

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101122.D
 Acq On : 5 Dec 2017 14:15
 Operator : SJ/JU
 Sample : I6718-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 15:12:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

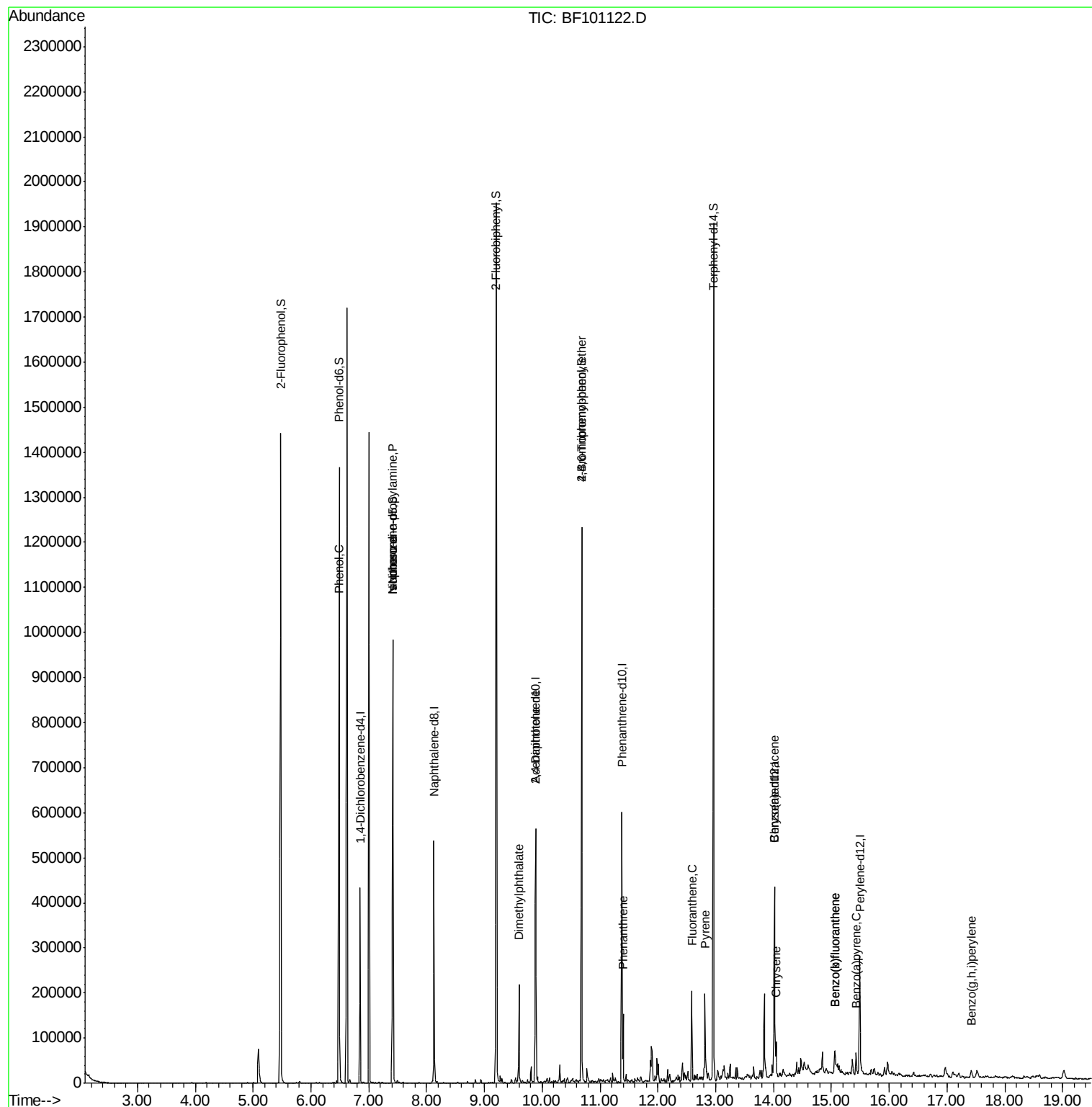
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	59246	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	229023	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	107375	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	204945	20.00	ng	0.00
75) Chrysene-d12	14.02	240	138274	20.00	ng	0.00
86) Perylene-d12	15.49	264	125143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	454012	126.63	ng	0.01
7) Phenol-d6	6.49	99	541451	124.39	ng	0.00
23) Nitrobenzene-d5	7.42	82	335751	87.45	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	155159	120.29	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	708432	90.27	ng	0.00
78) Terphenyl-d14	12.96	244	670228	106.02	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	12413	2.56	ng	97
19) n-Nitroso-di-n-propylamine	7.42	70	43740	14.92	ng	# 83
25) Isophorone	7.42	82	335746	51.20	ng	# 64
49) Dimethylphthalate	9.60	163	86426	9.98	ng	99
56) 2,4-Dinitrotoluene	9.89	165	13947	5.71	ng	# 23
66) 4-Bromophenyl-phenylether	10.68	248	9533	4.16	ng	# 1
70) Phenanthrene	11.40	178	52310	4.63	ng	96
74) Fluoranthene	12.59	202	72622	5.80	ng	95
77) Pyrene	12.82	202	81689	8.56	ng	99
80) Benzo(a)anthracene	14.01	228	31849	3.65	ng	98
82) Chrysene	14.04	228	34358	4.24	ng	96
87) Benzo(b)fluoranthene	15.06	252	36476	4.87	ng	# 92
88) Benzo(k)fluoranthene	15.06	252	36476	4.94	ng	95
89) Benzo(a)pyrene	15.43	252	21782	3.20	ng	98
91) Benzo(a,h,i)perylene	17.42	276	14173	2.50	ng	96

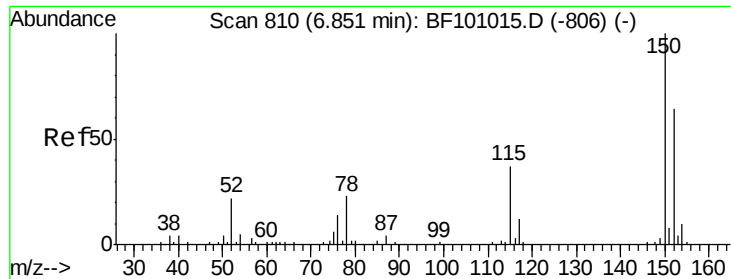
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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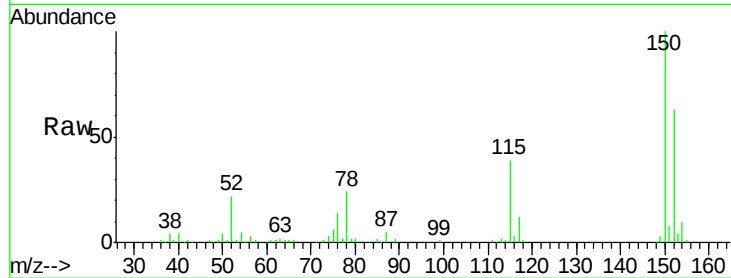


#1

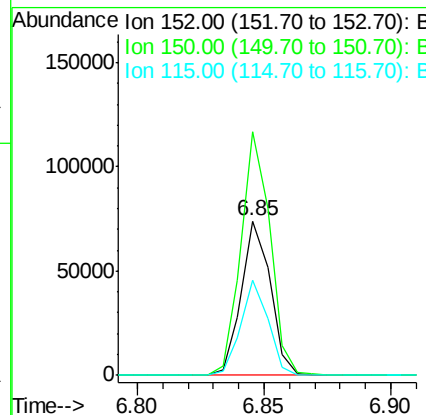
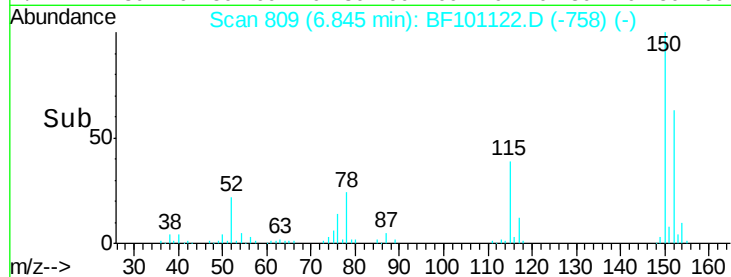
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 59246
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 61.9 50.1 75.1



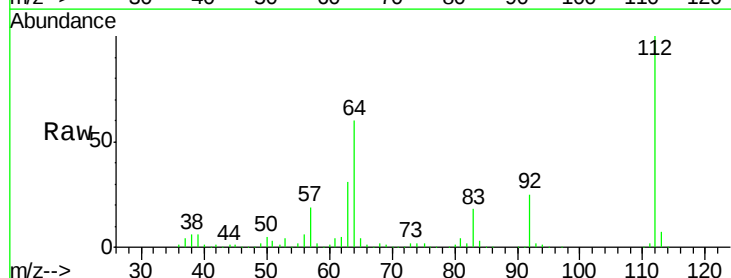
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



