

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126334.D
 Acq On : 22 Dec 2021 17:49
 Operator : JU/CG
 Sample : M5198-02 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 18:10:32 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

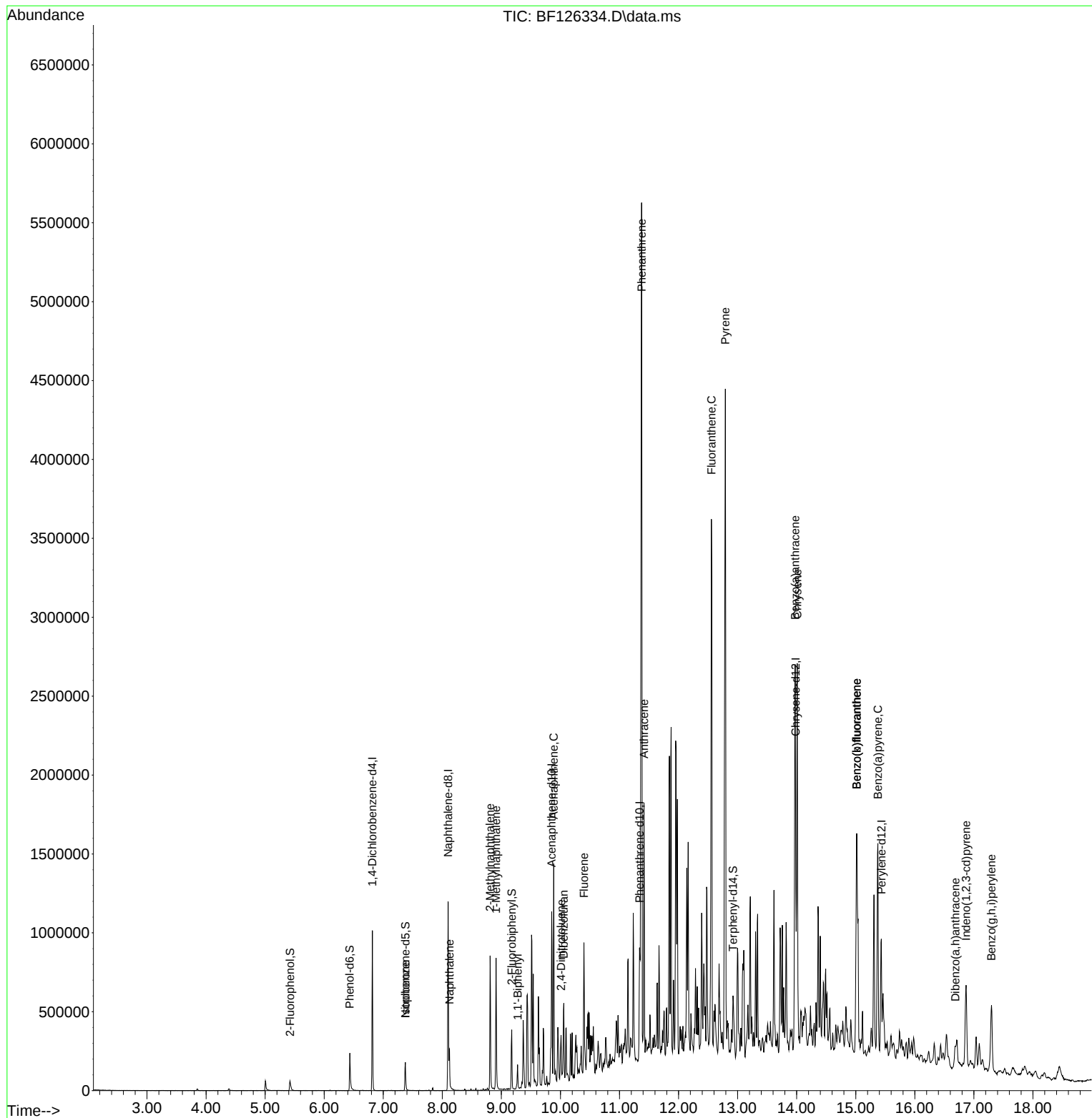
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	135410	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	528194	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	215384	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	311931	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	229752	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	291272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	29778	3.239	ng	0.00
7) Phenol-d6	6.434	99	102164	8.750	ng	-0.01
23) Nitrobenzene-d5	7.375	82	68922	7.067	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	910	0.526	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	109908	8.950	ng	0.00
79) Terphenyl-d14	12.921	244	86436	6.539	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.375	82	68921	3.742	ng	# 59
31) Naphthalene	8.122	128	104889	4.246	ng	99
37) 2-Methylnaphthalene	8.810	142	230171	15.131	ng	99
38) 1-Methylnaphthalene	8.910	142	220054	14.906	ng	96
46) 1,1'-Biphenyl	9.275	154	44561	2.798	ng	96
52) Acenaphthene	9.886	154	264074	22.240	ng	100
55) Dibenzofuran	10.057	168	68698	4.250	ng	# 91
57) 2,4-Dinitrotoluene	10.010	165	10654	2.828	ng	# 54
58) Fluorene	10.398	166	197177	16.848	ng	98
71) Phenanthrene	11.375	178	2611069	162.181	ng	94
72) Anthracene	11.416	178	557182	34.480	ng	99
75) Fluoranthene	12.557	202	1432041	98.724	ng	91
78) Pyrene	12.792	202	2130714	100.944	ng	96
81) Benzo(a)anthracene	13.974	228	922076	67.753	ng	97
83) Chrysene	14.010	228	884665	62.565	ng	97
87) Indeno(1,2,3-cd)pyrene	16.868	276	324886	16.722	ng	96
88) Benzo(b)fluoranthene	15.015	252	1013024	57.883	ng	# 94
89) Benzo(k)fluoranthene	15.015	252	1013024	60.508	ng	# 94
90) Benzo(a)pyrene	15.374	252	669918	46.056	ng	# 96
91) Dibenzo(a,h)anthracene	16.686	278	128235	8.120	ng	95
92) Benzo(g,h,i)perylene	17.298	276	298616	18.275	ng	# 91

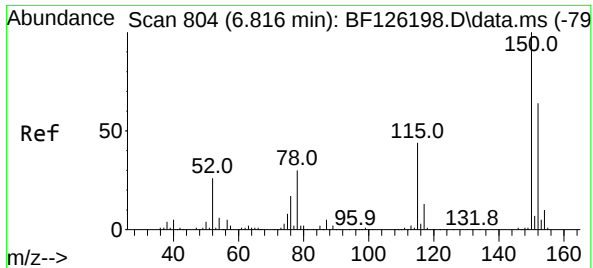
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

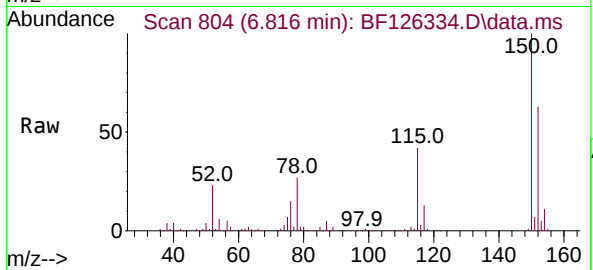
Quant Time: Dec 22 18:10:32 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration



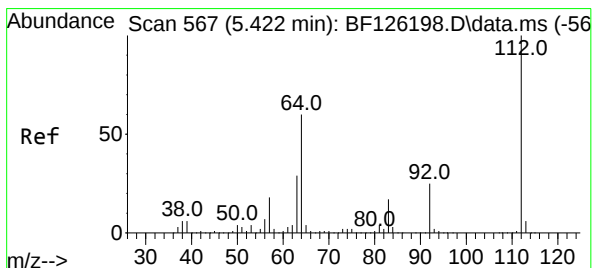
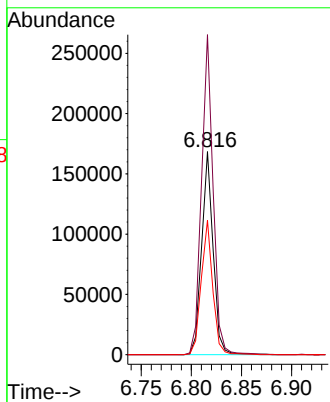
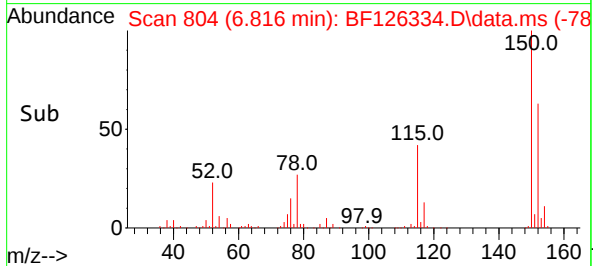


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

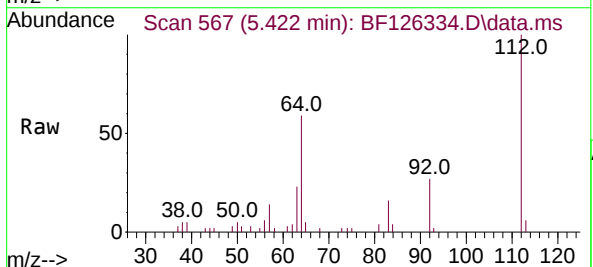
Instrument :
BNA_F
ClientSampleId :



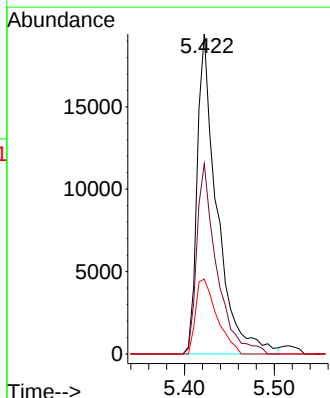
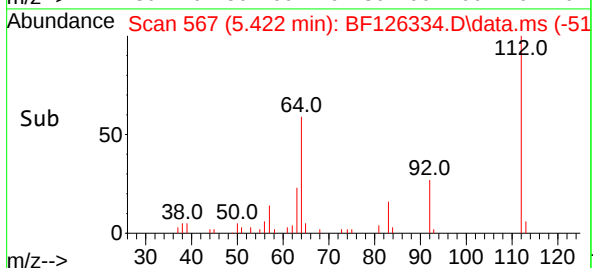
Tgt Ion:152 Resp: 135410
Ion Ratio Lower Upper
152 100
150 157.6 117.6 176.4
115 66.2 47.1 70.7

