

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124192.D
 Acq On : 8 Jun 2021 21:50
 Operator : JU/CG
 Sample : M2599-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339

Quant Time: Jun 09 04:09:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

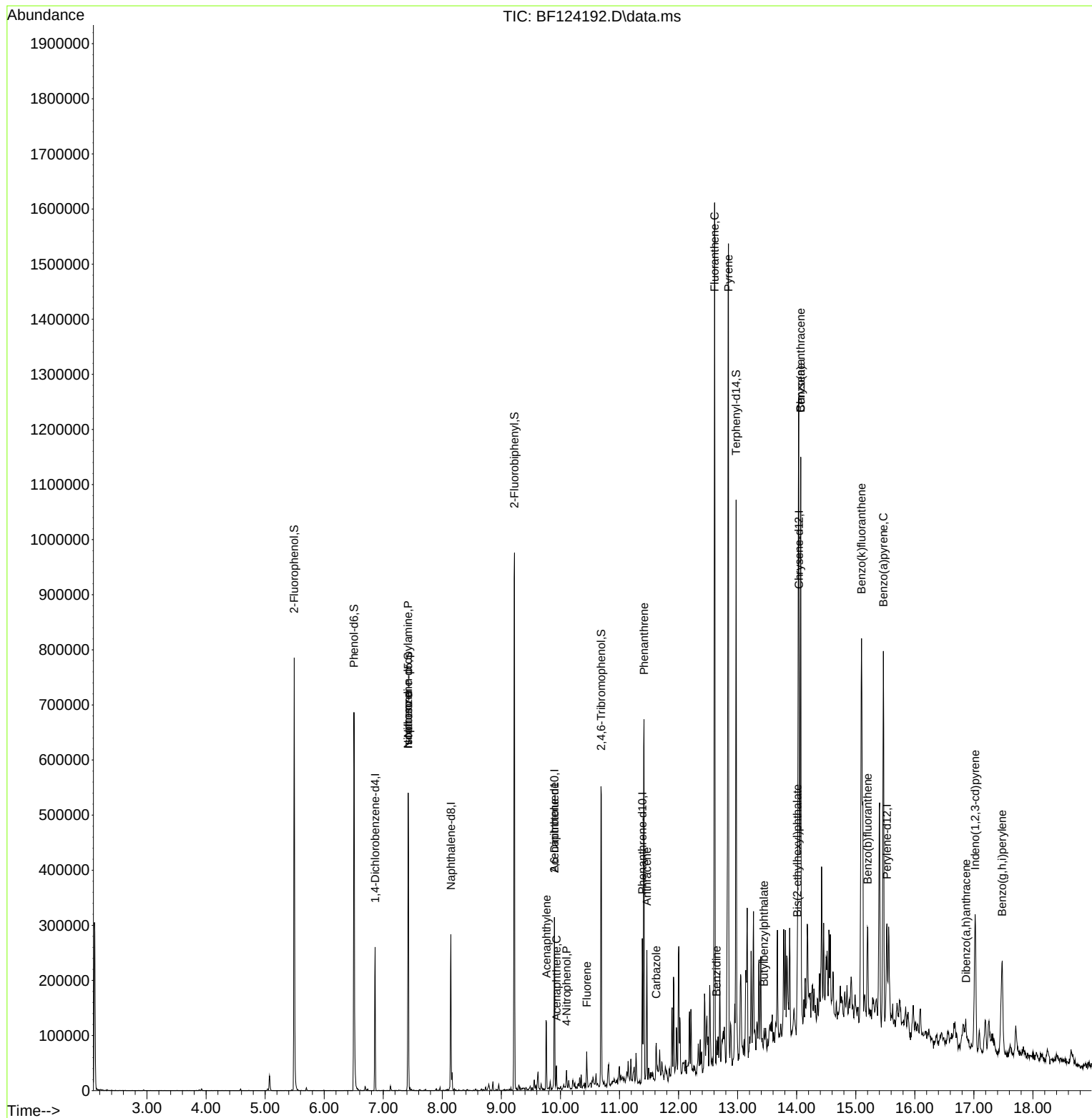
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	31320	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	99863	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	50681	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	81254	20.00	ng	# 0.00
76) Chrysene-d12	14.039	240	84521	20.00	ng	0.00
86) Perylene-d12	15.527	264	72880	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	167200	80.36	ng	0.00
7) Phenol-d6	6.504	99	202420	72.38	ng	0.00
23) Nitrobenzene-d5	7.422	82	158049	62.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	57836	80.55	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	272298	67.61	ng	0.00
79) Terphenyl-d14	12.974	244	265635	43.15	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	22447	11.37	ng	# 67
25) Isophorone	7.422	82	158045	34.83	ng	# 69
49) Acenaphthylene	9.763	152	47915	9.47	ng	# 91
51) 2,6-Dinitrotoluene	9.898	165	6597	6.86	ng	# 10
52) Acenaphthene	9.933	154	7732	2.34	ng	96
56) 4-Nitrophenol	10.104	139	4200	6.53	ng	# 1
58) Fluorene	10.445	166	13898	3.50	ng	# 91
71) Phenanthrene	11.416	178	226966	44.72	ng	99
72) Anthracene	11.463	178	72276	14.14	ng	97
73) Carbazole	11.621	167	17886	4.02	ng	# 92
75) Fluoranthene	12.610	202	579191	108.71	ng	99
77) Benzidine	12.645	184	232	4.17	ng	# 68
78) Pyrene	12.845	202	640123	78.87	ng	99
80) Butylbenzylphthalate	13.445	149	6680	2.03	ng	98
81) Benzo(a)anthracene	14.068	228	335266	54.45	ng	97
83) Chrysene	14.068	228	335266	56.44	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	22973	5.87	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.021	276	145654	26.18	ng	98
88) Benzo(b)fluoranthene	15.204	252	85177	15.05	ng	99
89) Benzo(k)fluoranthene	15.098	252	526664	98.27	ng	98
90) Benzo(a)pyrene	15.468	252	292966	59.58	ng	96
91) Dibenzo(a,h)anthracene	16.868	278	8746	5.72	ng	95
92) Benzo(g,h,i)perylene	17.480	276	130472	27.32	ng	99

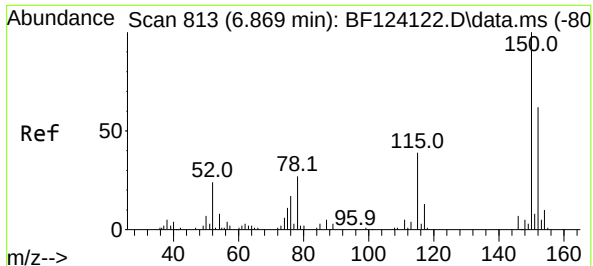
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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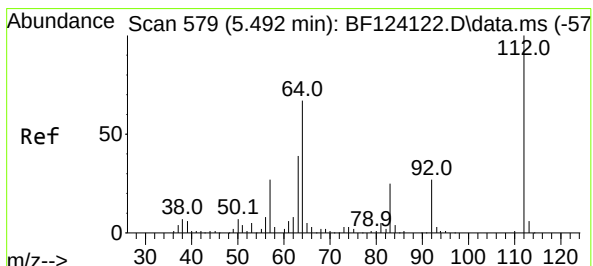
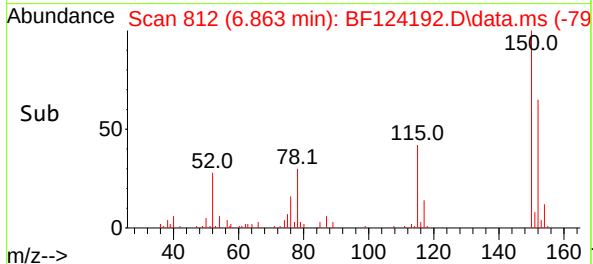
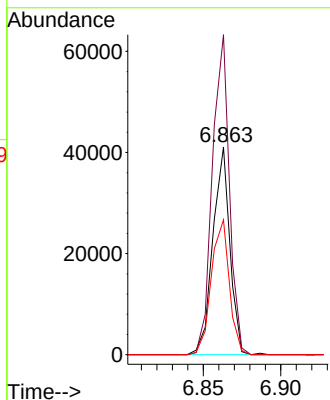
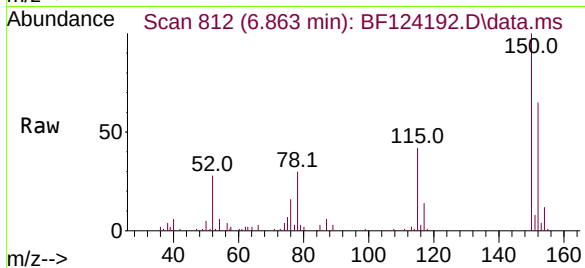




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

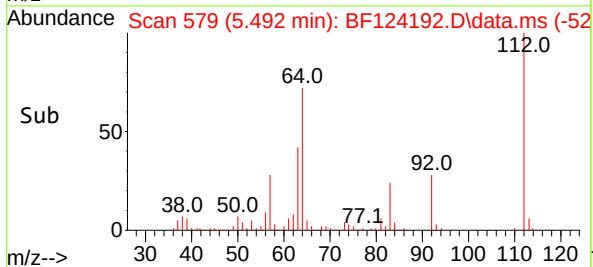
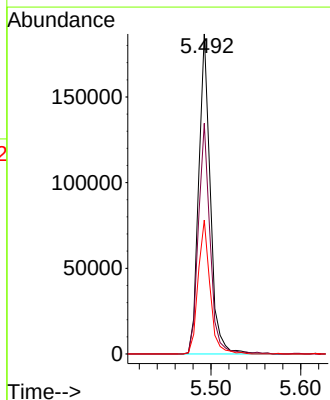
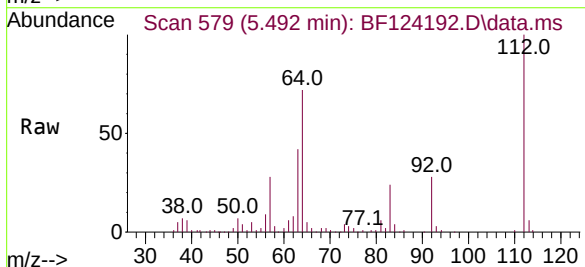
Instrument :
BNA_F
ClientSampleId :
339

