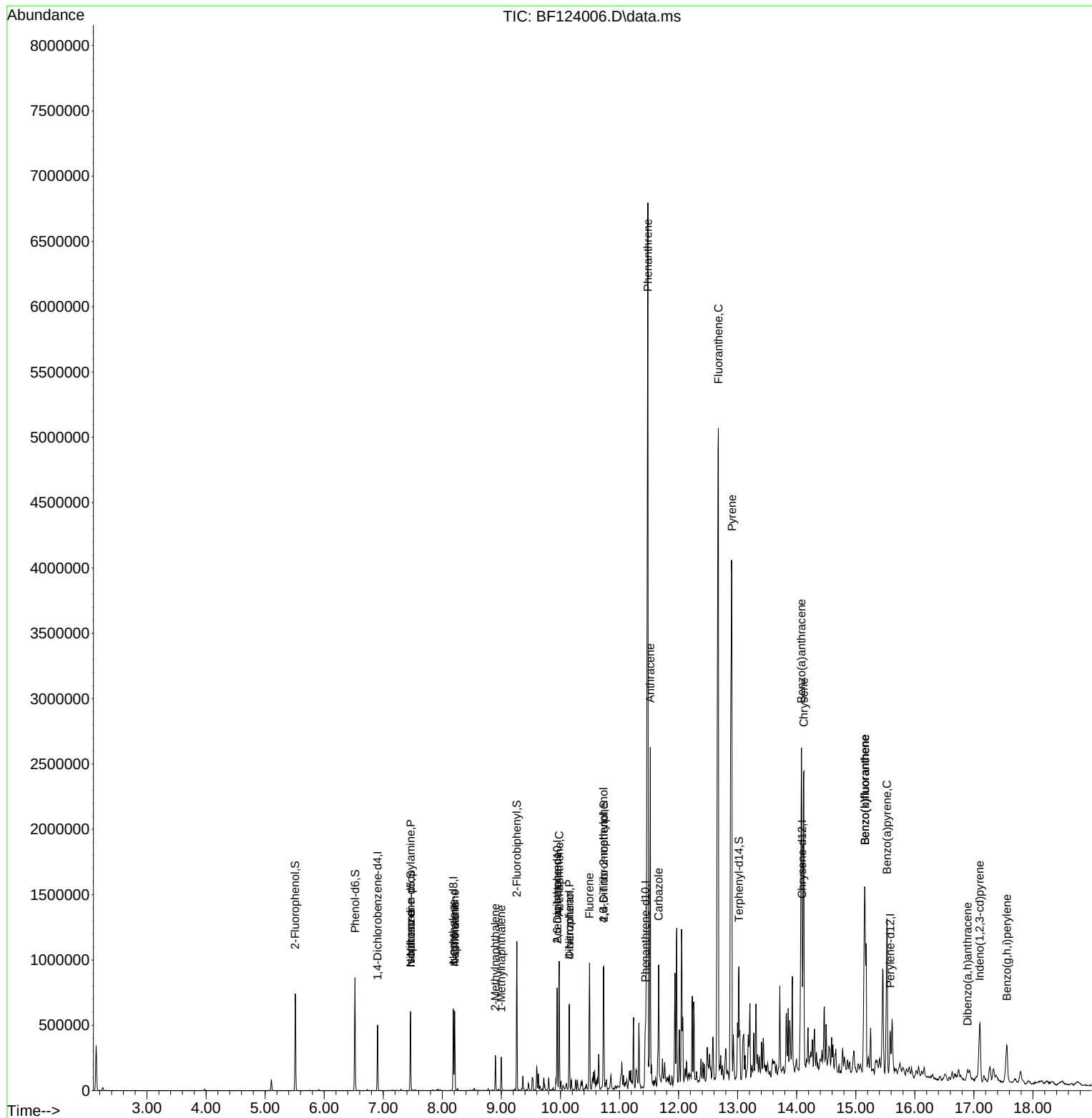
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	52945	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	224126	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	137801	20.00	ng	0.00
64) Phenanthrene-d10	11.439	188	238483	20.00	ng	0.01
76) Chrysene-d12	14.092	240	153968	20.00	ng	0.02
86) Perylene-d12	15.586	264	126054	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	157064	41.65	ng	0.00
7) Phenol-d6	6.522	99	212198	43.38	ng	0.00
23) Nitrobenzene-d5	7.463	82	153220	29.45	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	70500	42.60	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	275865	24.64	ng	0.00
79) Terphenyl-d14	13.021	244	242637	23.87	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	20168	6.10	ng	# 82
25) Isophorone	7.463	82	153217	15.31	ng	# 69
31) Naphthalene	8.210	128	194586	14.67	ng	97
33) 4-Chloroaniline	8.210	127	28578	5.66	ng	# 38
37) 2-Methylnaphthalene	8.898	142	57494	6.40	ng	98
38) 1-Methylnaphthalene	8.998	142	50882	6.07	ng	98
51) 2,6-Dinitrotoluene	9.945	165	21504	9.66	ng	# 14
52) Acenaphthene	9.980	154	171547	17.59	ng	94
55) Dibenzofuran	10.151	168	211554	15.11	ng	95
56) 4-Nitrophenol	10.151	139	84257	46.06	ng	# 1
58) Fluorene	10.492	166	214335	20.31	ng	93
65) 4,6-Dinitro-2-methylph...	10.727	198	696	5.84	ng	# 1
71) Phenanthrene	11.480	178	3212404	212.54	ng	100
72) Anthracene	11.522	178	849832	55.49	ng	99
73) Carbazole	11.663	167	303739	22.67	ng	98
75) Fluoranthene	12.674	202	2943330	188.07	ng	98
78) Pyrene	12.904	202	2330838	170.52	ng	98
81) Benzo(a)anthracene	14.080	228	1082835	97.24	ng	99
83) Chrysene	14.121	228	854260	79.76	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	279738	28.74	ng	98
88) Benzo(b)fluoranthene	15.157	252	1244451	127.62	ng	# 97
89) Benzo(k)fluoranthene	15.157	252	1244451	140.04	ng	# 98
90) Benzo(a)pyrene	15.527	252	623858	74.01	ng	# 97
91) Dibenzo(a,h)anthracene	16.892	278	67558	8.24	ng	98
92) Benzo(g,h,i)perylene	17.556	276	233474	28.40	ng	# 95

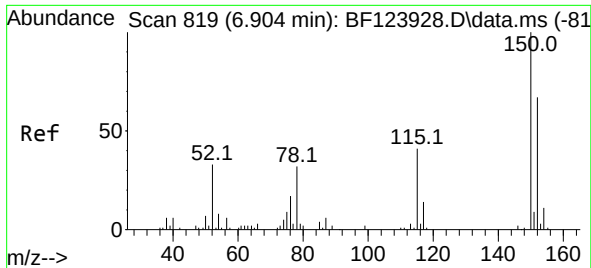
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
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Quant Time: May 20 14:23:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

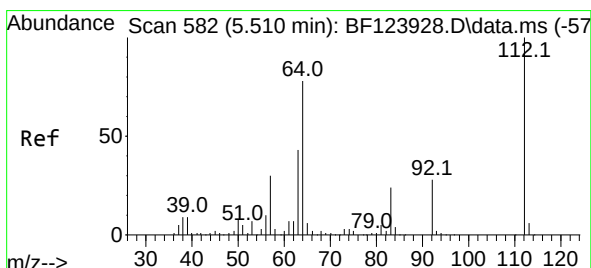
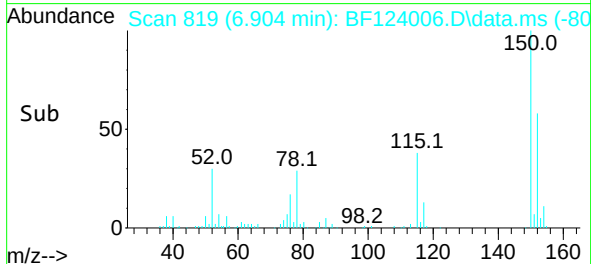
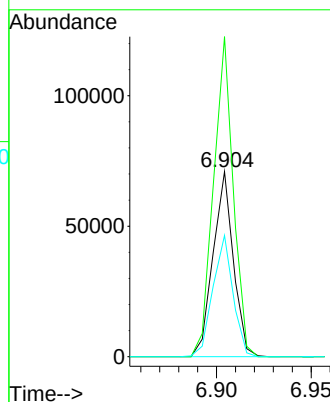
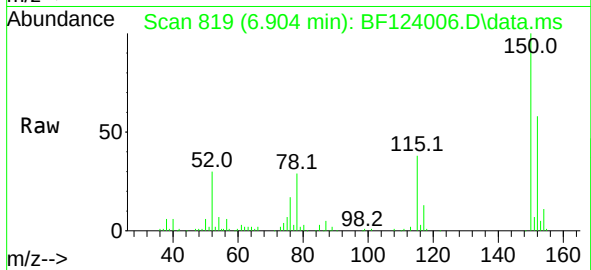




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

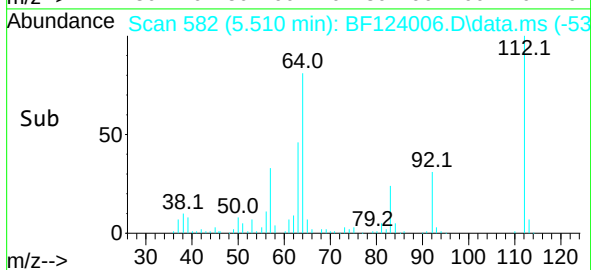
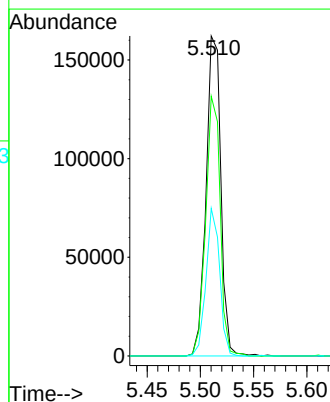
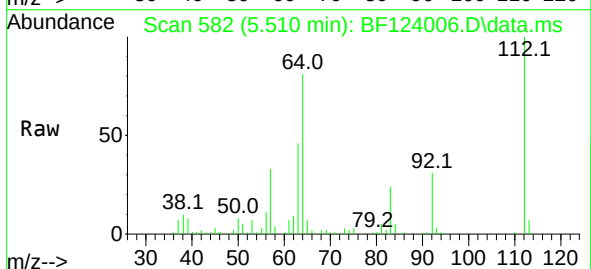
Instrument :
BNA_F
ClientSampled :
TP-4

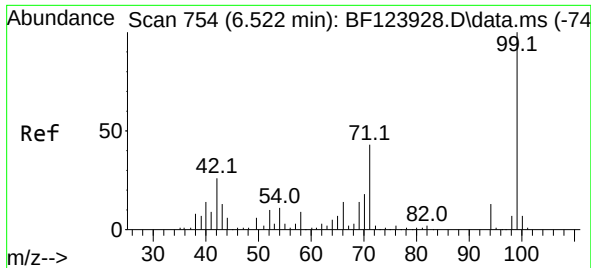
Tgt Ion:152 Resp: 52945
Ion Ratio Lower Upper
152 100
150 172.8 127.0 190.6
115 65.5 54.3 81.5



