

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101034.D
 Acq On : 30 Nov 2017 22:52
 Operator : SJ/JU
 Sample : I6618-04 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 00:39:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

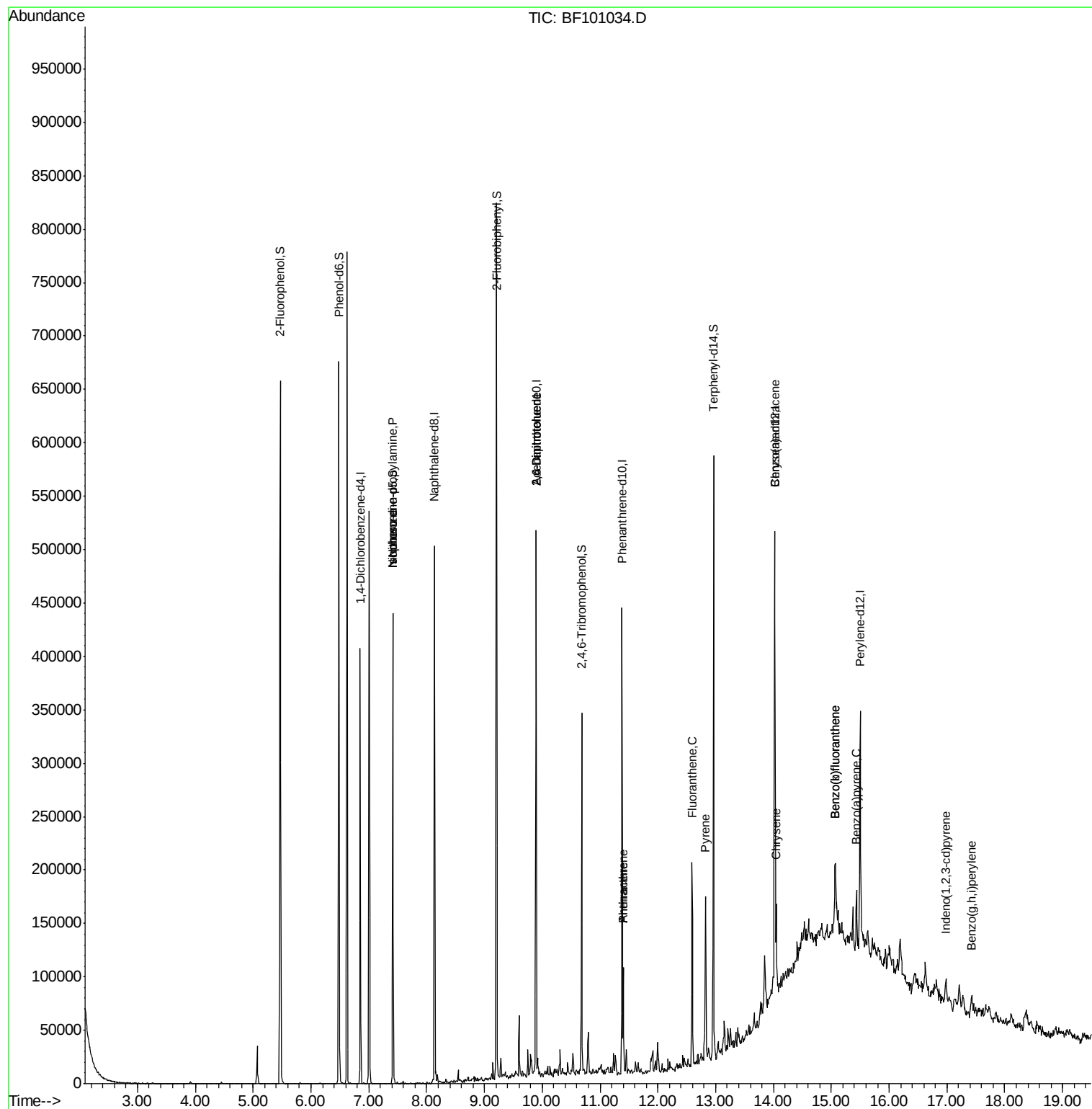
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	58082	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	221552	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	90810	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	141481	20.00	ng	0.00
75) Chrysene-d12	14.02	240	133175	20.00	ng	0.00
86) Perylene-d12	15.50	264	98686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	170682	48.56	ng	0.00
7) Phenol-d6	6.48	99	204598	47.94	ng	0.00
23) Nitrobenzene-d5	7.42	82	122372	32.95	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	38543	35.33	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	244363	36.82	ng	0.00
78) Terphenyl-d14	12.96	244	176958	29.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	15482	5.387	ng	Qvalue # 81
25) Isophorone	7.42	82	122372	19.290	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	11790	7.643	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	11790	5.703	ng	# 21
70) Phenanthrene	11.40	178	31927	4.098	ng	98
71) Anthracene	11.40	178	31927	4.049	ng	99
74) Fluoranthene	12.59	202	71271	8.252	ng	95
77) Pyrene	12.82	202	66126	7.196	ng	97
80) Benzo(a)anthracene	14.02	228	34060	4.051	ng	95
82) Chrysene	14.05	228	33207	4.252	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	14458	2.082	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	48052	8.129	ng	# 89
88) Benzo(k)fluoranthene	15.07	252	48052	8.251	ng	# 92
89) Benzo(a)pyrene	15.43	252	25351	4.717	ng	# 91
91) Benzo(a,h,i)perylene	17.43	276	14070	3.151	ng	# 82

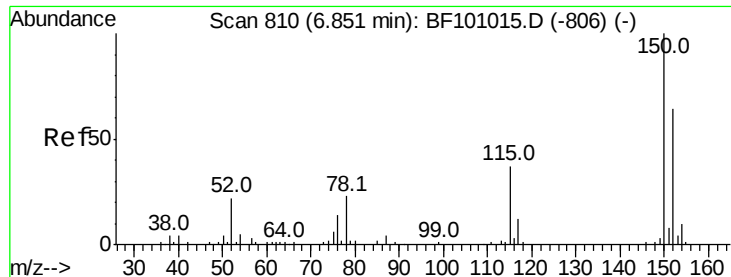
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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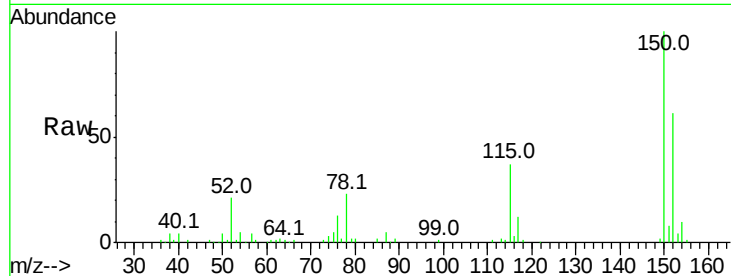


#1

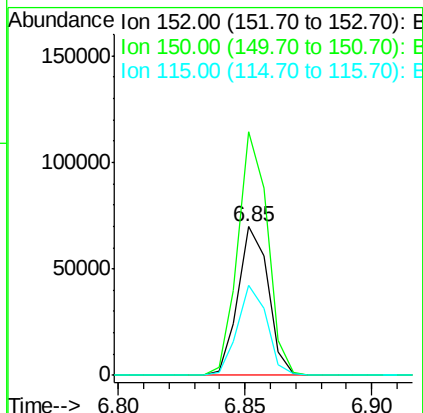
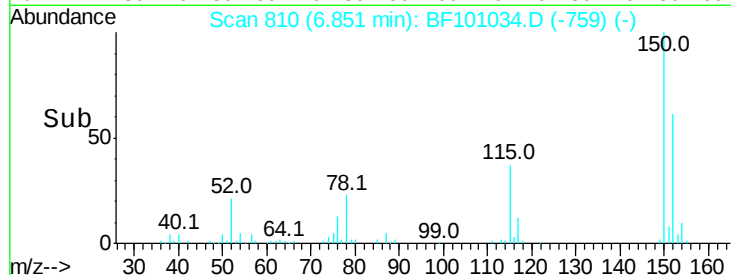
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58082
Ion Ratio Lower Upper
152 100
150 164.1 124.6 186.8
115 60.3 50.1 75.1



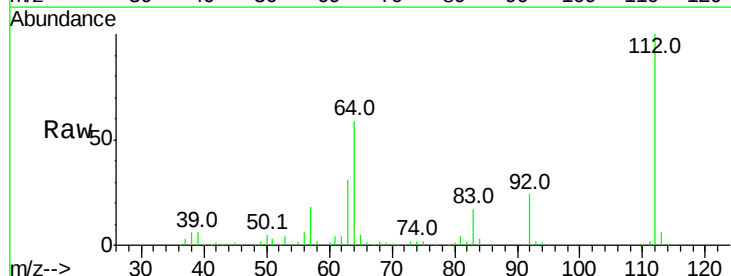
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