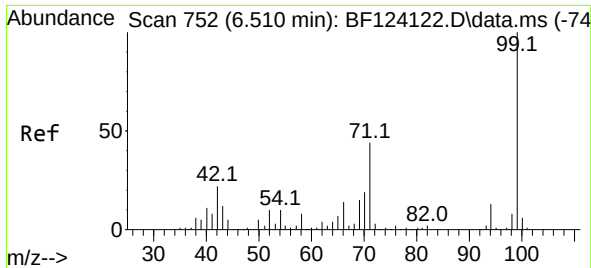
Tgt Ion:152 Resp: 31320
Ion Ratio Lower Upper
152 100
150 154.1 127.0 190.6
115 65.0 54.3 81.5



#5
2-Fluorophenol
Concen: 80.36 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:112 Resp: 167200
Ion Ratio Lower Upper
112 100
64 72.1 61.4 92.0
63 41.9 33.0 49.4

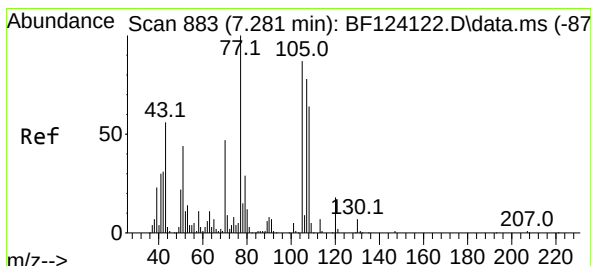
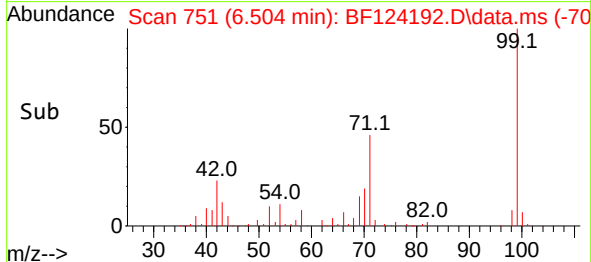
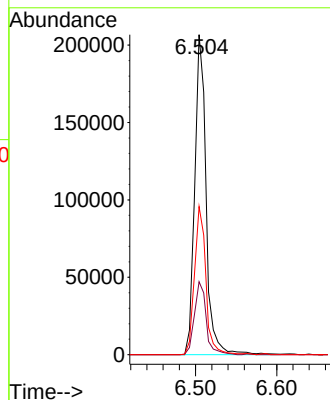
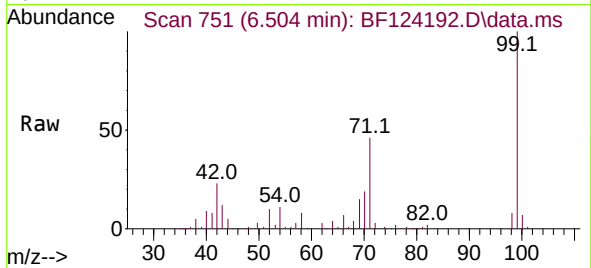




#7
Phenol-d6
Concen: 72.38 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

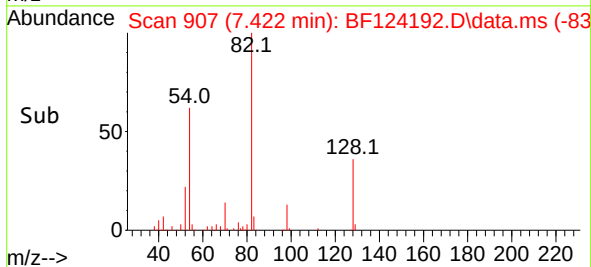
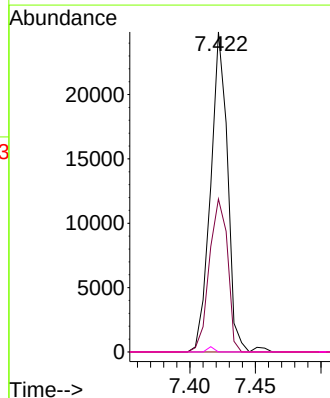
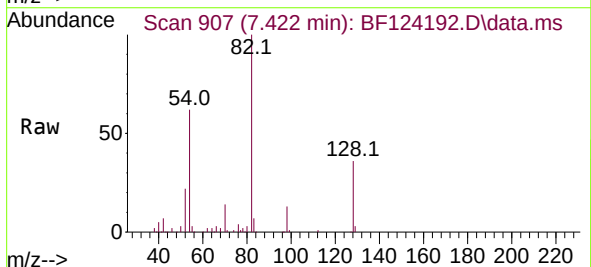
Instrument :
BNA_F
ClientSampleId :
339

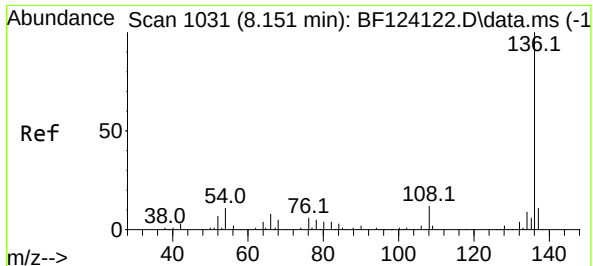
Tgt Ion: 99 Resp: 202420
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.8
71 46.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.37 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

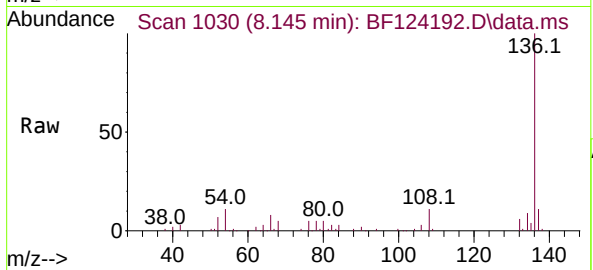
Tgt Ion: 70 Resp: 22447
Ion Ratio Lower Upper
70 100
42 47.8 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



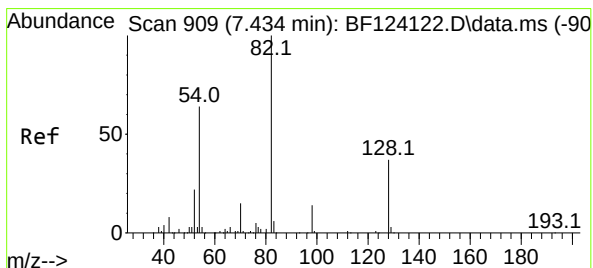
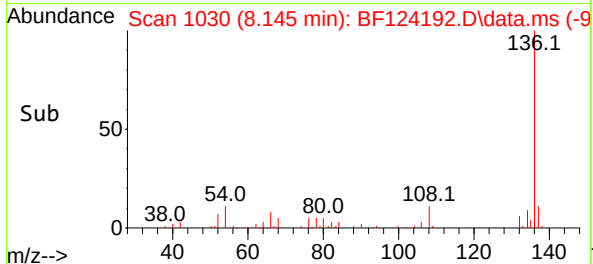
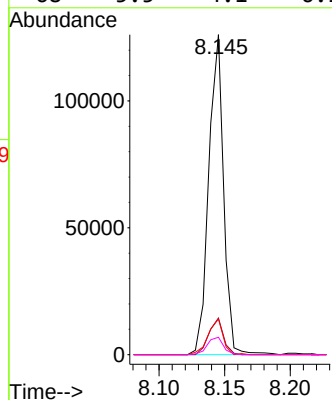


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Instrument :
BNA_F
ClientSampled :
339

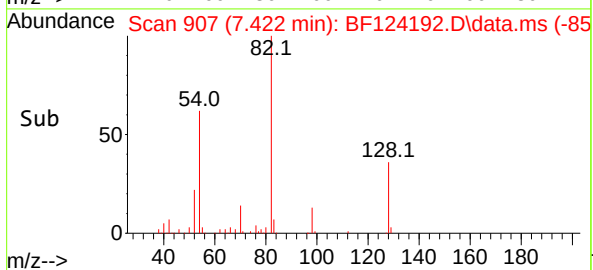
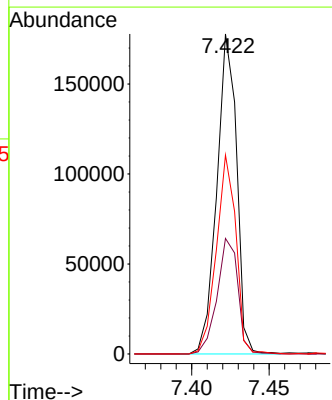
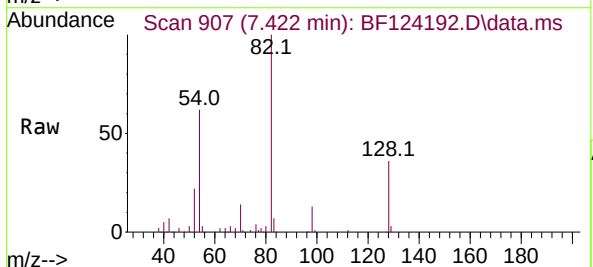


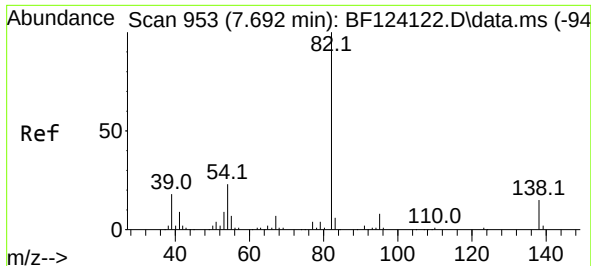
Tgt Ion:136	Resp:	99863
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.7 13.1
54	11.2	9.8 14.6
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 62.77 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion: 82	Resp:	158049
Ion Ratio	Lower	Upper
82	100	
128	36.1	29.4 44.2
54	62.1	54.1 81.1

