

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124190.D
 Acq On : 8 Jun 2021 20:44
 Operator : JU/CG
 Sample : M2589-09RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B9(4-6)RE

Quant Time: Jun 09 04:09:26 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)

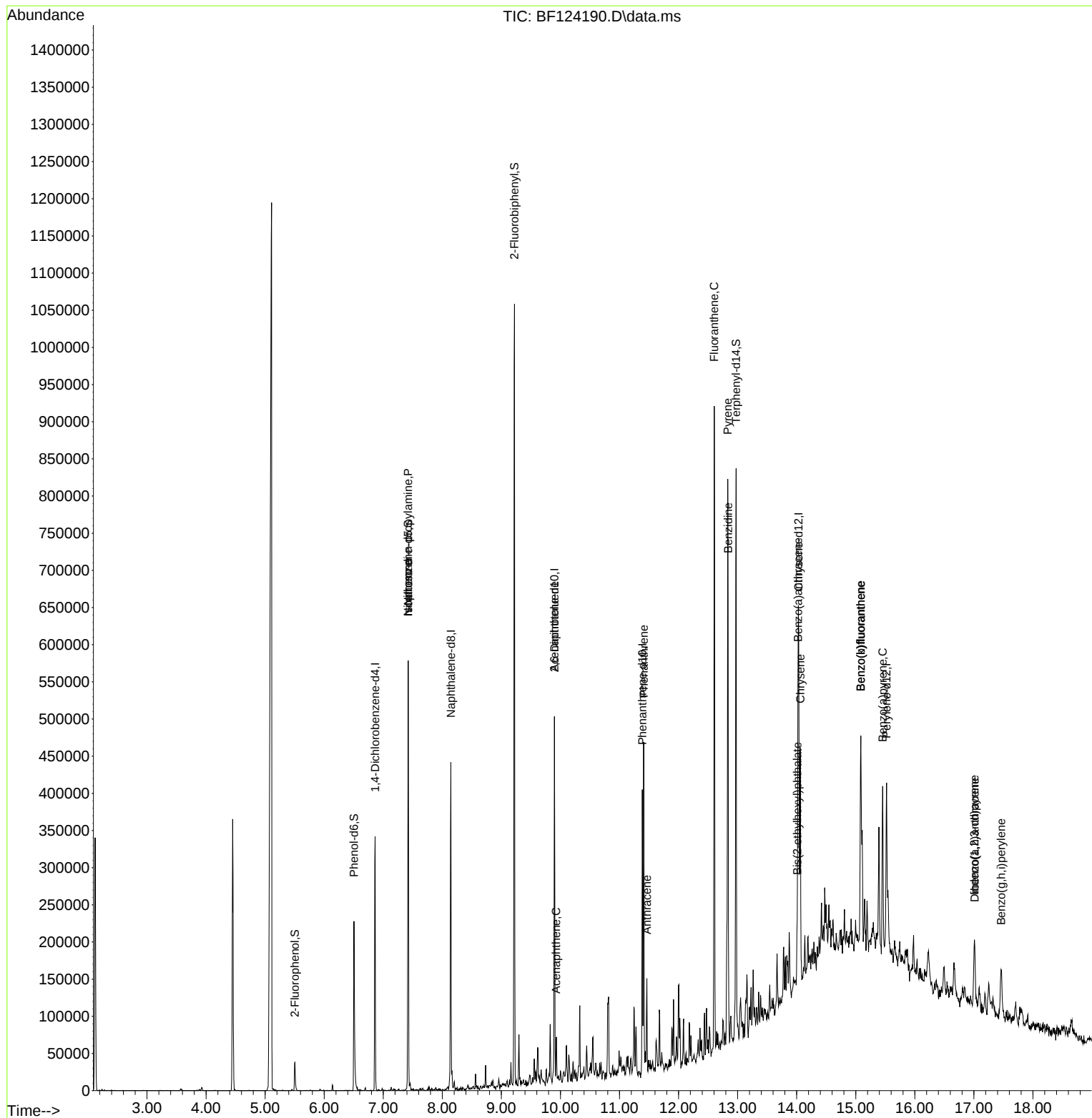
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	42849	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	162659	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	84861	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	112169	20.00	ng	0.00
76) Chrysene-d12	14.033	240	96739	20.00	ng	0.00
86) Perylene-d12	15.521	264	82198	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	11539	4.05	ng	0.01
7) Phenol-d6	6.504	99	68157	17.81	ng	0.00
23) Nitrobenzene-d5	7.422	82	163880	39.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	531	0.44	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	293522	43.53	ng	0.00
79) Terphenyl-d14	12.974	244	213692	30.33	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	23645	8.75	ng	# 68
25) Isophorone	7.422	82	163878	22.17	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	11349	7.05	ng	# 13
52) Acenaphthene	9.927	154	11258	2.03	ng	86
71) Phenanthrene	11.410	178	134058	19.13	ng	98
72) Anthracene	11.463	178	37302	5.29	ng	97
75) Fluoranthene	12.604	202	321013	43.65	ng	98
77) Benzidine	12.839	184	298	4.18	ng	# 1
78) Pyrene	12.833	202	290645	31.29	ng	99
81) Benzo(a)anthracene	14.021	228	139957	19.86	ng	96
83) Chrysene	14.062	228	119903	17.63	ng	96
84) Bis(2-ethylhexyl)phtha...	14.009	149	11271	2.51	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.009	276	52131	11.27	ng	98
88) Benzo(b)fluoranthene	15.086	252	194841	30.51	ng	# 95
89) Benzo(k)fluoranthene	15.086	252	194841	32.23	ng	# 95
90) Benzo(a)pyrene	15.456	252	96723	17.44	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	13197	6.24	ng	# 86
92) Benzo(g,h,i)perylene	17.462	276	47021	11.32	ng	95

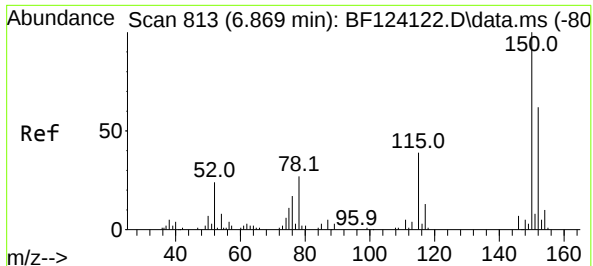
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124190.D
Acq On : 8 Jun 2021 20:44
Operator : JU/CG
Sample : M2589-09RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

Quant Time: Jun 09 04:09:26 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

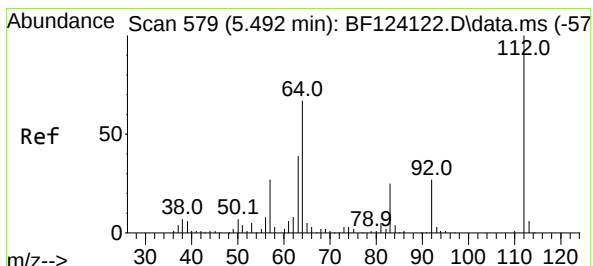
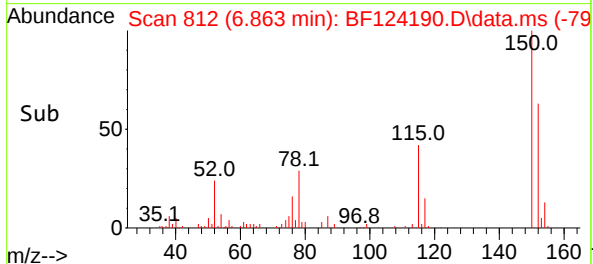
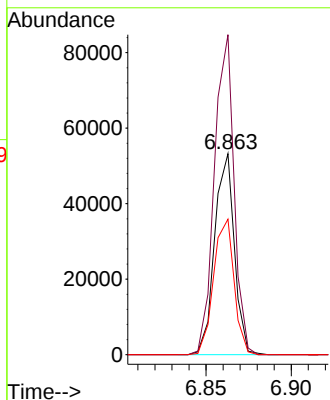
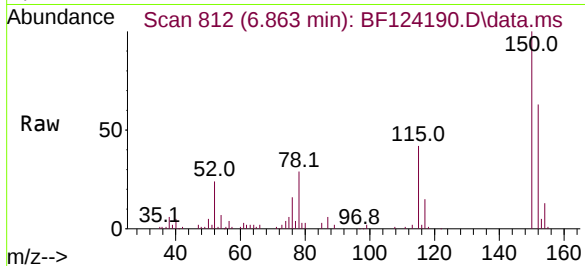




