

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125890.D
 Acq On : 18 Oct 2021 22:01
 Operator : JU/CG
 Sample : M4249-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-(S)

Quant Time: Oct 19 09:09:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

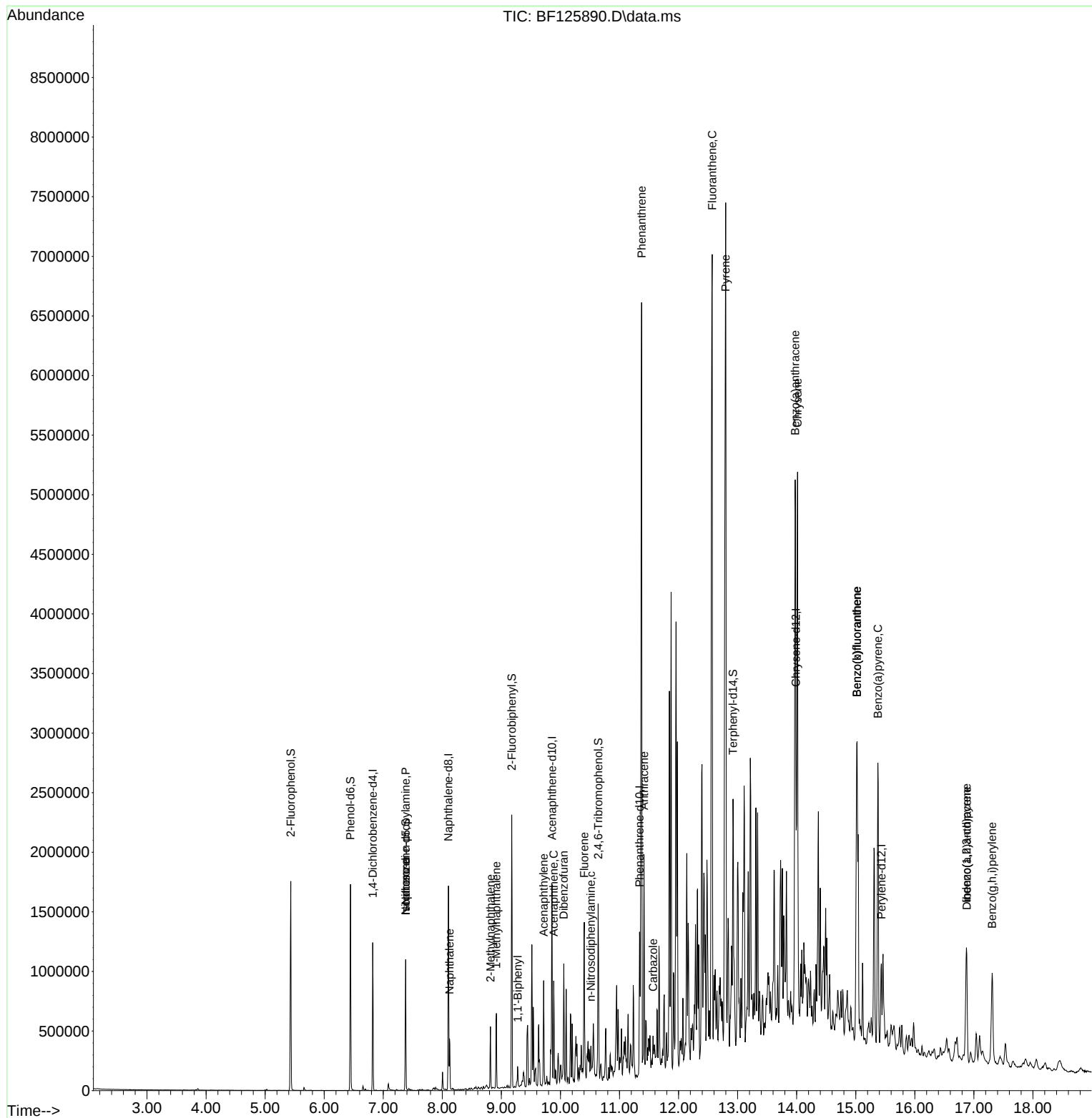
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	178256	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	704632	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	326059	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	519896	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	358430	20.000	ng	0.01
86) Perylene-d12	15.433	264	286338	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	491457	45.040	ng	0.00
7) Phenol-d6	6.445	99	578052	41.151	ng	-0.01
23) Nitrobenzene-d5	7.381	82	324479	28.624	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	126330	39.243	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	650337	34.402	ng	0.00
79) Terphenyl-d14	12.921	244	613200	26.060	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	39244	5.292	ng	# 51
25) Isophorone	7.381	82	324395	16.153	ng	# 59
31) Naphthalene	8.122	128	182767	5.365	ng	98
37) 2-Methylnaphthalene	8.816	142	129845	5.885	ng	97
38) 1-Methylnaphthalene	8.916	142	167903	7.842	ng	96
46) 1,1'-Biphenyl	9.275	154	49162	2.051	ng	98
49) Acenaphthylene	9.716	152	260868	9.152	ng	# 96
52) Acenaphthene	9.886	154	150496	8.451	ng	98
55) Dibenzofuran	10.057	168	142891	5.356	ng	# 89
58) Fluorene	10.404	166	370954	18.985	ng	100
66) n-Nitrosodiphenylamine	10.516	169	35745	2.015	ng	97
71) Phenanthrene	11.375	178	2850603	102.478	ng	94
72) Anthracene	11.416	178	635071	22.859	ng	99
73) Carbazole	11.569	167	76543	2.960	ng	97
75) Fluoranthene	12.569	202	3411468	135.917	ng	94
78) Pyrene	12.798	202	3870293	106.286	ng	# 90
81) Benzo(a)anthracene	13.974	228	2134347	91.782	ng	93
83) Chrysene	14.016	228	1892370	82.330	ng	95
87) Indeno(1,2,3-cd)pyrene	16.874	276	621232	28.426	ng	94
88) Benzo(b)fluoranthene	15.021	252	2217666	137.183	ng	99
89) Benzo(k)fluoranthene	15.021	252	2217666	133.614	ng	# 97
90) Benzo(a)pyrene	15.374	252	1218355	85.105	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	176801	9.807	ng	96
92) Benzo(g,h,i)perylene	17.309	276	603630	32.788	ng	93

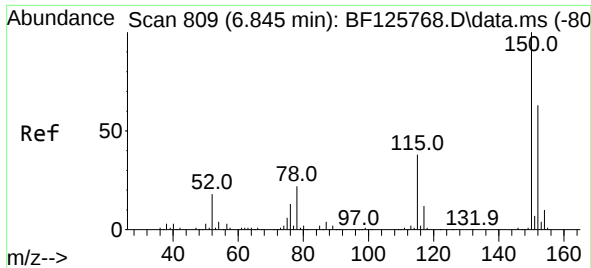
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125890.D
Acq On : 18 Oct 2021 22:01
Operator : JU/CG
Sample : M4249-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Quant Time: Oct 19 09:09:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 2021
Response via : Initial Calibration

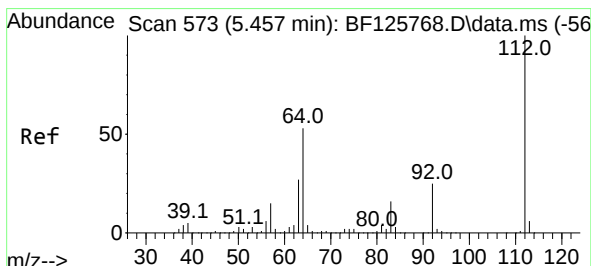
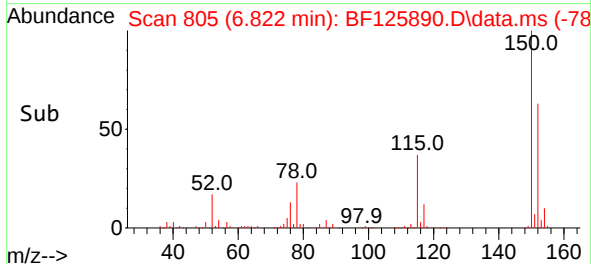
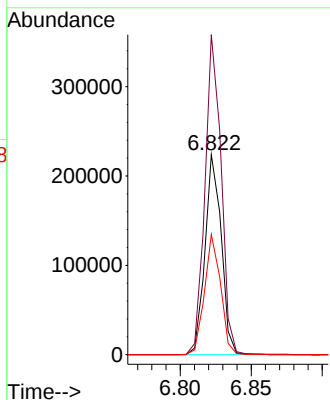
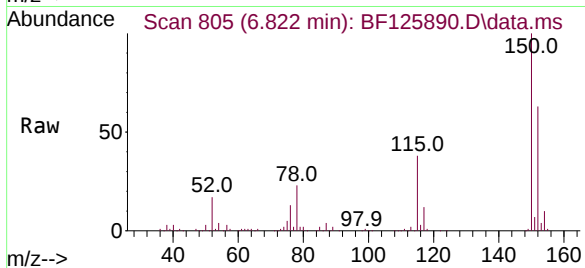




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

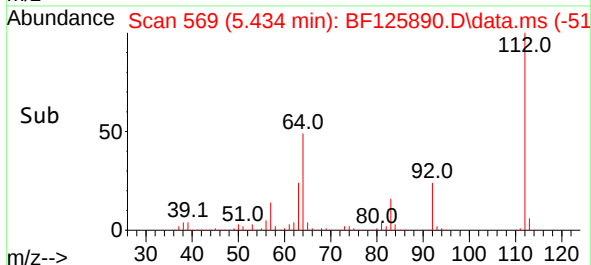
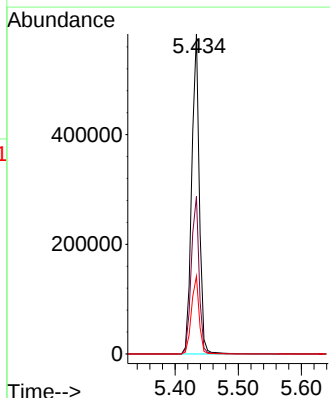
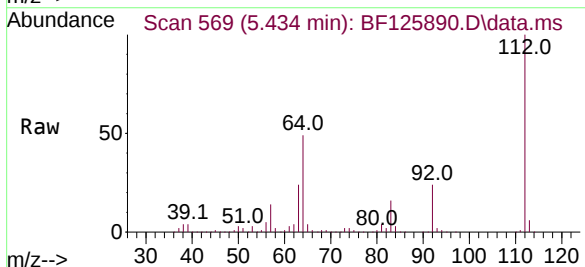
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