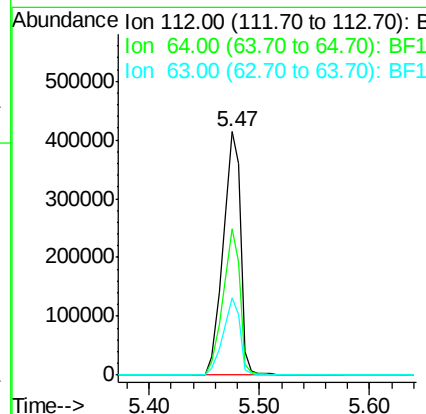
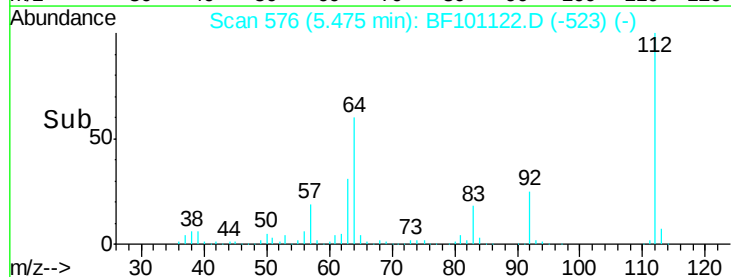
#5

2-Fluorophenol
Concen: 126.63 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:112 Resp: 454012
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 31.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 124.39 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

Instrument :

BNA_F

ClientSampleId :

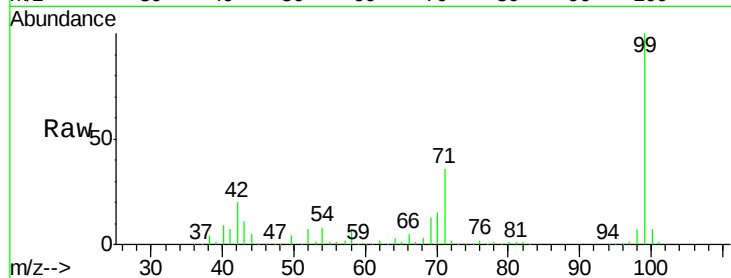
Tot Ion: 99 Resp: 541451

Ion Ratio Lower Upper

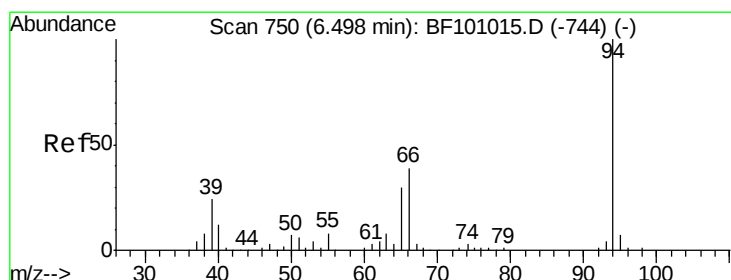
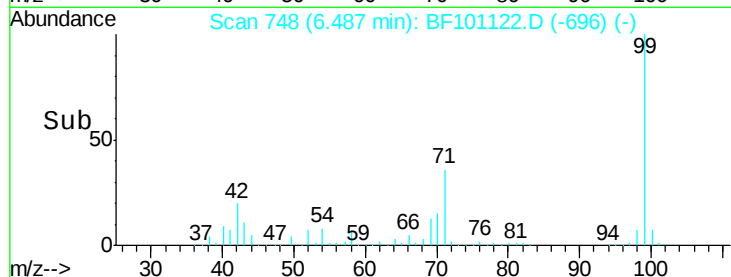
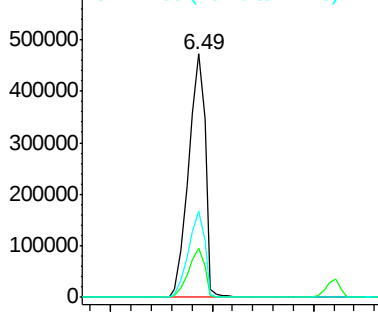
99 100

42 20.1 14.5 21.7

71 35.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.56 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

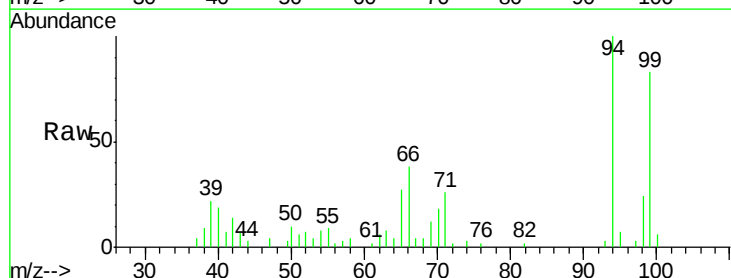
Tgt Ion: 94 Resp: 12413

Ion Ratio Lower Upper

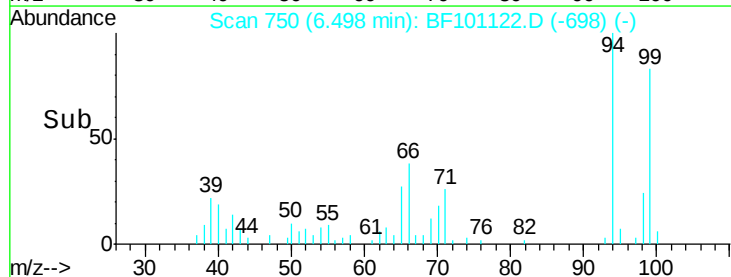
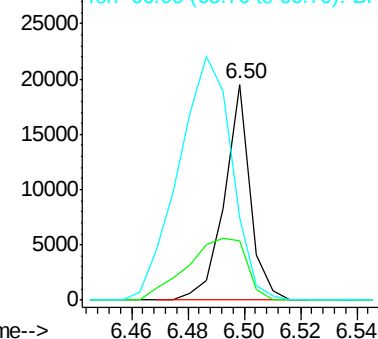
94 100

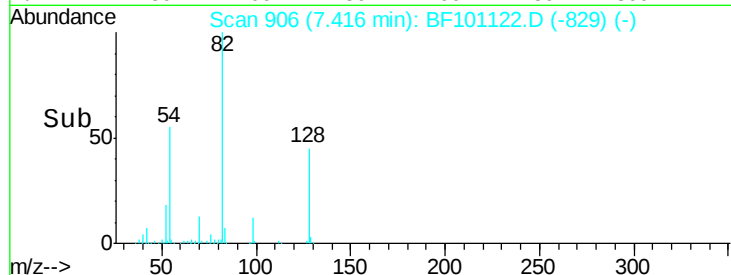
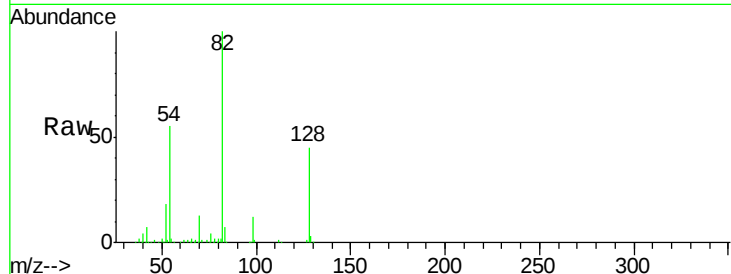
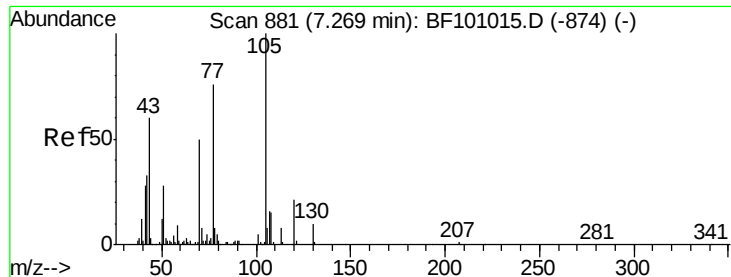
65 27.3 7.9 47.9

66 38.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

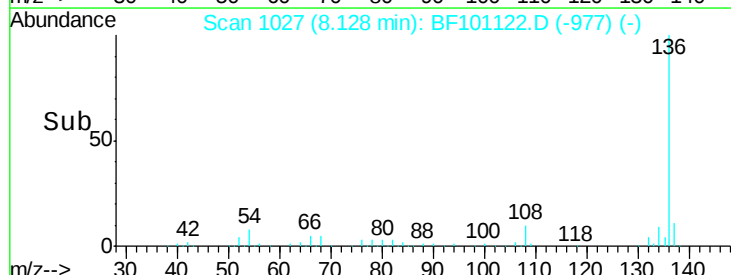
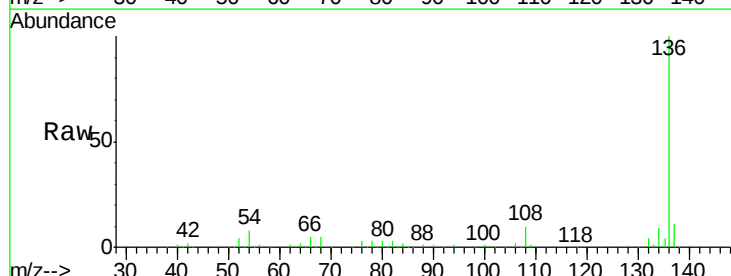
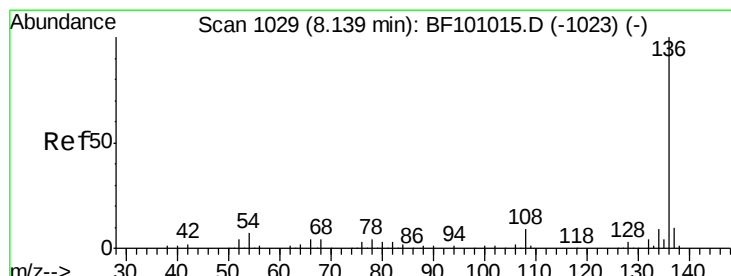
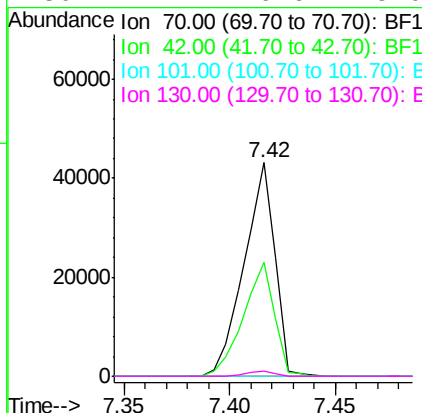