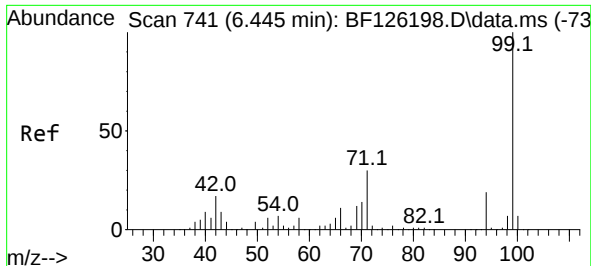


#5
2-Fluorophenol
Concen: 3.239 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49



Tgt Ion:112 Resp: 29778
Ion Ratio Lower Upper
112 100
64 59.5 44.2 66.2
63 23.4 26.2 39.2#

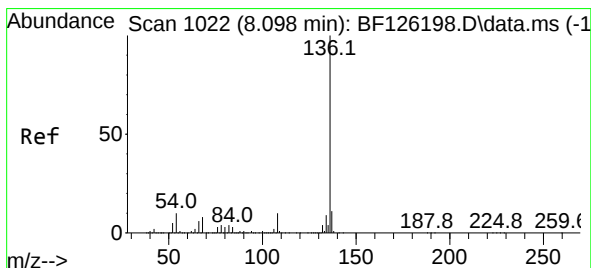
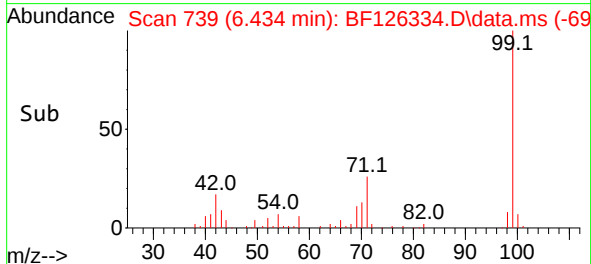
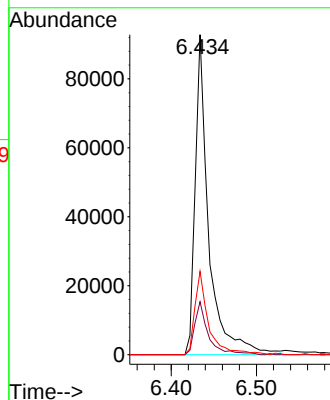
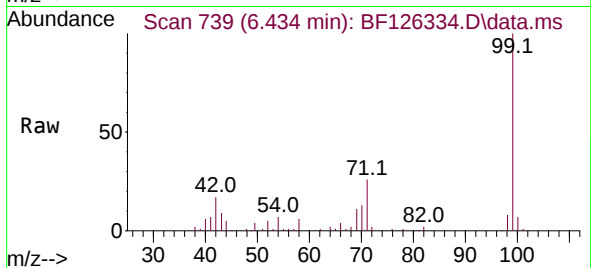




#7
Phenol-d6
Concen: 8.750 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

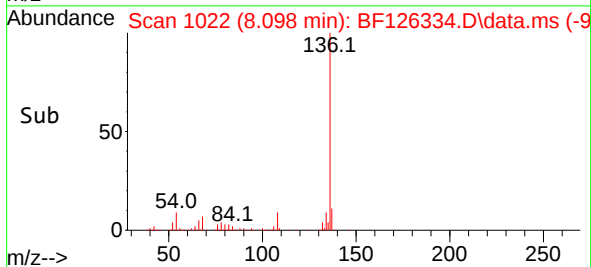
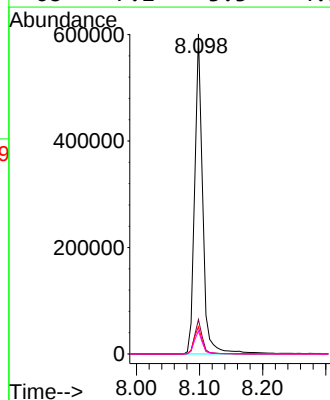
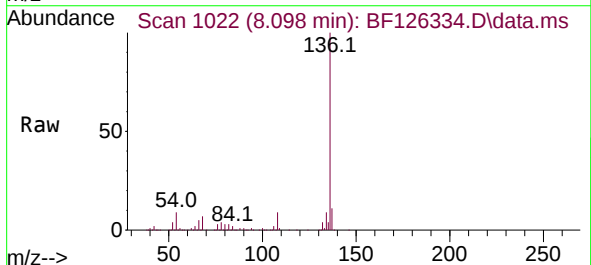
Instrument :
BNA_F
ClientSampleId :

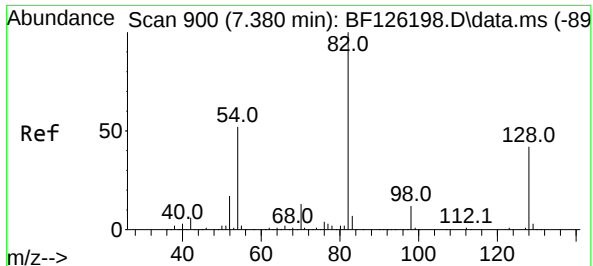
Tgt Ion: 99 Resp: 102164
Ion Ratio Lower Upper
99 100
42 16.6 23.5 35.3#
71 26.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion: 136 Resp: 528194
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 8.5 6.4 9.6
68 7.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 7.067 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

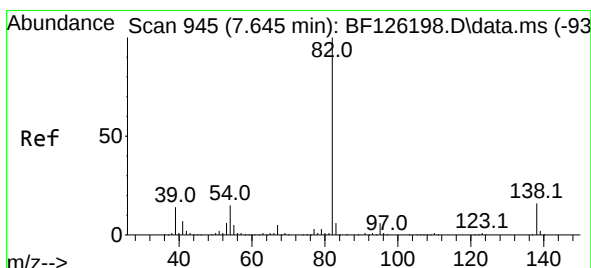
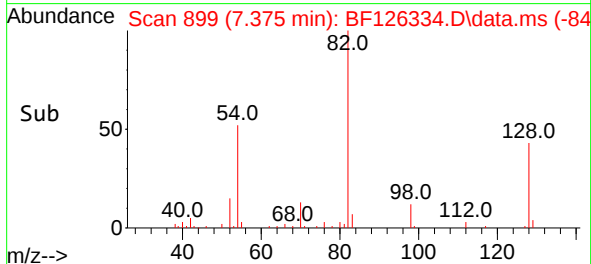
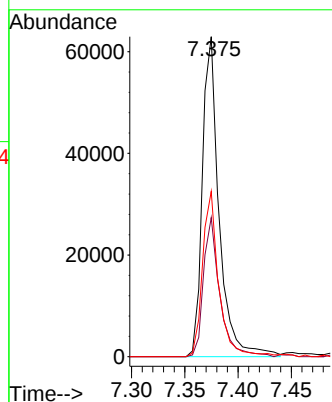
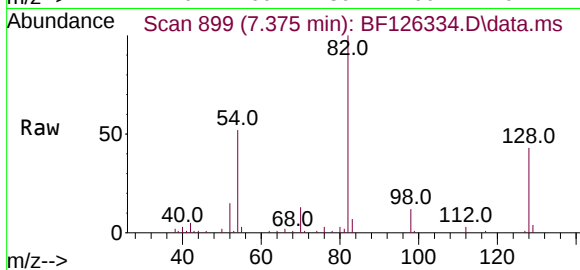
Tgt Ion: 82 Resp: 68922

Ion Ratio Lower Upper

82 100

128 43.5 40.6 60.8

54 51.6 49.6 74.4



#25

Isophorone

Concen: 3.742 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.265 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

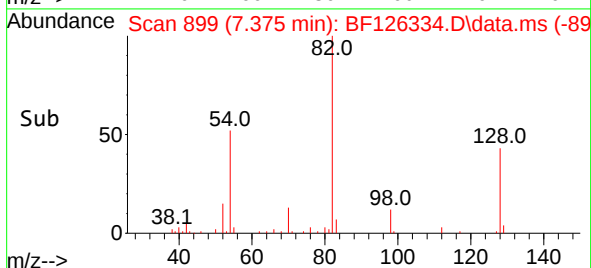
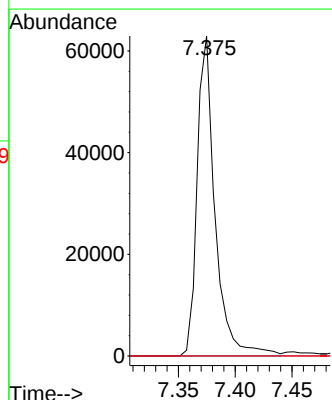
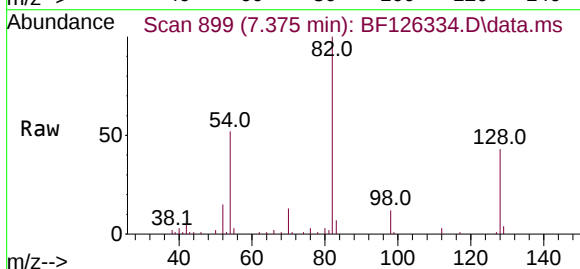
Tgt Ion: 82 Resp: 68921

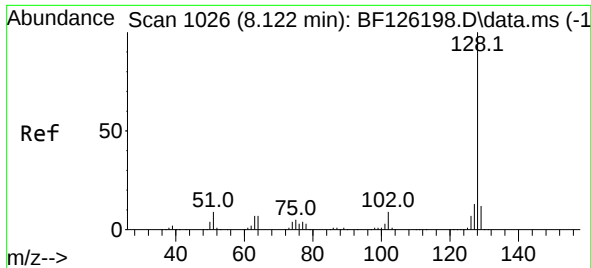
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