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

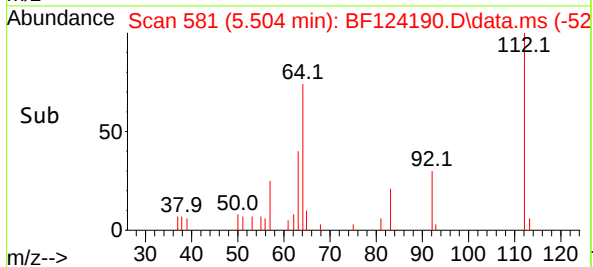
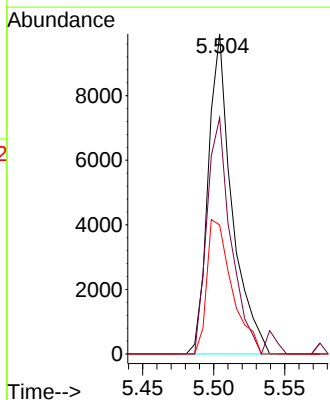
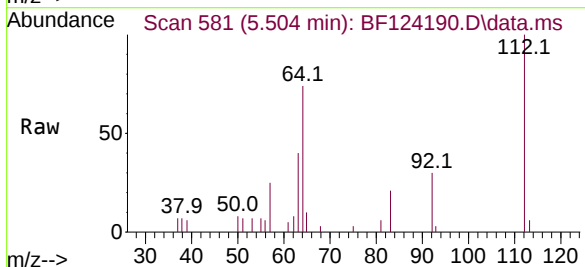
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

Tgt Ion:152 Resp: 42849
Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.6
115 67.4 54.3 81.5



#5
2-Fluorophenol
Concen: 4.05 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:112 Resp: 11539
Ion Ratio Lower Upper
112 100
64 73.8 61.4 92.0
63 40.3 33.0 49.4

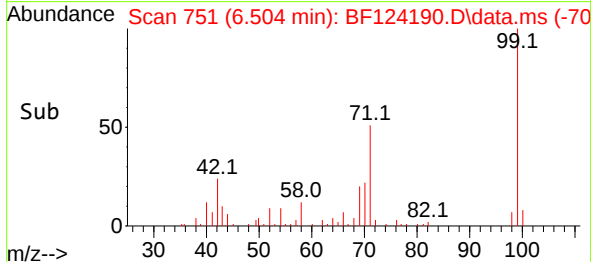
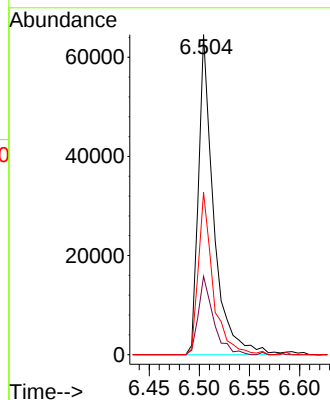
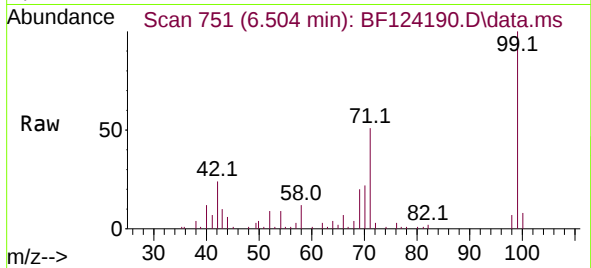




#7
Phenol-d6
Concen: 17.81 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

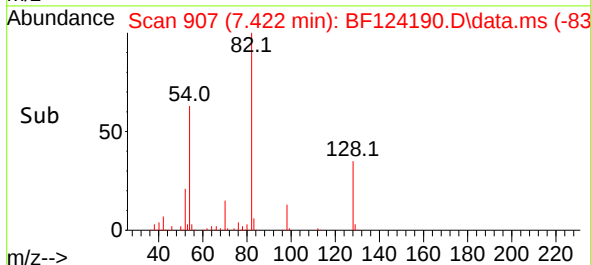
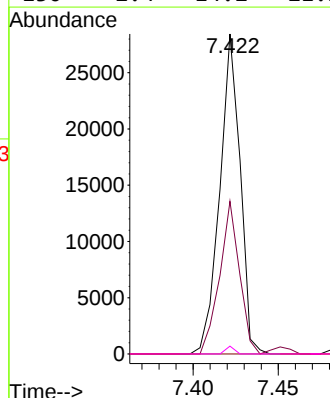
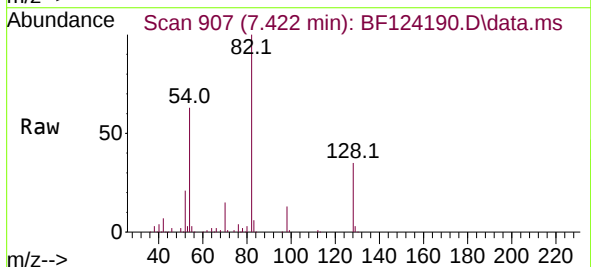
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

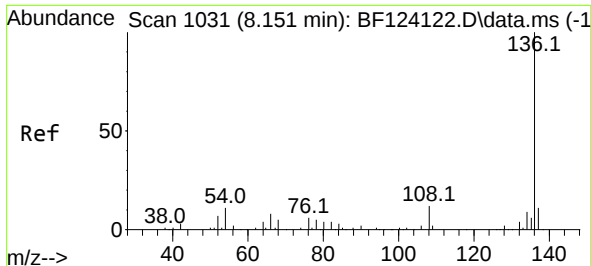
Tgt Ion: 99 Resp: 68157
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.8
71 50.7 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 8.75 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

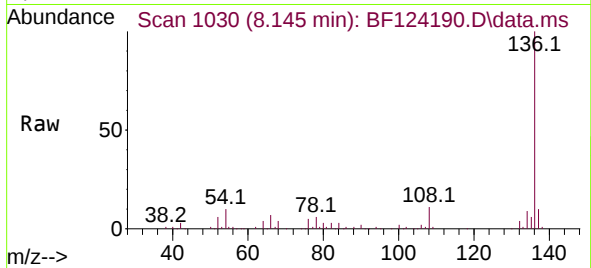
Tgt Ion: 70 Resp: 23645
Ion Ratio Lower Upper
70 100
42 47.7 60.1 90.1#
101 0.0 7.4 11.2#
130 2.4 14.2 21.2#



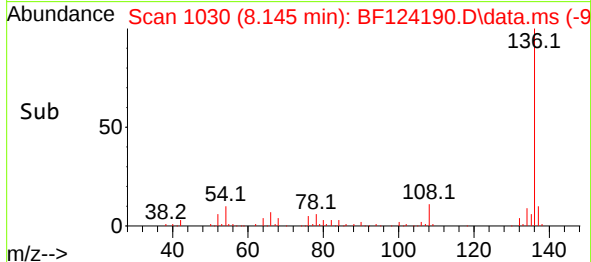
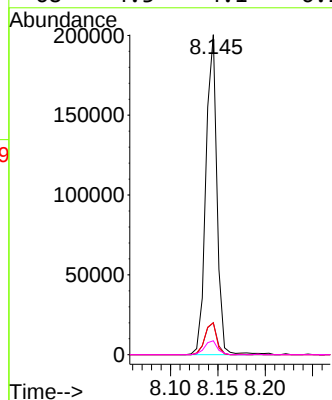


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

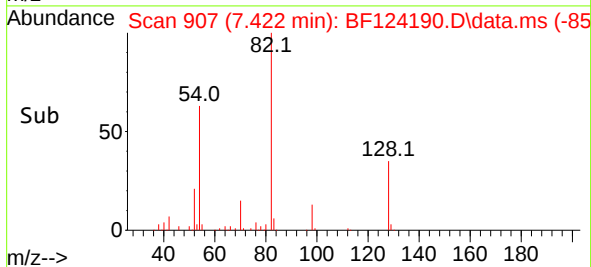
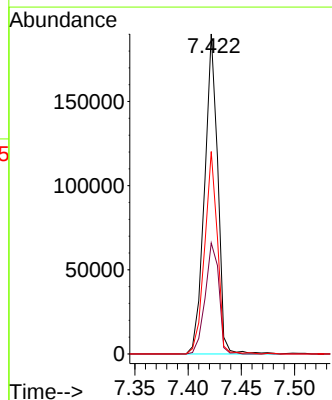
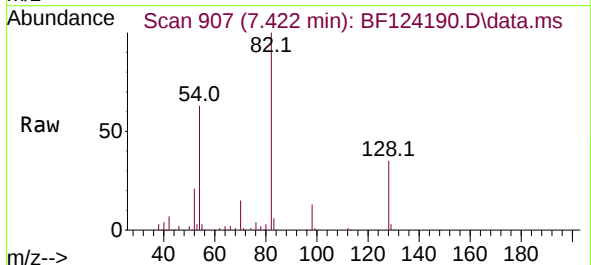