#19
n-Nitroso-di-n-propylamine
Concen: 14.92 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

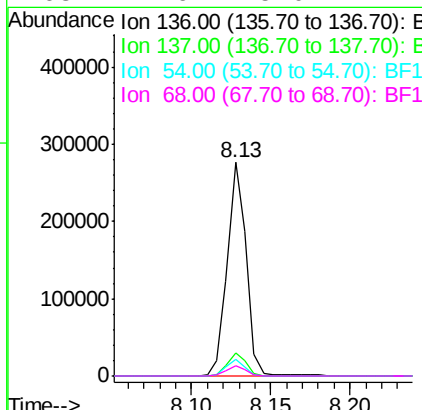
Instrument :
BNA_F
ClientSampleId :

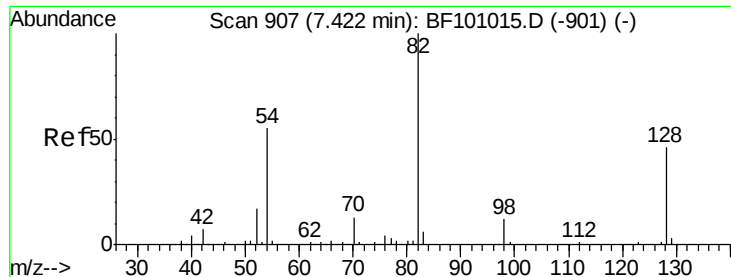
Tot Ion: 70 Resp: 43740
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion: 136 Resp: 229023
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.8 6.6 9.8
68 4.6 5.0 7.4#

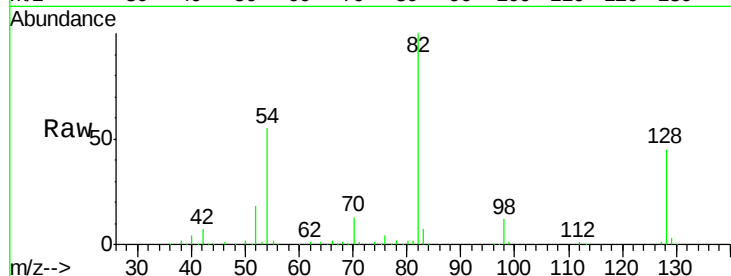




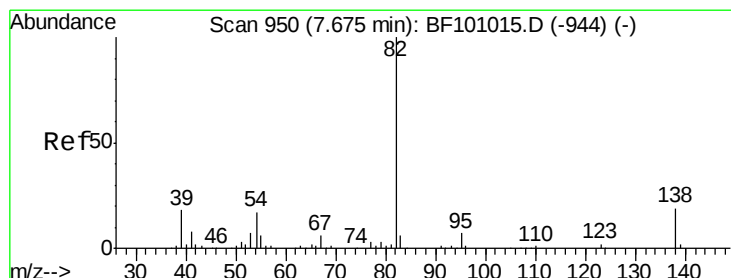
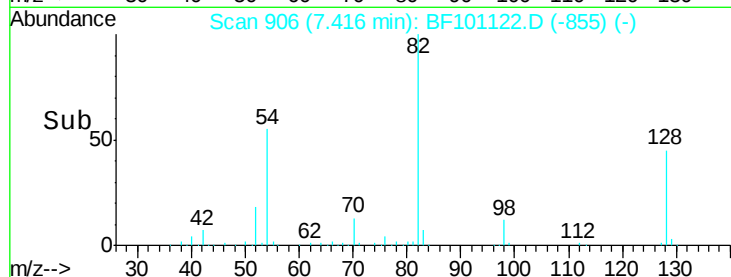
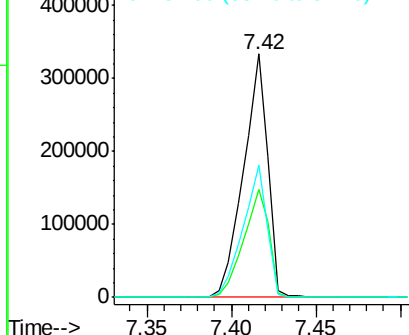
#23
Nitrobenzene-d5
Concen: 87.45 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 335751
Ion Ratio Lower Upper
82 100
128 44.6 36.1 54.1
54 54.5 41.4 62.2

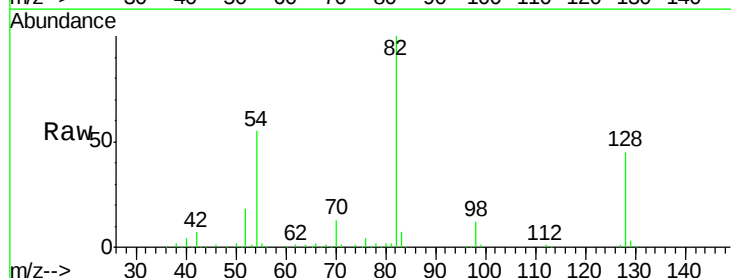


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

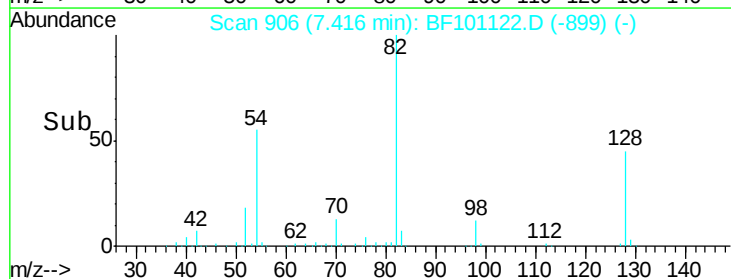
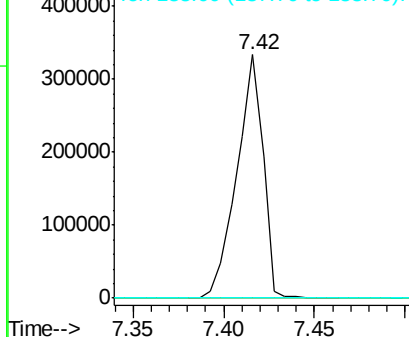


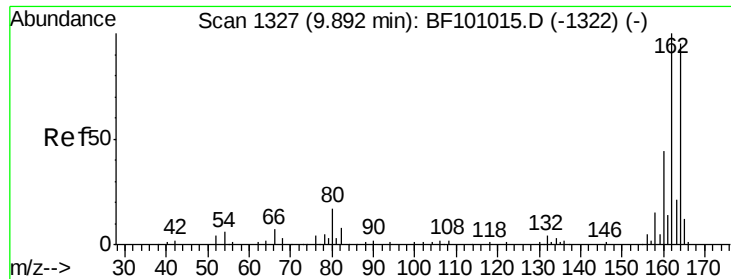
#25
Isophorone
Concen: 51.20 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion: 82 Resp: 335746
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

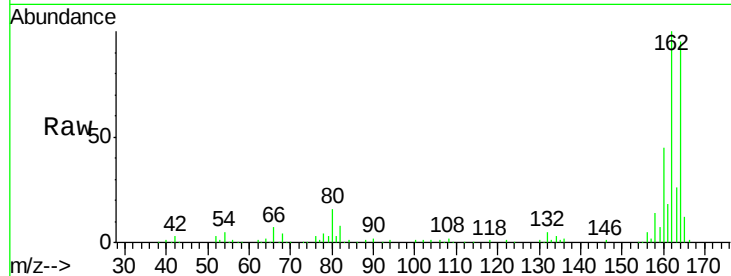




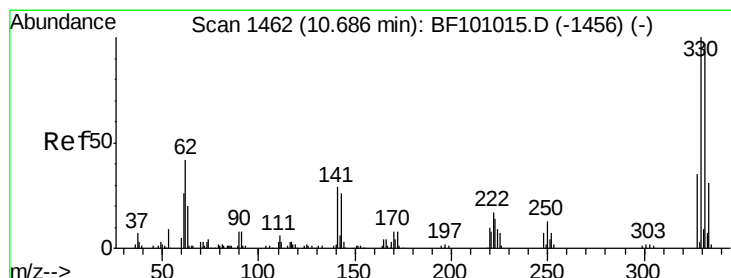
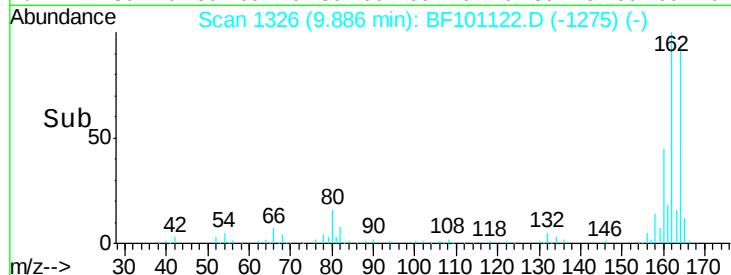
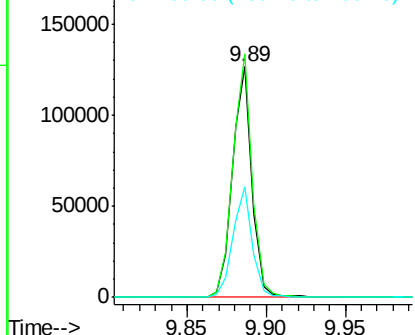
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 107375
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 47.6 38.3 57.5