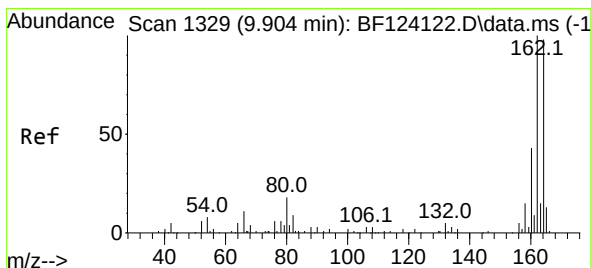
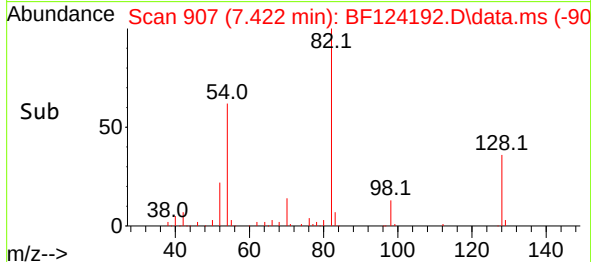
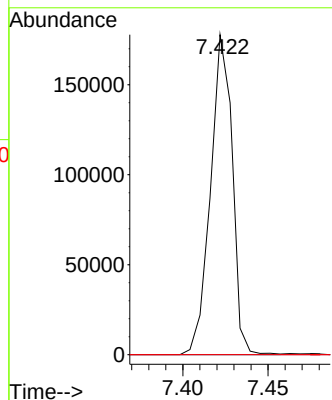
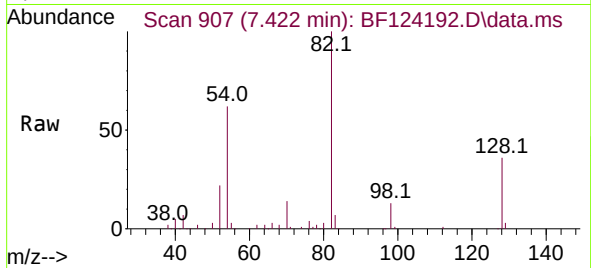




#25
Isophorone
Concen: 34.83 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

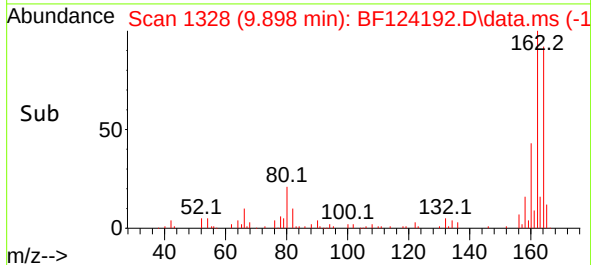
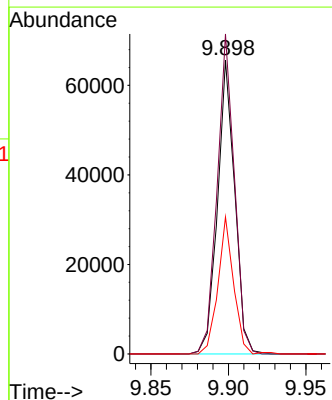
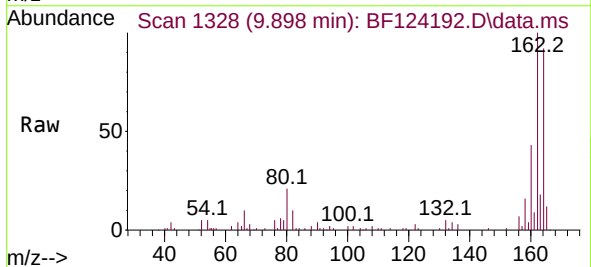
Instrument :
BNA_F
ClientSampleId :
339

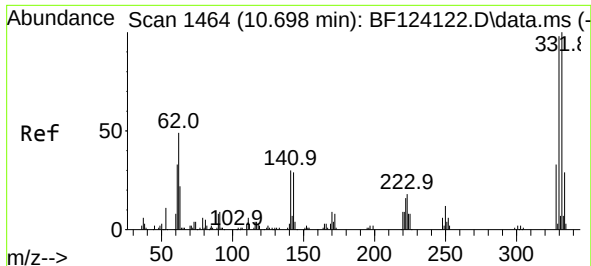
Tgt Ion: 82 Resp: 158045
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion: 164 Resp: 50681
Ion Ratio Lower Upper
164 100
162 108.8 80.7 121.1
160 46.6 37.3 55.9

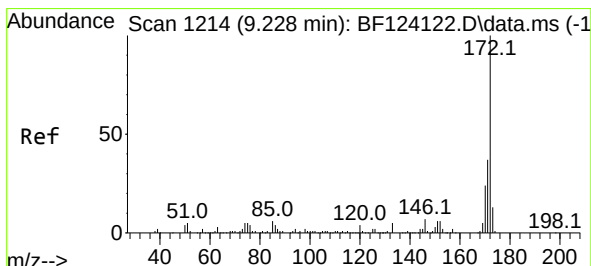
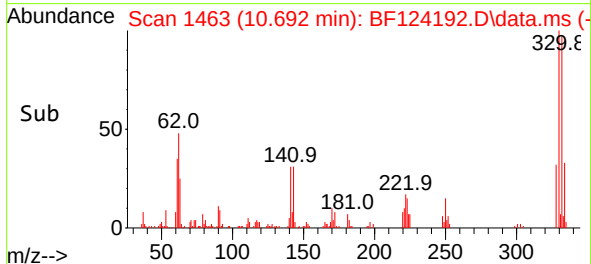
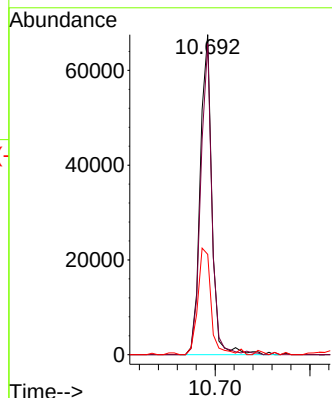
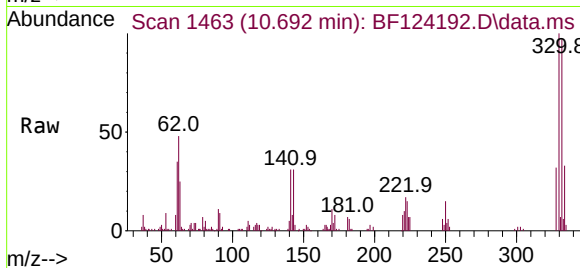




#42
2,4,6-Tribromophenol
Concen: 80.55 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

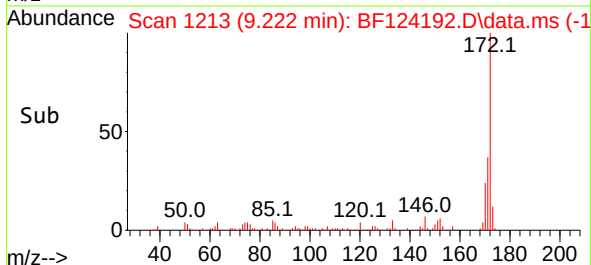
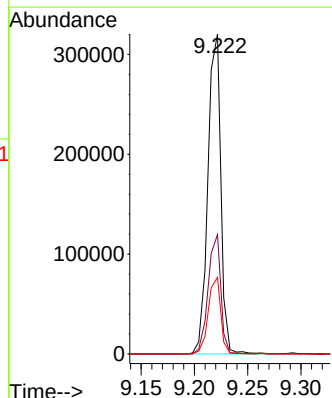
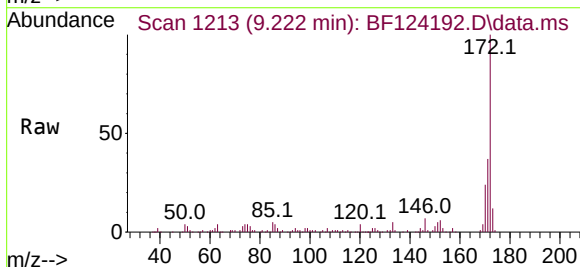
Instrument :
BNA_F
ClientSampleID :
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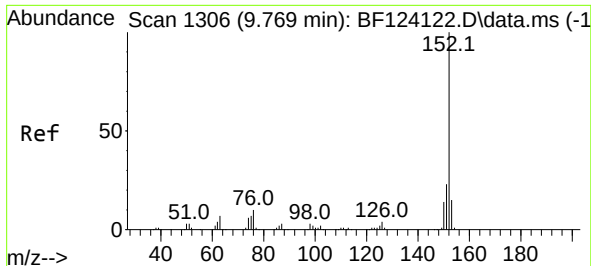
Tgt Ion:330 Resp: 57836
Ion Ratio Lower Upper
330 100
332 92.5 77.1 115.7
141 38.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 67.61 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:172 Resp: 272298
Ion Ratio Lower Upper
172 100
171 37.3 28.1 42.1
170 24.0 19.2 28.8





#49

Acenaphthylene

Concen: 9.47 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

Tgt Ion:152 Resp: 47915

Ion Ratio Lower Upper

152 100

151 26.2 16.0 24.0#

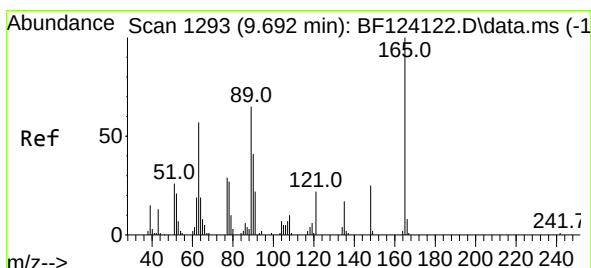
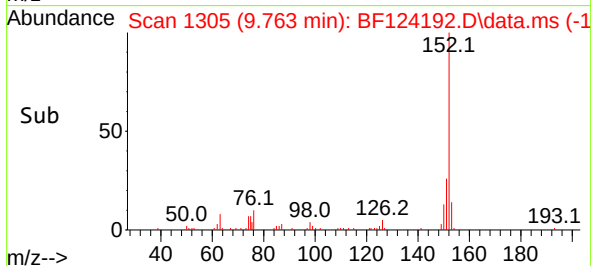
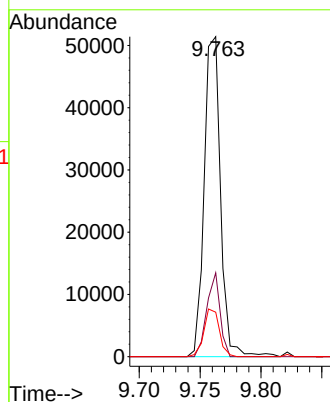
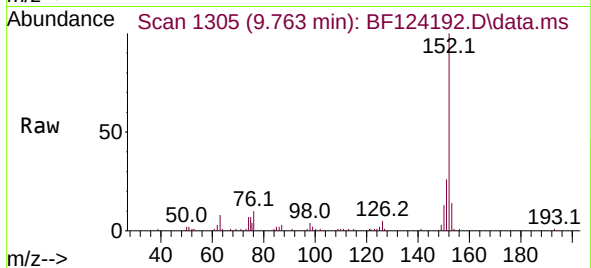
153 13.9 10.4 15.6

Instrument :

BNA_F

ClientSampleId :

