

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124012.D
 Acq On : 20 May 2021 16:44
 Operator : JU/CG
 Sample : M2457-02DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Quant Time: May 20 17:07:58 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)

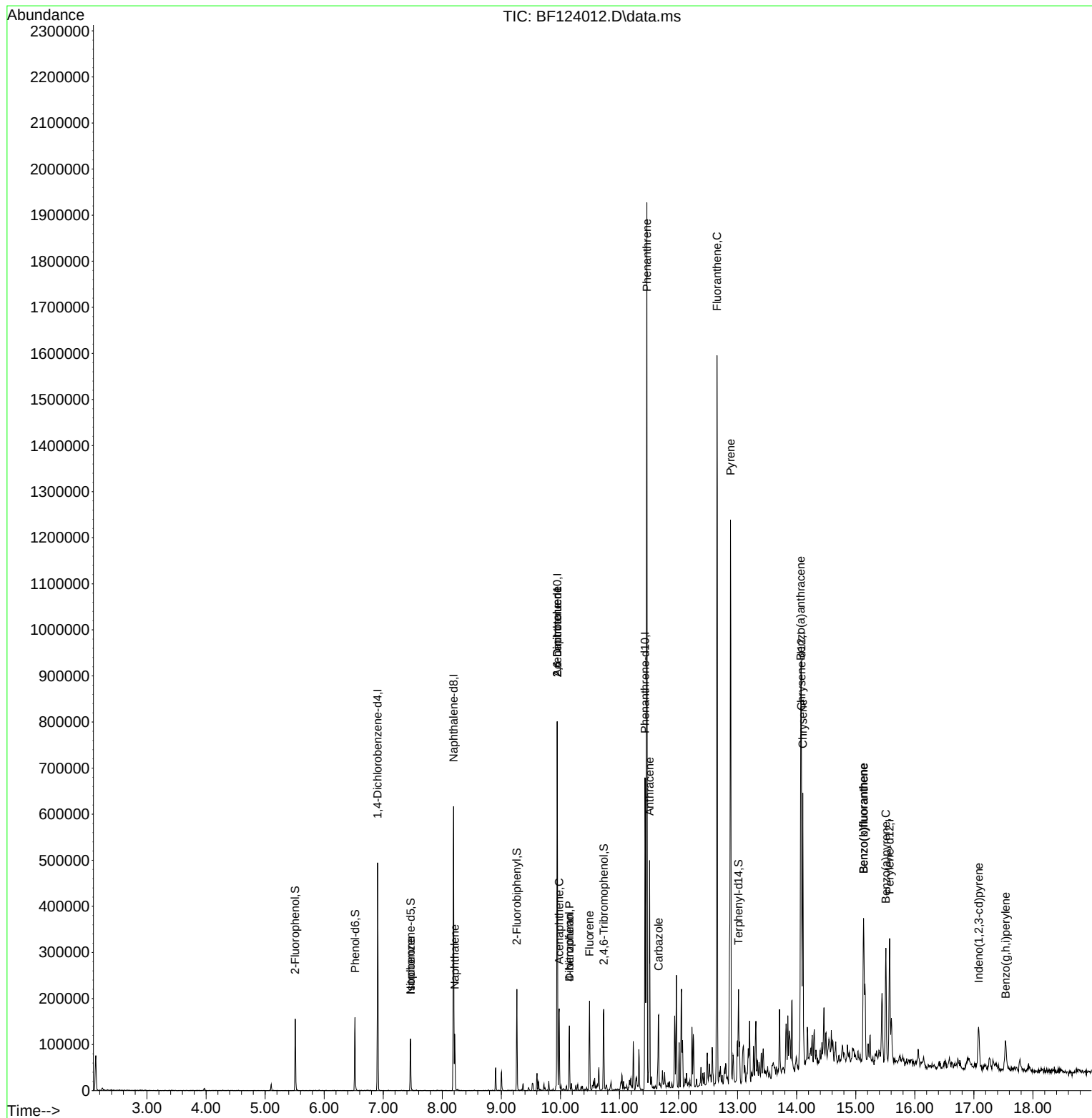
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	56426	20.00	ng	0.00
21) Naphthalene-d8	8.192	136	228123	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	139217	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	233317	20.00	ng	0.00
76) Chrysene-d12	14.080	240	169735	20.00	ng	0.01
86) Perylene-d12	15.574	264	106714	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	30527	7.60	ng	0.00
7) Phenol-d6	6.522	99	39080	7.50	ng	0.00
23) Nitrobenzene-d5	7.463	82	31804	6.01	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	12936	7.74	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	54339	4.80	ng	0.00
79) Terphenyl-d14	13.015	244	48867	4.36	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.463	82	31804	3.12	ng	# 69
31) Naphthalene	8.210	128	39784	2.95	ng	96
51) 2,6-Dinitrotoluene	9.945	165	18558	8.26	ng	# 12
52) Acenaphthene	9.980	154	32879	3.34	ng	96
55) Dibenzofuran	10.151	168	41566	2.94	ng	95
56) 4-Nitrophenol	10.151	139	16718	9.05	ng	# 1
57) 2,4-Dinitrotoluene	9.945	165	18558	6.73	ng	# 18
58) Fluorene	10.492	166	39864	3.74	ng	94
71) Phenanthrene	11.463	178	614569	41.56	ng	99
72) Anthracene	11.510	178	158105	10.55	ng	97
73) Carbazole	11.663	167	55927	4.27	ng	# 95
75) Fluoranthene	12.651	202	606606	39.62	ng	98
78) Pyrene	12.880	202	478384	31.75	ng	99
81) Benzo(a)anthracene	14.068	228	229220	18.67	ng	97
83) Chrysene	14.104	228	182448	15.45	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	52993	6.43	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	218070	26.42	ng	# 95
89) Benzo(k)fluoranthene	15.133	252	218070	28.99	ng	# 96
90) Benzo(a)pyrene	15.509	252	107041	15.00	ng	97
92) Benzo(g,h,i)perylene	17.539	276	49107	7.06	ng	94

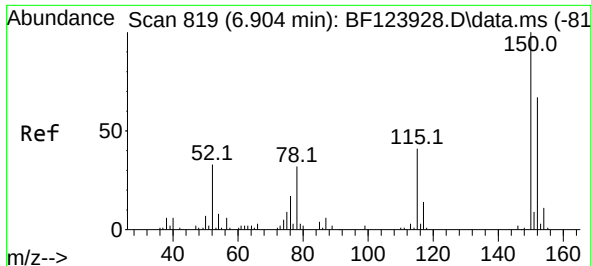
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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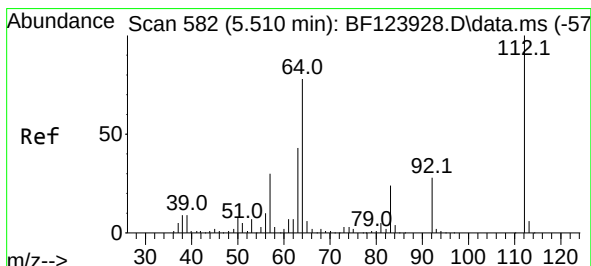
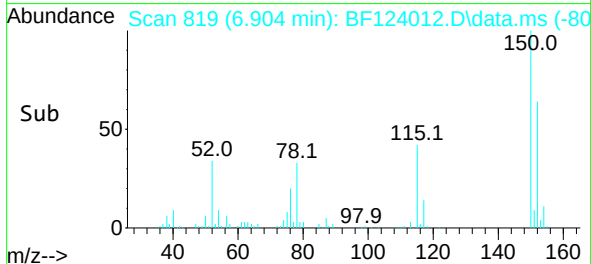
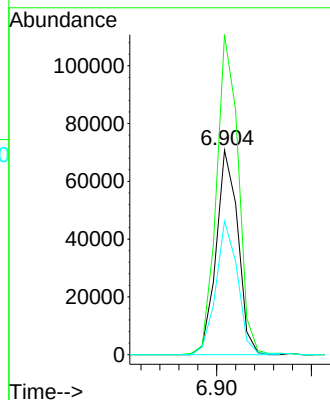
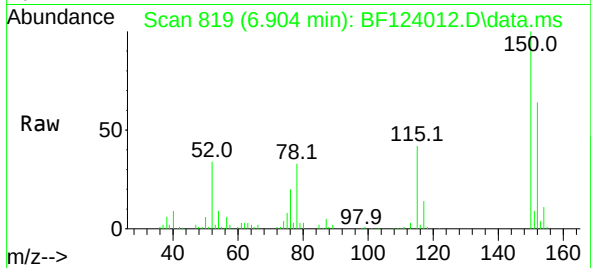




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

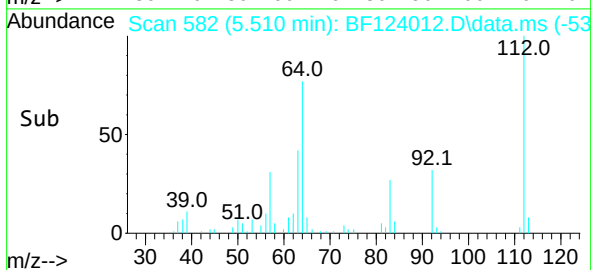
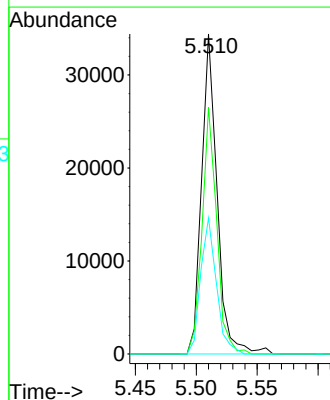
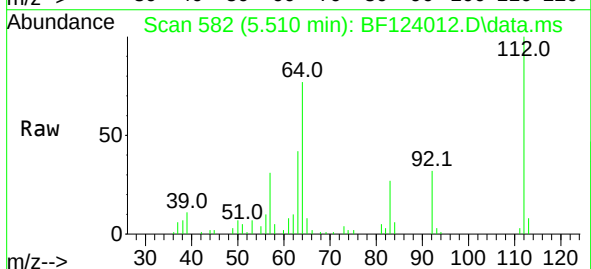
Instrument :
BNA_F
ClientSampleId :
TP-4DL