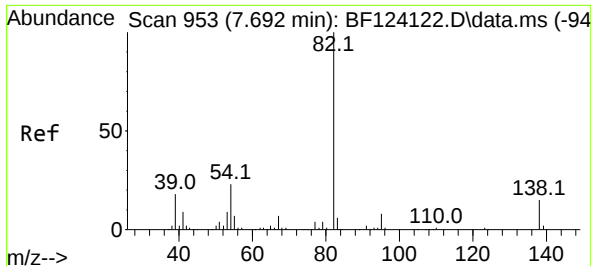
Tgt Ion:136 Resp: 162659
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 9.9 9.8 14.6
68 4.3 4.1 6.1



#23
Nitrobenzene-d5
Concen: 39.96 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion: 82 Resp: 163880
Ion Ratio Lower Upper
82 100
128 34.7 29.4 44.2
54 63.2 54.1 81.1

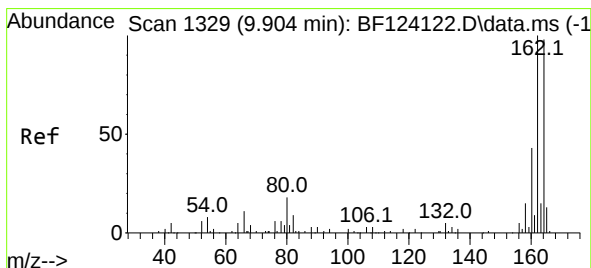
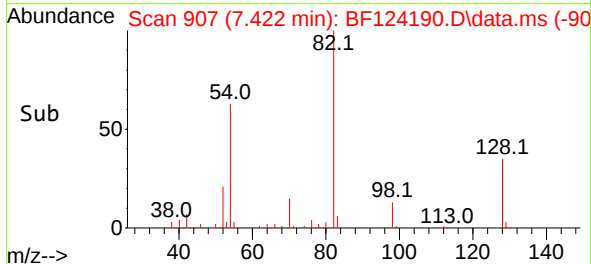
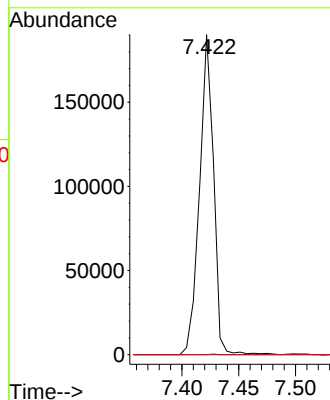
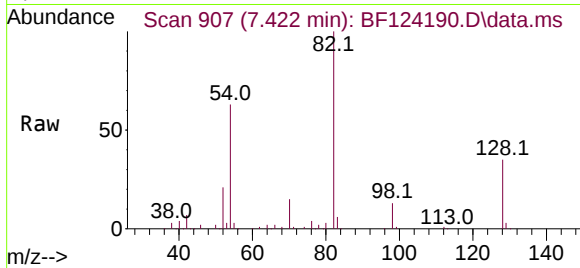




#25
Isophorone
Concen: 22.17 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

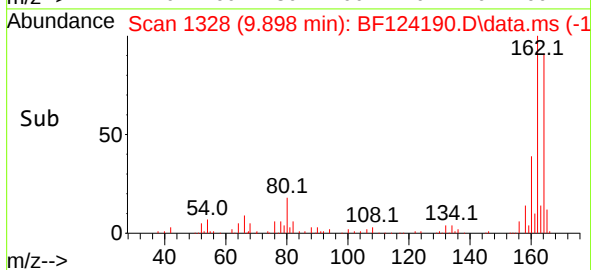
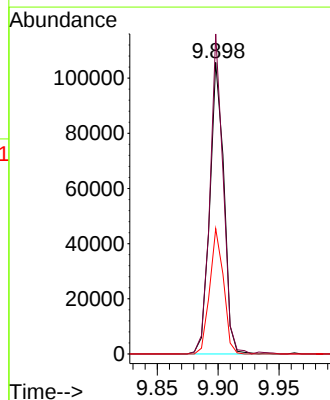
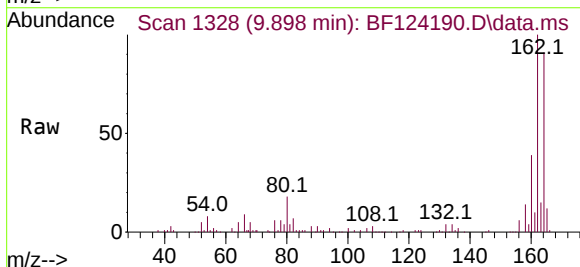
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

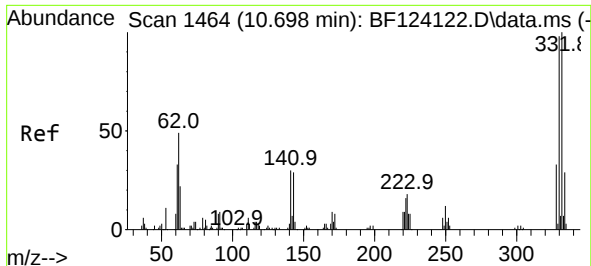
Tgt Ion: 82 Resp: 163878
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion: 164 Resp: 84861
Ion Ratio Lower Upper
164 100
162 109.8 80.7 121.1
160 43.0 37.3 55.9

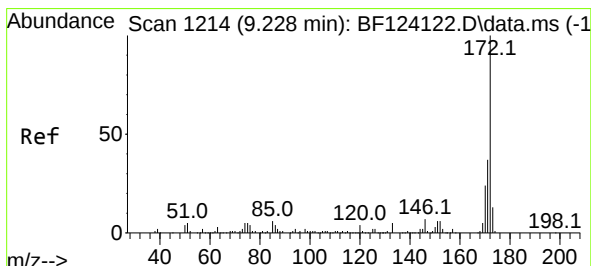
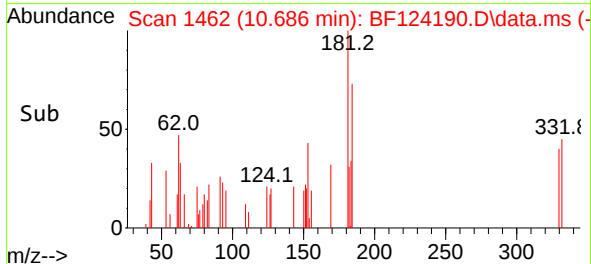
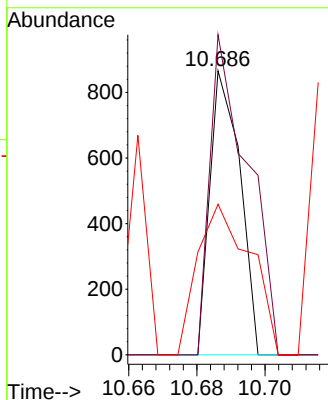
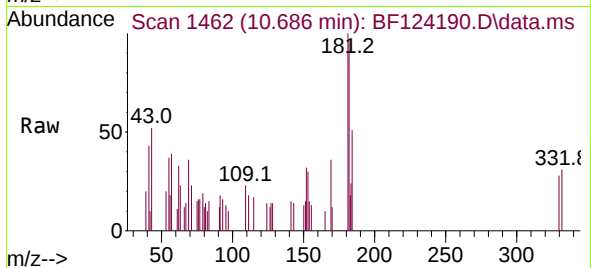




#42
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

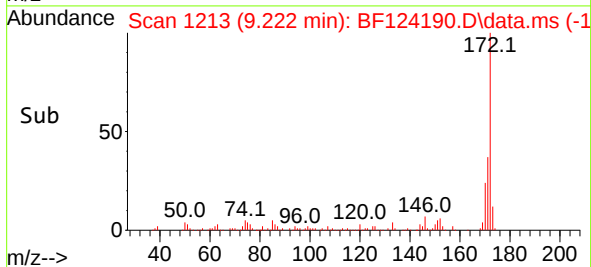
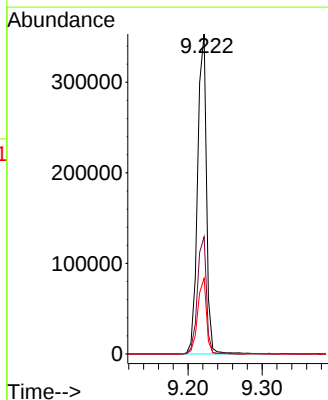
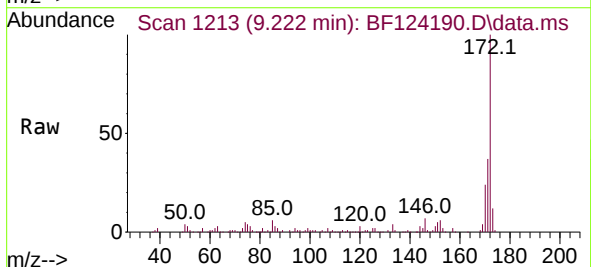
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