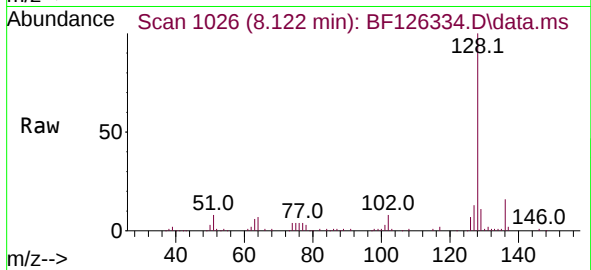
138 0.0 18.4 27.6#



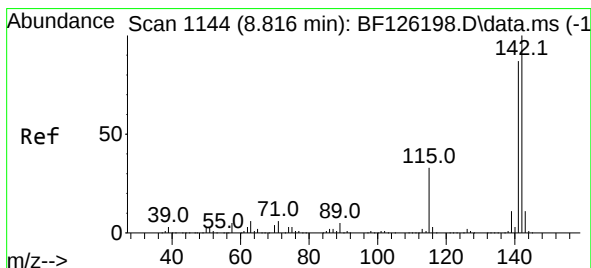
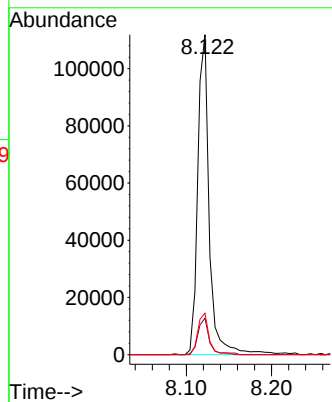
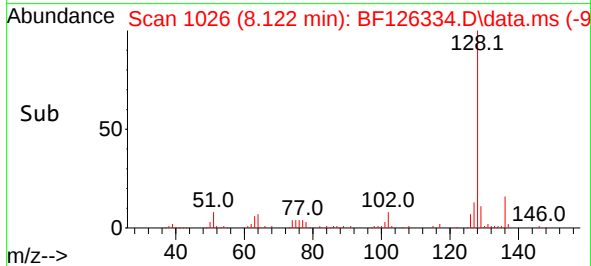


#31
Naphthalene
Concen: 4.246 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Instrument :
BNA_F
ClientSampleId :

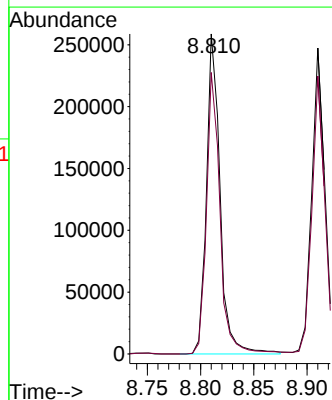
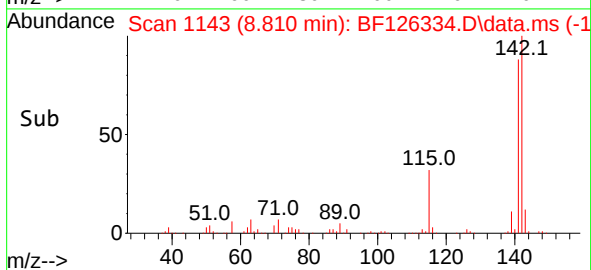
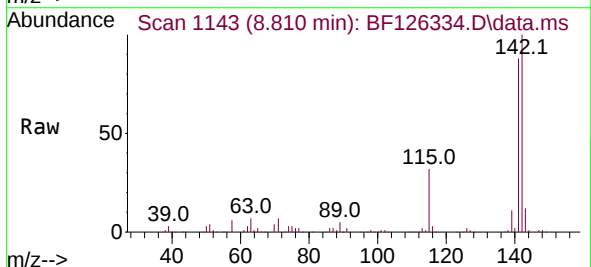


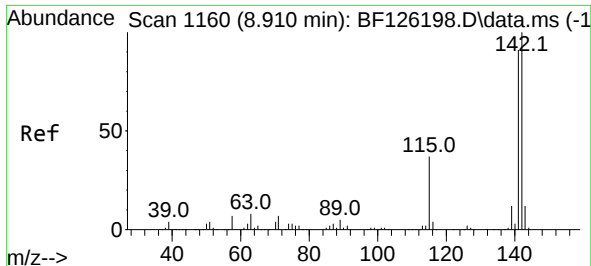
Tgt Ion:128 Resp: 104889
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.0
127 13.0 10.9 16.3



#37
2-Methylnaphthalene
Concen: 15.131 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:142 Resp: 230171
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8





#38

1-Methylnaphthalene

Concen: 14.906 ng

RT: 8.910 min Scan# 1160

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

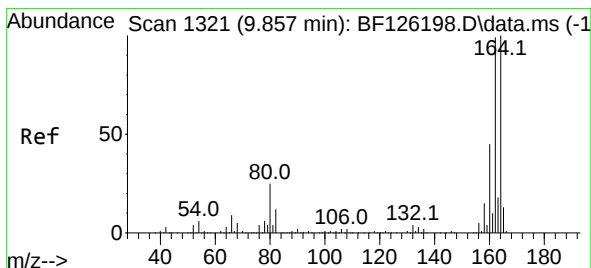
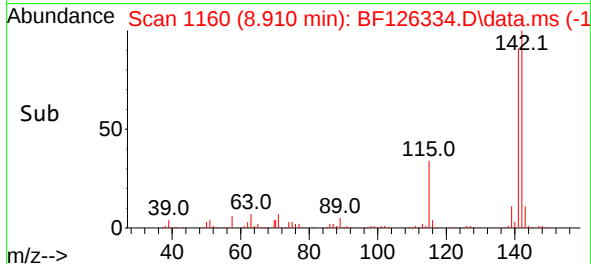
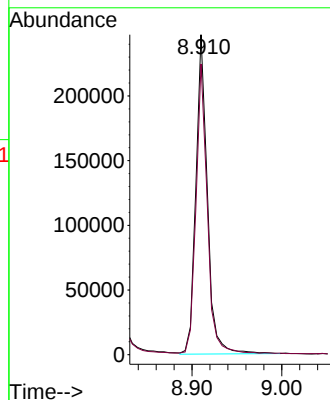
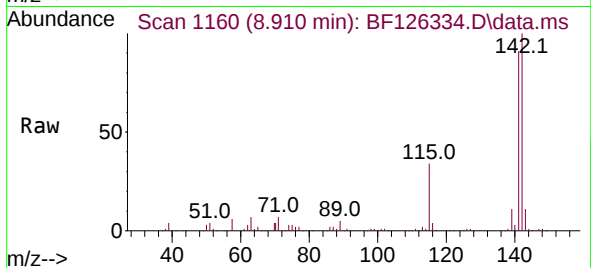
ClientSampleId :

Tgt Ion:142 Resp: 220054

Ion Ratio Lower Upper

142 100

141 90.8 76.0 114.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

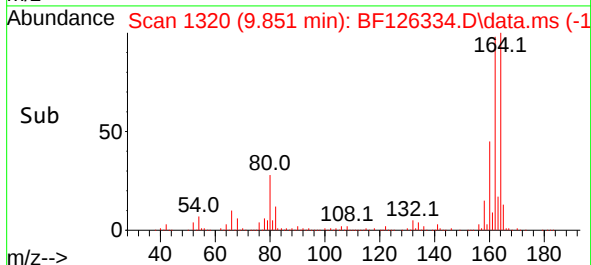
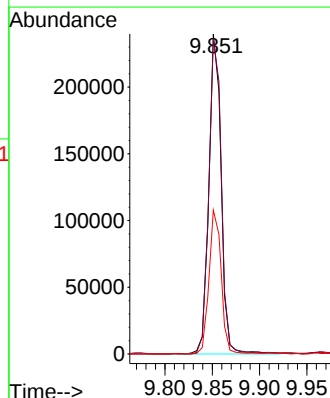
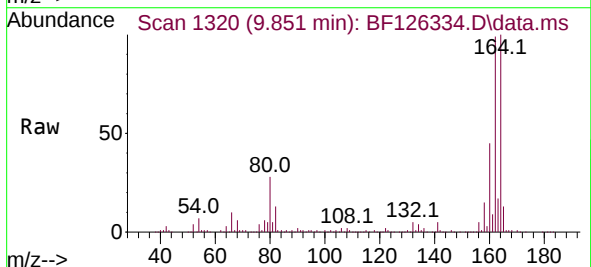
Tgt Ion:164 Resp: 215384

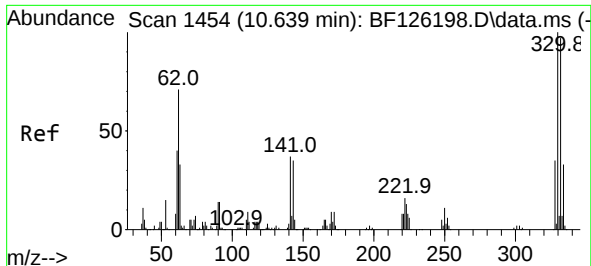
Ion Ratio Lower Upper

164 100

162 98.5 81.3 121.9

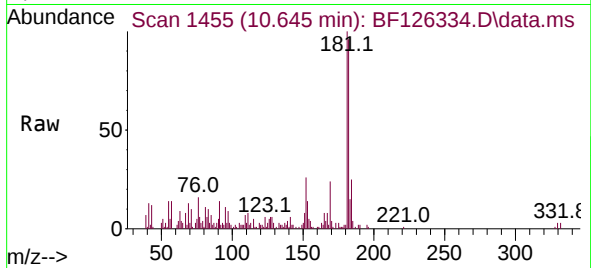
160 44.9 38.0 57.0



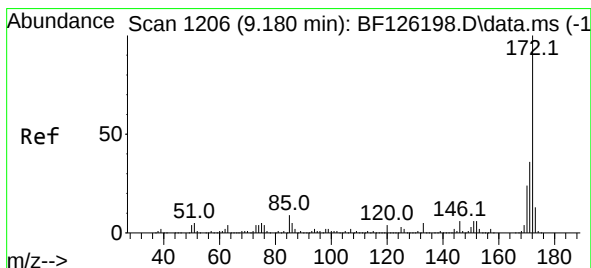
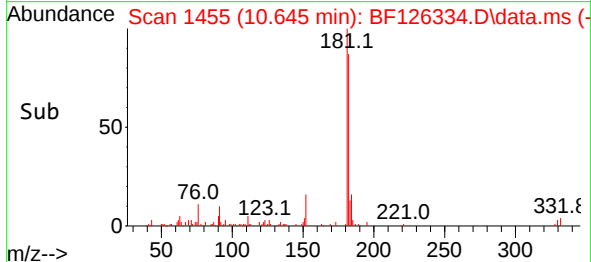
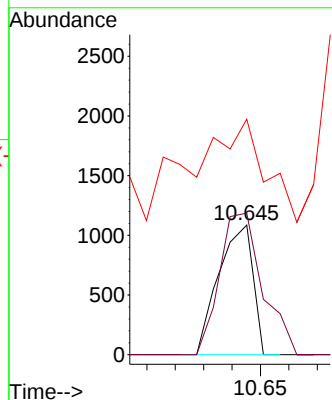