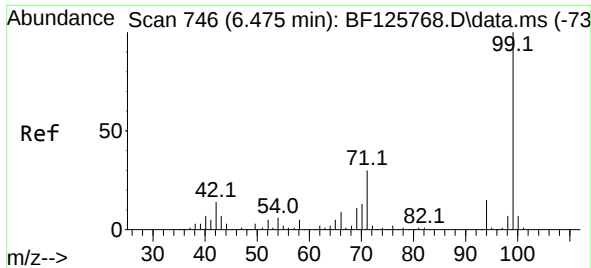
Tgt Ion:152 Resp: 178256
Ion Ratio Lower Upper
152 100
150 159.9 117.6 176.4
115 60.1 47.1 70.7



#5
2-Fluorophenol
Concen: 45.040 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:112 Resp: 491457
Ion Ratio Lower Upper
112 100
64 49.2 44.2 66.2
63 24.3 26.2 39.2#

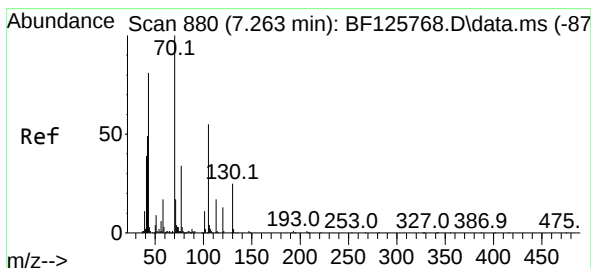
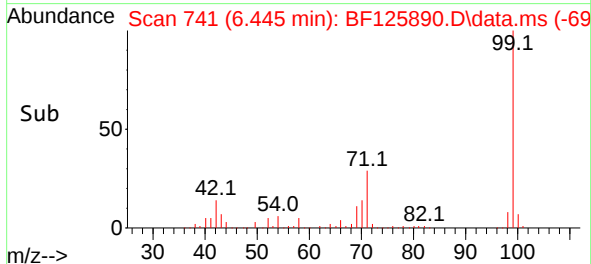
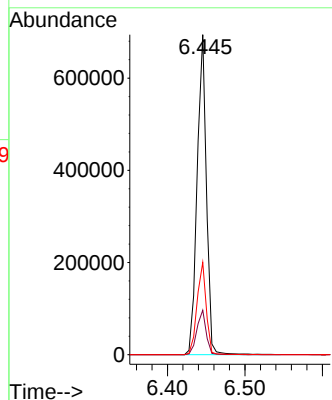
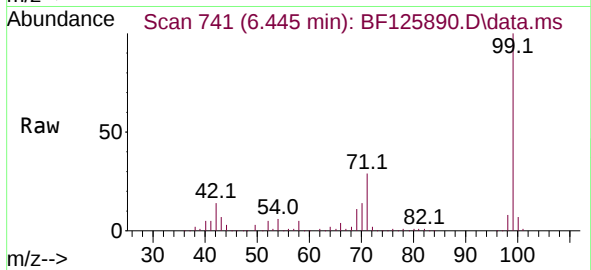




#7
Phenol-d6
Concen: 41.151 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

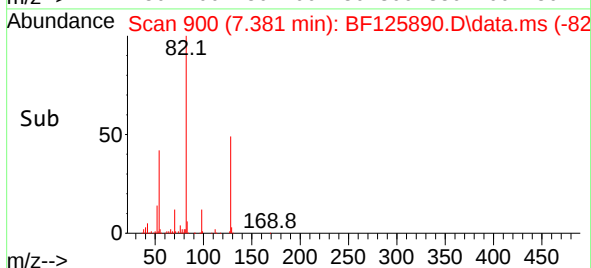
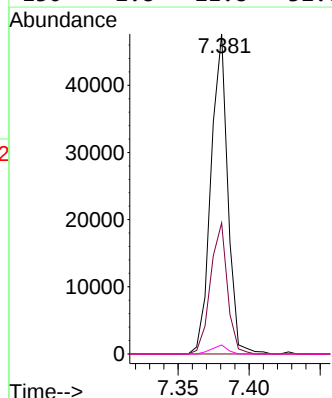
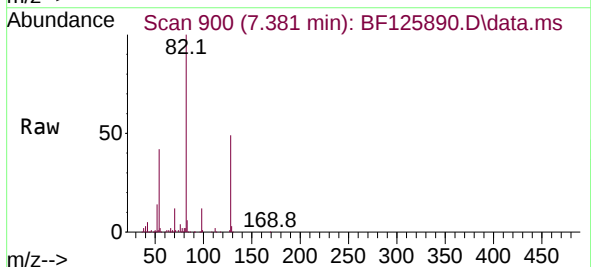
Instrument :
BNA_F
ClientSampled :
TP2-(S)

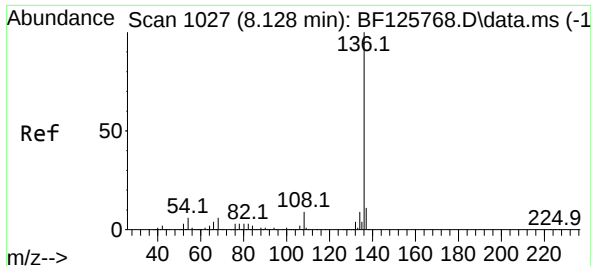
Tgt Ion: 99 Resp: 578052
Ion Ratio Lower Upper
99 100
42 13.9 23.5 35.3#
71 28.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.292 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion: 70 Resp: 39244
Ion Ratio Lower Upper
70 100
42 40.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.8 21.8 32.6#

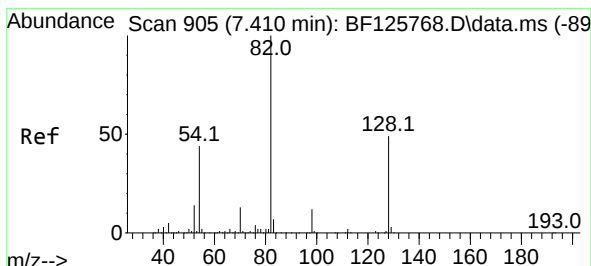
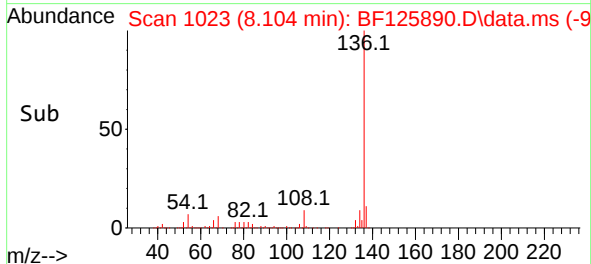
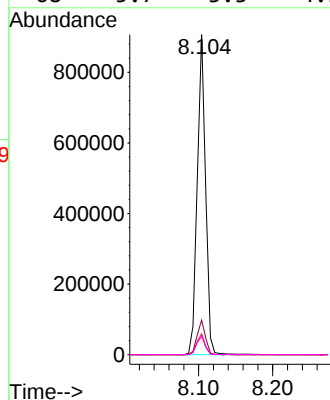
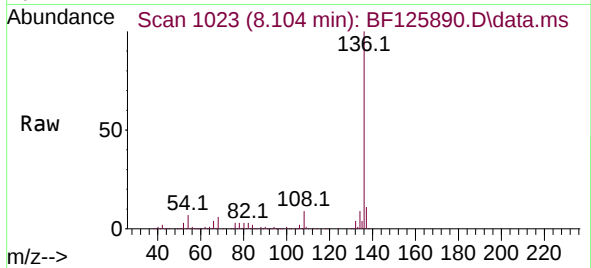




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

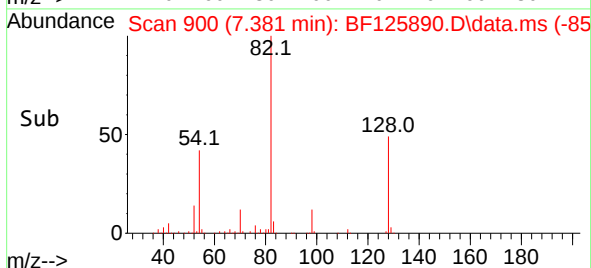
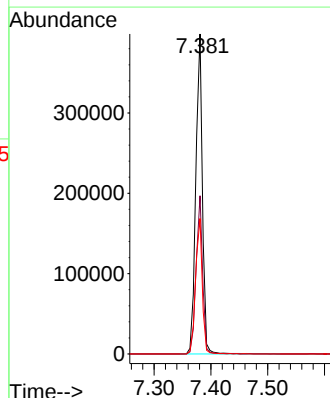
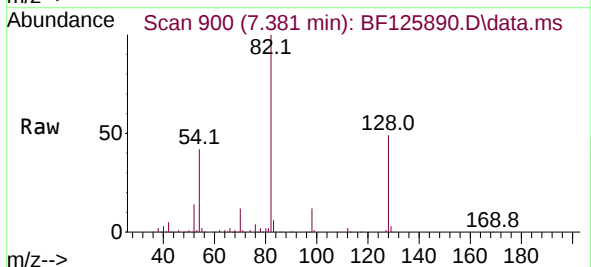
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

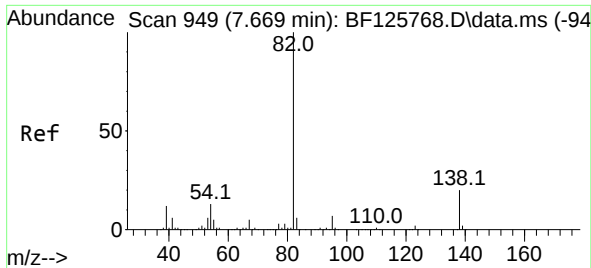
Tgt Ion:136	Resp: 704632
Ion Ratio	Lower Upper
136 100	
137 10.8	9.8 14.6
54 6.5	6.4 9.6
68 5.7	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 28.624 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion: 82	Resp: 324479
Ion Ratio	Lower Upper
82 100	
128 49.5	40.6 60.8
54 42.4	49.6 74.4#

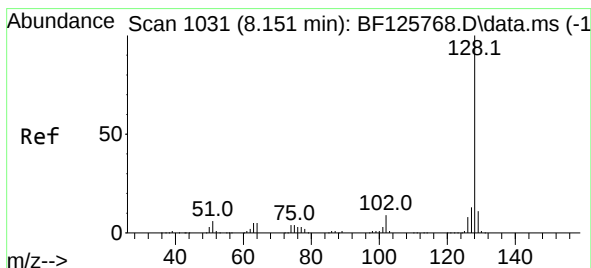
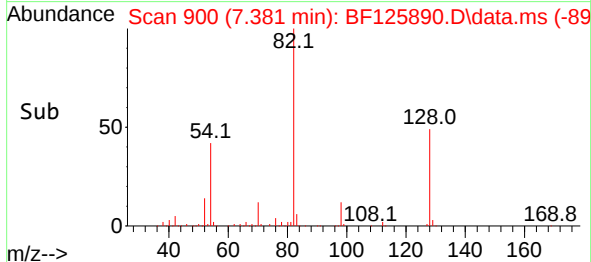
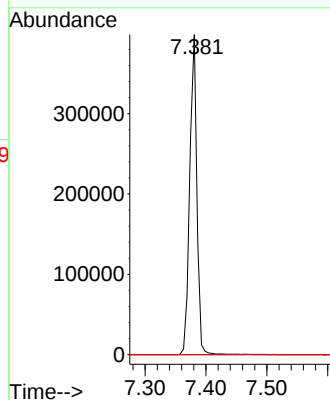
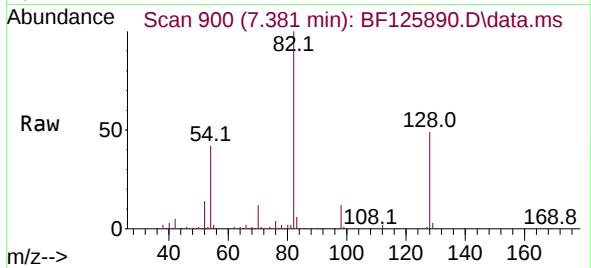




