

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101104.D
 Acq On : 4 Dec 2017 18:02
 Operator : SJ/JU
 Sample : I6697-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:21:29 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	52985	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	203269	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	87665	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	139760	20.00	ng	0.00
75) Chrysene-d12	14.02	240	121205	20.00	ng	0.00
86) Perylene-d12	15.50	264	108518	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	354218	110.47	ng	0.01
7) Phenol-d6	6.49	99	421052	108.16	ng	0.00
23) Nitrobenzene-d5	7.42	82	258890	75.98	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	91607	86.99	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	462454	72.18	ng	0.00
78) Terphenyl-d14	12.96	244	321825	58.08	ng	0.00

Target Compounds

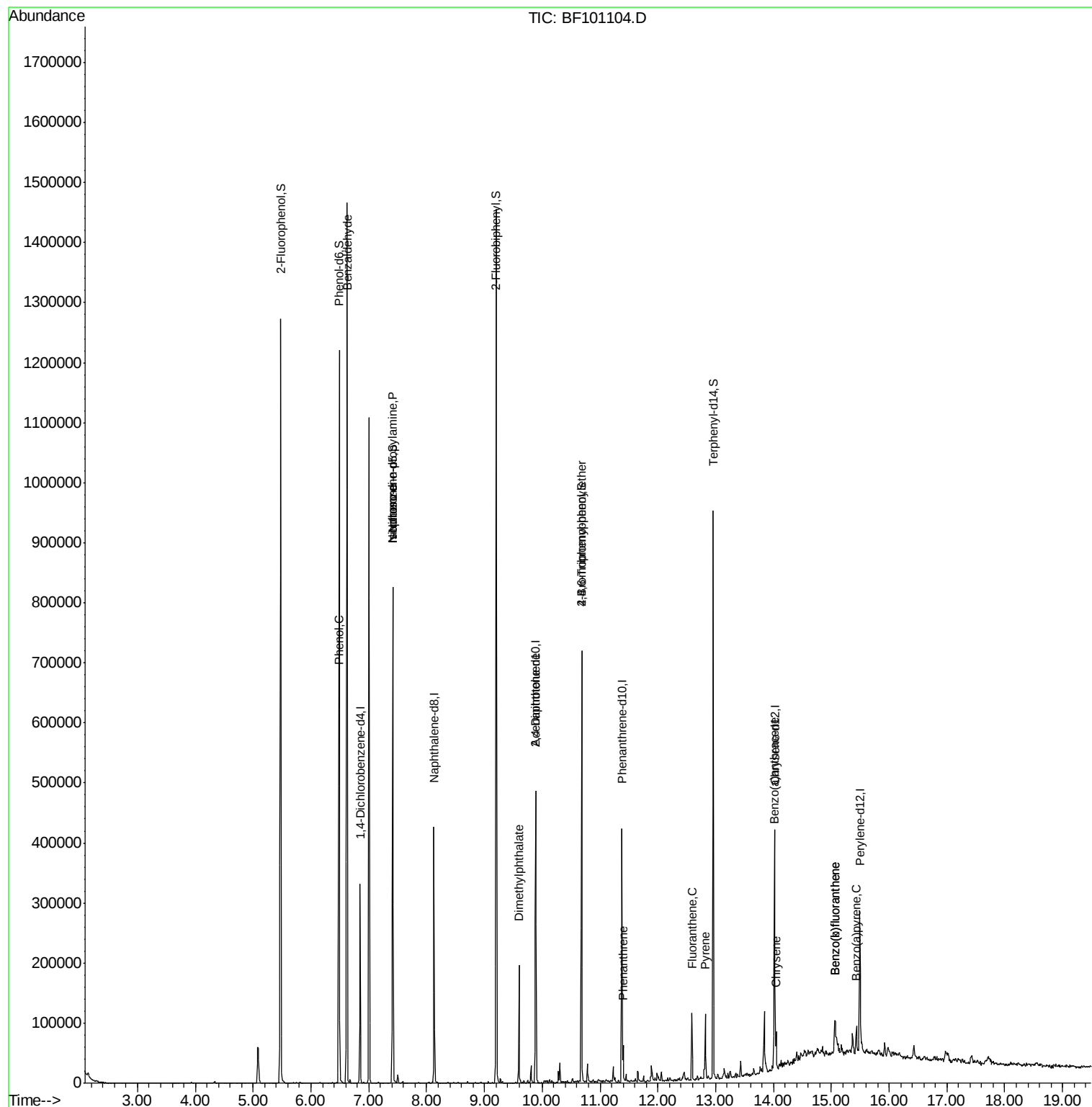
						Qvalue
9) Benzaldehyde	6.62	77	7775	3.263	ng	82
10) Phenol	6.50	94	14214	3.284	ng	96
19) n-Nitroso-di-n-propylamine	7.42	70	34918	13.319	ng	# 80
25) Isophorone	7.42	82	258888	44.479	ng	# 64
49) Dimethylphthalate	9.60	163	72189	10.211	ng	98
56) 2,4-Dinitrotoluene	9.89	165	10910	5.467	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	5454	3.486	ng	# 1
70) Phenanthrene	11.40	178	20853	2.709	ng	97
74) Fluoranthene	12.59	202	46093	5.403	ng	92
77) Pyrene	12.82	202	41967	5.018	ng	99
80) Benzo(a)anthracene	14.01	228	27973	3.655	ng	98
82) Chrysene	14.05	228	21994	3.095	ng	97
87) Benzo(b)fluoranthene	15.06	252	42102	6.477	ng	# 95
88) Benzo(k)fluoranthene	15.06	252	42102	6.574	ng	98
89) Benzo(a)pyrene	15.43	252	20454	3.461	ng	# 92

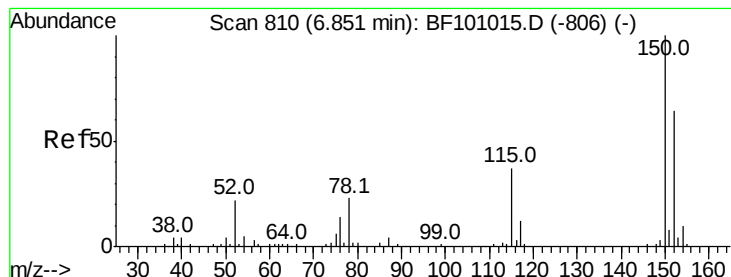
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101104.D
Acq On : 4 Dec 2017 18:02
Operator : SJ/JU
Sample : I6697-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 05 00:21:29 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



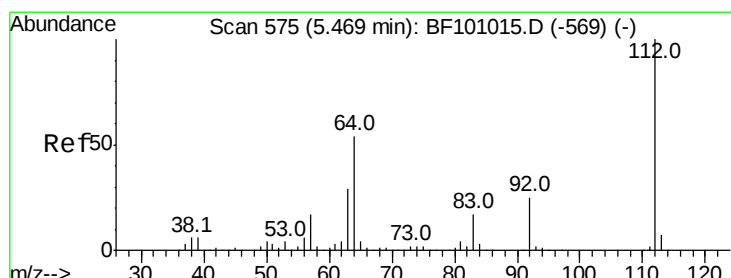
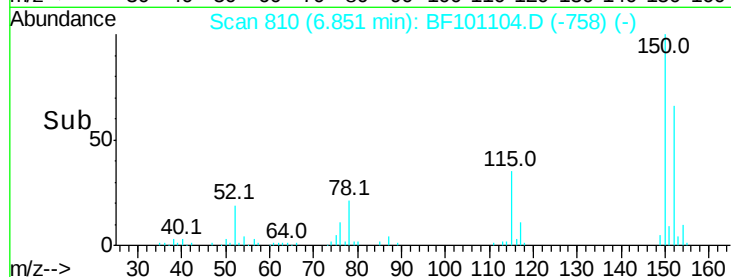
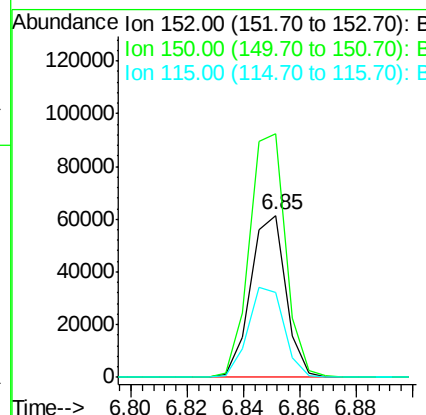
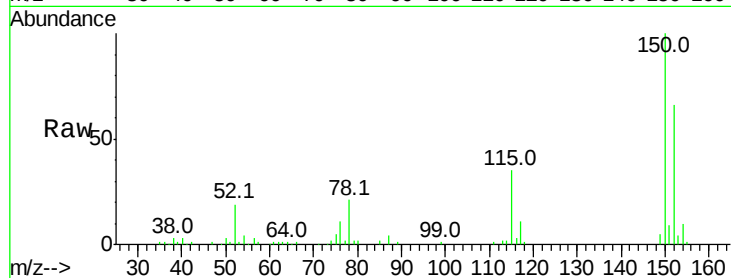


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF101104.D
Acq: 4 Dec 2017 18:02

Instrument :
BNA_F
ClientSampleId :