#5
2-Fluorophenol
Concen: 41.65 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:112 Resp: 157064
Ion Ratio Lower Upper
112 100
64 81.2 61.4 92.0
63 46.1 33.0 49.4

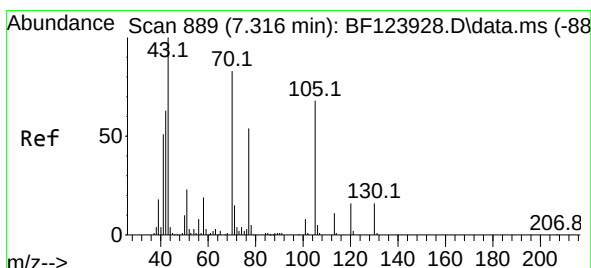
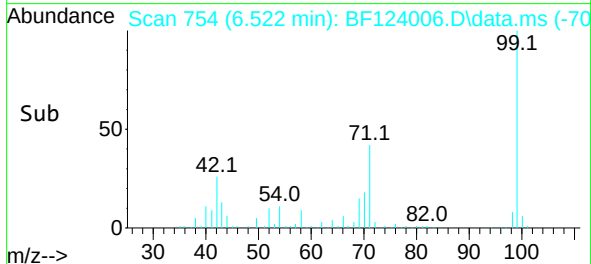
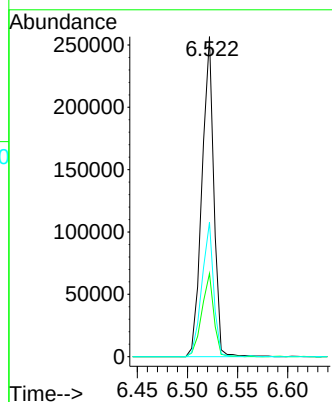
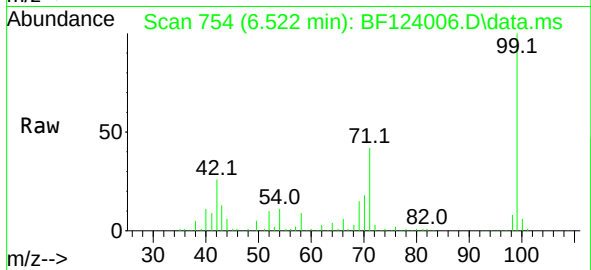




#7
Phenol-d6
Concen: 43.38 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

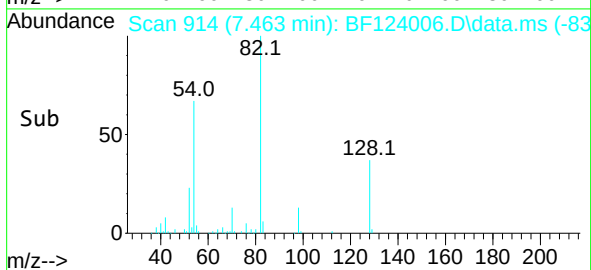
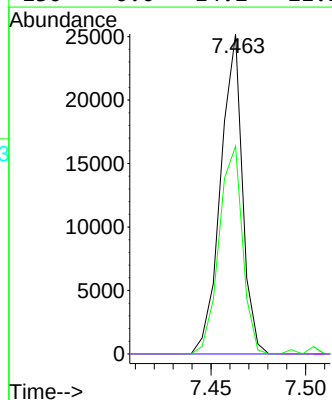
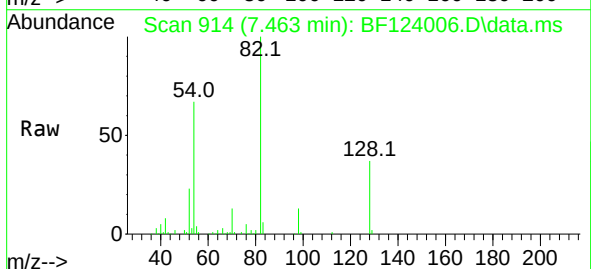
Instrument :
BNA_F
ClientSampled :
TP-4

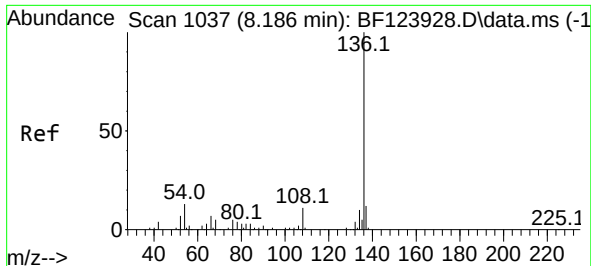
Tgt Ion: 99 Resp: 212198
Ion Ratio Lower Upper
99 100
42 26.0 19.8 29.8
71 42.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.10 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion: 70 Resp: 20168
Ion Ratio Lower Upper
70 100
42 65.0 60.1 90.1
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

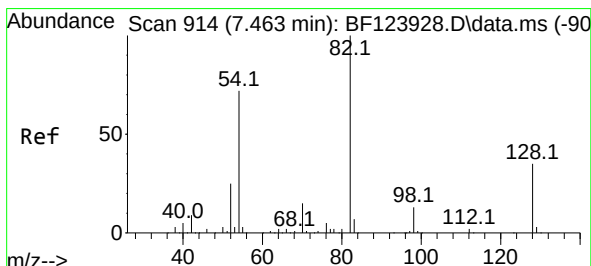
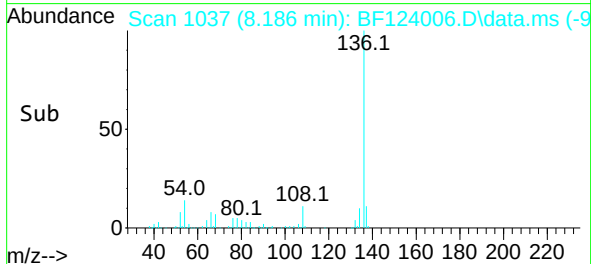
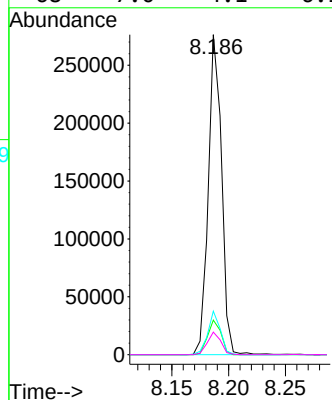
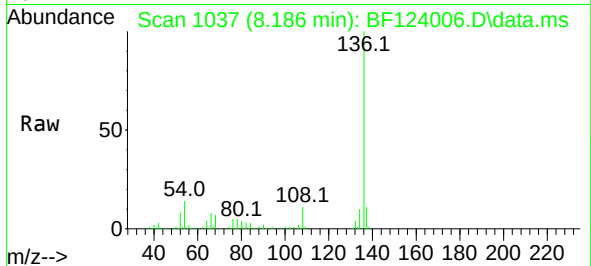




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

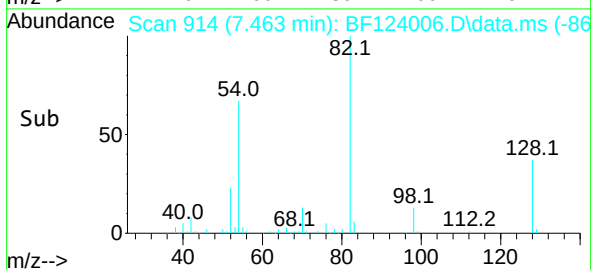
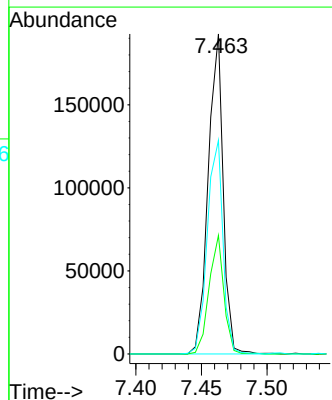
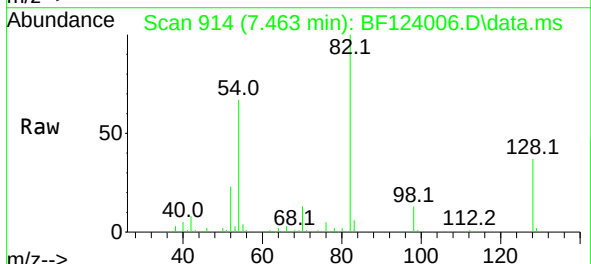
Instrument :
BNA_F
ClientSampled :
TP-4

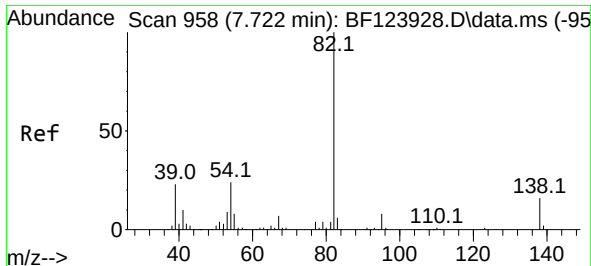
Tgt Ion:136 Resp: 224126
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 13.6 9.8 14.6
68 7.0 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 29.45 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion: 82 Resp: 153220
Ion Ratio Lower Upper
82 100
128 37.1 29.4 44.2
54 66.8 54.1 81.1

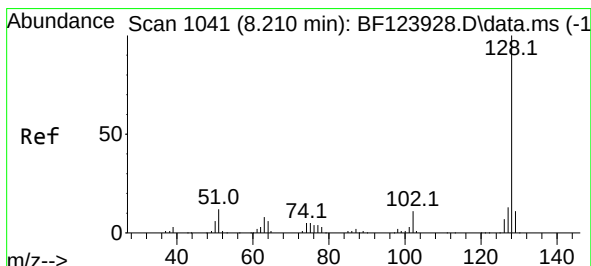
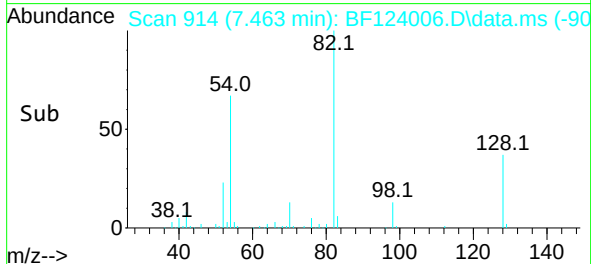
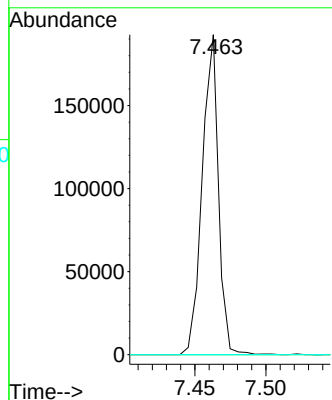
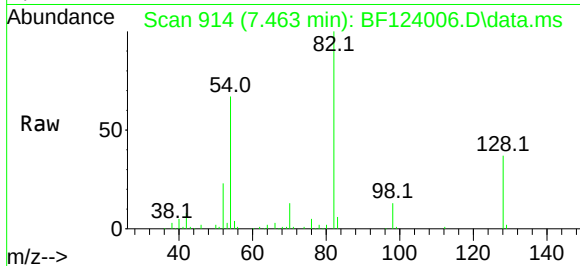




#25
Isophorone
Concen: 15.31 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

