

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101181.D
 Acq On : 6 Dec 2017 21:19
 Operator : SJ/JU
 Sample : I6640-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(0-2)-20171129

Quant Time: Dec 06 23:53:05 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	43479	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	162010	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	67553	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	110903	20.00	ng	0.00
75) Chrysene-d12	14.02	240	102199	20.00	ng	0.00
86) Perylene-d12	15.50	264	95651	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	136235	51.78	ng	0.00
7) Phenol-d6	6.47	99	156871	49.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	94100	34.65	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	31787	39.17	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	204704	41.46	ng	0.00
78) Terphenyl-d14	12.96	244	147030	31.47	ng	0.00

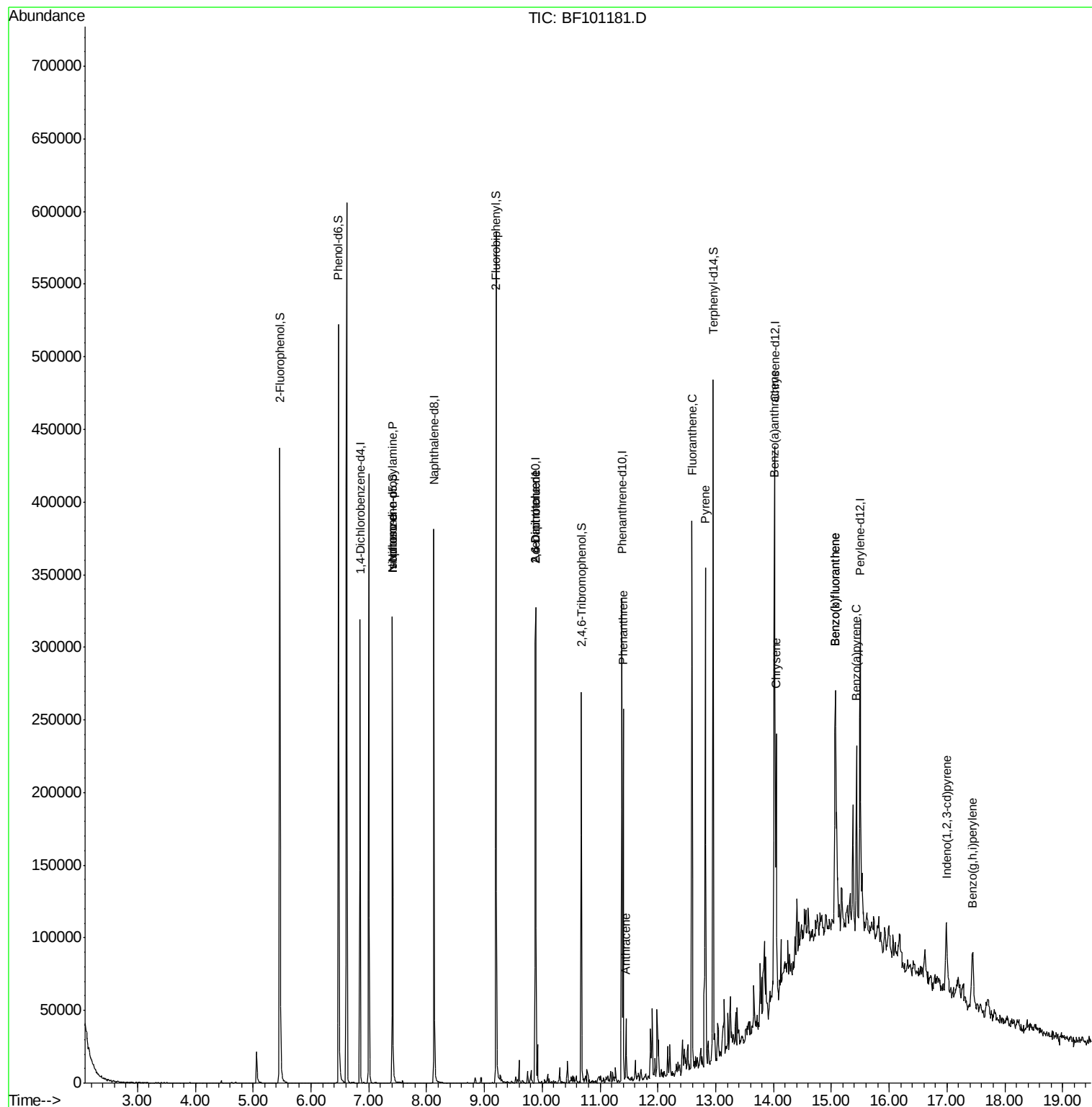
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	12312	5.723	ng	# 86
25) Isophorone	7.41	82	94099	20.284	ng	# 64
50) 2,6-Dinitrotoluene	9.88	165	8609	7.503	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	8609	5.598	ng	# 21
70) Phenanthrene	11.40	178	85452	13.992	ng	98
71) Anthracene	11.45	178	17911	2.898	ng	99
74) Fluoranthene	12.59	202	142396	21.034	ng	94
77) Pyrene	12.82	202	136711	19.386	ng	97
80) Benzo(a)anthracene	14.01	228	77025	11.937	ng	98
82) Chrysene	14.04	228	68268	11.392	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	30825	5.786	ng	90
87) Benzo(b)fluoranthene	15.07	252	111384	19.441	ng	95
88) Benzo(k)fluoranthene	15.07	252	111384	19.733	ng	95
89) Benzo(a)pyrene	15.44	252	58147	11.164	ng	96
91) Benzo(a,h,i)perylene	17.44	276	30854	7.130	ng	# 91

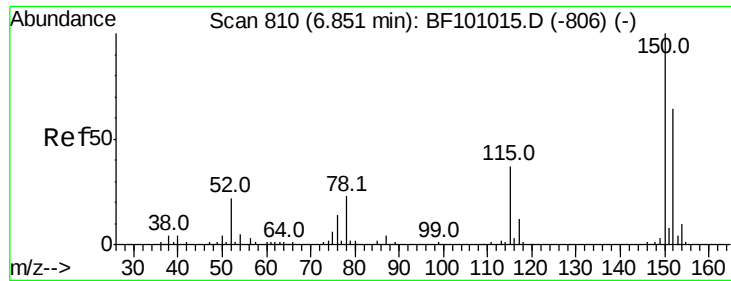
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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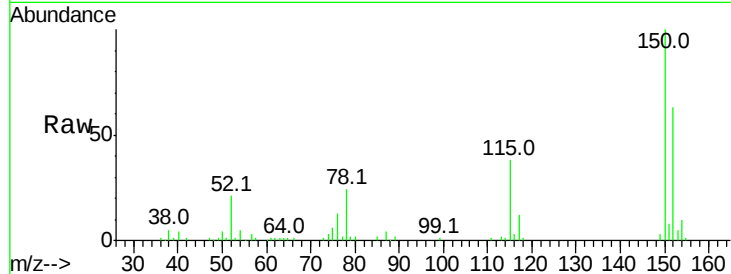


#1

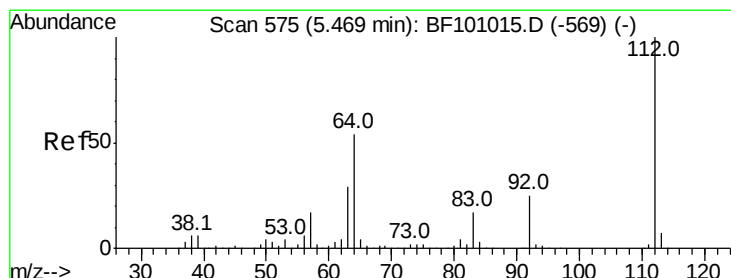
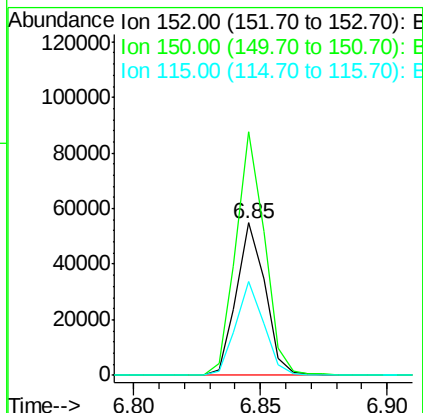
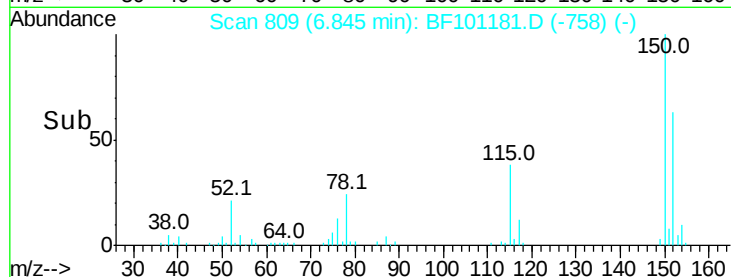
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Instrument :
BNA_F
ClientSampleId :
SB-11(0-2)-20171129

Tot Ion:152 Resp: 43479
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 61.2 50.1 75.1



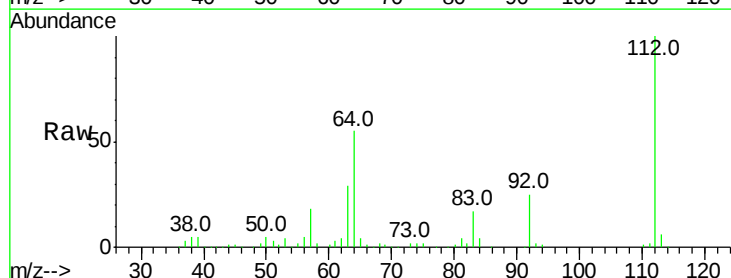
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