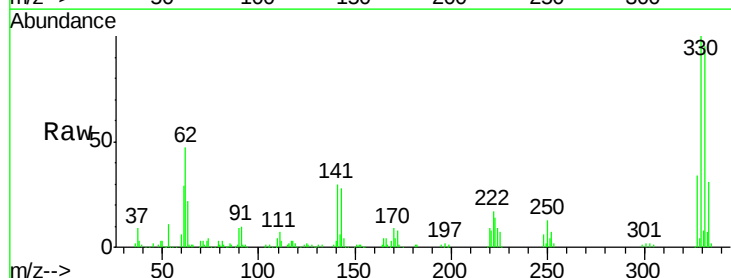


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

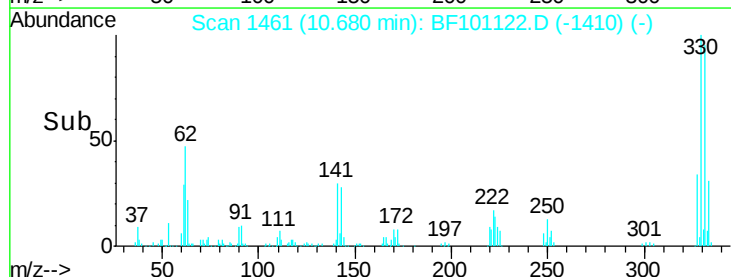
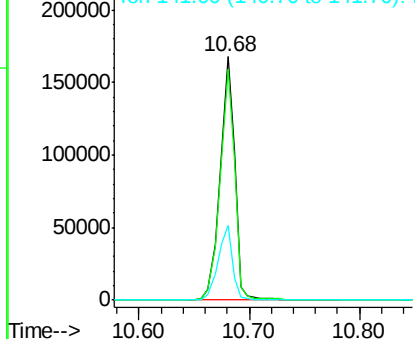


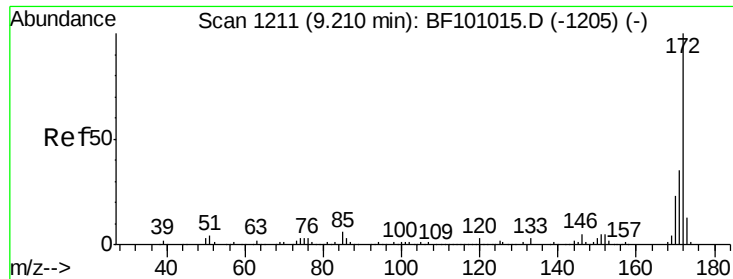
#41
2,4,6-Tribromophenol
Concen: 120.29 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:330 Resp: 155159
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 30.2 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

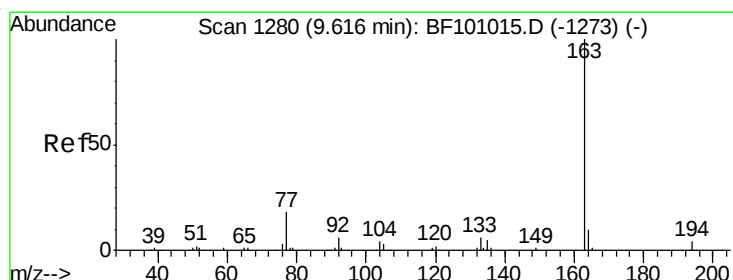
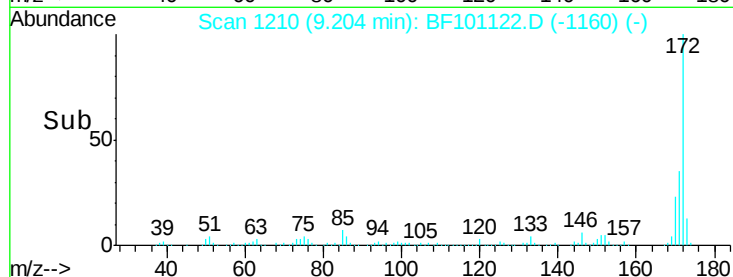
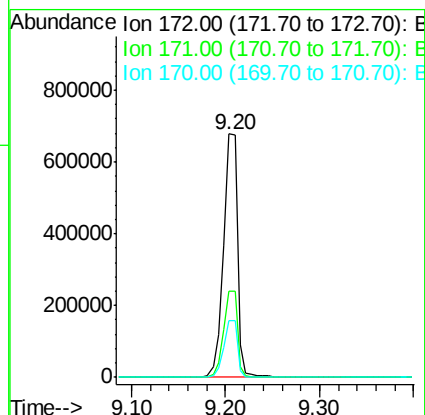
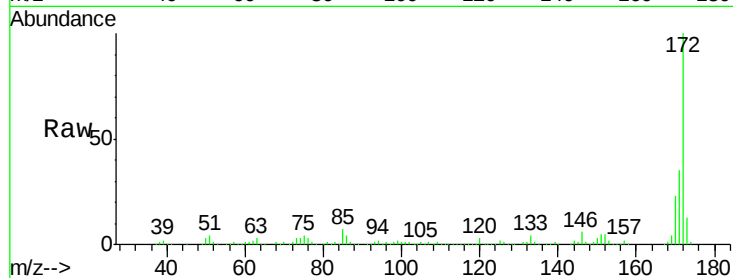




#44
2-Fluorobiphenyl
Concen: 90.27 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

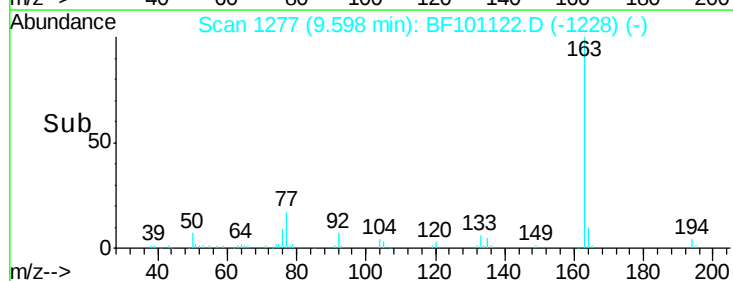
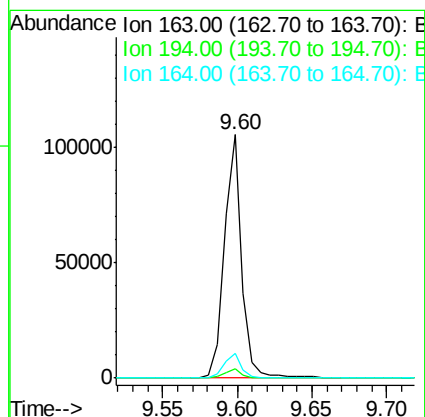
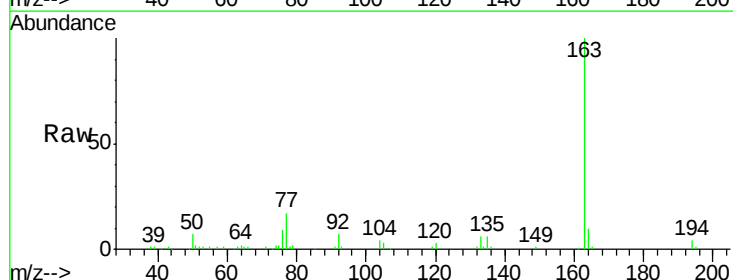
Instrument :
BNA_F
ClientSampleId :

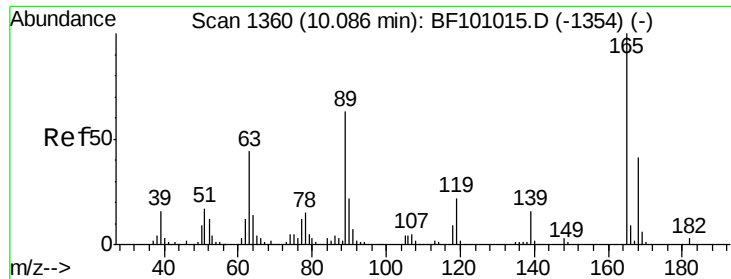
Tot Ion:172 Resp: 708432
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 9.98 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:163 Resp: 86426
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.3 8.2 12.2