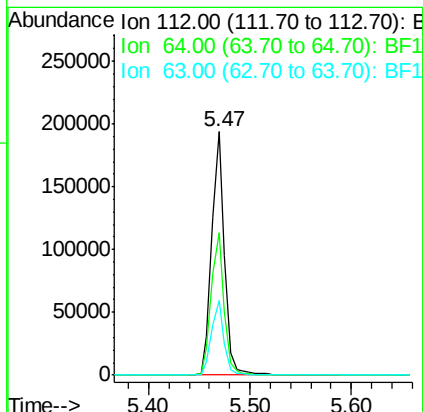
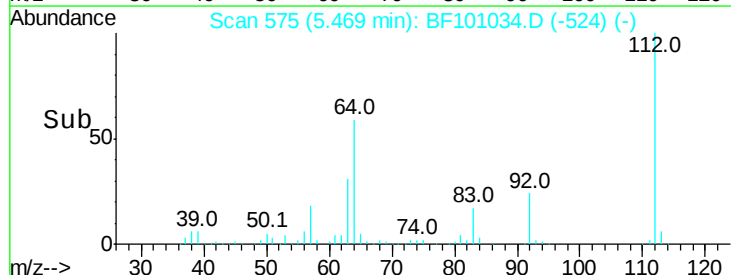
#5

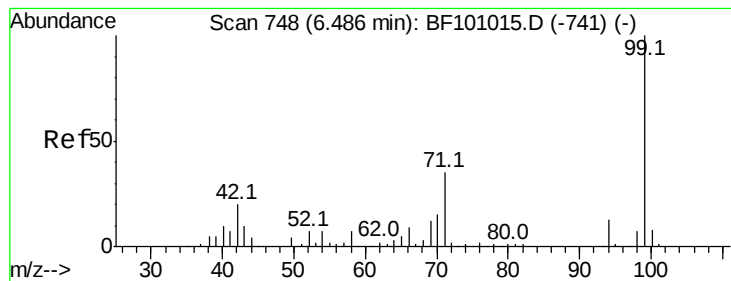
2-Fluorophenol
Concen: 48.559 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion:112 Resp: 170682
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 30.6 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: 47.944 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampleId :

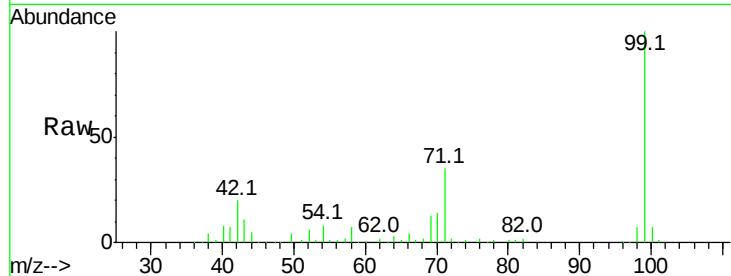
Tot Ion: 99 Resp: 204598

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

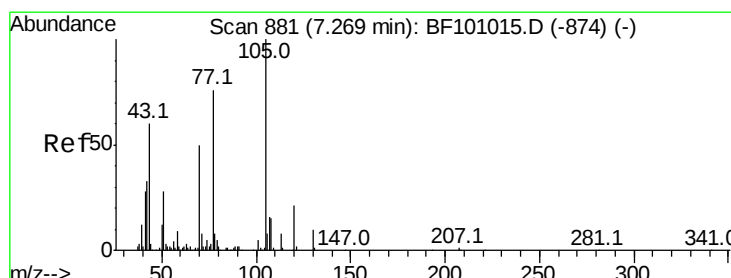
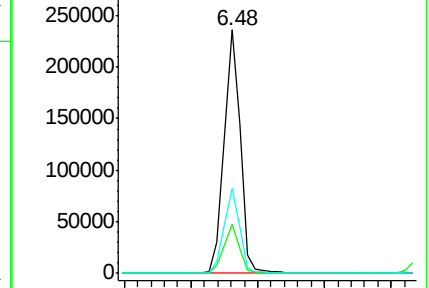
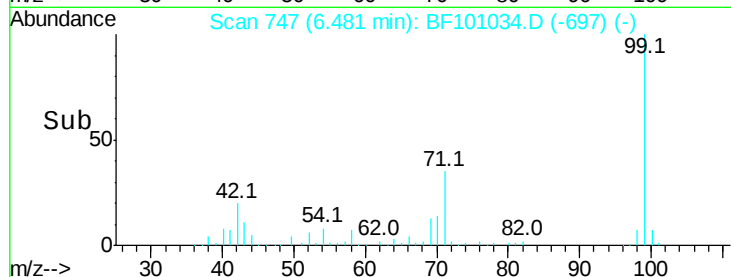
71 35.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.387 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Tgt Ion: 70 Resp: 15482

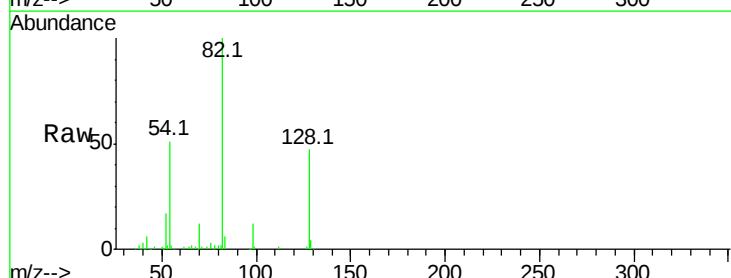
Ion Ratio Lower Upper

70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

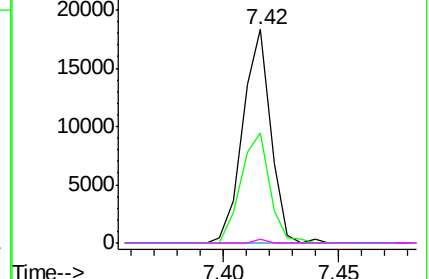
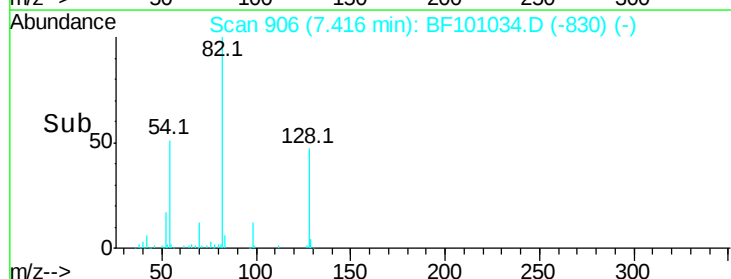


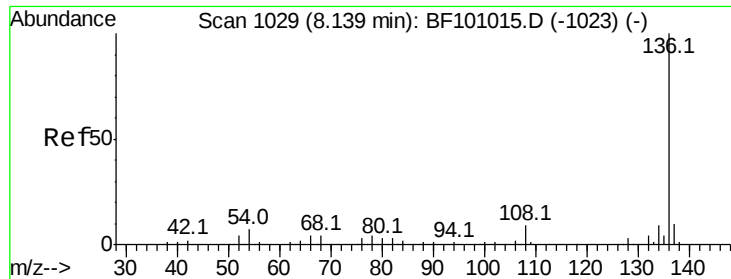
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

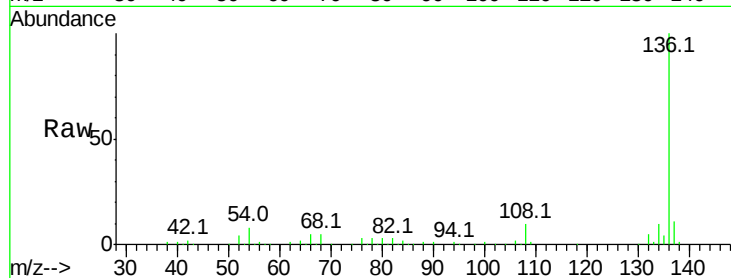




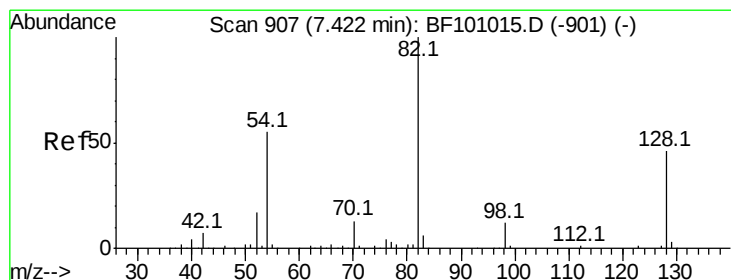
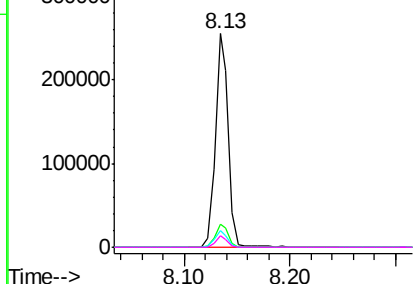
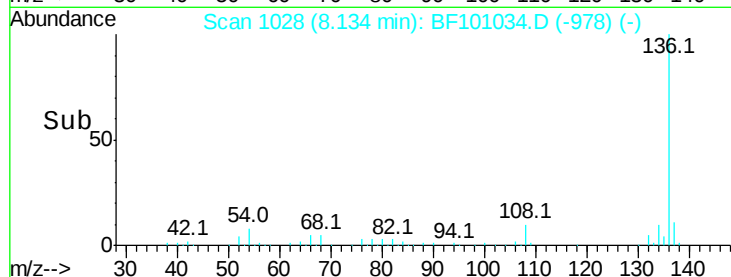
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	221552
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 7.7	6.6	9.8
68 5.1	5.0	7.4