339



#51

2,6-Dinitrotoluene

Concen: 6.86 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

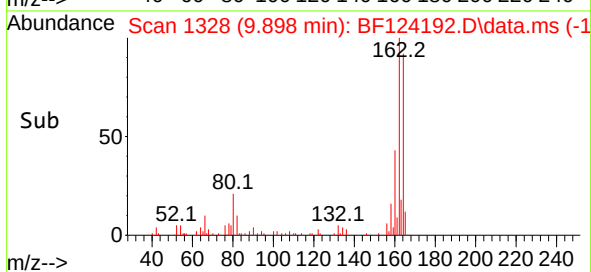
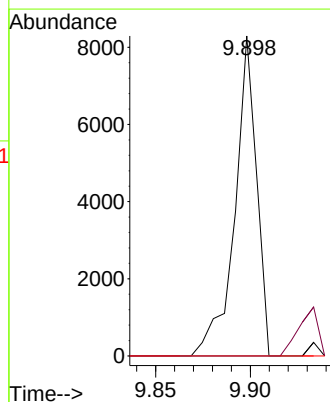
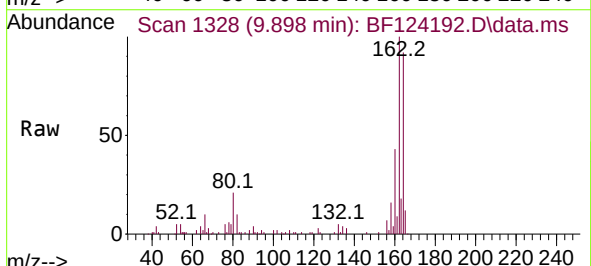
Tgt Ion:165 Resp: 6597

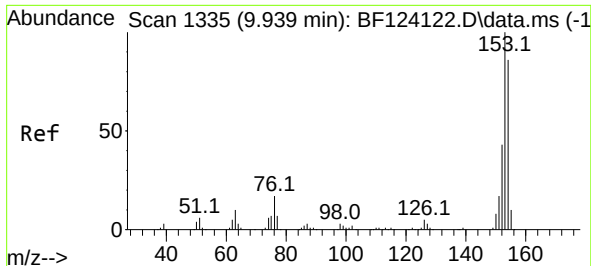
Ion Ratio Lower Upper

165 100

63 0.0 67.7 101.5#

89 0.0 58.8 88.2#

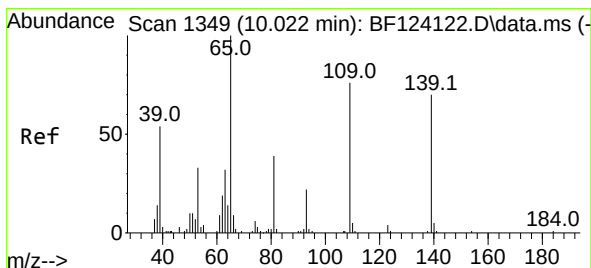
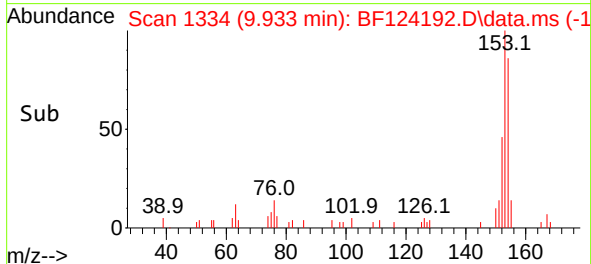
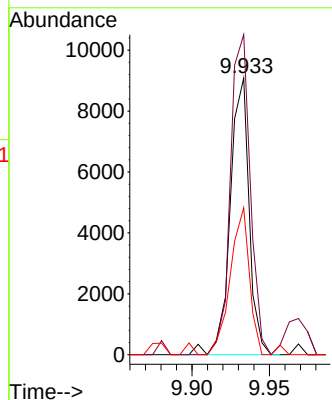
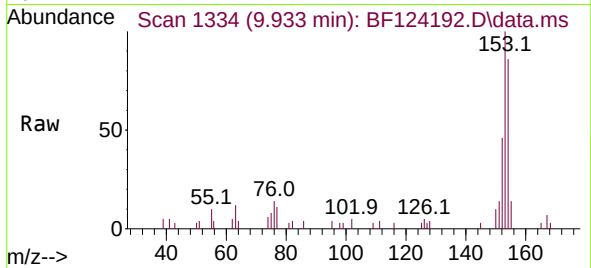




#52
Acenaphthene
Concen: 2.34 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

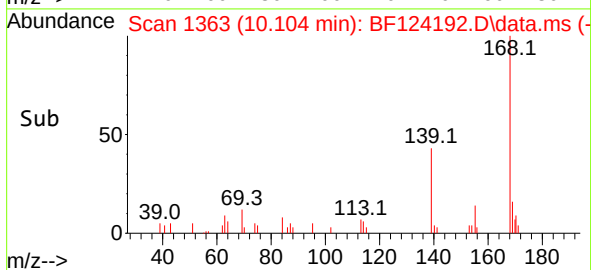
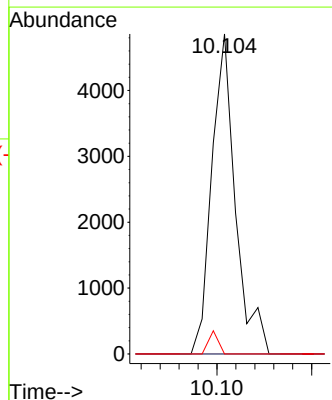
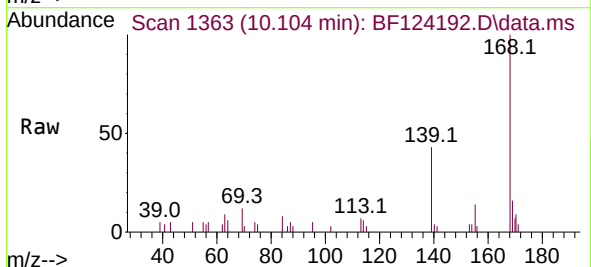
Instrument :
BNA_F
ClientSampleId :
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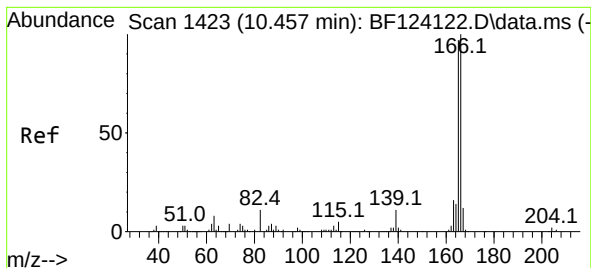
Tgt Ion:154 Resp: 7732
Ion Ratio Lower Upper
154 100
153 115.7 88.1 132.1
152 53.1 43.4 65.0



#56
4-Nitrophenol
Concen: 6.53 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.082 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:139 Resp: 4200
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#

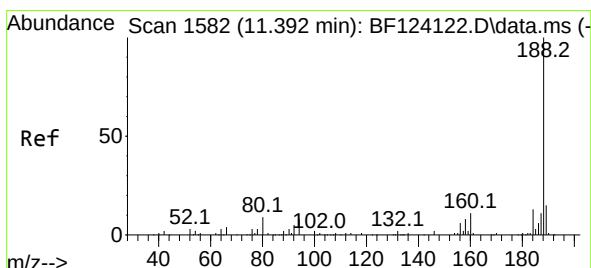
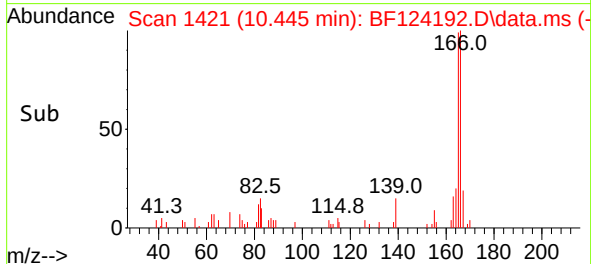
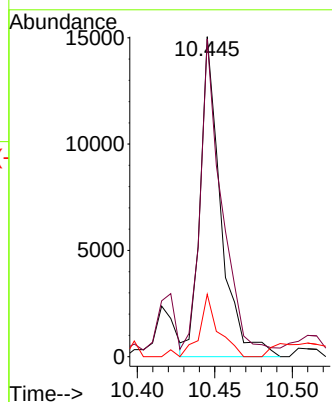
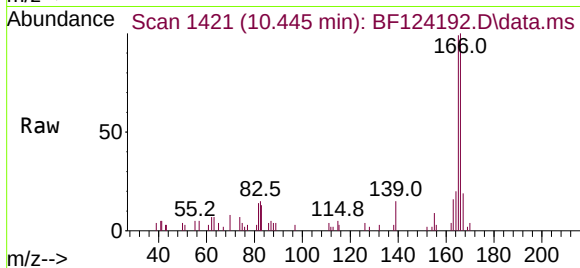




#58
Fluorene
Concen: 3.50 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

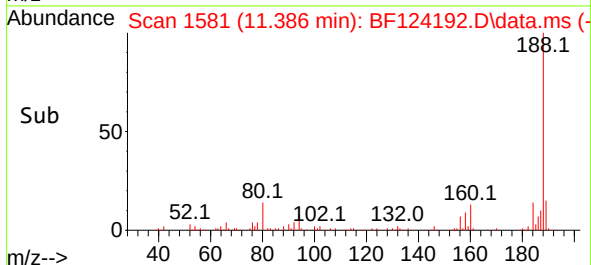
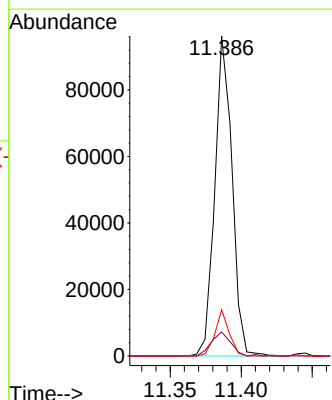
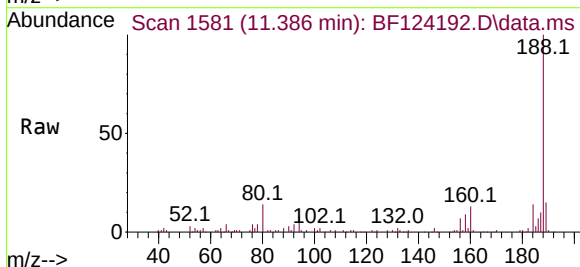
Instrument :
BNA_F
ClientSampled :
339