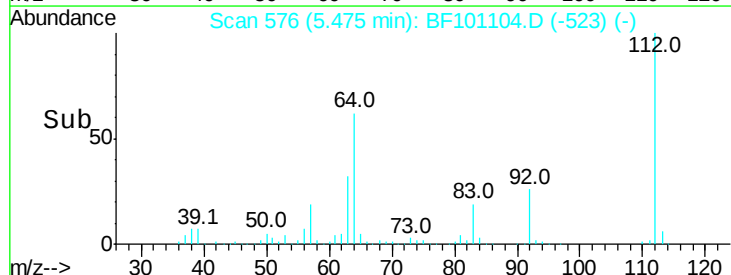
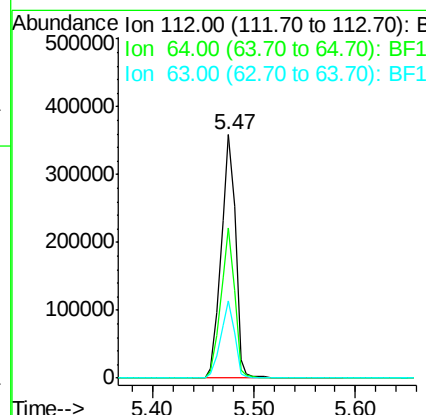
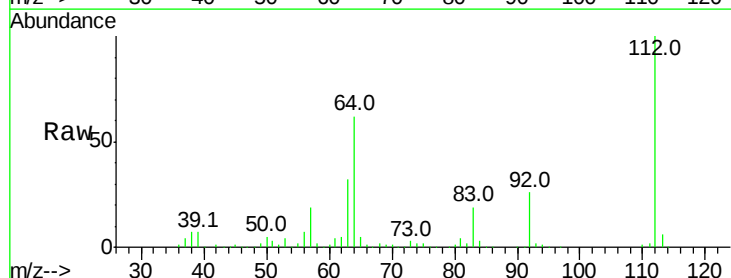
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	124.6	186.8
115	52.8	50.1	75.1



#5

2-Fluorophenol
Concen: 110.470 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101104.D
Acq: 4 Dec 2017 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 108.157 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampled :

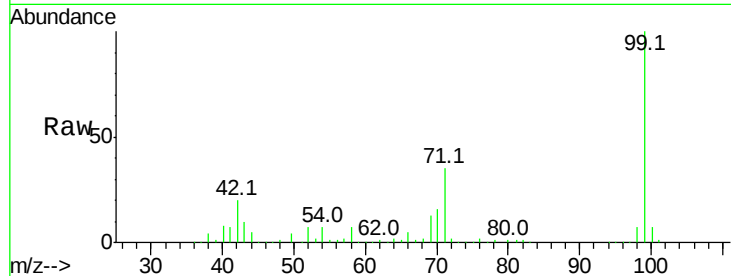
Tot Ion: 99 Resp: 421052

Ion Ratio Lower Upper

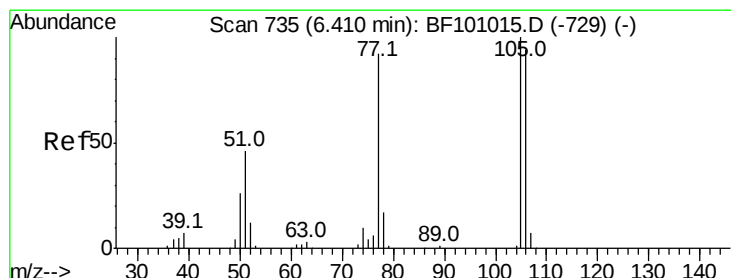
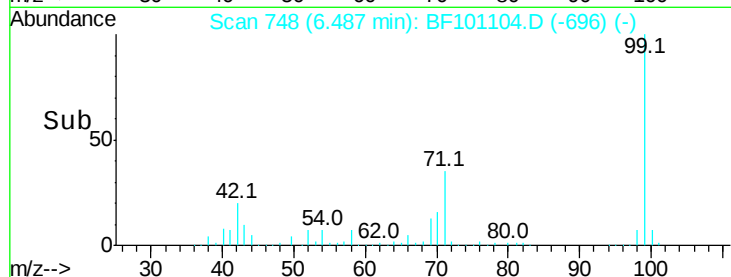
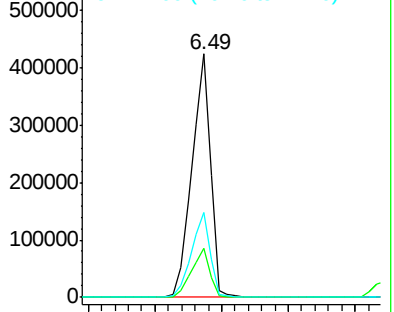
99 100

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



#9

Benzaldehyde

Concen: 3.263 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

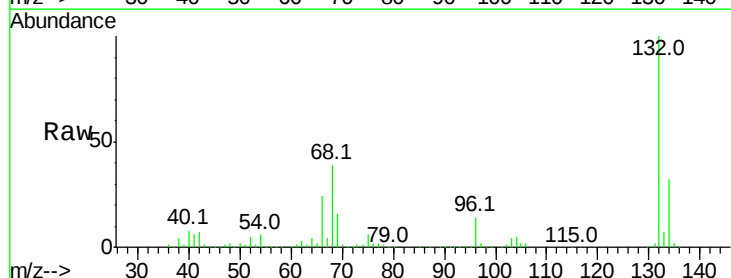
Tgt Ion: 77 Resp: 7775

Ion Ratio Lower Upper

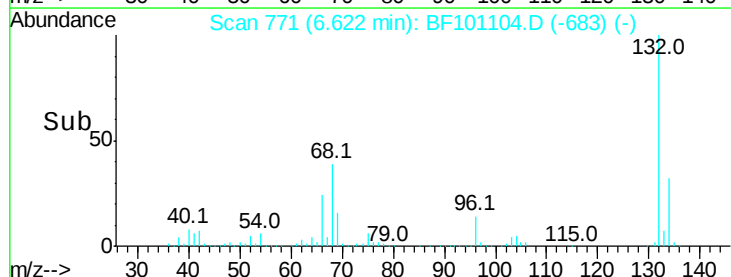
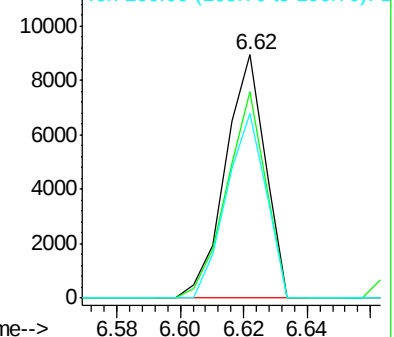
77 100

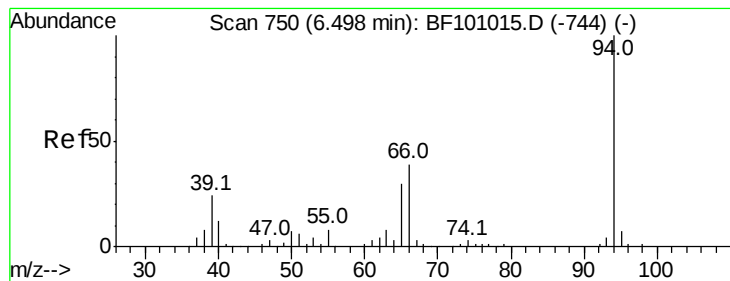
105 84.7 81.1 121.1

106 76.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.284 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

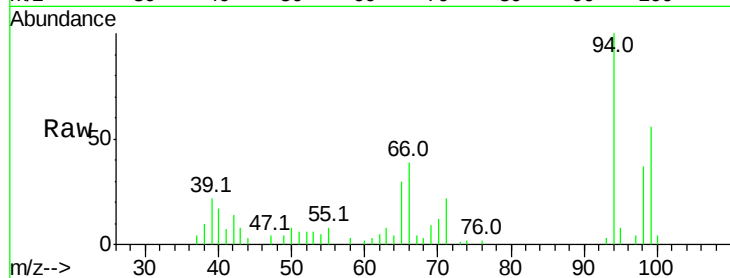
Instrument :

BNA_F

ClientSampled :

Tot Ion: 94 Resp: 14214

Ion	Ratio	Lower	Upper
94	100		
65	29.6	7.9	47.9
66	38.7	16.2	56.2

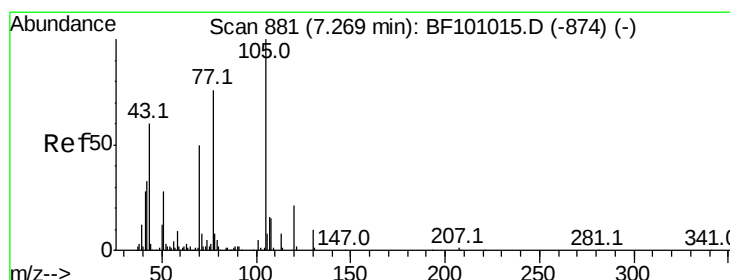
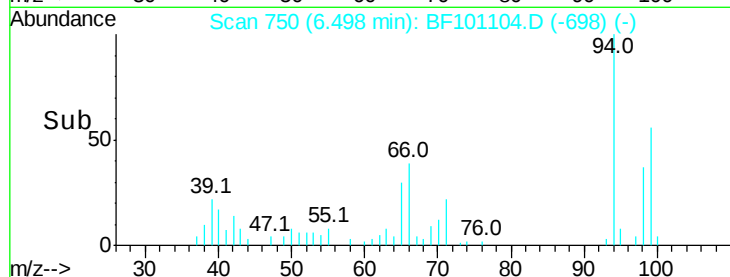
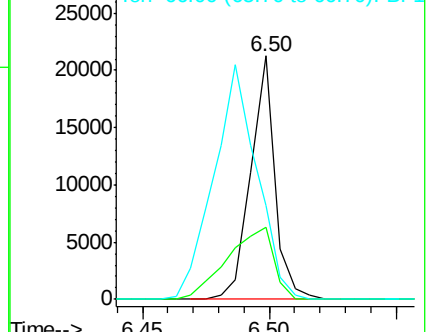