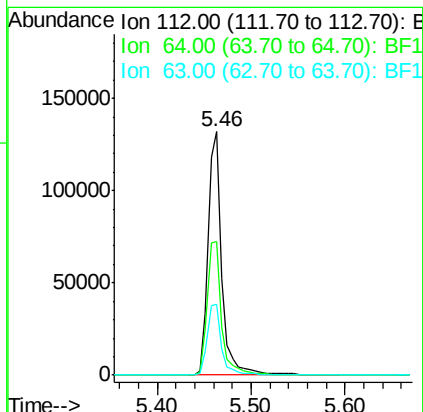
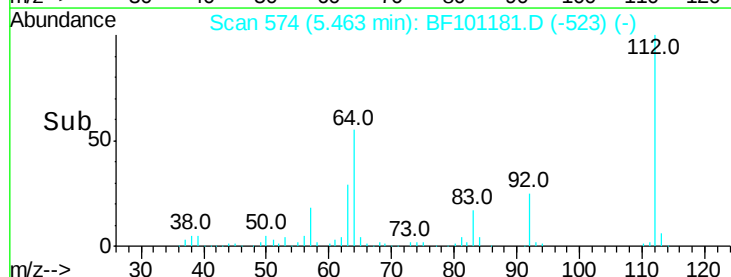
#5

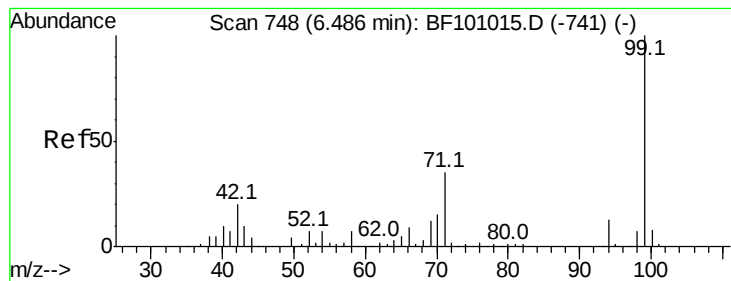
2-Fluorophenol
Concen: 51.777 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Tgt Ion:112 Resp: 136235
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 29.2 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: 49.106 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

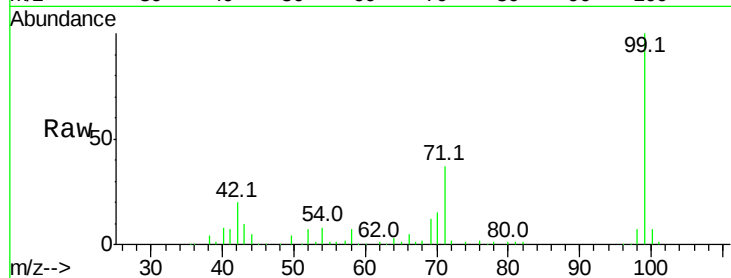
Tot Ion: 99 Resp: 156871

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

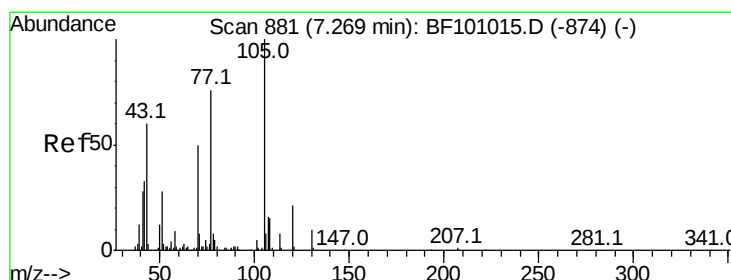
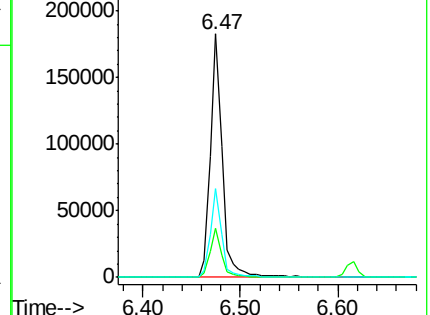
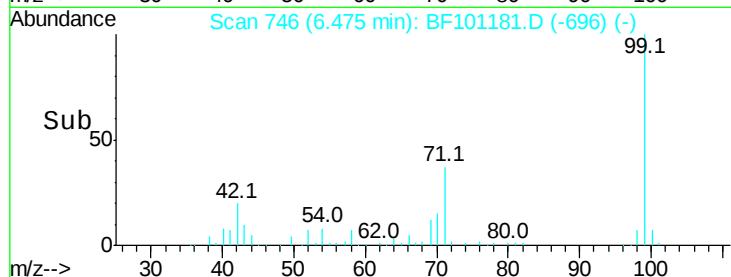
71 36.6 25.4 38.0



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: 5.723 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Tgt Ion: 70 Resp: 12312

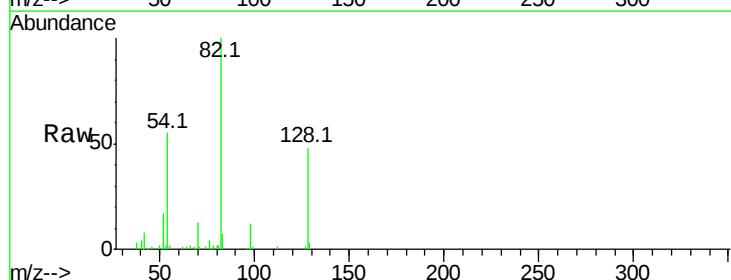
Ion Ratio Lower Upper

70 100

42 60.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

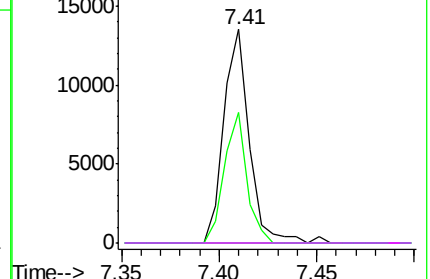
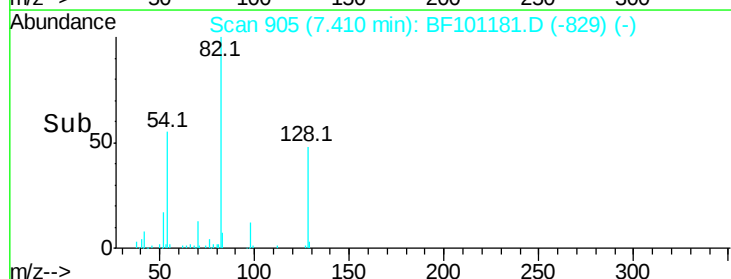


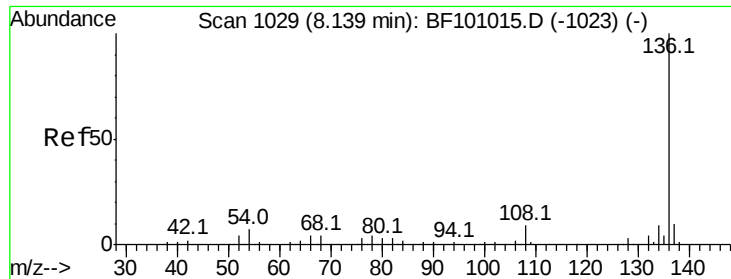
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

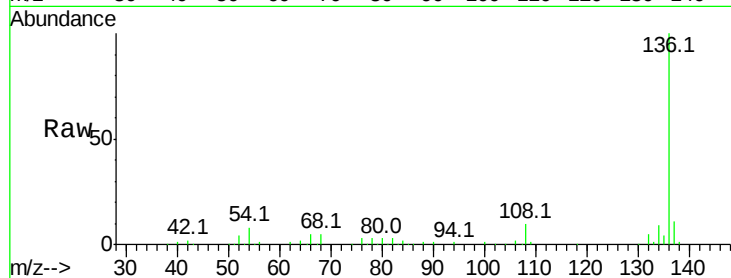




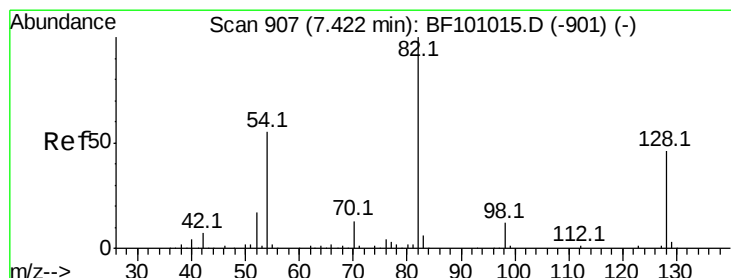
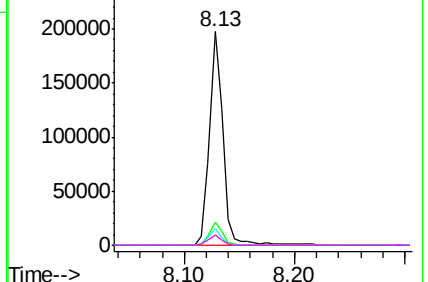
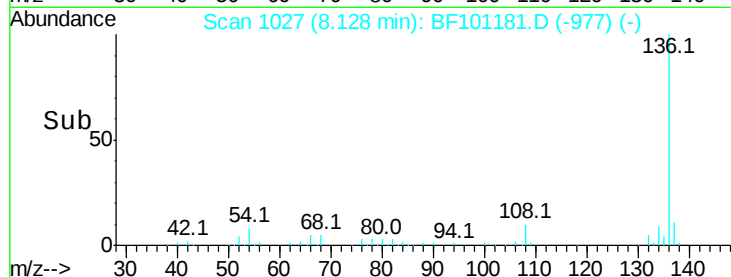
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Instrument :
BNA_F
ClientSampleId :
SB-11(0-2)-20171129