#25
Isophorone
Concen: 16.153 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

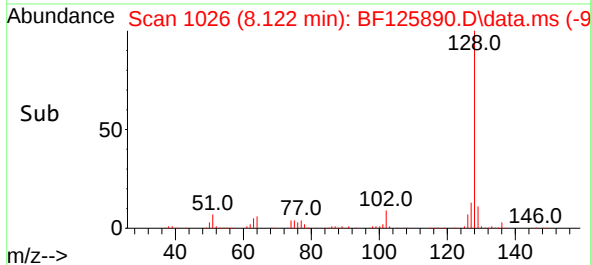
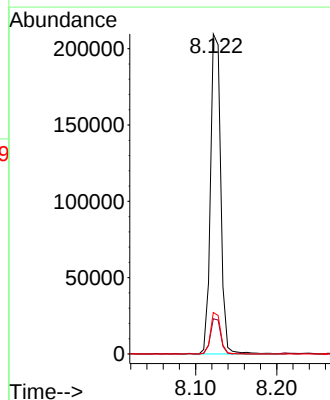
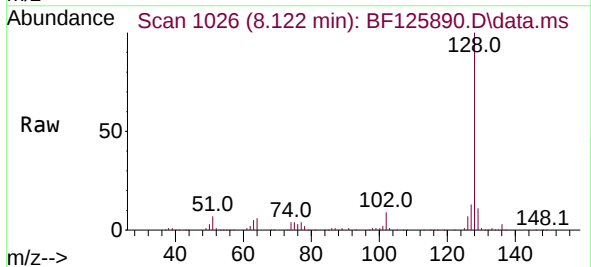
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

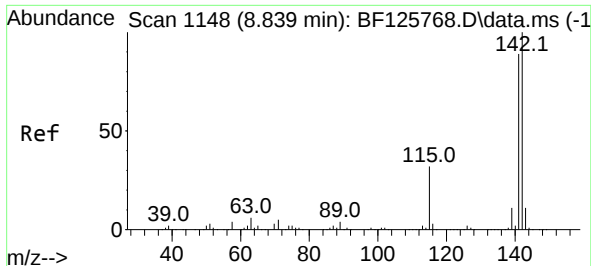
Tgt Ion: 82 Resp: 324395
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 5.365 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion: 128 Resp: 182767
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.0
127 13.0 10.9 16.3





#37

2-Methylnaphthalene

Concen: 5.885 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF125890.D

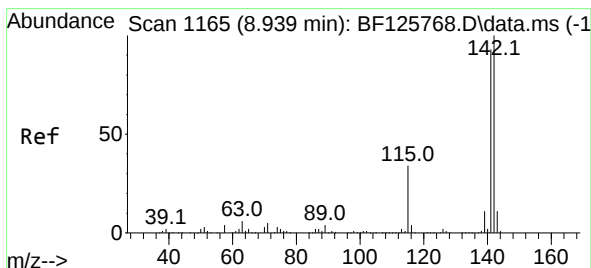
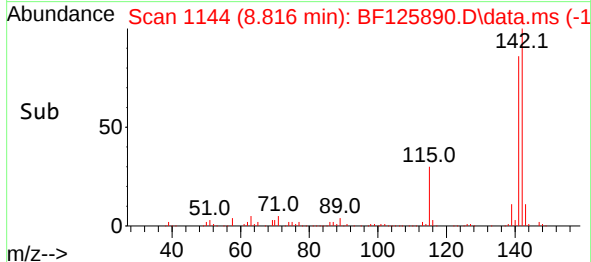
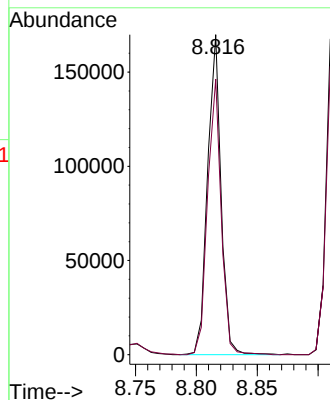
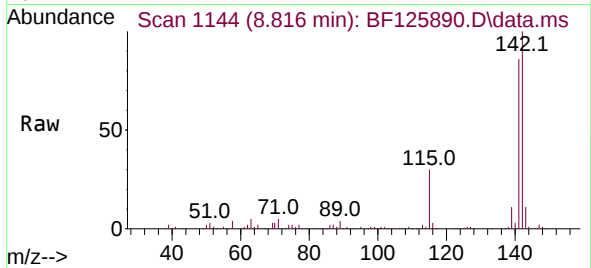
Acq: 18 Oct 2021 22:01

Tgt Ion:142 Resp: 129845

Ion Ratio Lower Upper

142 100

141 86.2 71.2 106.8



#38

1-Methylnaphthalene

Concen: 7.842 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF125890.D

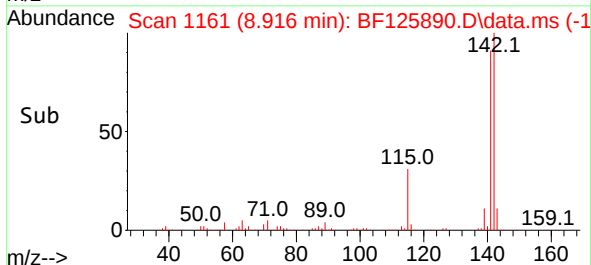
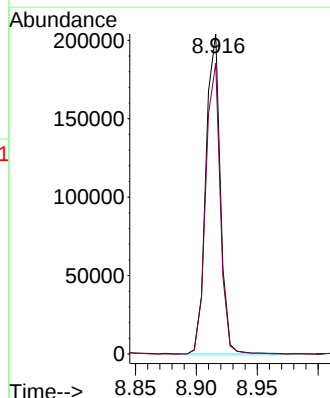
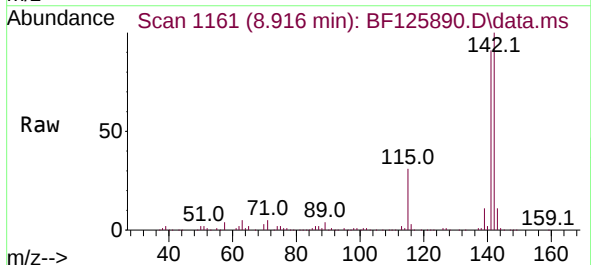
Acq: 18 Oct 2021 22:01

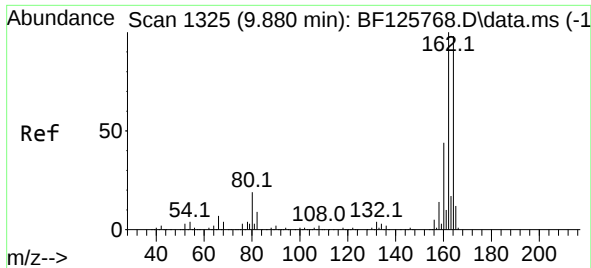
Tgt Ion:142 Resp: 167903

Ion Ratio Lower Upper

142 100

141 90.8 76.0 114.0

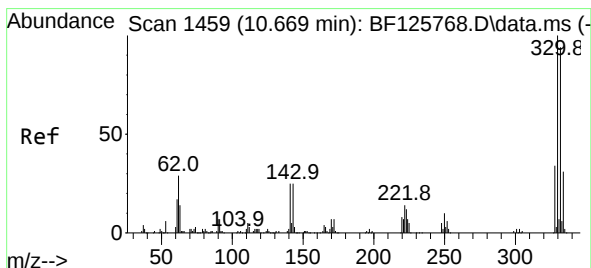
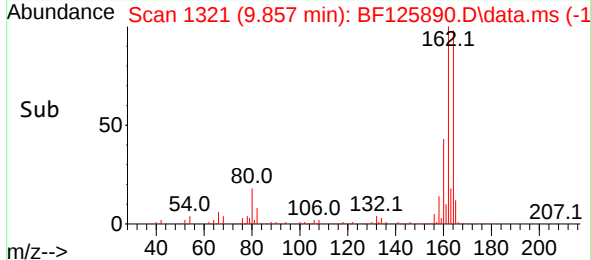
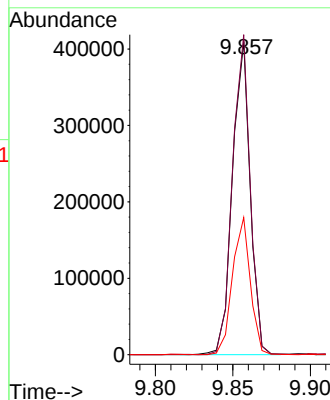
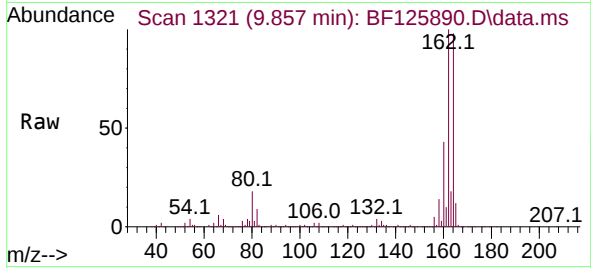