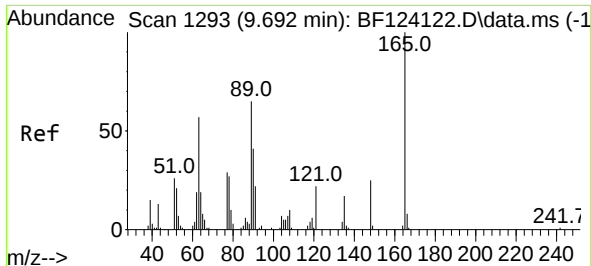
Tgt Ion: 330 Resp: 531
Ion Ratio Lower Upper
330 100
332 142.0 77.1 115.7#
141 93.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 43.53 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion: 172 Resp: 293522
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 23.7 19.2 28.8

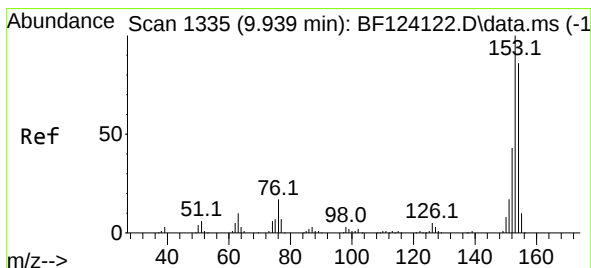
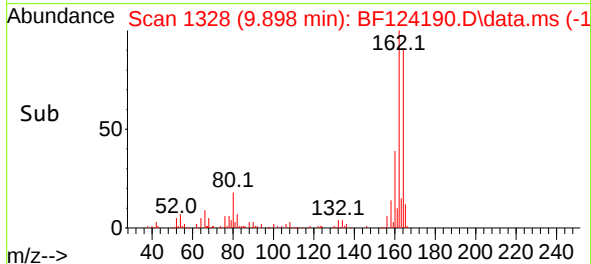
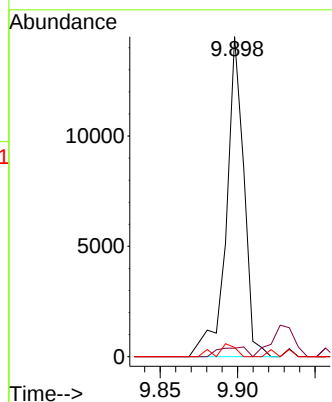
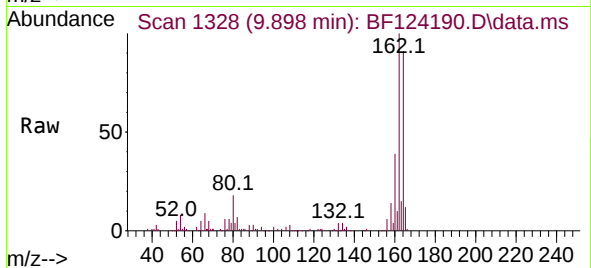




#51
2,6-Dinitrotoluene
Concen: 7.05 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

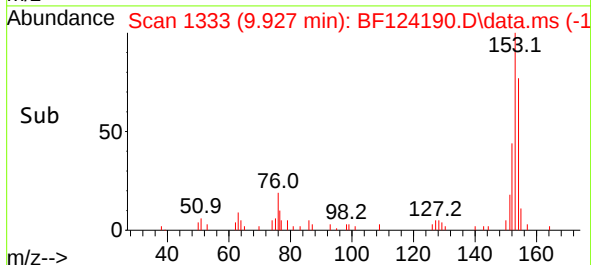
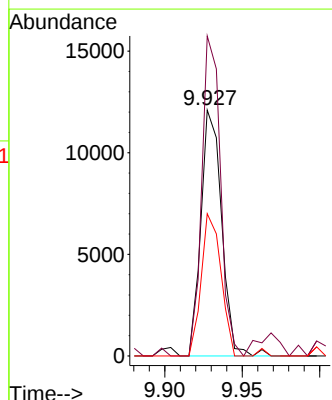
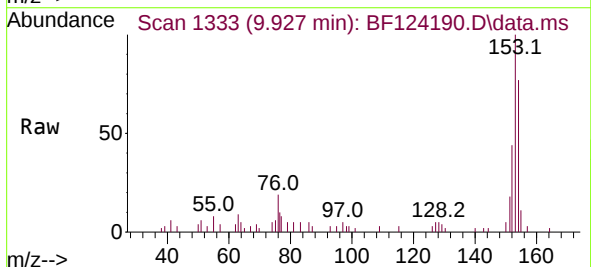
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

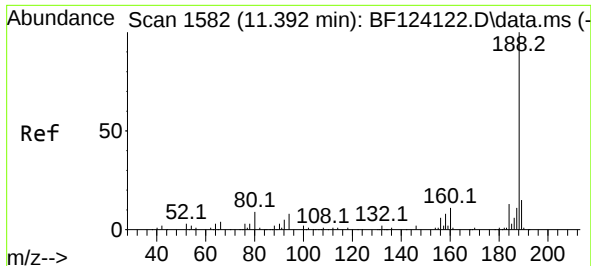
Tgt Ion:165 Resp: 11349
Ion Ratio Lower Upper
165 100
63 2.7 67.7 101.5#
89 2.9 58.8 88.2#



#52
Acenaphthene
Concen: 2.03 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:154 Resp: 11258
Ion Ratio Lower Upper
154 100
153 130.2 88.1 132.1
152 57.8 43.4 65.0

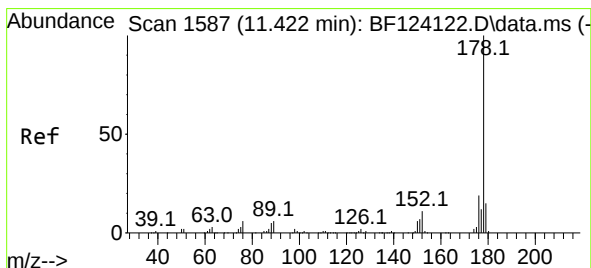
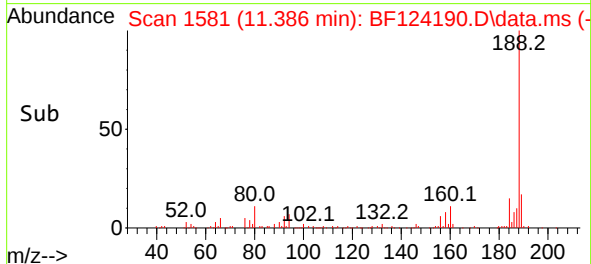
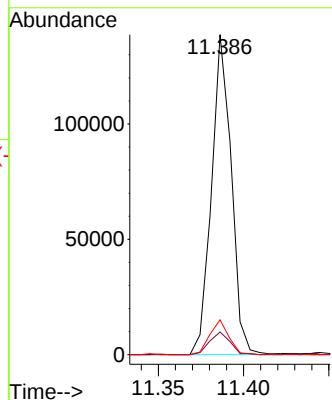
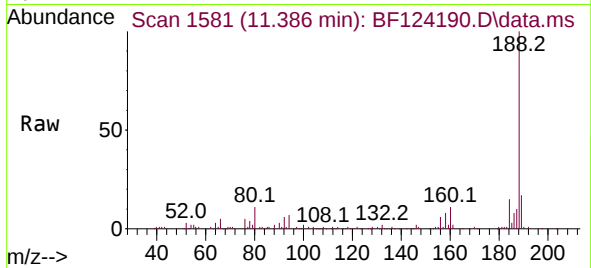




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

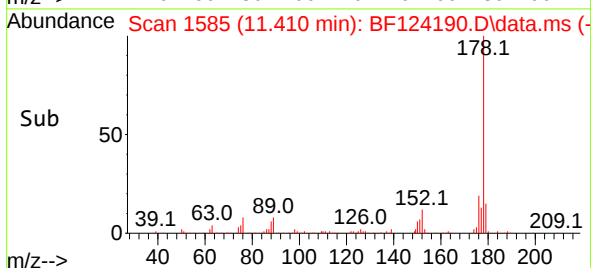
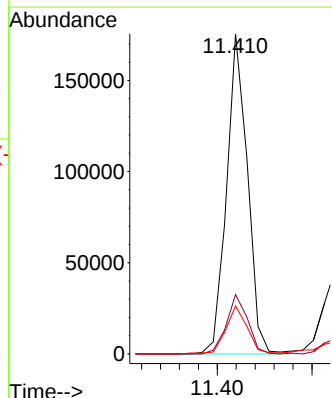
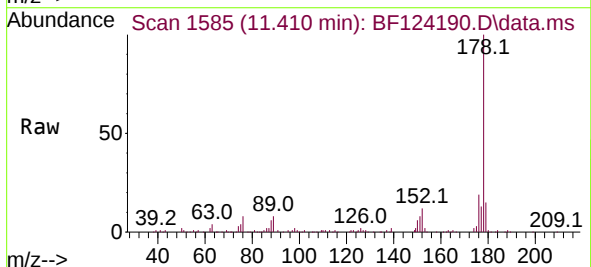
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