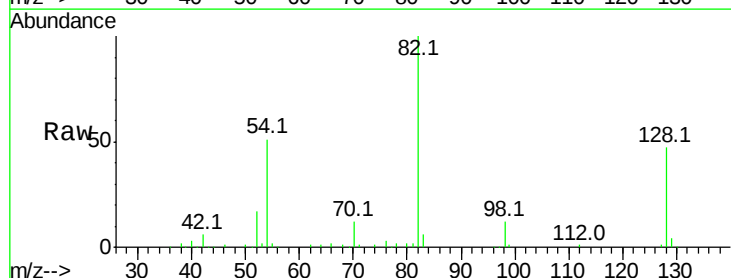


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

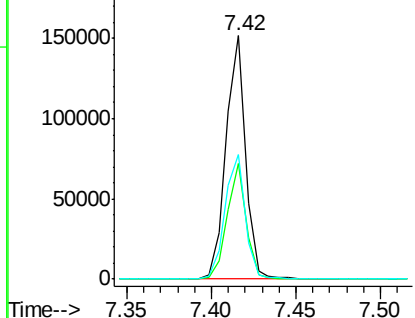
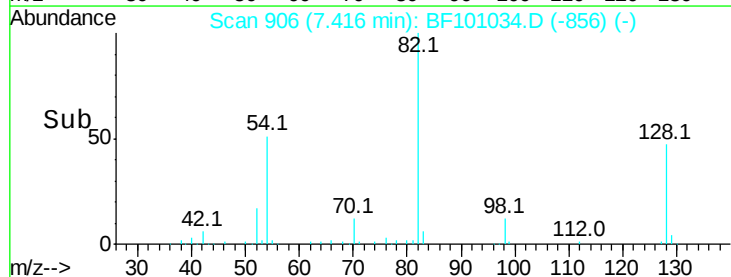


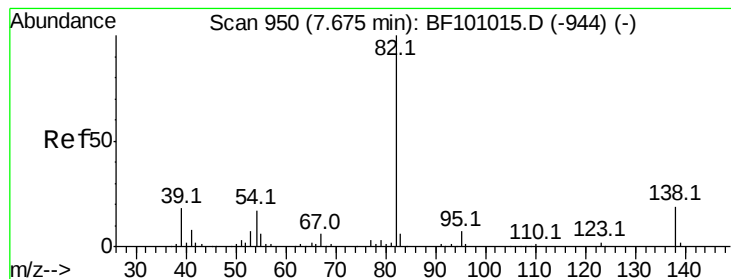
#23
Nitrobenzene-d5
Concen: 32.949 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt	Ion: 82	Resp:	122372
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	51.2	41.4	62.2



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





#25

Isophorone

Concen: 19.290 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampled :

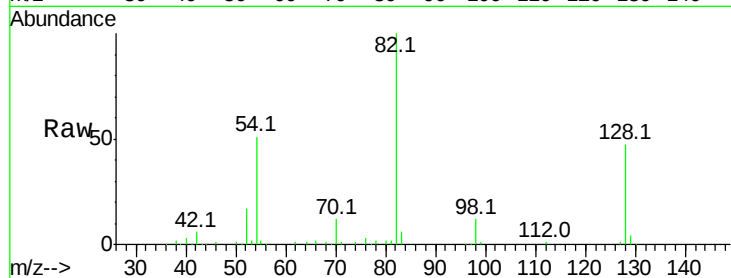
Tot Ion: 82 Resp: 122372

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

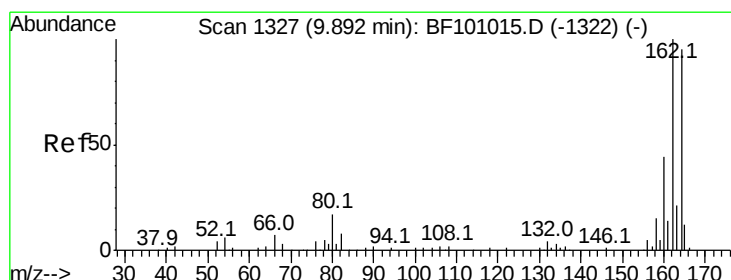
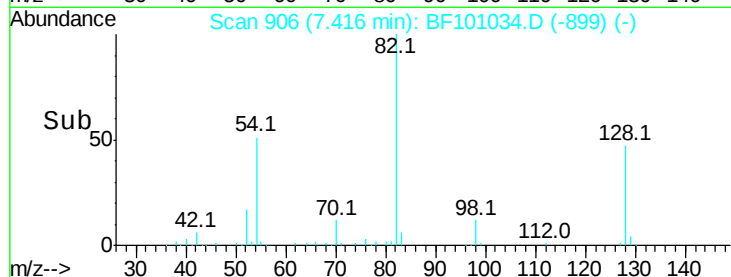
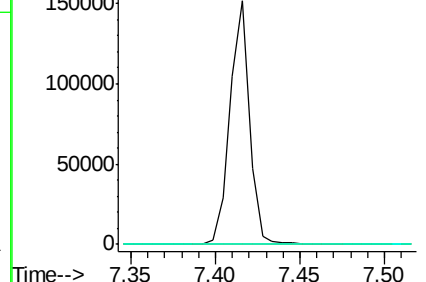
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

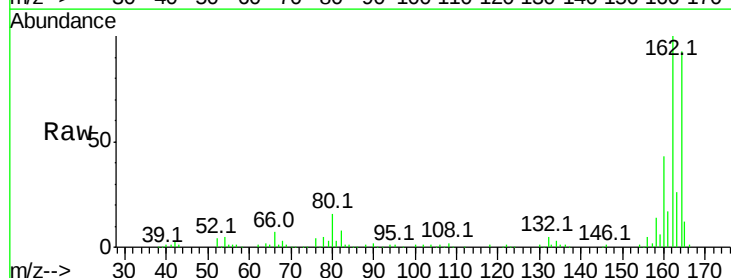
Tgt Ion:164 Resp: 90810

Ion Ratio Lower Upper

164 100

162 107.7 86.1 129.1

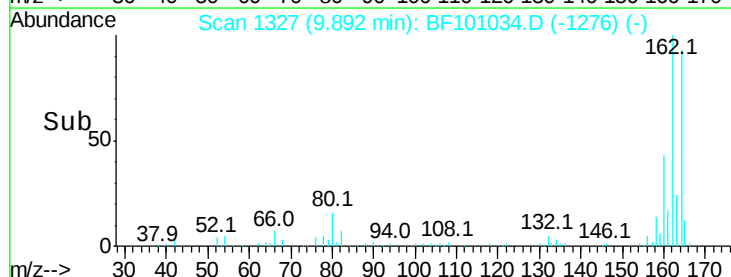
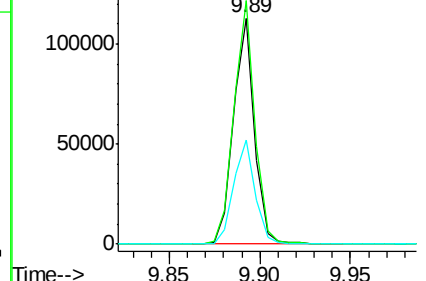
160 46.1 38.3 57.5



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: 35.332 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampleId :

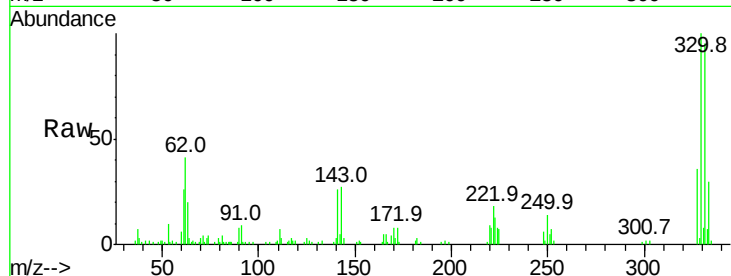
Tot Ion:330 Resp: 38543

Ion Ratio Lower Upper

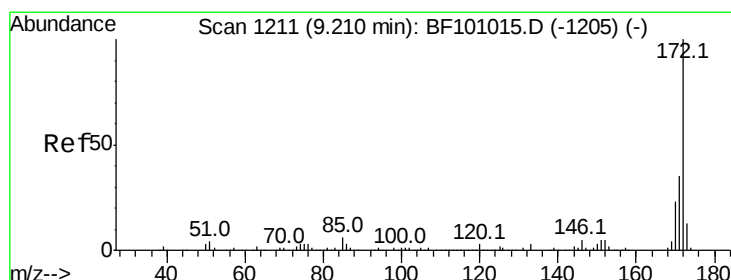
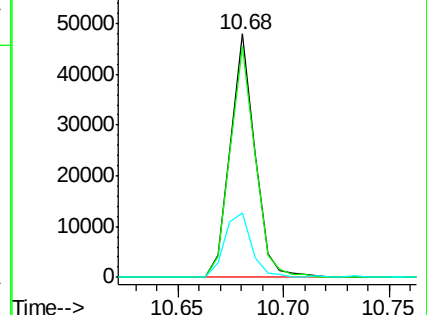
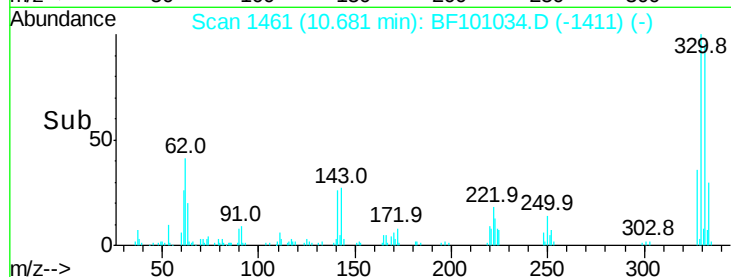
330 100