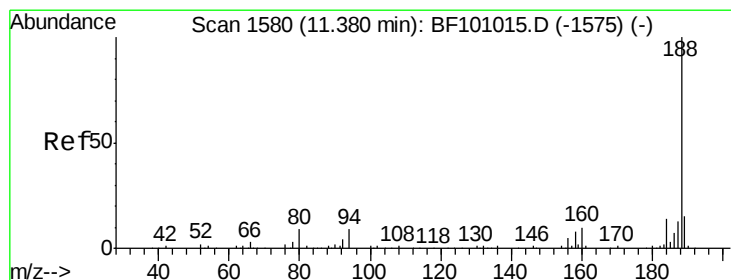
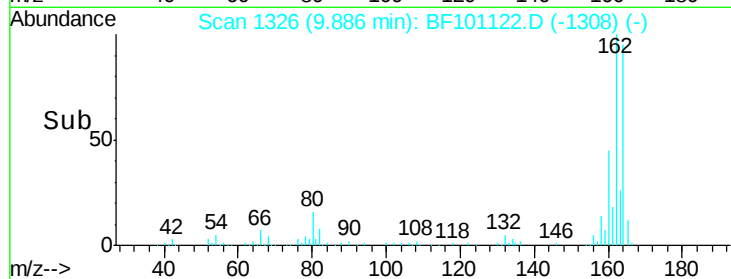
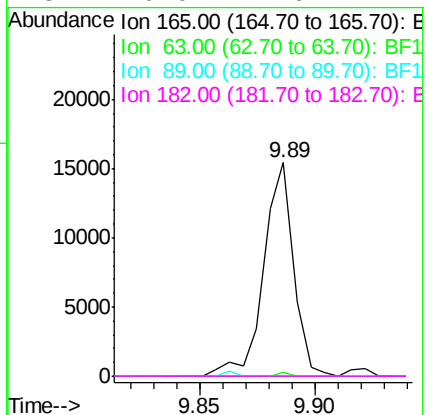
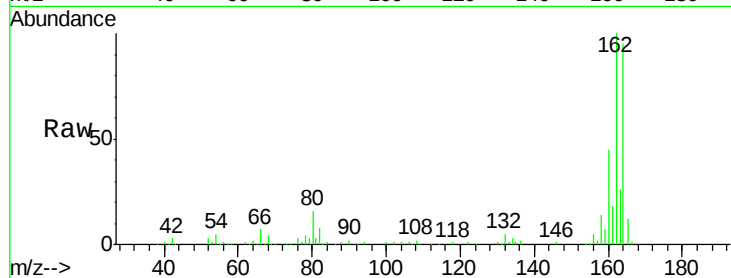




#56
 2,4-Dinitrotoluene
 Concen: 5.71 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101122.D
 Acq: 5 Dec 2017 14:15

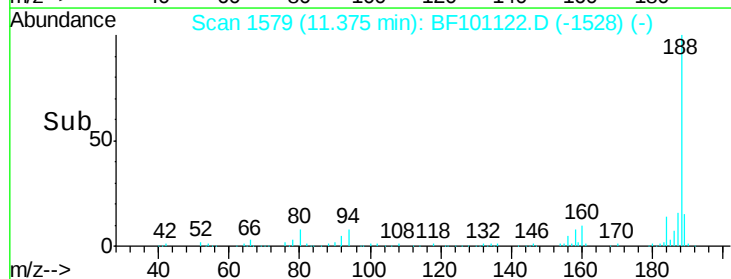
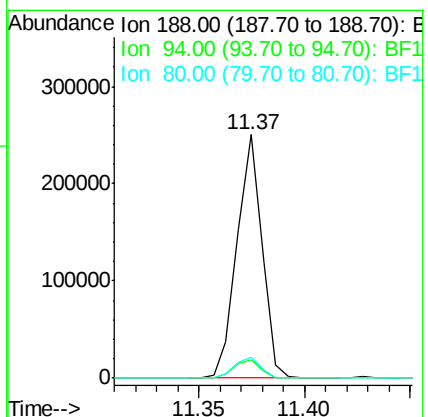
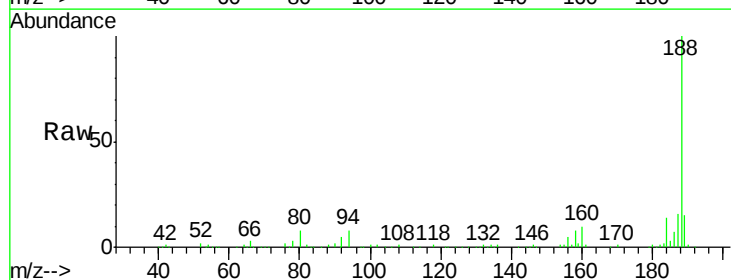
Instrument :
 BNA_F
 ClientSampleId :

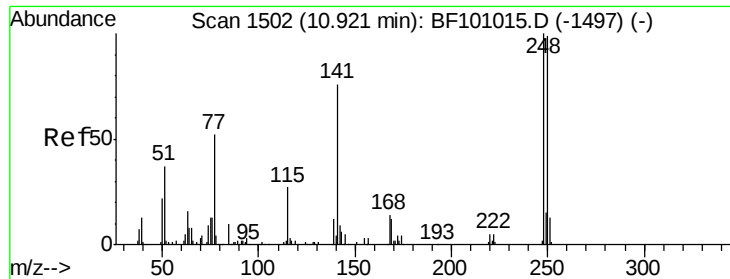
Tot Ion:165	Resp:	13947
Ion Ratio	Lower	Upper
165	100	
63	2.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101122.D
 Acq: 5 Dec 2017 14:15

Tgt Ion:188	Resp:	204945
Ion Ratio	Lower	Upper
188	100	
94	7.5	8.5 12.7#
80	8.4	9.2 13.8#

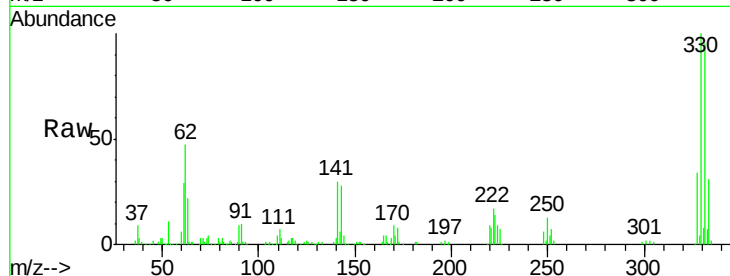




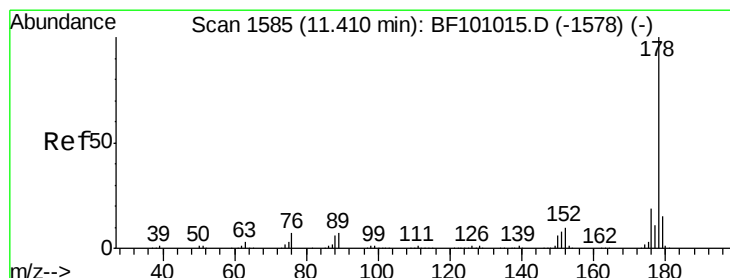
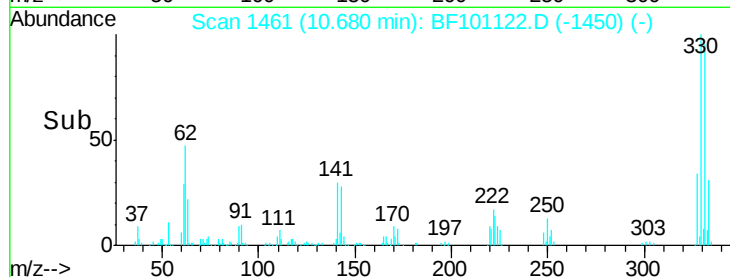
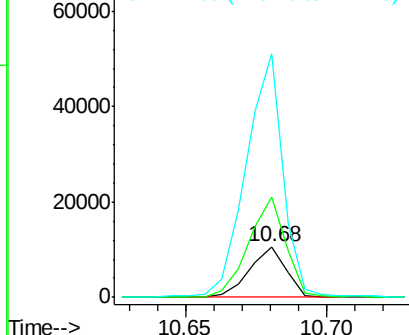
#66
4-Bromophenyl-phenylether
Concen: 4.16 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.23 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9533
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 481.4 74.4 111.6#

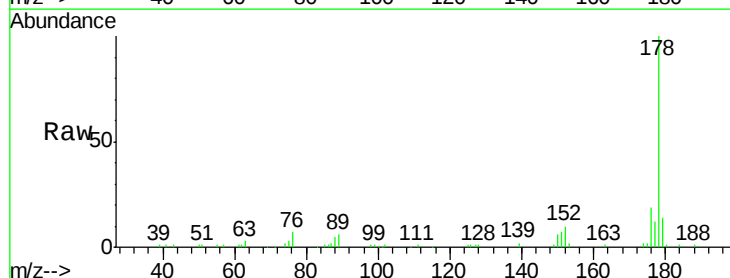


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

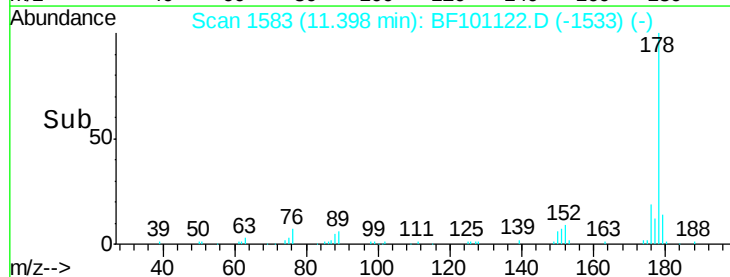
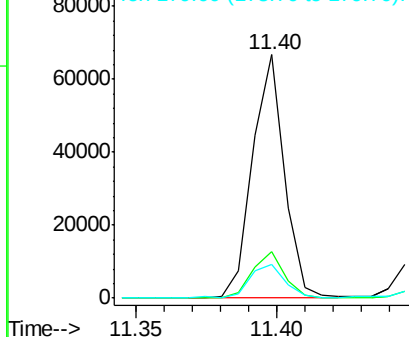