Abundance

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: 13.319 ng

RT: 7.42 min Scan# 906

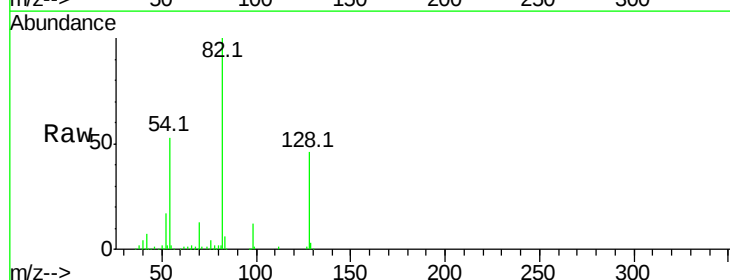
Delta R.T. 0.15 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Tgt Ion: 70 Resp: 34918

Ion	Ratio	Lower	Upper
70	100		
42	49.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



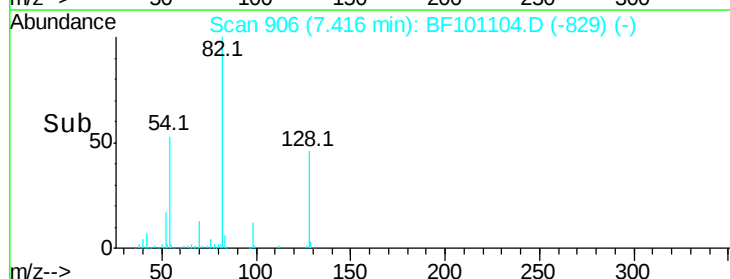
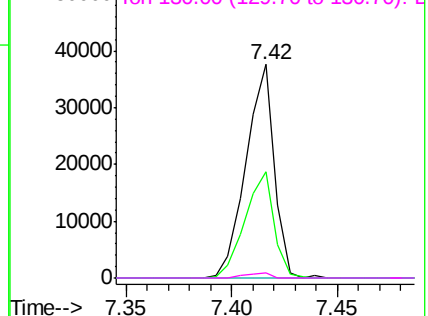
Abundance

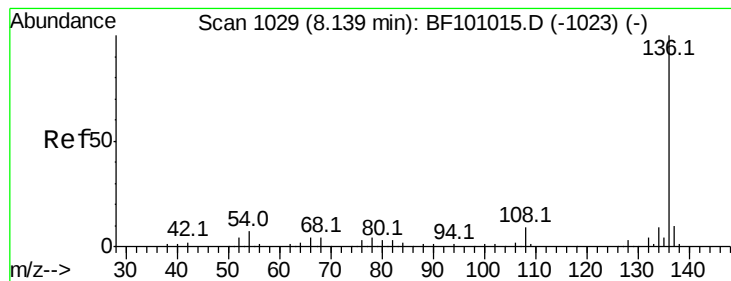
Ion 70.00 (69.70 to 70.70): BF1

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: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 203269

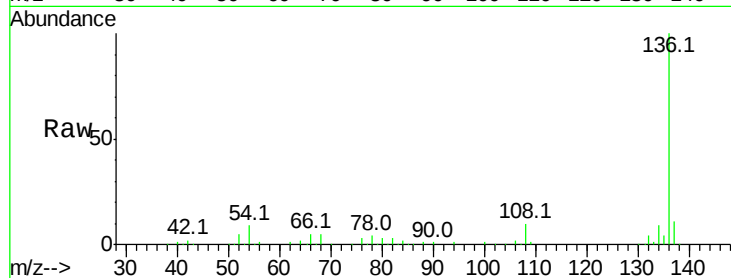
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.6 6.6 9.8

68 5.2 5.0 7.4

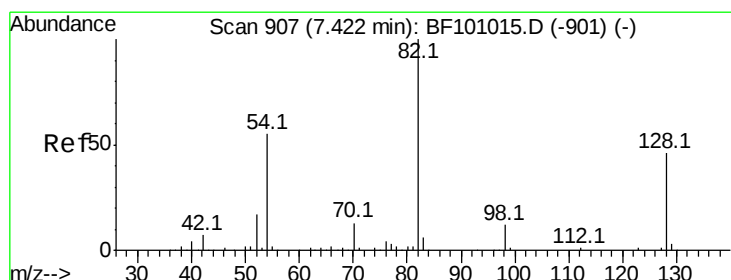
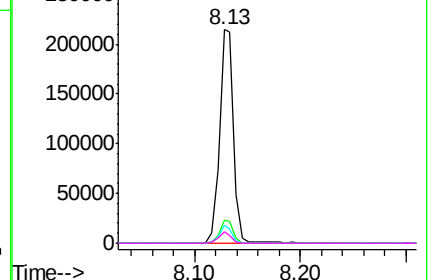
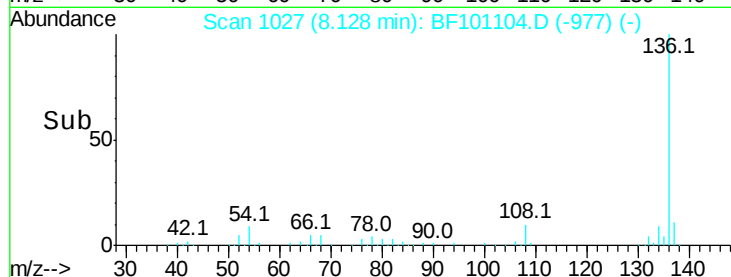


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.976 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

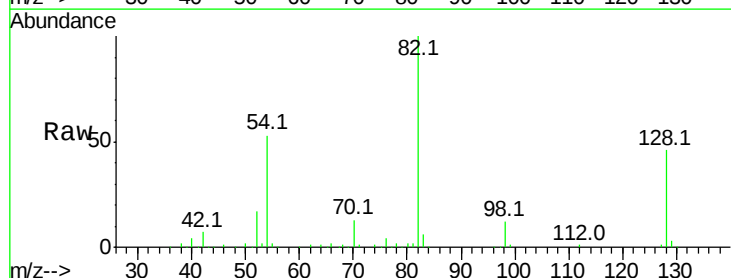
Tgt Ion: 82 Resp: 258890

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

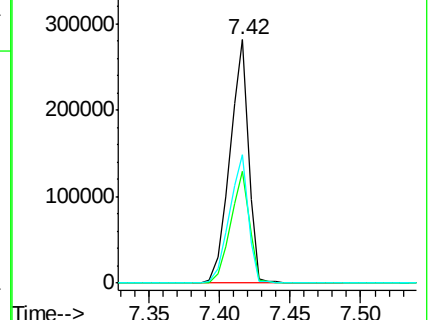
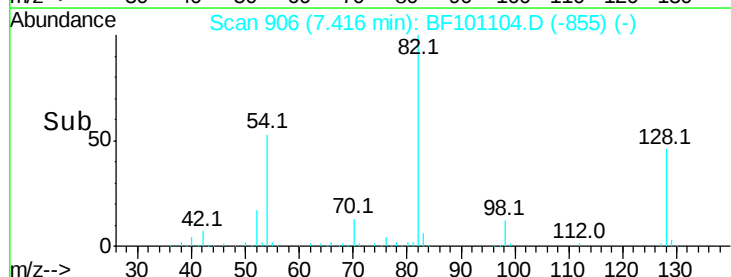
54 52.6 41.4 62.2

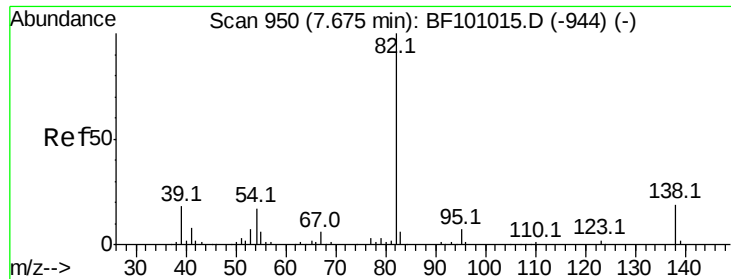


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.479 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