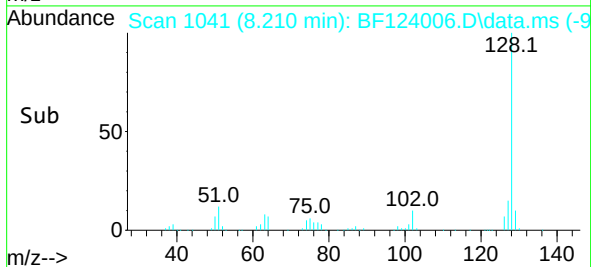
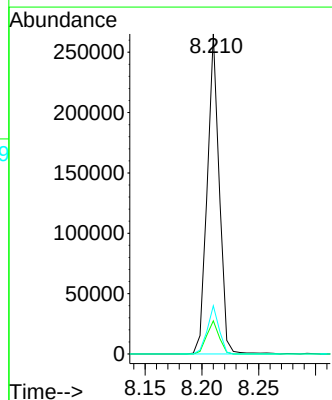
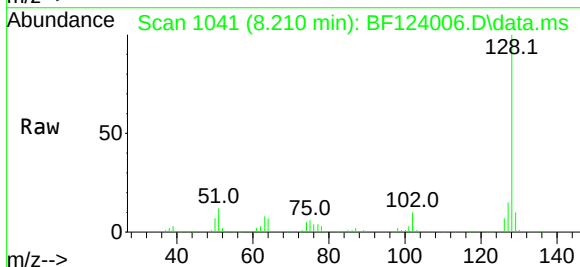
Instrument :
BNA_F
ClientSampleId :
TP-4

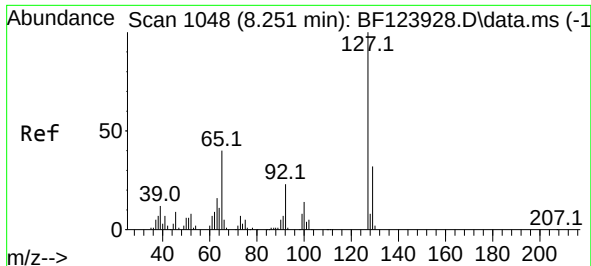
Tgt Ion: 82 Resp: 153217
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 14.67 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion: 128 Resp: 194586
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 15.1 10.8 16.2

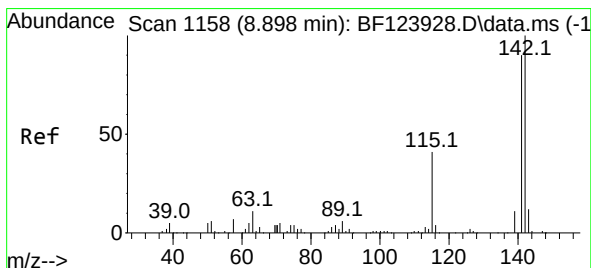
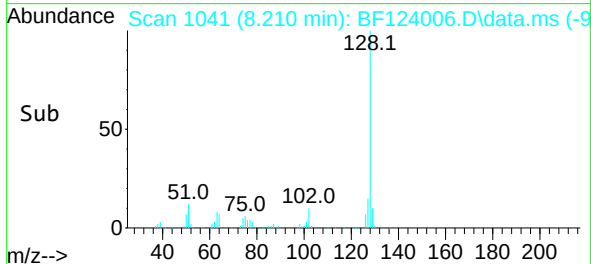
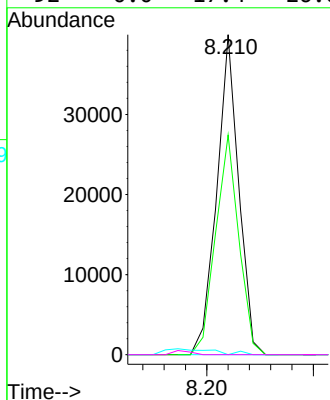
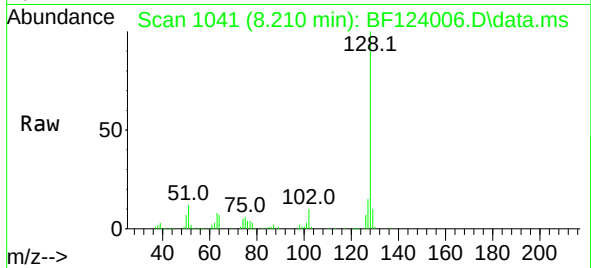




#33
4-Chloroaniline
Concen: 5.66 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.041 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

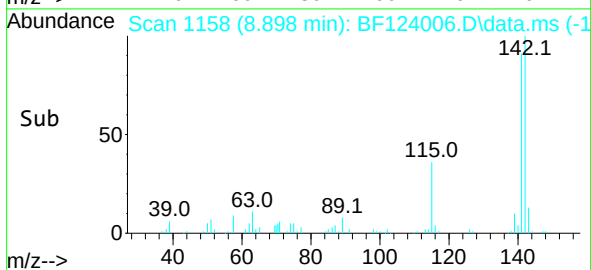
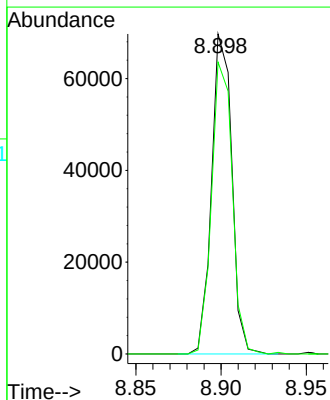
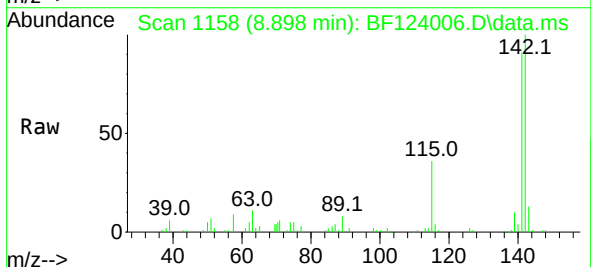
Instrument :
BNA_F
ClientSampled :
TP-4

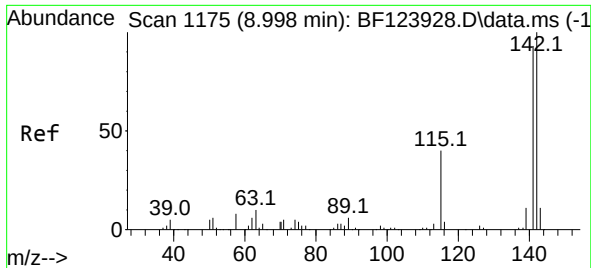
Tgt Ion:127	Resp:	28578
Ion Ratio	Lower	Upper
127	100	
129	68.6	25.7 38.5#
65	0.0	34.5 51.7#
92	0.0	17.4 26.0#



#37
2-Methylnaphthalene
Concen: 6.40 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:142	Resp:	57494
Ion Ratio	Lower	Upper
142	100	
141	91.2	71.8 107.6

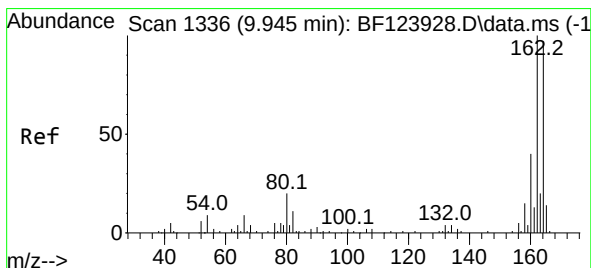
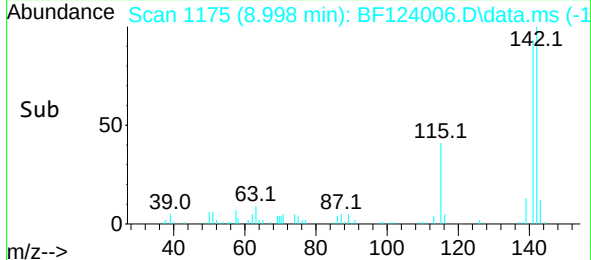
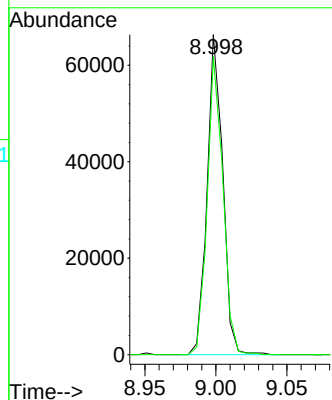
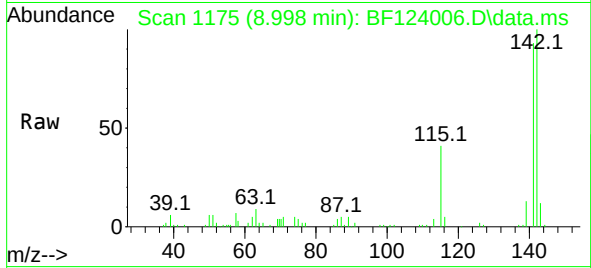




#38
1-Methylnaphthalene
Concen: 6.07 ng
RT: 8.998 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

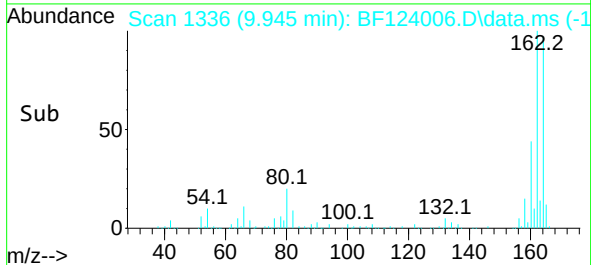
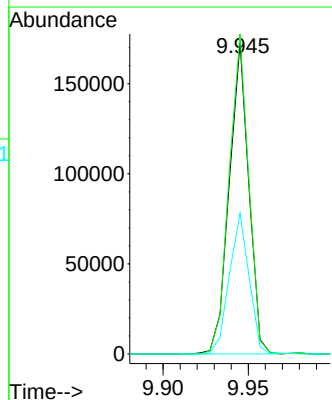
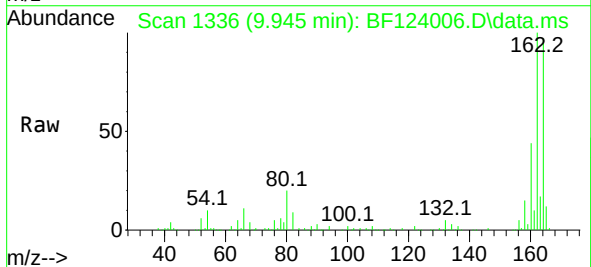
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BNA_F
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TP-4

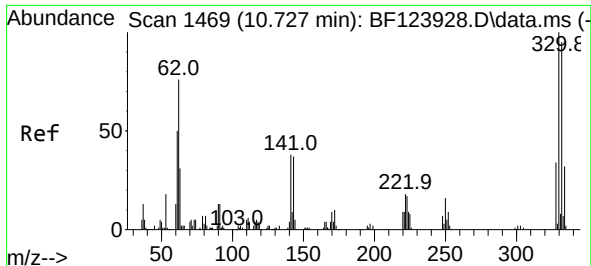
Tgt Ion:142 Resp: 50882
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