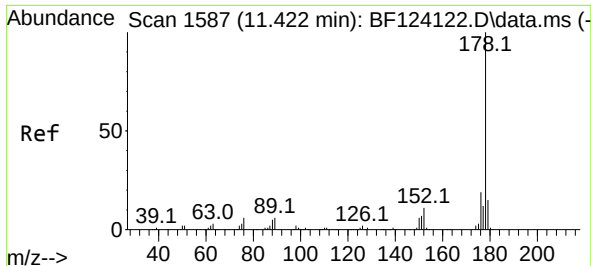
Tgt Ion:166 Resp: 13898
Ion Ratio Lower Upper
166 100
165 99.3 73.5 110.3
167 19.5 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:188 Resp: 81254
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 14.5 8.2 12.2#

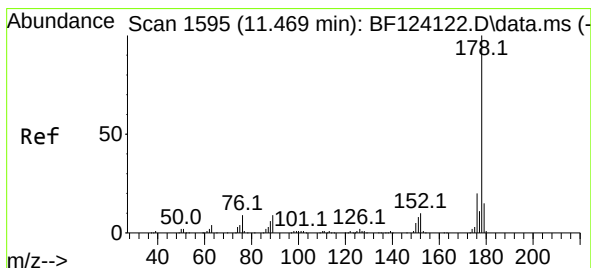
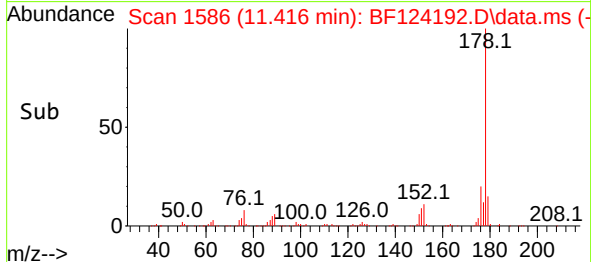
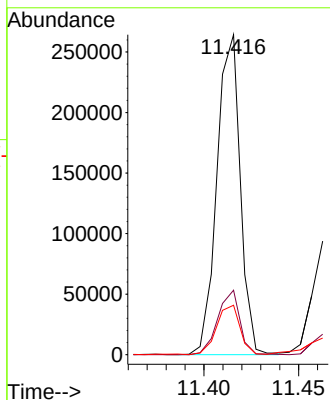
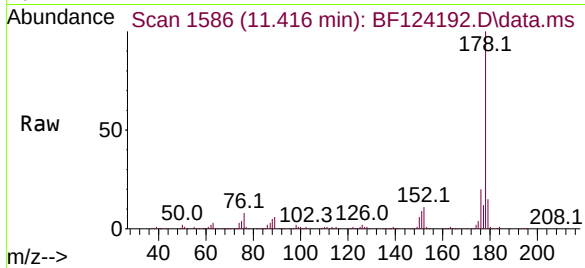




#71
Phenanthrene
Concen: 44.72 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

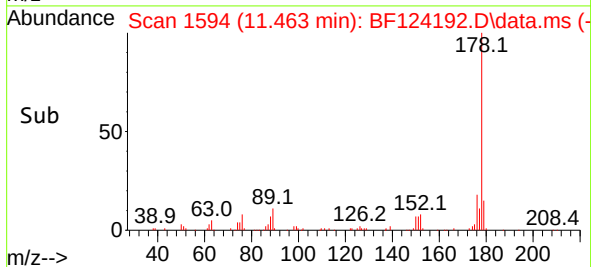
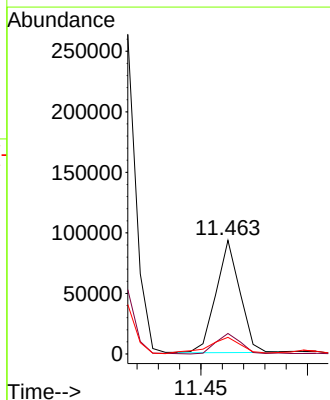
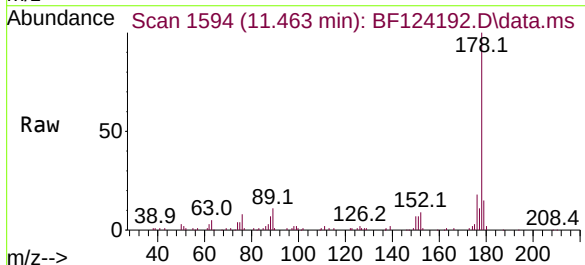
Instrument :
BNA_F
ClientSampleId :
339

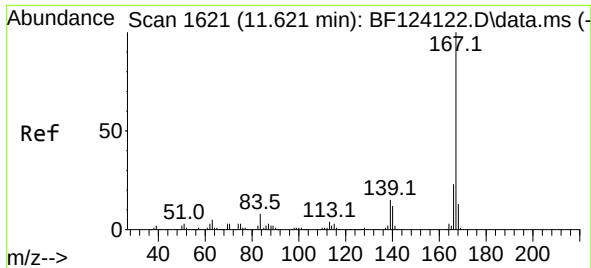
Tgt Ion:178 Resp: 226966
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 14.14 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:178 Resp: 72276
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 14.6 12.6 18.8

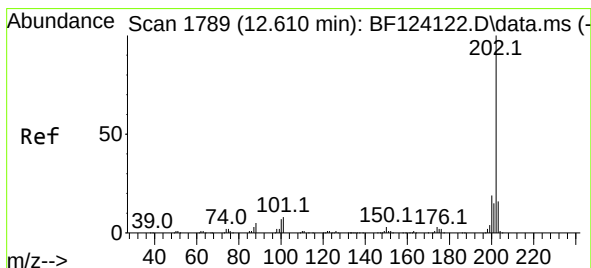
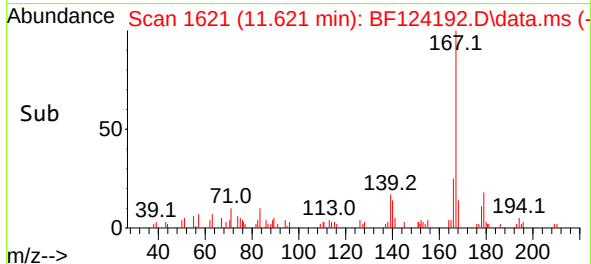
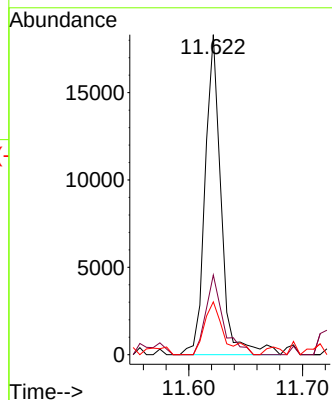
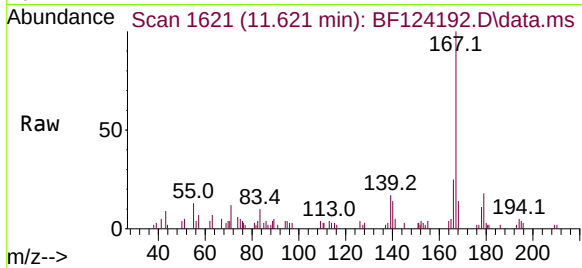




#73
 Carbazole
 Concen: 4.02 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF124192.D
 Acq: 8 Jun 2021 21:50

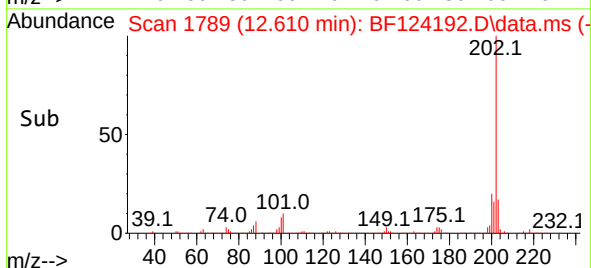
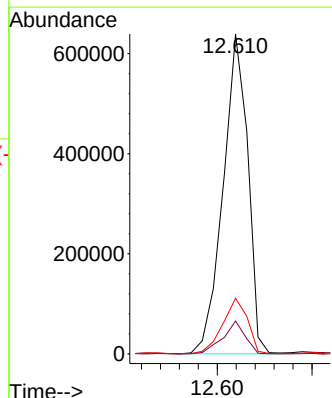
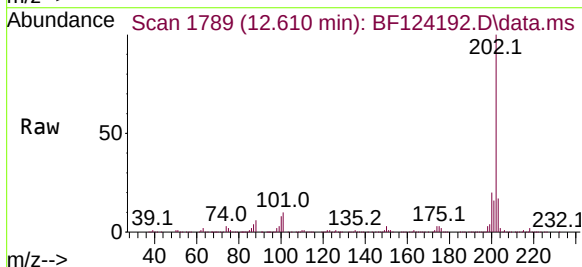
Instrument :
 BNA_F
 ClientSampled :
 339

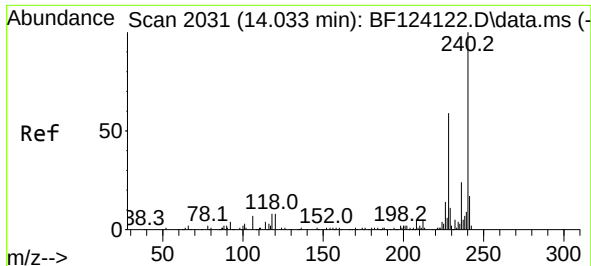
Tgt Ion:167 Resp: 17886
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.0 25.6
 139 16.5 10.4 15.6#



#75
 Fluoranthene
 Concen: 108.71 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF124192.D
 Acq: 8 Jun 2021 21:50

Tgt Ion:202 Resp: 579191
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.9
 203 17.4 0.0 37.5