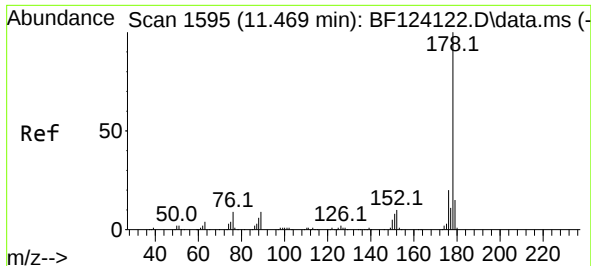
Tgt Ion:188 Resp: 112169
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 10.9 8.2 12.2



#71
Phenanthrene
Concen: 19.13 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:178 Resp: 134058
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.0 12.5 18.7

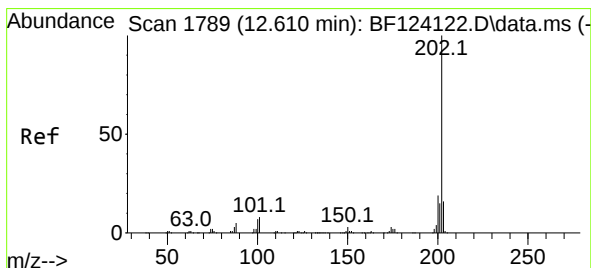
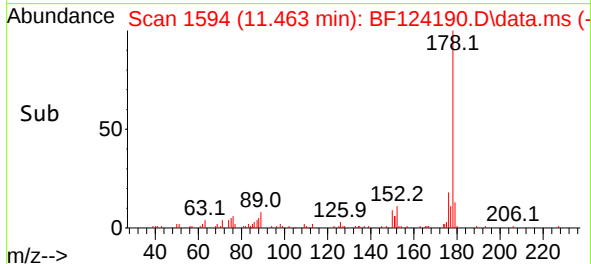
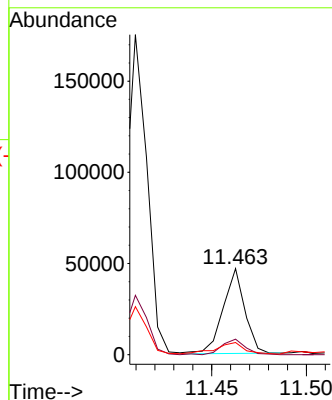
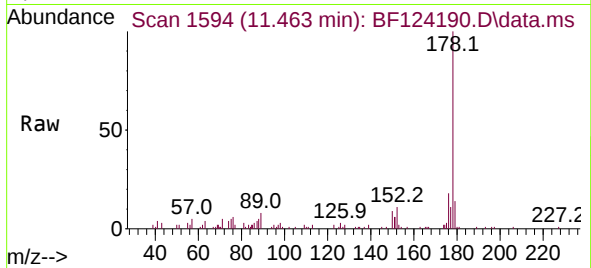




#72
 Anthracene
 Concen: 5.29 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF124190.D
 Acq: 8 Jun 2021 20:44

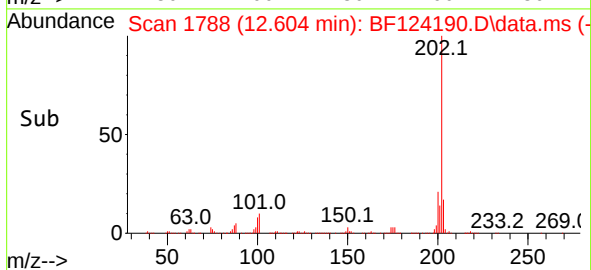
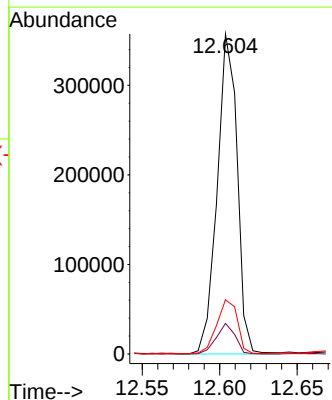
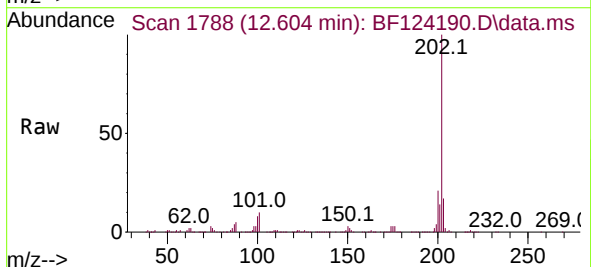
Instrument :
 BNA_F
 ClientSampleId :
 18-B9(4-6)RE

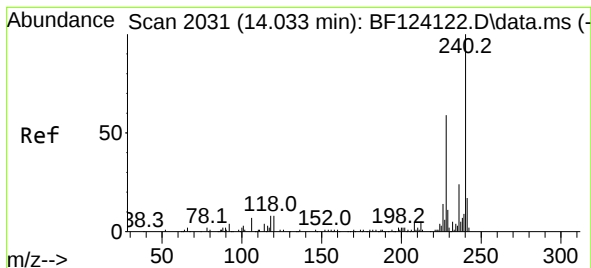
Tgt Ion:178 Resp: 37302
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 14.2 12.6 18.8



#75
 Fluoranthene
 Concen: 43.65 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124190.D
 Acq: 8 Jun 2021 20:44

Tgt Ion:202 Resp: 321013
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 16.9 0.0 37.5

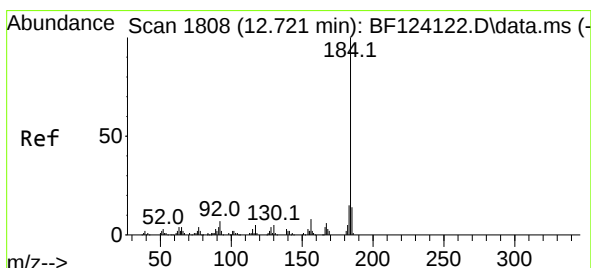
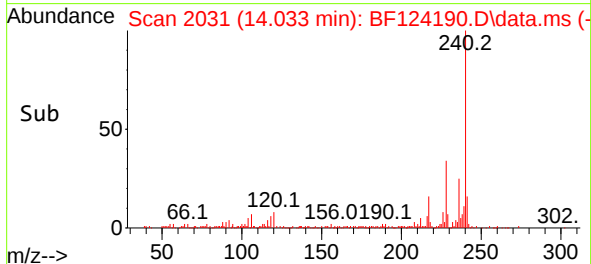
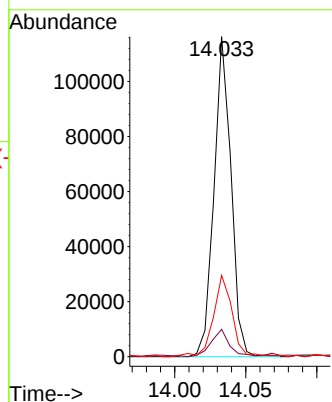
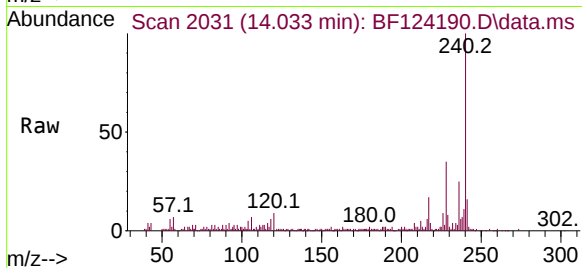




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

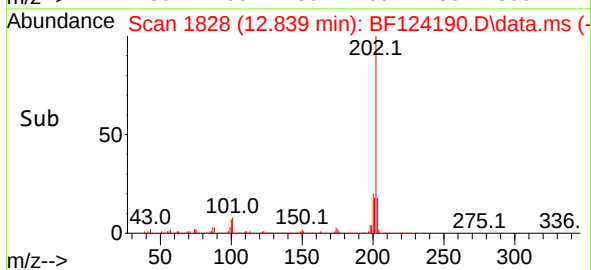
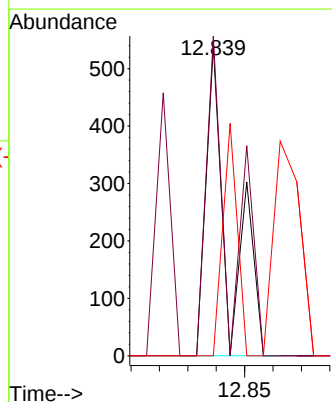
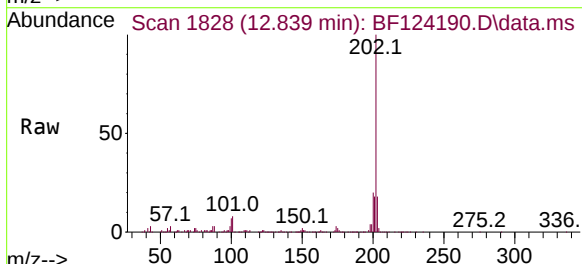
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