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

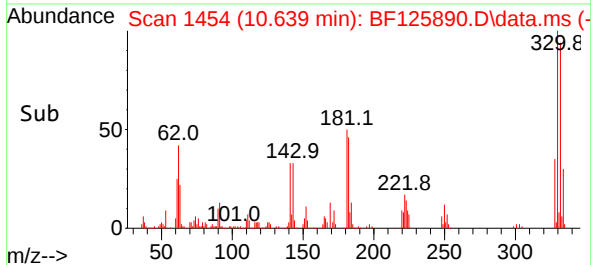
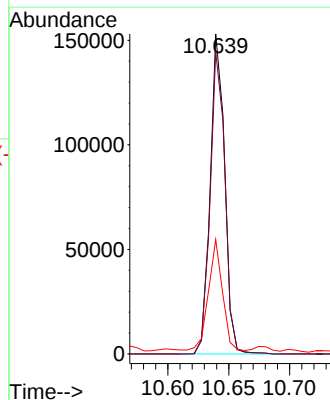
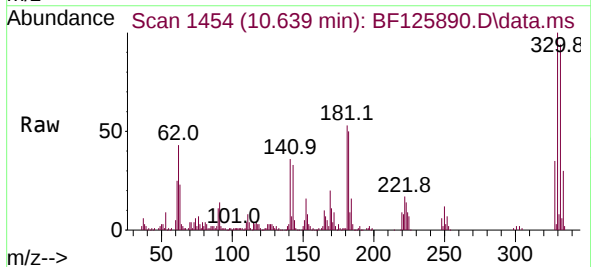
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

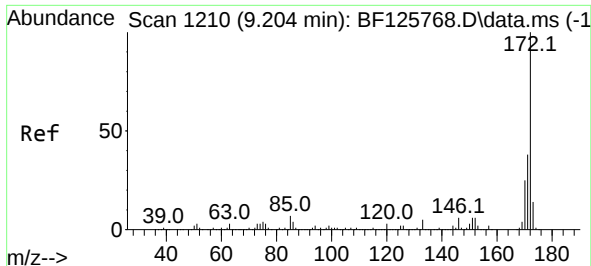
Tgt Ion:164 Resp: 326059
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 43.8 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 39.243 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:330 Resp: 126330
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 34.1 44.6 66.8#

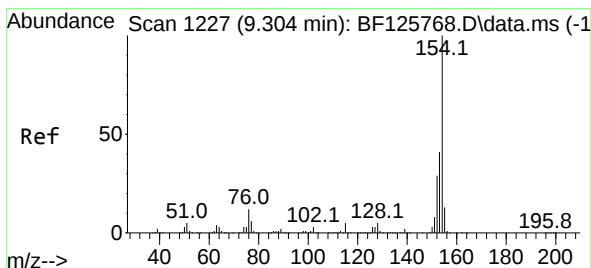
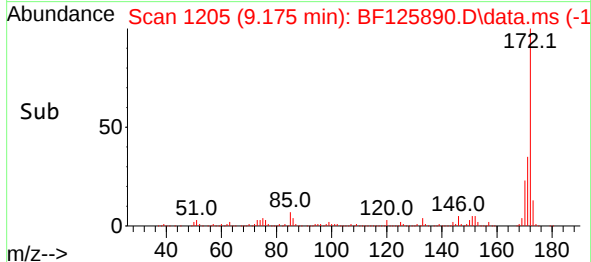
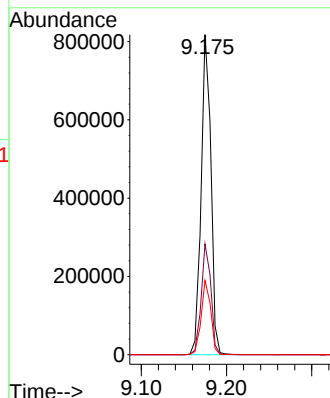
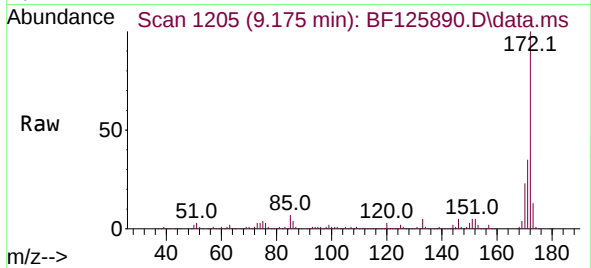




#45
2-Fluorobiphenyl
Concen: 34.402 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

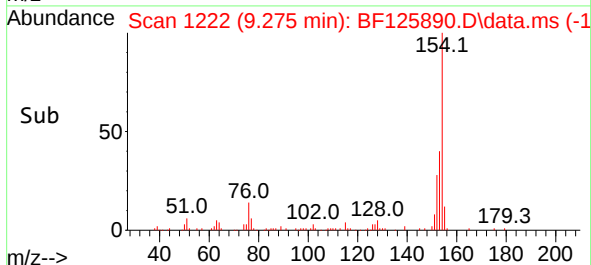
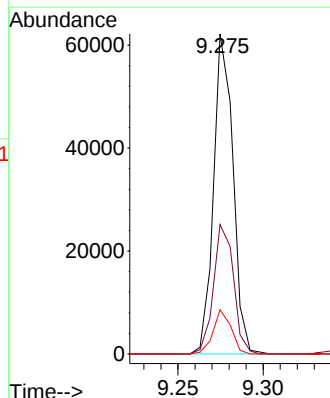
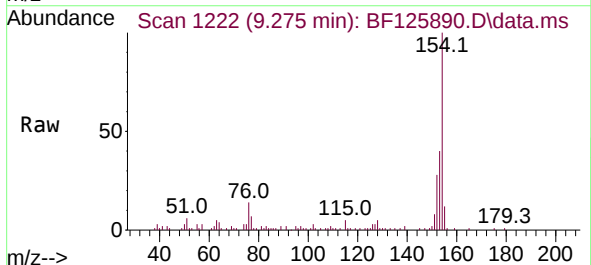
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

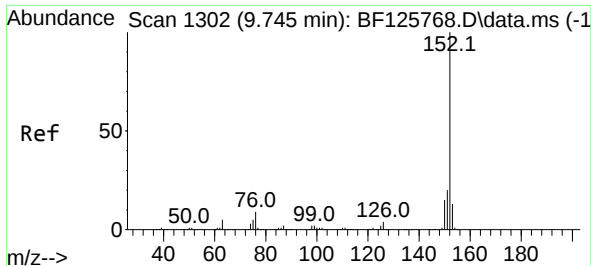
Tgt Ion:172 Resp: 650337
Ion Ratio Lower Upper
172 100
171 34.6 26.5 39.7
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 2.051 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:154 Resp: 49162
Ion Ratio Lower Upper
154 100
153 40.4 20.0 60.0
76 13.8 0.0 30.3





#49

Acenaphthylene

Concen: 9.152 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF125890.D

Acq: 18 Oct 2021 22:01

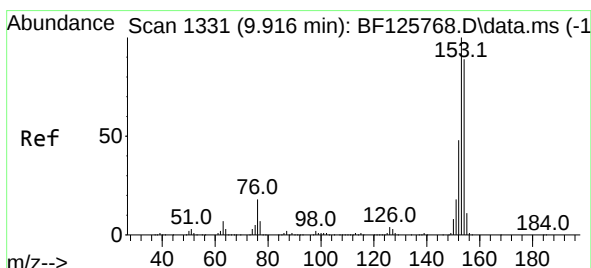
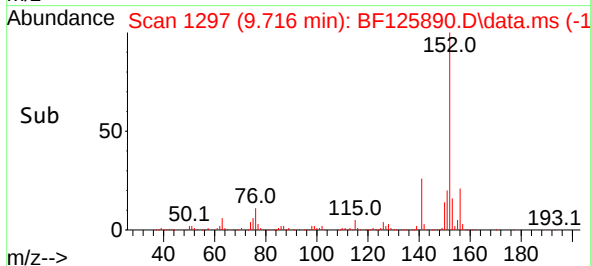
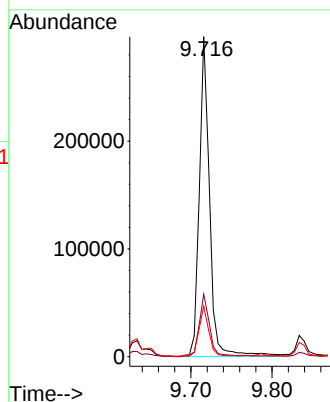
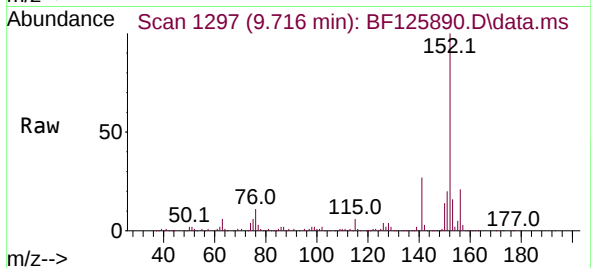
Instrument :

BNA_F

ClientSampleId :

TP2-(S)

Tgt Ion:	152	Resp:	260868
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	15.8	9.8	14.8#



#52

Acenaphthene

Concen: 8.451 ng

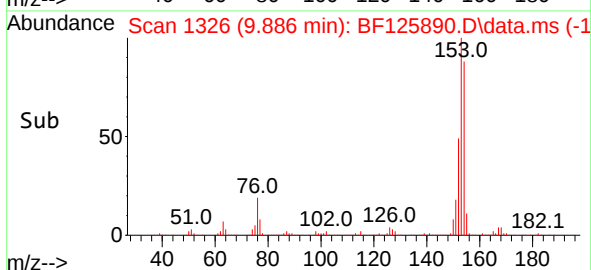
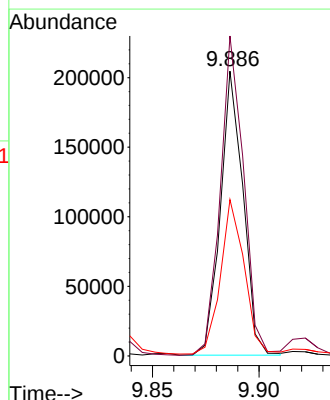
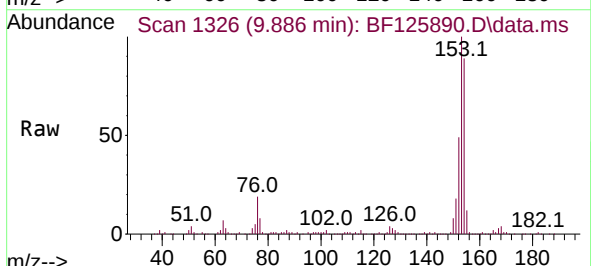
RT: 9.886 min Scan# 1326

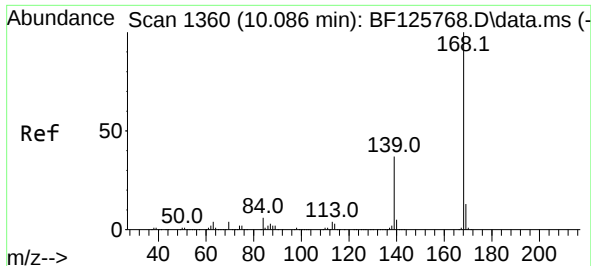
Delta R.T. -0.006 min

Lab File: BF125890.D

Acq: 18 Oct 2021 22:01

Tgt Ion:	154	Resp:	150496
Ion Ratio	Lower	Upper	
154	100		
153	112.4	89.4	134.2
152	54.9	40.5	60.7