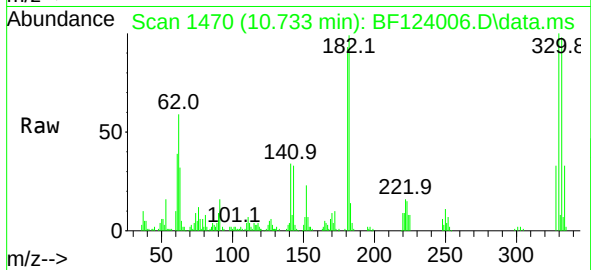
Tgt Ion:164 Resp: 137801
Ion Ratio Lower Upper
164 100
162 102.8 80.7 121.1
160 45.2 37.3 55.9



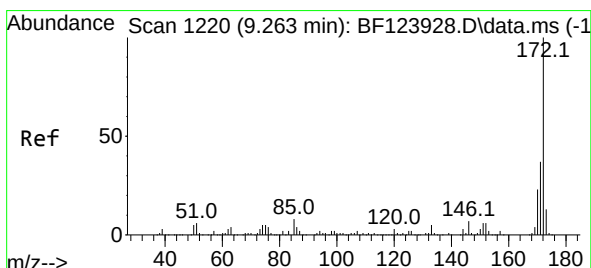
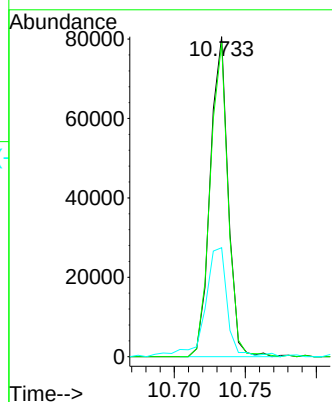
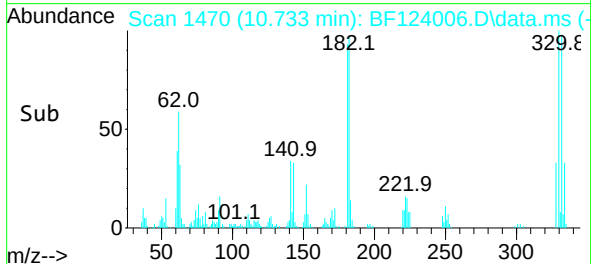


#42
2,4,6-Tribromophenol
Concen: 42.60 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

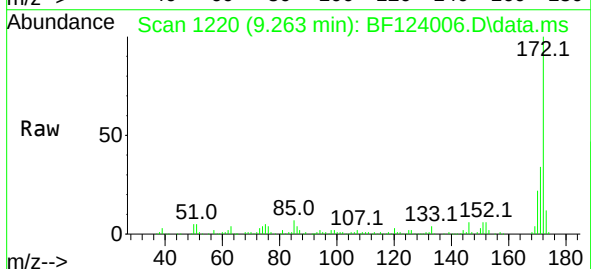
Instrument :
BNA_F
ClientSampled :
TP-4



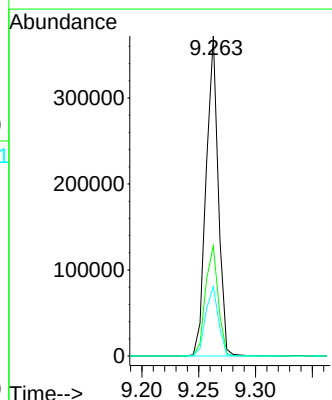
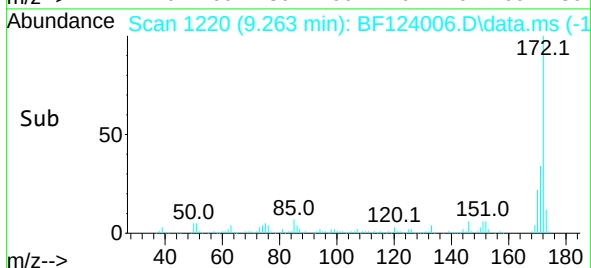
Tgt Ion: 330 Resp: 70500
Ion Ratio Lower Upper
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332 98.3 77.1 115.7
141 43.2 27.9 41.9#

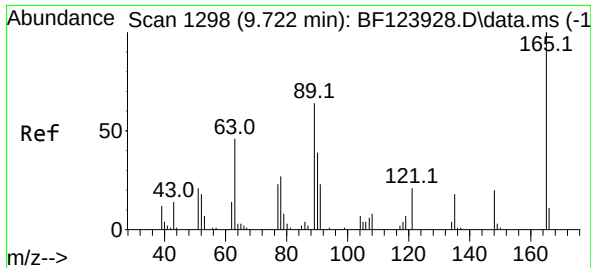


#45
2-Fluorobiphenyl
Concen: 24.64 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31



Tgt Ion: 172 Resp: 275865
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 21.6 19.2 28.8

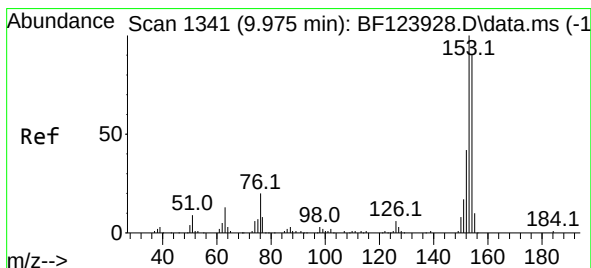
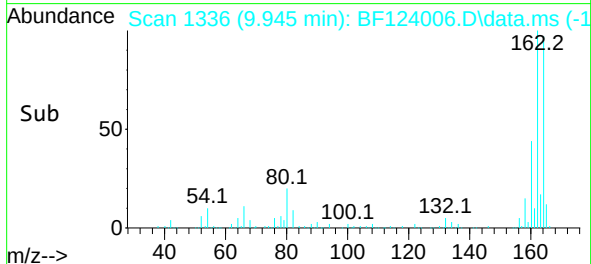
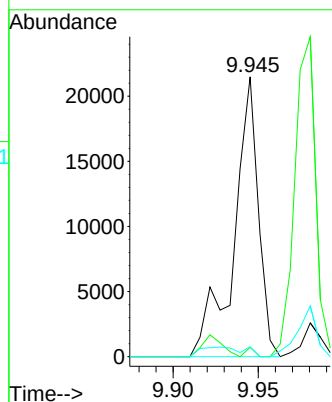
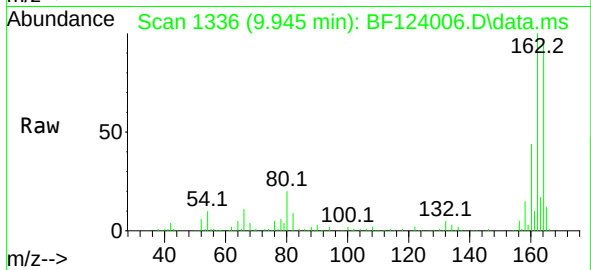




#51
2,6-Dinitrotoluene
Concen: 9.66 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.224 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

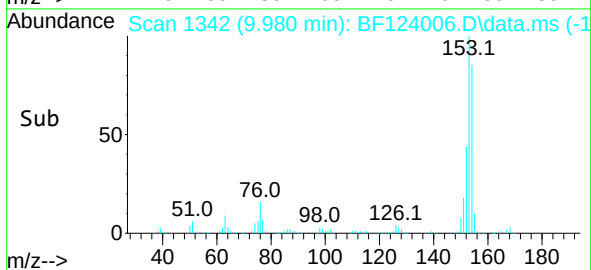
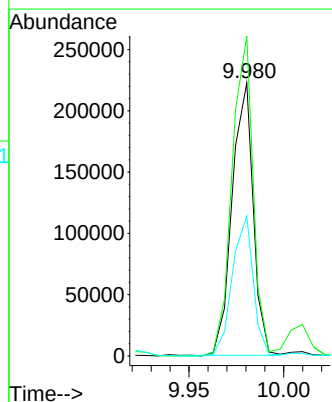
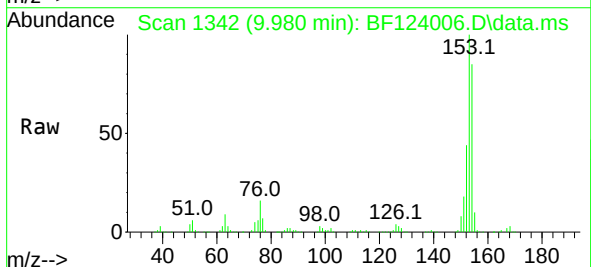
Instrument :
BNA_F
ClientSampled :
TP-4

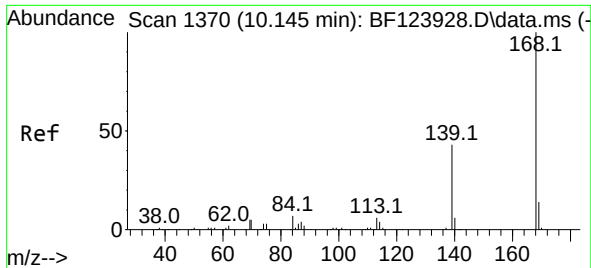
Tgt Ion:165 Resp: 21504
Ion Ratio Lower Upper
165 100
63 3.3 67.7 101.5#
89 3.5 58.8 88.2#



#52
Acenaphthene
Concen: 17.59 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:154 Resp: 171547
Ion Ratio Lower Upper
154 100
153 117.1 88.1 132.1
152 51.2 43.4 65.0

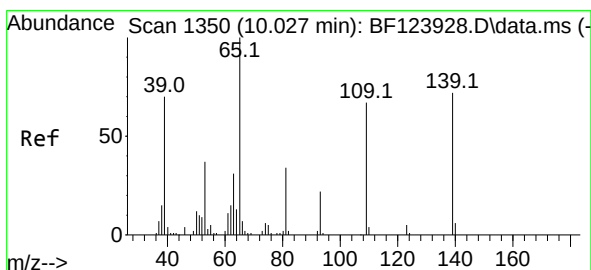
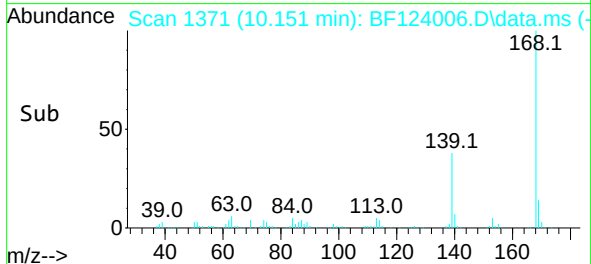
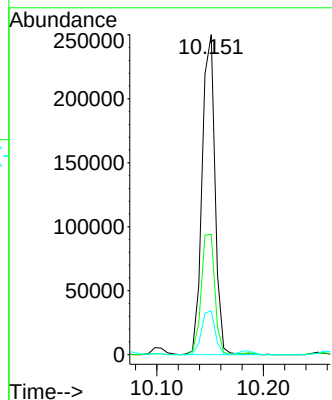
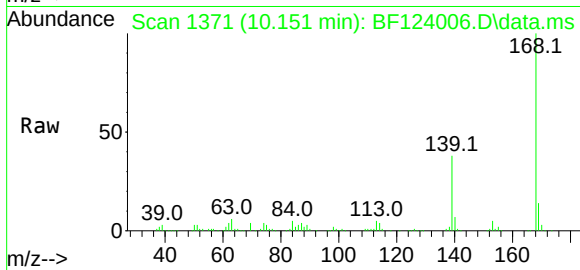