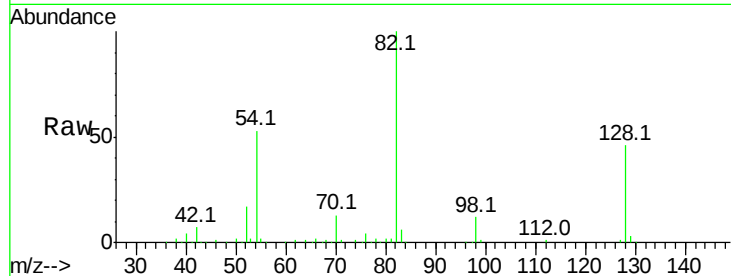
Tot Ion: 82 Resp: 258888

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

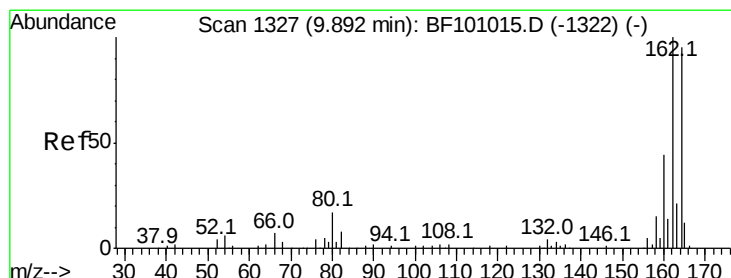
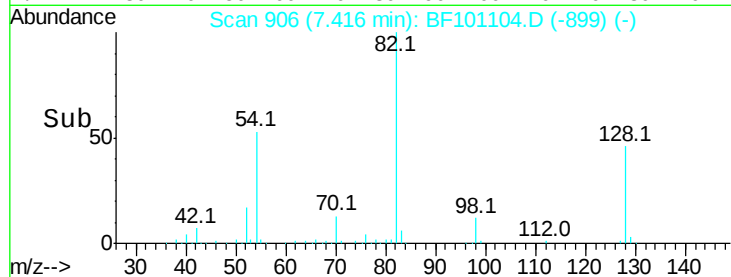
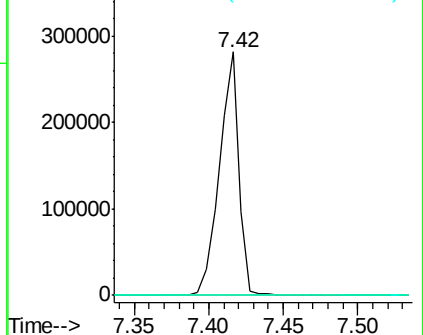
138 0.0 14.9 22.3#



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: BF101104.D

Acq: 4 Dec 2017 18:02

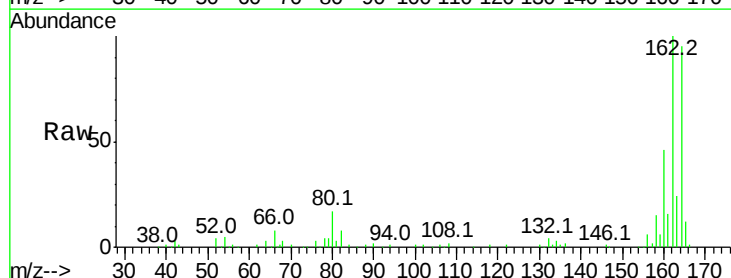
Tgt Ion:164 Resp: 87665

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

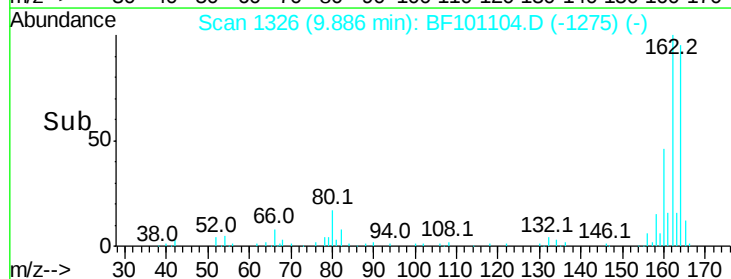
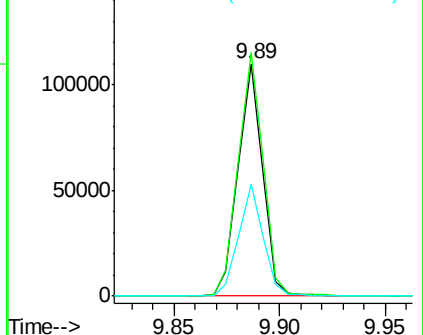
160 47.8 38.3 57.5

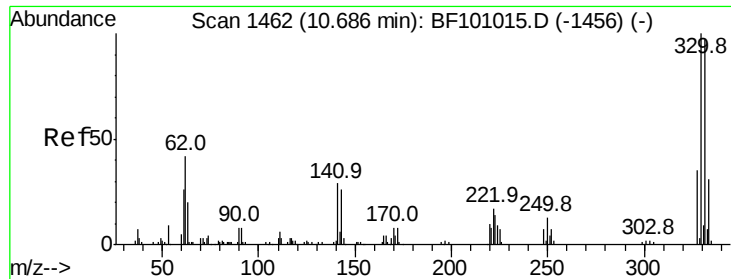


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 86.987 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampled :

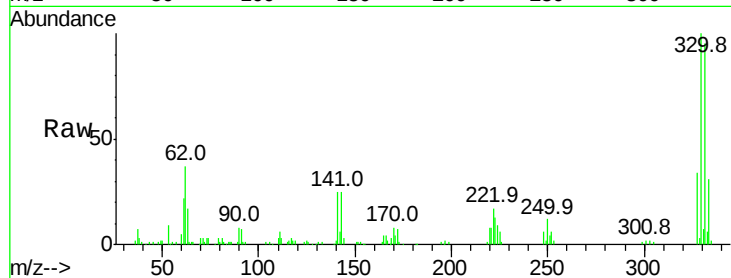
Tot Ion:330 Resp: 91607

Ion Ratio Lower Upper

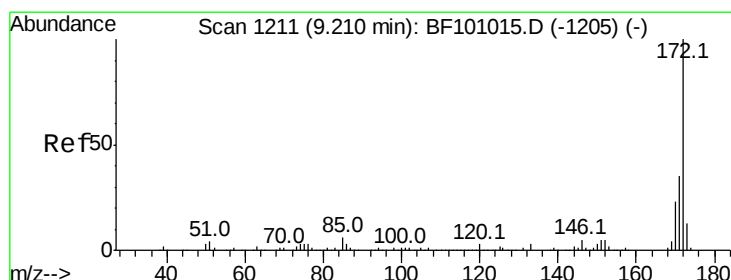
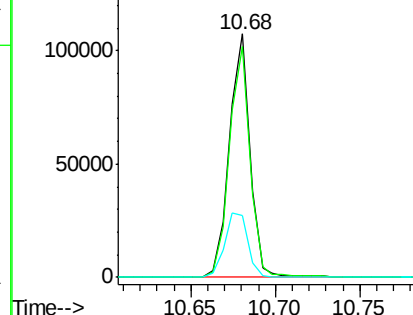
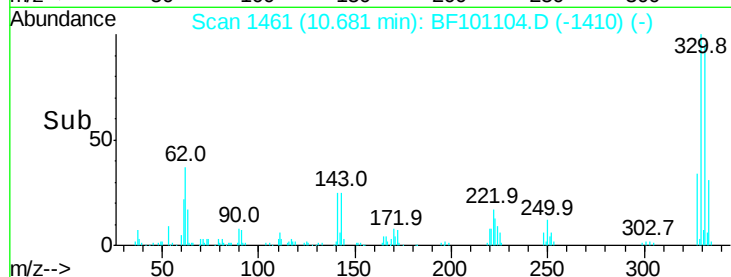
330 100

332 94.7 77.0 115.6

141 30.1 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: 72.176 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

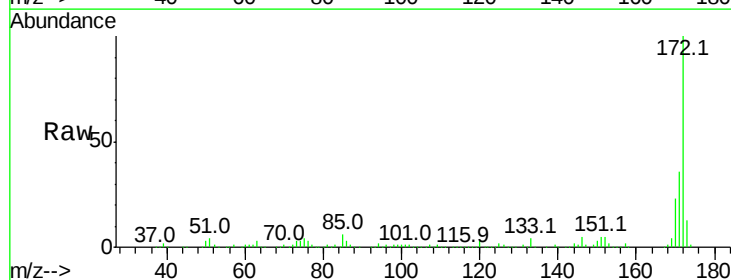
Tgt Ion:172 Resp: 462454

Ion Ratio Lower Upper

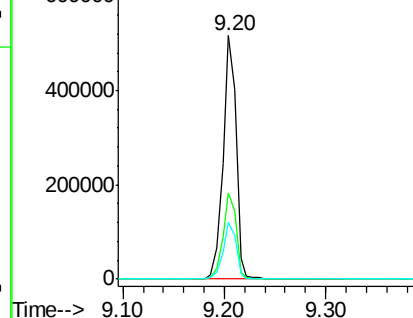
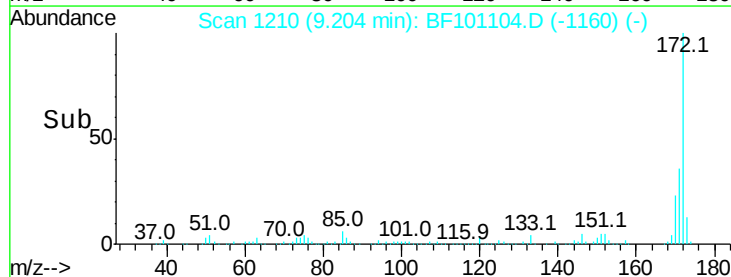
172 100