Tot Ion:	136	Resp:	162010
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.8	6.6	9.8
68	4.5	5.0	7.4#

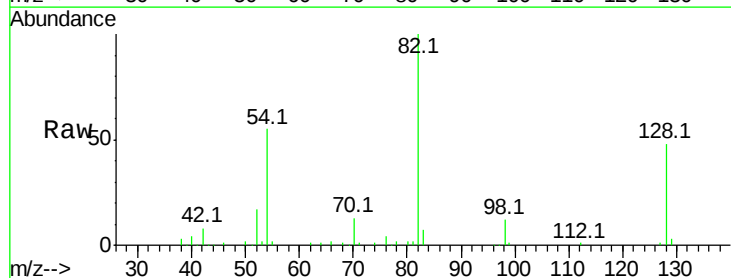


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

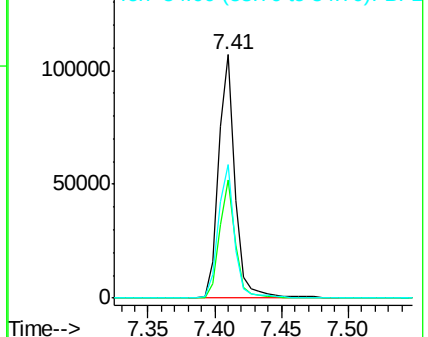
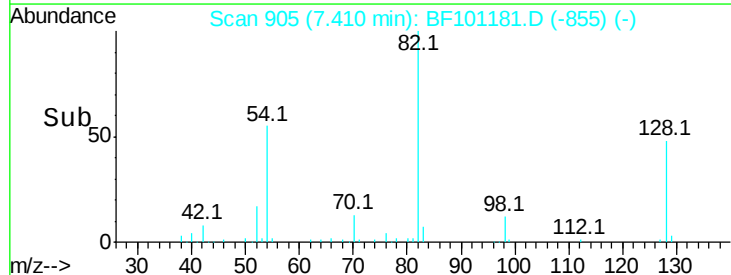


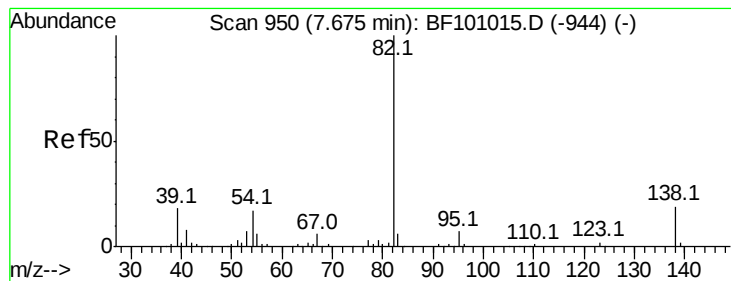
#23
Nitrobenzene-d5
Concen: 34.648 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Tgt Ion:	82	Resp:	94100
Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	54.8	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: 20.284 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

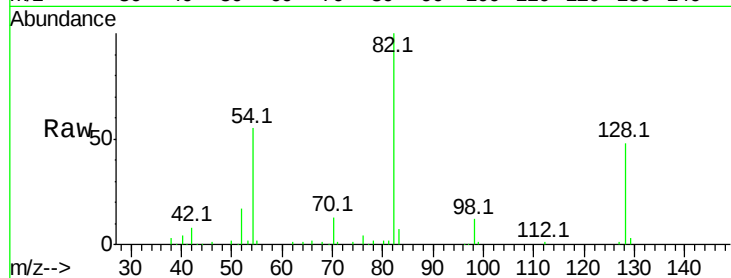
Tot Ion: 82 Resp: 94099

Ion Ratio Lower Upper

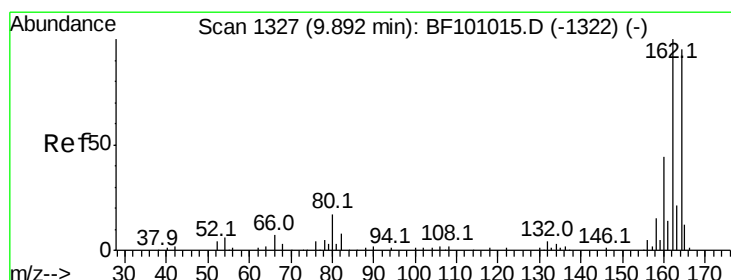
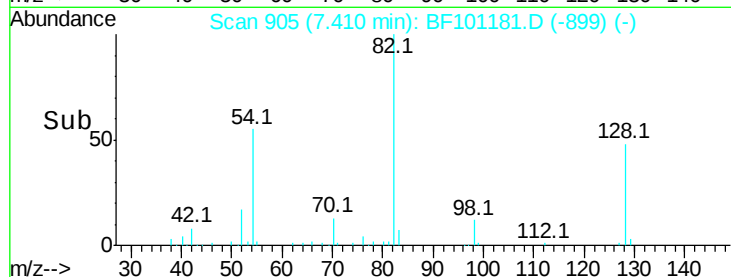
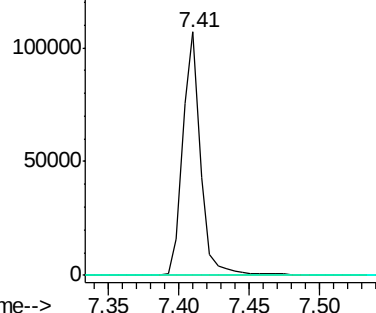
82 100

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# 1326

Delta R.T. 0.00 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

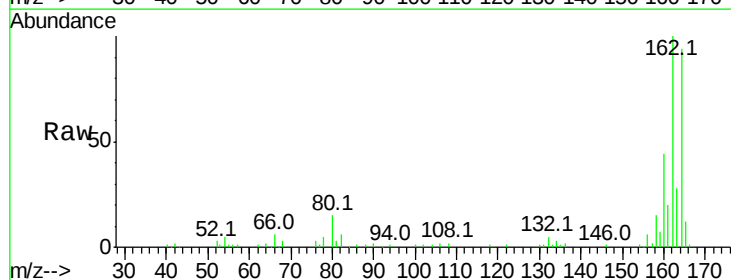
Tgt Ion:164 Resp: 67553

Ion Ratio Lower Upper

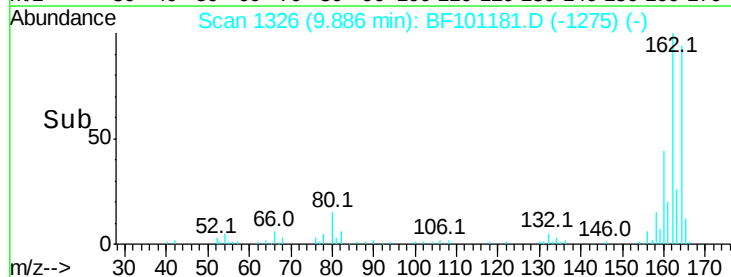
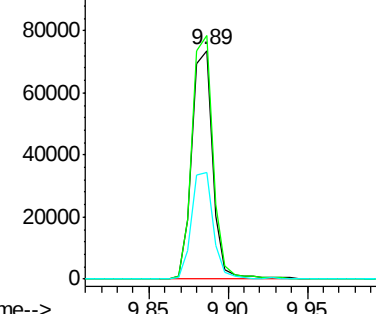
164 100

162 106.4 86.1 129.1

160 46.7 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

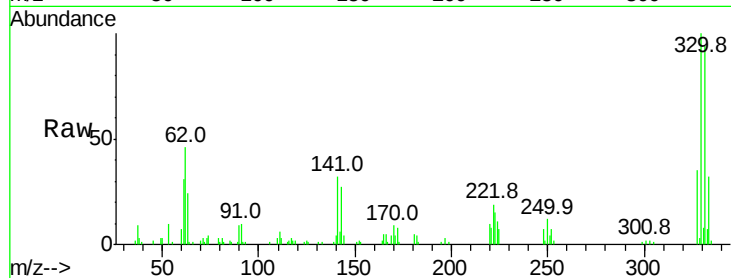




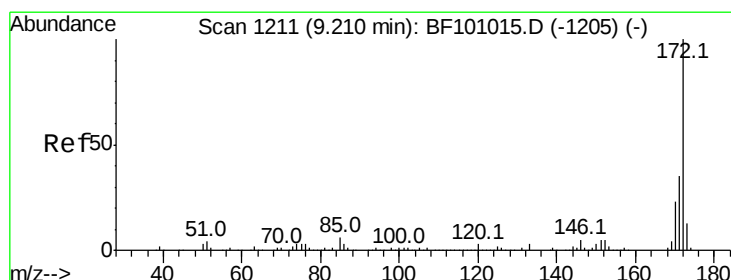
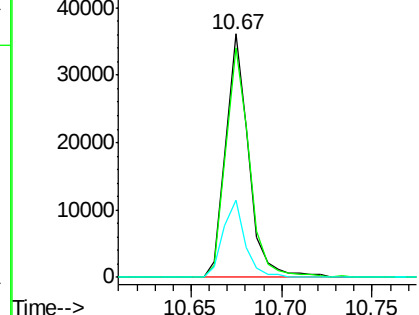
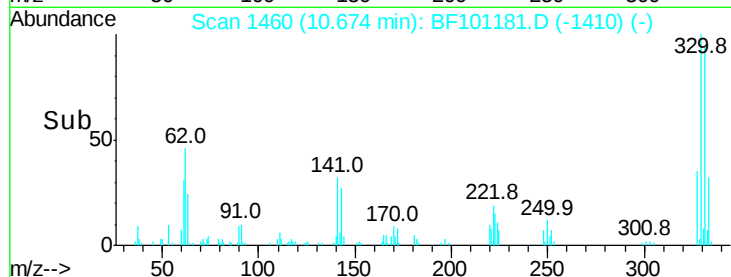
#41
 2,4,6-Tribromophenol
 Concen: 39.170 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(0-2)-20171129