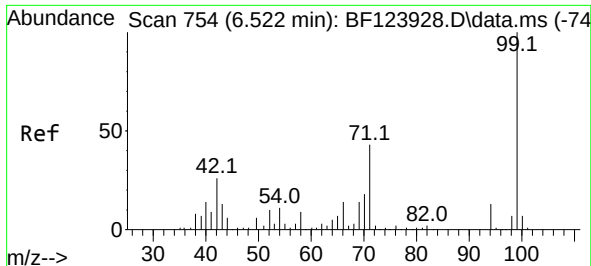
Tgt Ion:152 Resp: 56426
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 65.4 54.3 81.5



#5
2-Fluorophenol
Concen: 7.60 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:112 Resp: 30527
Ion Ratio Lower Upper
112 100
64 77.0 61.4 92.0
63 42.5 33.0 49.4

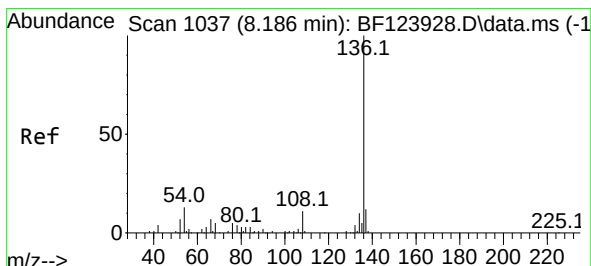
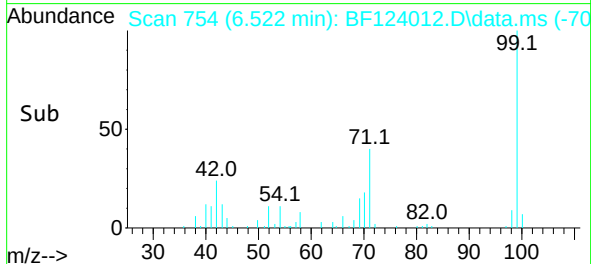
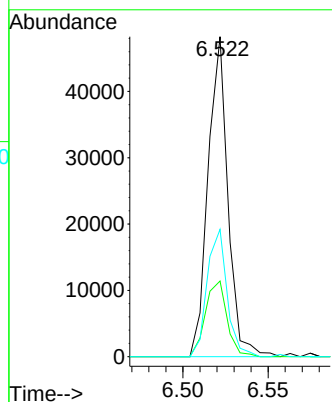
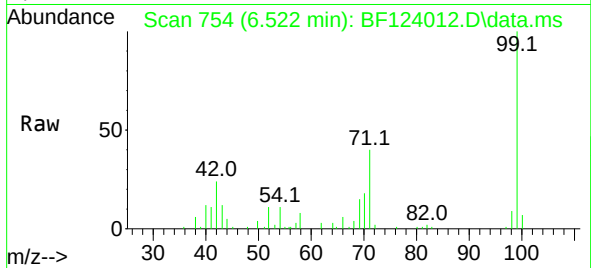




#7
Phenol-d6
Concen: 7.50 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

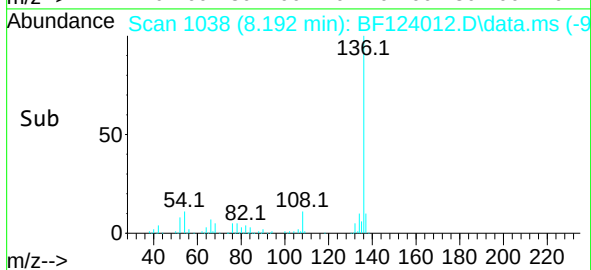
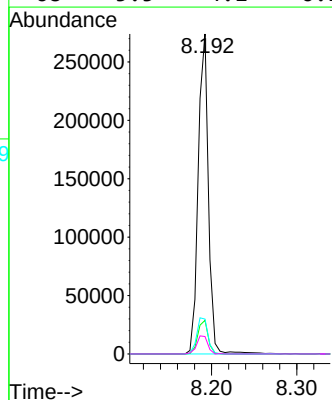
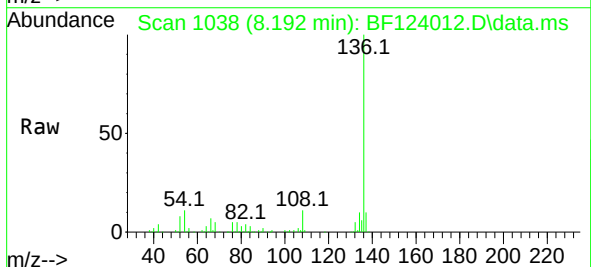
Instrument :
BNA_F
ClientSampleId :
TP-4DL

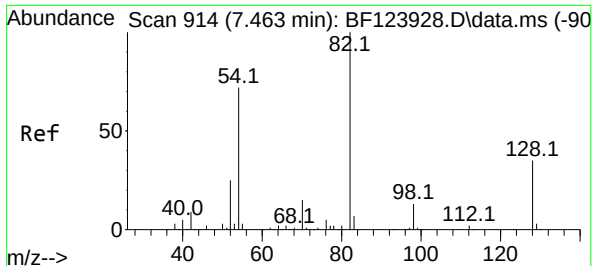
Tgt Ion:	99	Resp:	39080
Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.8	29.8
71	39.8	31.1	46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:	136	Resp:	228123
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	10.9	9.8	14.6
68	5.5	4.1	6.1





#23

Nitrobenzene-d5

Concen: 6.01 ng

RT: 7.463 min Scan# 914

Delta R.T. -0.000 min

Lab File: BF124012.D

Acq: 20 May 2021 16:44

Tgt Ion: 82 Resp: 31804

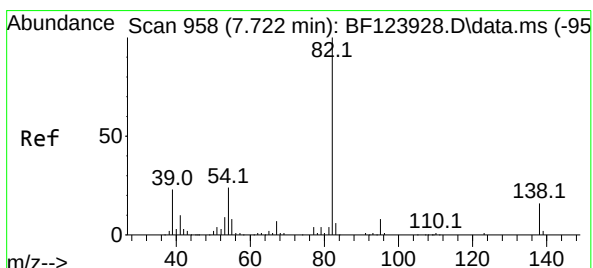
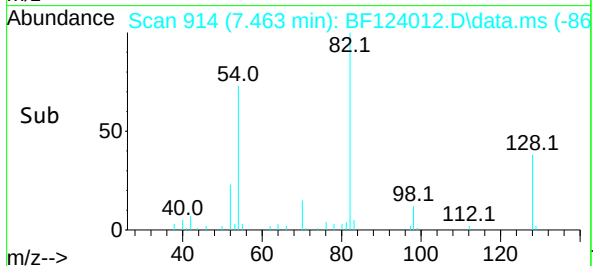
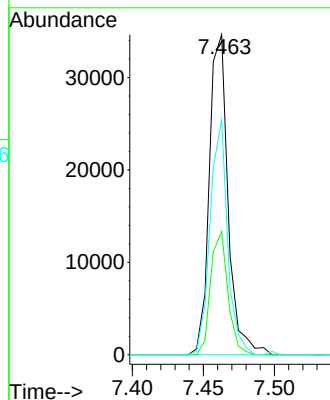
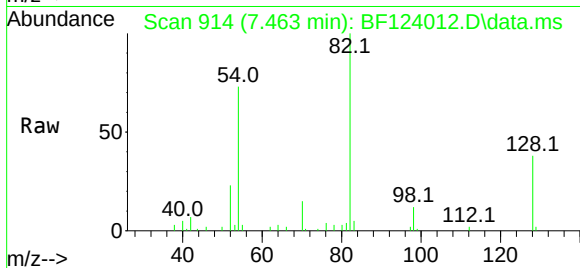
Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.4	44.2
54	73.4	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

TP-4DL



#25

Isophorone

Concen: 3.12 ng

RT: 7.463 min Scan# 914

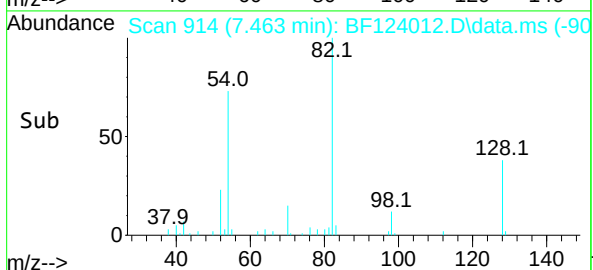
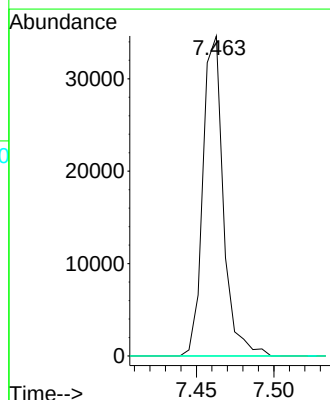
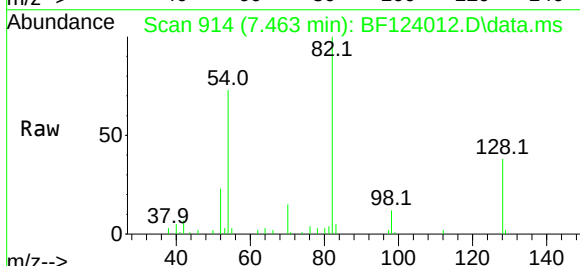
Delta R.T. -0.259 min