#42
2,4,6-Tribromophenol
Concen: 0.526 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Instrument :
BNA_F
ClientSampleId :

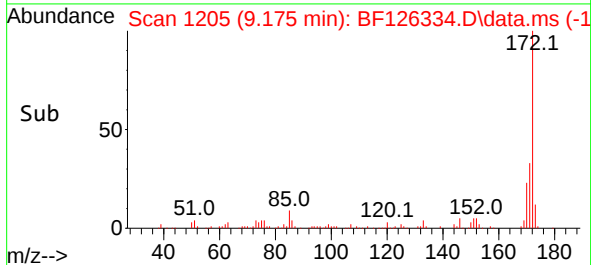
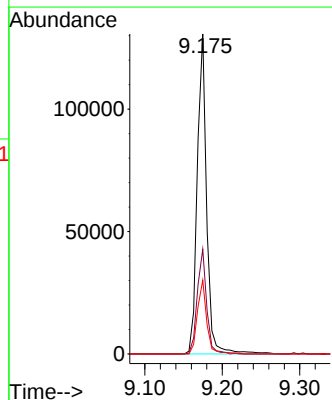
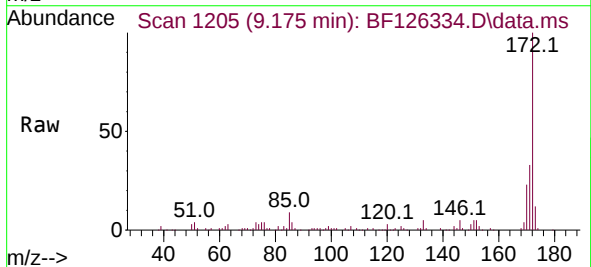


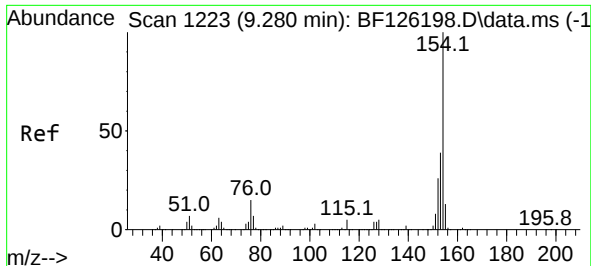
Tgt Ion: 330 Resp: 910
Ion Ratio Lower Upper
330 100
332 137.6 76.2 114.4#
141 232.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 8.950 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion: 172 Resp: 109908
Ion Ratio Lower Upper
172 100
171 32.8 26.5 39.7
170 23.0 18.8 28.2

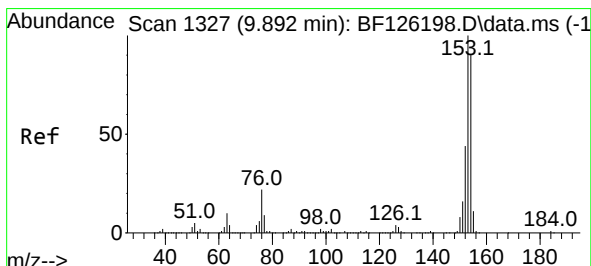
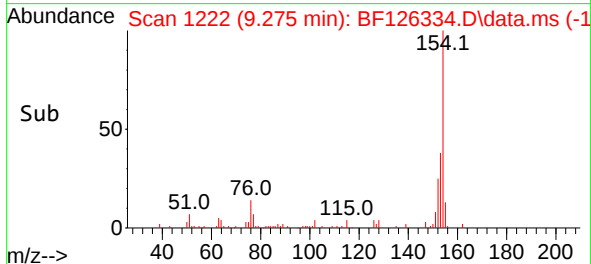
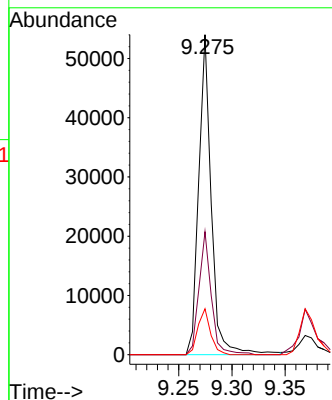
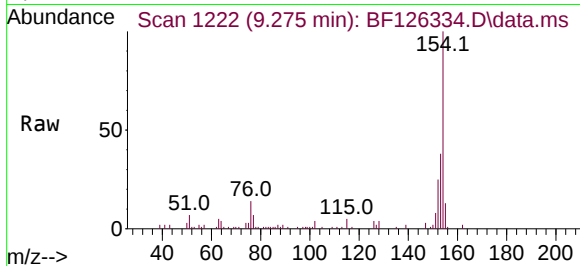




#46
1,1'-Biphenyl
Concen: 2.798 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

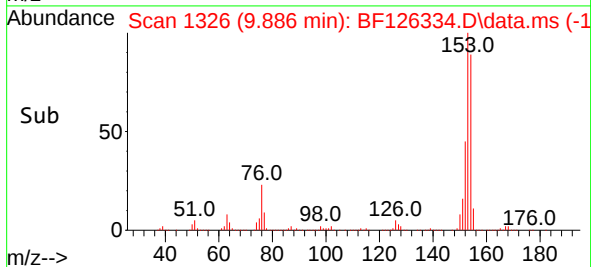
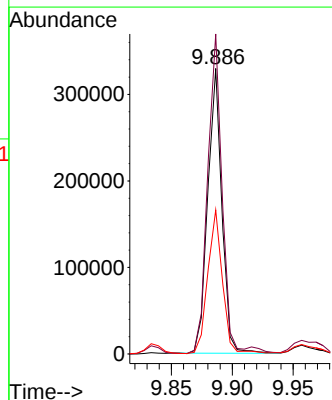
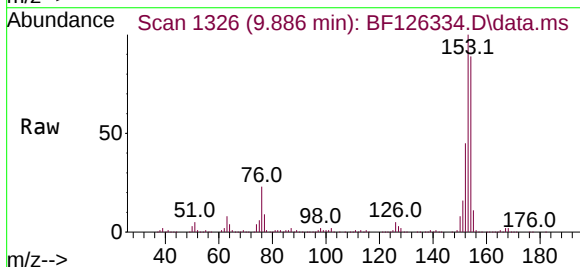
Instrument :
BNA_F
ClientSampleId :

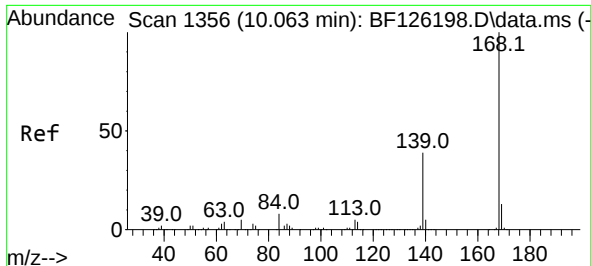
Tgt Ion:154 Resp: 44561
Ion Ratio Lower Upper
154 100
153 38.4 20.0 60.0
76 14.4 0.0 30.3



#52
Acenaphthene
Concen: 22.240 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

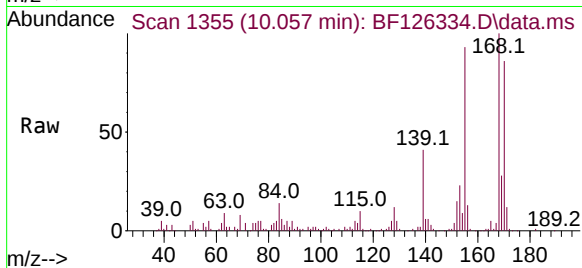
Tgt Ion:154 Resp: 264074
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 50.5 40.5 60.7



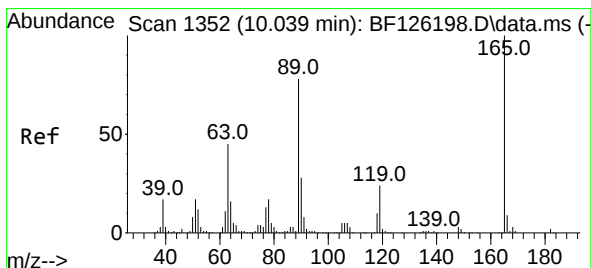
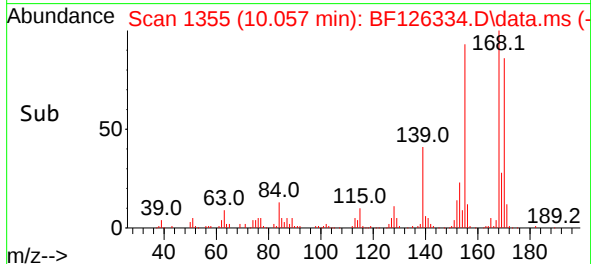
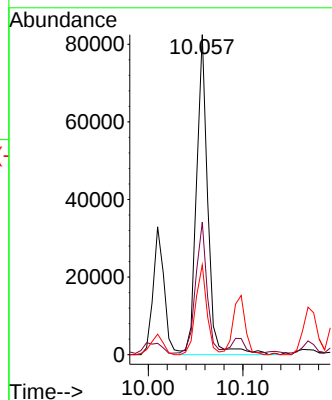