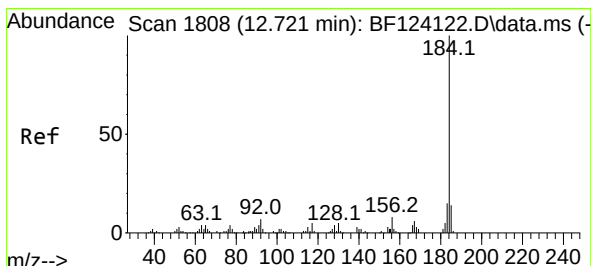
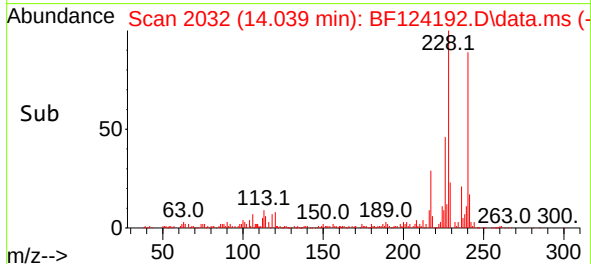
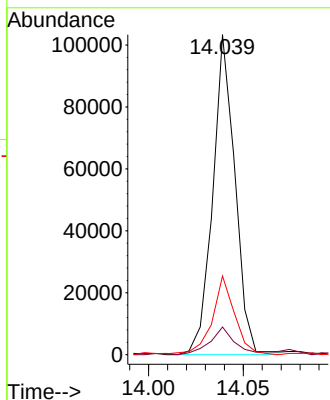
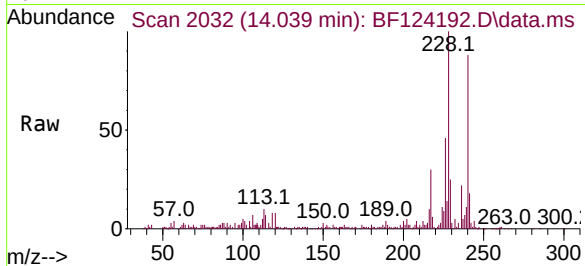




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

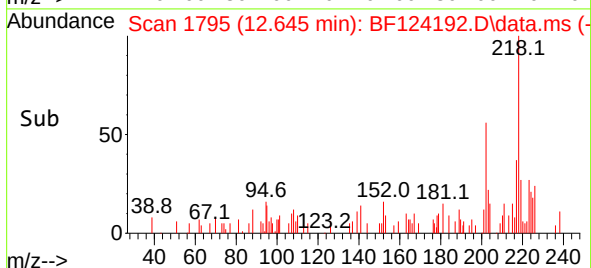
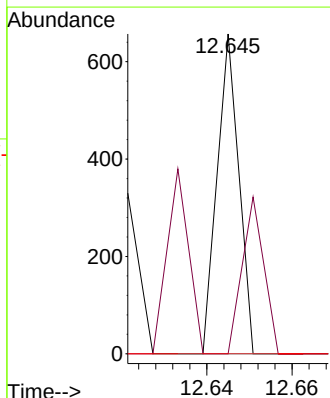
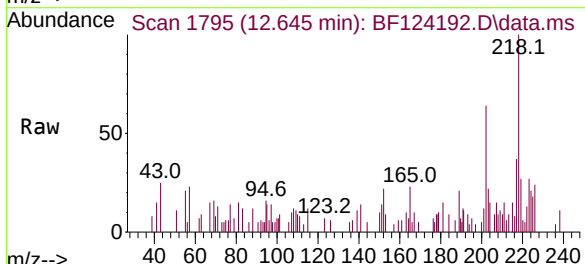
Instrument :
BNA_F
ClientSampleId :
339

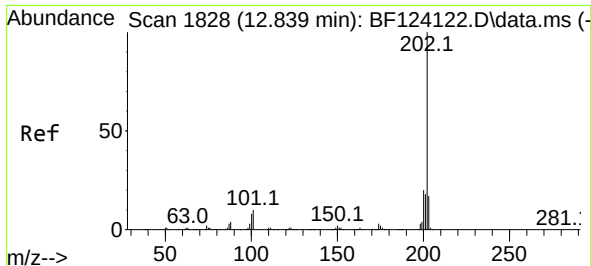
Tgt Ion:240 Resp: 84521
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 24.6 19.0 28.4



#77
Benzidine
Concen: 4.17 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.076 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:184 Resp: 232
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

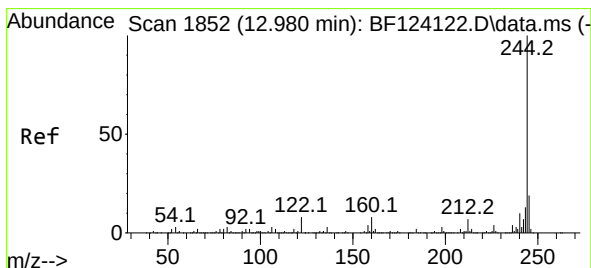
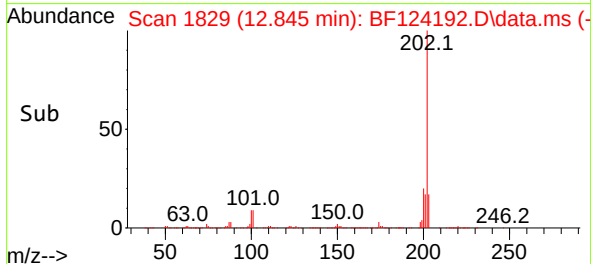
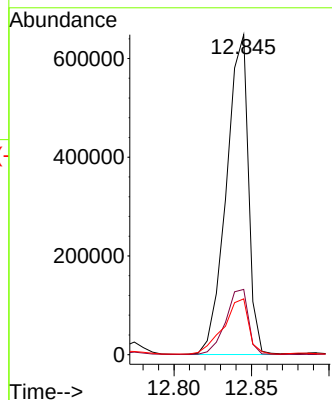
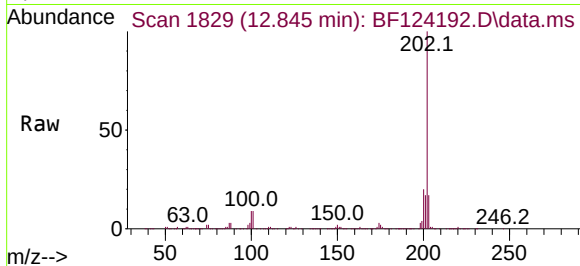




#78
Pyrene
Concen: 78.87 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

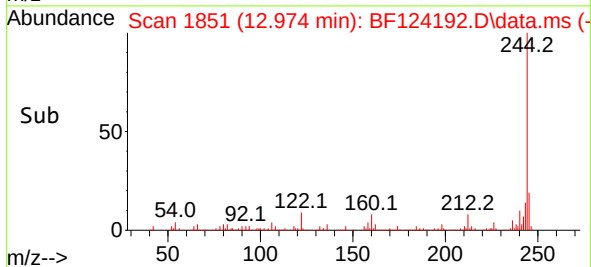
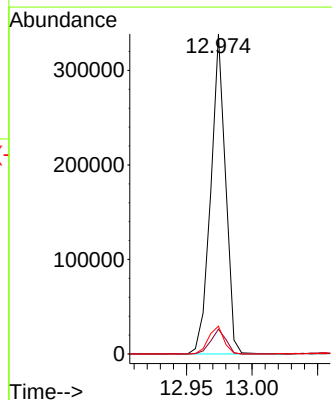
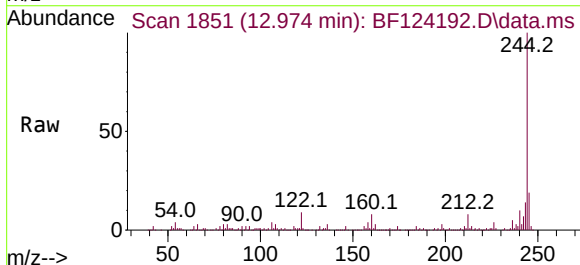
Instrument :
BNA_F
ClientSampleId :
339

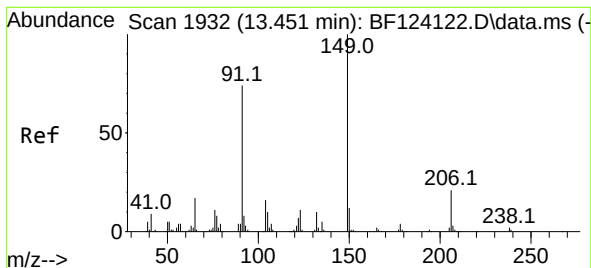
Tgt Ion:202 Resp: 640123
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.4 14.8 22.2



#79
Terphenyl-d14
Concen: 43.15 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:244 Resp: 265635
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 8.7 9.7 14.5#

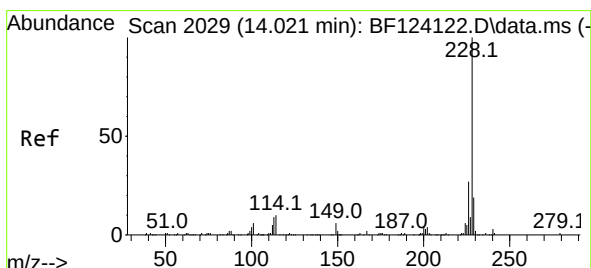
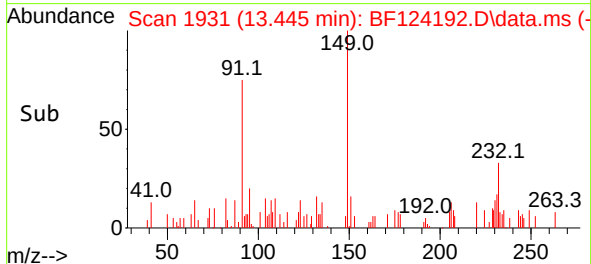
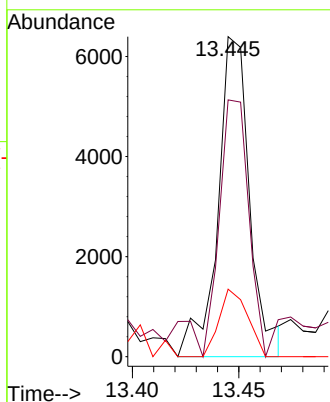
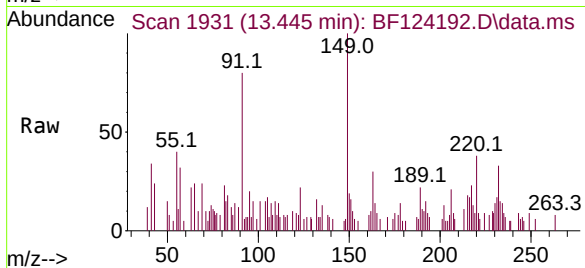




#80
Butylbenzylphthalate
Concen: 2.03 ng
RT: 13.445 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