#55
Dibenzofuran
Concen: 15.11 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

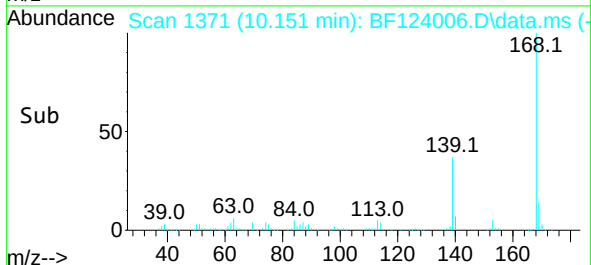
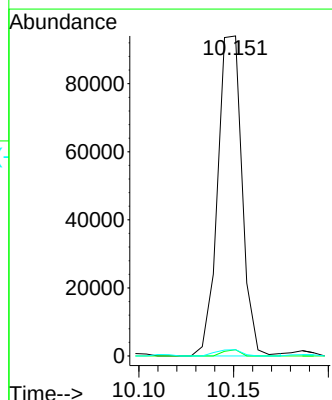
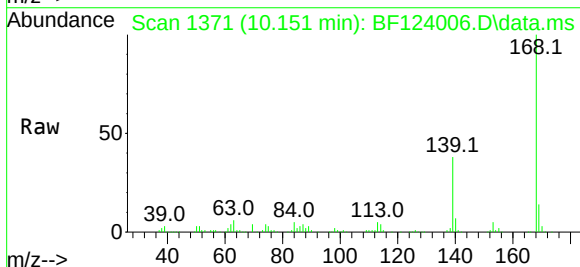
Instrument :
BNA_F
ClientSampleId :
TP-4

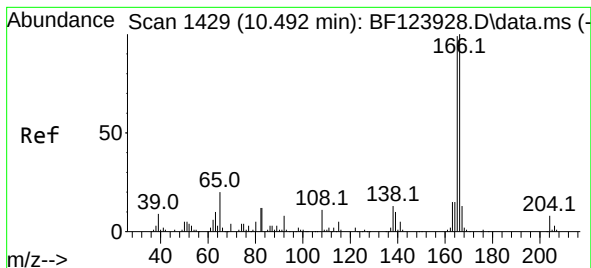
Tgt Ion:168 Resp: 211554
Ion Ratio Lower Upper
168 100
139 37.6 33.2 49.8
169 13.8 10.8 16.2



#56
4-Nitrophenol
Concen: 46.06 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.124 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:139 Resp: 84257
Ion Ratio Lower Upper
139 100
109 1.9 63.2 103.2#
65 1.9 110.0 150.0#





#58

Fluorene

Concen: 20.31 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.000 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

Tgt Ion:166 Resp: 214335

Ion Ratio Lower Upper

166 100

165 99.7 73.5 110.3

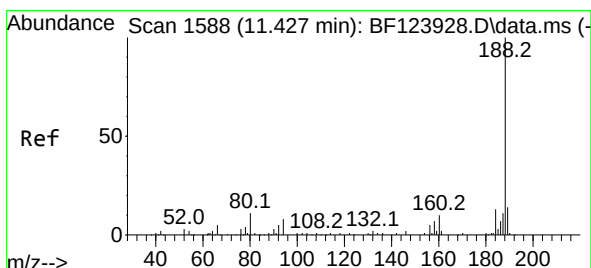
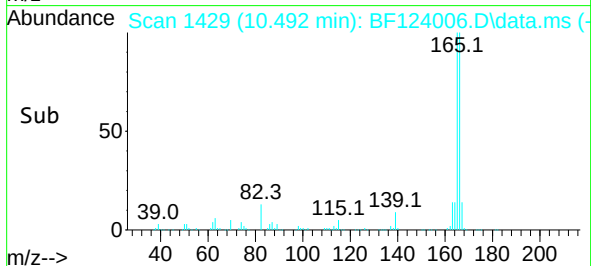
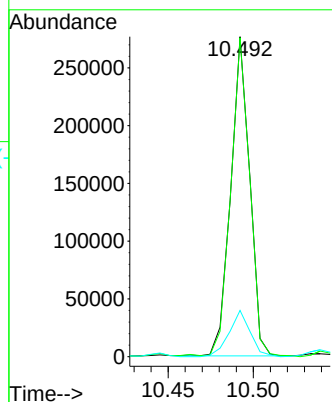
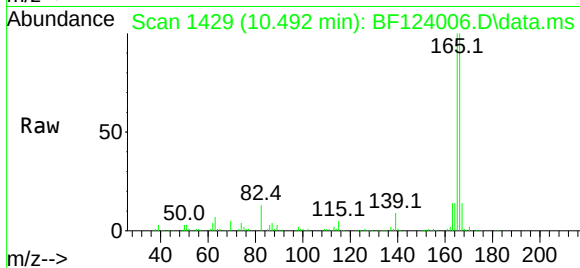
167 14.5 10.7 16.1

Instrument :

BNA_F

ClientSampled :

TP-4



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.012 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

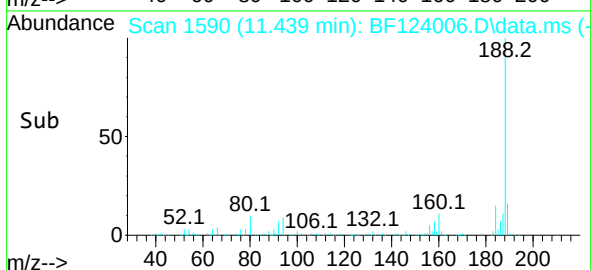
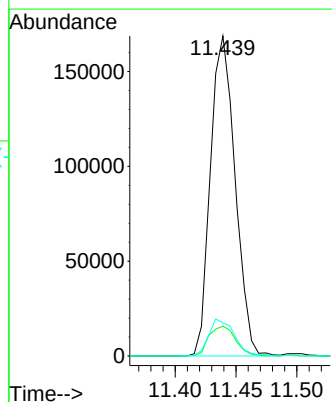
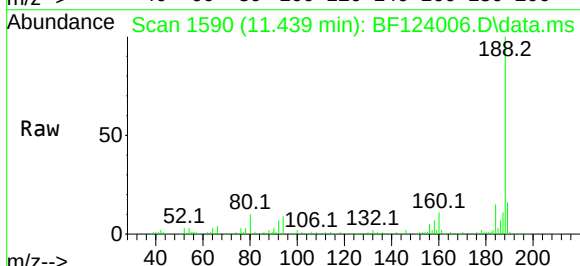
Tgt Ion:188 Resp: 238483

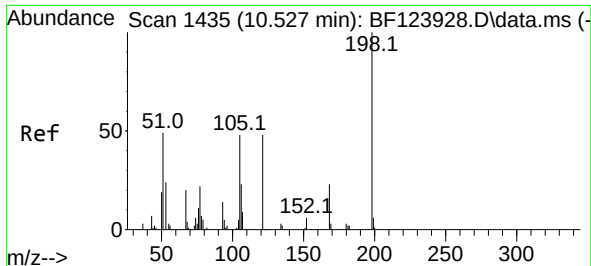
Ion Ratio Lower Upper

188 100

94 9.3 6.9 10.3

80 10.3 8.2 12.2

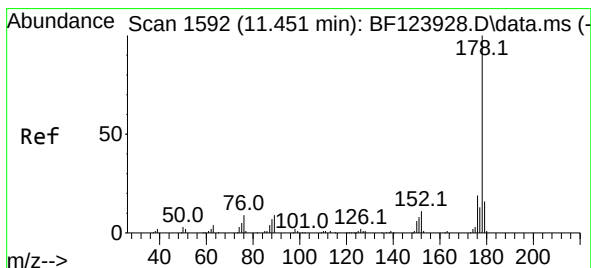
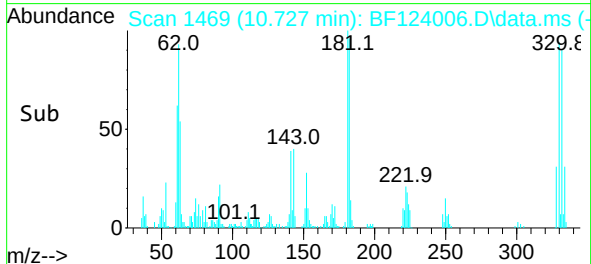
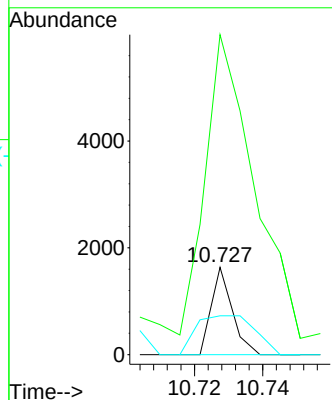
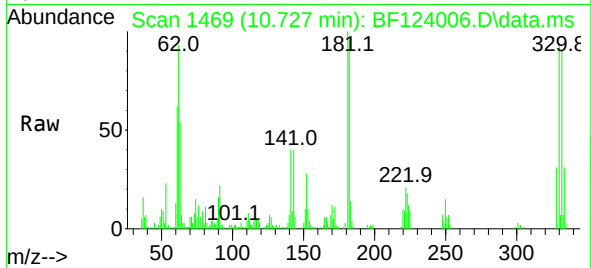




#65
4,6-Dinitro-2-methylphenol
Concen: 5.84 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.200 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

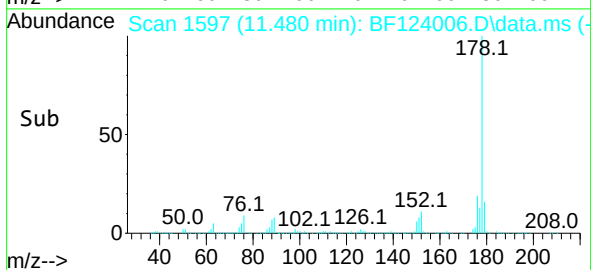
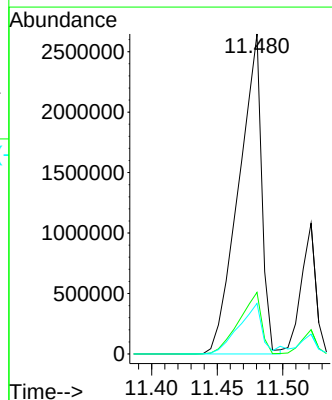
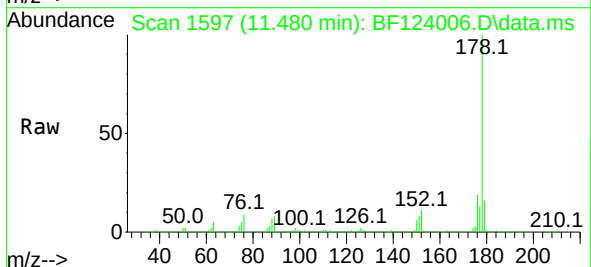
Instrument :
BNA_F
ClientSampled :
TP-4

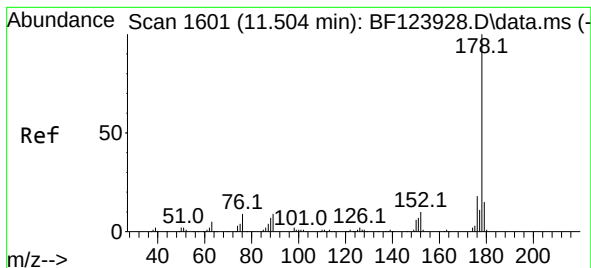
Tgt Ion:198 Resp: 696
Ion Ratio Lower Upper
198 100
51 366.2 64.8 104.8#
105 44.4 42.6 82.6