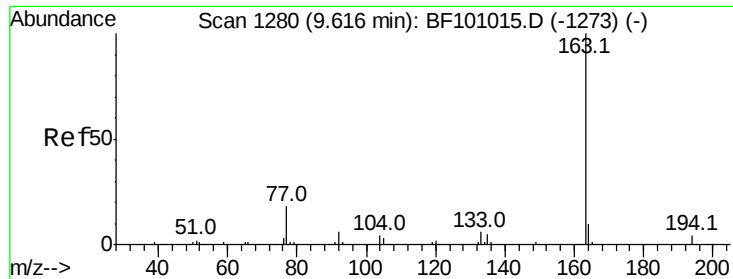
171 35.6 29.7 44.5

170 23.1 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

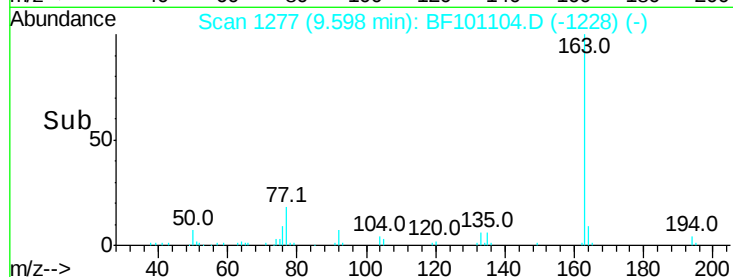
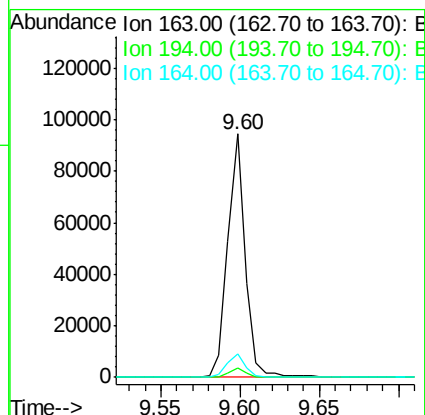
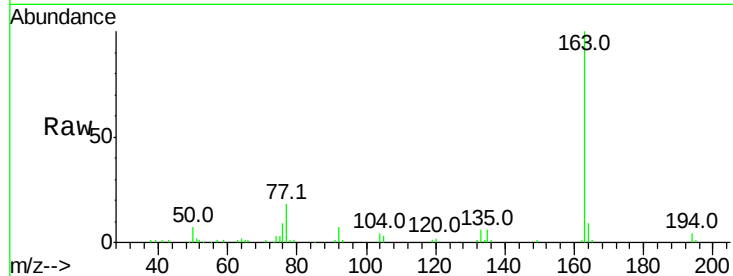




#49
Dimethylphthalate
Concen: 10.211 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101104.D
Acq: 4 Dec 2017 18:02

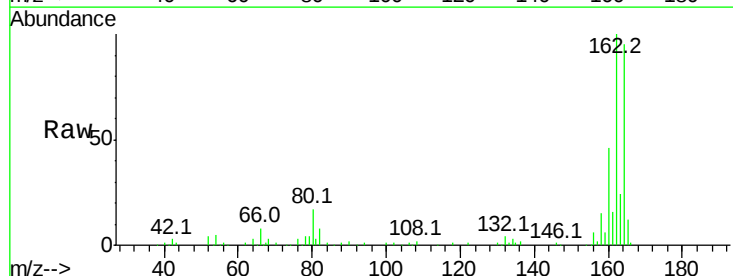
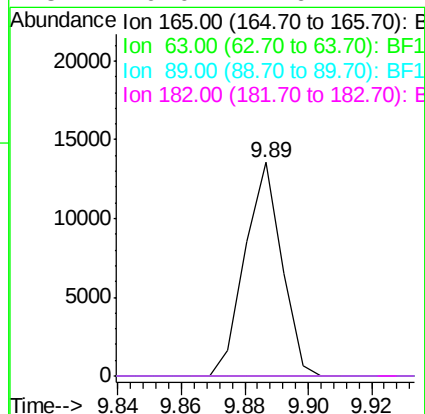
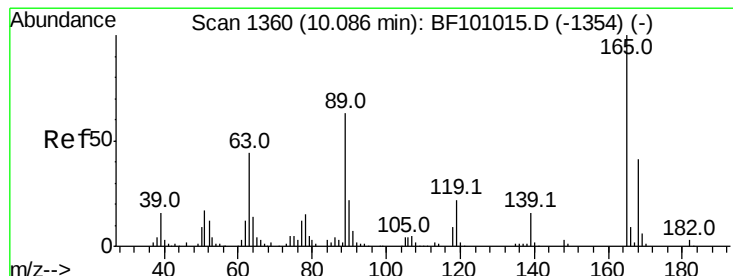
Instrument :
BNA_F
ClientSampleId :

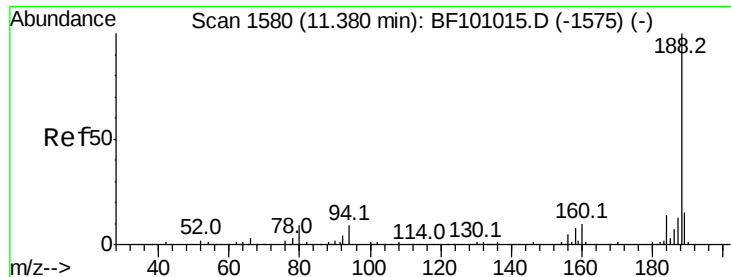
Tot Ion:163 Resp: 72189
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.467 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.19 min
Lab File: BF101104.D
Acq: 4 Dec 2017 18:02

Tgt Ion:165 Resp: 10910
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#

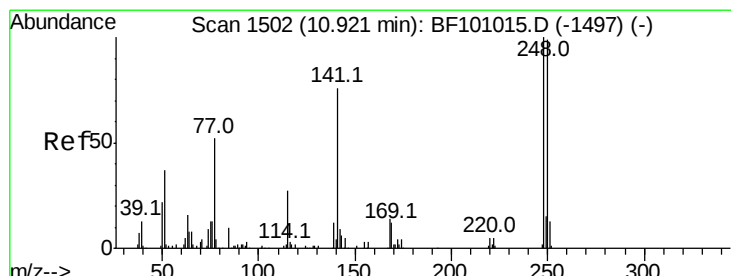
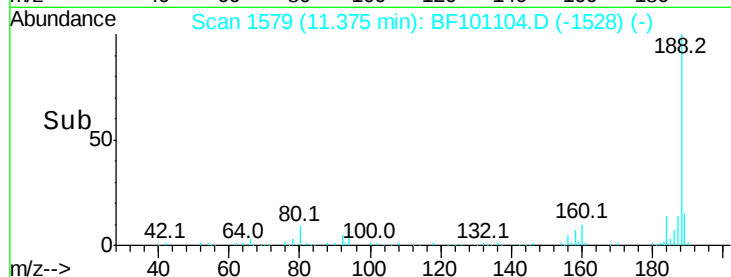
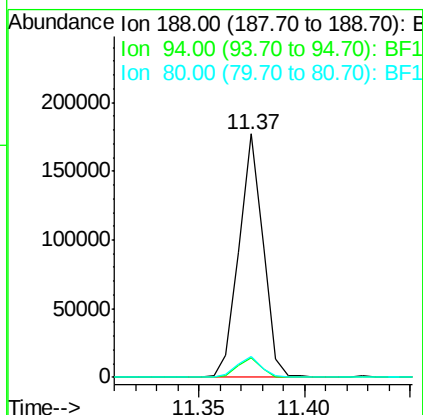
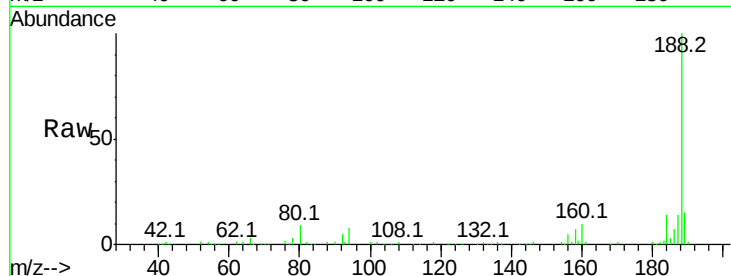




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101104.D
 Acq: 4 Dec 2017 18:02

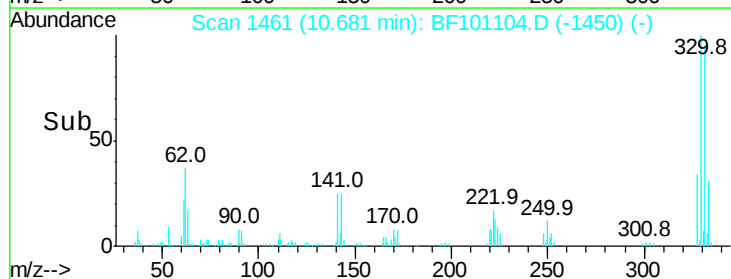
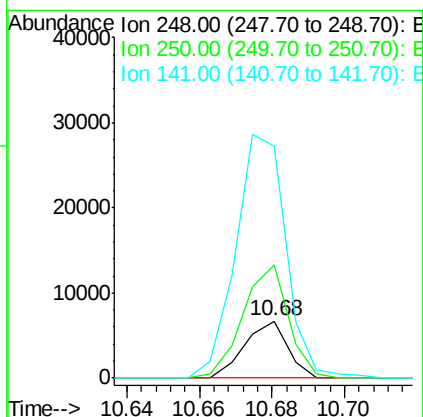
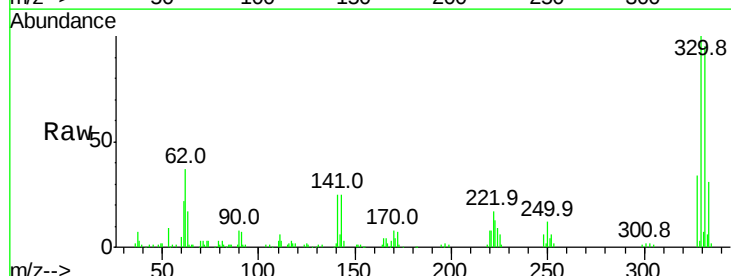
Instrument :
 BNA_F
 ClientSampleId :