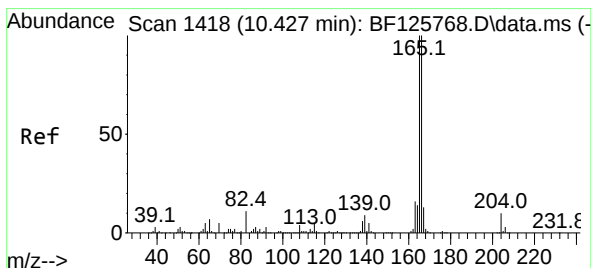
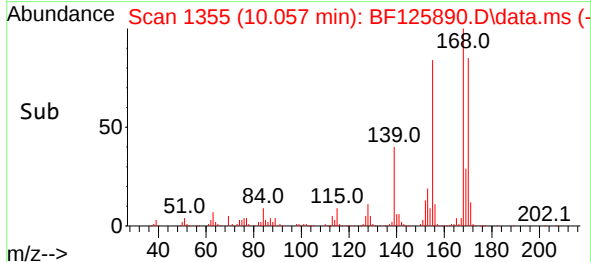
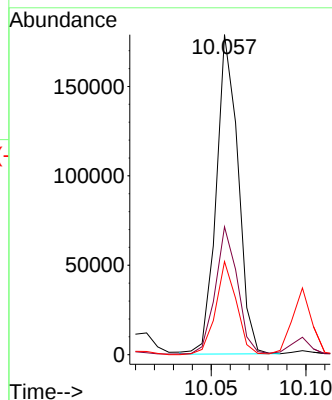
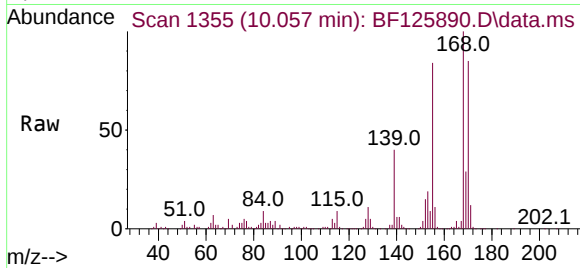




#55
Dibenzenofuran
Concen: 5.356 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

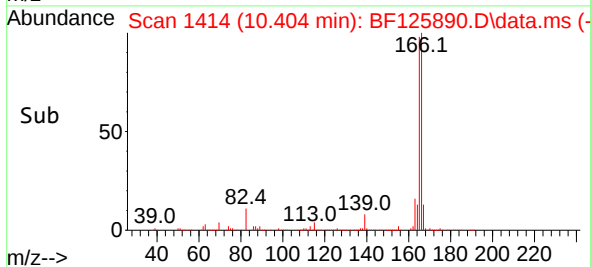
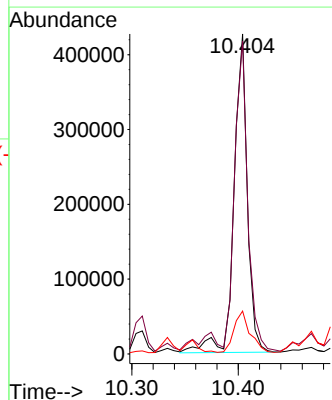
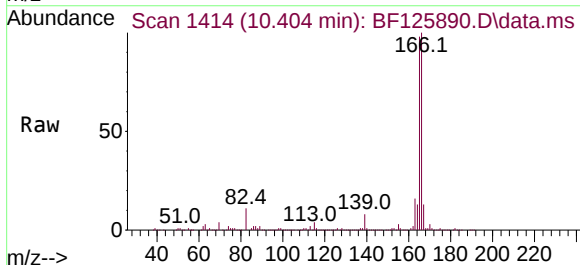
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

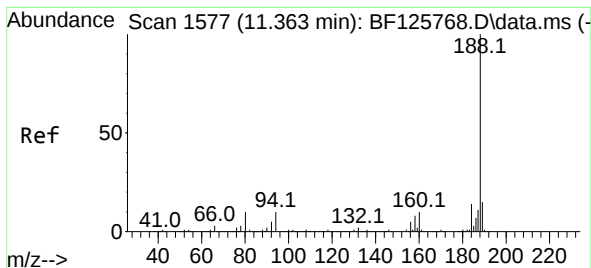
Tgt Ion:168 Resp: 142891
Ion Ratio Lower Upper
168 100
139 39.9 32.7 49.1
169 29.1 11.2 16.8#



#58
Fluorene
Concen: 18.985 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:166 Resp: 370954
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.4 11.1 16.7

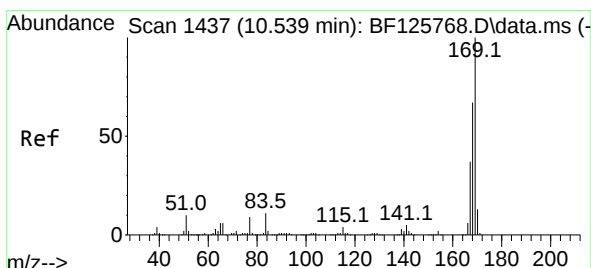
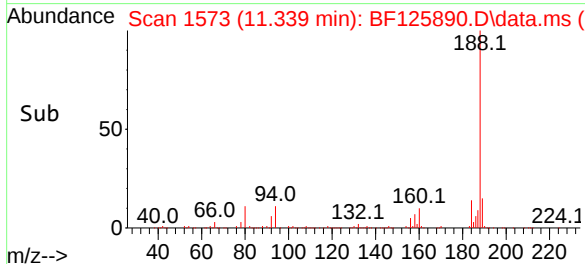
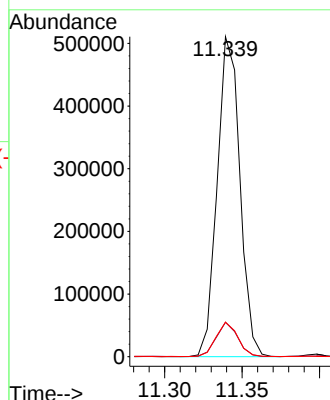
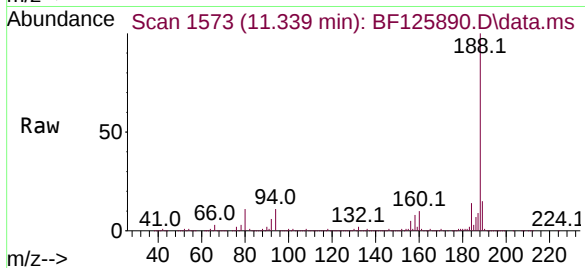




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

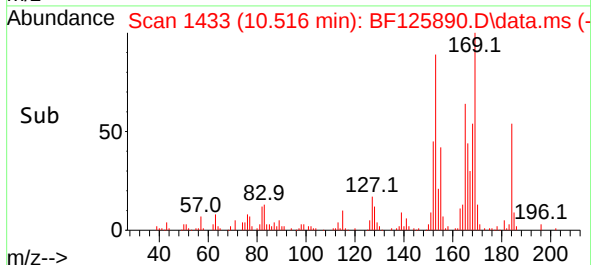
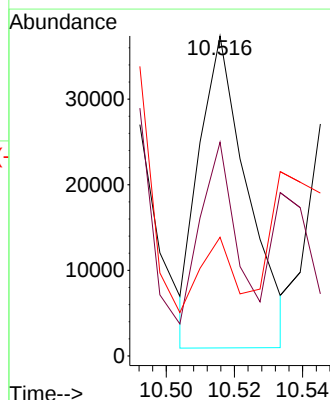
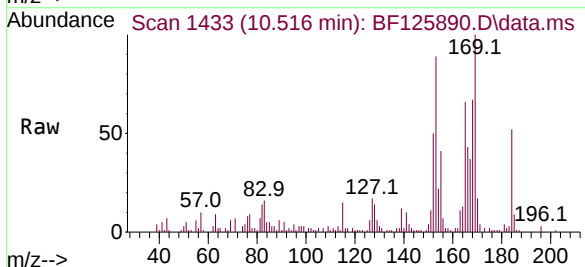
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

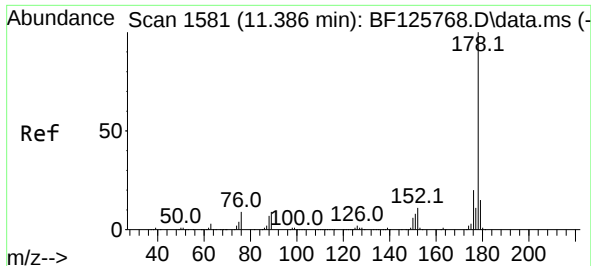
Tgt Ion:188 Resp: 519896
Ion Ratio Lower Upper
188 100
94 10.7 6.7 10.1#
80 10.8 7.5 11.3



#66
n-Nitrosodiphenylamine
Concen: 2.015 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:169 Resp: 35745
Ion Ratio Lower Upper
169 100
168 66.8 50.8 76.2
167 37.1 28.8 43.2

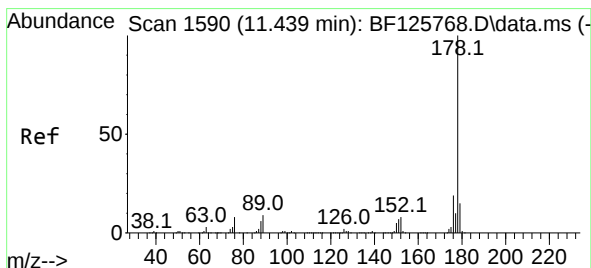
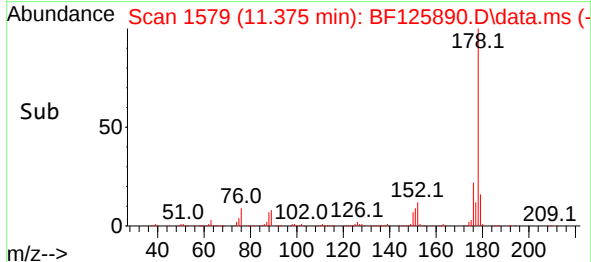
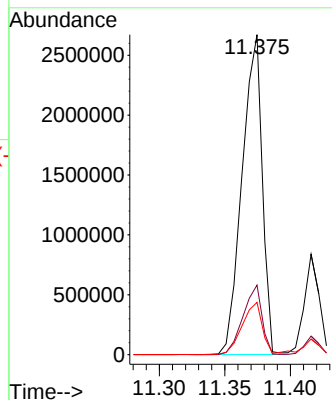
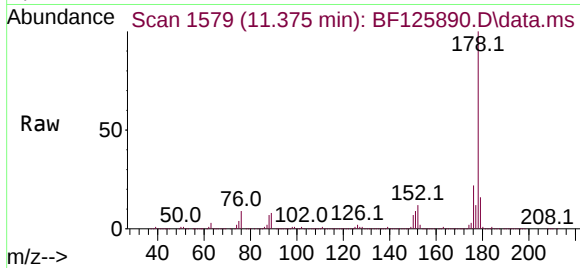