332 96.1 77.0 115.6

141 29.2 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: 36.817 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

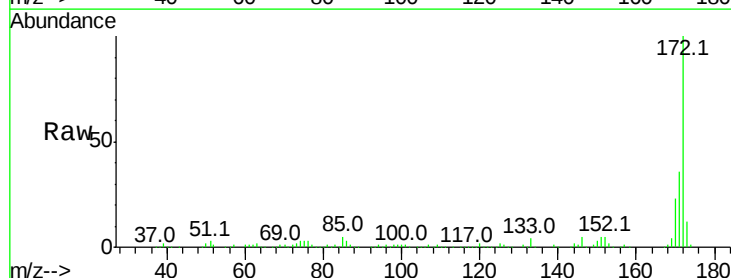
Tgt Ion:172 Resp: 244363

Ion Ratio Lower Upper

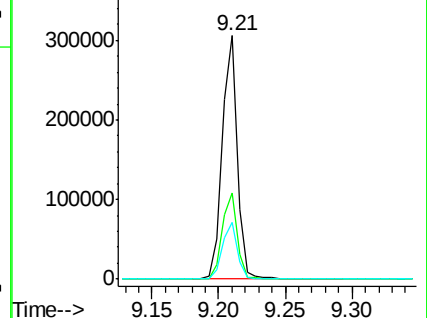
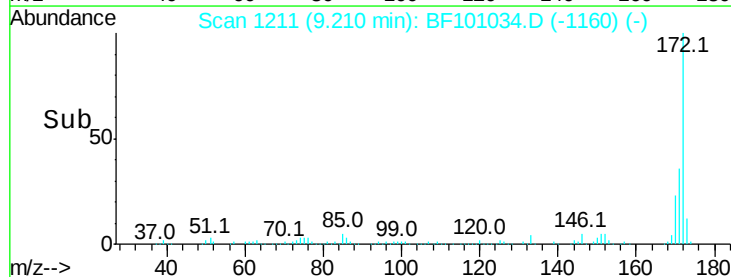
172 100

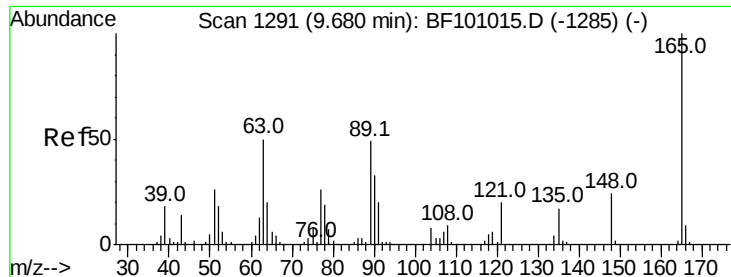
171 35.6 29.7 44.5

170 23.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

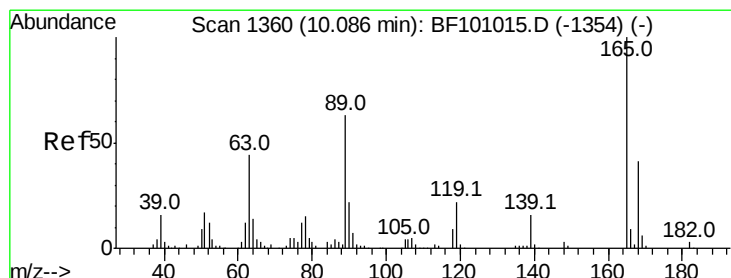
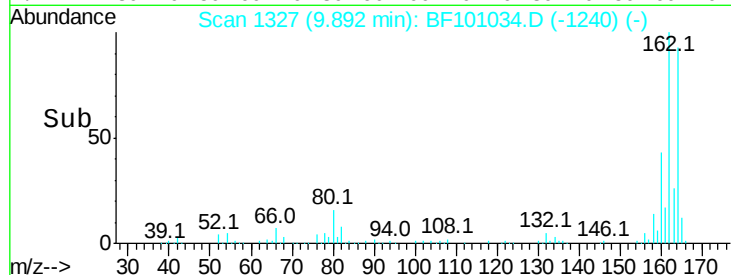
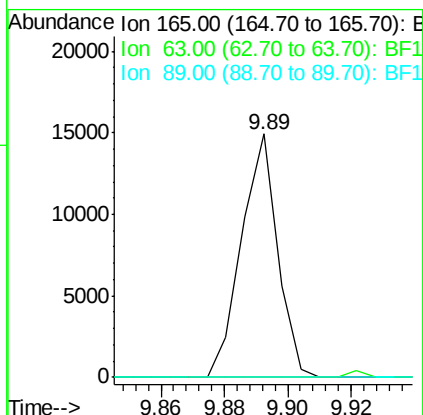
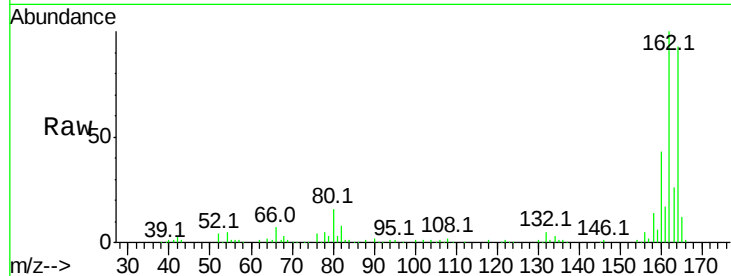




#50
 2,6-Dinitrotoluene
 Concen: 7.643 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

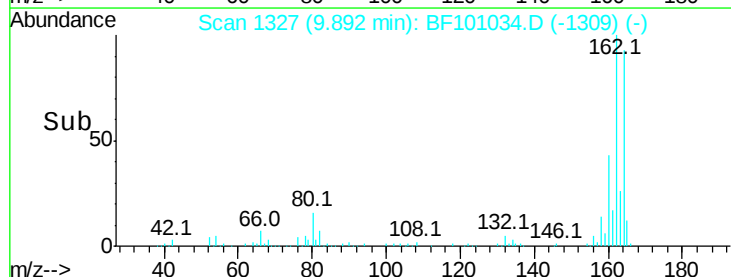
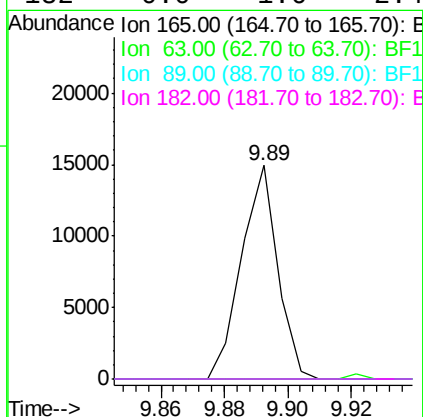
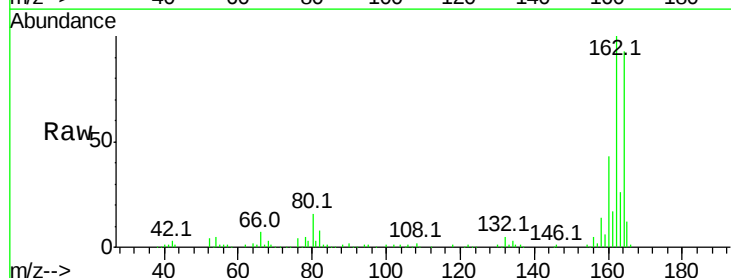
Instrument :
 BNA_F
 ClientSampleId :

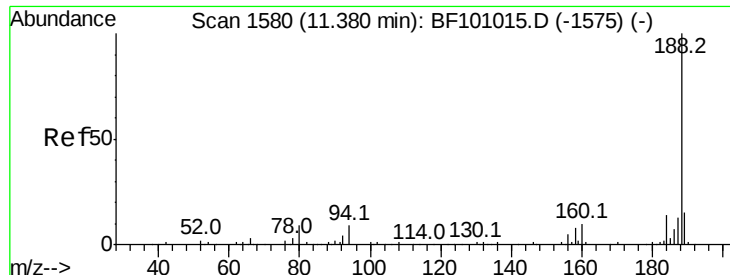
Tot Ion:165 Resp: 11790
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.703 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