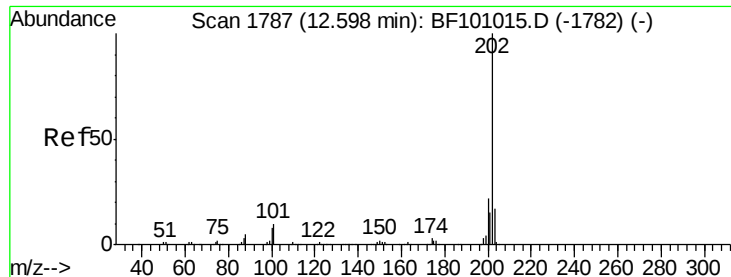
#70
Phenanthrene
Concen: 4.63 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:178 Resp: 52310
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 13.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.80 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

Instrument :

BNA_F

ClientSampleId :

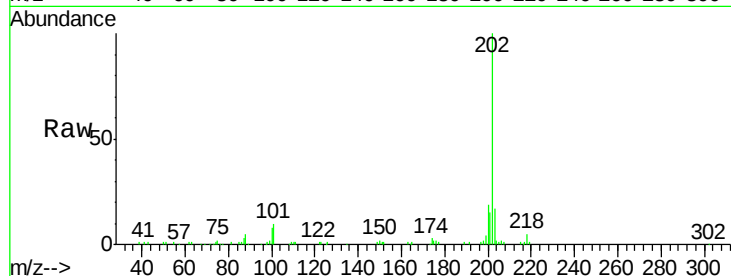
Tot Ion:202 Resp: 72622

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

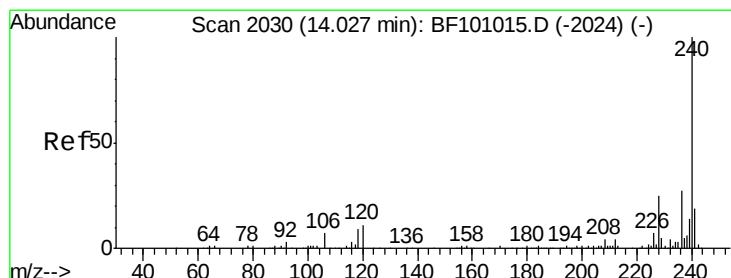
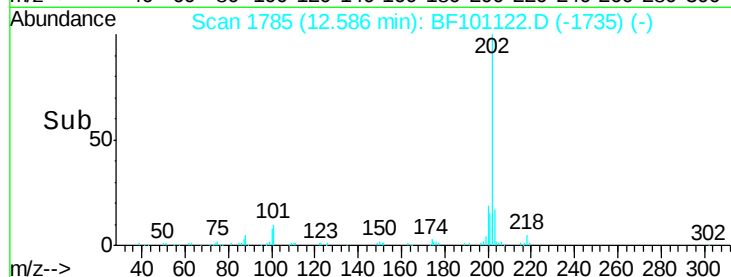
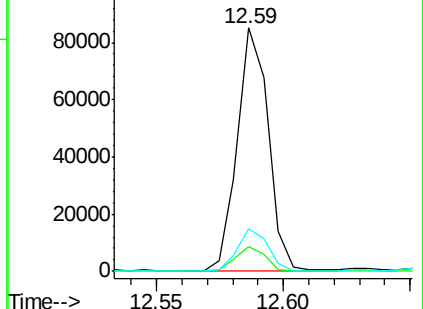
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

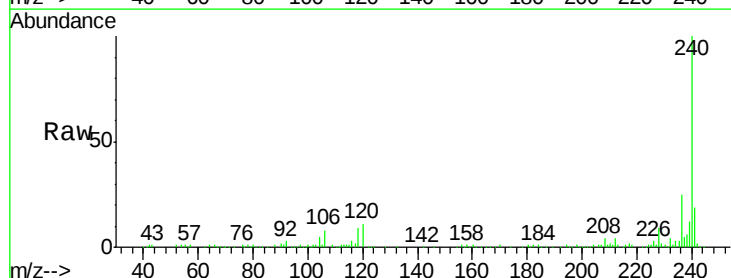
Tgt Ion:240 Resp: 138274

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

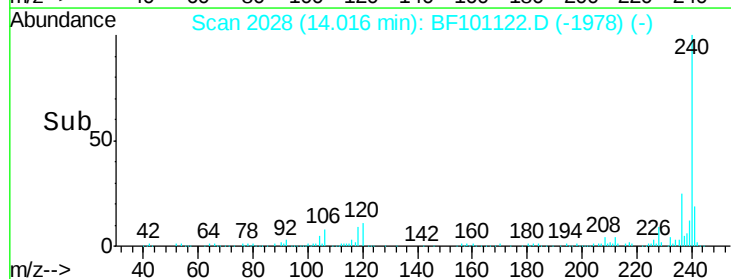
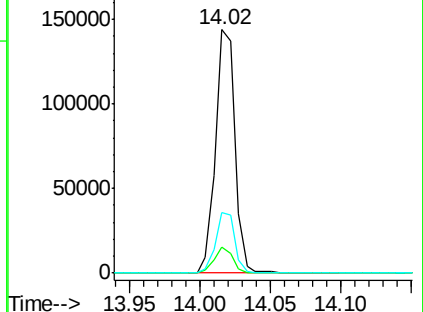
236 24.9 20.7 31.1

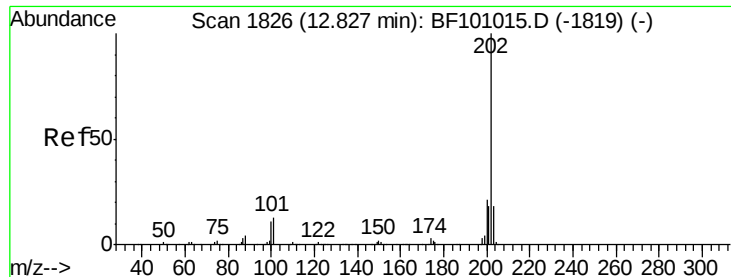


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.56 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

Instrument :

BNA_F

ClientSampled :

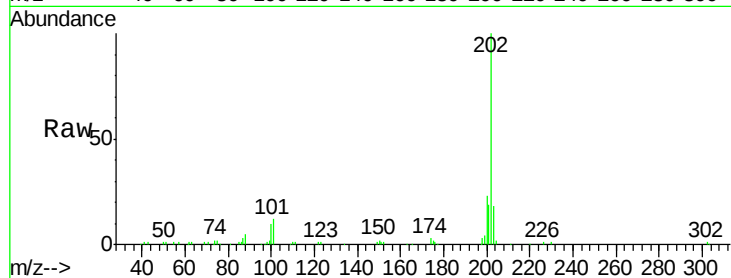
Tot Ion:202 Resp: 81689

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

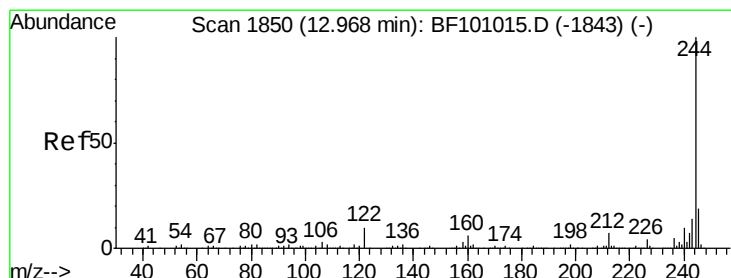
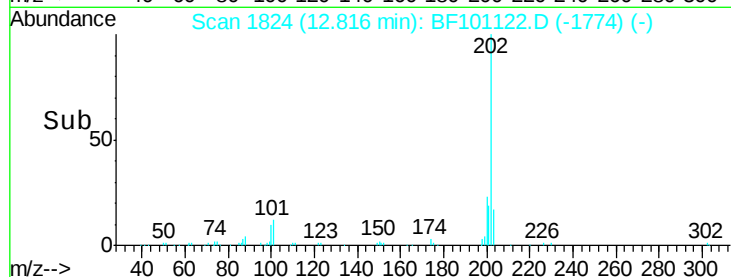
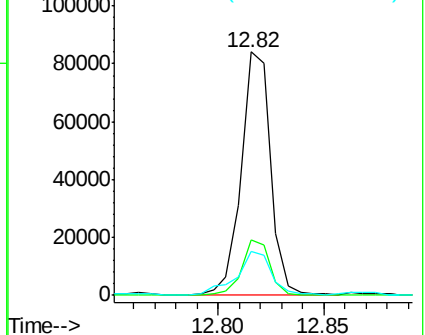
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 106.02 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