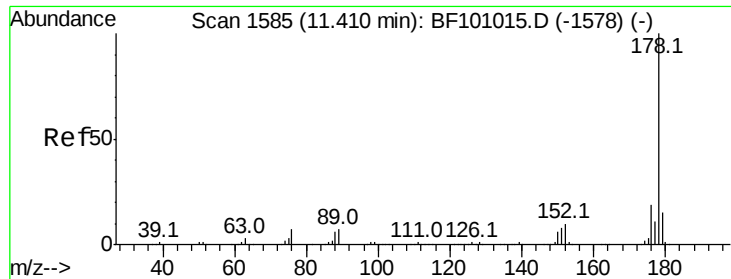
Tot Ion:188 Resp: 139760
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.5 12.7#
 80 8.8 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.486 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.23 min
 Lab File: BF101104.D
 Acq: 4 Dec 2017 18:02

Tgt Ion:248 Resp: 5454
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.9 115.3#
 141 408.4 74.4 111.6#





#70

Phenanthrene

Concen: 2.709 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

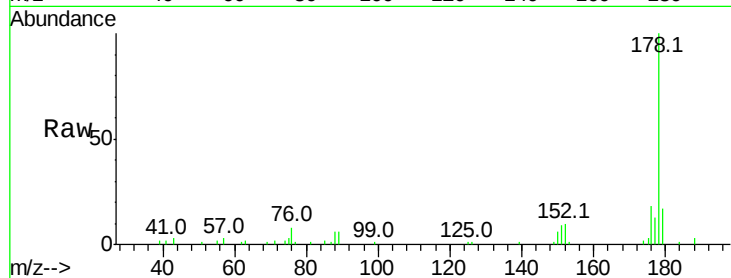
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 20853

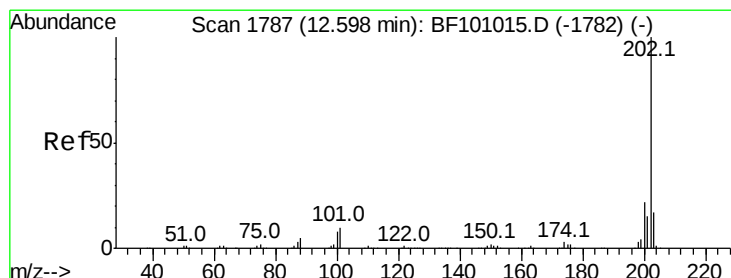
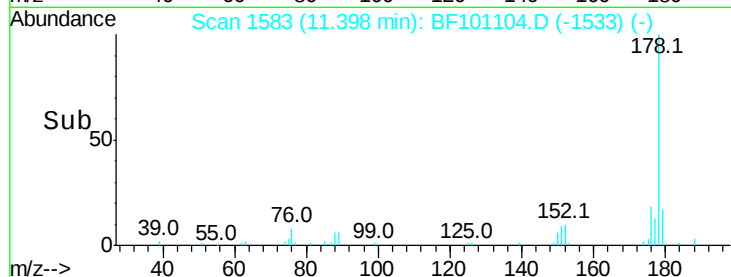
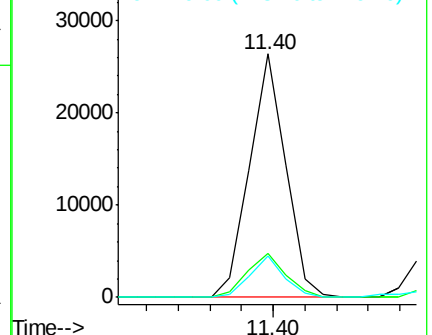
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	16.8	13.0	19.6



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: 5.403 ng

RT: 12.59 min Scan# 1786

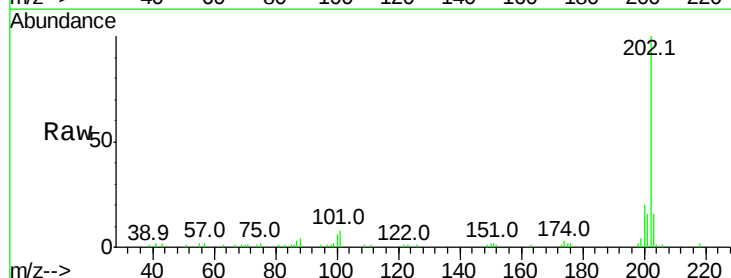
Delta R.T. 0.00 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Tgt Ion:202 Resp: 46093

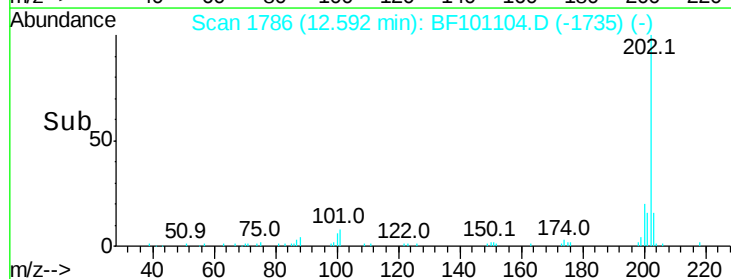
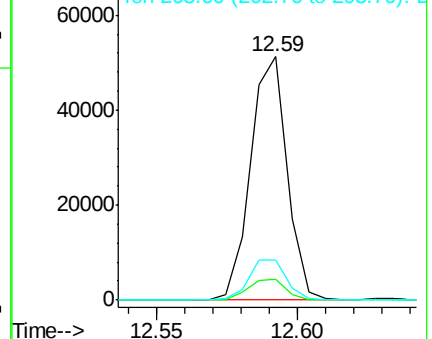
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	34.1
203	16.3	0.0	38.1

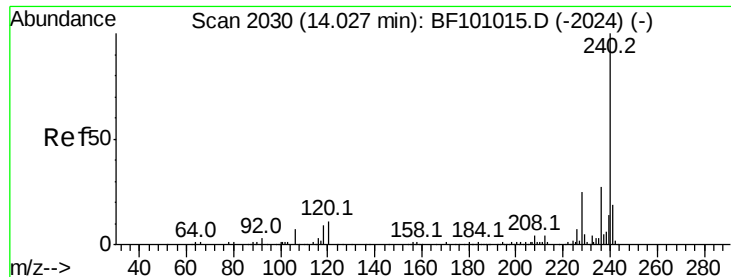


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

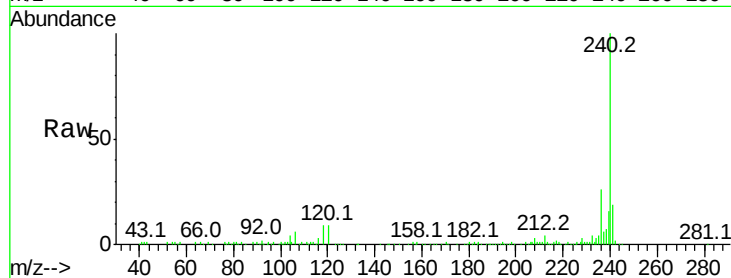
Tot Ion:240 Resp: 121205

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

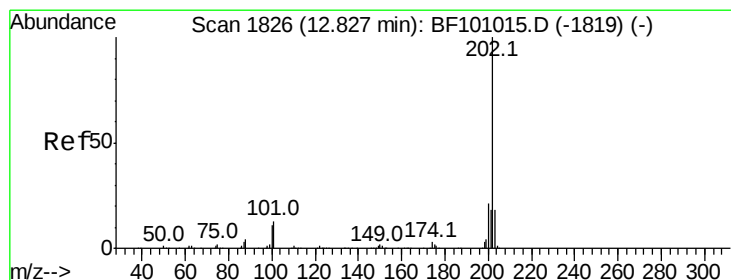
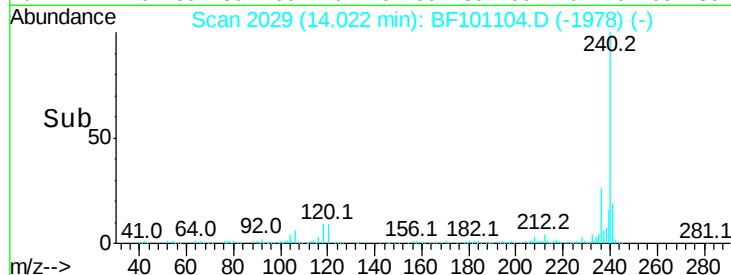
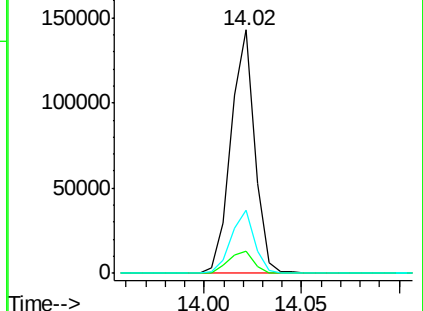
236 26.0 20.7 31.1



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: 5.018 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

