

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124195.D
 Acq On : 8 Jun 2021 23:29
 Operator : JU/CG
 Sample : M2589-12RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B10(2-4)RE

Quant Time: Jun 09 04:10:12 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)

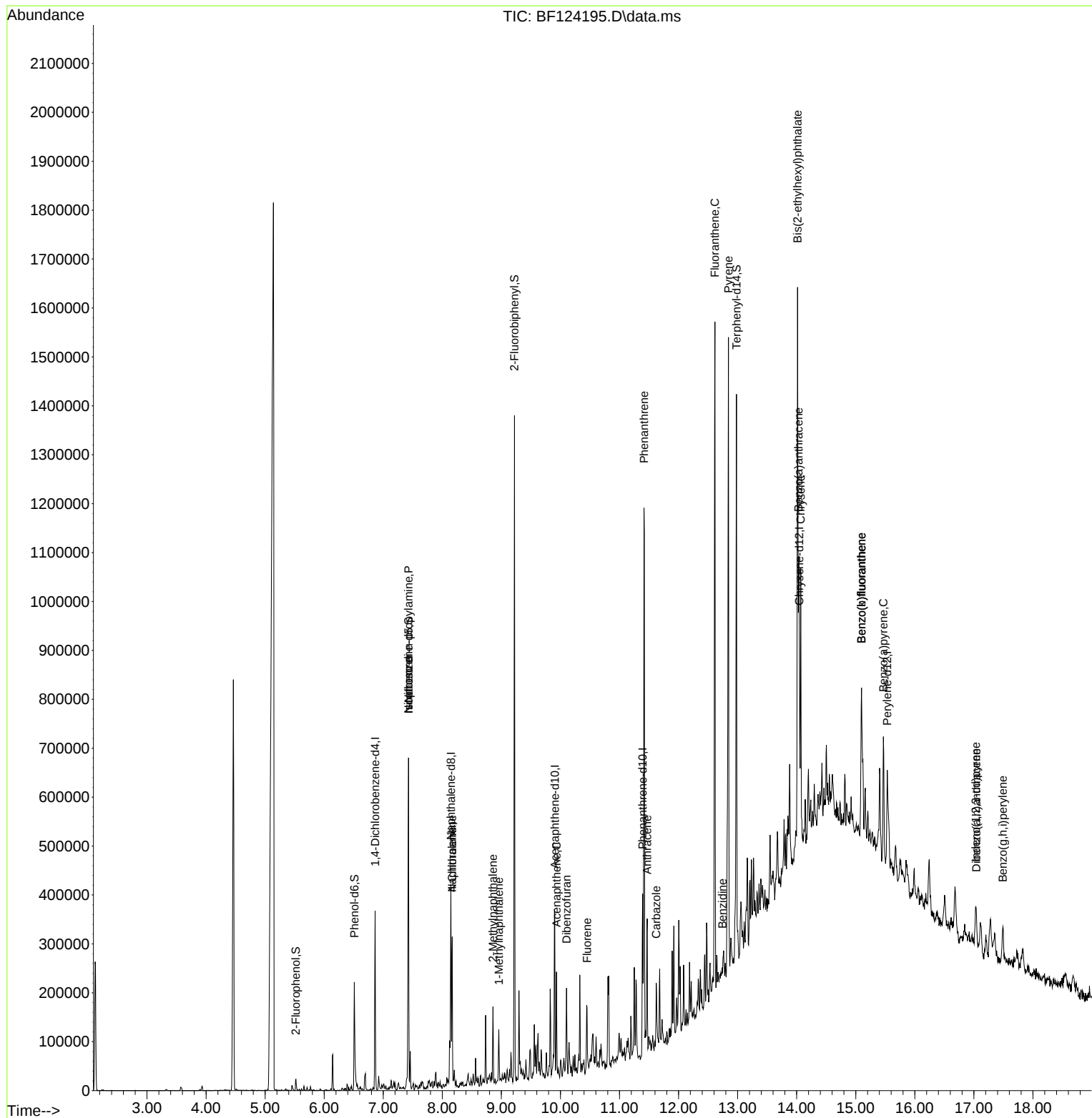
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	39534	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	136595	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	64668	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	104000	20.00	ng	# 0.00
76) Chrysene-d12	14.045	240	89504	20.00	ng	0.01
86) Perylene-d12	15.533	264	63234	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	7248	2.76	ng	0.03
7) Phenol-d6	6.510	99	68849	19.50	ng	0.00
23) Nitrobenzene-d5	7.428	82	200460	58.20	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.222	172	320860	62.44	ng	0.00
79) Terphenyl-d14	12.980	244	316084	48.49	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	30495	12.24	ng	# 63
25) Isophorone	7.428	82	200312	32.28	ng	# 69
31) Naphthalene	8.169	128	97928	11.99	ng	98
33) 4-Chloroaniline	8.169	127	15059	4.96	ng	# 37
37) 2-Methylnaphthalene	8.857	142	30453	5.32	ng	88
38) 1-Methylnaphthalene	8.957	142	21543	4.03	ng	81
52) Acenaphthene	9.933	154	33579	7.96	ng	95
55) Dibenzofuran	10.104	168	40852	6.19	ng	95
58) Fluorene	10.451	166	31685	6.25	ng	# 97
71) Phenanthrene	11.416	178	426500	65.65	ng	97
72) Anthracene	11.469	178	93470	14.29	ng	95
73) Carbazole	11.622	167	35367	6.20	ng	95
75) Fluoranthene	12.616	202	523842	76.82	ng	97
77) Benzidine	12.745	184	883	4.45	ng	# 10
78) Pyrene	12.845	202	475591	55.34	ng	99
81) Benzo(a)anthracene	14.033	228	204956	31.43	ng	97
83) Chrysene	14.068	228	164208	26.10	ng	95
84) Bis(2-ethylhexyl)phtha...	14.016	149	258044	62.22	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	53381	13.56	ng	98
88) Benzo(b)fluoranthene	15.098	252	215052	43.78	ng	# 93
89) Benzo(k)fluoranthene	15.098	252	215052	46.25	ng	# 93
90) Benzo(a)pyrene	15.468	252	110558	25.91	ng	# 93
91) Dibenzo(a,h)anthracene	17.045	278	16549	7.54	ng	# 70
92) Benzo(g,h,i)perylene	17.492	276	56613	15.57	ng	97

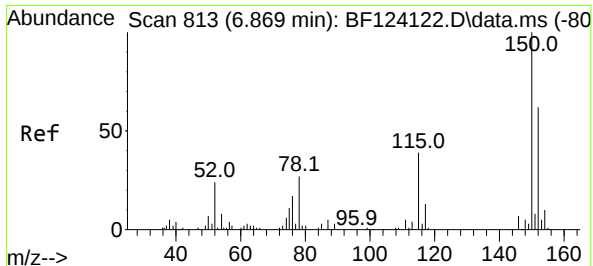
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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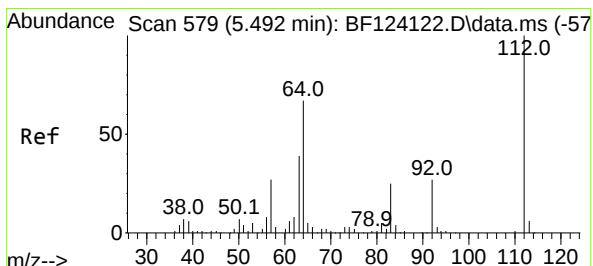
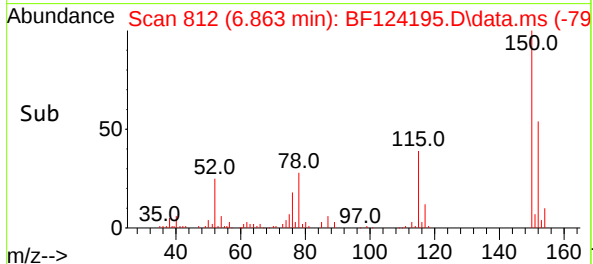
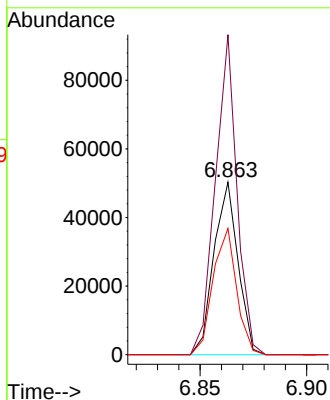
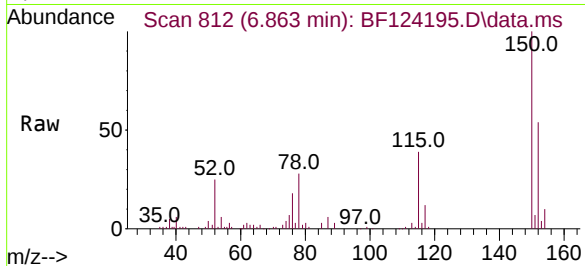




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

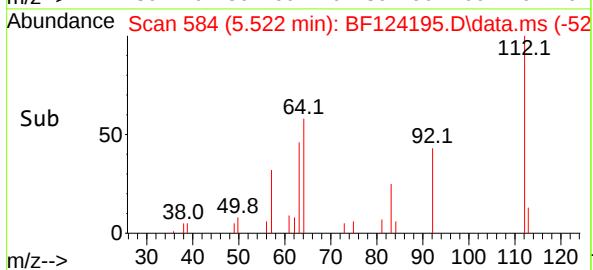
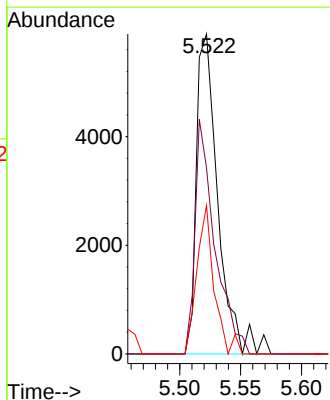
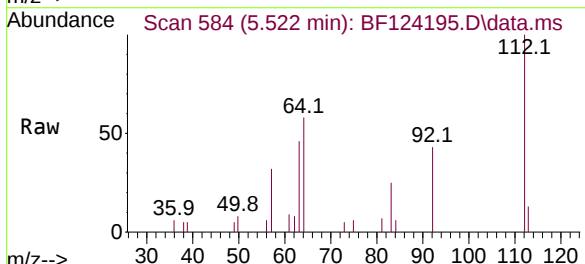
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