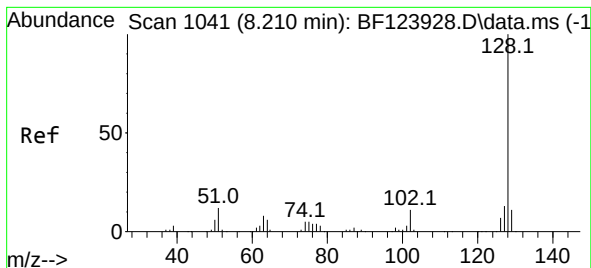
Lab File: BF124012.D

Acq: 20 May 2021 16:44

Tgt Ion: 82 Resp: 31804

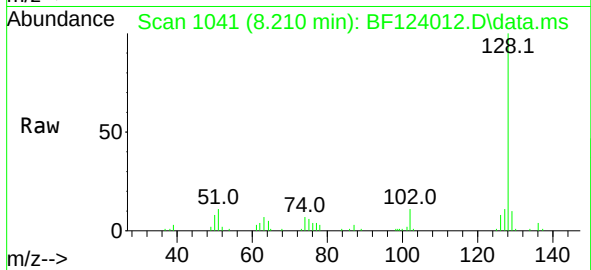
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#



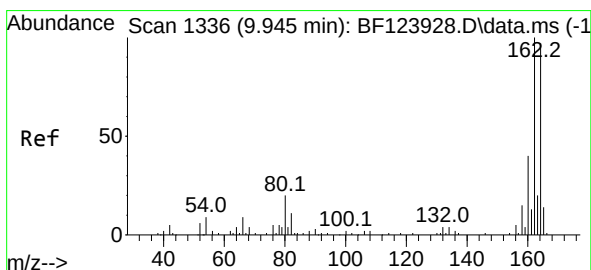
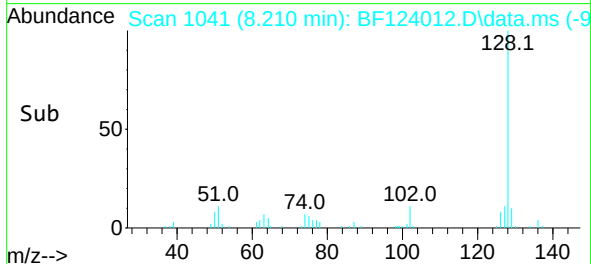
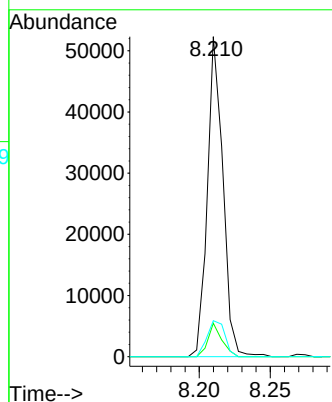


#31
Naphthalene
Concen: 2.95 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Instrument :
BNA_F
ClientSampleId :
TP-4DL

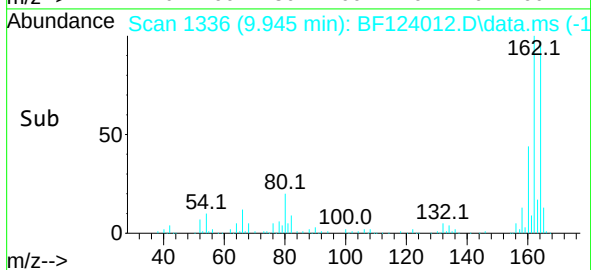
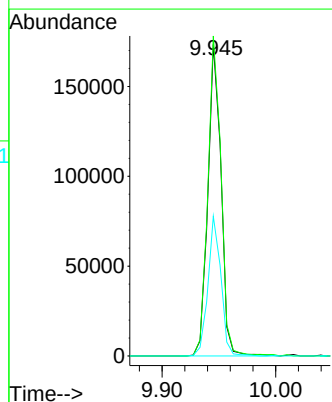
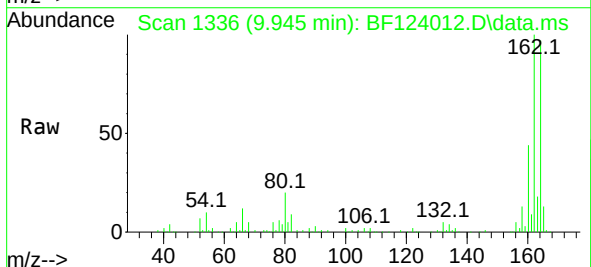


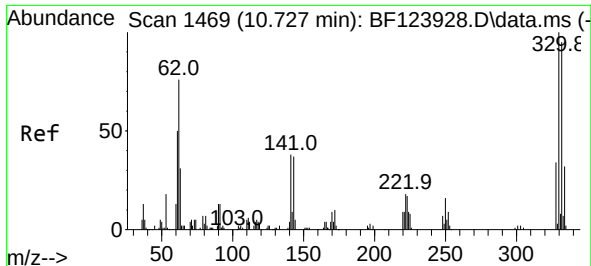
Tgt Ion:128 Resp: 39784
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 11.3 10.8 16.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:164 Resp: 139217
Ion Ratio Lower Upper
164 100
162 102.7 80.7 121.1
160 44.9 37.3 55.9

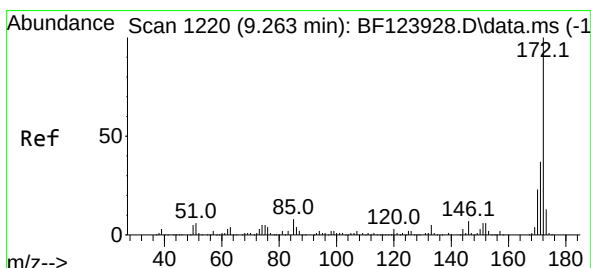
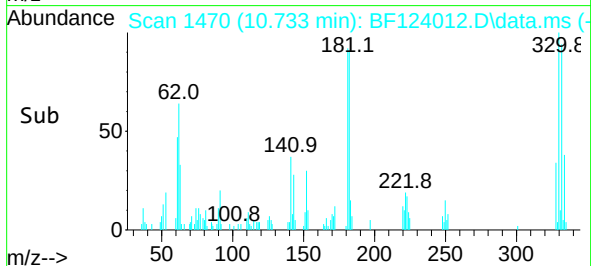
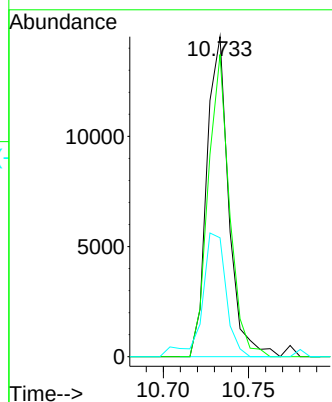
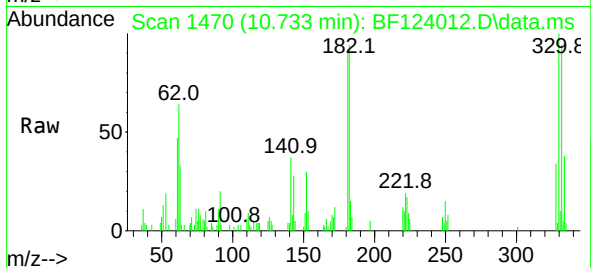




#42
2,4,6-Tribromophenol
Concen: 7.74 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

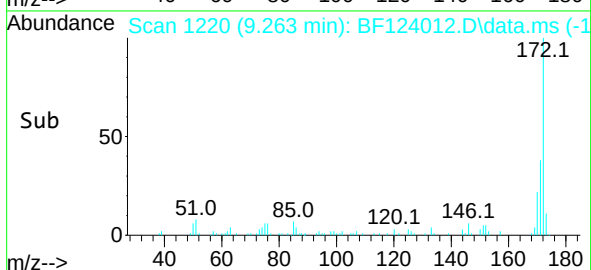
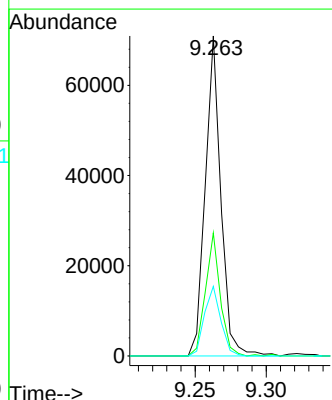
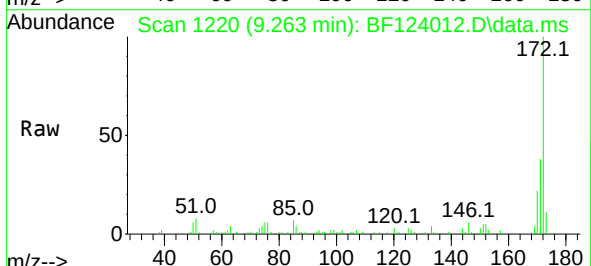
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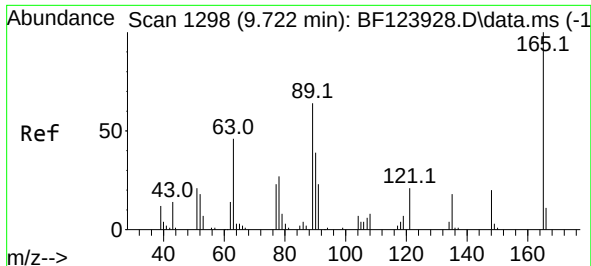
Tgt Ion: 330 Resp: 12936
Ion Ratio Lower Upper
330 100
332 92.4 77.1 115.7
141 42.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 4.80 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion: 172 Resp: 54339
Ion Ratio Lower Upper
172 100
171 38.5 28.1 42.1
170 21.7 19.2 28.8