#71
Phenanthrene
Concen: 102.478 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

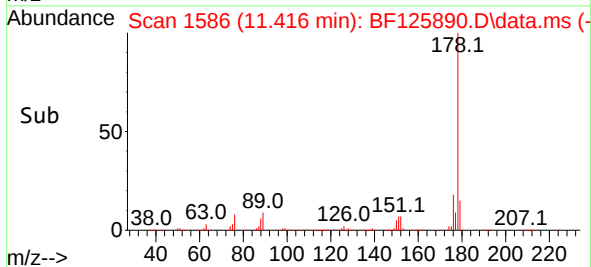
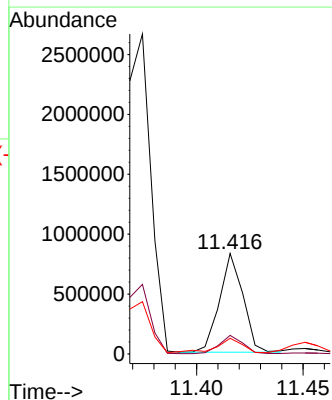
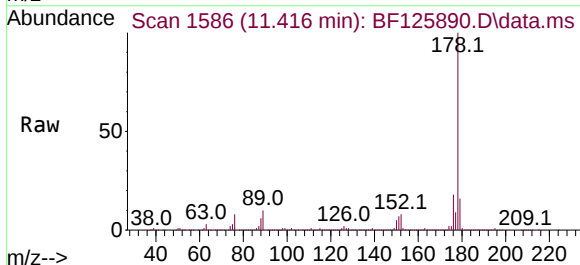
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

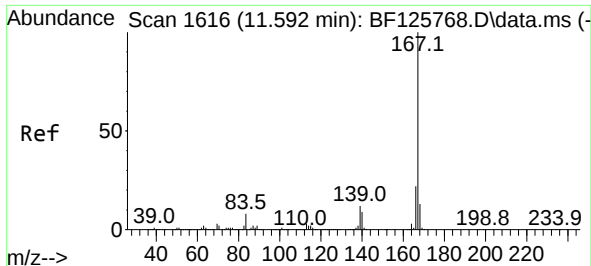
Tgt Ion:178 Resp: 2850603
Ion Ratio Lower Upper
178 100
176 21.7 14.7 22.1
179 16.3 11.5 17.3



#72
Anthracene
Concen: 22.859 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:178 Resp: 635071
Ion Ratio Lower Upper
178 100
176 18.4 14.3 21.5
179 15.5 12.2 18.4

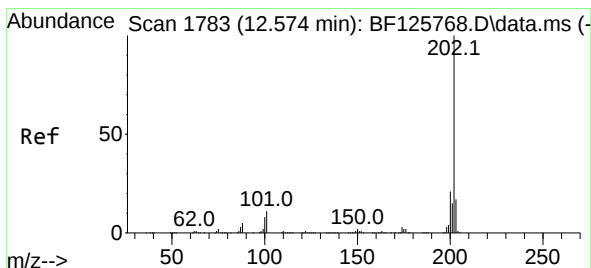
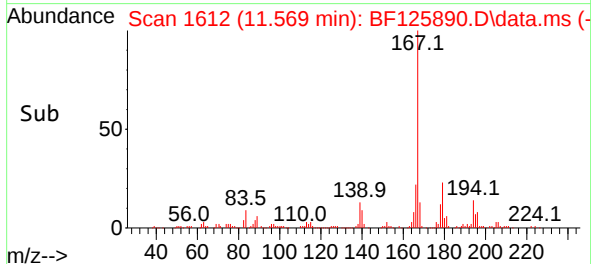
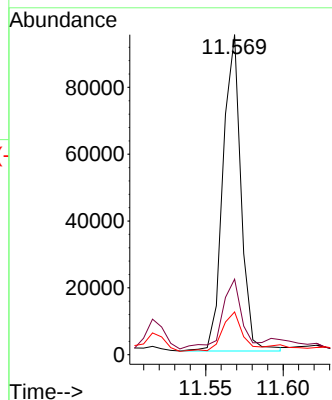
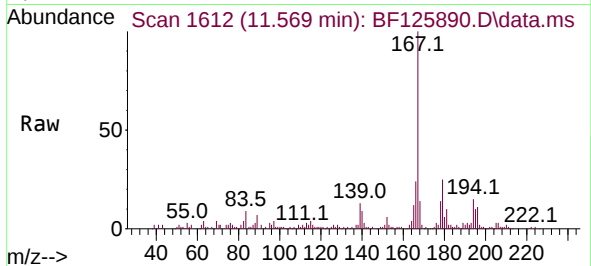




#73
 Carbazole
 Concen: 2.960 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF125890.D
 Acq: 18 Oct 2021 22:01

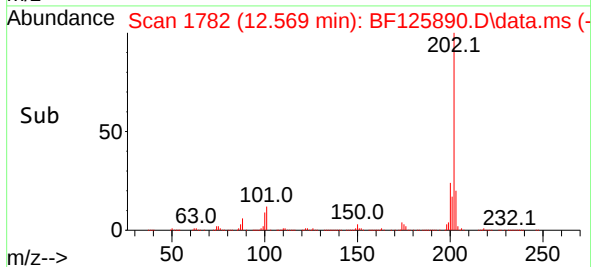
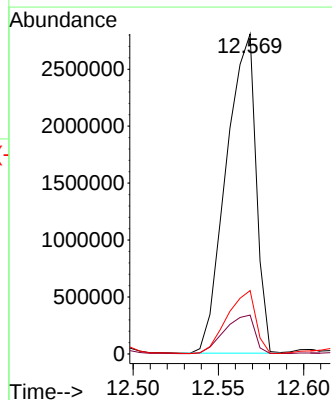
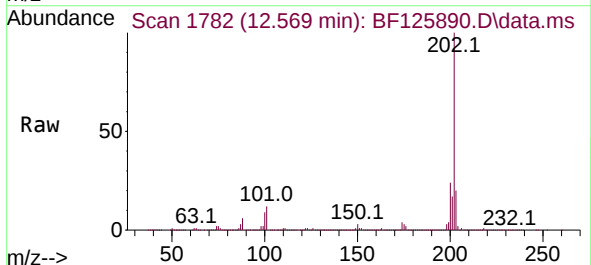
Instrument :
 BNA_F
 ClientSampleId :
 TP2-(S)

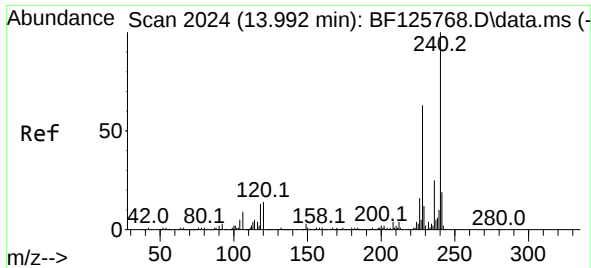
Tgt Ion:	167	Resp:	76543
Ion Ratio	Lower	Upper	
167	100		
166	23.6	17.4	26.0
139	13.4	11.0	16.4



#75
 Fluoranthene
 Concen: 135.917 ng
 RT: 12.569 min Scan# 1782
 Delta R.T. 0.018 min
 Lab File: BF125890.D
 Acq: 18 Oct 2021 22:01

Tgt Ion:	202	Resp:	3411468
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	30.7
203	19.8	0.0	36.3

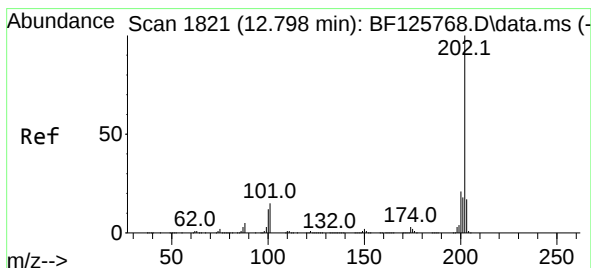
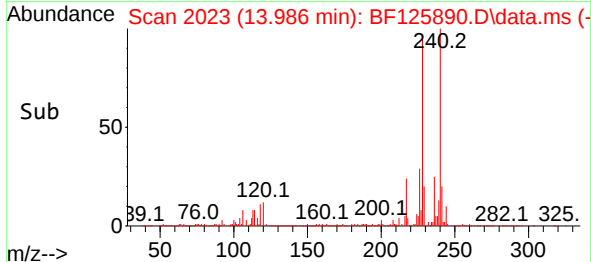
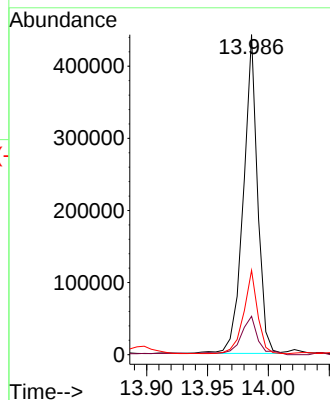
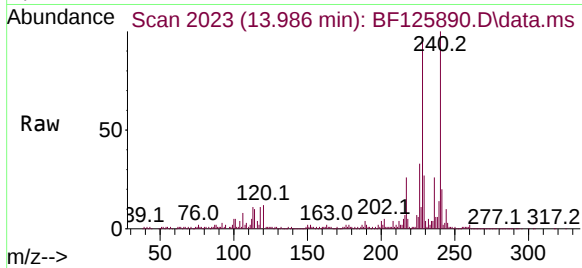




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

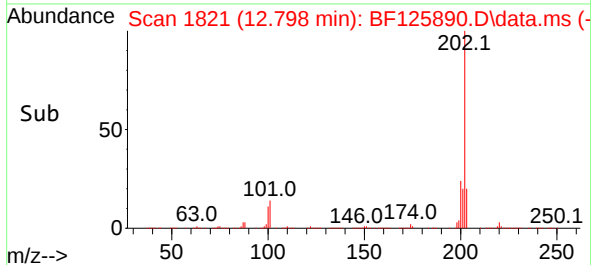
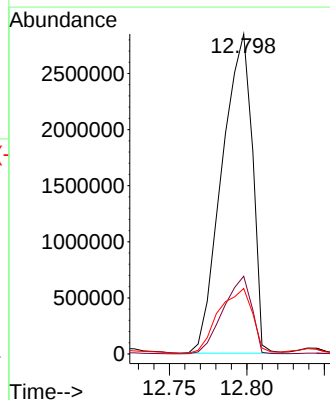
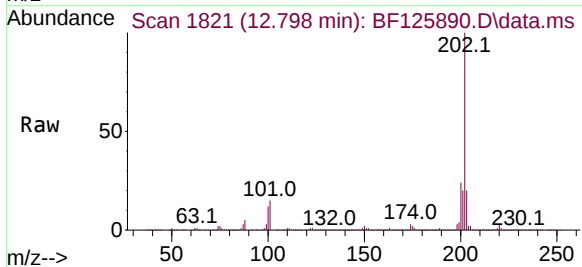
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