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	30.4	29.9	44.9

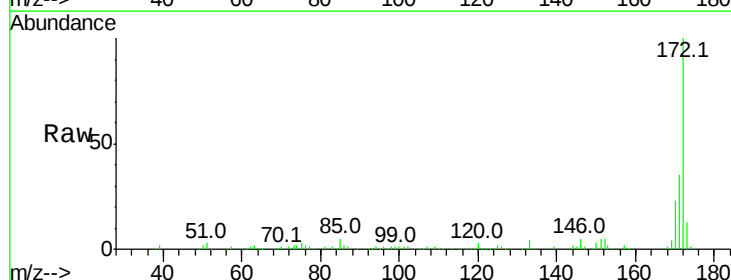


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

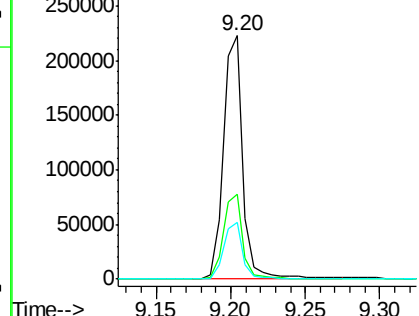
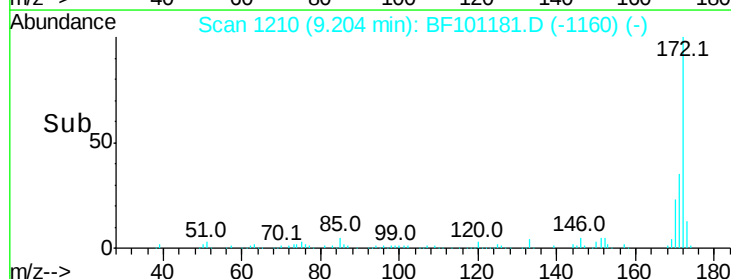


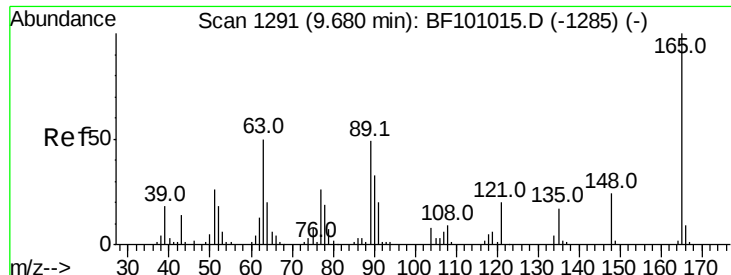
#44
 2-Fluorobiphenyl
 Concen: 41.460 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	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

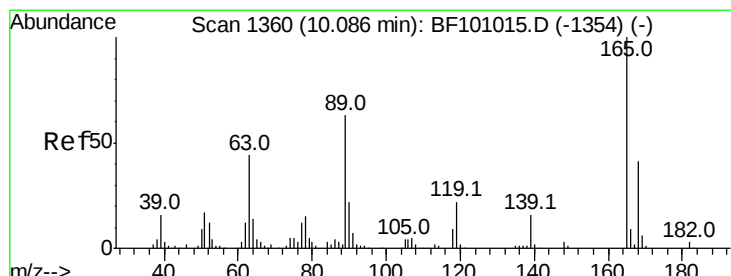
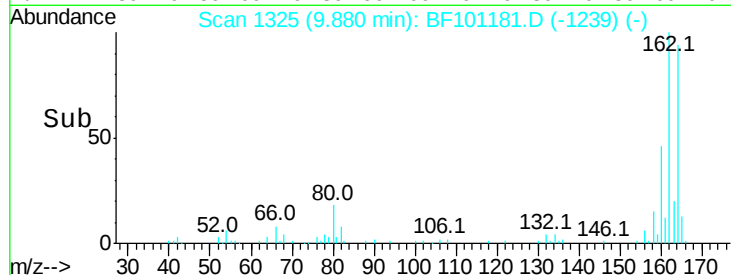
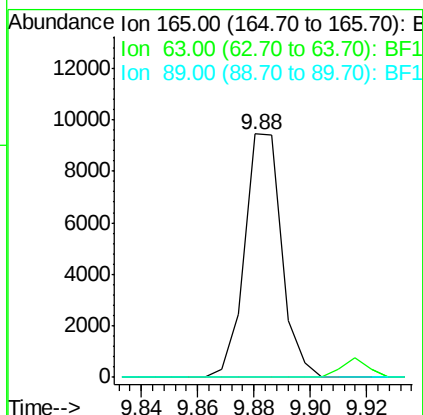
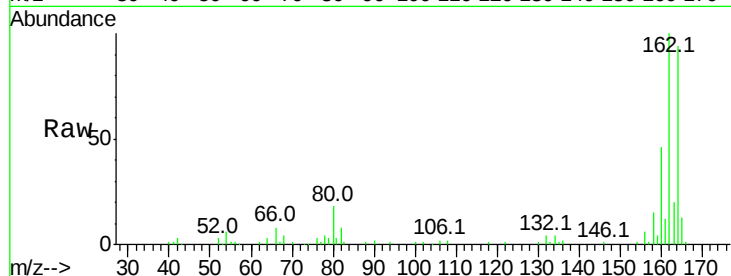




#50
 2,6-Dinitrotoluene
 Concen: 7.503 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

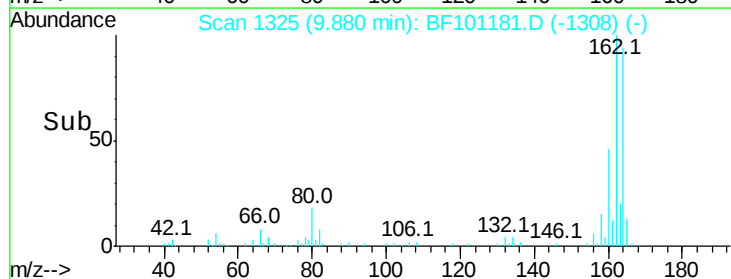
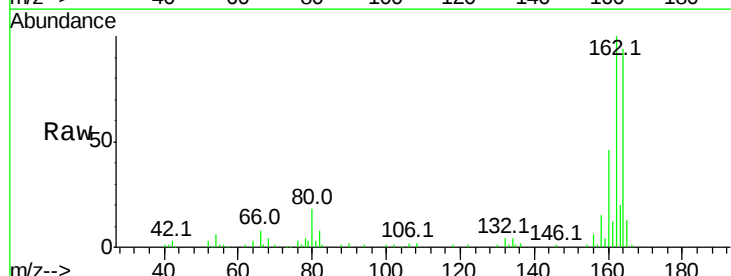
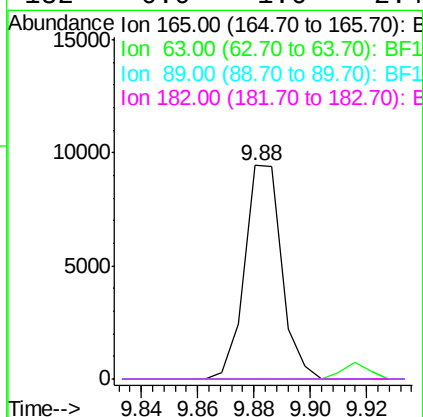
Instrument :
 BNA_F
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 SB-11(0-2)-20171129

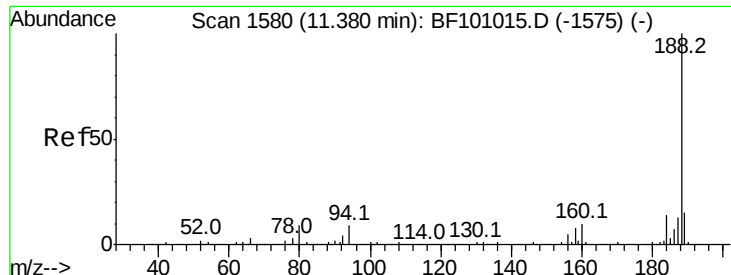
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.598 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Tgt 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#