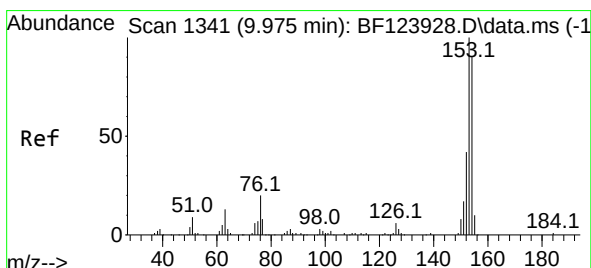
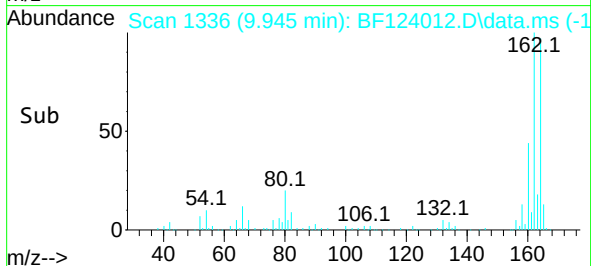
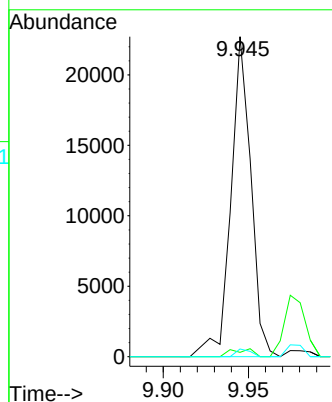
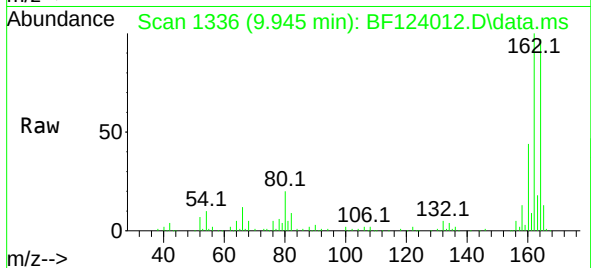




#51
2,6-Dinitrotoluene
Concen: 8.26 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.223 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

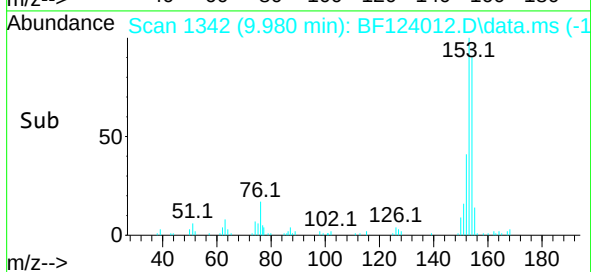
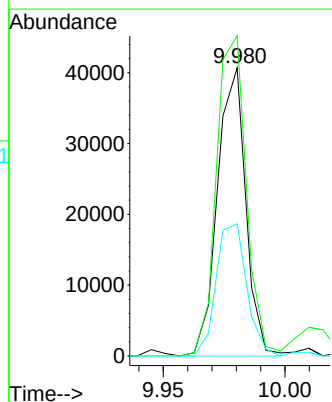
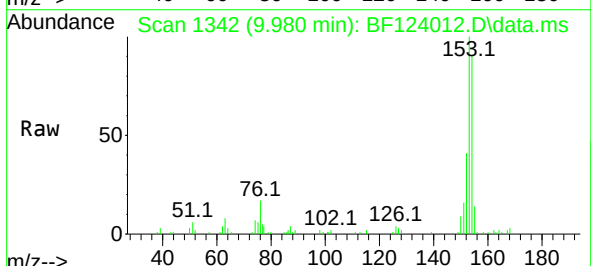
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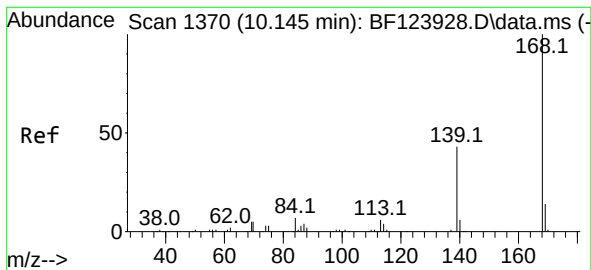
Tgt Ion:165 Resp: 18558
Ion Ratio Lower Upper
165 100
63 1.3 67.7 101.5#
89 2.4 58.8 88.2#



#52
Acenaphthene
Concen: 3.34 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:154 Resp: 32879
Ion Ratio Lower Upper
154 100
153 111.1 88.1 132.1
152 45.9 43.4 65.0

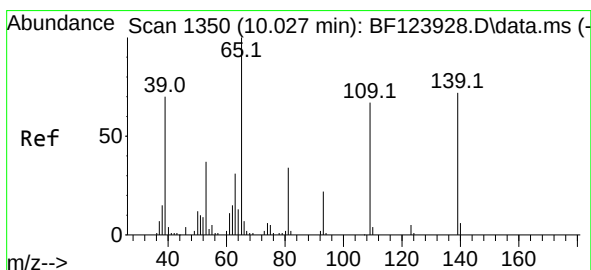
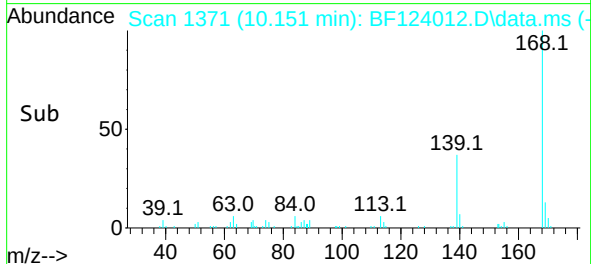
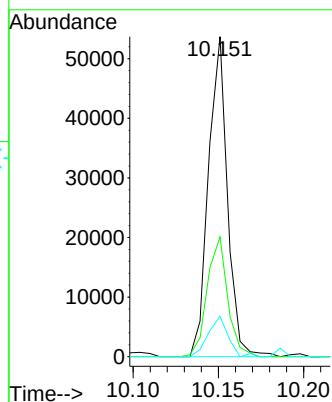
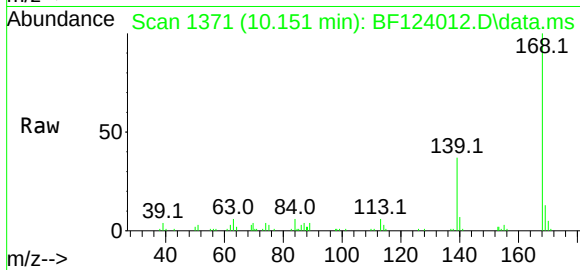




#55
Dibenzenofuran
Concen: 2.94 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

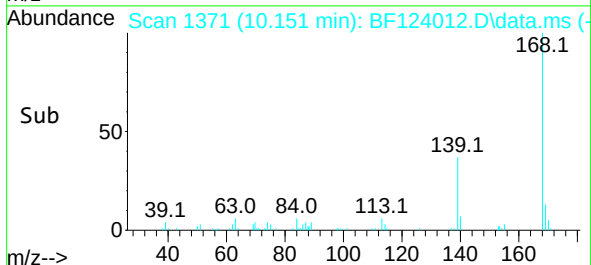
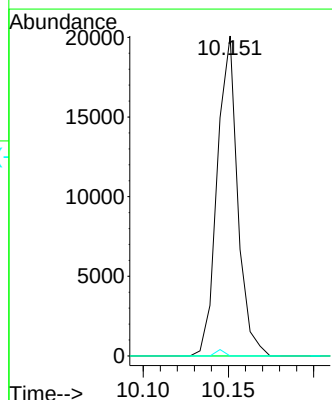
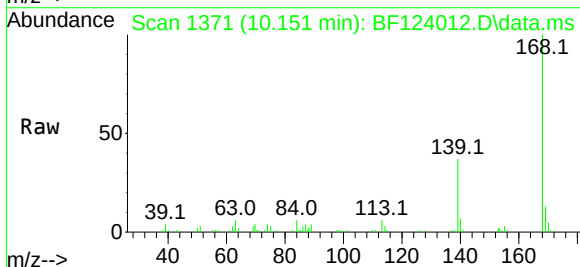
Instrument :
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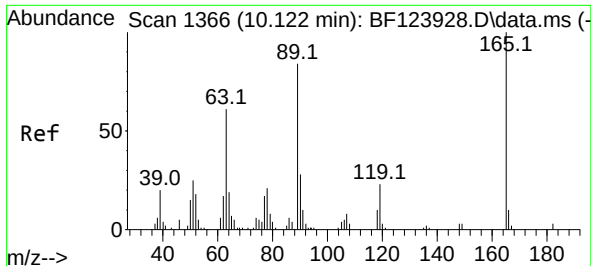
Tgt Ion:168 Resp: 41566
Ion Ratio Lower Upper
168 100
139 37.4 33.2 49.8
169 12.6 10.8 16.2



#56
4-Nitrophenol
Concen: 9.05 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.123 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

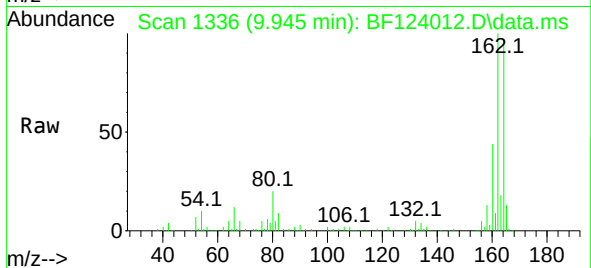
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Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