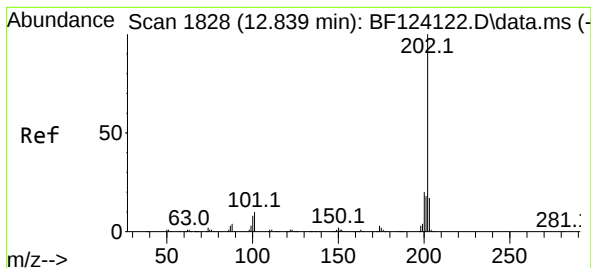
Tgt Ion:240 Resp: 96739
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 25.4 19.0 28.4



#77
Benzidine
Concen: 4.18 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.118 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:184 Resp: 298
Ion Ratio Lower Upper
184 100
185 103.1 12.1 18.1#
183 0.0 7.8 11.8#





#78

Pyrene

Concen: 31.29 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF124190.D

Acq: 8 Jun 2021 20:44

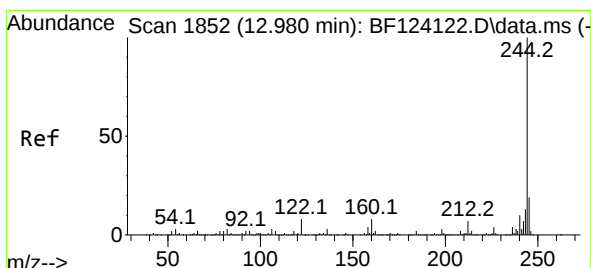
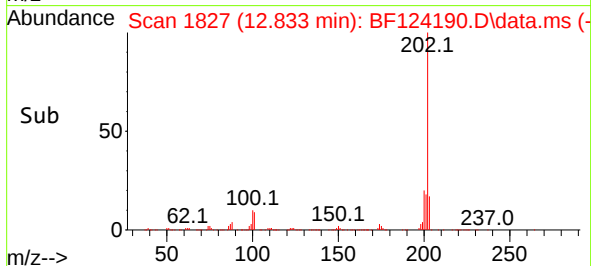
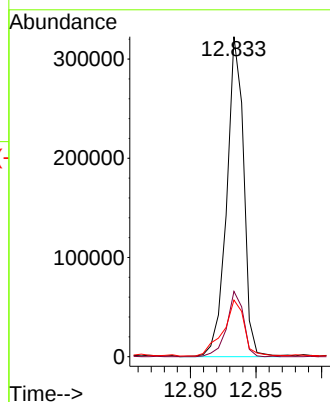
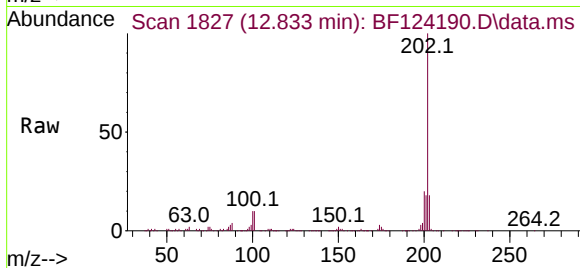
Tgt Ion:202 Resp: 290645

Ion Ratio Lower Upper

202 100

200 20.4 16.1 24.1

203 17.7 14.8 22.2



#79

Terphenyl-d14

Concen: 30.33 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF124190.D

Acq: 8 Jun 2021 20:44

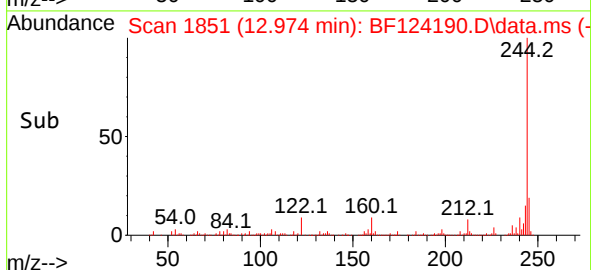
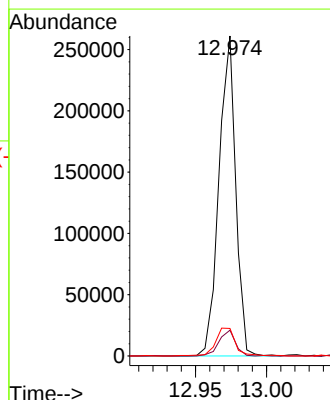
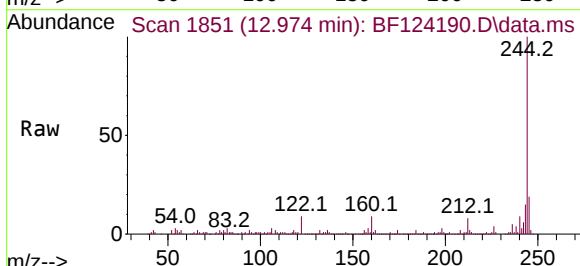
Tgt Ion:244 Resp: 213692

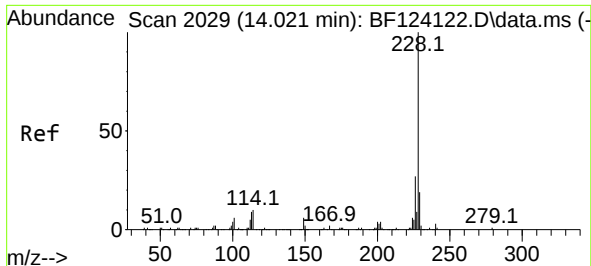
Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

122 8.6 9.7 14.5#

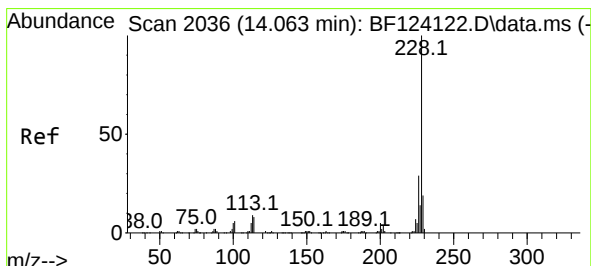
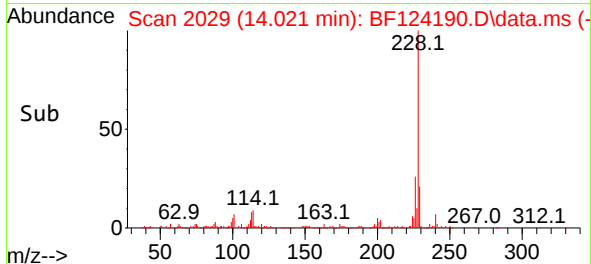
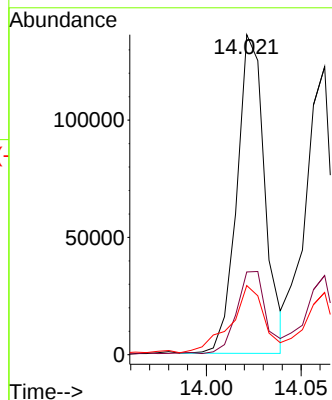
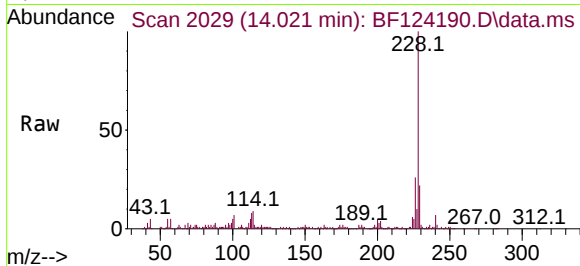




#81
Benzo(a)anthracene
Concen: 19.86 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

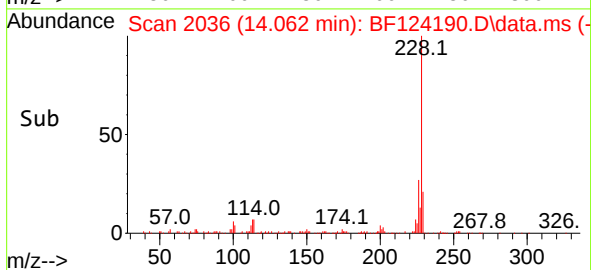
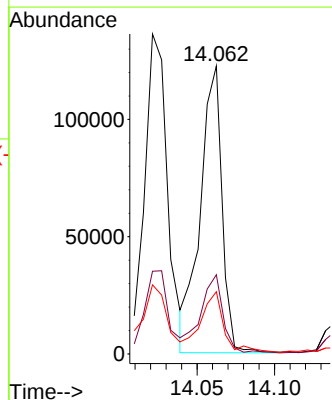
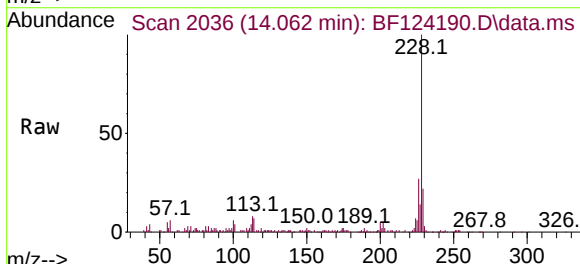
Instrument :
BNA_F
ClientSampled :
18-B9(4-6)RE