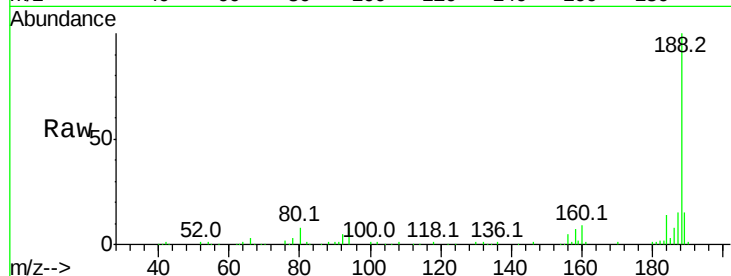




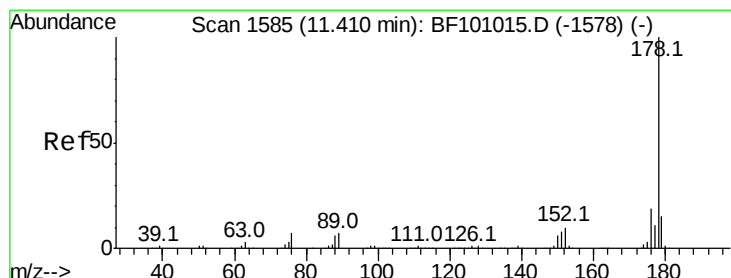
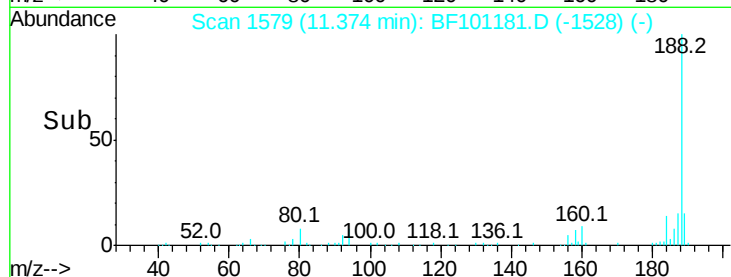
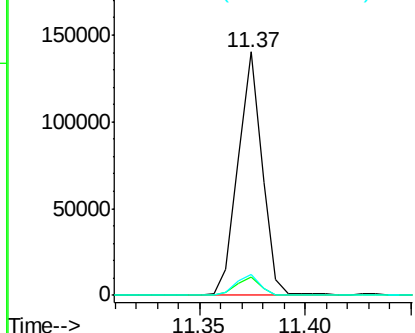
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Instrument :
BNA_F
ClientSampleId :
SB-11(0-2)-20171129

Tot Ion:188 Resp: 110903
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.4 9.2 13.8#

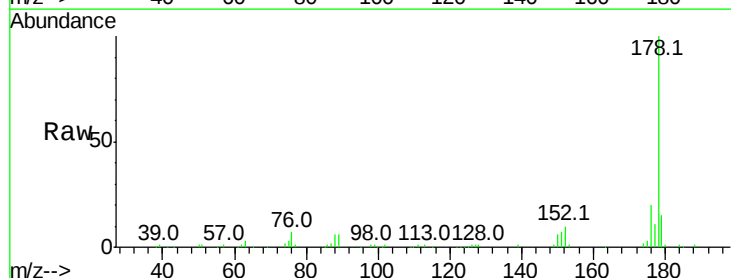


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

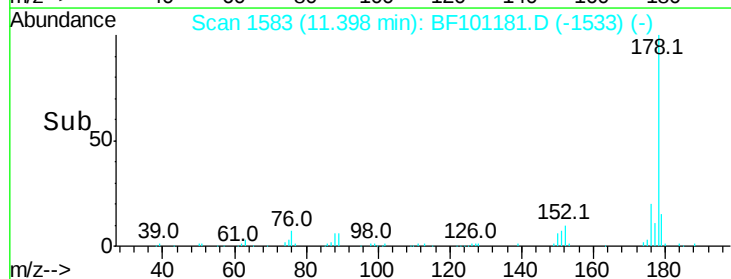
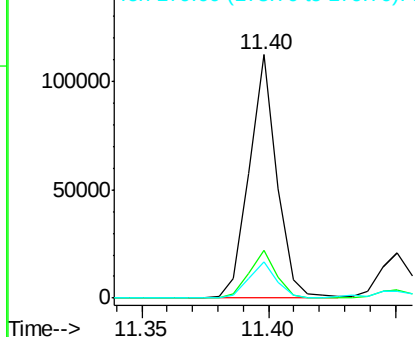


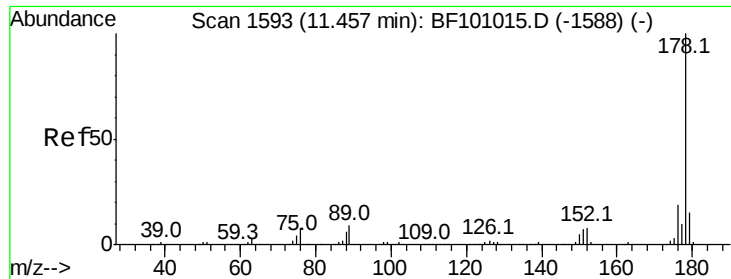
#70
Phenanthrene
Concen: 13.992 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Tgt Ion:178 Resp: 85452
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.1 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

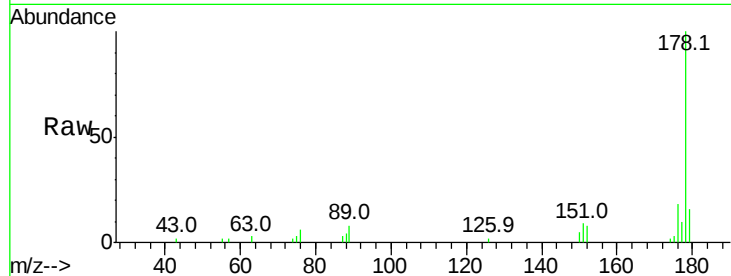




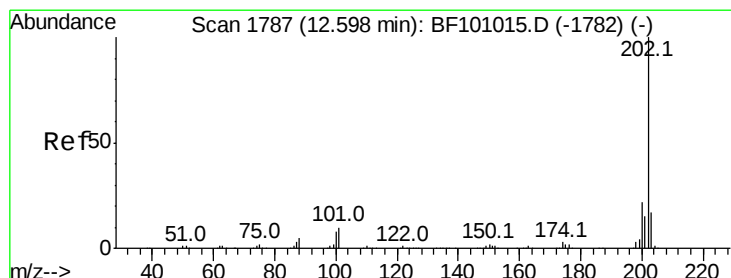
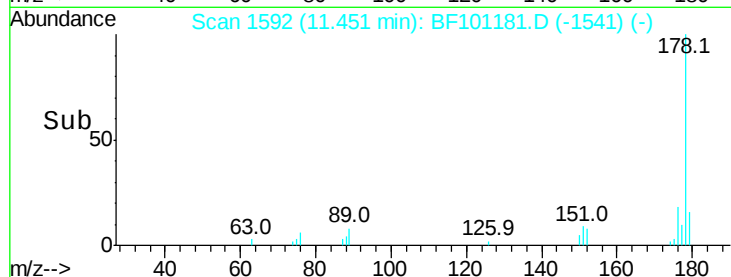
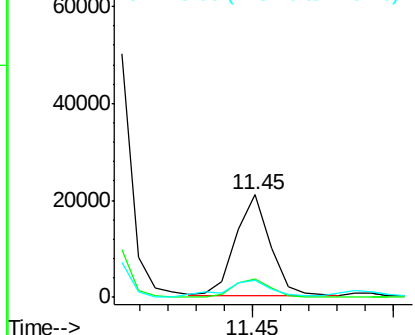
#71
 Anthracene
 Concen: 2.898 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(0-2)-20171129

Tot Ion:178 Resp: 17911
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.0 12.6 19.0

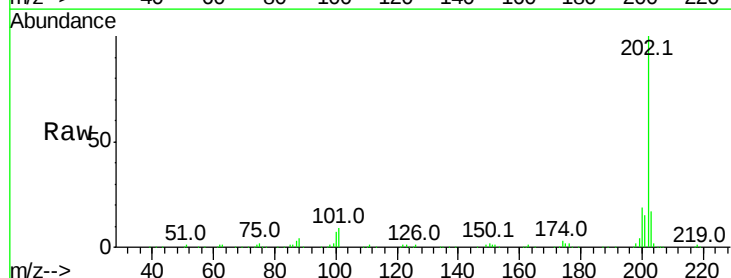


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

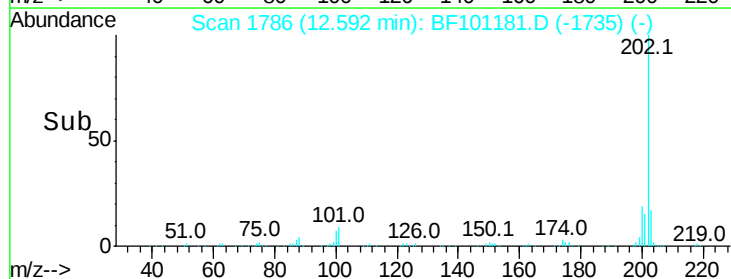
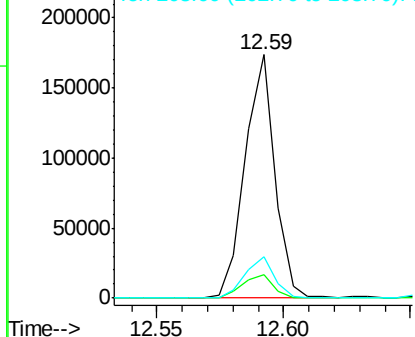