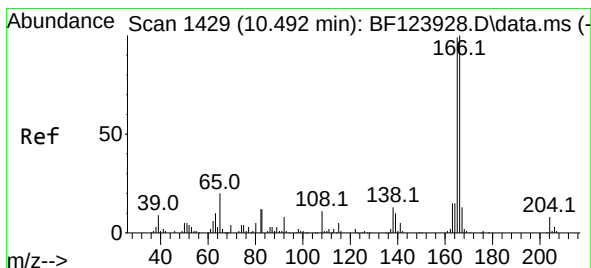
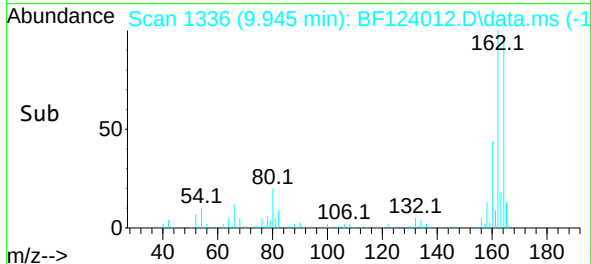
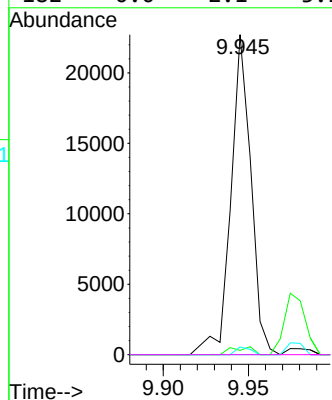


#57
2,4-Dinitrotoluene
Concen: 6.73 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.177 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Instrument :
BNA_F
ClientSampleId :
TP-4DL

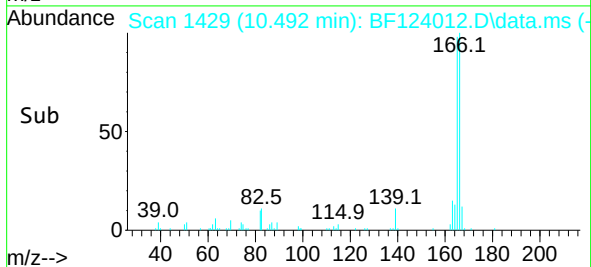
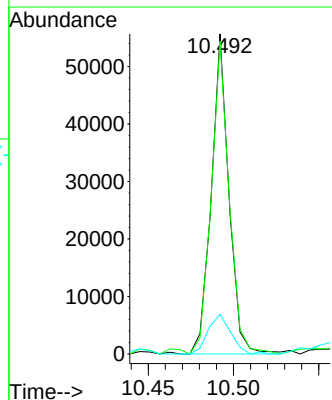
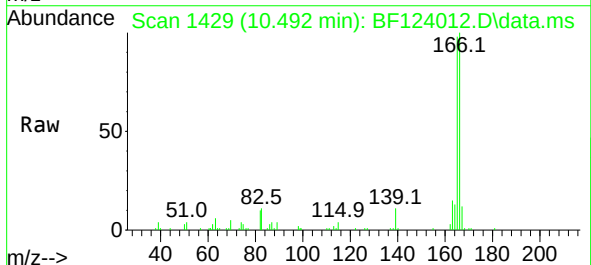


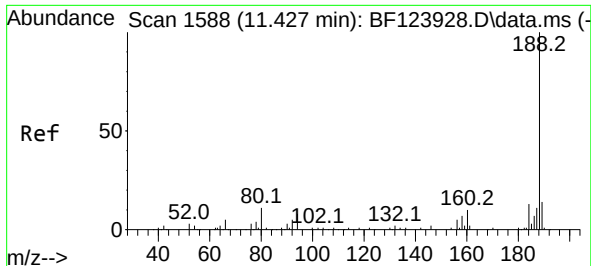
Tgt Ion:165 Resp: 18558
Ion Ratio Lower Upper
165 100
63 1.3 43.5 65.3#
89 2.4 67.7 101.5#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 3.74 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:166 Resp: 39864
Ion Ratio Lower Upper
166 100
165 97.7 73.5 110.3
167 12.4 10.7 16.1

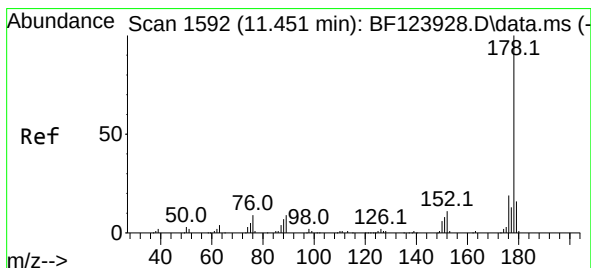
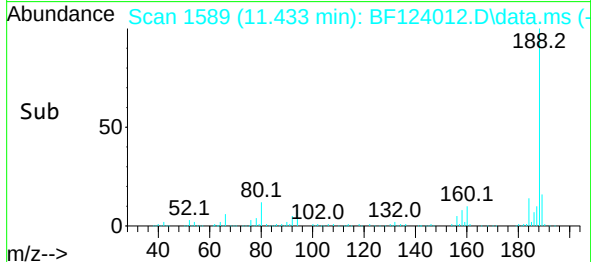
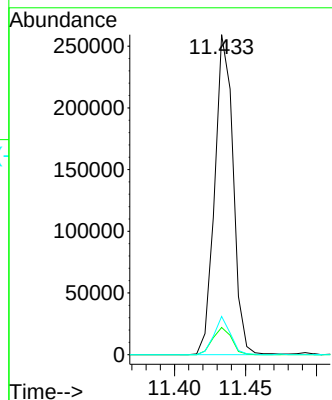
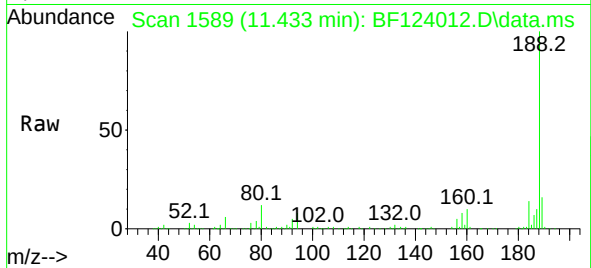




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

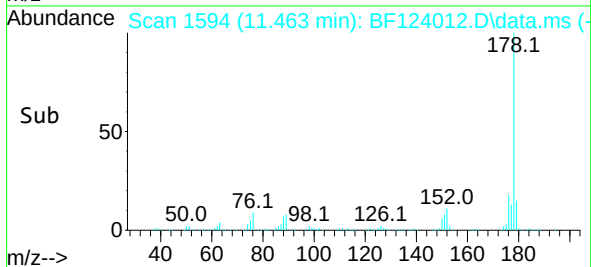
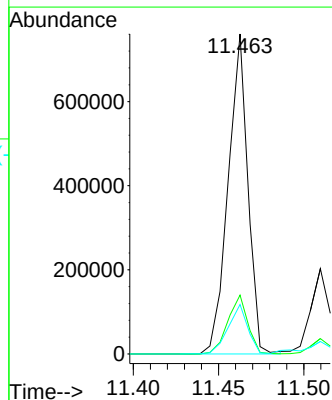
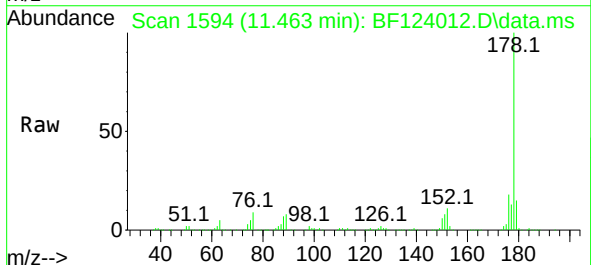
Instrument :
BNA_F
ClientSampleId :
TP-4DL

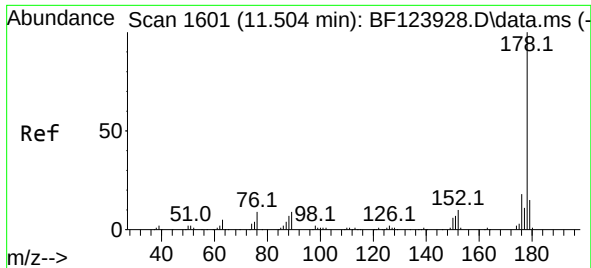
Tgt Ion:188 Resp: 233317
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 11.9 8.2 12.2



#71
Phenanthrene
Concen: 41.56 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.012 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:178 Resp: 614569
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.5 12.5 18.7