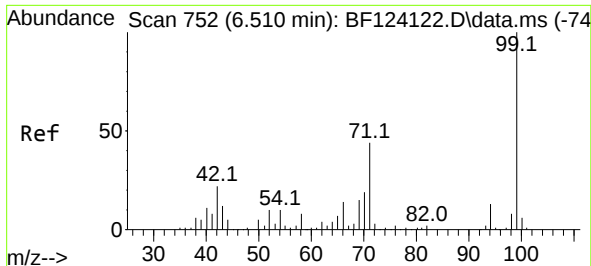
Tgt Ion:152 Resp: 39534
Ion Ratio Lower Upper
152 100
150 185.6 127.0 190.6
115 73.3 54.3 81.5



#5
2-Fluorophenol
Concen: 2.76 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.030 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:112 Resp: 7248
Ion Ratio Lower Upper
112 100
64 58.1 61.4 92.0#
63 46.4 33.0 49.4

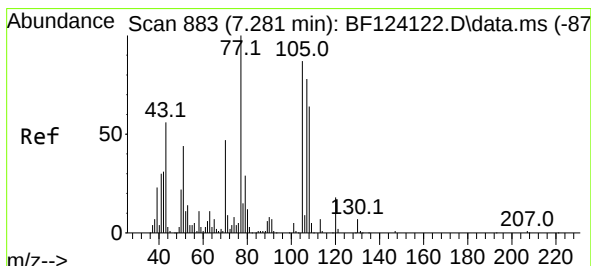
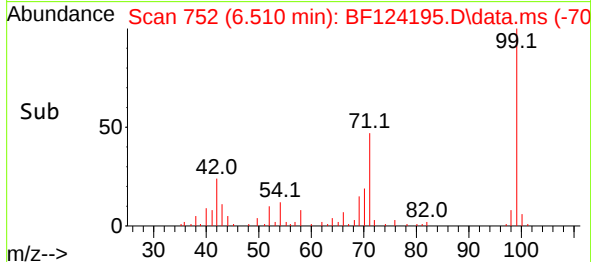
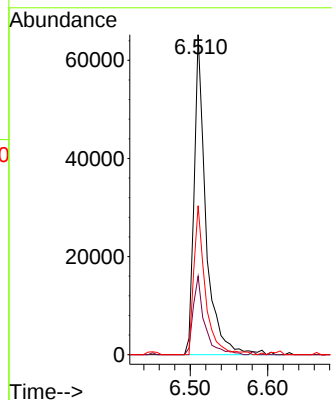
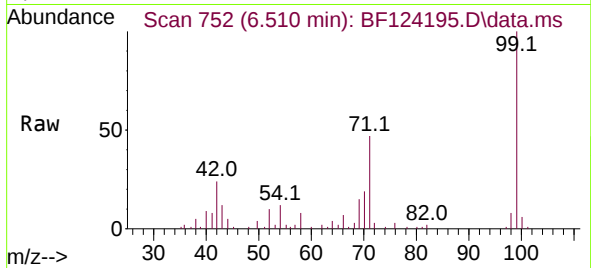




#7
Phenol-d6
Concen: 19.50 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

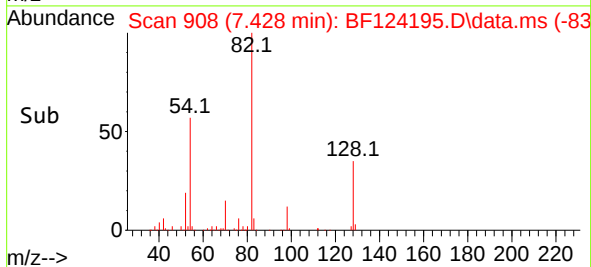
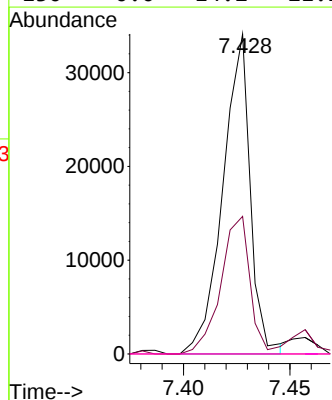
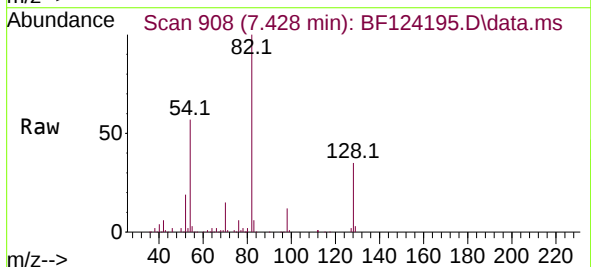
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

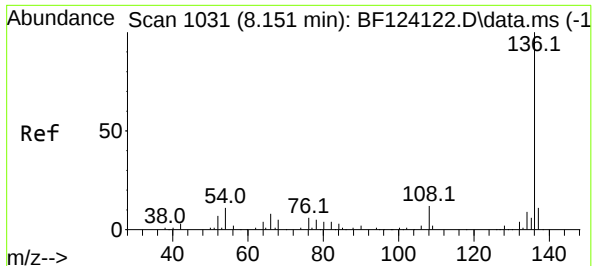
Tgt Ion: 99 Resp: 68849
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.8
71 46.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.24 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

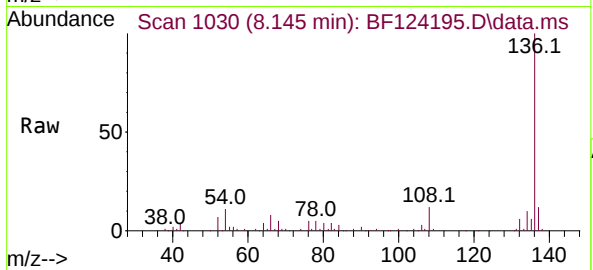
Tgt Ion: 70 Resp: 30495
Ion Ratio Lower Upper
70 100
42 43.0 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



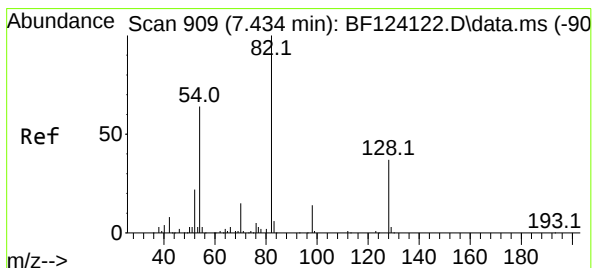
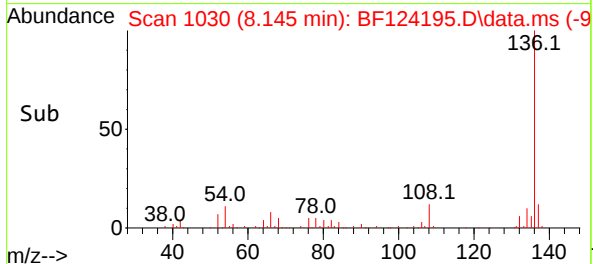
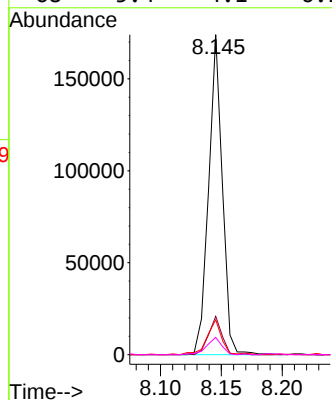


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

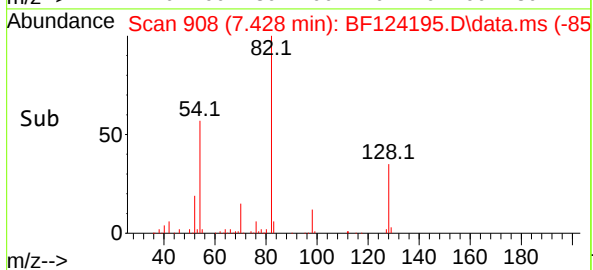
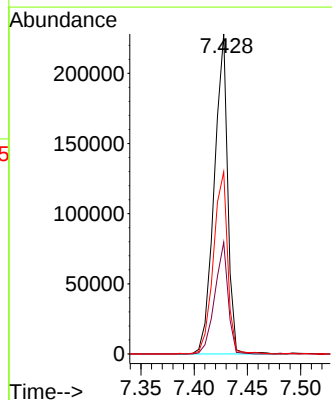
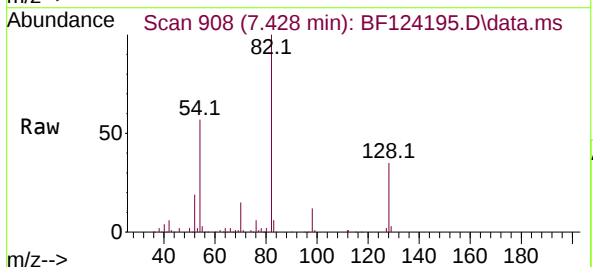


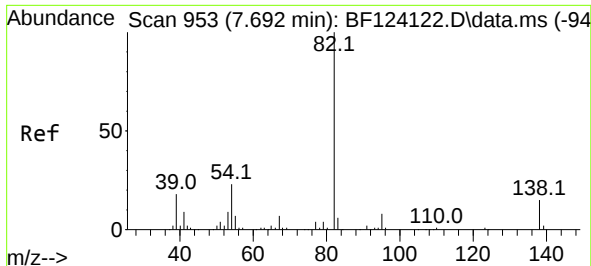
Tgt Ion:136	Resp:	136595
Ion Ratio	Lower	Upper
136	100	
137	12.0	8.7 13.1
54	10.9	9.8 14.6
68	5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 58.20 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion: 82	Resp:	200460
Ion Ratio	Lower	Upper
82	100	
128	34.9	29.4 44.2
54	56.9	54.1 81.1

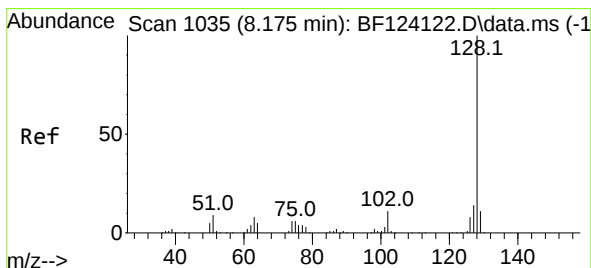
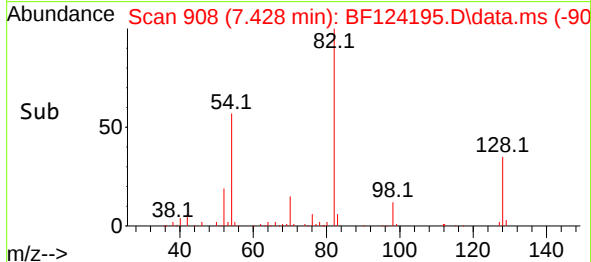
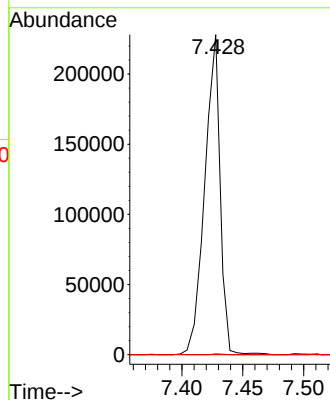
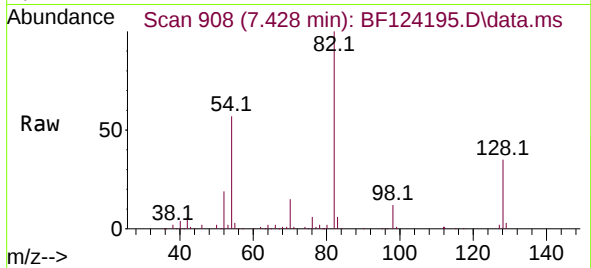