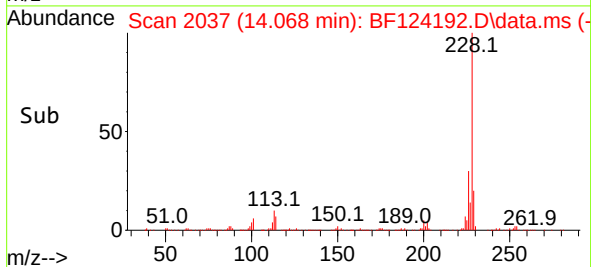
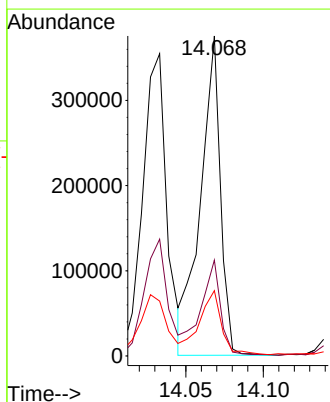
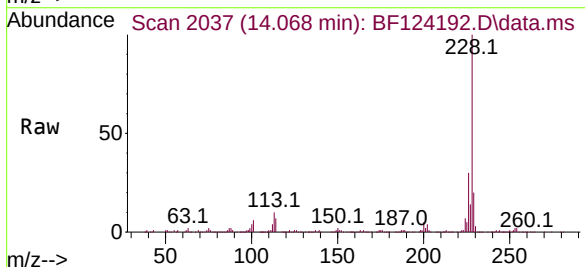
Instrument :
BNA_F
ClientSampleId :
339

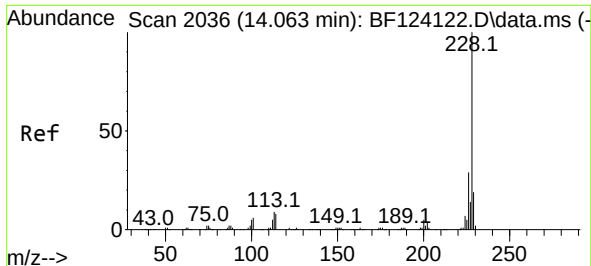
Tgt Ion:	149	Resp:	6680
Ion Ratio	Lower	Upper	
149	100		
91	80.2	63.6	95.4
206	21.1	14.5	21.7



#81
Benzo(a)anthracene
Concen: 54.45 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.047 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:	228	Resp:	335266
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.4	33.6
229	20.4	16.0	24.0

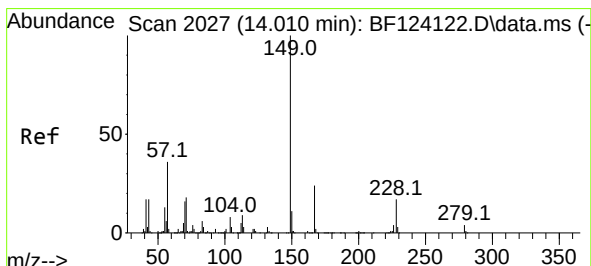
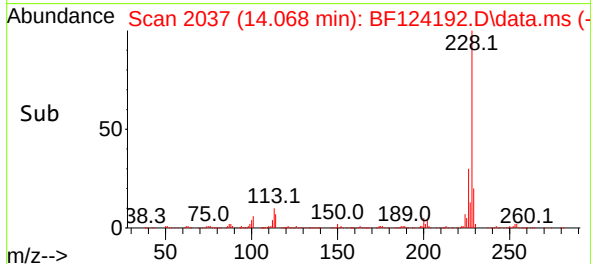
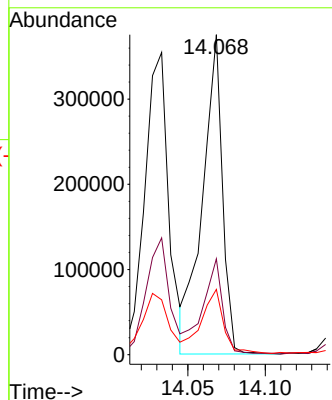
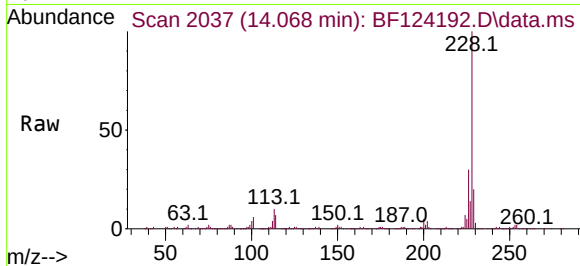




#83
Chrysene
Concen: 56.44 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

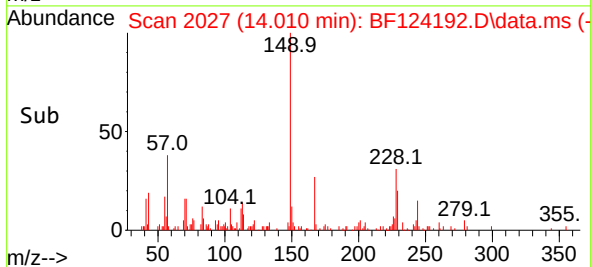
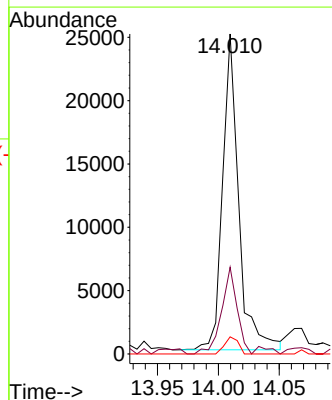
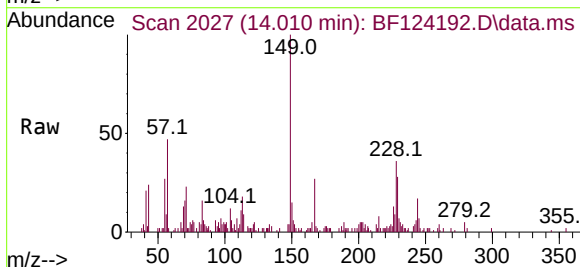
Instrument :
BNA_F
ClientSampleId :
339

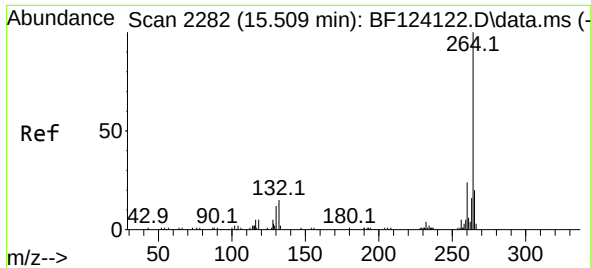
Tgt Ion:228 Resp: 335266
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.4 16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.87 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:149 Resp: 22973
Ion Ratio Lower Upper
149 100
167 27.1 21.8 32.6
279 5.4 3.3 4.9#

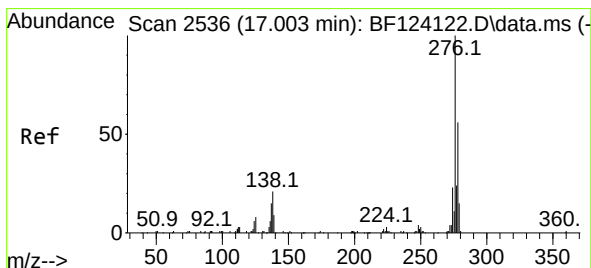
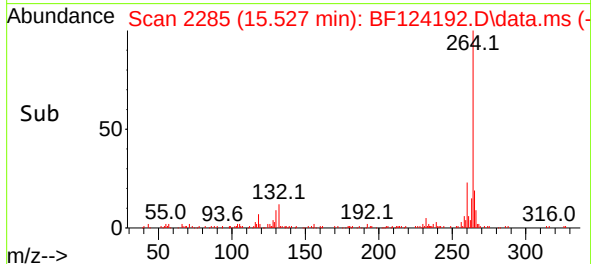
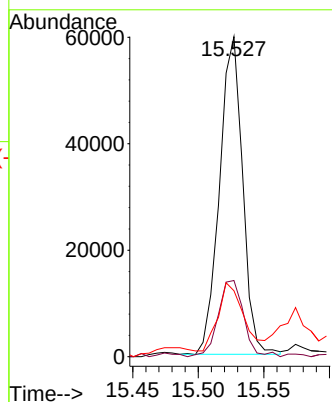
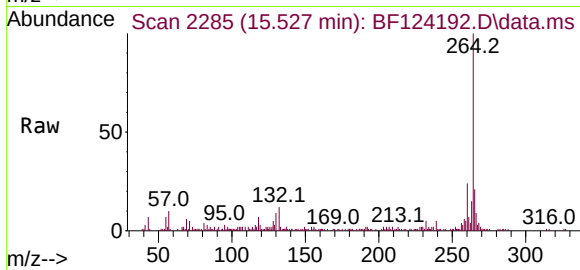




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

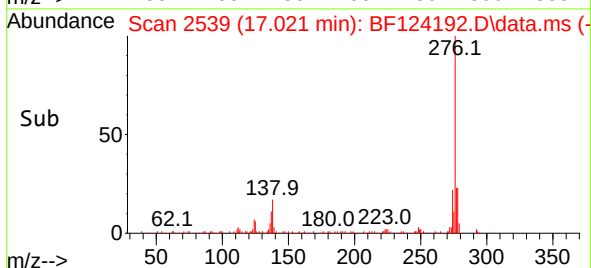
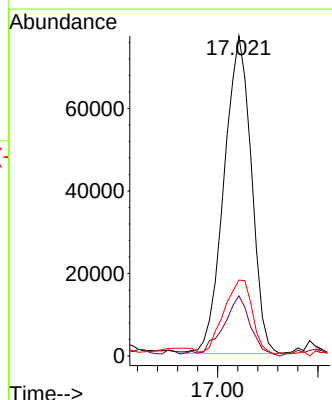
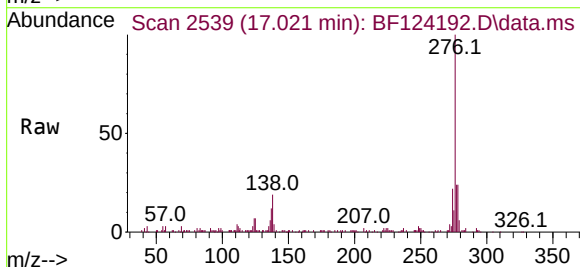
Instrument :
BNA_F
ClientSampleId :
339

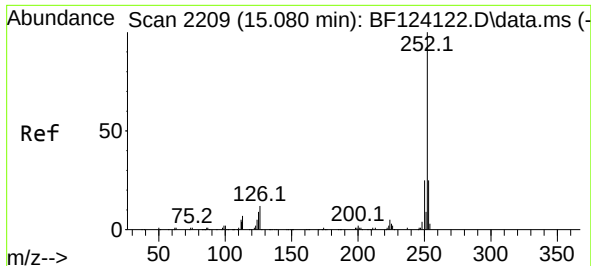
Tgt Ion:	264	Resp:	72880
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	20.6	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 26.18 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:	276	Resp:	145654
Ion Ratio	Lower	Upper	
276	100		
138	19.1	16.2	24.2
277	24.0	20.1	30.1