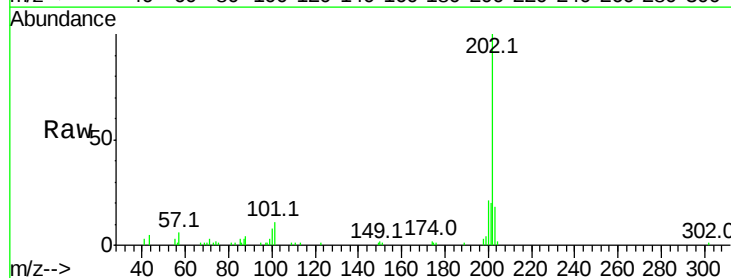
Tgt Ion:202 Resp: 41967

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

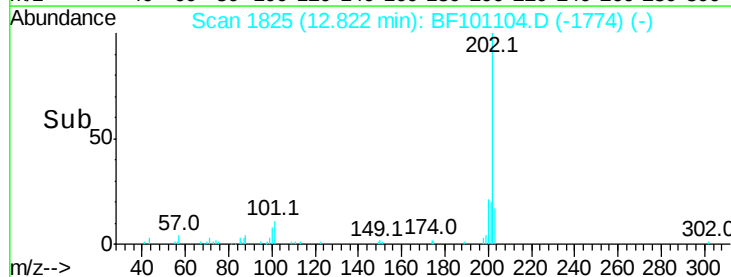
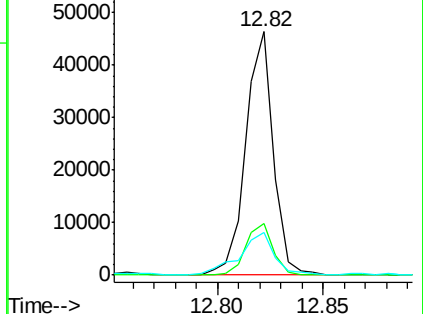
203 17.8 14.3 21.5

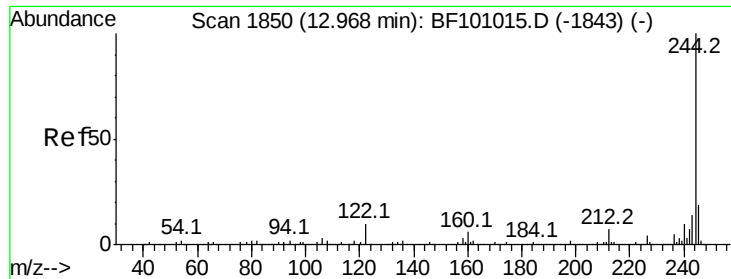


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

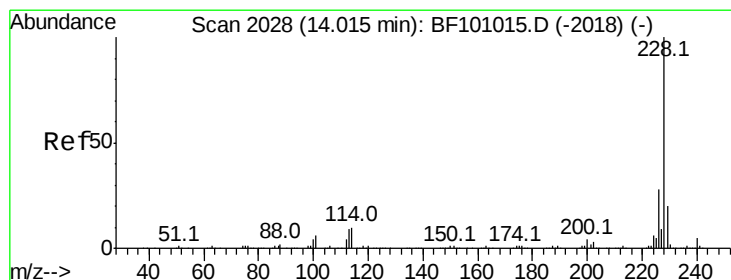
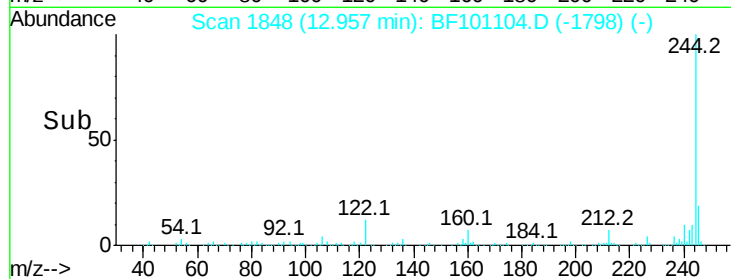
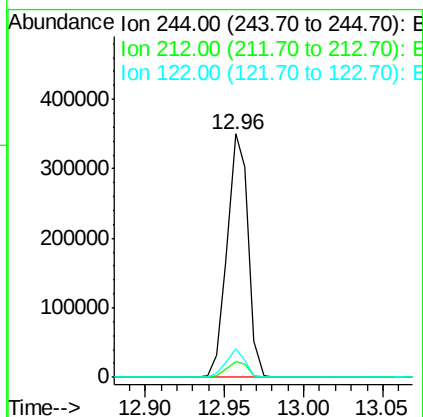
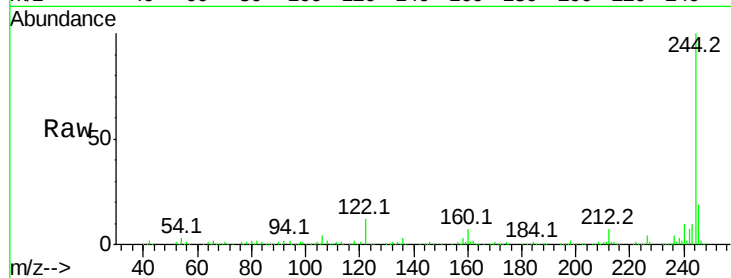




#78
 Terphenyl-d14
 Concen: 58.076 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101104.D
 Acq: 4 Dec 2017 18:02

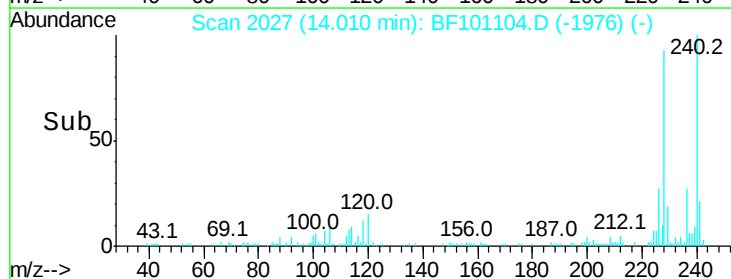
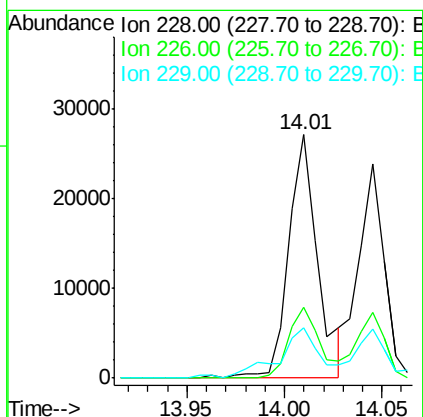
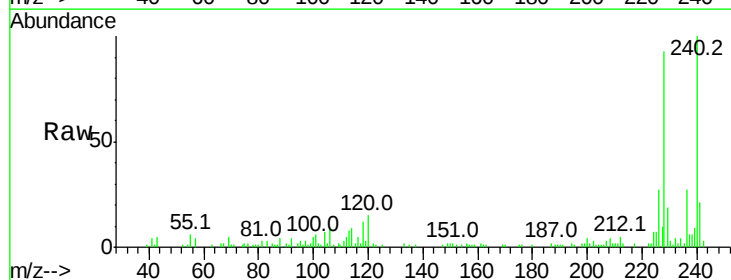
Instrument :
 BNA_F
 ClientSampleId :

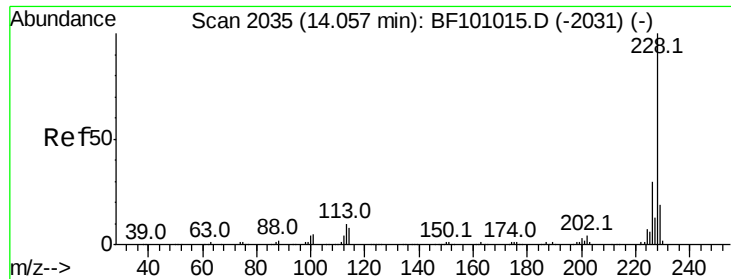
Tot Ion:244 Resp: 321825
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.655 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101104.D
 Acq: 4 Dec 2017 18:02

Tgt Ion:228 Resp: 27973
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.8 15.8 23.6





#82

Chrysene

Concen: 3.095 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

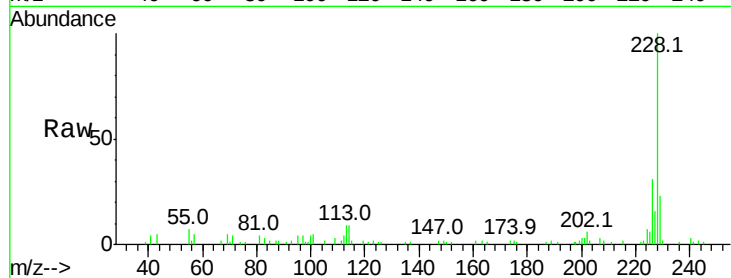
Tot Ion:228 Resp: 21994

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

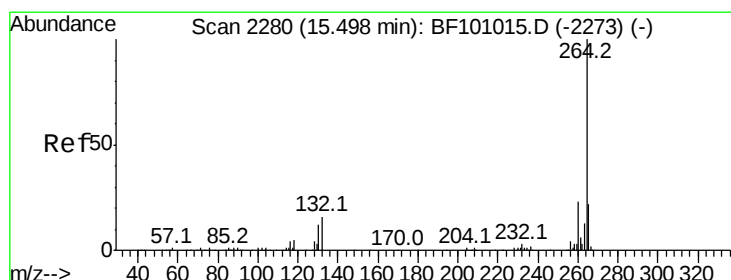
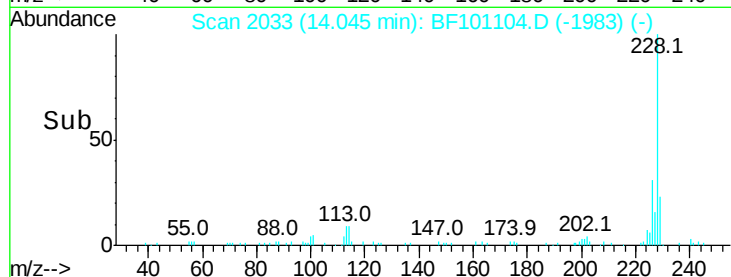
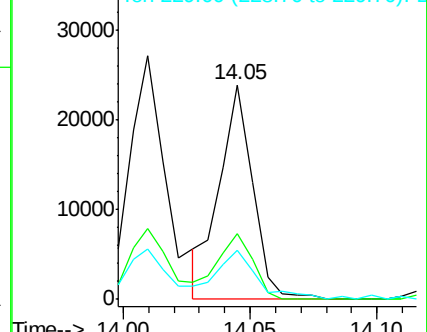
229 23.0 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