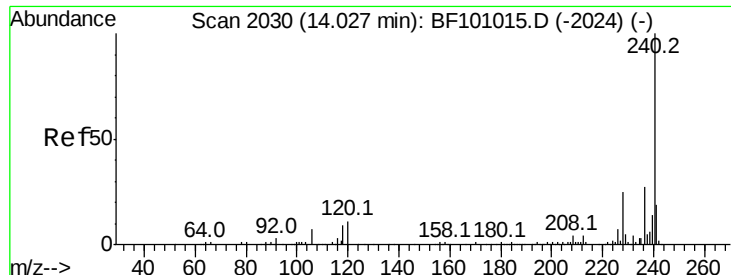
#74
 Fluoranthene
 Concen: 21.034 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Tgt Ion:202 Resp: 142396
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 34.1
 203 17.1 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. 0.00 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

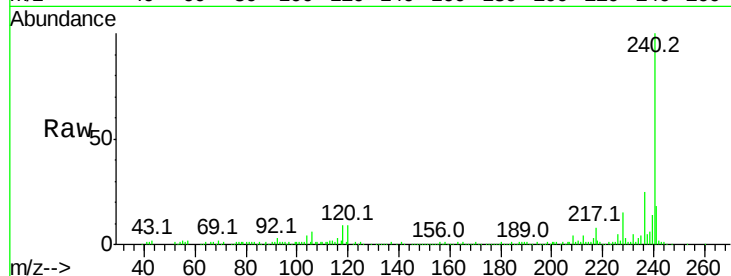
Tot Ion:240 Resp: 102199

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

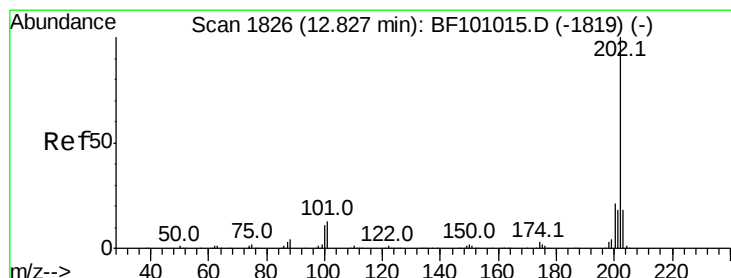
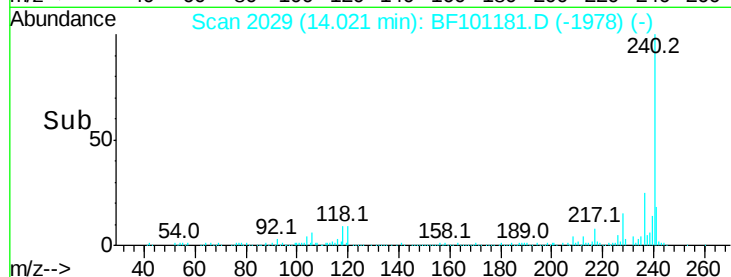
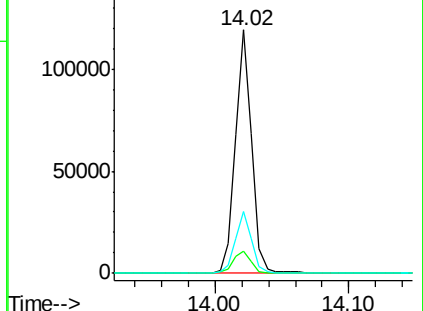
236 25.2 20.7 31.1



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: 19.386 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

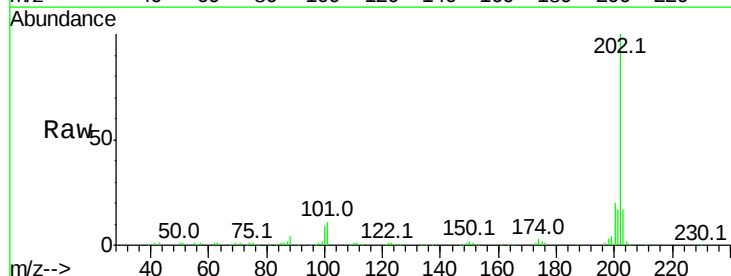
Tgt Ion:202 Resp: 136711

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

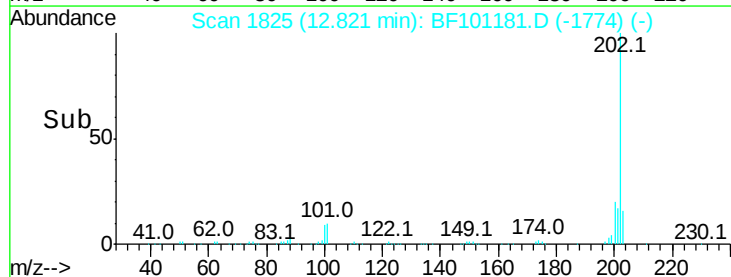
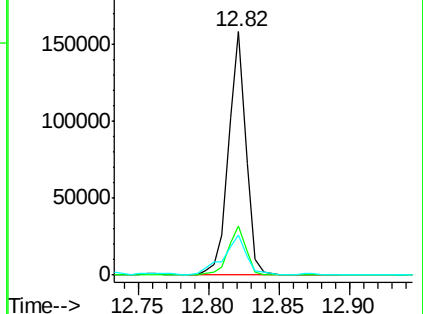
203 16.6 14.3 21.5

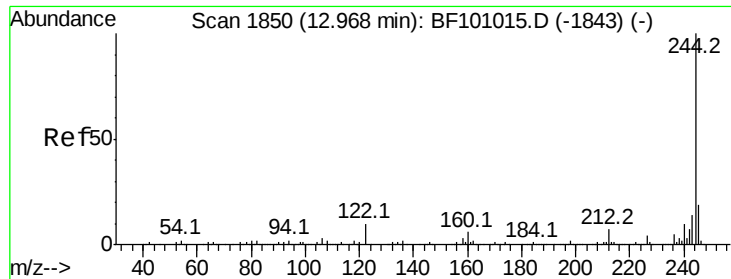


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.467 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

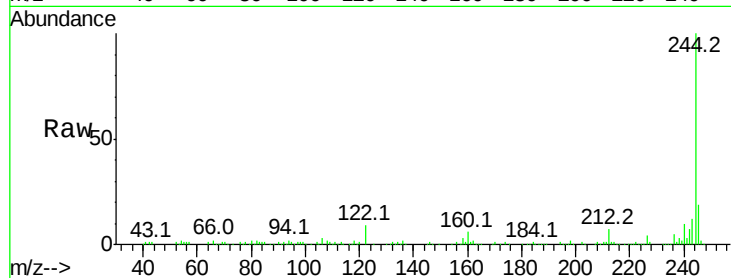
Tot Ion:244 Resp: 147030

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

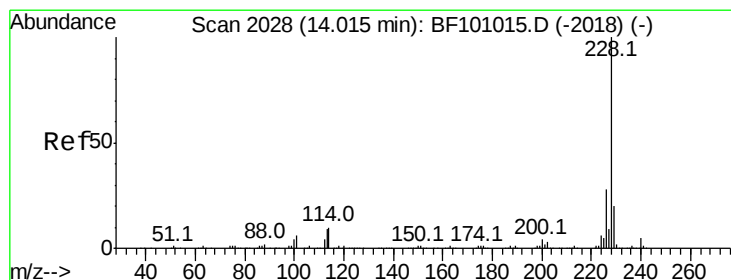
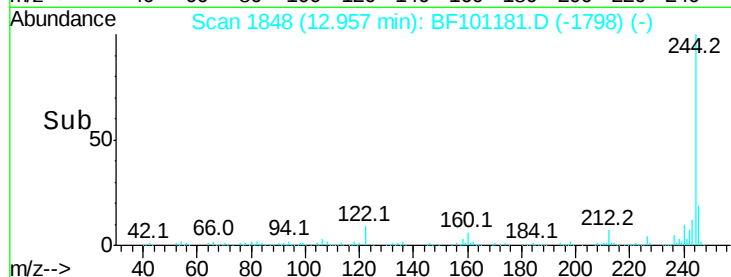
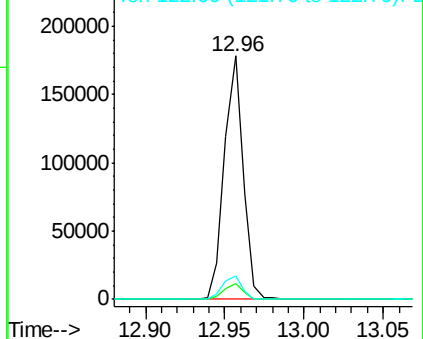
122 9.4 11.0 16.4#



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: 11.937 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