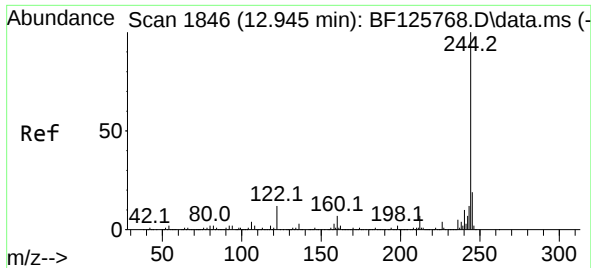
Tgt Ion:	240	Resp:	358430
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.8	16.2
236	26.3	21.6	32.4



#78
Pyrene
Concen: 106.286 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.018 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:	202	Resp:	3870293
Ion Ratio	Lower	Upper	
202	100		
200	24.3	15.3	22.9#
203	20.4	13.4	20.0#

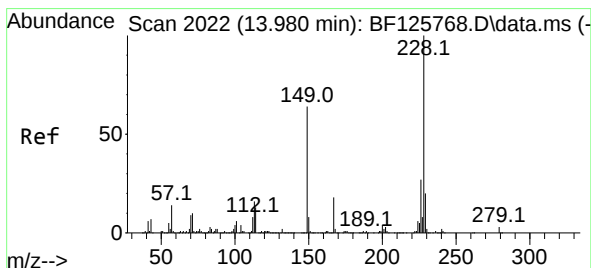
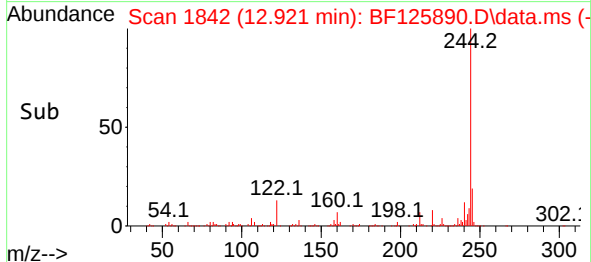
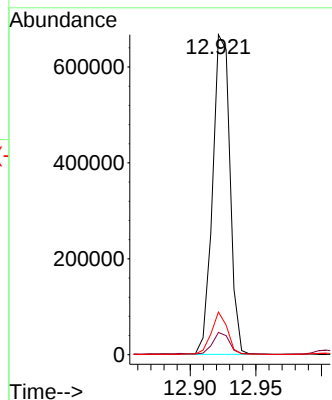
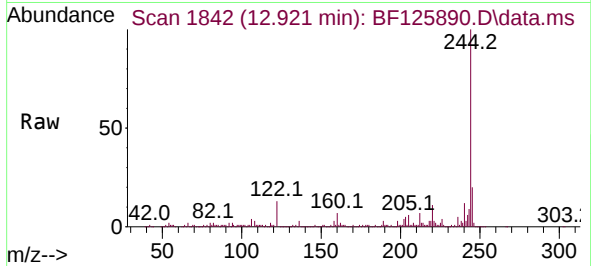




#79
Terphenyl-d14
Concen: 26.060 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

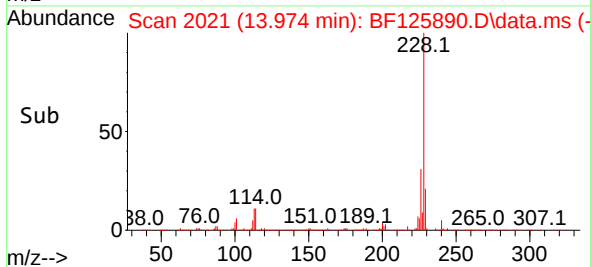
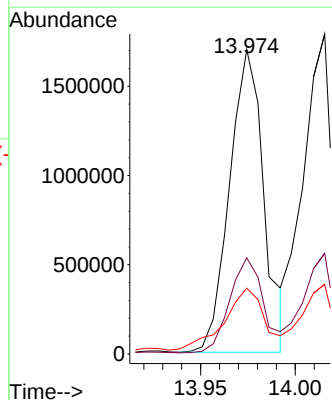
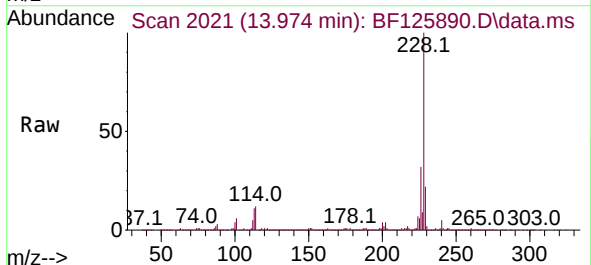
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

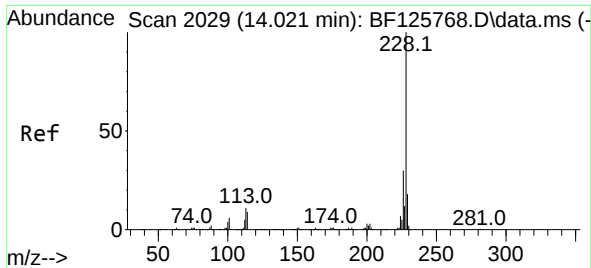
Tgt Ion:244 Resp: 613200
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 13.4 9.0 13.4



#81
Benzo(a)anthracene
Concen: 91.782 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:228 Resp: 2134347
Ion Ratio Lower Upper
228 100
226 31.6 21.6 32.4
229 21.6 15.6 23.4



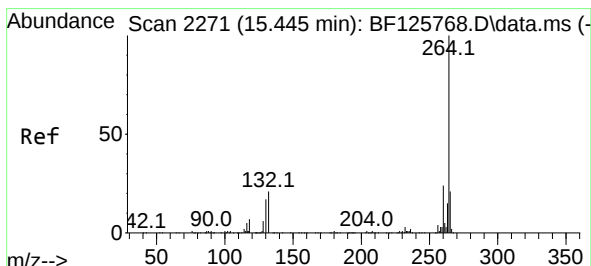
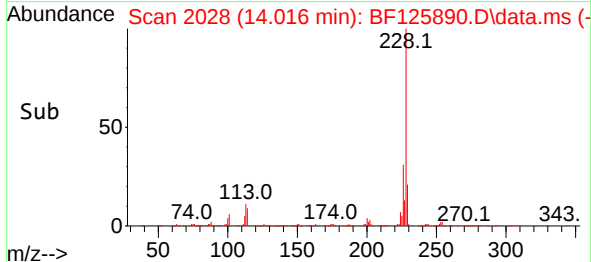
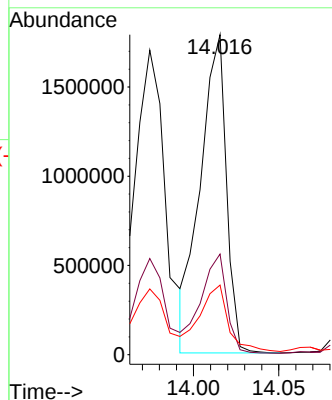
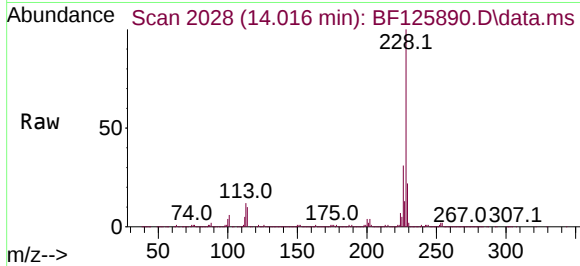


#83
Chrysene
Concen: 82.330 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Tgt Ion:228 Resp: 1892370

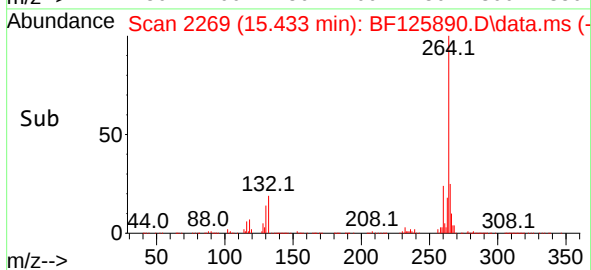
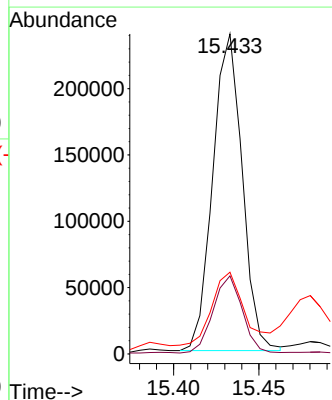
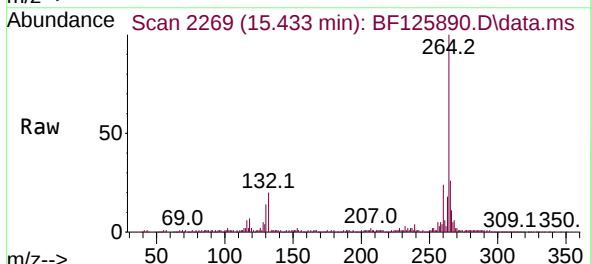
Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	34.0
229	21.8	15.9	23.9

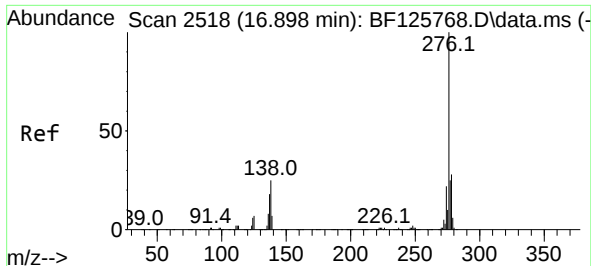


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:264 Resp: 286338

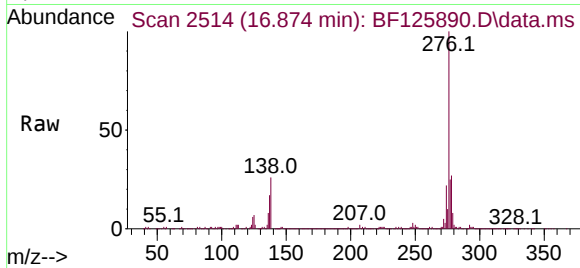
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	25.6	17.2	25.8