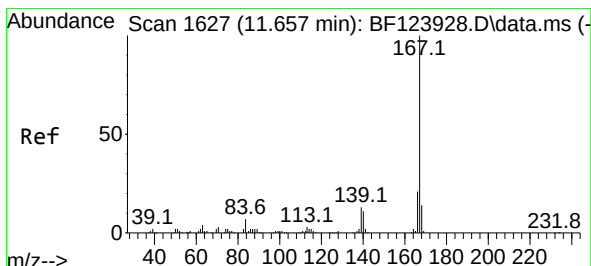
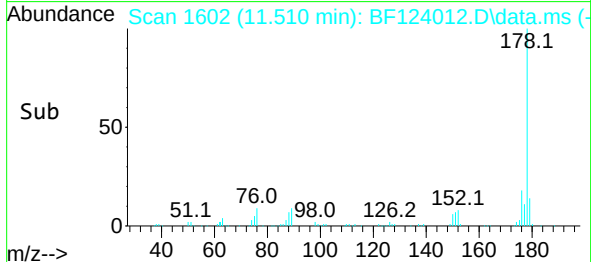
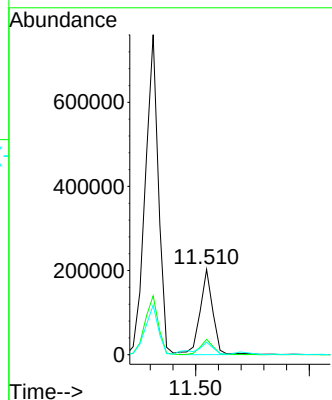
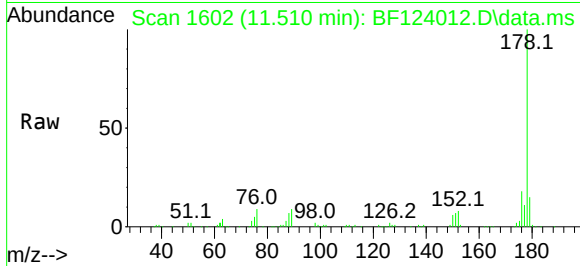




#72
 Anthracene
 Concen: 10.55 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. 0.006 min
 Lab File: BF124012.D
 Acq: 20 May 2021 16:44

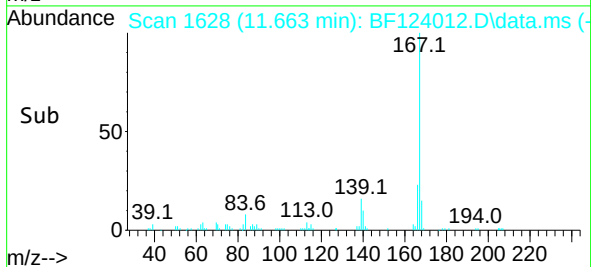
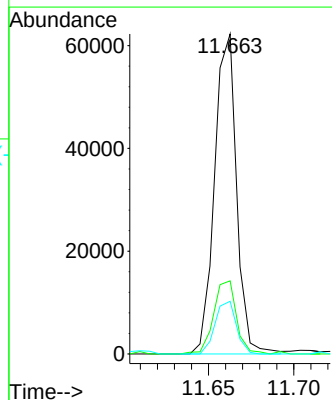
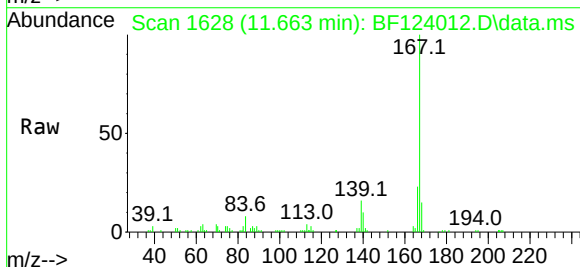
Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

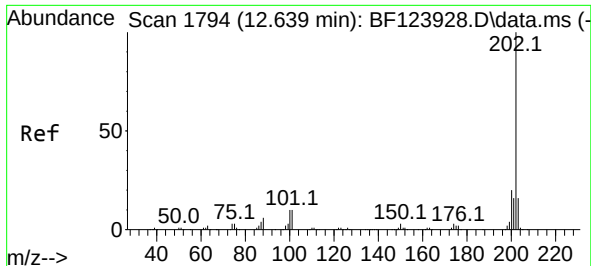
Tgt Ion:178 Resp: 158105
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.0
 179 14.6 12.6 18.8



#73
 Carbazole
 Concen: 4.27 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. 0.006 min
 Lab File: BF124012.D
 Acq: 20 May 2021 16:44

Tgt Ion:167 Resp: 55927
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 16.4 10.4 15.6#

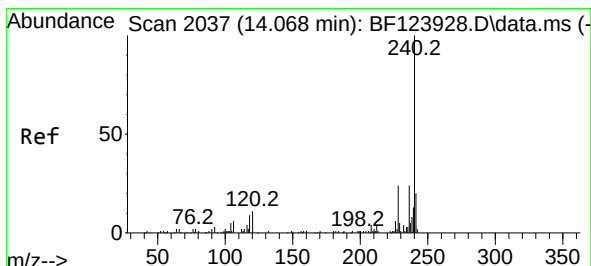
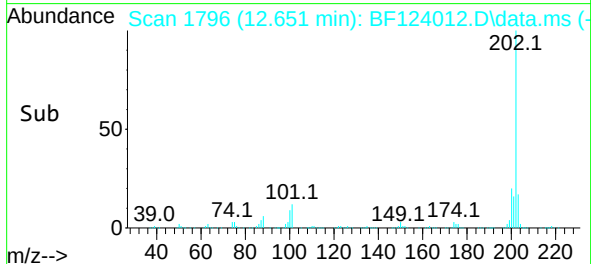
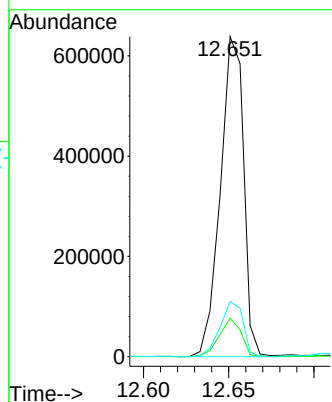
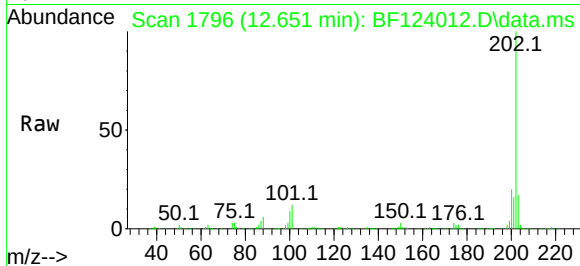




#75
Fluoranthene
Concen: 39.62 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

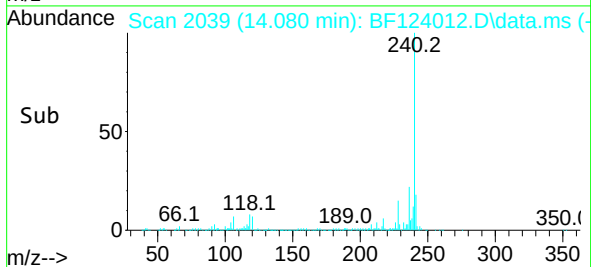
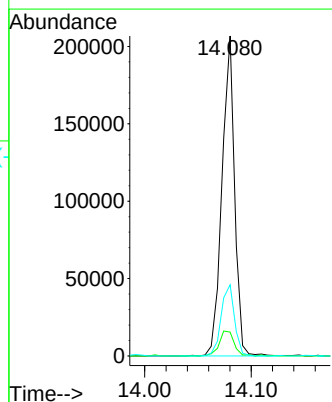
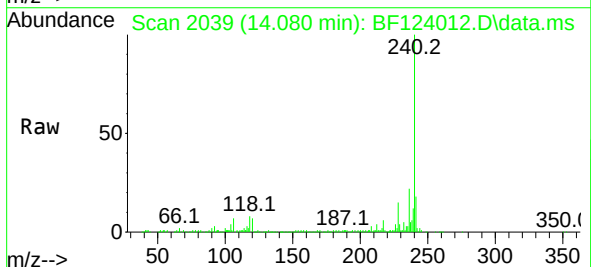
Instrument :
BNA_F
ClientSampleId :
TP-4DL

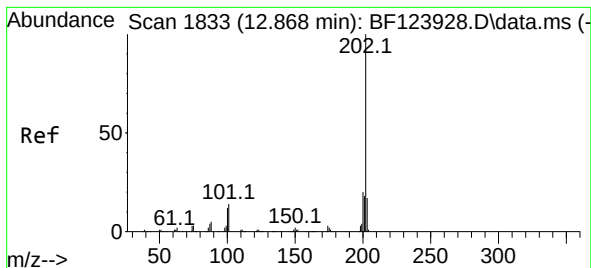
Tgt Ion:202 Resp: 606606
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.9
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.012 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:240 Resp: 169735
Ion Ratio Lower Upper
240 100
120 7.4 7.2 10.8
236 22.3 19.0 28.4





#78

Pyrene

Concen: 31.75 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.012 min

Lab File: BF124012.D

Acq: 20 May 2021 16:44

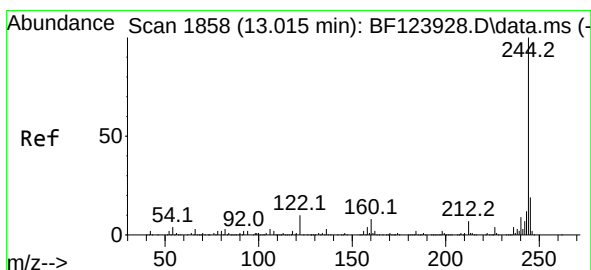
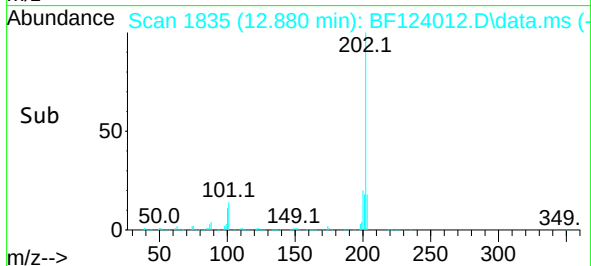
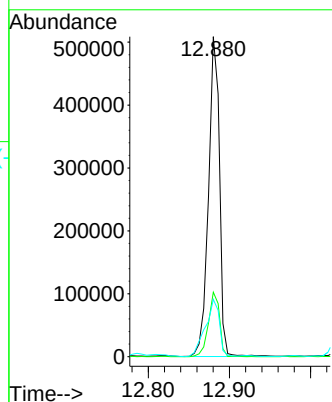
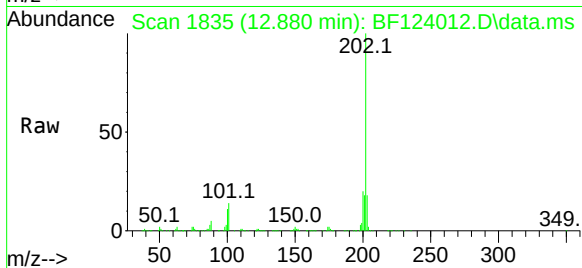
Tgt Ion:202 Resp: 478384