Tgt Ion:165 Resp: 11790
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

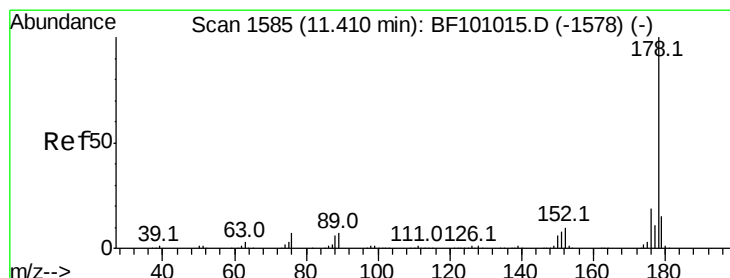
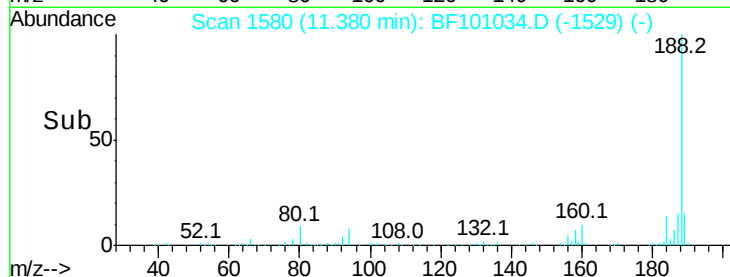
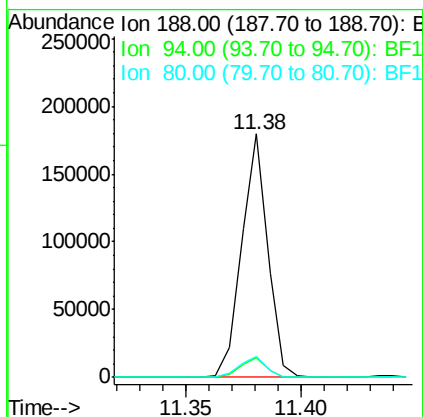
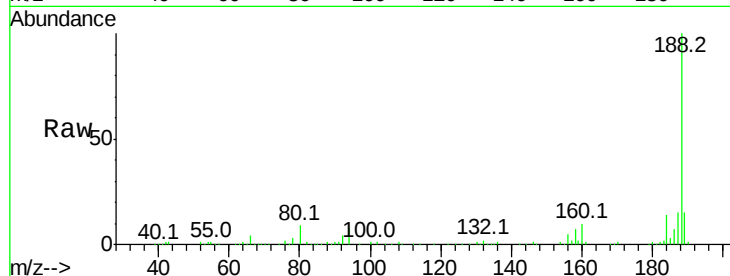




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

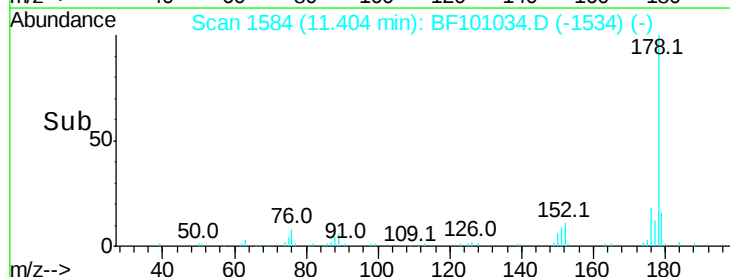
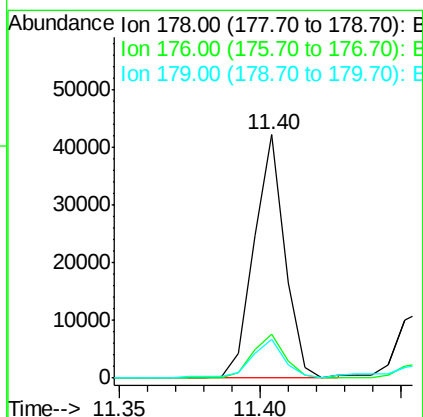
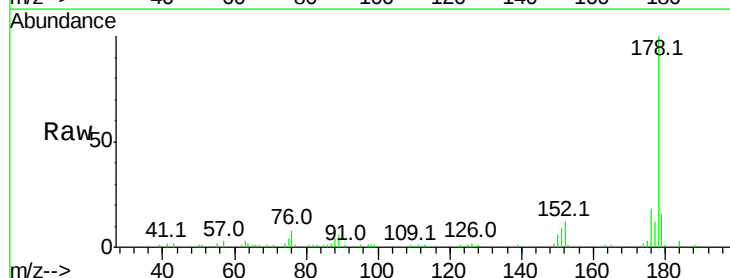
Instrument :
BNA_F
ClientSampleId :

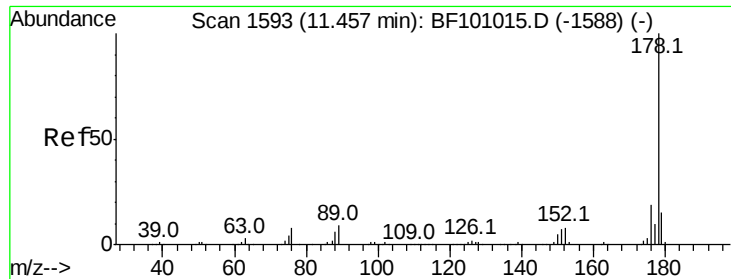
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.5	9.2	13.8#



#70
Phenanthrene
Concen: 4.098 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.8	13.0	19.6

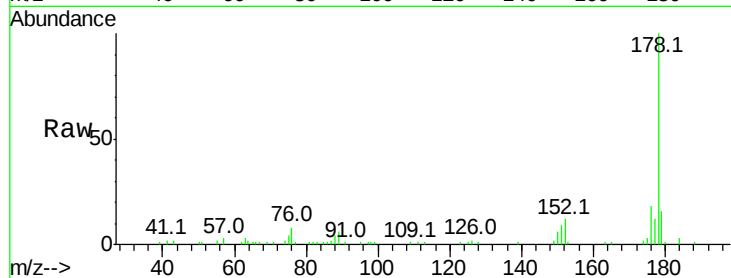




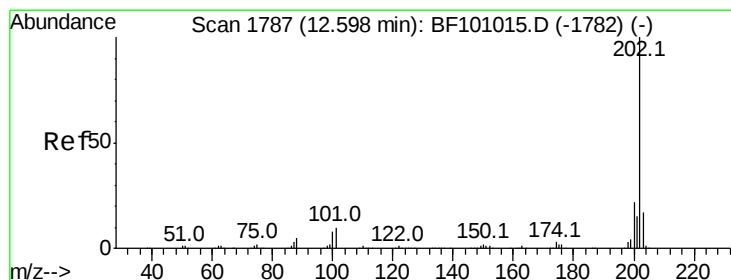
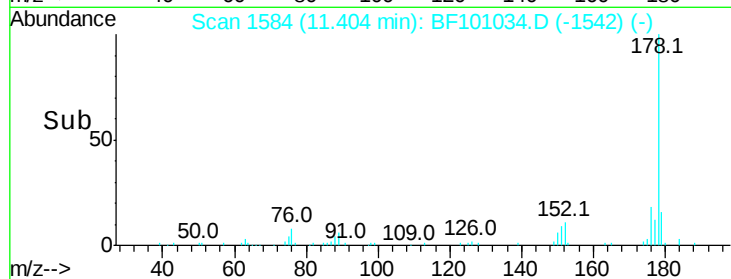
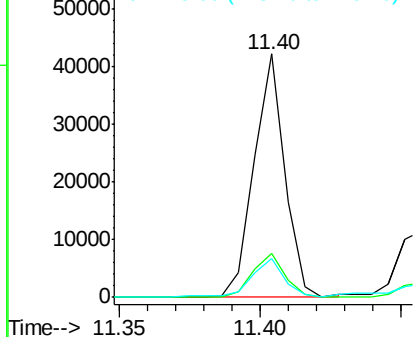
#71
 Anthracene
 Concen: 4.049 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.05 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 31927
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.8 12.6 19.0

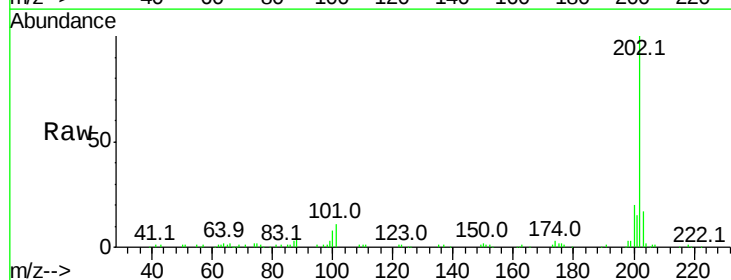


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

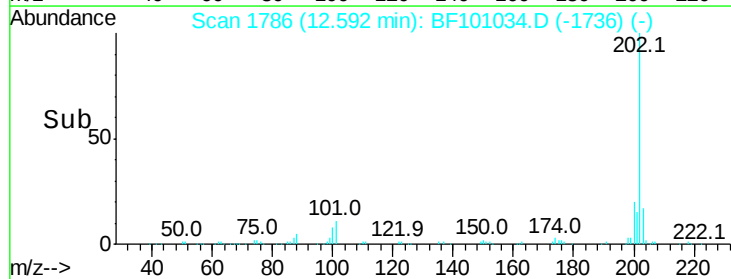
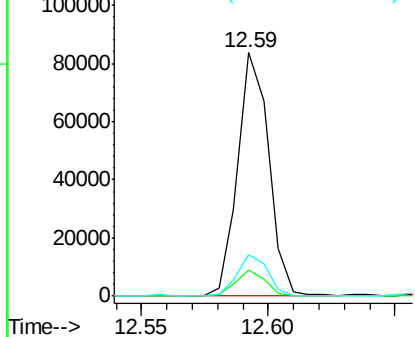