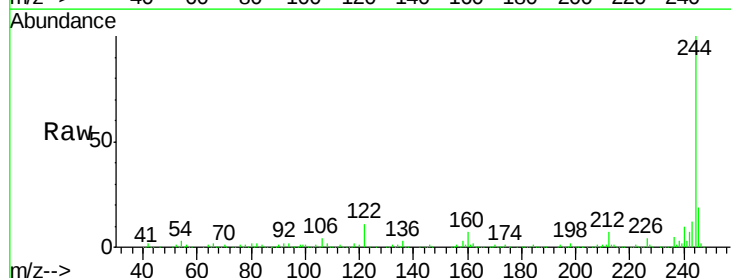
Tgt Ion:244 Resp: 670228

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

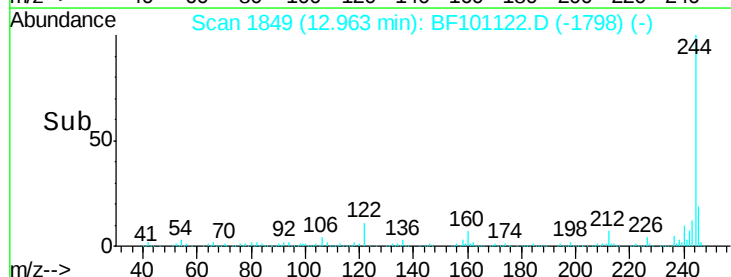
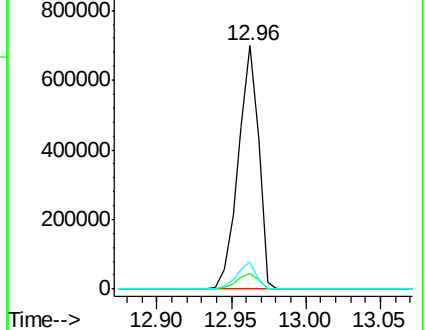
122 11.1 11.0 16.4

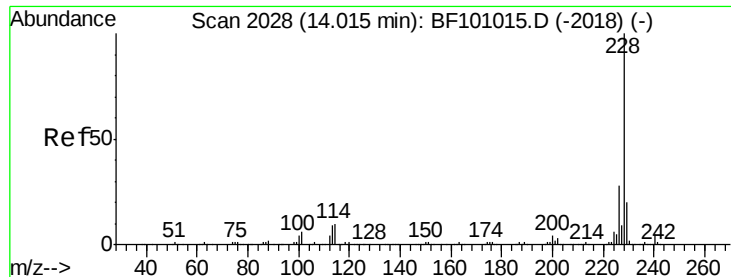


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.65 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

Instrument :

BNA_F

ClientSampleId :

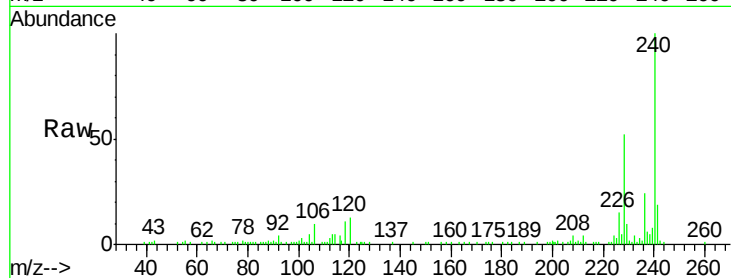
Tot Ion:228 Resp: 31849

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

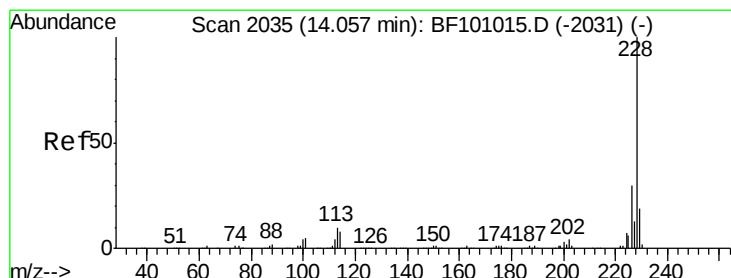
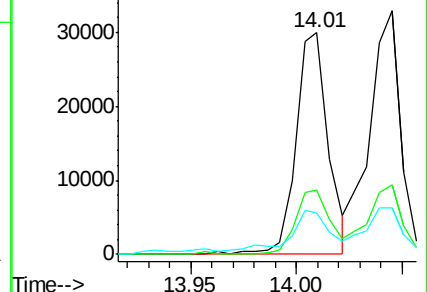
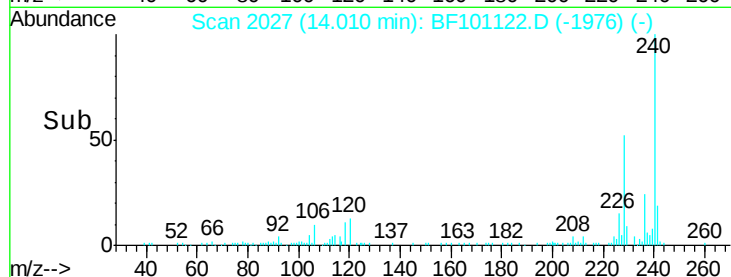
229 18.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.24 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101122.D

Acq: 5 Dec 2017 14:15

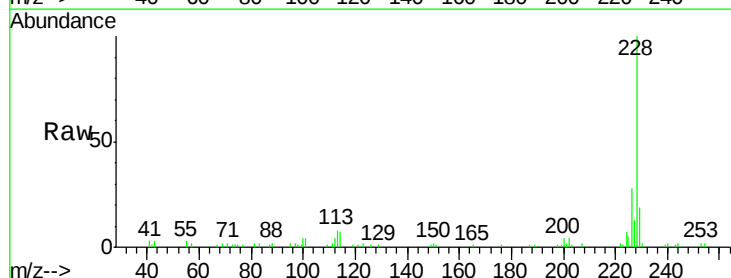
Tgt Ion:228 Resp: 34358

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

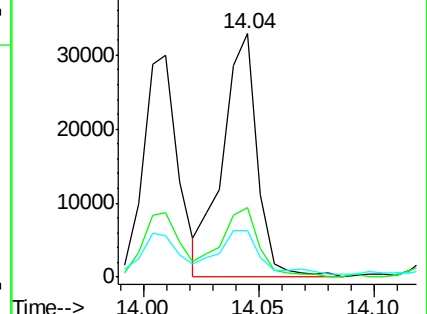
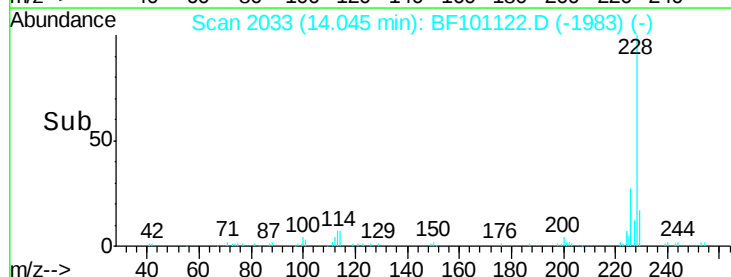
229 19.2 16.2 24.4

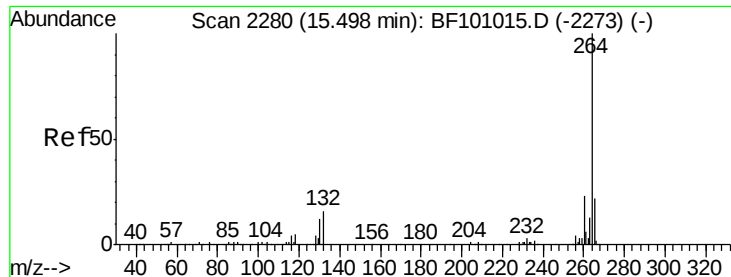


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

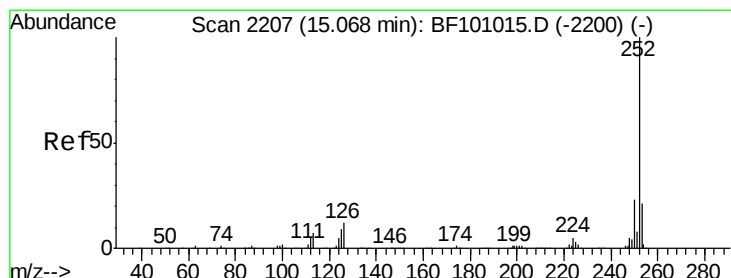
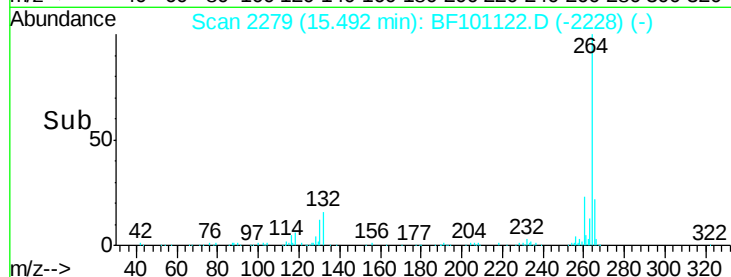
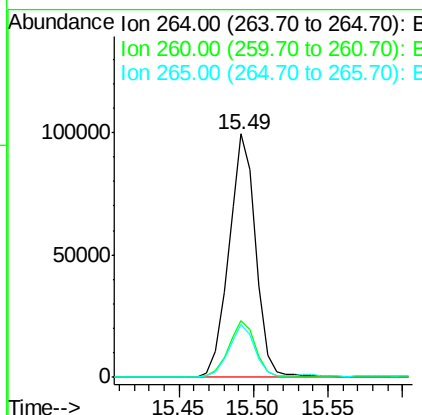
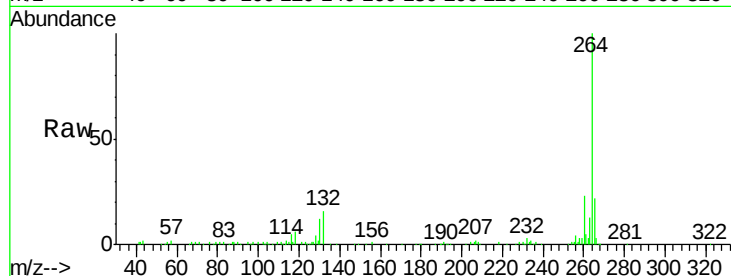