#25
Isophorone
Concen: 32.28 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

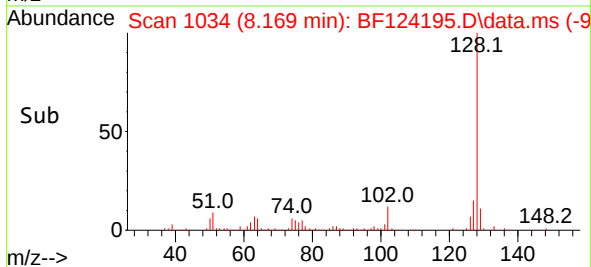
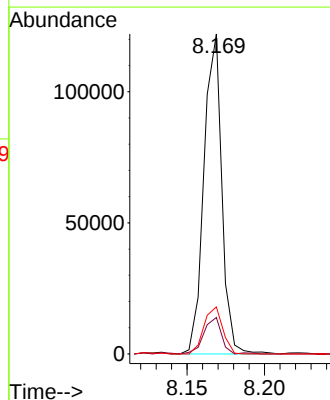
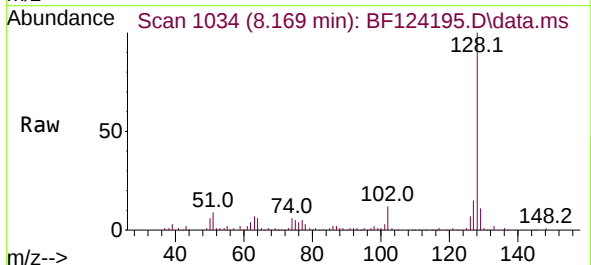
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

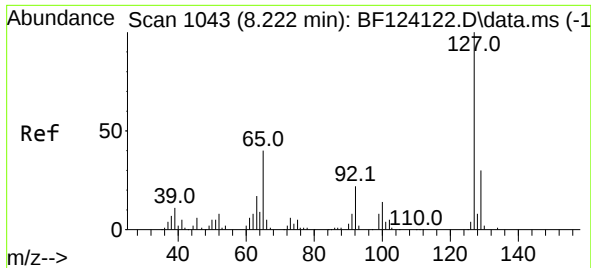
Tgt Ion: 82 Resp: 200312
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 11.99 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion: 128 Resp: 97928
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 14.7 10.8 16.2

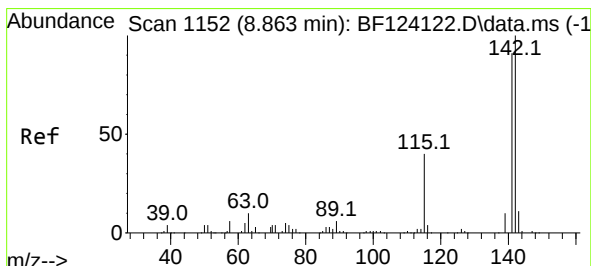
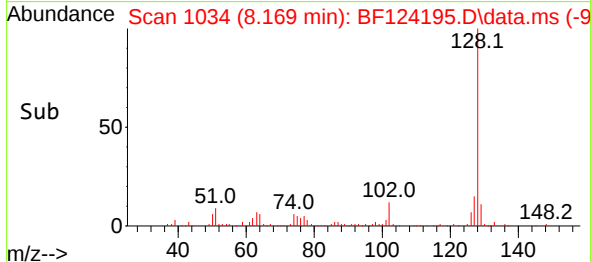
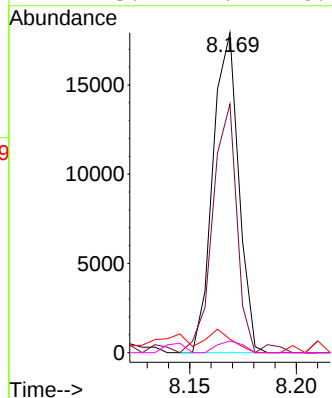
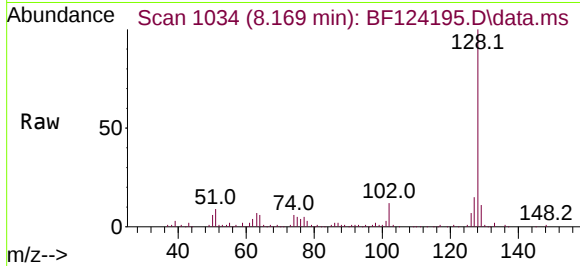




#33
4-Chloroaniline
Concen: 4.96 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

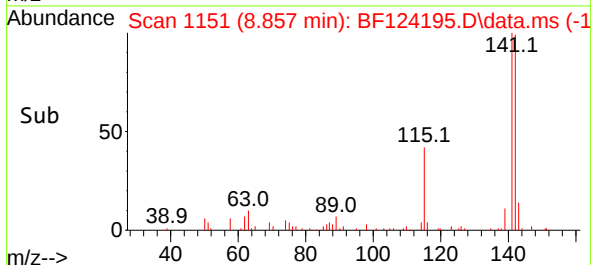
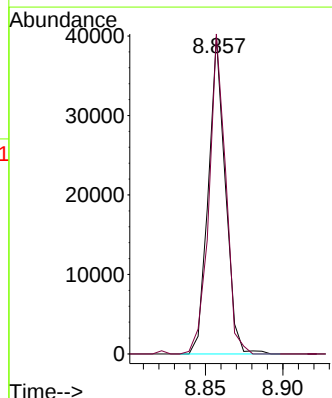
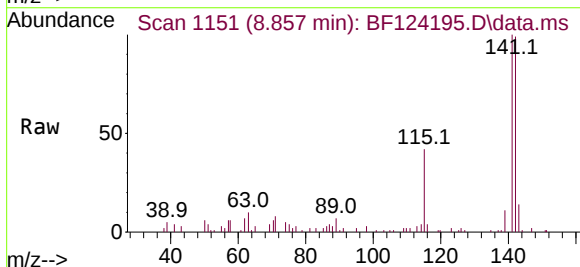
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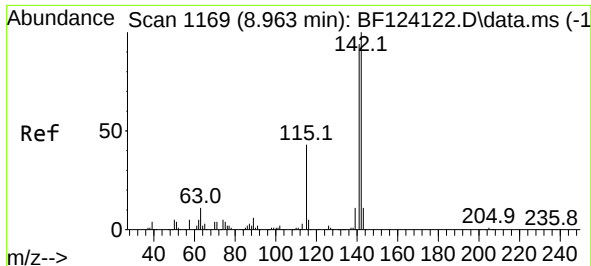
Tgt Ion:127	Resp:	15059
Ion Ratio	Lower	Upper
127	100	
129	77.7	25.7 38.5#
65	4.2	34.5 51.7#
92	3.7	17.4 26.0#



#37
2-Methylnaphthalene
Concen: 5.32 ng
RT: 8.857 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:142	Resp:	30453
Ion Ratio	Lower	Upper
142	100	
141	100.9	71.8 107.6

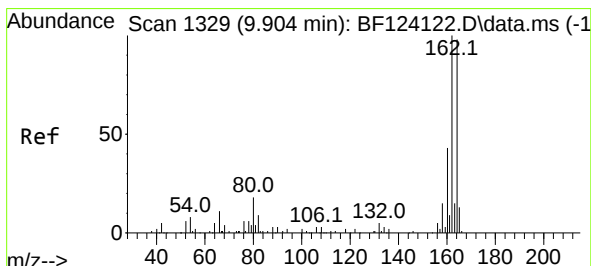
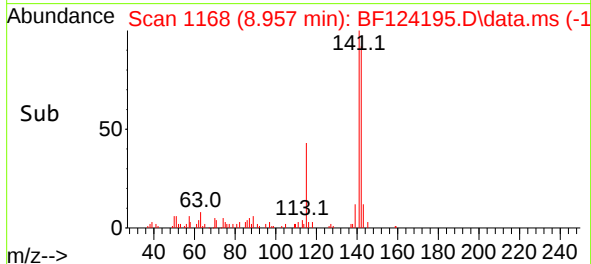
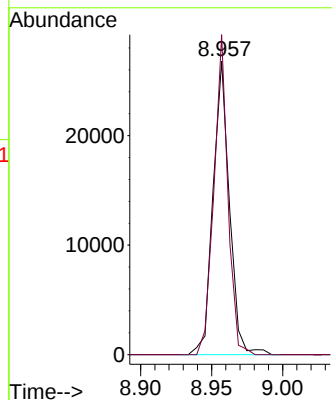
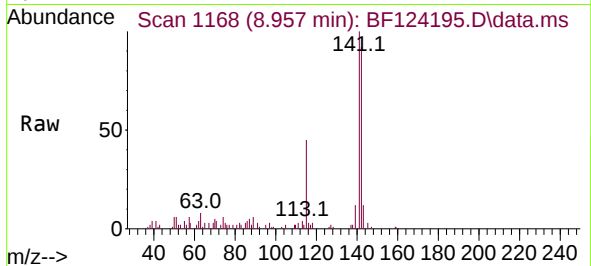




#38
1-Methylnaphthalene
Concen: 4.03 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