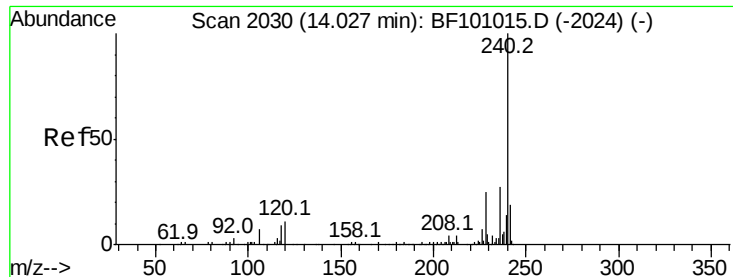
#74
 Fluoranthene
 Concen: 8.252 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

Tgt Ion:202 Resp: 71271
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 34.1
 203 16.8 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: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampleId :

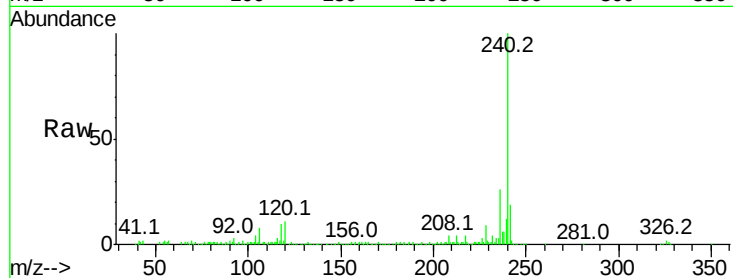
Tot Ion:240 Resp: 133175

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

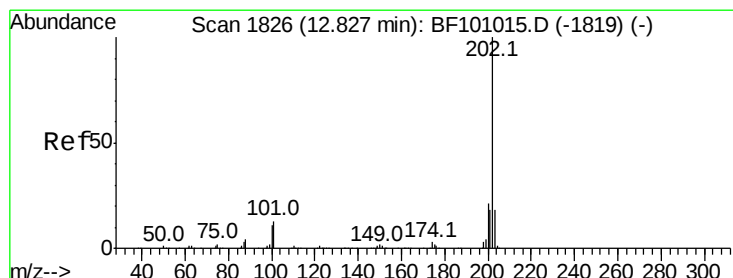
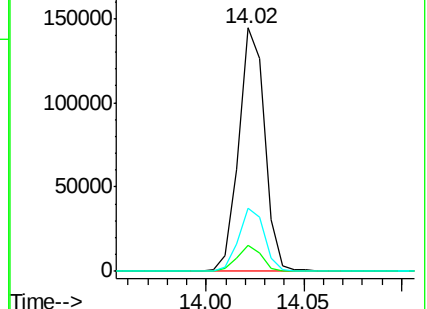
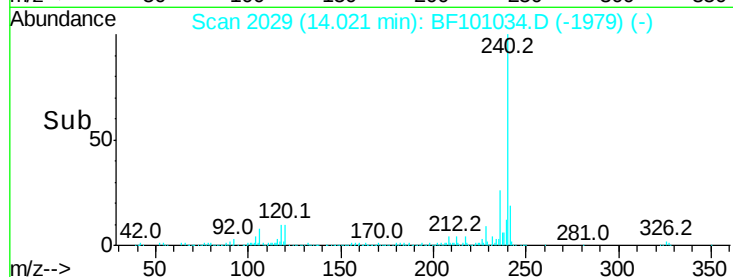
236 25.8 20.7 31.1



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

Pyrene

Concen: 7.196 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

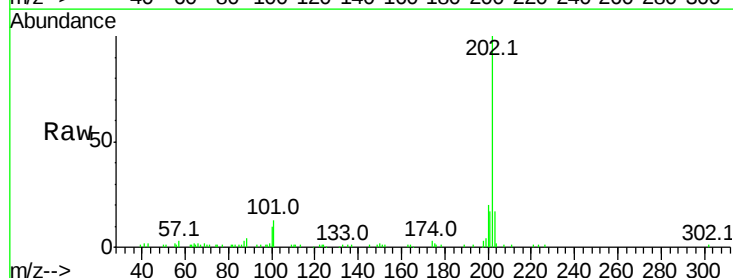
Tgt Ion:202 Resp: 66126

Ion Ratio Lower Upper

202 100

200 19.6 17.4 26.2

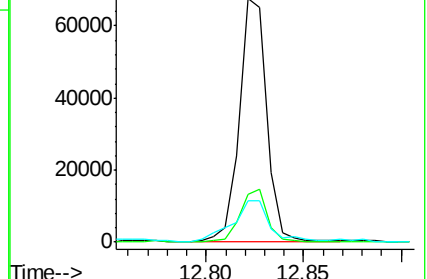
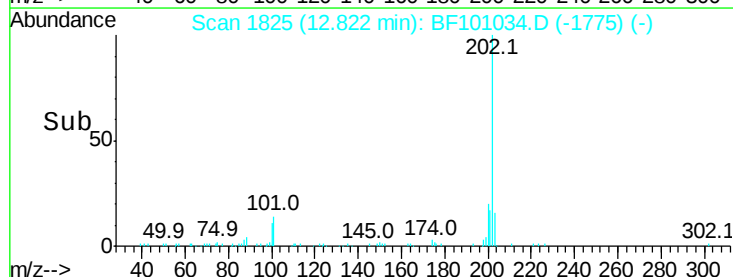
203 16.9 14.3 21.5

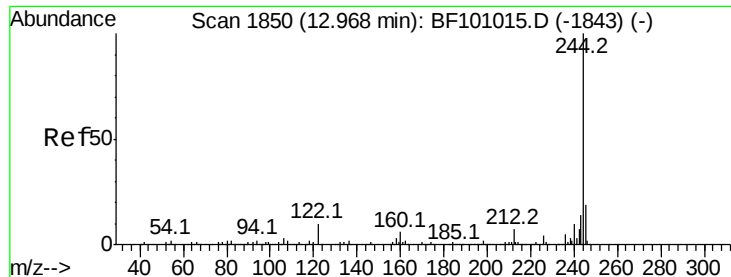


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.064 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampleId :

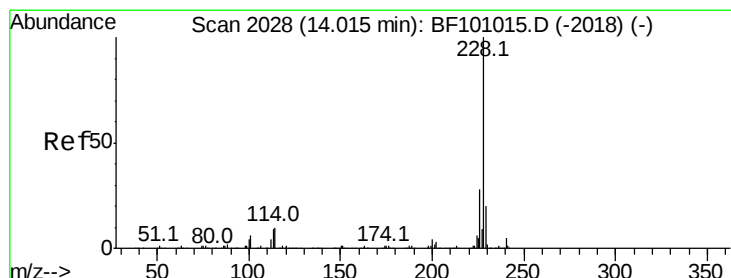
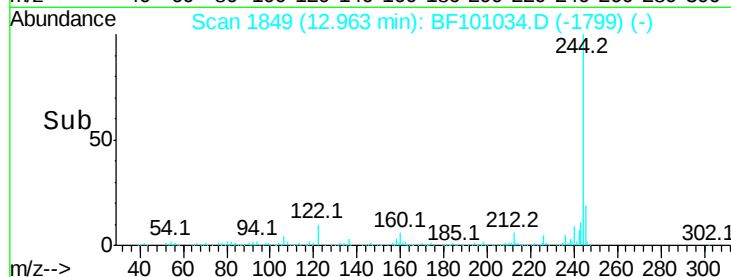
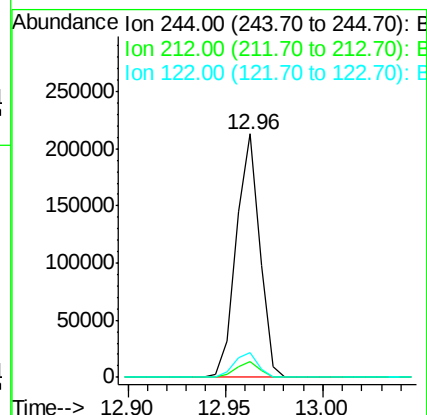
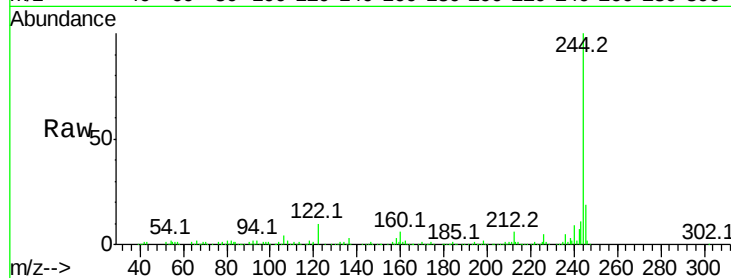
Tot Ion:244 Resp: 176958

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.1 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 4.051 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