#55
Dibenzenofuran
Concen: 4.250 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Instrument :
BNA_F
ClientSampleId :

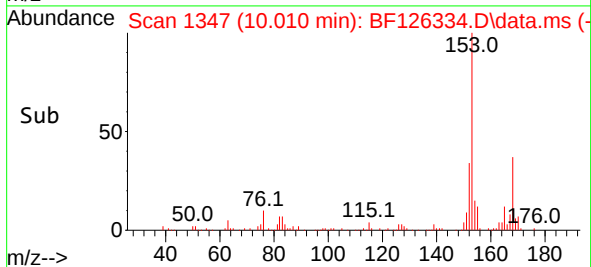
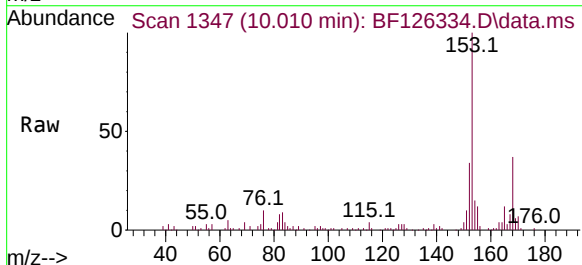
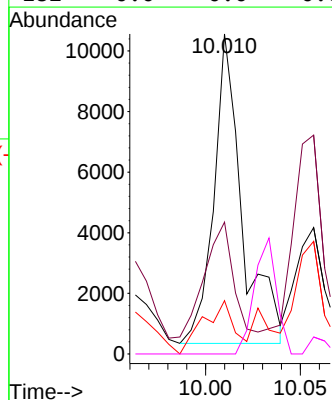


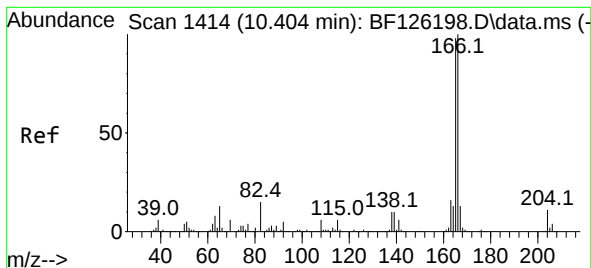
Tgt Ion:168 Resp: 68698
Ion Ratio Lower Upper
168 100
139 41.4 32.7 49.1
169 28.0 11.2 16.8#



#57
2,4-Dinitrotoluene
Concen: 2.828 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.029 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:165 Resp: 10654
Ion Ratio Lower Upper
165 100
63 41.2 40.9 61.3
89 16.6 59.7 89.5#
182 0.0 0.0 0.0





#58

Fluorene

Concen: 16.848 ng

RT: 10.398 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

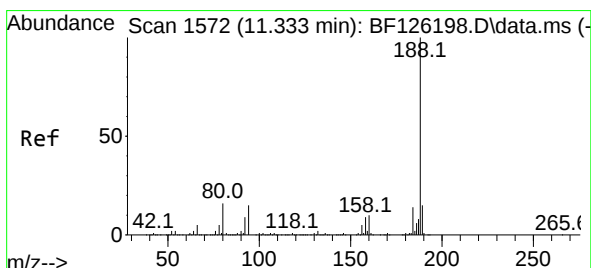
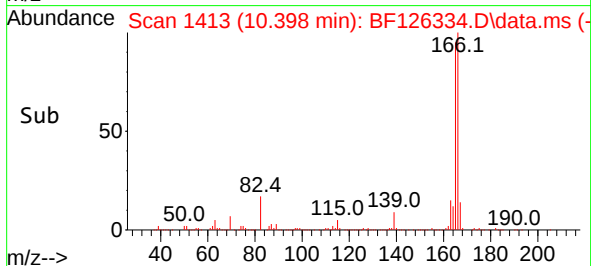
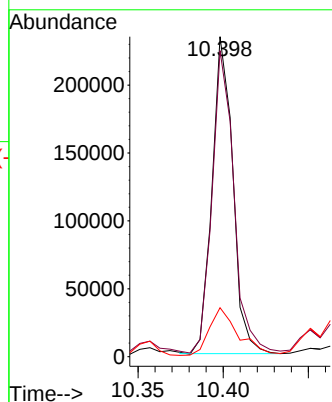
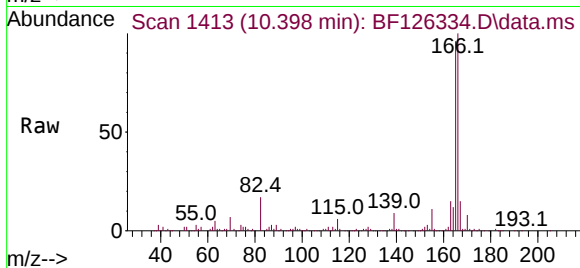
Tgt Ion:166 Resp: 197177

Ion Ratio Lower Upper

166 100

165 95.6 78.1 117.1

167 15.3 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

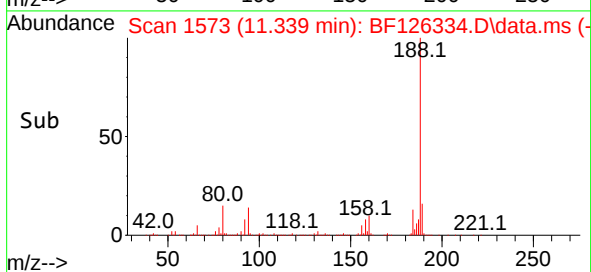
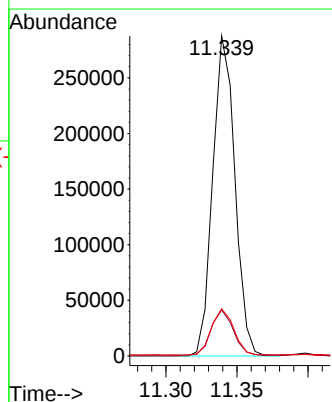
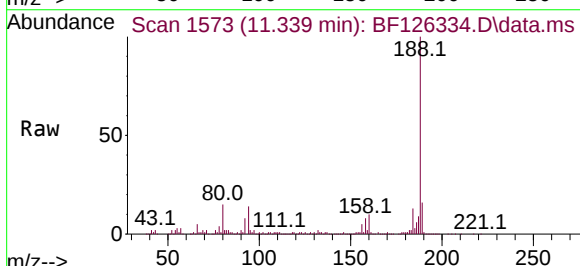
Tgt Ion:188 Resp: 311931

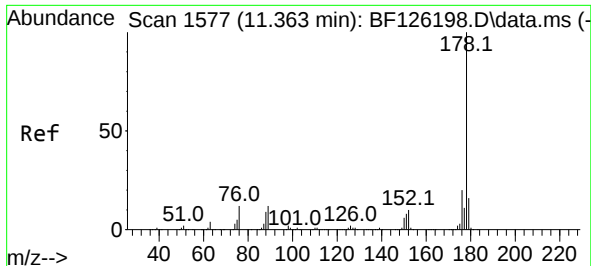
Ion Ratio Lower Upper

188 100

94 14.4 6.7 10.1#

80 14.7 7.5 11.3#

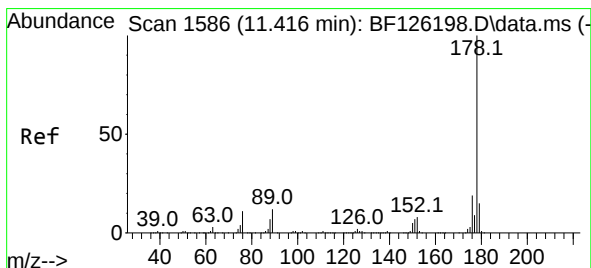
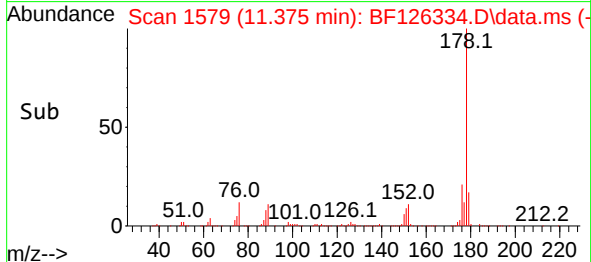
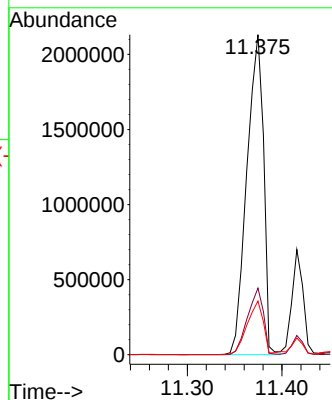
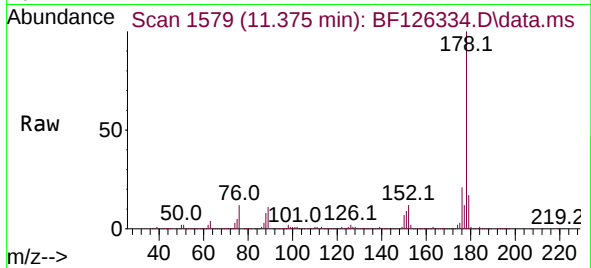




#71
Phenanthrene
Concen: 162.181 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