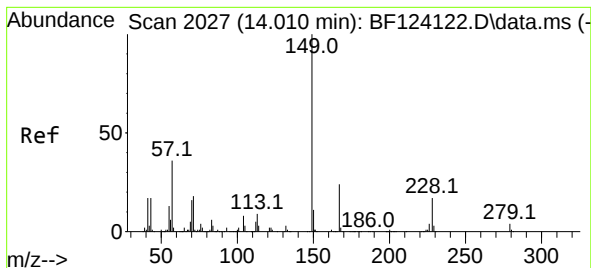
Tgt Ion:228 Resp: 139957
Ion Ratio Lower Upper
228 100
226 25.8 22.4 33.6
229 21.6 16.0 24.0



#83
Chrysene
Concen: 17.63 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:228 Resp: 119903
Ion Ratio Lower Upper
228 100
226 27.5 24.3 36.5
229 21.6 16.2 24.2

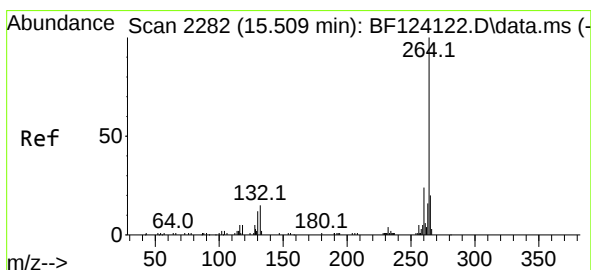
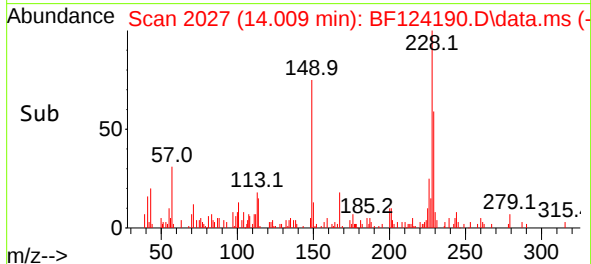
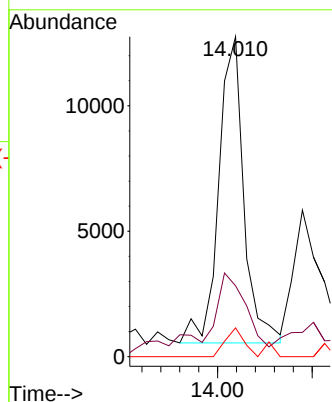
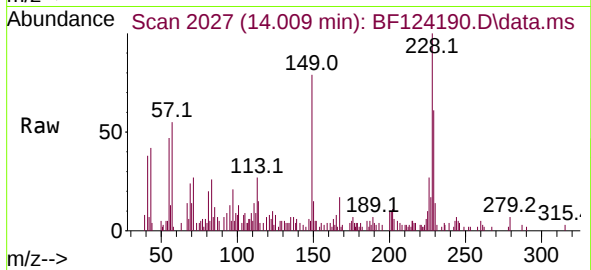




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.51 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

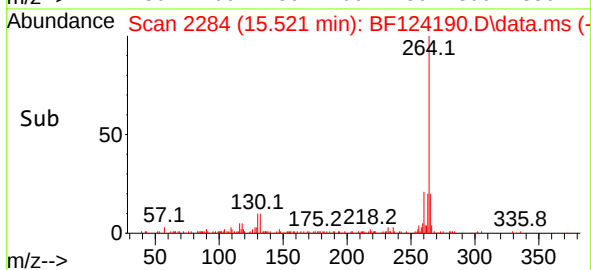
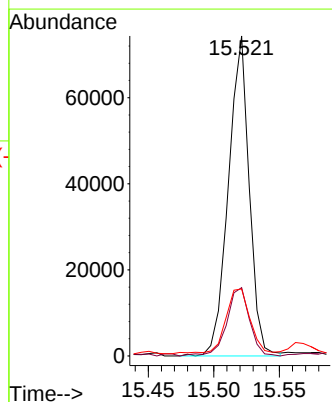
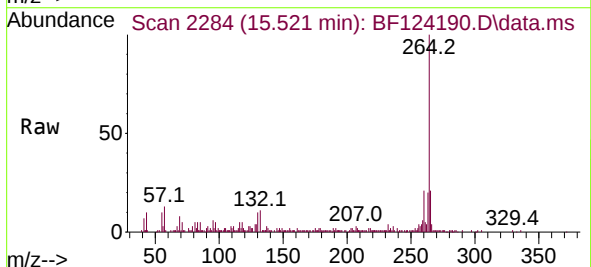
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

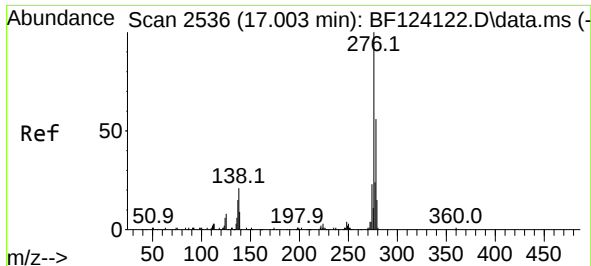
Tgt Ion:149 Resp: 11271
Ion Ratio Lower Upper
149 100
167 22.2 21.8 32.6
279 9.0 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:264 Resp: 82198
Ion Ratio Lower Upper
264 100
260 21.4 18.7 28.1
265 20.9 17.8 26.8

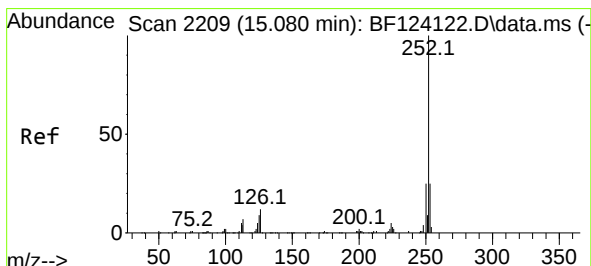
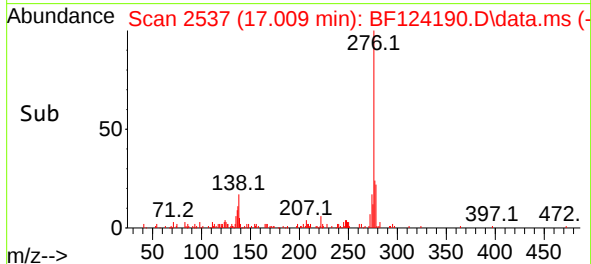
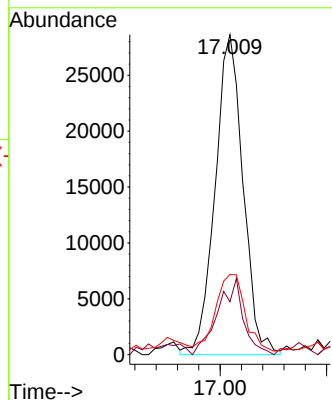
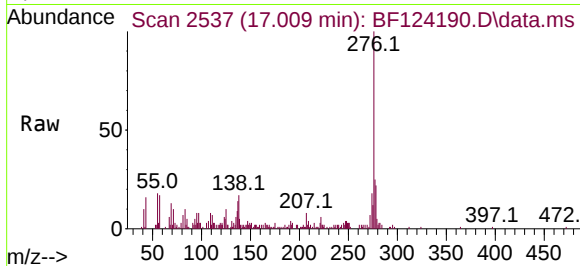




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.27 ng
RT: 17.009 min Scan# 2537
Delta R.T. 0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