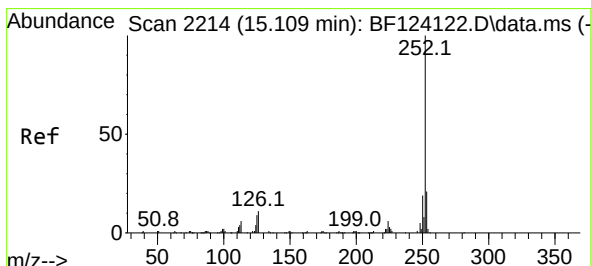
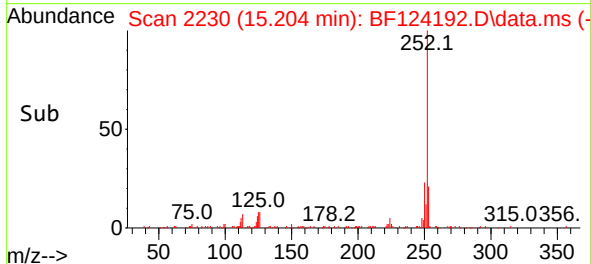
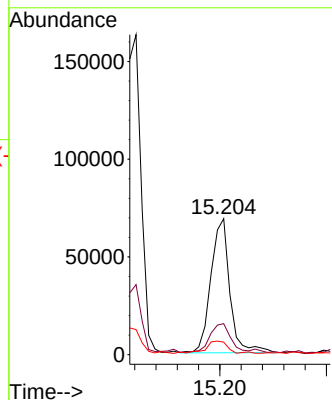
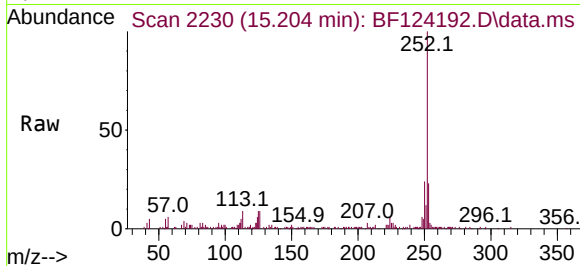




#88
Benzo(b)fluoranthene
Concen: 15.05 ng
RT: 15.204 min Scan# 2230
Delta R.T. 0.124 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

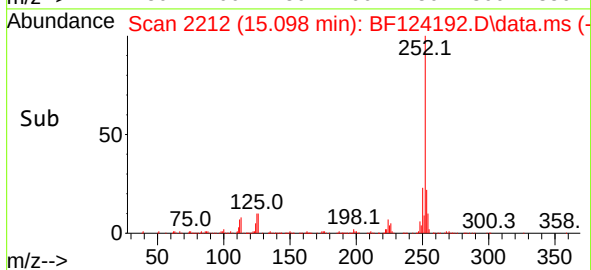
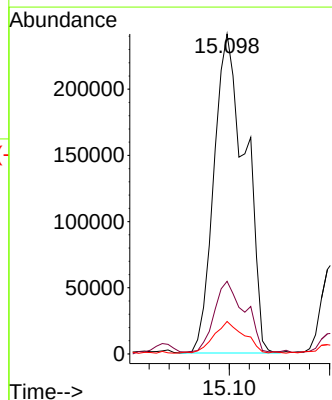
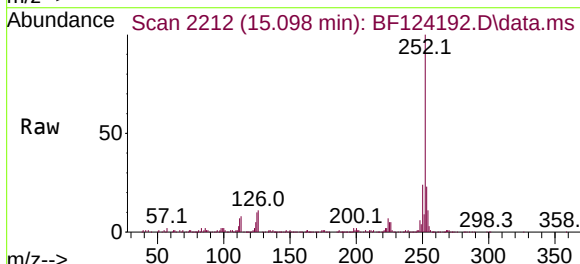
Instrument :
BNA_F
ClientSampleId :
339

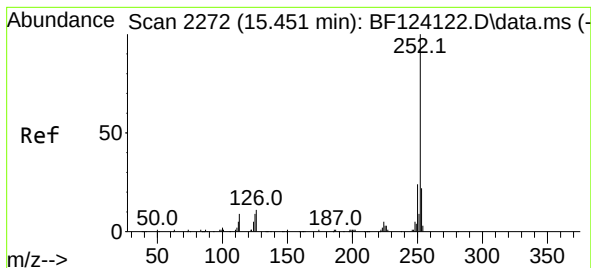
Tgt Ion:252 Resp: 85177
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 9.1 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 98.27 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF124192.D
Acq: 8 Jun 2021 21:50

Tgt Ion:252 Resp: 526664
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.1 7.0 10.6





#90

Benzo(a)pyrene

Concen: 59.58 ng

RT: 15.468 min Scan# 2275

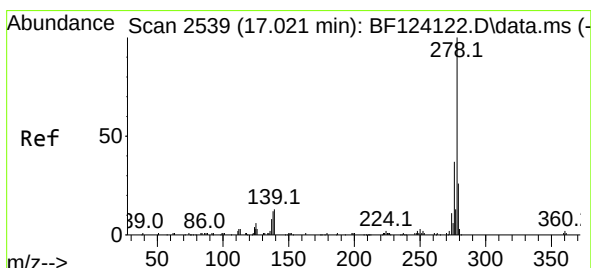
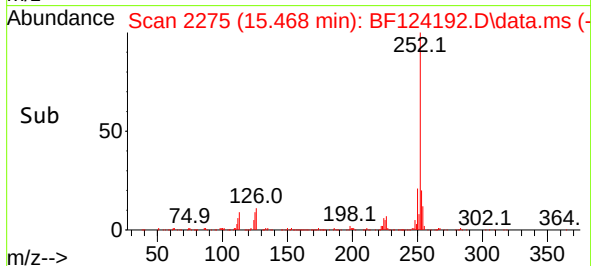
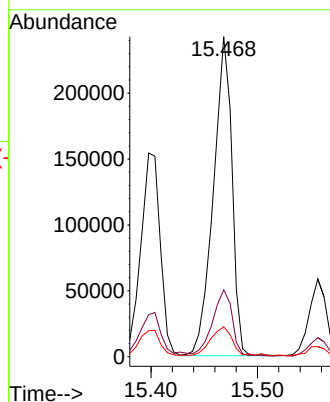
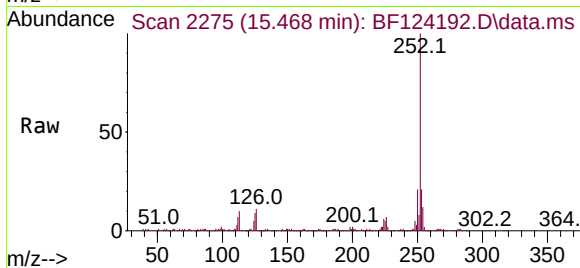
Delta R.T. 0.018 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

Tgt Ion:252	Resp:	292966
Ion Ratio	Lower	Upper
252	100	
253	20.9	18.4 27.6
125	9.3	8.0 12.0

Instrument :
BNA_F
ClientSampled :
339



#91

Dibenzo(a,h)anthracene

Concen: 5.72 ng

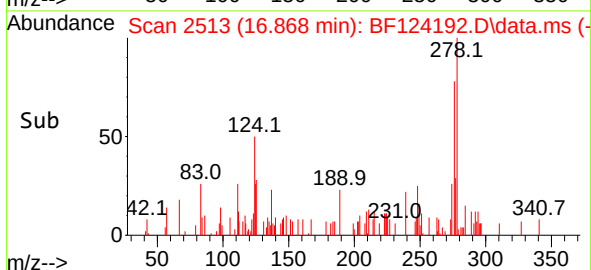
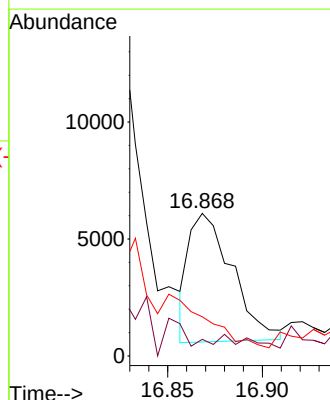
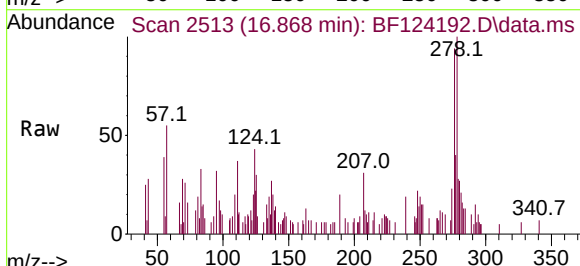
RT: 16.868 min Scan# 2513

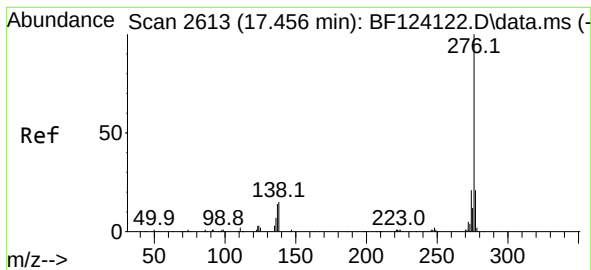
Delta R.T. -0.153 min

Lab File: BF124192.D

Acq: 8 Jun 2021 21:50

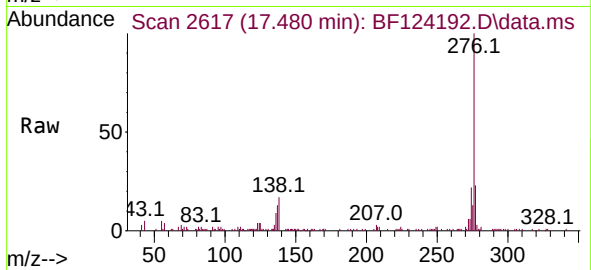
Tgt Ion:278	Resp:	8746
Ion Ratio	Lower	Upper
278	100	
139	11.7	10.2 15.2
279	27.5	19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 27.32 ng
 RT: 17.480 min Scan# 2617
 Delta R.T. 0.024 min
 Lab File: BF124192.D
 Acq: 8 Jun 2021 21:50

Instrument :
 BNA_F
 ClientSampleId :
 339



Tgt Ion: 276 Resp: 130472

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.2	27.2
138	17.0	13.8	20.6