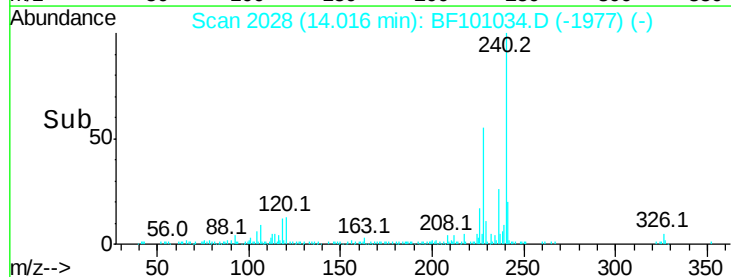
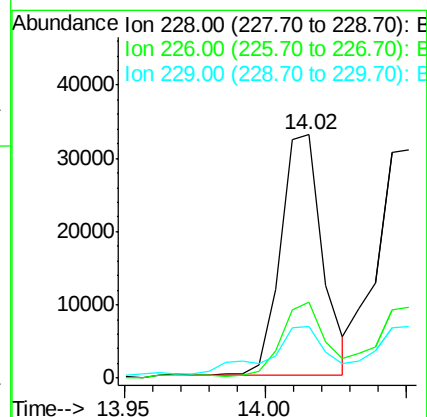
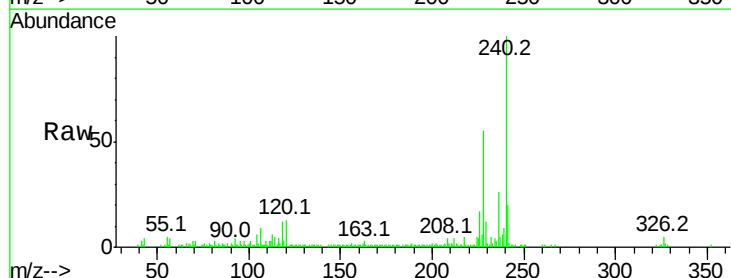
Tgt Ion:228 Resp: 34060

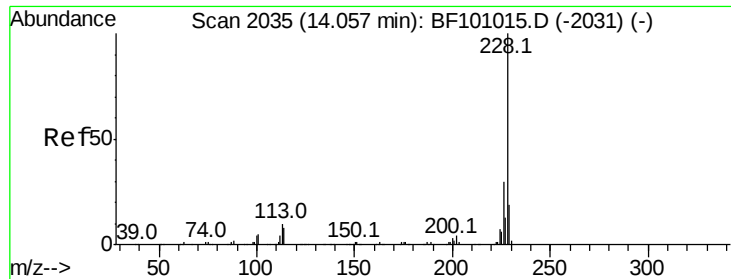
Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

229 21.3 15.8 23.6





#82

Chrysene

Concen: 4.252 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

Instrument :

BNA_F

ClientSampleId :

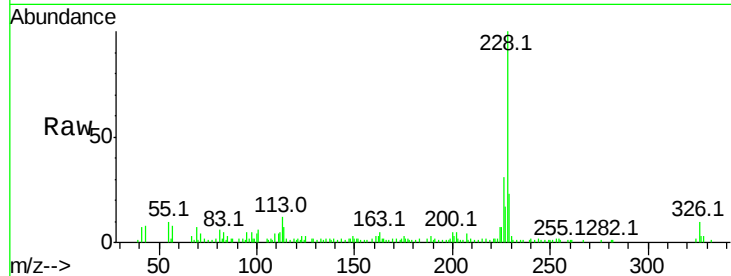
Tot Ion:228 Resp: 33207

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.6	16.2	24.4

228 100

226 31.1 25.0 37.6

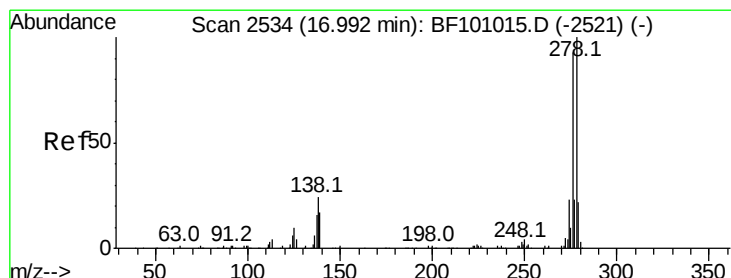
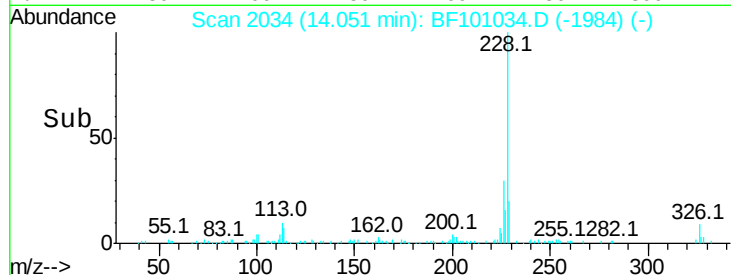
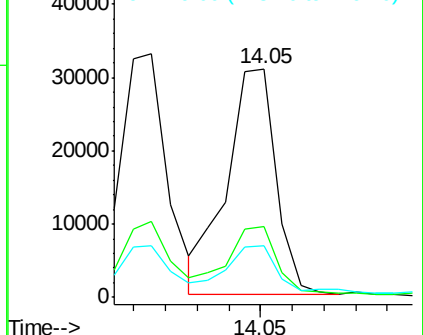
229 22.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.082 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF101034.D

Acq: 30 Nov 2017 22:52

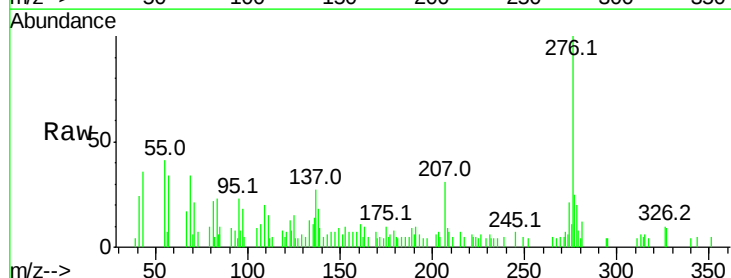
Tgt Ion:276 Resp: 14458

Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.0	37.6#
277	29.3	20.1	30.1

276 100

138 24.7 25.0 37.6#

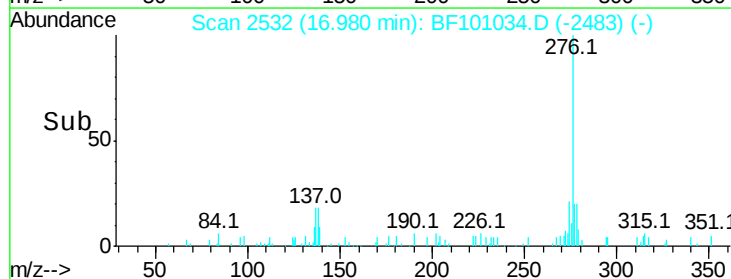
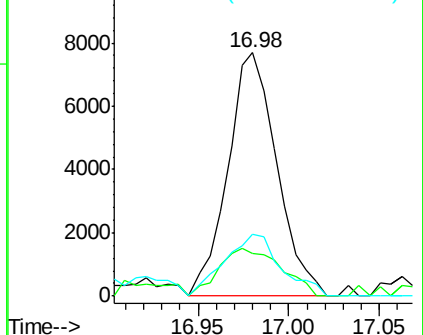
277 29.3 20.1 30.1

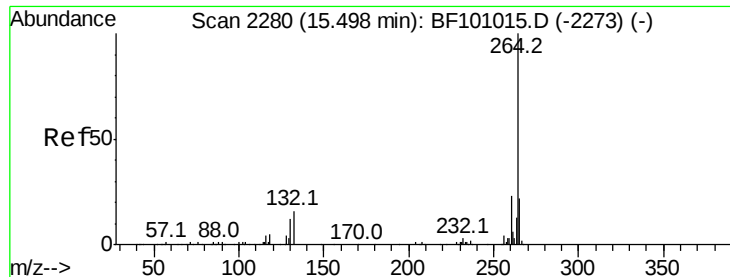


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

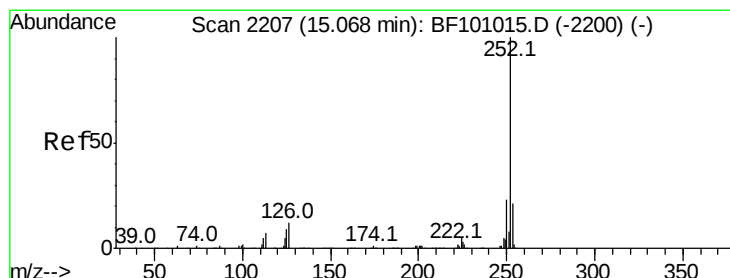
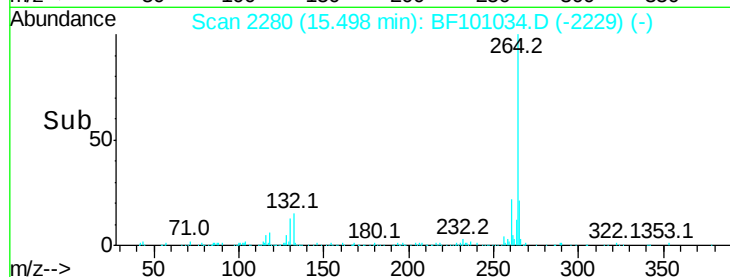
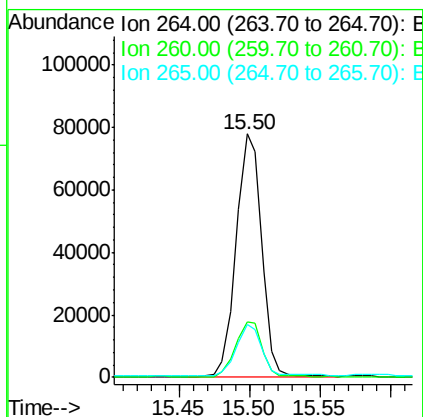
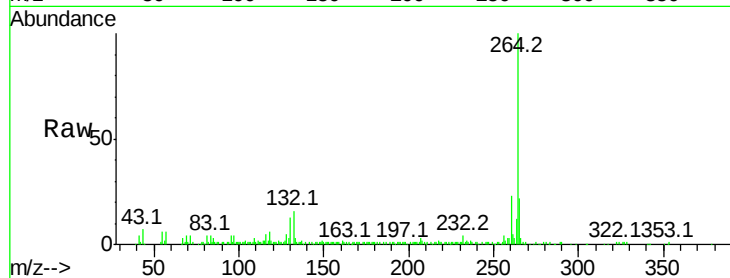