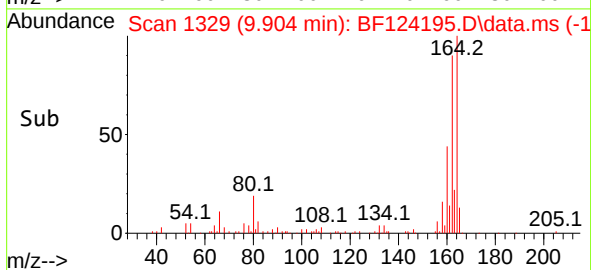
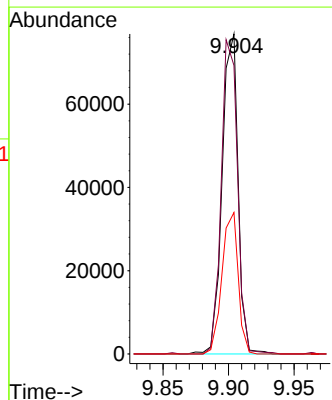
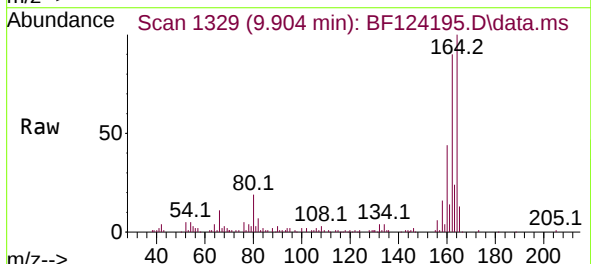
Instrument :
BNA_F
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18-B10(2-4)RE

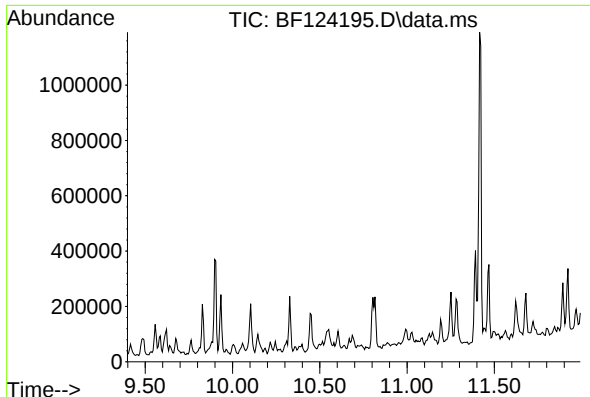
Tgt Ion:142 Resp: 21543
Ion Ratio Lower Upper
142 100
141 109.0 72.8 109.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:164 Resp: 64668
Ion Ratio Lower Upper
164 100
162 90.2 80.7 121.1
160 44.2 37.3 55.9



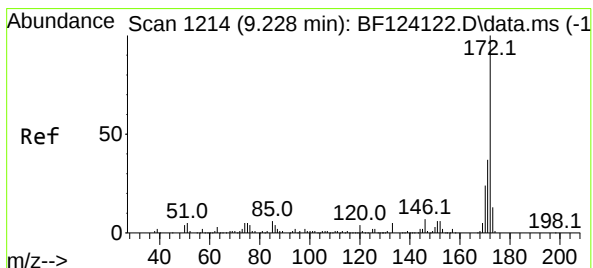
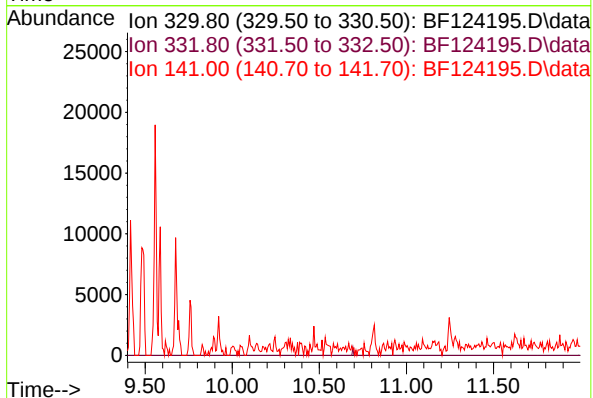


#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 10.70 min

Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

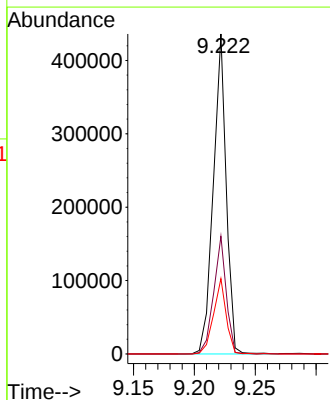
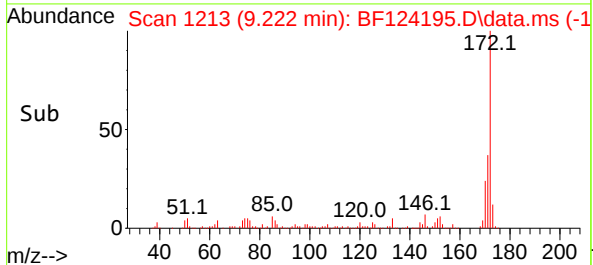
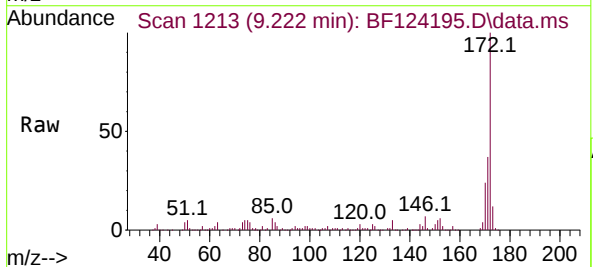
Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.4
141 34.9

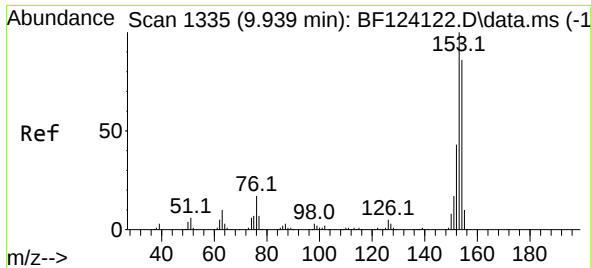
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE



#45
2-Fluorobiphenyl
Concen: 62.44 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion: 172 Resp: 320860
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 23.6 19.2 28.8

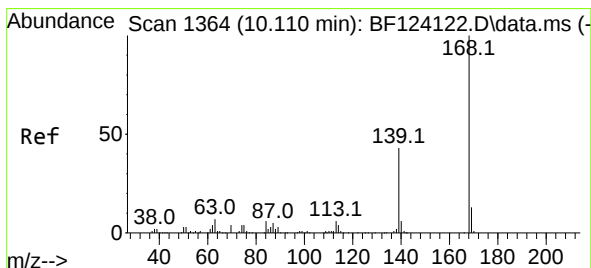
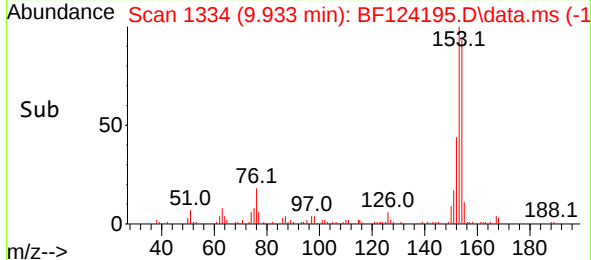
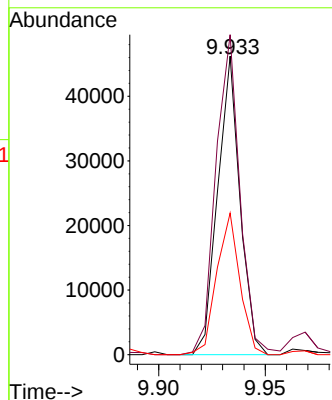
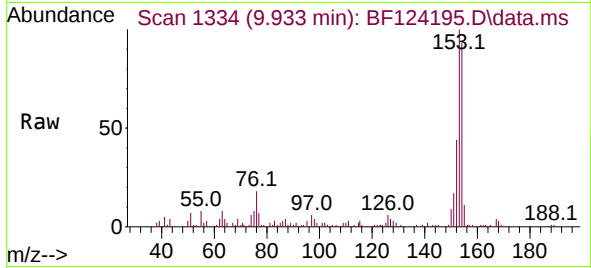




#52
Acenaphthene
Concen: 7.96 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

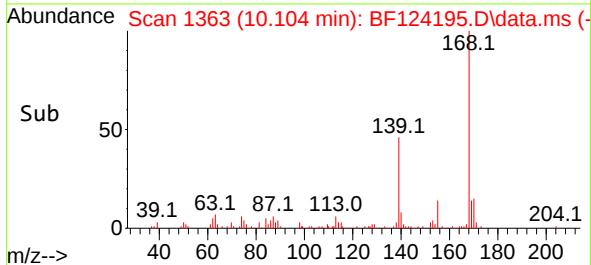
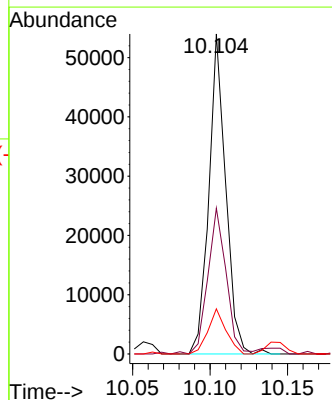
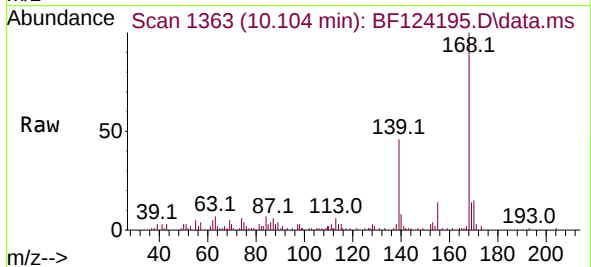
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

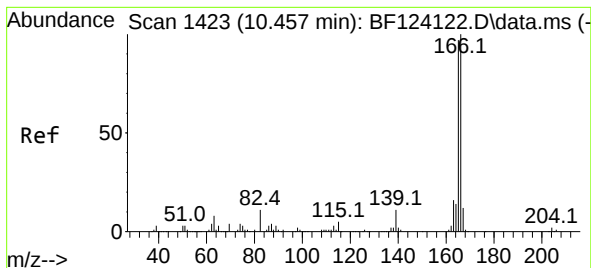
Tgt Ion:154 Resp: 33579
Ion Ratio Lower Upper
154 100
153 107.2 88.1 132.1
152 47.4 43.4 65.0



#55
Dibenzofuran
Concen: 6.19 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:168 Resp: 40852
Ion Ratio Lower Upper
168 100
139 45.6 33.2 49.8
169 14.1 10.8 16.2