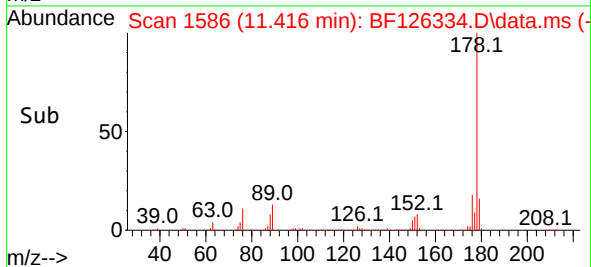
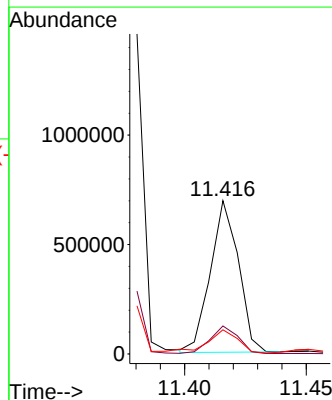
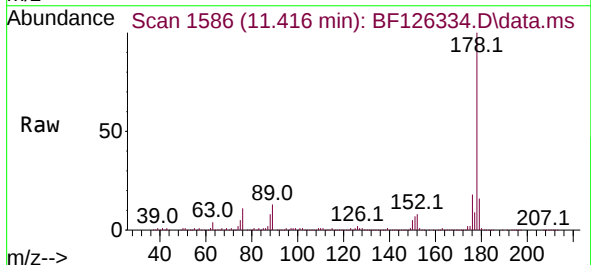
Instrument :
BNA_F
ClientSampleId :

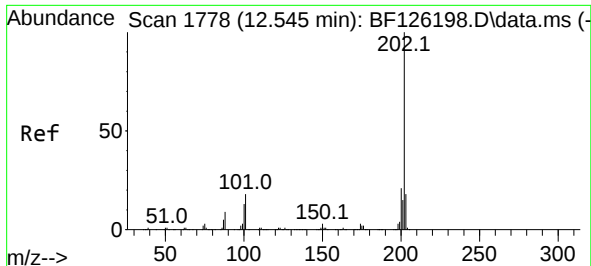
Tgt Ion:178 Resp: 2611069
Ion Ratio Lower Upper
178 100
176 20.8 14.7 22.1
179 16.7 11.5 17.3



#72
Anthracene
Concen: 34.480 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:178 Resp: 557182
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 15.8 12.2 18.4

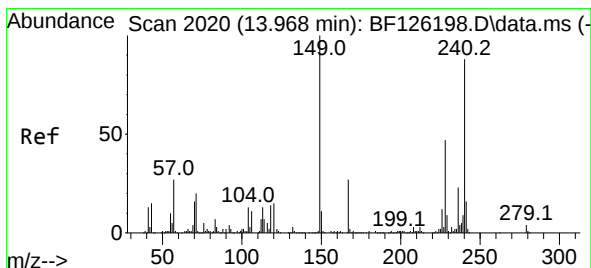
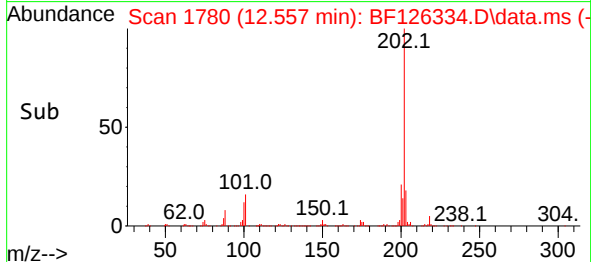
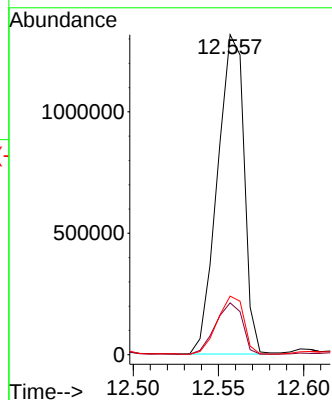
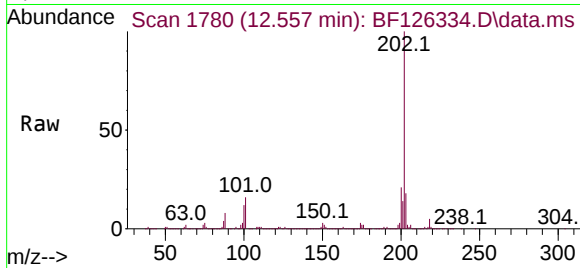




#75
Fluoranthene
Concen: 98.724 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

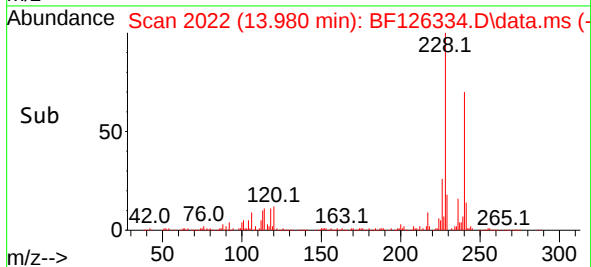
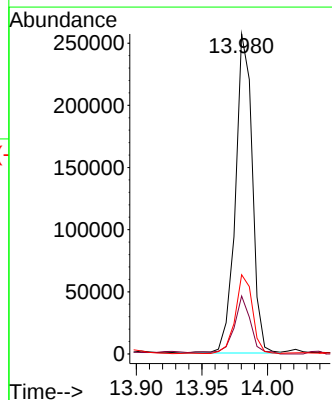
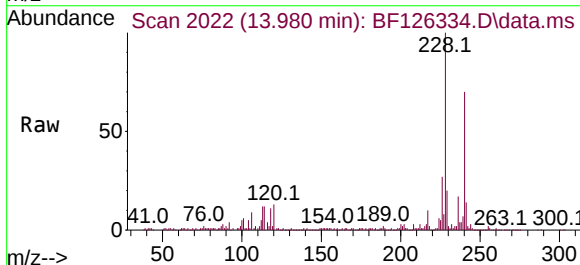
Instrument :
BNA_F
ClientSampleId :

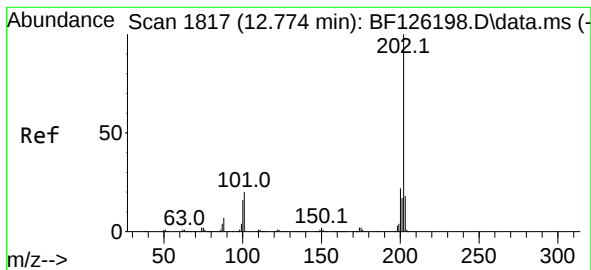
Tgt Ion:202 Resp: 1432041
Ion Ratio Lower Upper
202 100
101 16.2 0.0 30.7
203 18.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:240 Resp: 229752
Ion Ratio Lower Upper
240 100
120 18.1 10.8 16.2#
236 24.8 21.6 32.4





#78

Pyrene

Concen: 100.944 ng

RT: 12.792 min Scan# 1820

Delta R.T. 0.012 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

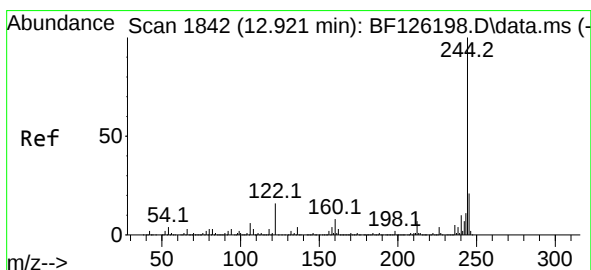
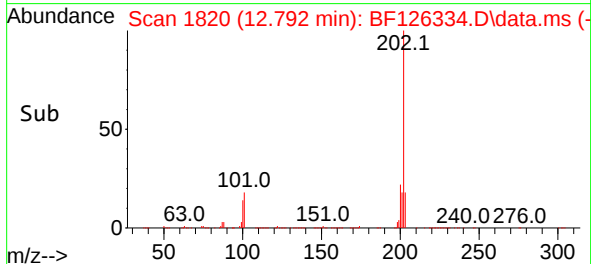
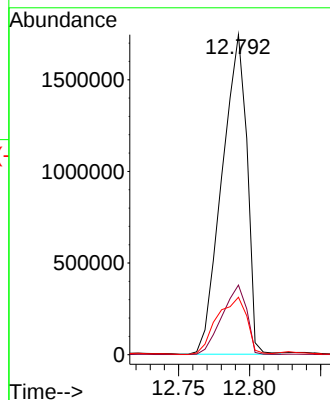
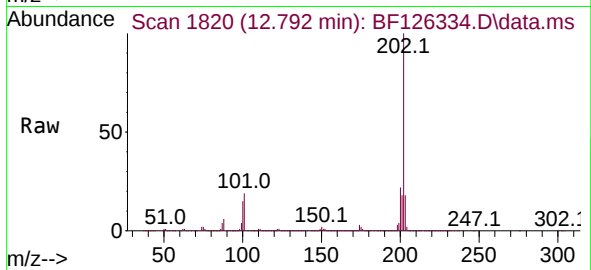
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:202 Resp: 2130714

Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.3	22.9
203	18.0	13.4	20.0



#79

Terphenyl-d14

Concen: 6.539 ng

RT: 12.921 min Scan# 1842

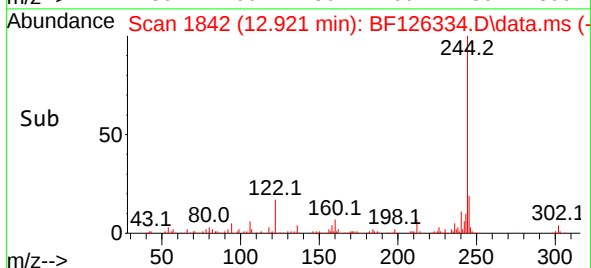
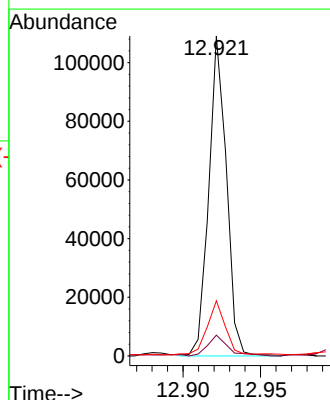
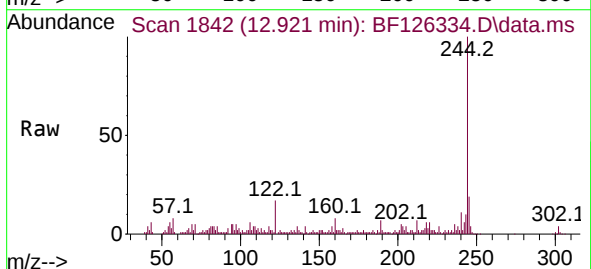
Delta R.T. -0.006 min