#71
Phenanthrene
Concen: 212.54 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.029 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:178 Resp: 3212404
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.8 12.5 18.7





#72

Anthracene

Concen: 55.49 ng

RT: 11.522 min Scan# 1604

Delta R.T. 0.018 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

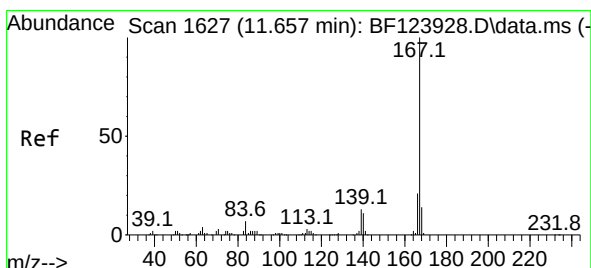
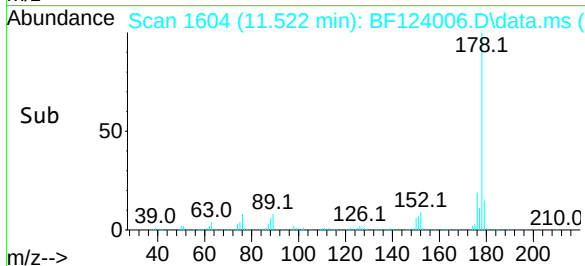
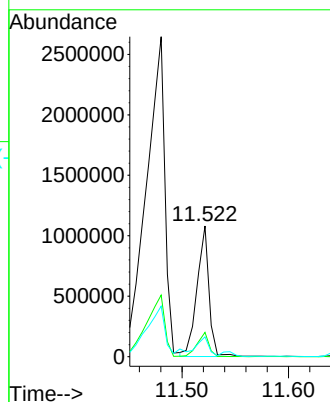
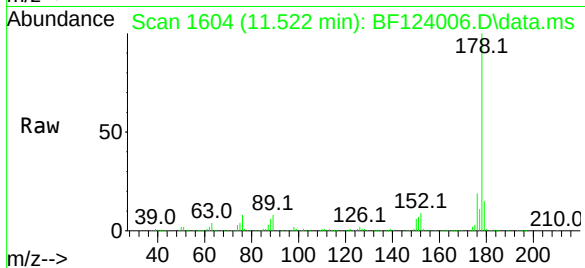
Tgt Ion:178 Resp: 849832

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.2 12.6 18.8



#73

Carbazole

Concen: 22.67 ng

RT: 11.663 min Scan# 1628

Delta R.T. 0.006 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

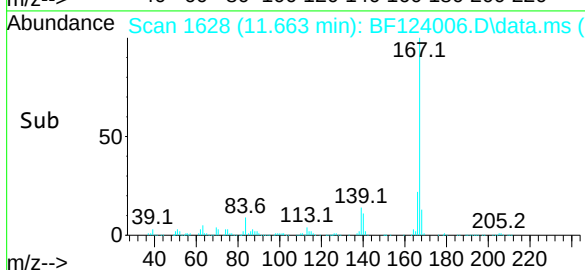
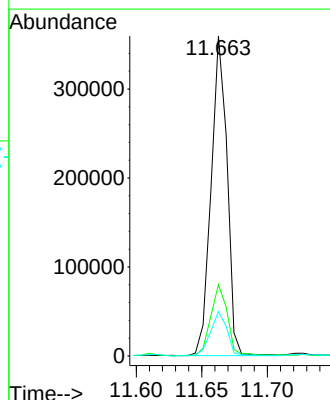
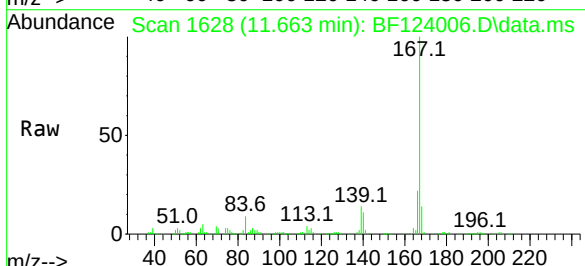
Tgt Ion:167 Resp: 303739

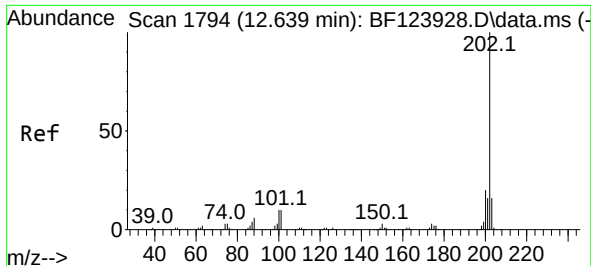
Ion Ratio Lower Upper

167 100

166 22.4 17.0 25.6

139 13.9 10.4 15.6

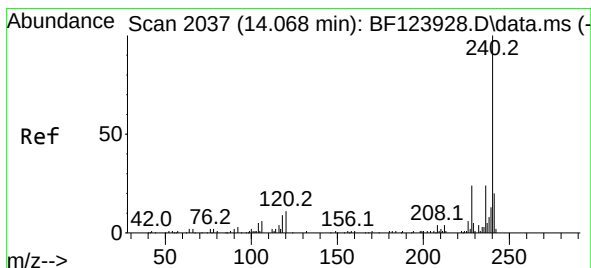
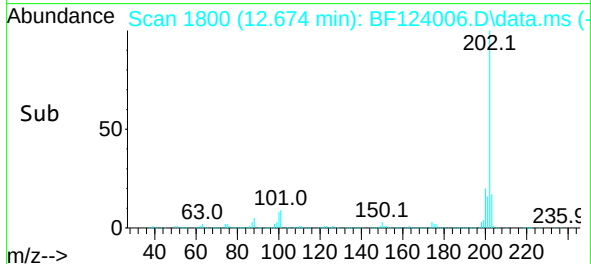
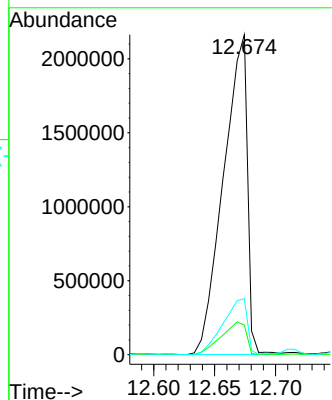
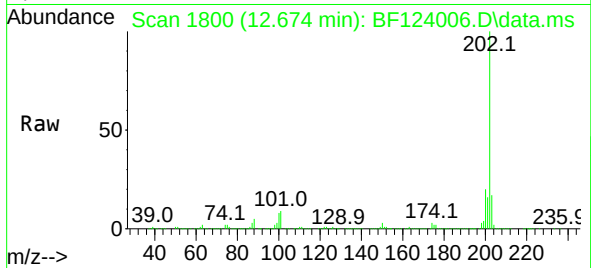




#75
Fluoranthene
Concen: 188.07 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

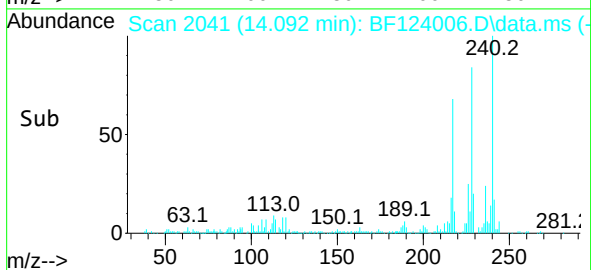
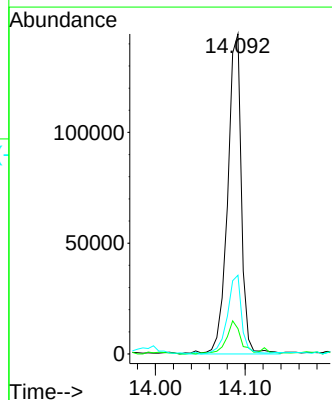
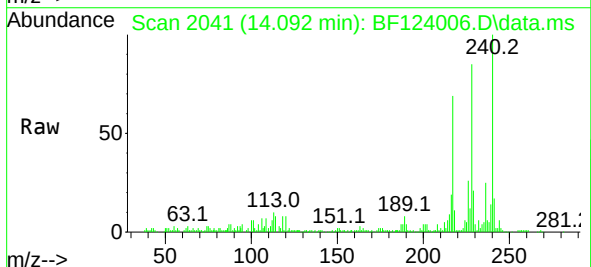
Instrument :
BNA_F
ClientSampled :
TP-4

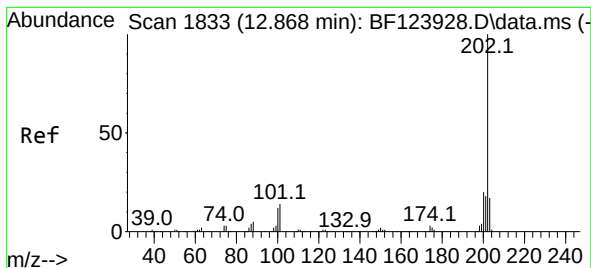
Tgt Ion:202 Resp: 2943330
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:240 Resp: 153968
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 24.6 19.0 28.4





#78

Pyrene

Concen: 170.52 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.035 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

Tgt Ion:202 Resp: 2330838

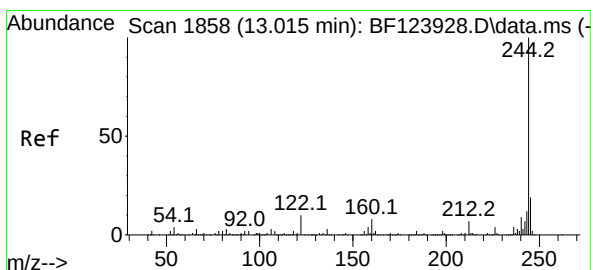
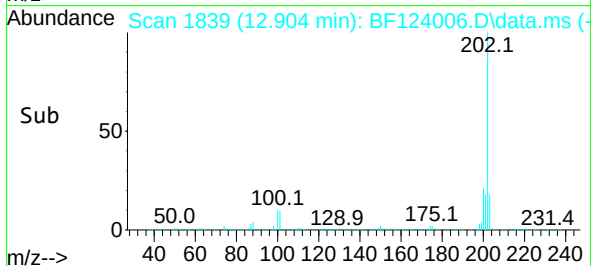
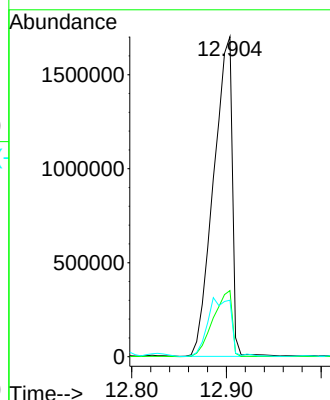
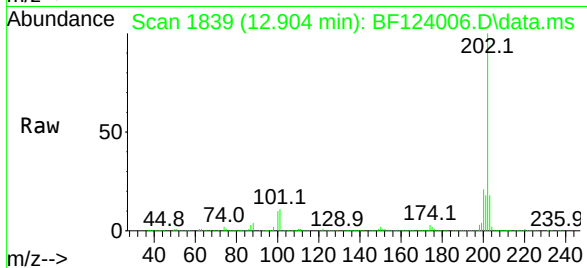
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.1	24.1
203	17.7	14.8	22.2