#58

Fluorene

Concen: 6.25 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

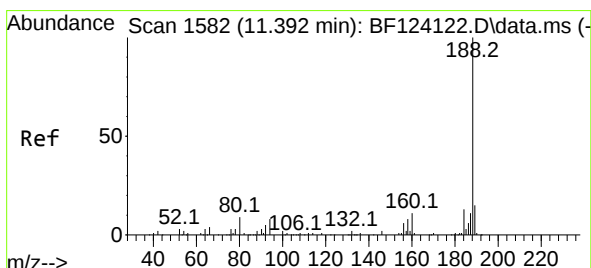
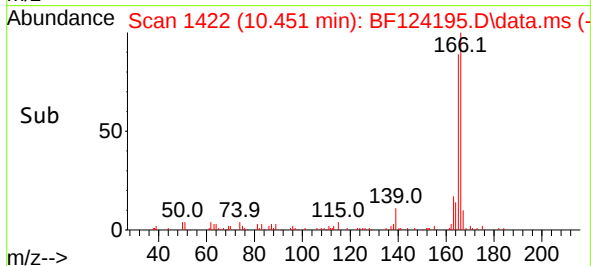
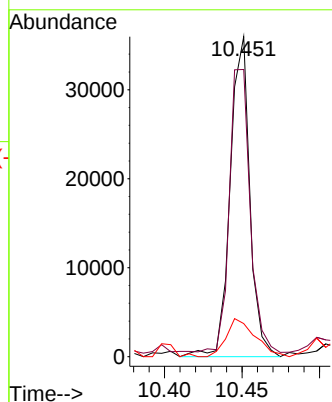
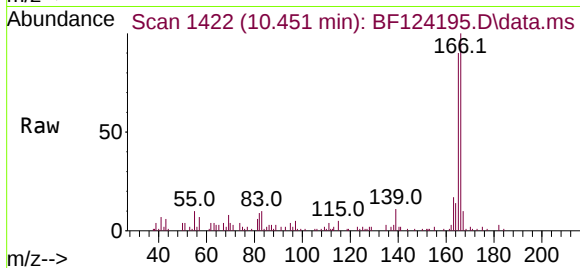
Instrument :

BNA_F

ClientSampleId :

18-B10(2-4)RE

Tgt Ion:166	Resp: 31685
Ion Ratio	Lower Upper
166	100
165	89.7 73.5 110.3
167	10.4 10.7 16.1#



#64

Phenanthrene-d10

Concen: 20.00 ng

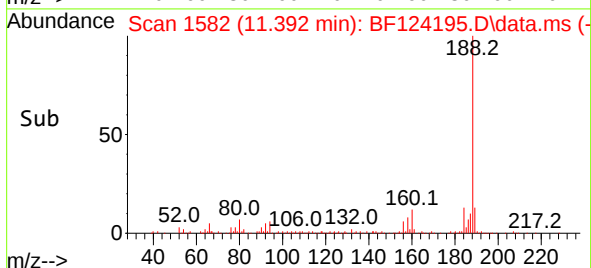
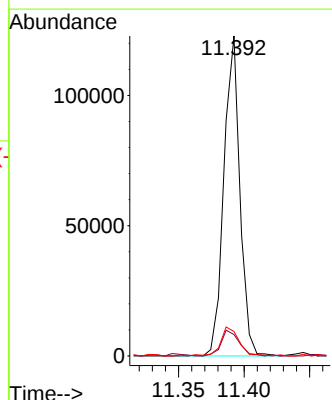
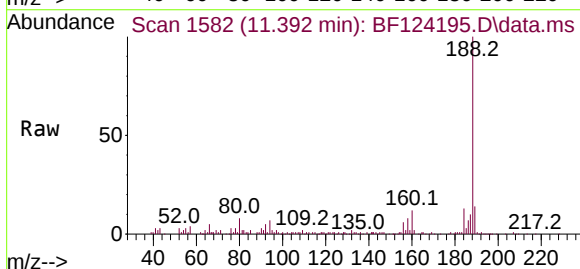
RT: 11.392 min Scan# 1582

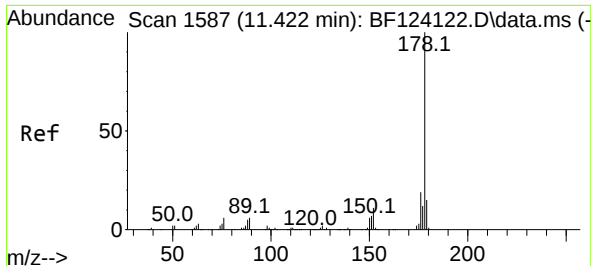
Delta R.T. 0.000 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

Tgt Ion:188	Resp: 104000
Ion Ratio	Lower Upper
188	100
94	6.7 6.9 10.3#
80	7.6 8.2 12.2#

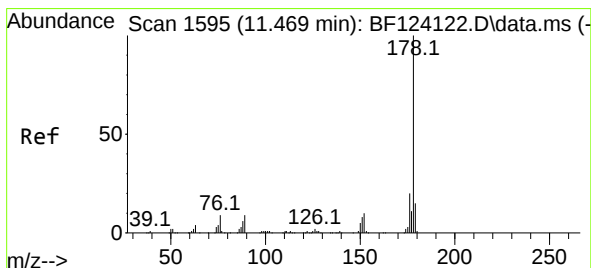
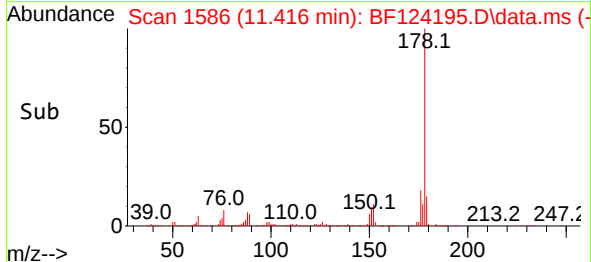
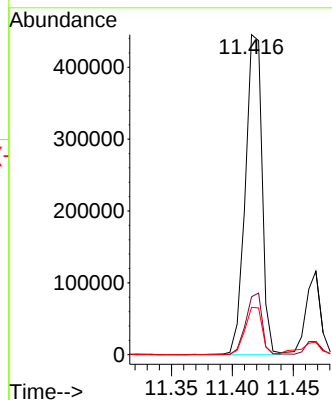
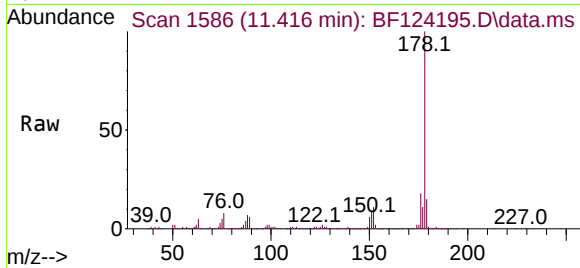




#71
Phenanthrene
Concen: 65.65 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

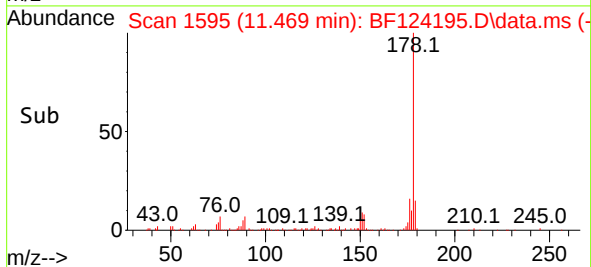
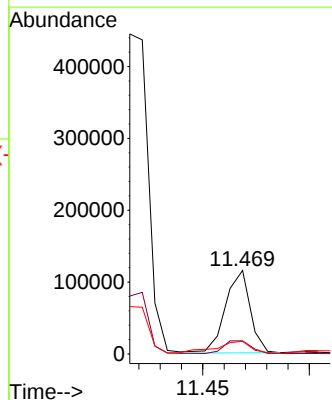
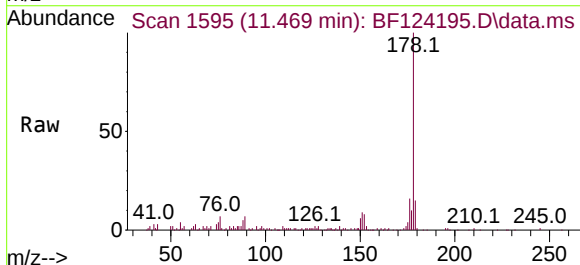
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

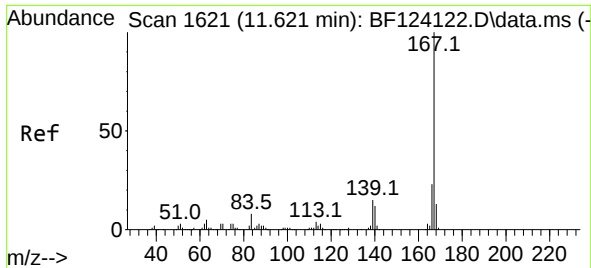
Tgt Ion:178 Resp: 426500
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 14.8 12.5 18.7



#72
Anthracene
Concen: 14.29 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:178 Resp: 93470
Ion Ratio Lower Upper
178 100
176 15.8 15.4 23.0
179 15.2 12.6 18.8

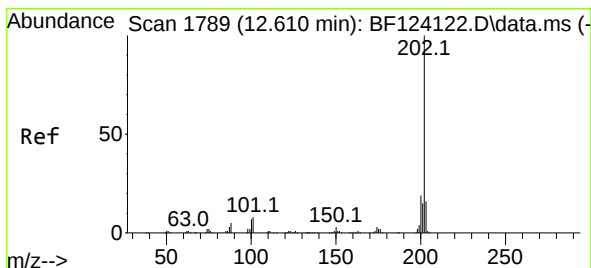
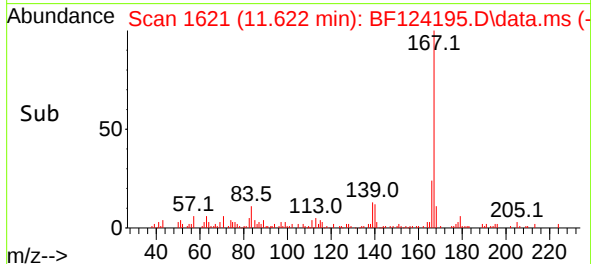
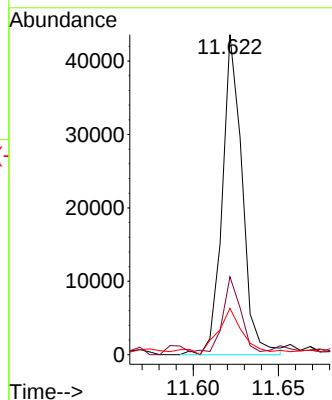
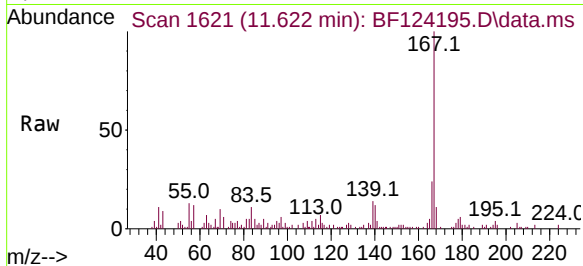




#73
 Carbazole
 Concen: 6.20 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF124195.D
 Acq: 8 Jun 2021 23:29