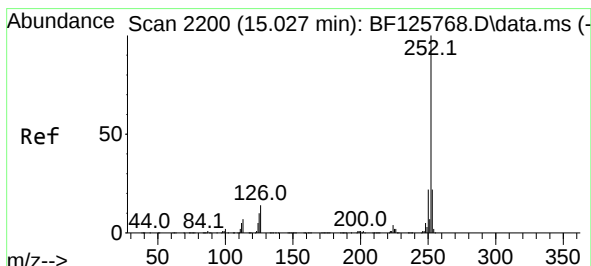
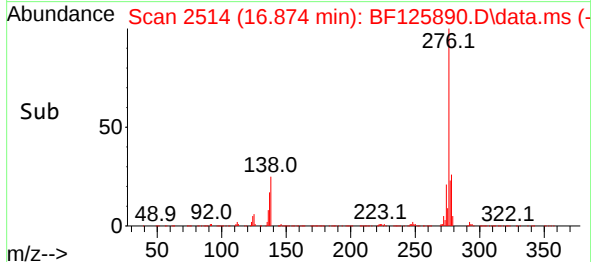
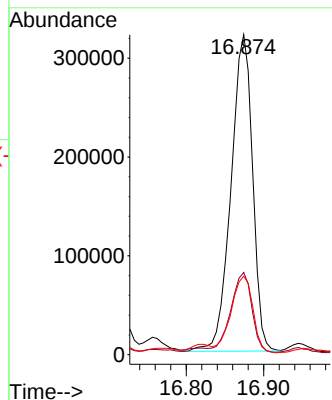


#87
Indeno(1,2,3-cd)pyrene
Concen: 28.426 ng
RT: 16.874 min Scan# 2514
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

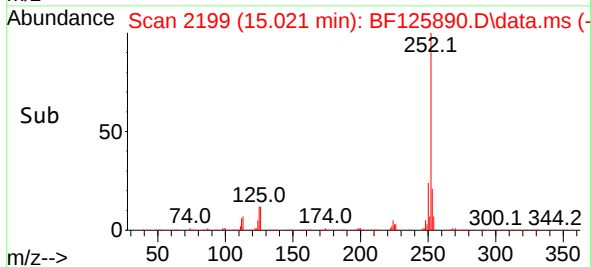
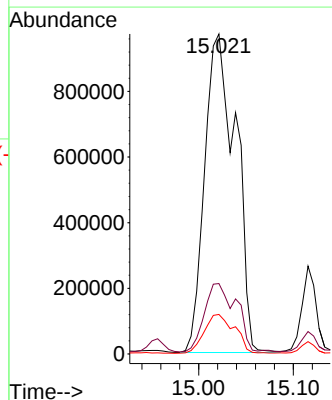
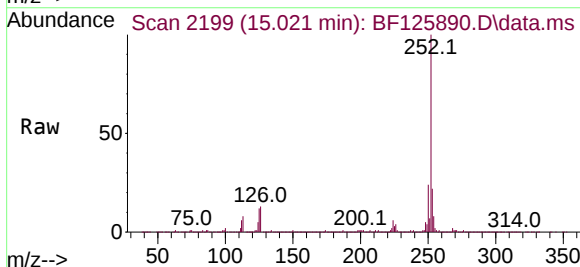


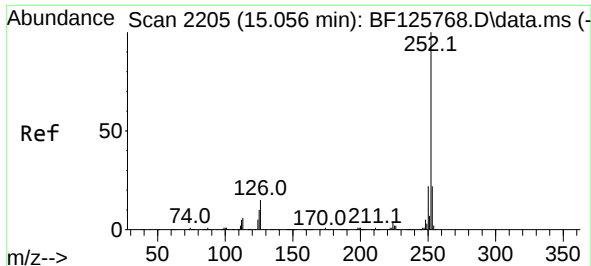
Tgt Ion:276 Resp: 621232
Ion Ratio Lower Upper
276 100
138 25.6 24.1 36.1
277 24.6 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 137.183 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.018 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:252 Resp: 2217666
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 12.3 9.8 14.8

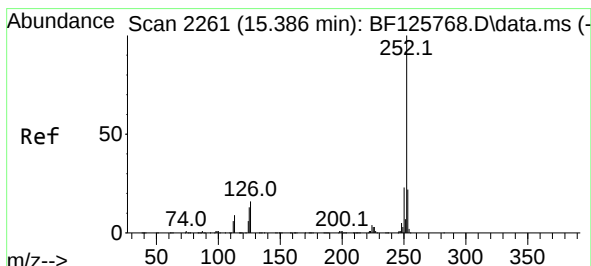
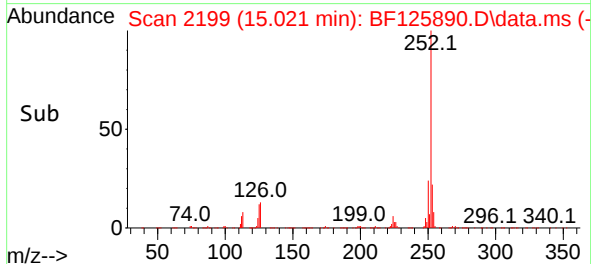
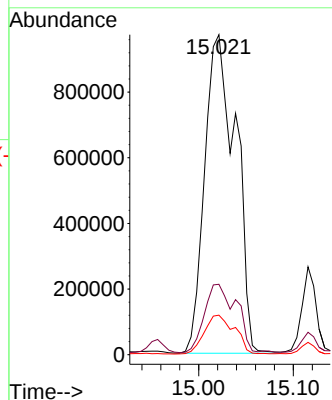
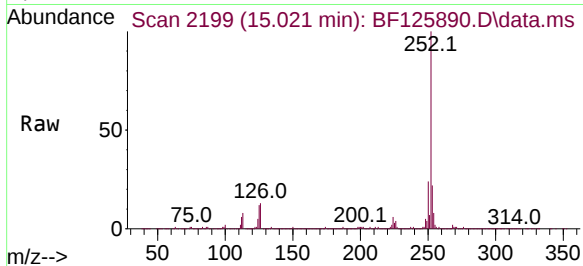




#89
Benzo(k)fluoranthene
Concen: 133.614 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

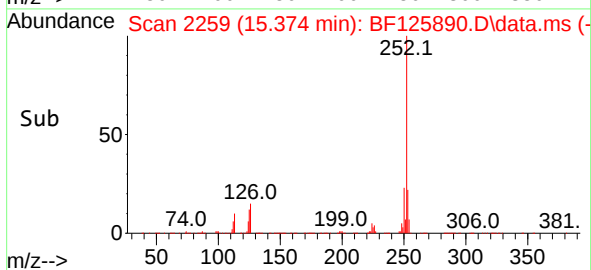
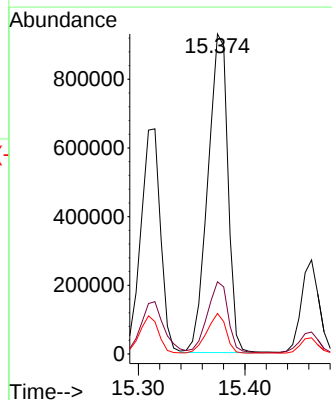
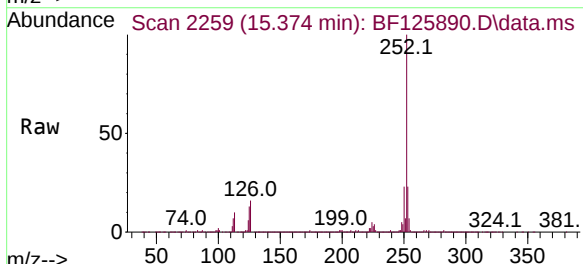
Instrument :
BNA_F
ClientSampleId :
TP2-(S)

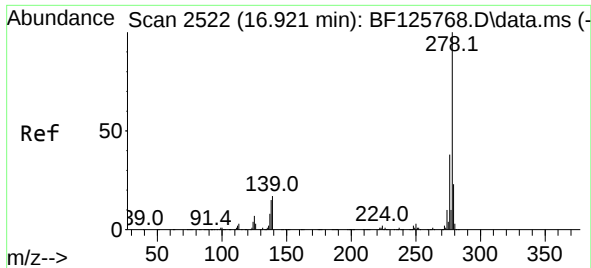
Tgt Ion:252 Resp: 2217666
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 12.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 85.105 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:252 Resp: 1218355
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 12.7 9.9 14.9

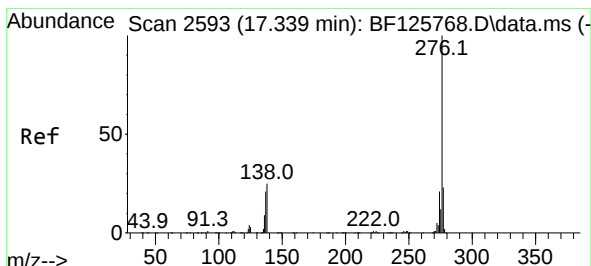
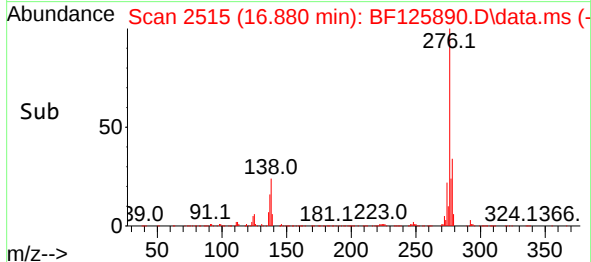
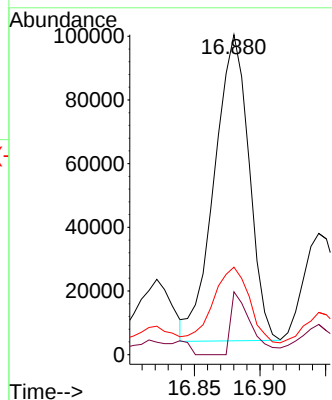
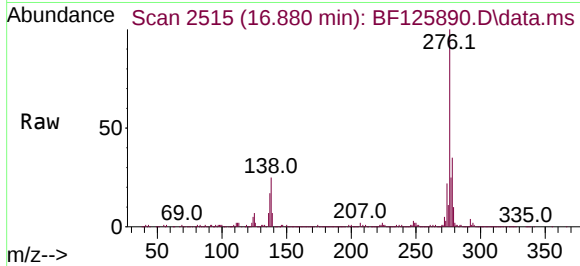




#91
Dibenzo(a,h)anthracene
Concen: 9.807 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Instrument :
BNA_F
ClientSampleId :
TP2-(S)

Tgt Ion:278 Resp: 176801
Ion Ratio Lower Upper
278 100
139 19.6 14.9 22.3
279 27.4 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 32.788 ng
RT: 17.309 min Scan# 2588
Delta R.T. 0.012 min
Lab File: BF125890.D
Acq: 18 Oct 2021 22:01

Tgt Ion:276 Resp: 603630
Ion Ratio Lower Upper
276 100
277 23.7 22.0 33.0
138 24.5 22.2 33.4