Instrument :

BNA_F

ClientSampled :

TP-4



#79

Terphenyl-d14

Concen: 23.87 ng

RT: 13.021 min Scan# 1859

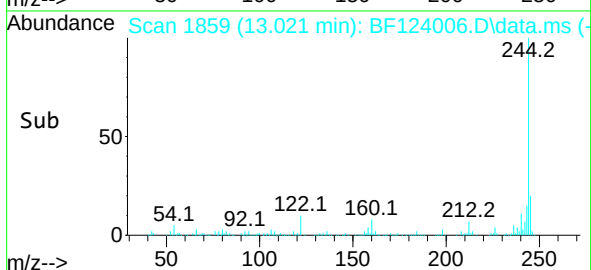
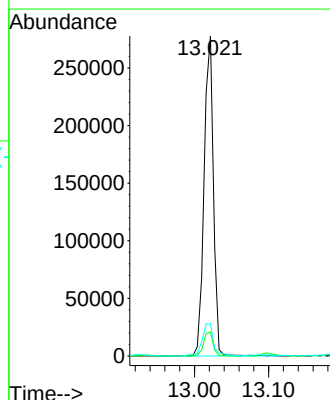
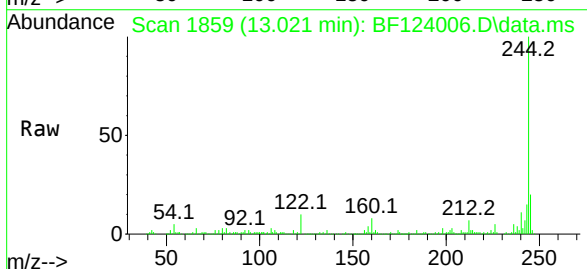
Delta R.T. 0.006 min

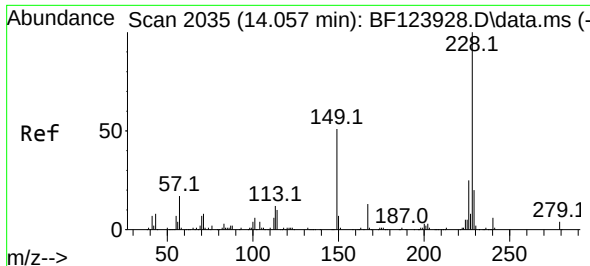
Lab File: BF124006.D

Acq: 20 May 2021 13:31

Tgt Ion:244 Resp: 242637

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	10.1	9.7	14.5

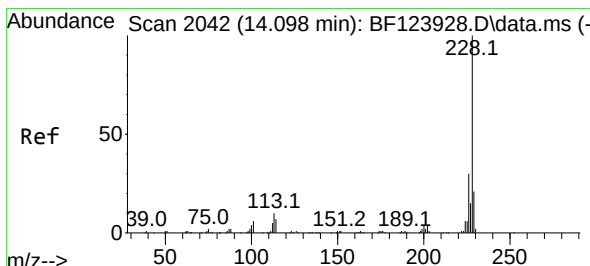
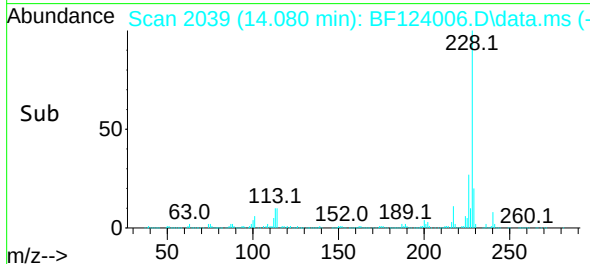
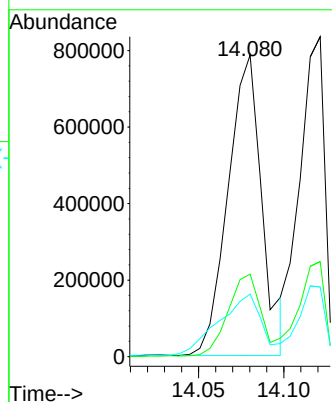
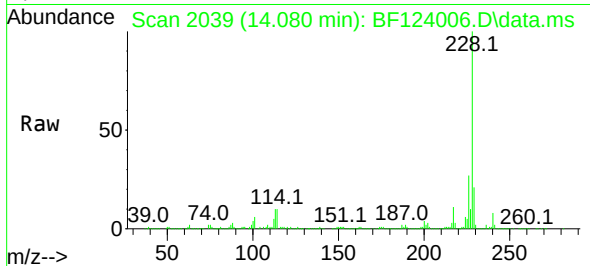




#81
Benzo(a)anthracene
Concen: 97.24 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

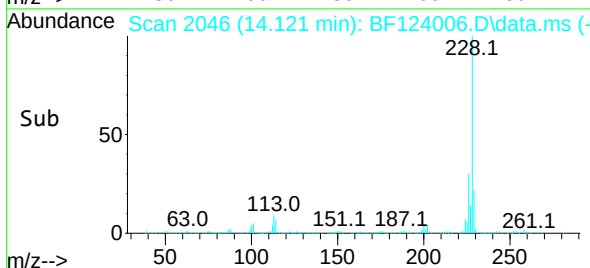
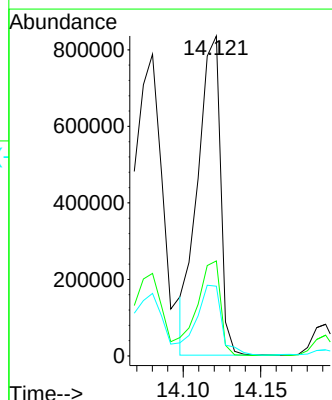
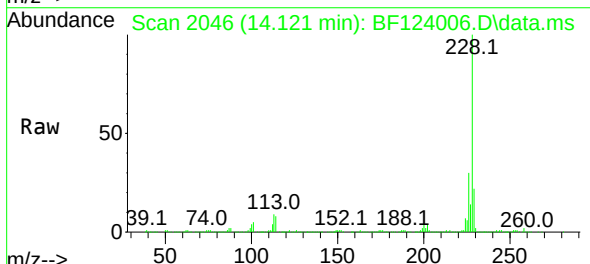
Instrument :
BNA_F
ClientSampled :
TP-4

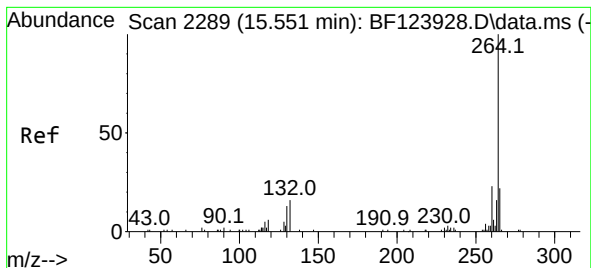
Tgt Ion:228 Resp: 1082835
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 20.7 16.0 24.0



#83
Chrysene
Concen: 79.76 ng
RT: 14.121 min Scan# 2046
Delta R.T. 0.024 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:228 Resp: 854260
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.8 16.2 24.2

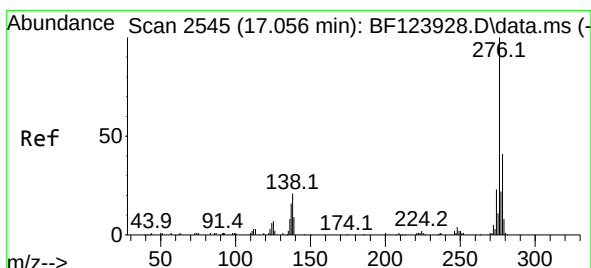
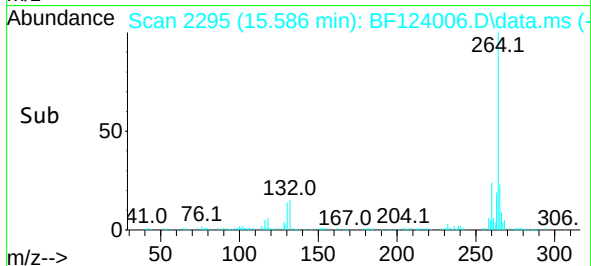
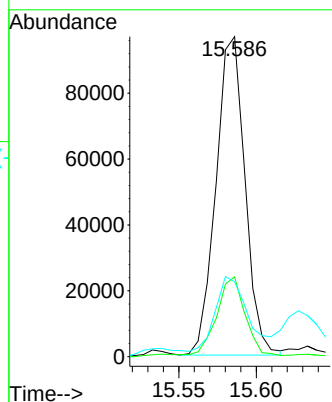
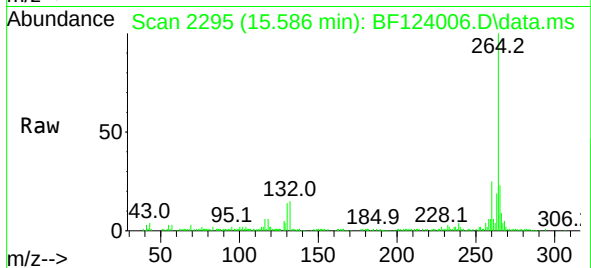




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.035 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

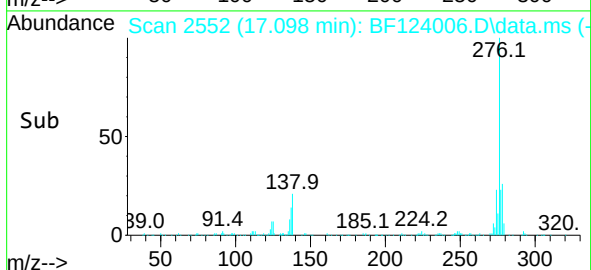
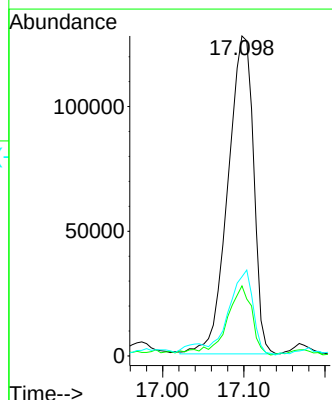
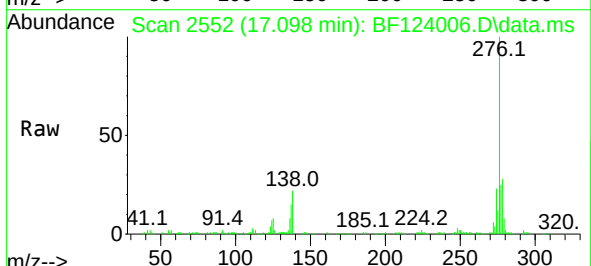
Instrument :
BNA_F
ClientSampled :
TP-4