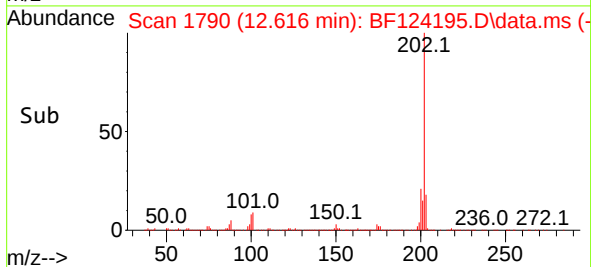
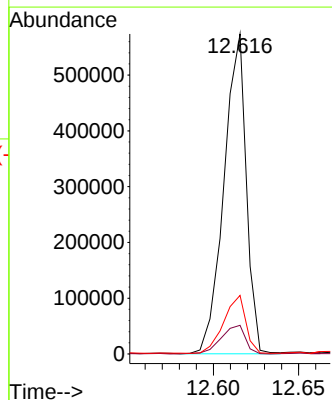
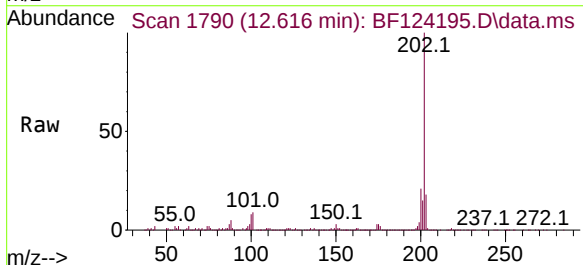
Instrument :
 BNA_F
 ClientSampleId :
 18-B10(2-4)RE

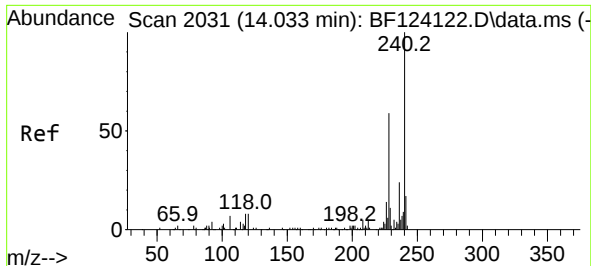
Tgt Ion:	167	Resp:	35367
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.0	25.6
139	14.5	10.4	15.6



#75
 Fluoranthene
 Concen: 76.82 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF124195.D
 Acq: 8 Jun 2021 23:29

Tgt Ion:	202	Resp:	523842
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	30.9
203	18.3	0.0	37.5

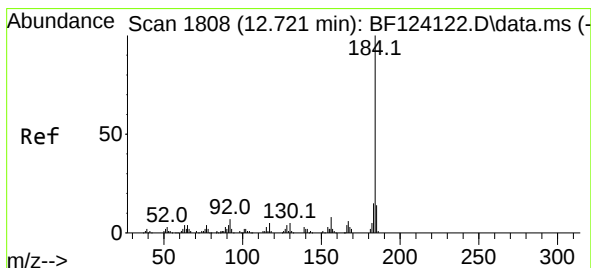
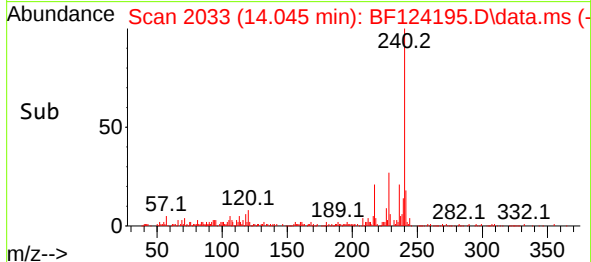
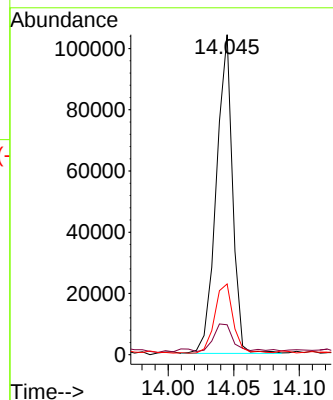
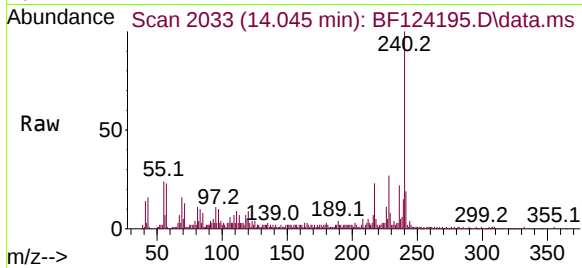




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

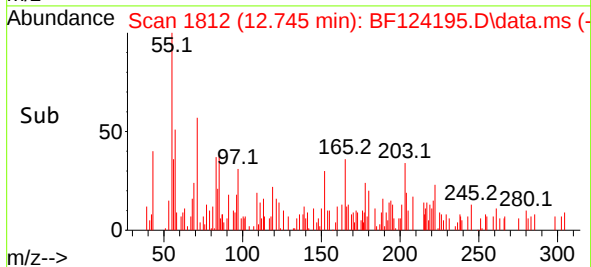
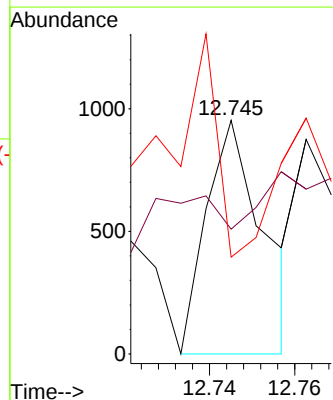
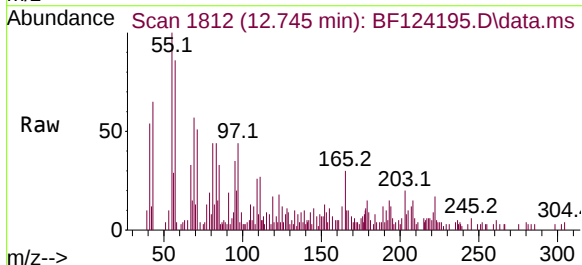
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

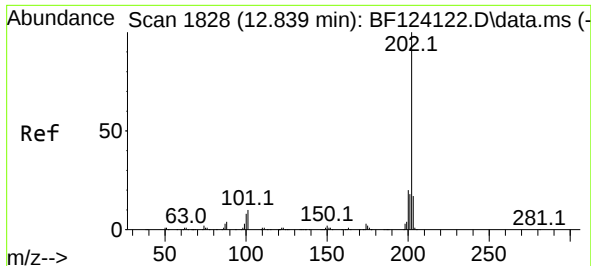
Tgt Ion:240 Resp: 89504
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 22.1 19.0 28.4



#77
Benzidine
Concen: 4.45 ng
RT: 12.745 min Scan# 1812
Delta R.T. 0.024 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:184 Resp: 883
Ion Ratio Lower Upper
184 100
185 53.4 12.1 18.1#
183 41.4 7.8 11.8#

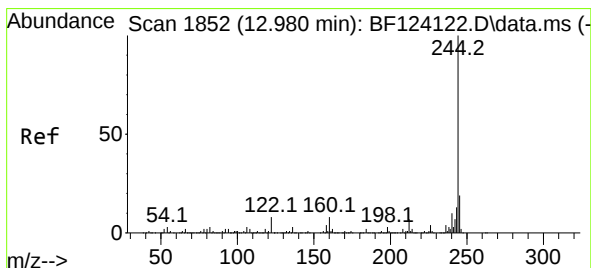
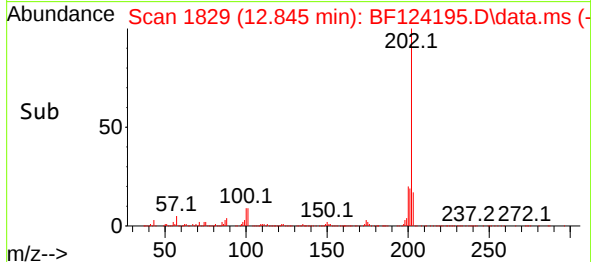
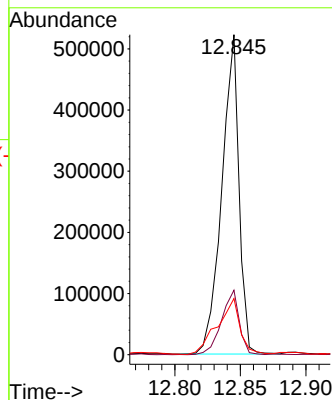
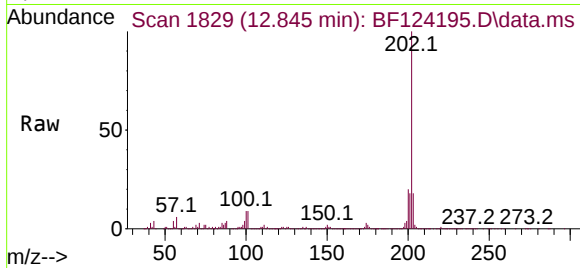




#78
Pyrene
Concen: 55.34 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

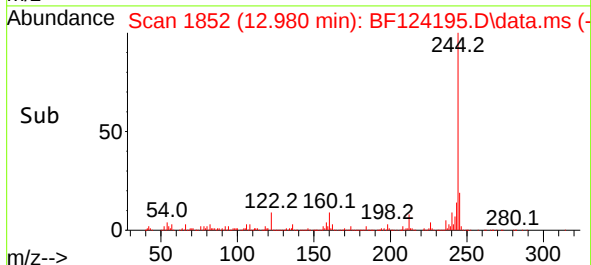
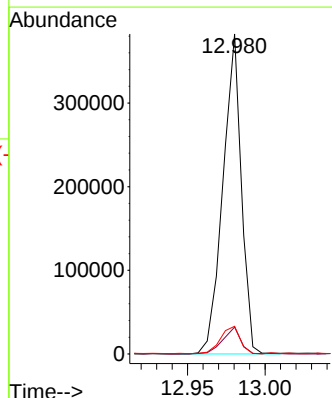
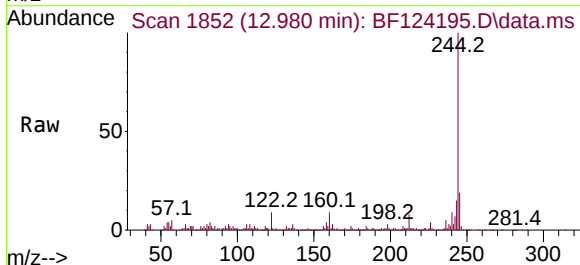
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