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 17.9 14.8 22.2



#79

Terphenyl-d14

Concen: 4.36 ng

RT: 13.015 min Scan# 1858

Delta R.T. -0.000 min

Lab File: BF124012.D

Acq: 20 May 2021 16:44

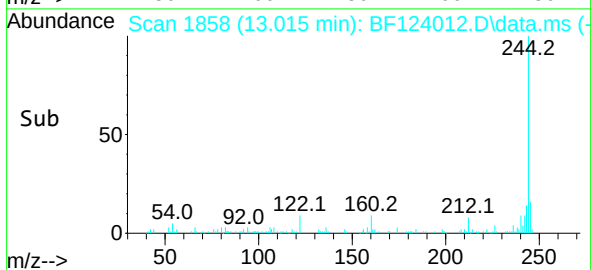
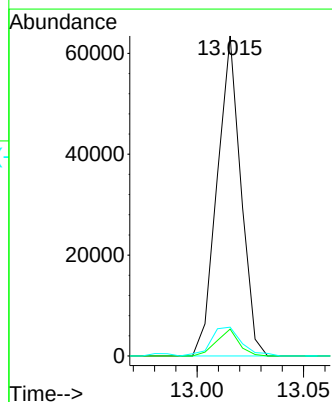
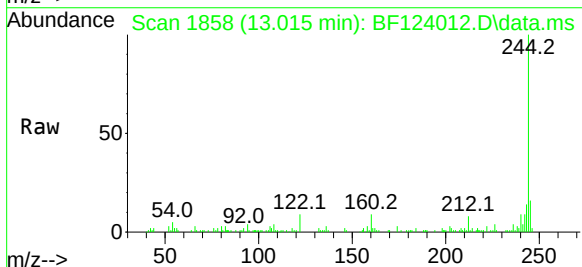
Tgt Ion:244 Resp: 48867

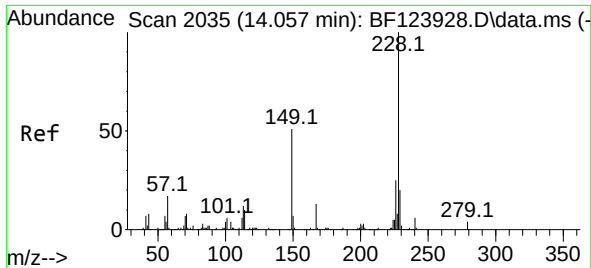
Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

122 9.0 9.7 14.5#

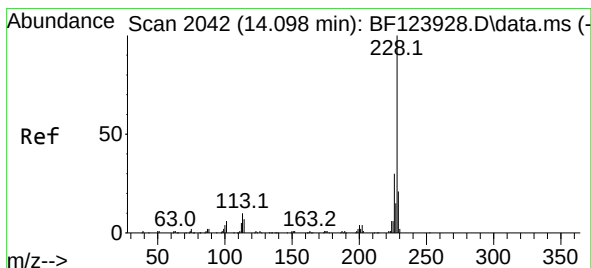
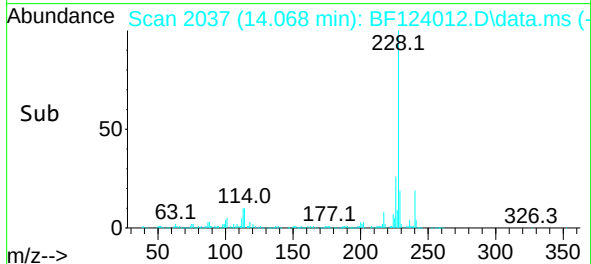
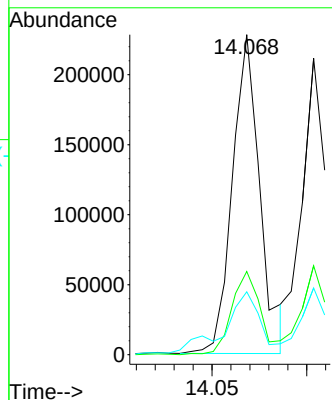
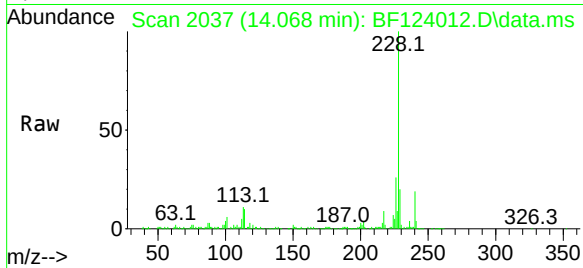




#81
Benzo(a)anthracene
Concen: 18.67 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

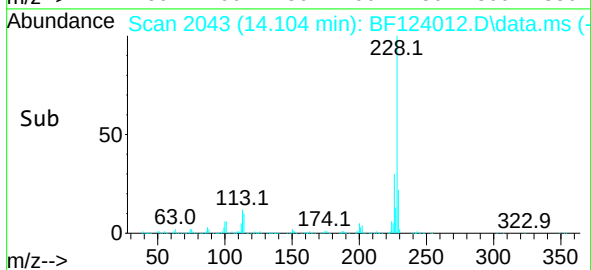
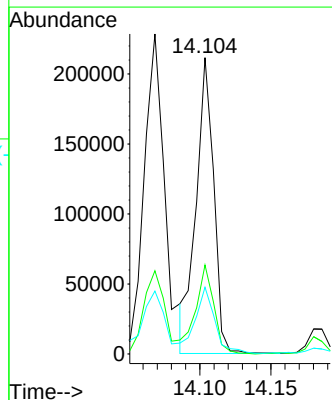
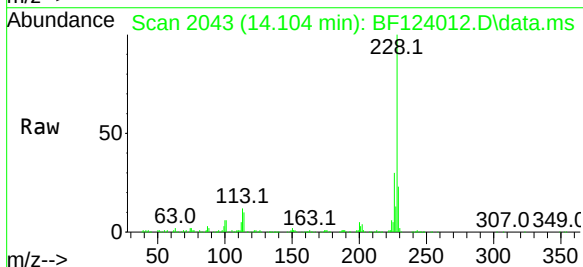
Instrument :
BNA_F
ClientSampleId :
TP-4DL

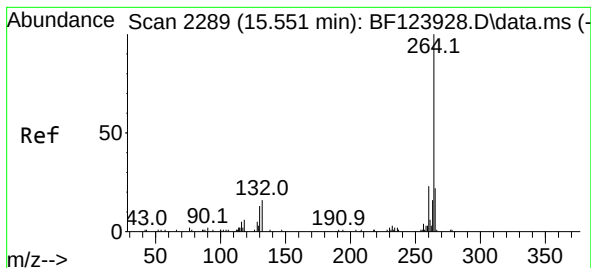
Tgt Ion:228 Resp: 229220
Ion Ratio Lower Upper
228 100
226 26.0 22.4 33.6
229 19.7 16.0 24.0



#83
Chrysene
Concen: 15.45 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:228 Resp: 182448
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.5 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.023 min

Lab File: BF124012.D

Acq: 20 May 2021 16:44

Tgt Ion:264 Resp: 106714

Ion Ratio Lower Upper

264 100

260 20.8 18.7 28.1

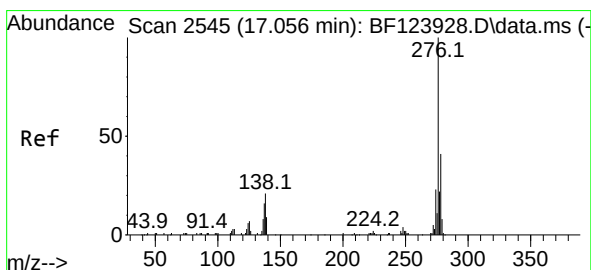
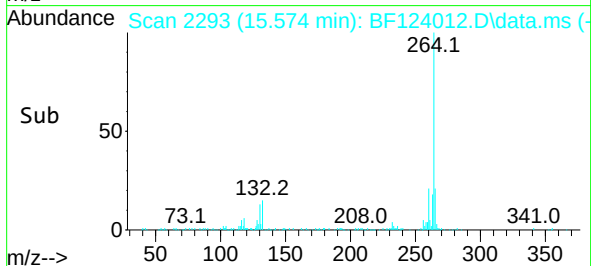
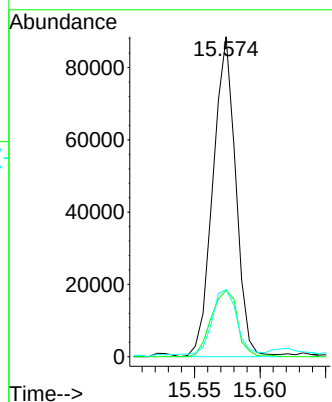
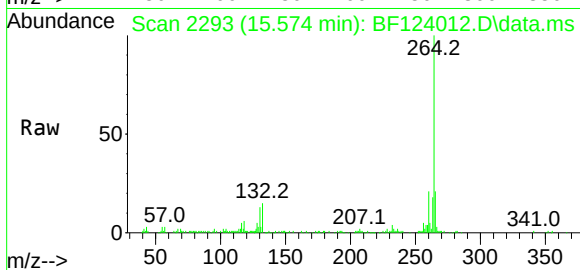
265 21.0 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