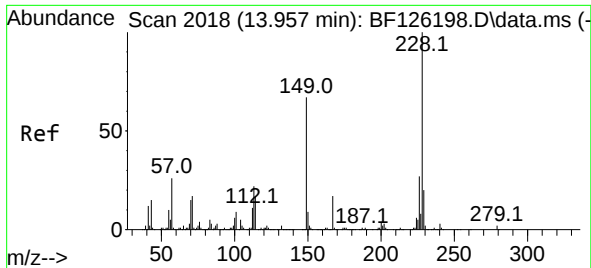
Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Tgt Ion:244 Resp: 86436

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	17.3	9.0	13.4

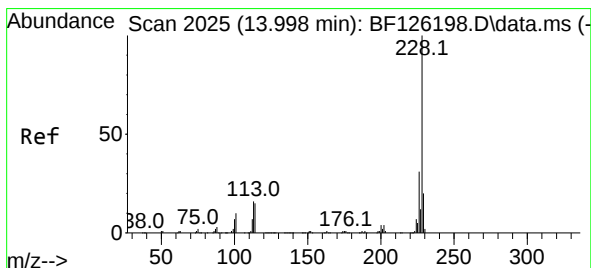
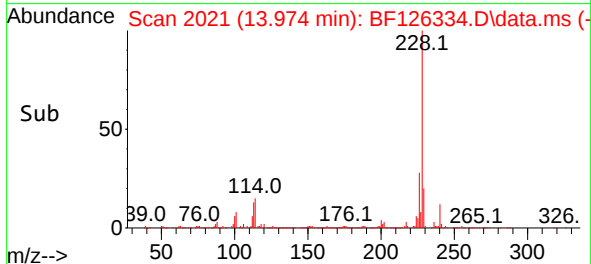
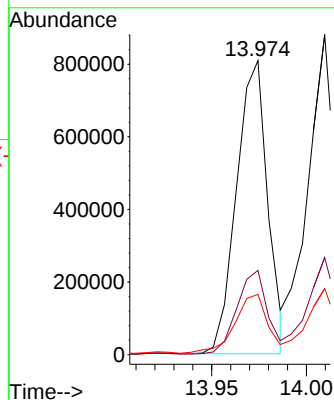
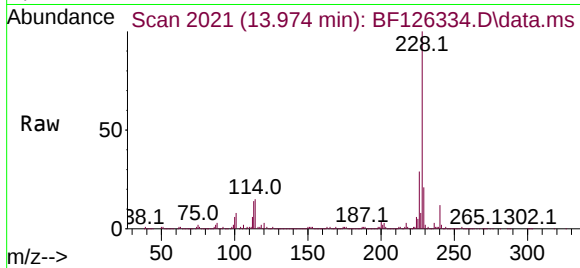




#81
Benzo(a)anthracene
Concen: 67.753 ng
RT: 13.974 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

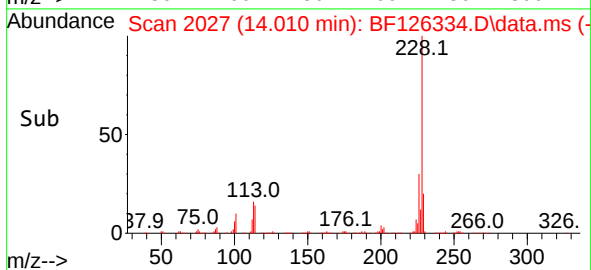
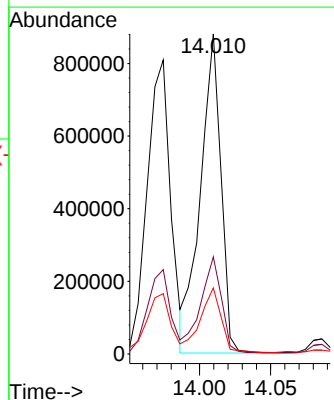
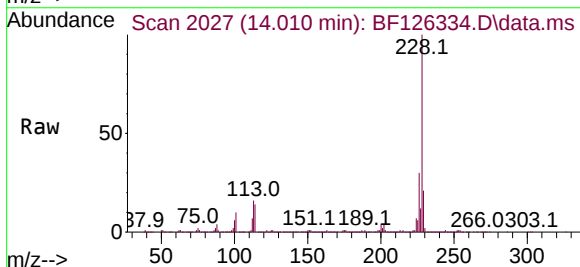
Instrument :
BNA_F
ClientSampleId :

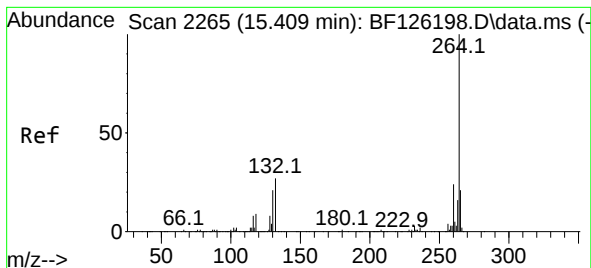
Tgt Ion:228 Resp: 922076
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 20.5 15.6 23.4



#83
Chrysene
Concen: 62.565 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:228 Resp: 884665
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 20.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

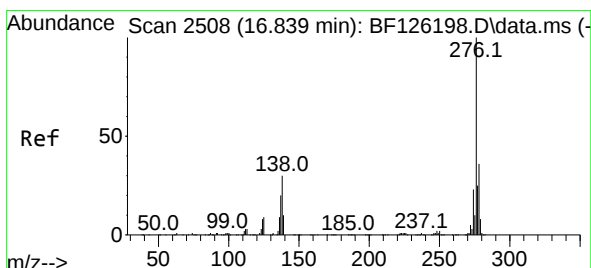
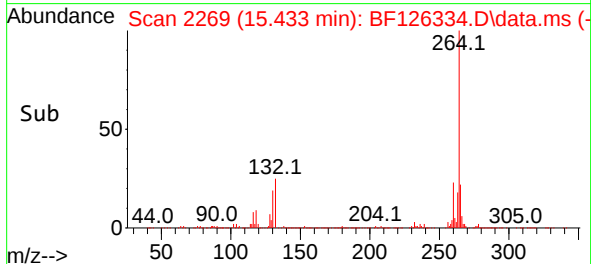
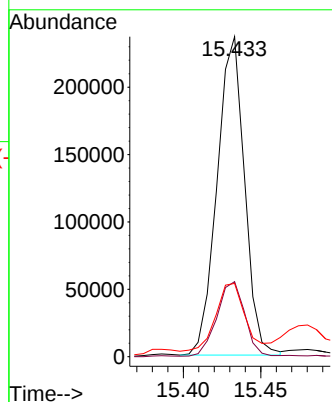
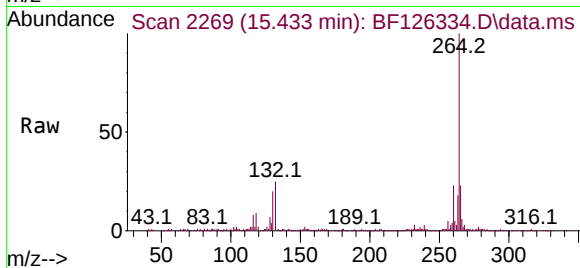
Tgt Ion:264 Resp: 291272

Ion Ratio Lower Upper

264 100

260 23.4 19.6 29.4

265 22.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.722 ng

RT: 16.868 min Scan# 2513

Delta R.T. 0.006 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

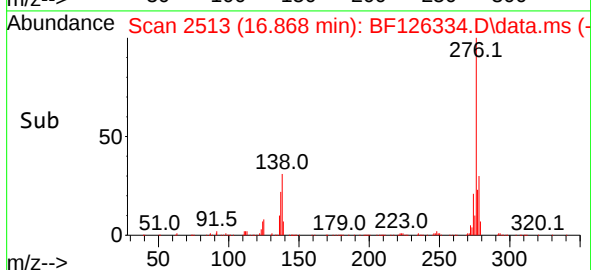
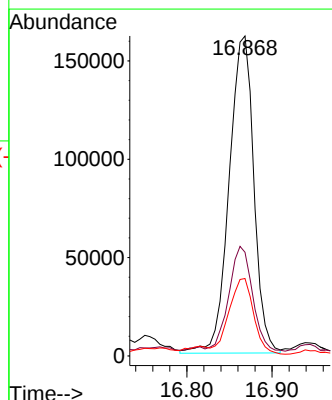
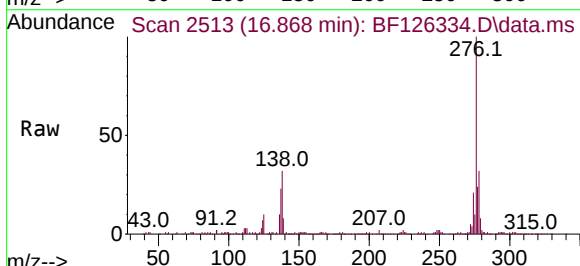
Tgt Ion:276 Resp: 324886