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

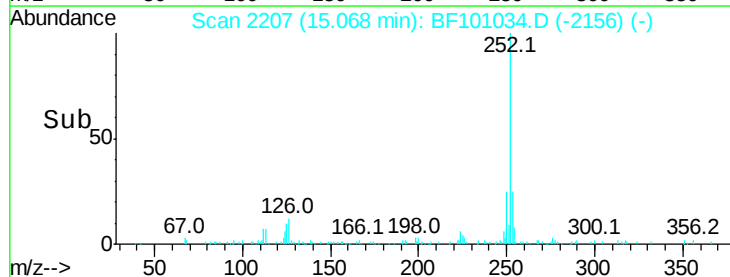
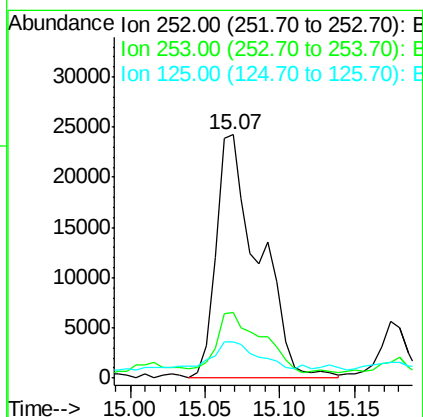
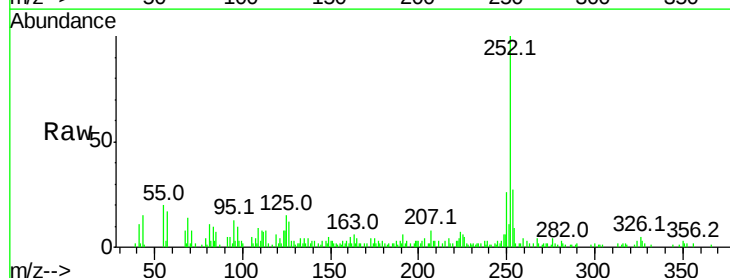
Instrument :
 BNA_F
 ClientSampled :

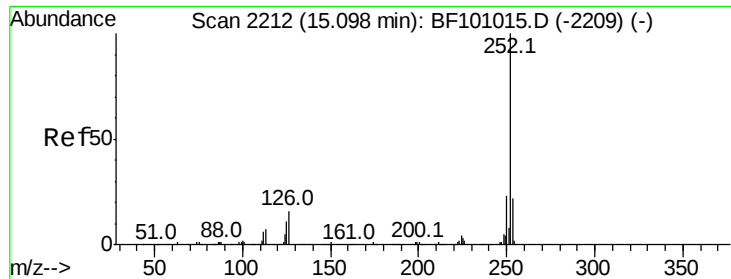
Tot Ion:264 Resp: 98686
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 22.0 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 8.129 ng
 RT: 15.07 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

Tgt Ion:252 Resp: 48052
 Ion Ratio Lower Upper
 252 100
 253 27.2 17.0 25.6#
 125 14.8 9.0 13.6#

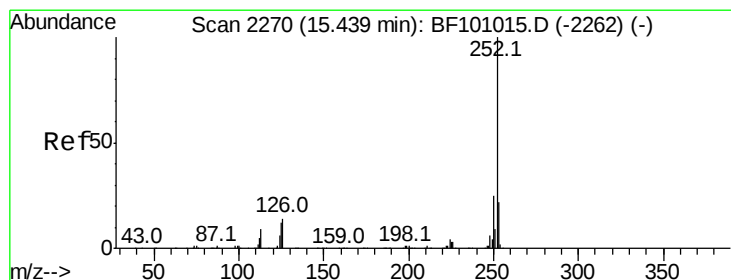
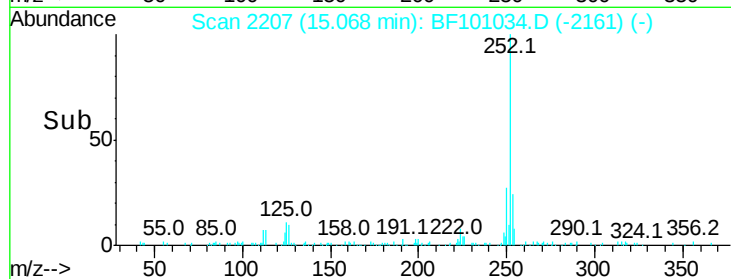
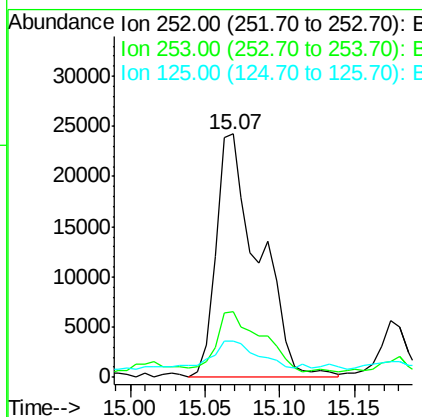
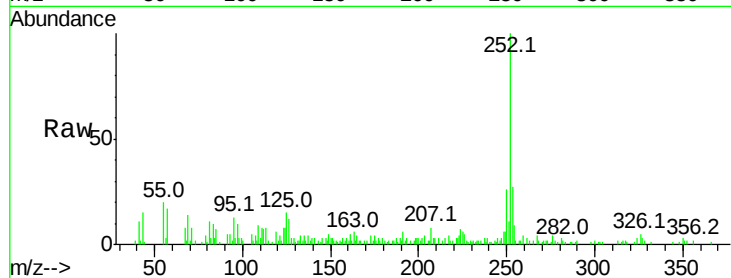




#88
Benzo(k)fluoranthene
Concen: 8.251 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

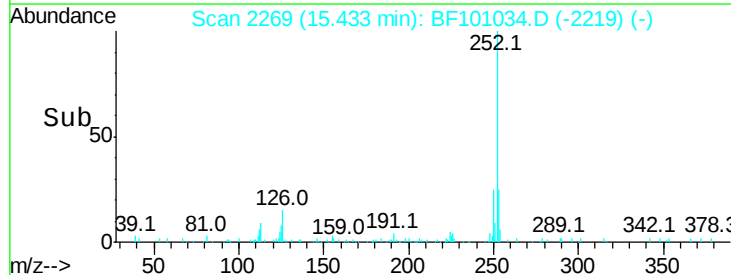
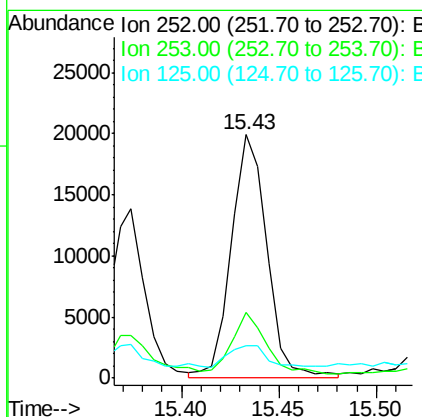
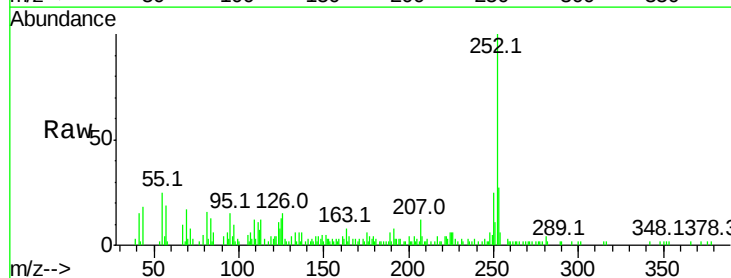
Instrument :
BNA_F
ClientSampleId :

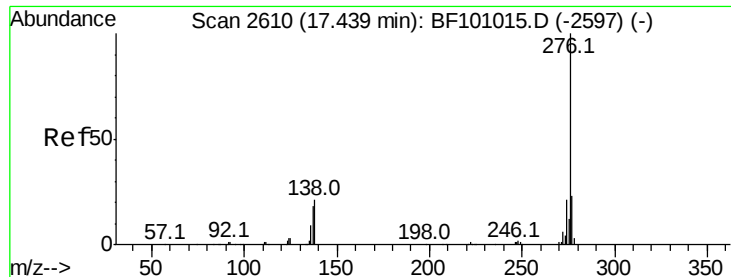
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	14.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.717 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101034.D
Acq: 30 Nov 2017 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.1	25.7#
125	13.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.151 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF101034.D
 Acq: 30 Nov 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 14070
 Ion Ratio Lower Upper
 276 100
 277 30.1 17.9 26.9#
 138 16.7 21.8 32.8#