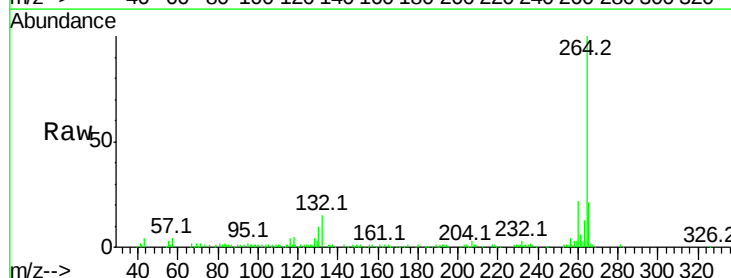
Tgt Ion:264 Resp: 108518

Ion Ratio Lower Upper

264 100

260 21.6 19.2 28.8

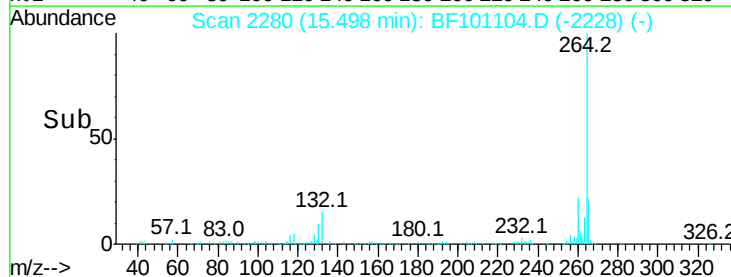
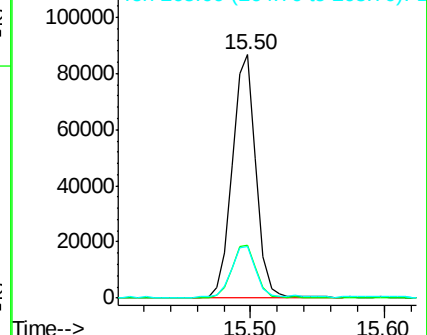
265 21.4 17.5 26.3

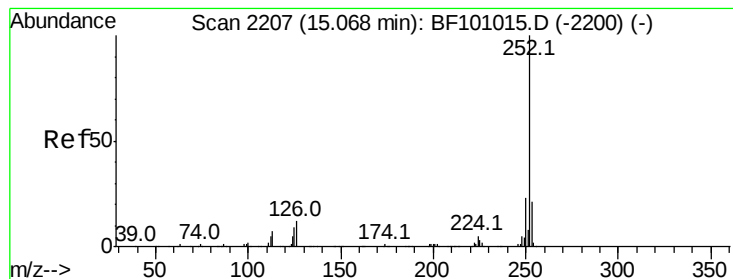


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.477 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101104.D

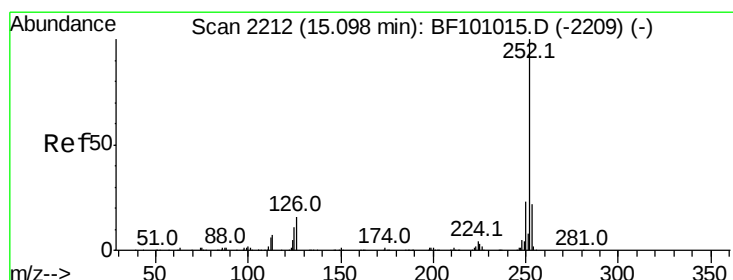
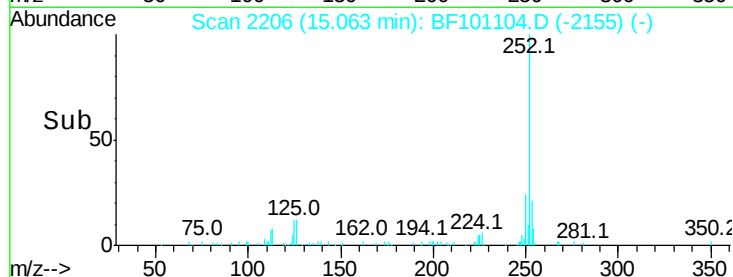
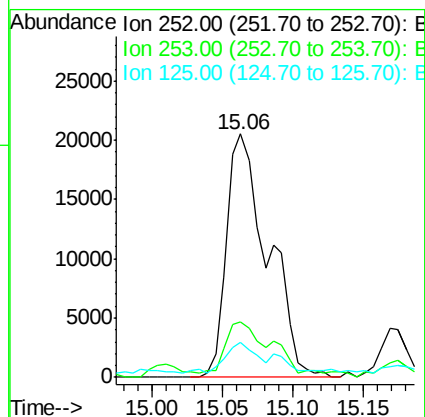
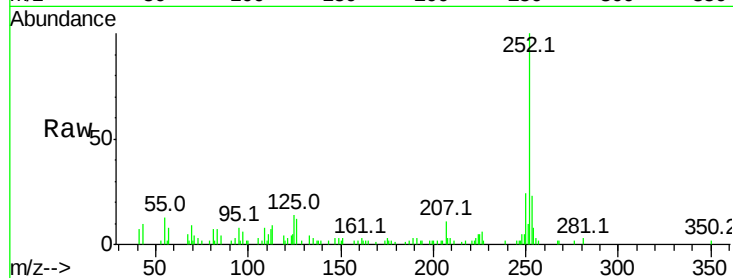
Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	42102
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.0 25.6
125	14.5	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 6.574 ng

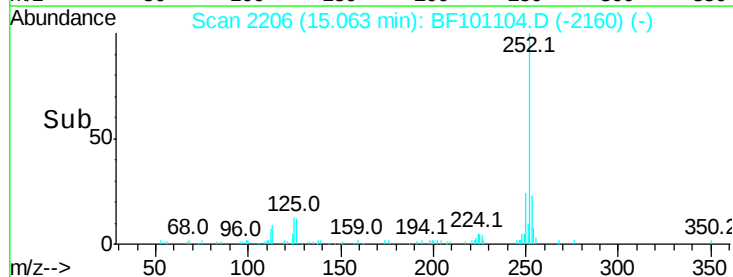
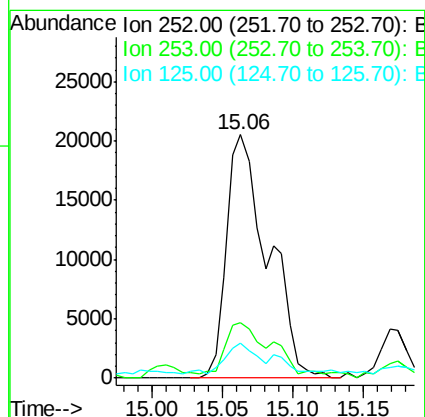
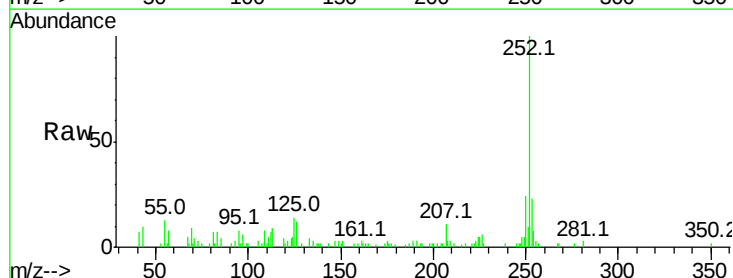
RT: 15.06 min Scan# 2206

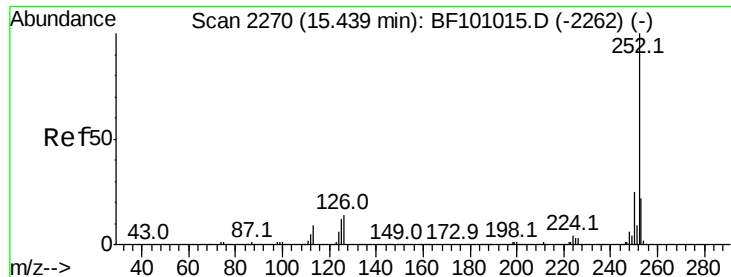
Delta R.T. -0.03 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Tgt Ion:252	Resp:	42102
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.9 26.9
125	14.5	10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.461 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101104.D

Acq: 4 Dec 2017 18:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 20454

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 15.7 9.8 14.6