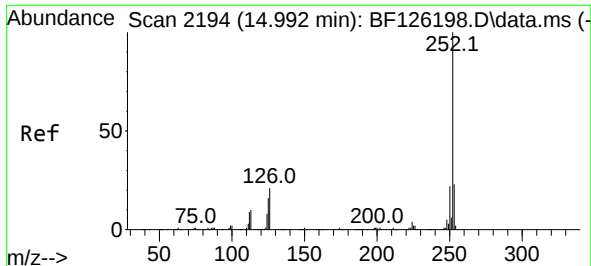
Ion Ratio Lower Upper

276 100

138 33.7 24.1 36.1

277 23.7 18.8 28.2

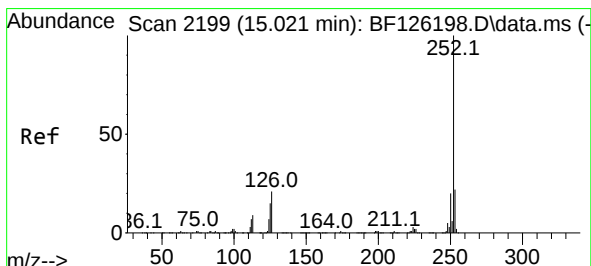
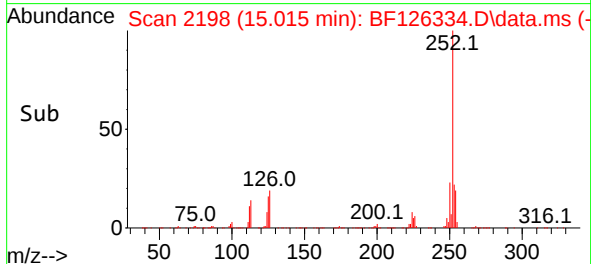
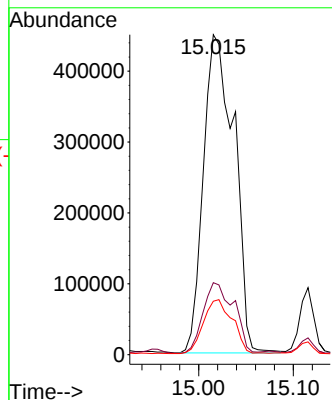
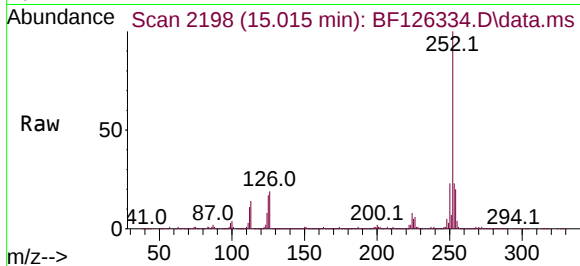




#88
Benzo(b)fluoranthene
Concen: 57.883 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

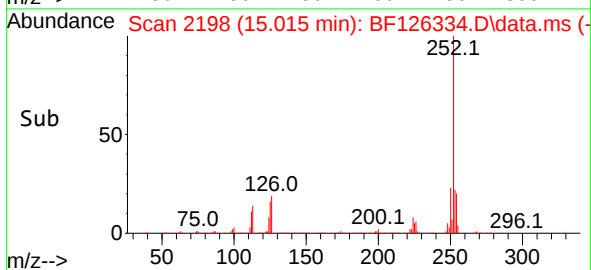
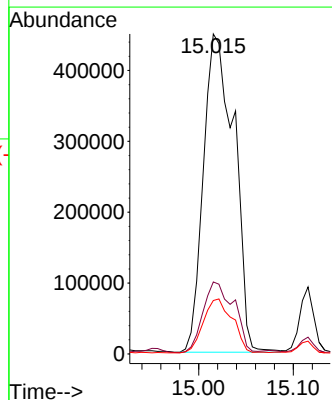
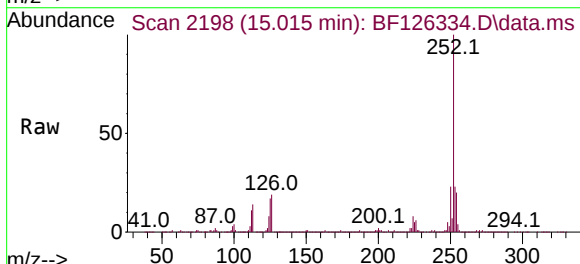
Instrument :
BNA_F
ClientSampleId :

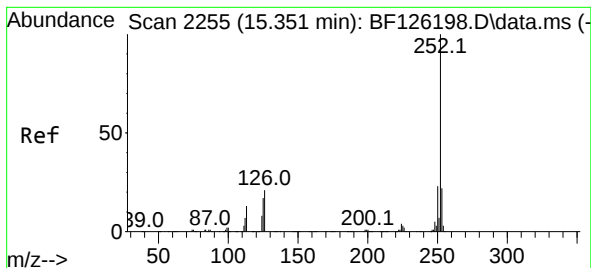
Tgt Ion:252 Resp: 1013024
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 16.7 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 60.508 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF126334.D
Acq: 22 Dec 2021 17:49

Tgt Ion:252 Resp: 1013024
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 16.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 46.056 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :

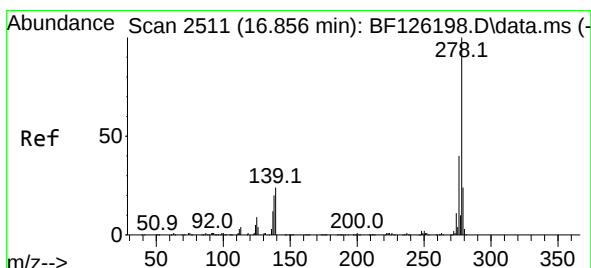
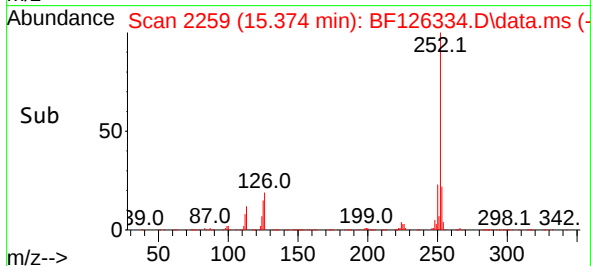
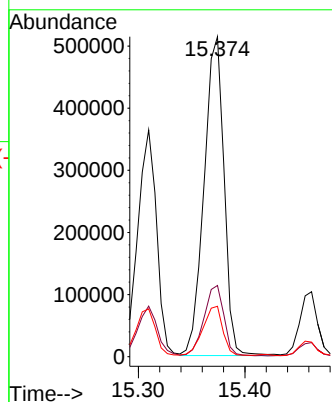
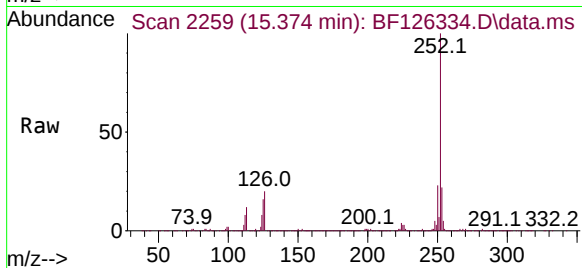
Tgt Ion:252 Resp: 669918

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

125 15.8 9.9 14.9#



#91

Dibenzo(a,h)anthracene

Concen: 8.120 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.194 min

Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

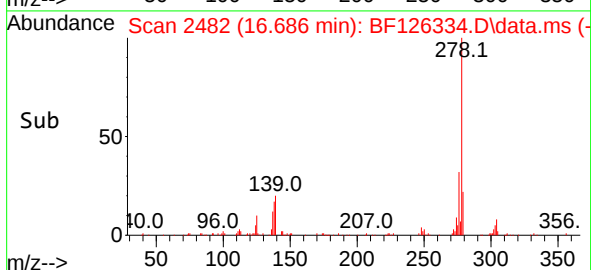
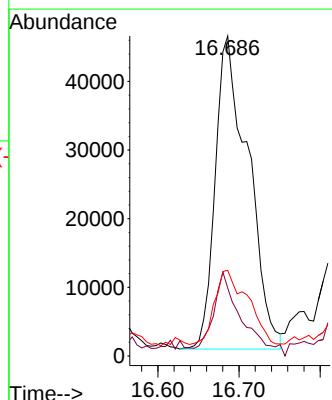
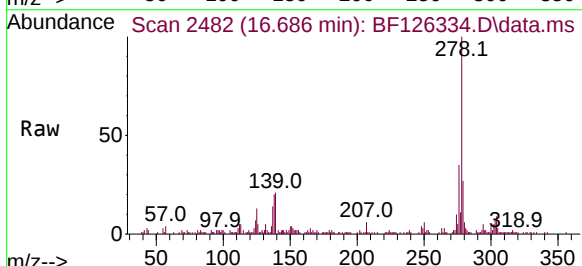
Tgt Ion:278 Resp: 128235

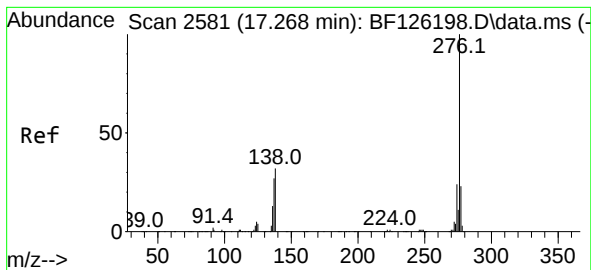
Ion Ratio Lower Upper

278 100

139 21.3 14.9 22.3

279 26.8 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 18.275 ng

RT: 17.298 min Scan# 21

Delta R.T. 0.000 min

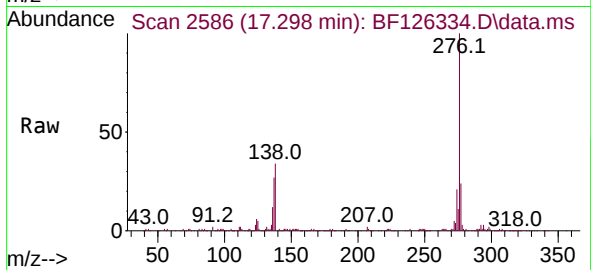
Lab File: BF126334.D

Acq: 22 Dec 2021 17:49

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 298616

Ion Ratio Lower Upper

276 100

277 24.3 22.0 33.0

138 33.9 22.2 33.4#