TP-4DL



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.43 ng

RT: 17.080 min Scan# 2549

Delta R.T. 0.023 min

Lab File: BF124012.D

Acq: 20 May 2021 16:44

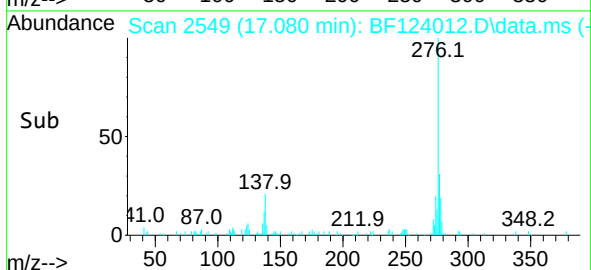
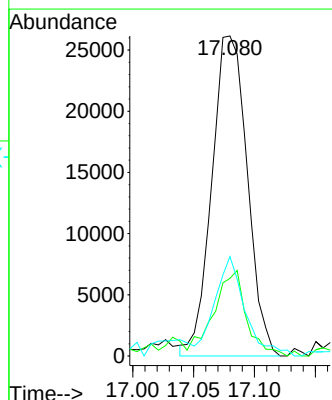
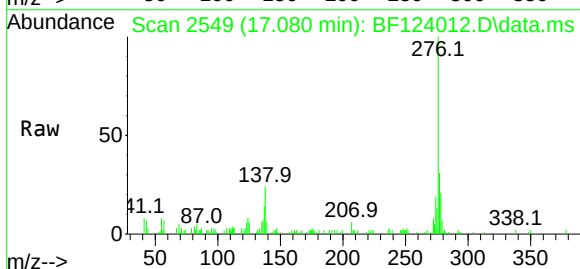
Tgt Ion:276 Resp: 52993

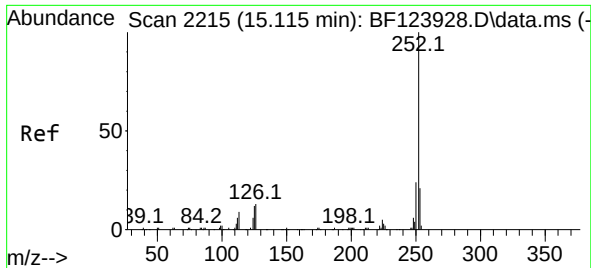
Ion Ratio Lower Upper

276 100

138 24.5 16.2 24.2#

277 26.4 20.1 30.1

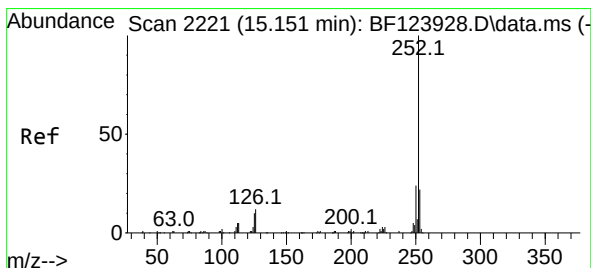
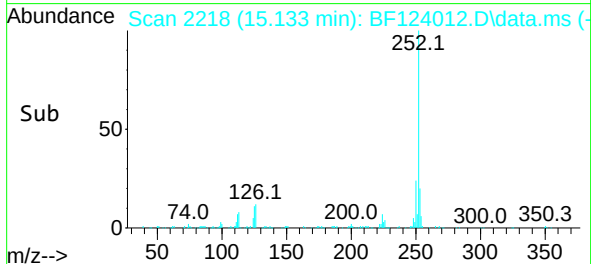
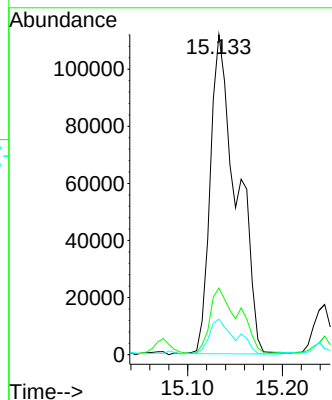
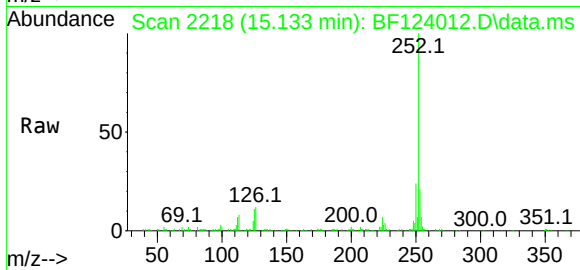




#88
Benzo(b)fluoranthene
Concen: 26.42 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.018 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

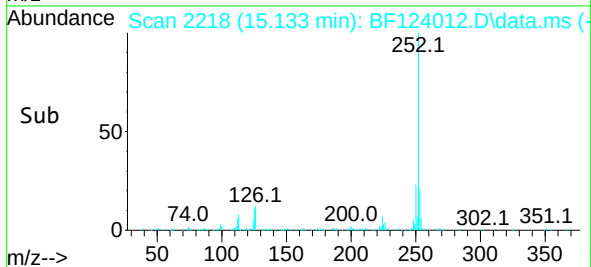
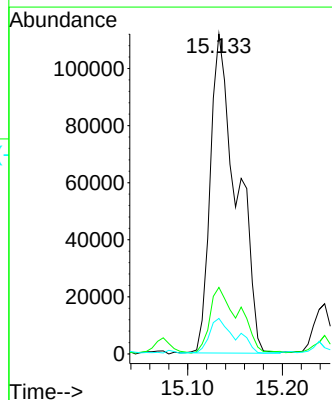
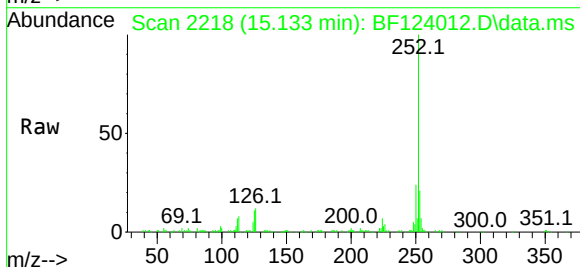
Instrument :
BNA_F
ClientSampleId :
TP-4DL

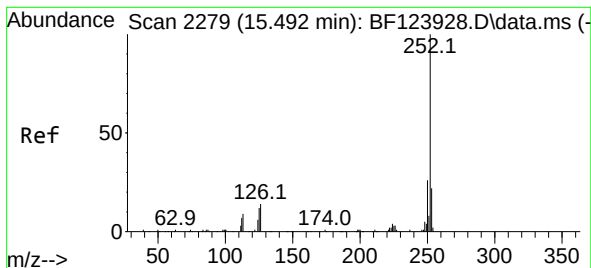
Tgt Ion:252 Resp: 218070
Ion Ratio Lower Upper
252 100
253 20.8 18.1 27.1
125 11.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 28.99 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.018 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:252 Resp: 218070
Ion Ratio Lower Upper
252 100
253 20.8 17.9 26.9
125 11.1 7.0 10.6#

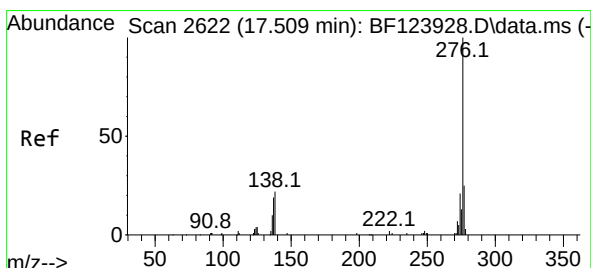
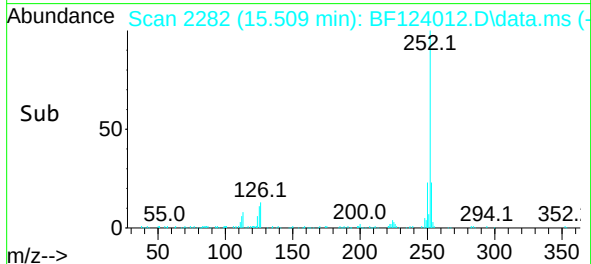
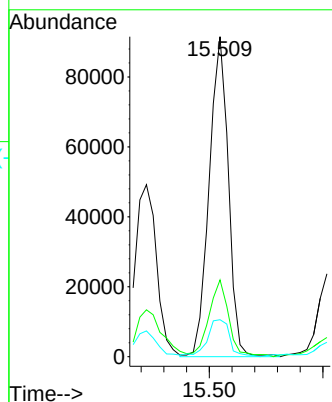
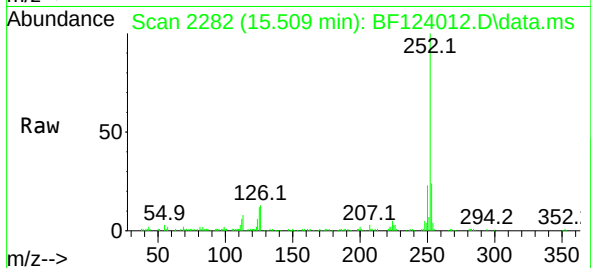




#90
Benzo(a)pyrene
Concen: 15.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Instrument :
BNA_F
ClientSampleId :
TP-4DL

Tgt Ion:252 Resp: 107041
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 11.5 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 7.06 ng
RT: 17.539 min Scan# 2627
Delta R.T. 0.029 min
Lab File: BF124012.D
Acq: 20 May 2021 16:44

Tgt Ion:276 Resp: 49107
Ion Ratio Lower Upper
276 100
277 19.6 18.2 27.2
138 19.4 13.8 20.6