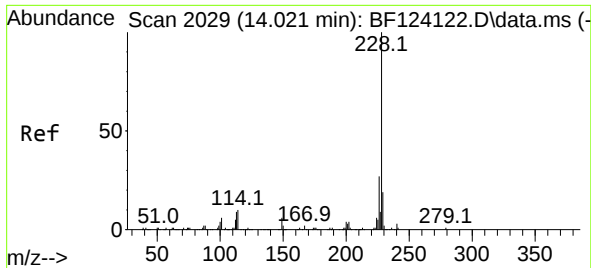
Tgt Ion:202 Resp: 475591
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 17.5 14.8 22.2



#79
Terphenyl-d14
Concen: 48.49 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:244 Resp: 316084
Ion Ratio Lower Upper
244 100
212 8.4 5.7 8.5
122 8.7 9.7 14.5#

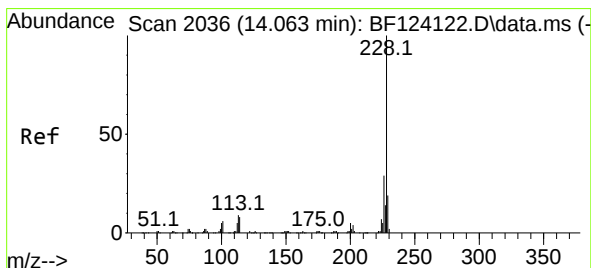
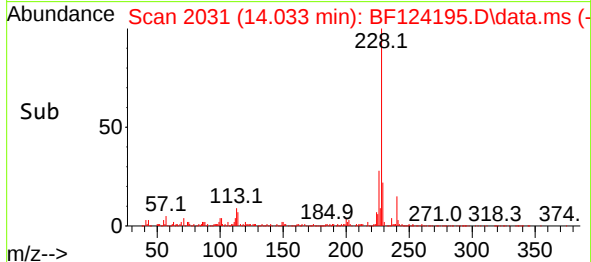
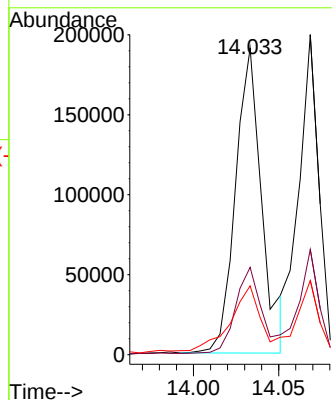
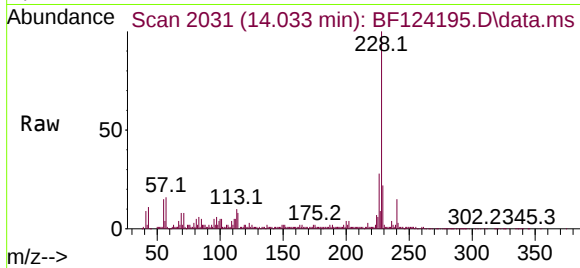




#81
Benzo(a)anthracene
Concen: 31.43 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

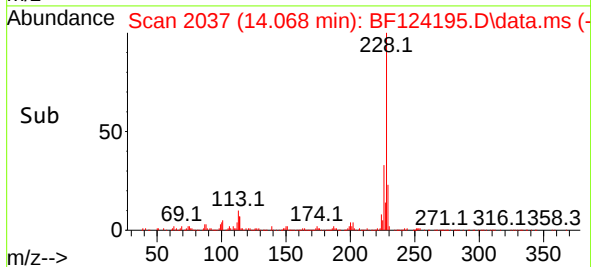
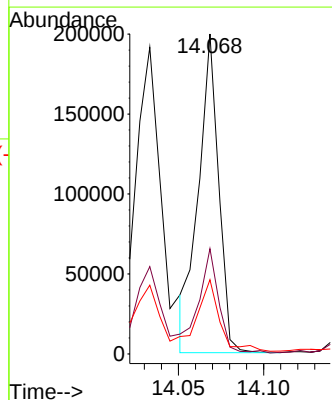
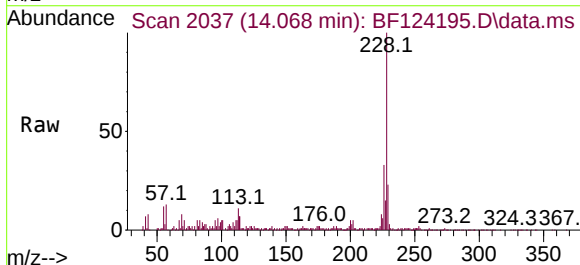
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

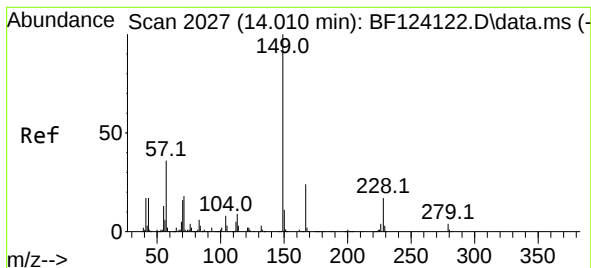
Tgt Ion:228 Resp: 204956
Ion Ratio Lower Upper
228 100
226 28.5 22.4 33.6
229 22.4 16.0 24.0



#83
Chrysene
Concen: 26.10 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:228 Resp: 164208
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 23.2 16.2 24.2

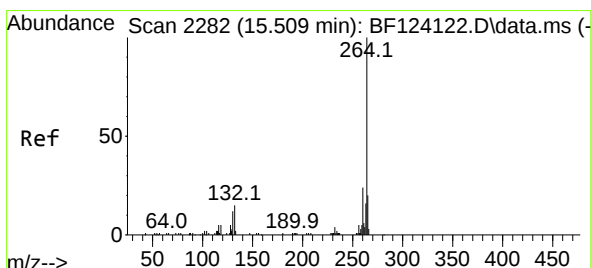
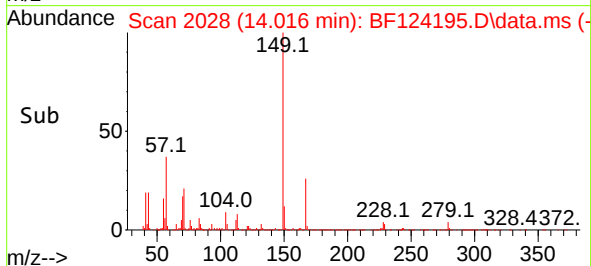
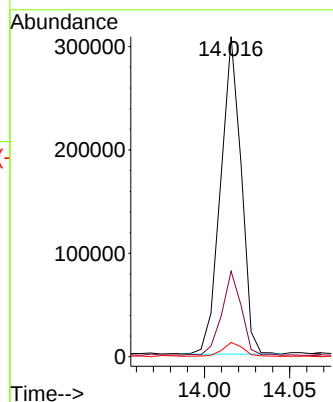
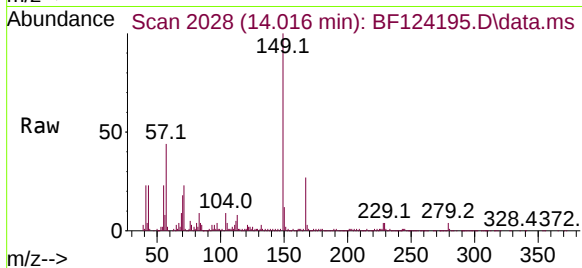




#84
Bis(2-ethylhexyl)phthalate
Concen: 62.22 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

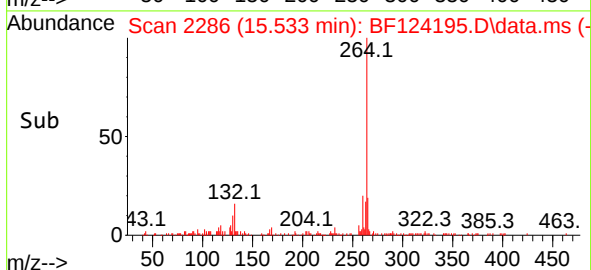
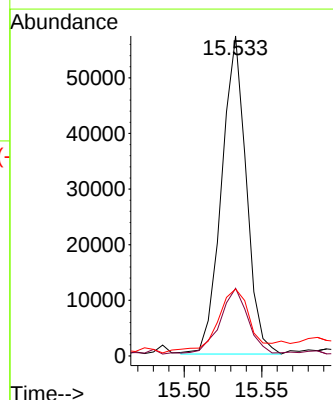
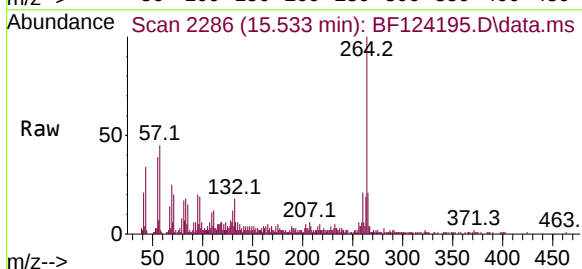
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

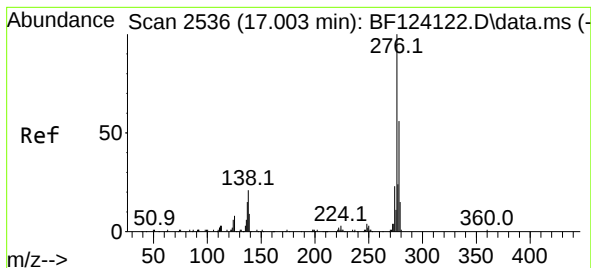
Tgt Ion:149 Resp: 258044
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.6
279 4.4 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.024 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:264 Resp: 63234
Ion Ratio Lower Upper
264 100
260 21.1 18.7 28.1
265 20.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.56 ng