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

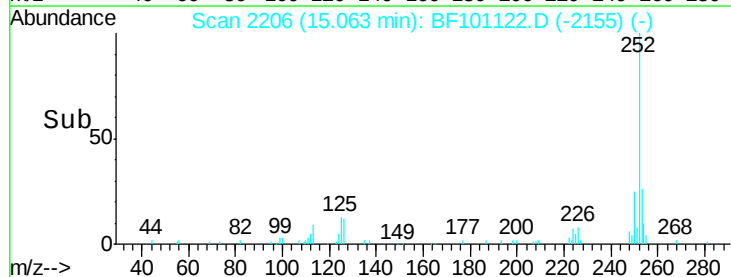
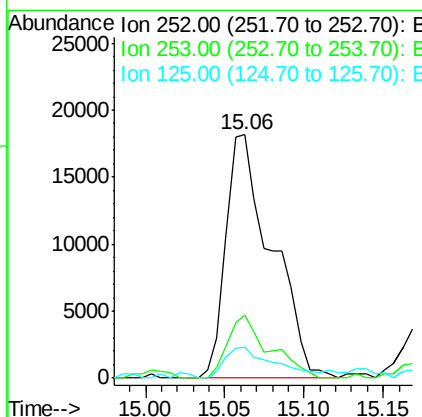
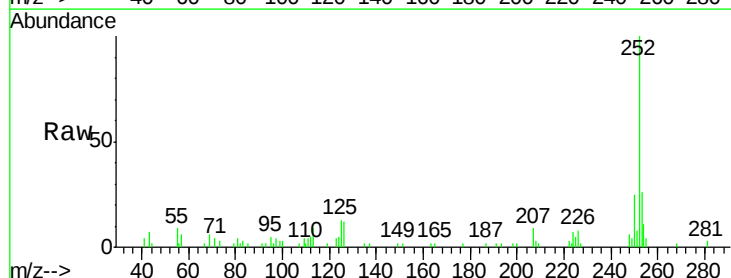
Instrument :
BNA_F
ClientSampleId :

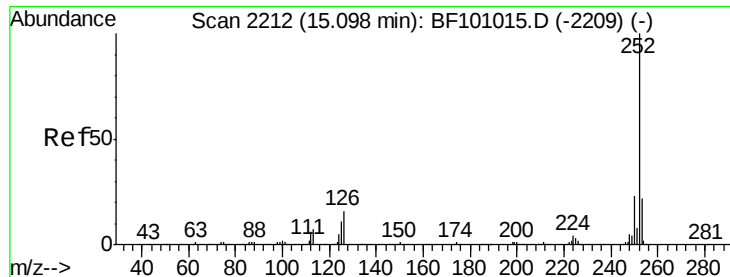
Tot Ion:264 Resp: 125143
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.87 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:252 Resp: 36476
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6#
125 12.8 9.0 13.6

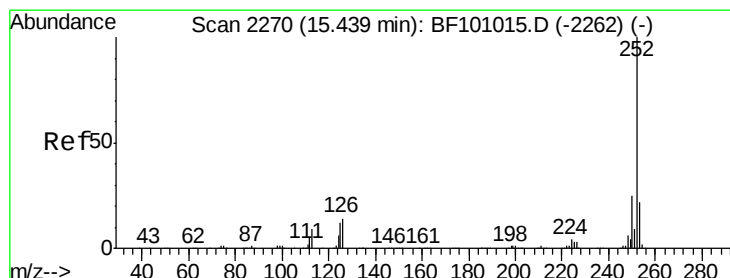
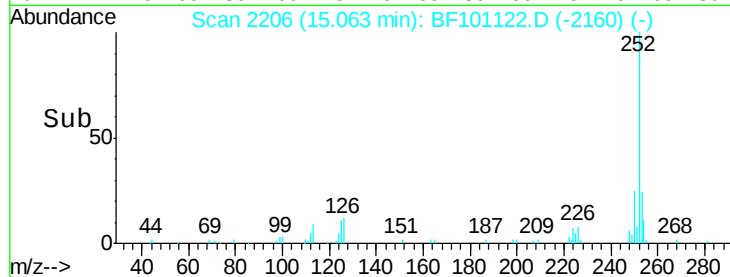
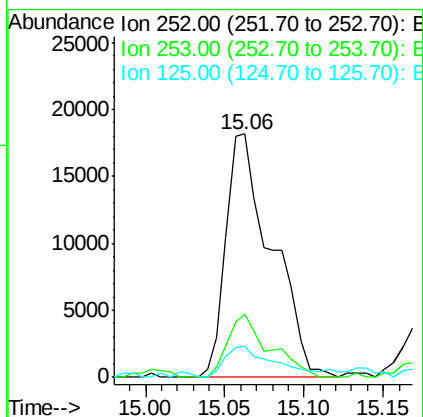
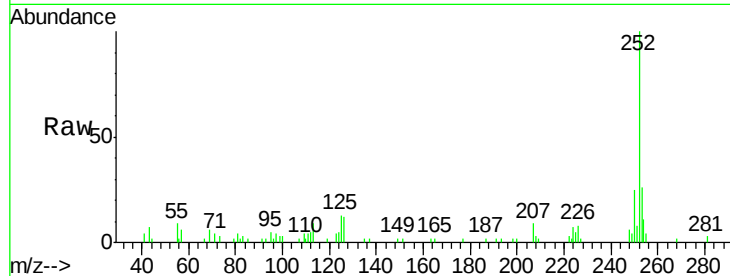




#88
Benzo(k)fluoranthene
Concen: 4.94 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

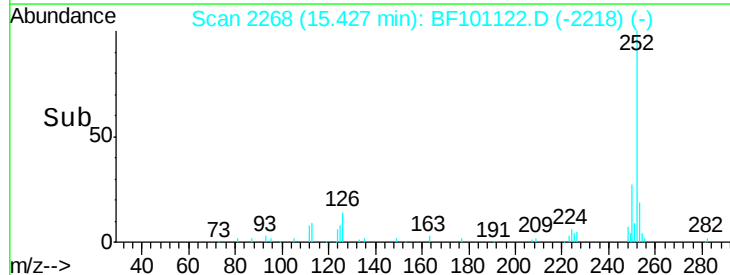
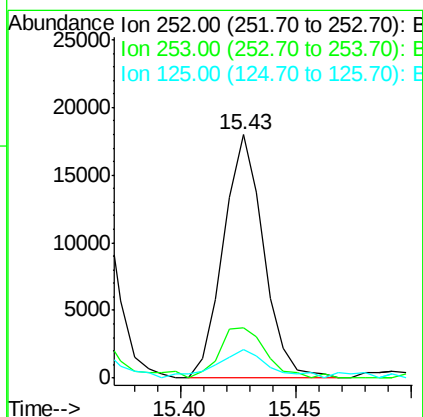
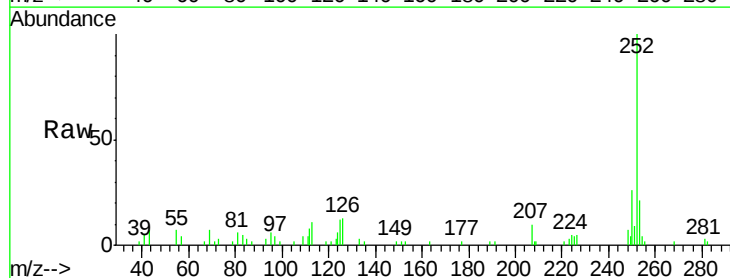
Instrument :
BNA_F
ClientSampleId :

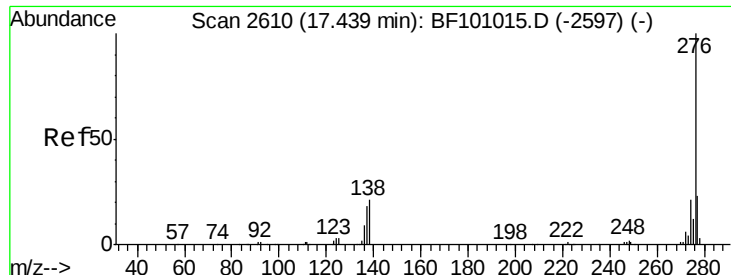
Tot Ion:252 Resp: 36476
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 12.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.20 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101122.D
Acq: 5 Dec 2017 14:15

Tgt Ion:252 Resp: 21782
Ion Ratio Lower Upper
252 100
253 20.6 17.1 25.7
125 11.6 9.8 14.6

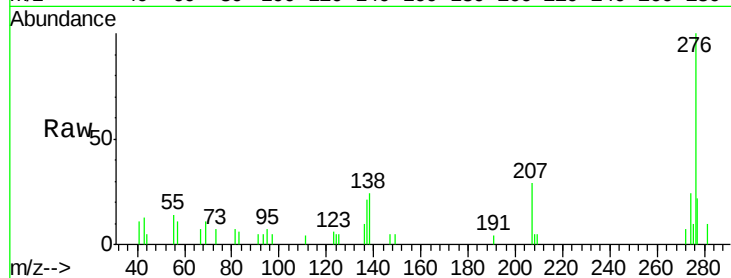




#91
 Benzo(a,h,i)perylene
 Concen: 2.50 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF101122.D
 Acq: 5 Dec 2017 14:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.1	17.9	26.9
138	24.2	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