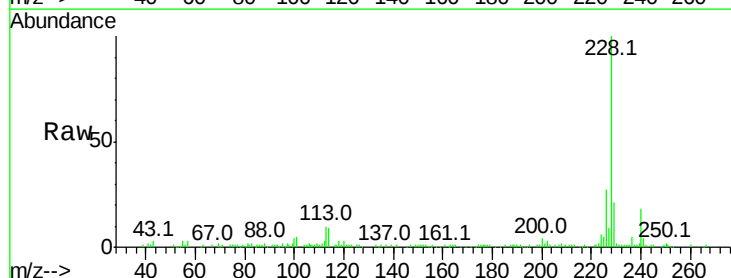
Tgt Ion:228 Resp: 77025

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

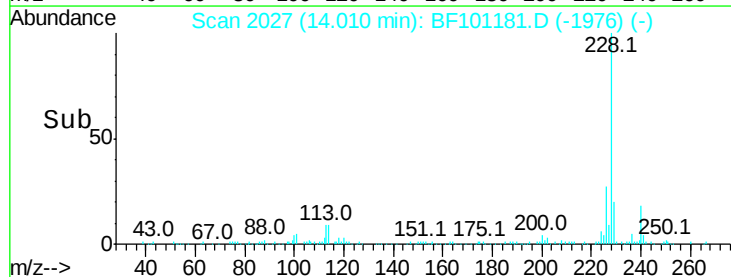
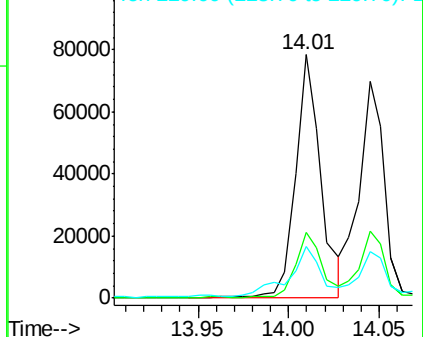
229 21.0 15.8 23.6

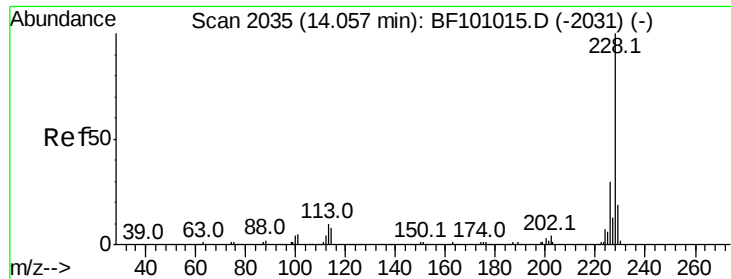


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.392 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

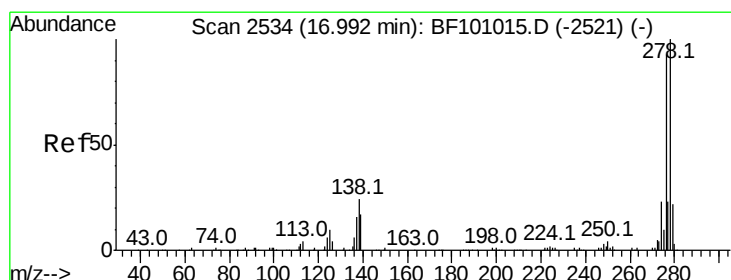
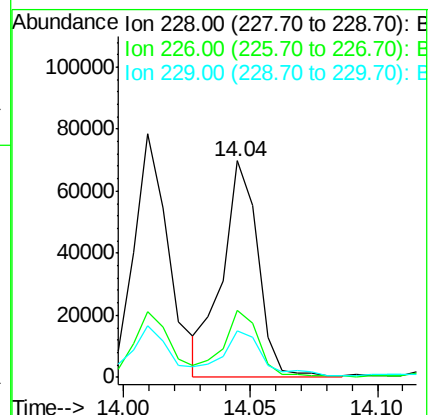
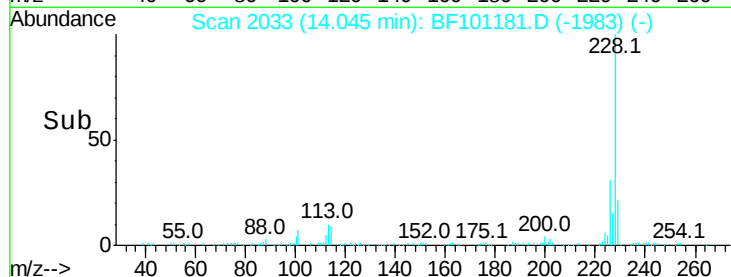
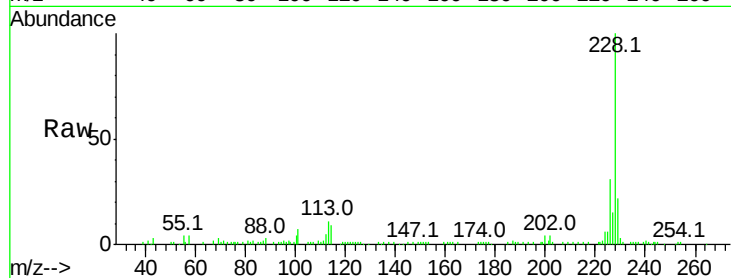
Tot Ion:228 Resp: 68268

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

229 21.8 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.786 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

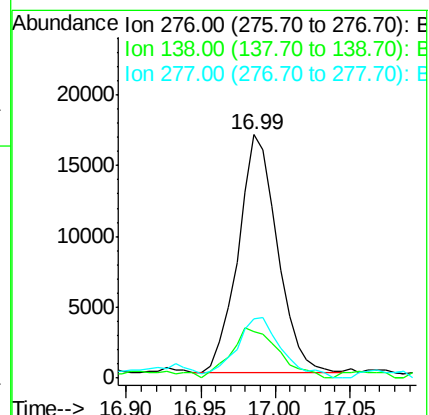
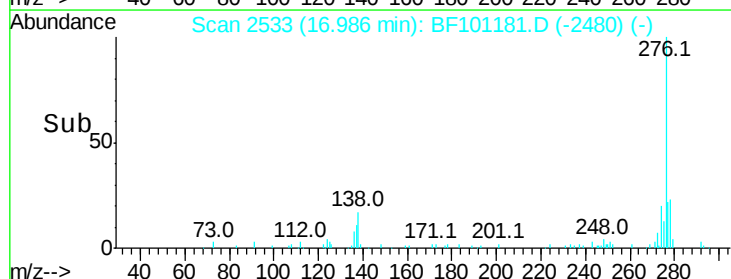
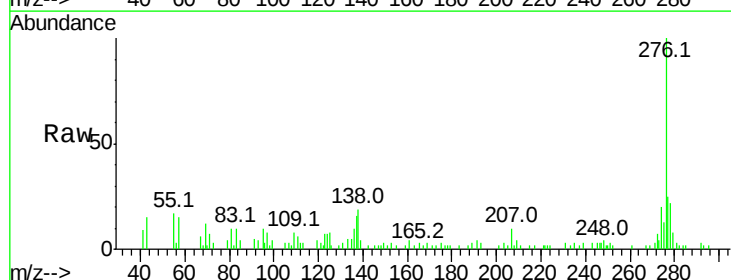
Tgt Ion:276 Resp: 30825

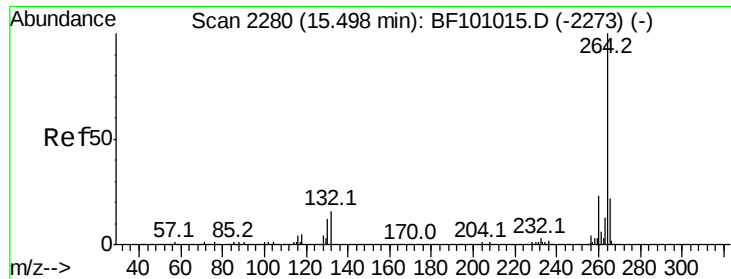
Ion Ratio Lower Upper

276 100

138 25.2 25.0 37.6

277 29.2 20.1 30.1



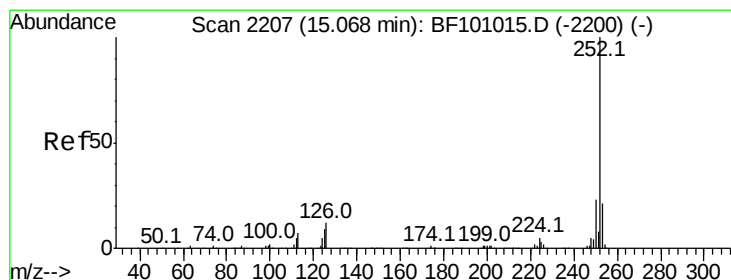
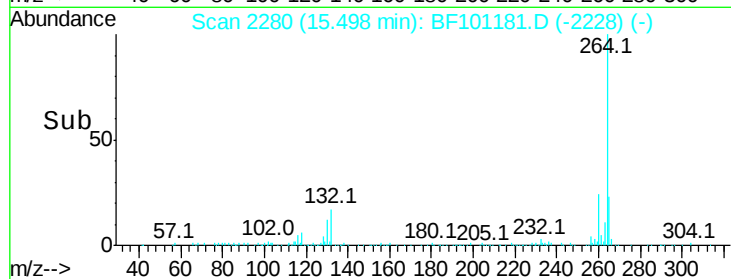
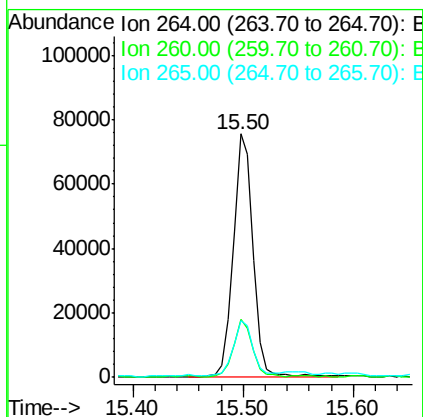
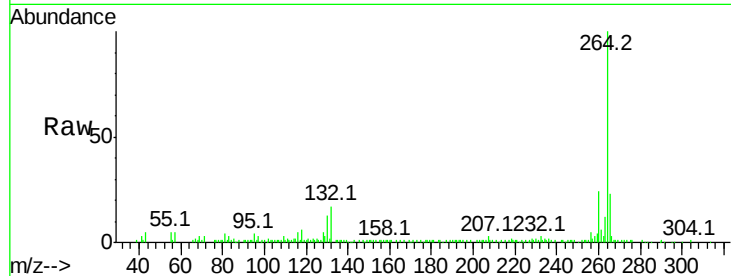