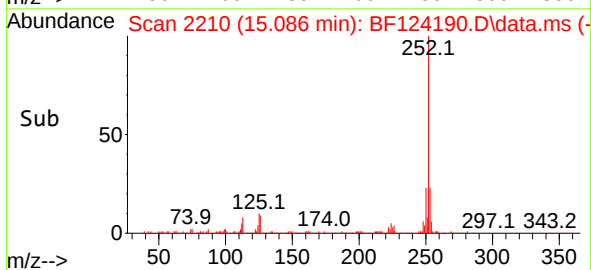
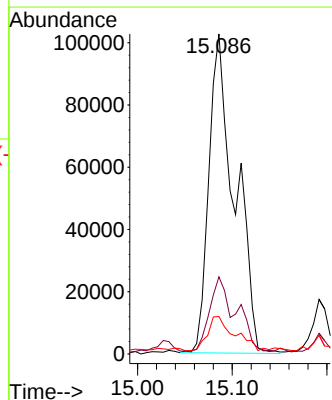
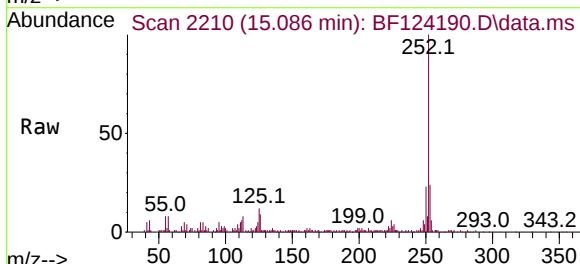
Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

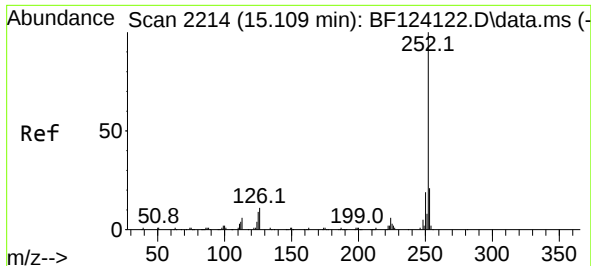
Tgt Ion:276 Resp: 52131
Ion Ratio Lower Upper
276 100
138 21.8 16.2 24.2
277 25.1 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 30.51 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:252 Resp: 194841
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 11.7 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 32.23 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF124190.D

Acq: 8 Jun 2021 20:44

Tgt Ion:252 Resp: 194841

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

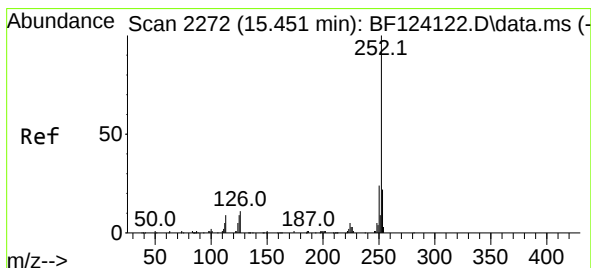
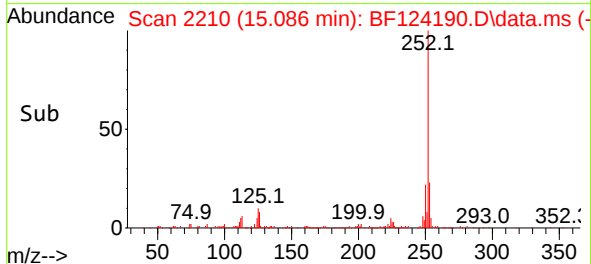
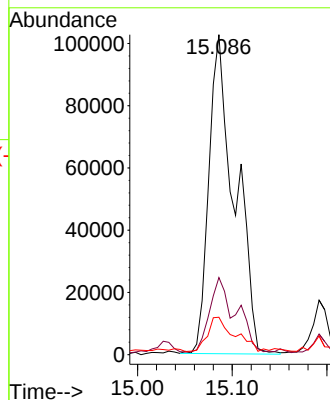
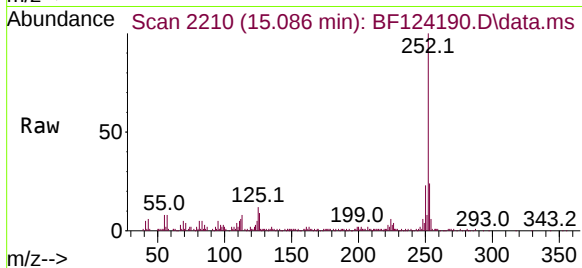
125 11.7 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

18-B9(4-6)RE



#90

Benzo(a)pyrene

Concen: 17.44 ng

RT: 15.456 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF124190.D

Acq: 8 Jun 2021 20:44

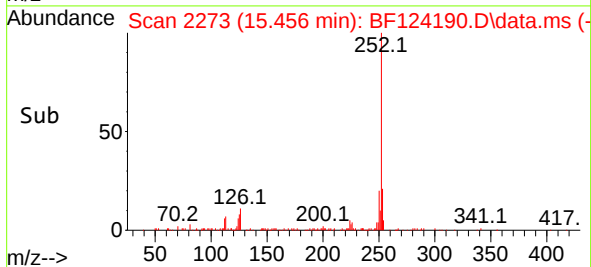
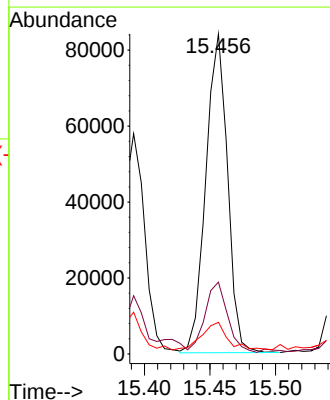
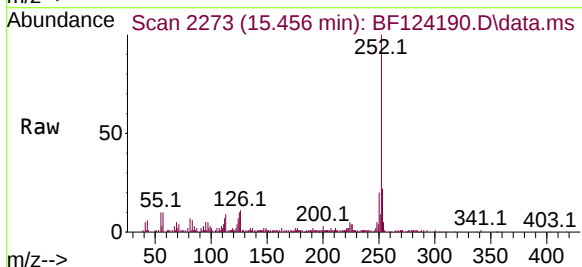
Tgt Ion:252 Resp: 96723

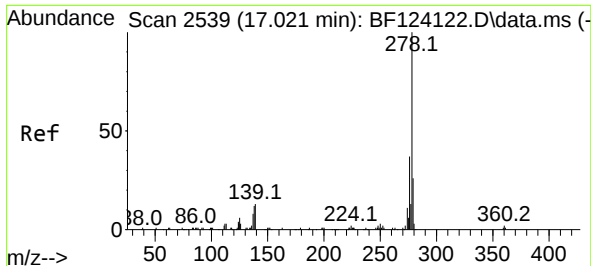
Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 9.9 8.0 12.0

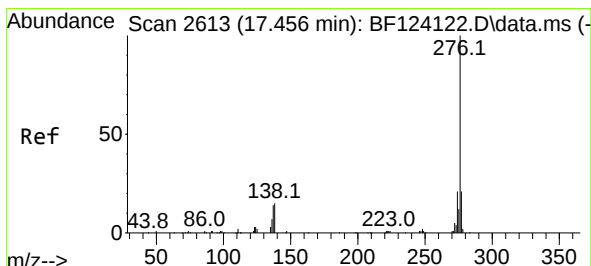
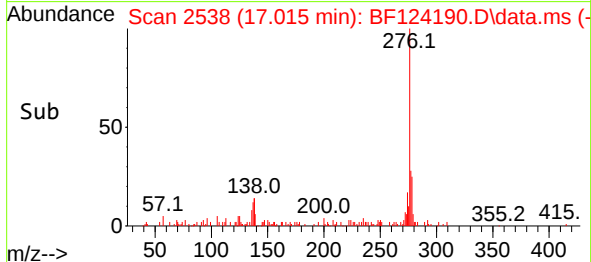
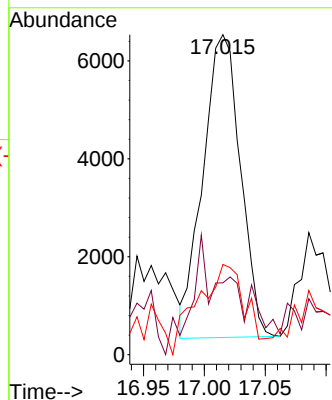
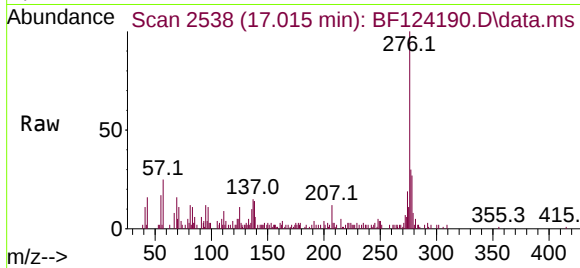




#91
Dibenzo(a,h)anthracene
Concen: 6.24 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Instrument :
BNA_F
ClientSampleId :
18-B9(4-6)RE

Tgt Ion:278 Resp: 13197
Ion Ratio Lower Upper
278 100
139 22.4 10.2 15.2#
279 28.2 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 11.32 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF124190.D
Acq: 8 Jun 2021 20:44

Tgt Ion:276 Resp: 47021
Ion Ratio Lower Upper
276 100
277 26.6 18.2 27.2
138 17.2 13.8 20.6