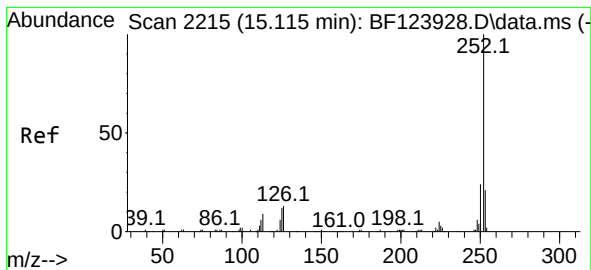
Tgt Ion:264 Resp: 126054
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 23.4 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 28.74 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.041 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:276 Resp: 279738
Ion Ratio Lower Upper
276 100
138 21.7 16.2 24.2
277 24.7 20.1 30.1

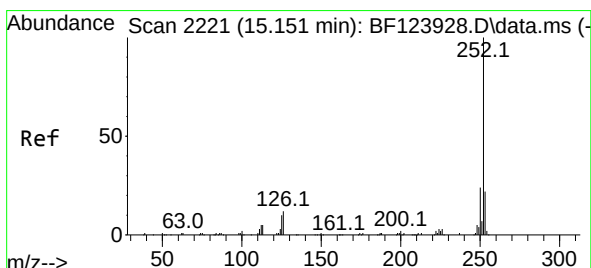
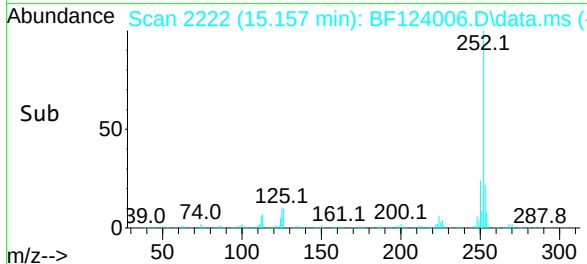
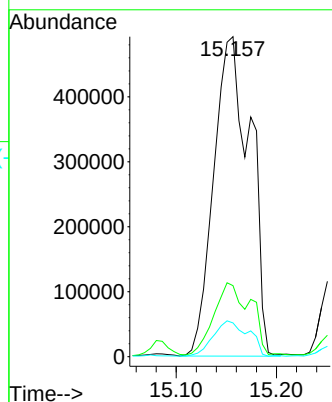
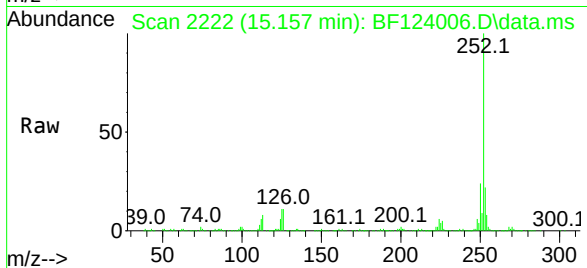




#88
Benzo(b)fluoranthene
Concen: 127.62 ng
RT: 15.157 min Scan# 2222
Delta R.T. 0.041 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

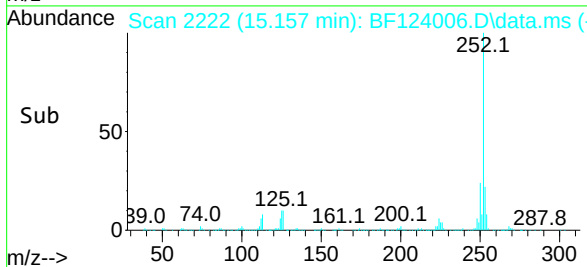
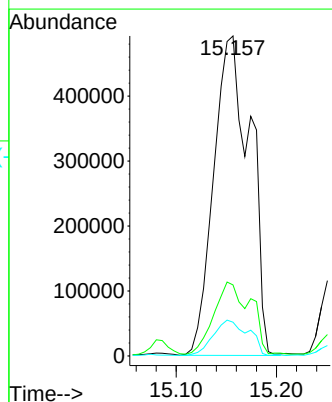
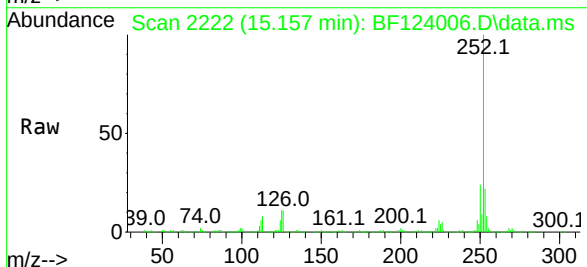
Instrument :
BNA_F
ClientSampled :
TP-4

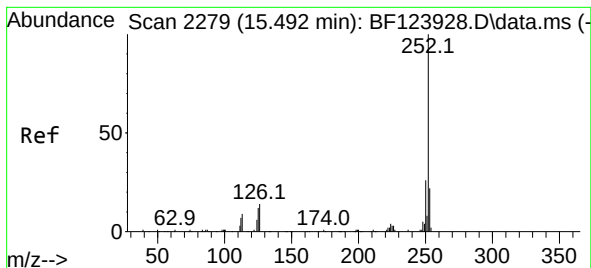
Tgt Ion:252 Resp: 1244451
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 10.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 140.04 ng
RT: 15.157 min Scan# 2222
Delta R.T. 0.006 min
Lab File: BF124006.D
Acq: 20 May 2021 13:31

Tgt Ion:252 Resp: 1244451
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 10.6 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 74.01 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.035 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

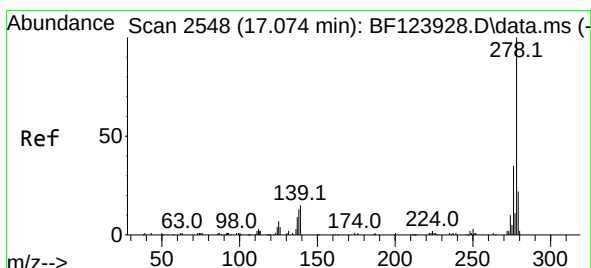
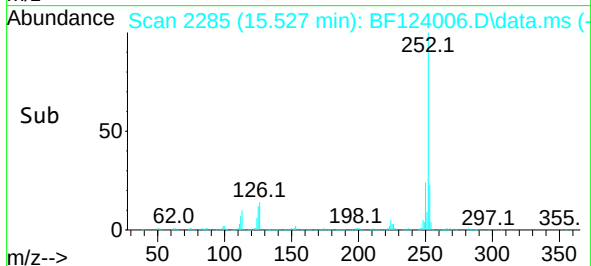
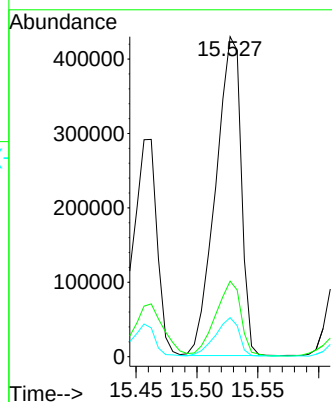
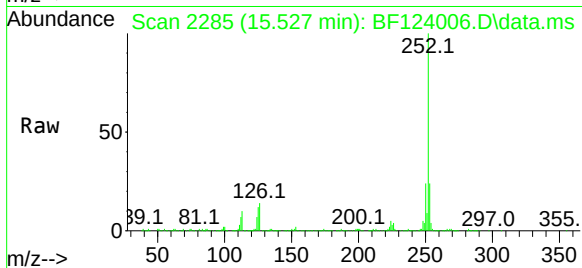
Tgt Ion:252 Resp: 623858

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

125 12.2 8.0 12.0#



#91

Dibenzo(a,h)anthracene

Concen: 8.24 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.182 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

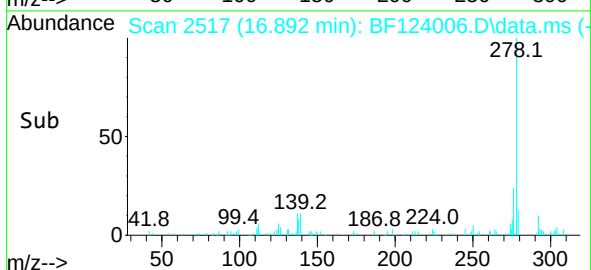
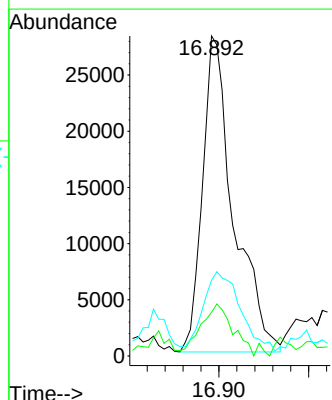
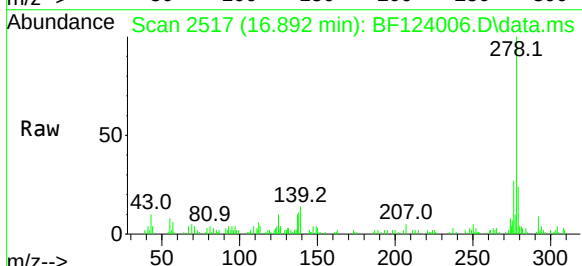
Tgt Ion:278 Resp: 67558

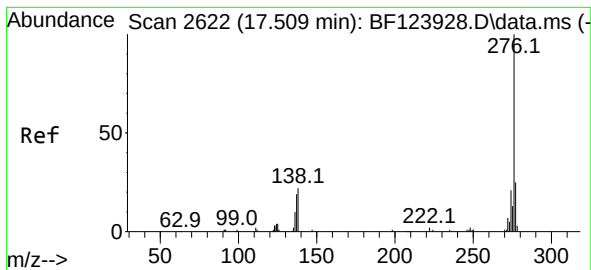
Ion Ratio Lower Upper

278 100

139 13.7 10.2 15.2

279 23.6 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 28.40 ng

RT: 17.556 min Scan# 2630

Delta R.T. 0.047 min

Lab File: BF124006.D

Acq: 20 May 2021 13:31

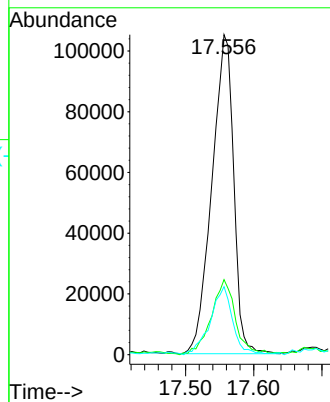
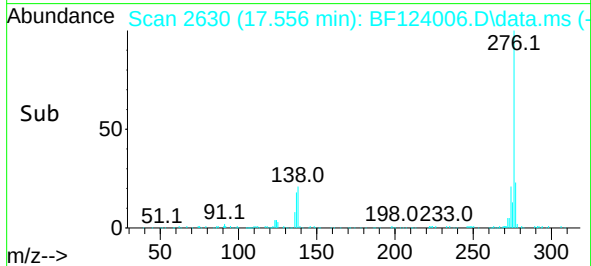
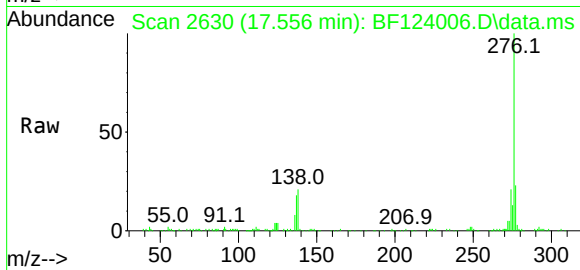
Tgt Ion:276 Resp: 233474

Ion Ratio Lower Upper

276 100

277 23.5 18.2 27.2

138 21.3 13.8 20.6#



Instrument :

BNA_F

ClientSampleId :

TP-4