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Instrument :
BNA_F
ClientSampleId :
SB-11(0-2)-20171129

Tot Ion:264 Resp: 95651

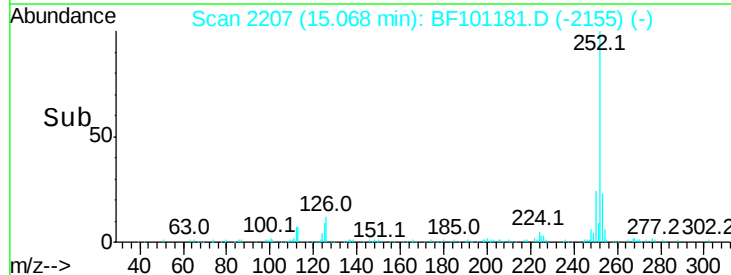
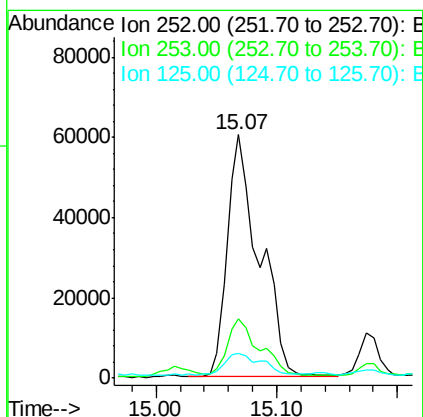
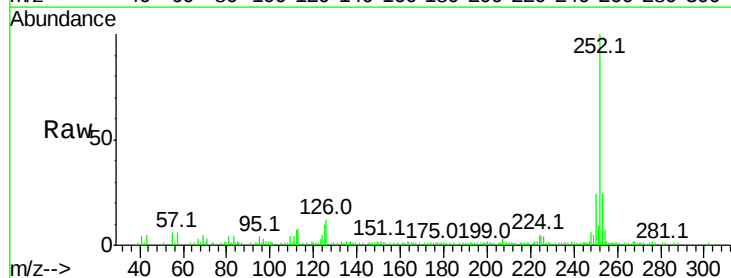
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.0	17.5	26.3

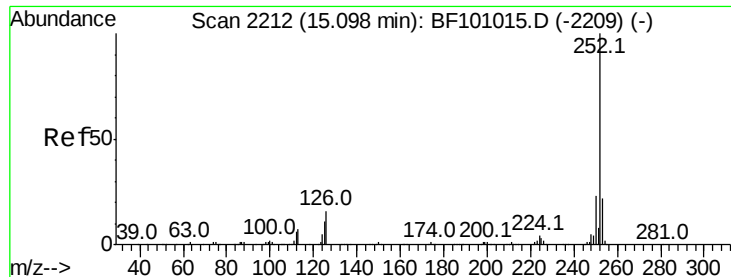


#87
Benzo(b)fluoranthene
Concen: 19.441 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101181.D
Acq: 6 Dec 2017 21:19

Tgt Ion:252 Resp: 111384

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	10.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 19.733 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

Instrument :

BNA_F

ClientSampleId :

SB-11(0-2)-20171129

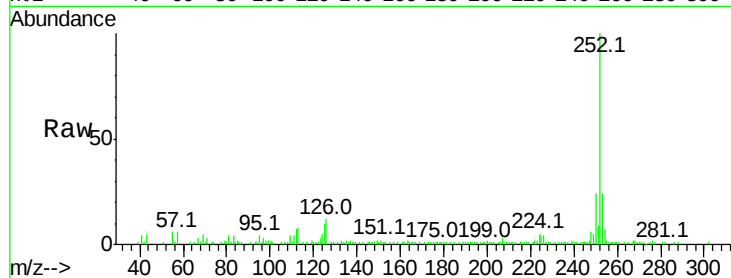
Tot Ion:252 Resp: 111384

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

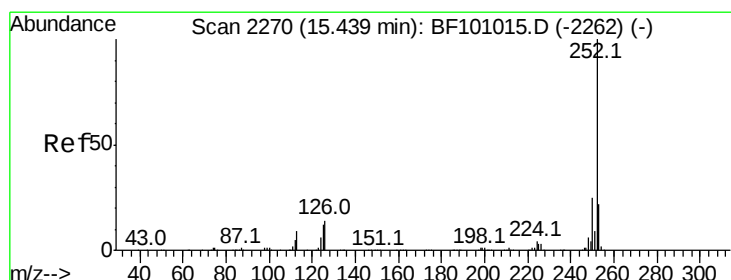
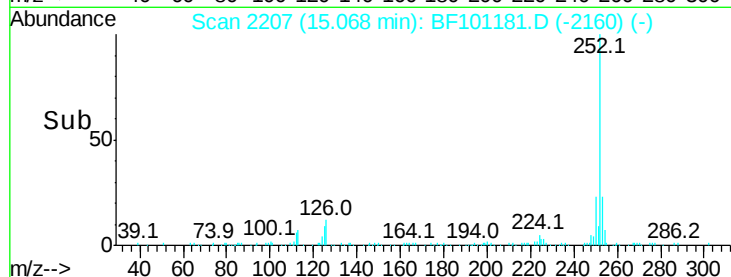
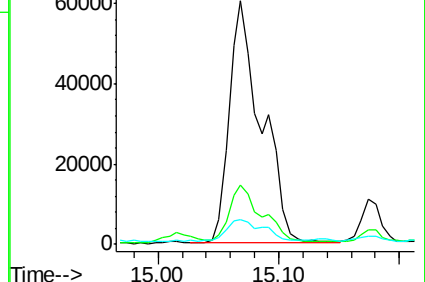
125 10.3 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 11.164 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101181.D

Acq: 6 Dec 2017 21:19

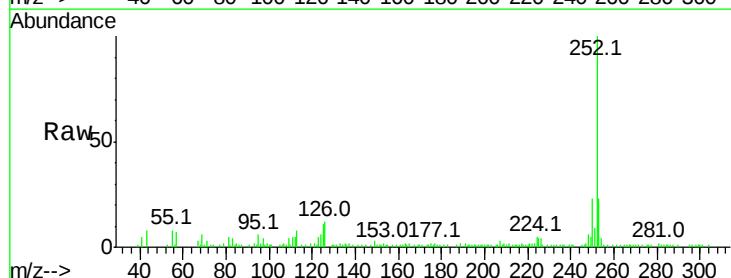
Tgt Ion:252 Resp: 58147

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

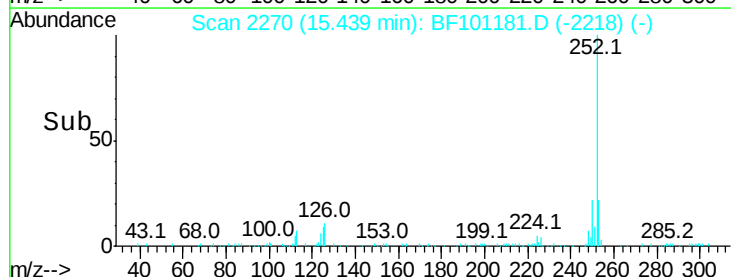
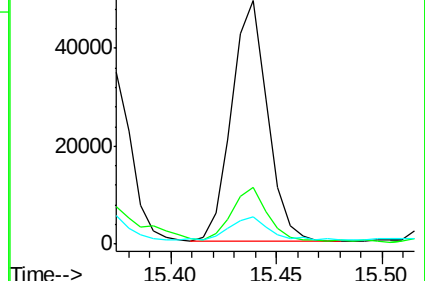
125 11.2 9.8 14.6

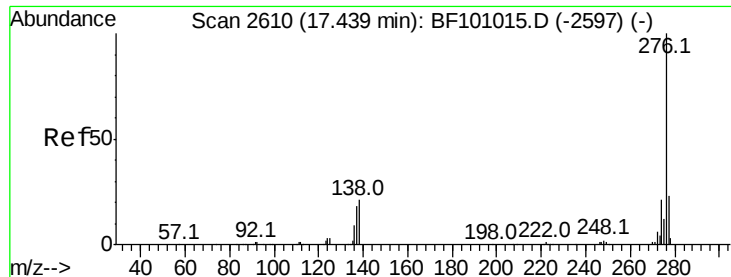


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

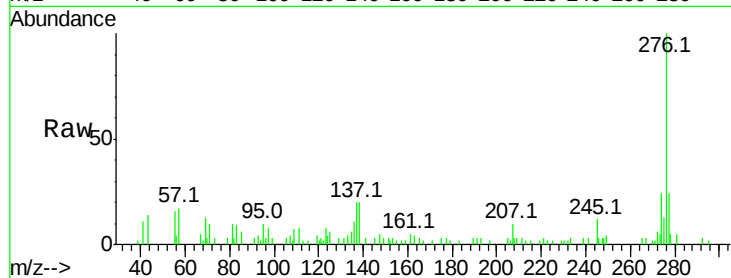




#91
 Benzo(a,h,i)perylene
 Concen: 7.130 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.02 min
 Lab File: BF101181.D
 Acq: 6 Dec 2017 21:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(0-2)-20171129

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	19.7	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