RT: 17.033 min Scan# 2541

Delta R.T. 0.030 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

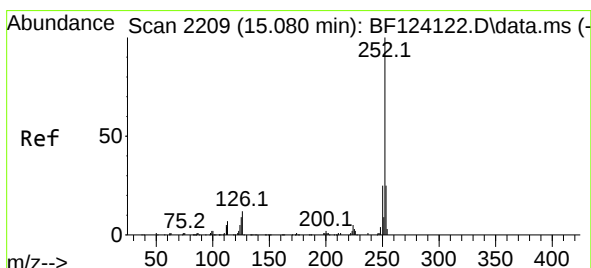
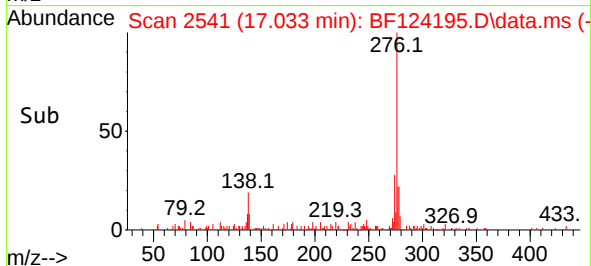
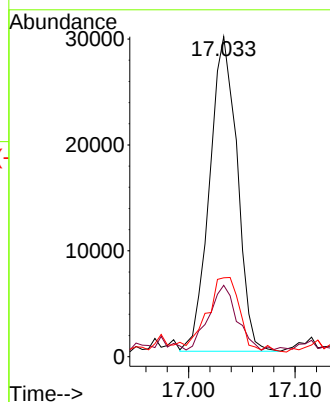
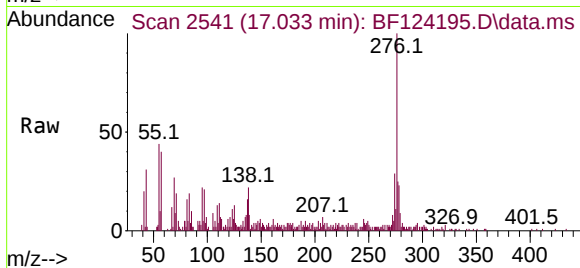
Tgt Ion:	276	Resp:	53381
Ion Ratio	Lower	Upper	
276	100		
138	20.8	16.2	24.2
277	26.6	20.1	30.1

Instrument :

BNA_F

ClientSampleId :

18-B10(2-4)RE



#88

Benzo(b)fluoranthene

Concen: 43.78 ng

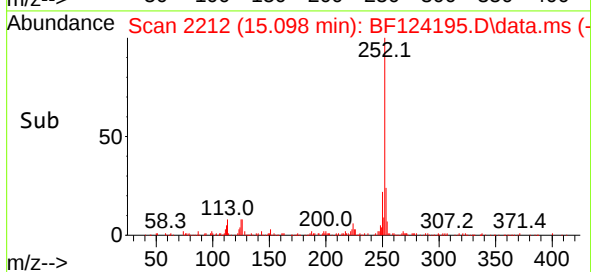
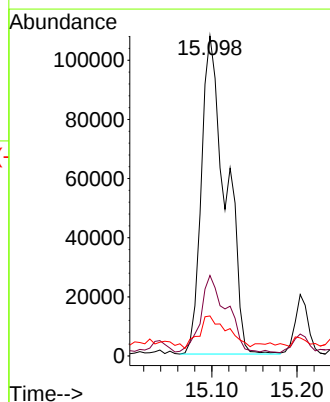
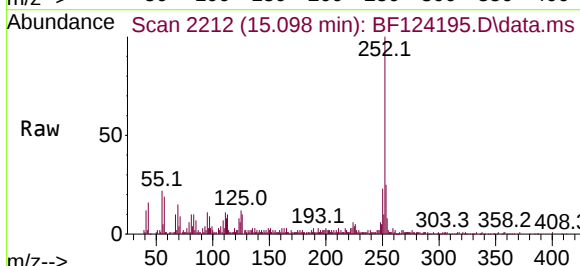
RT: 15.098 min Scan# 2212

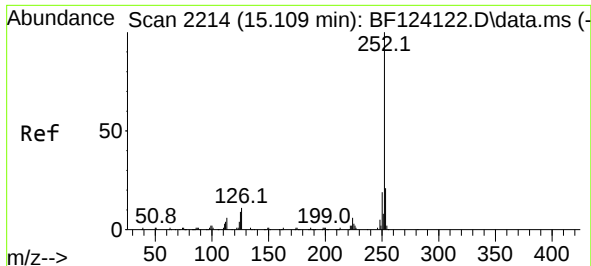
Delta R.T. 0.018 min

Lab File: BF124195.D

Acq: 8 Jun 2021 23:29

Tgt Ion:	252	Resp:	215052
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.1	27.1
125	12.5	6.2	9.4

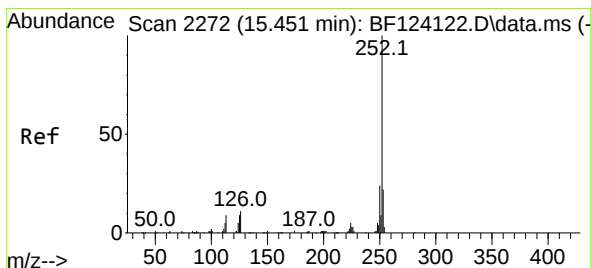
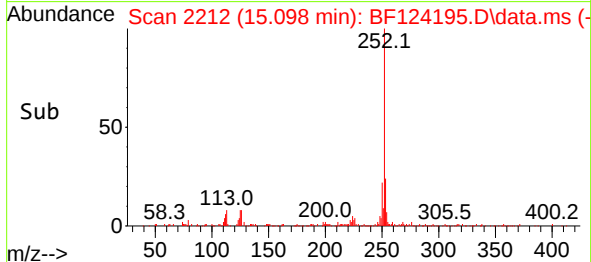
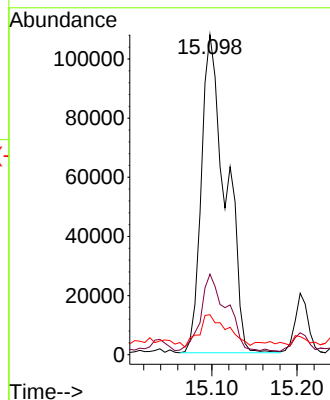
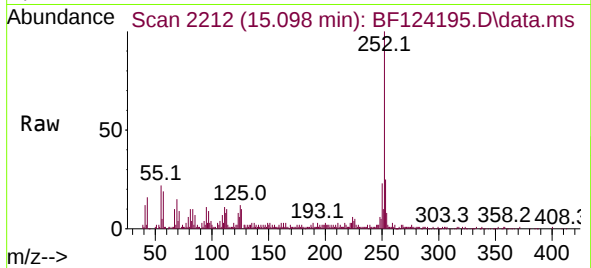




#89
Benzo(k)fluoranthene
Concen: 46.25 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

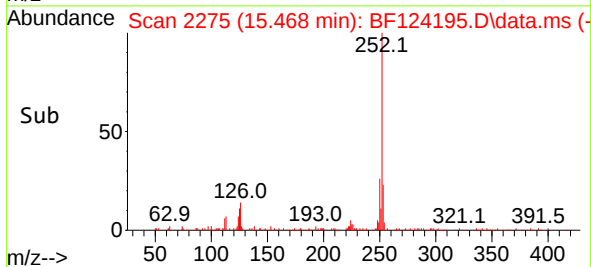
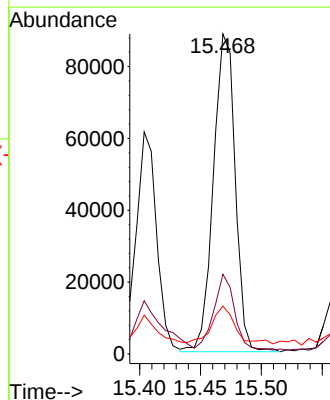
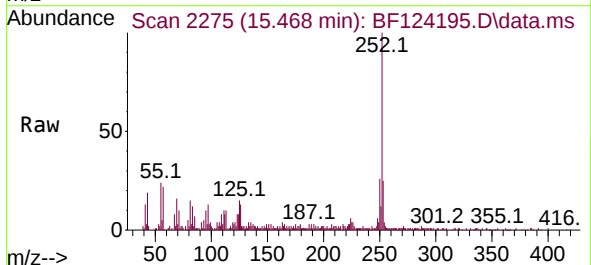
Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

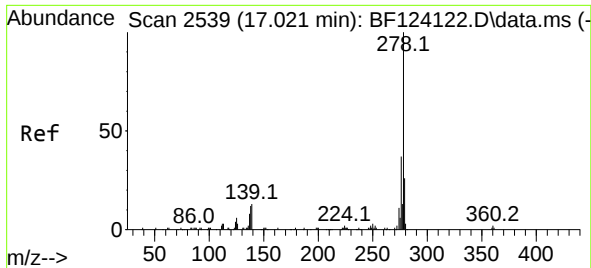
Tgt Ion:252 Resp: 215052
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 12.5 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 25.91 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.018 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:252 Resp: 110558
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 15.0 8.0 12.0#

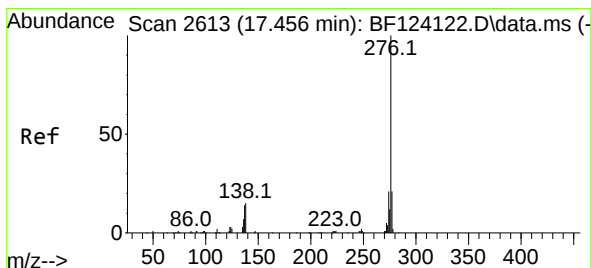
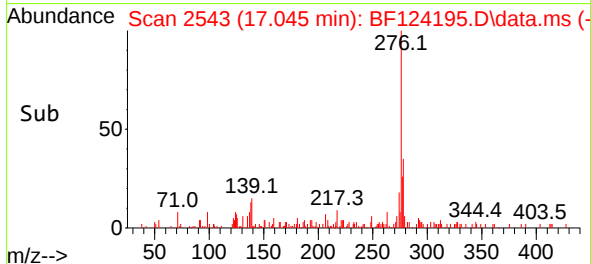
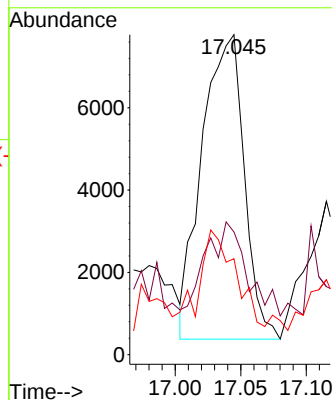
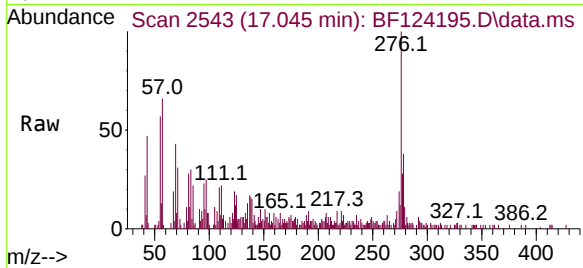




#91
Dibenzo(a,h)anthracene
Concen: 7.54 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.024 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Instrument :
BNA_F
ClientSampleId :
18-B10(2-4)RE

Tgt Ion:278 Resp: 16549
Ion Ratio Lower Upper
278 100
139 38.4 10.2 15.2#
279 30.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 15.57 ng
RT: 17.492 min Scan# 2619
Delta R.T. 0.036 min
Lab File: BF124195.D
Acq: 8 Jun 2021 23:29

Tgt Ion:276 Resp: 56613
Ion Ratio Lower Upper
276 100
277 25.3 18.2 27.2
138 16.8 13.8 20.6

