

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101213.D
 Acq On : 7 Dec 2017 18:52
 Operator : SJ/JU
 Sample : I6656-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 19:26:03 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

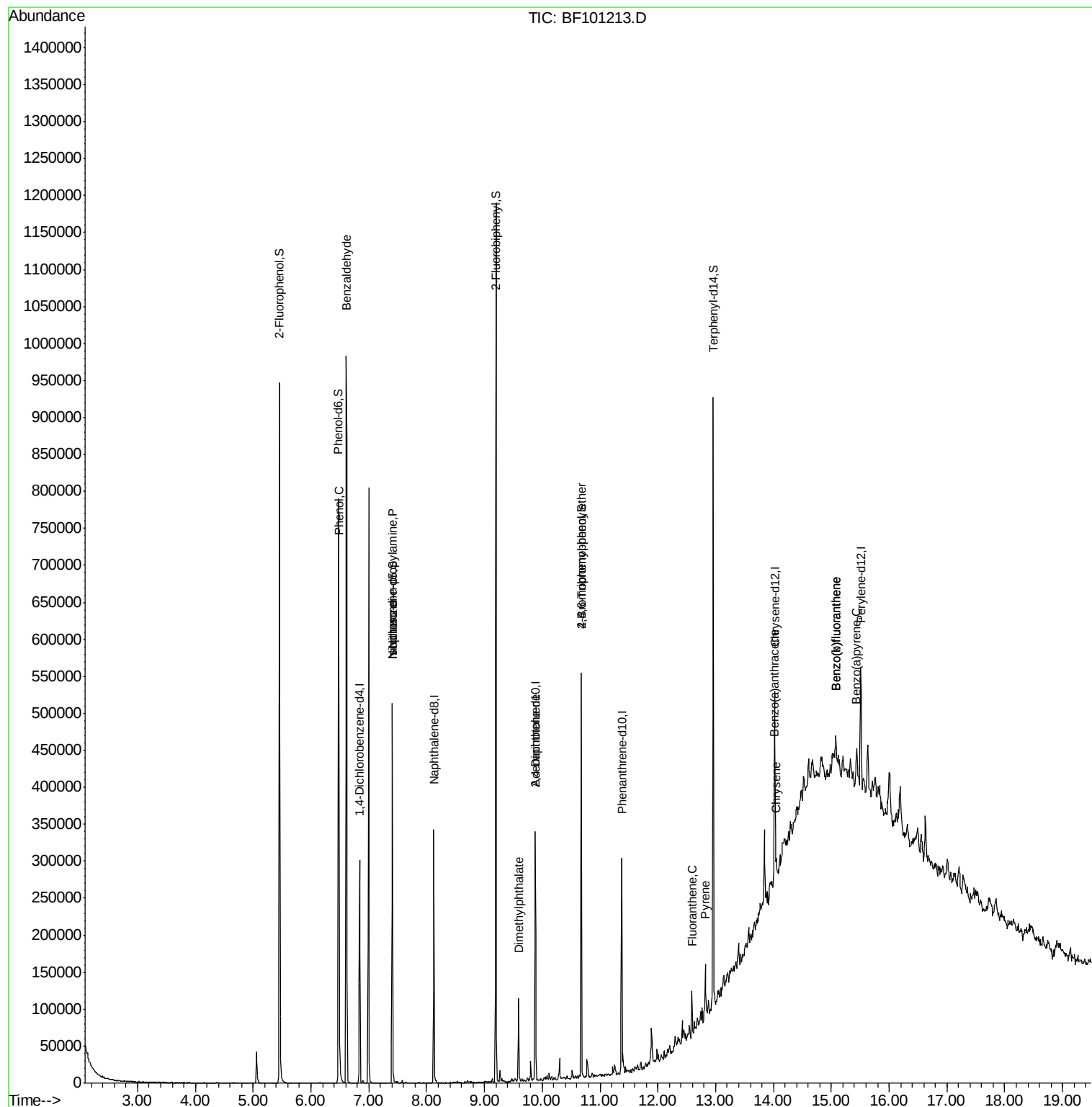
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	41318	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	148851	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	59638	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	106764	20.00	ng	0.00
75) Chrysene-d12	14.02	240	84967	20.00	ng	0.00
86) Perylene-d12	15.51	264	67038	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	250932	100.36	ng	0.00
7) Phenol-d6	6.47	99	296001	97.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	169500	67.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	64044	89.39	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	339573	77.90	ng	-0.01
78) Terphenyl-d14	12.96	244	297835	76.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.61	77	5616	3.023	ng	Qvalue 87
10) Phenol	6.49	94	9394	2.783	ng	# 63
19) n-Nitroso-di-n-propylamine	7.40	70	21917	10.720	ng	# 82
25) Isophorone	7.40	82	169498	39.768	ng	# 64
49) Dimethylphthalate	9.59	163	37575	7.812	ng	100
56) 2,4-Dinitrotoluene	9.88	165	7621	5.613	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	4241	3.549	ng	# 1
74) Fluoranthene	12.59	202	23695	3.636	ng	93
77) Pyrene	12.82	202	23841	4.066	ng	99
80) Benzo(a)anthracene	14.01	228	11799	2.199	ng	# 86
82) Chrysene	14.05	228	13250	2.659	ng	# 91
87) Benzo(b)fluoranthene	15.07	252	18008	4.485	ng	# 29
88) Benzo(k)fluoranthene	15.07	252	18008	4.552	ng	# 33
89) Benzo(a)pyrene	15.44	252	8372	2.293	ng	# 49

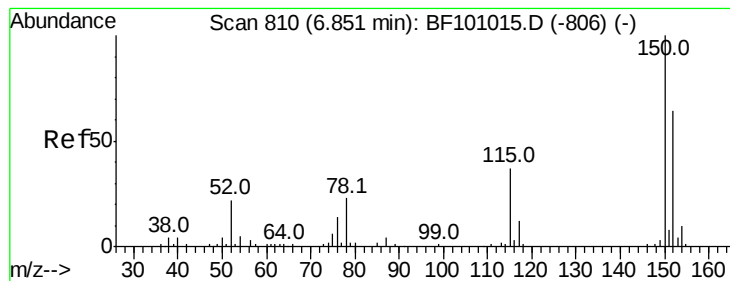
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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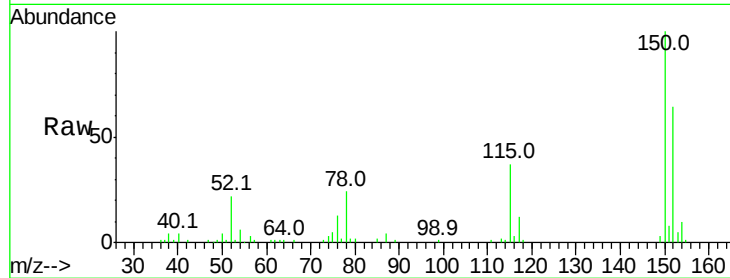


#1

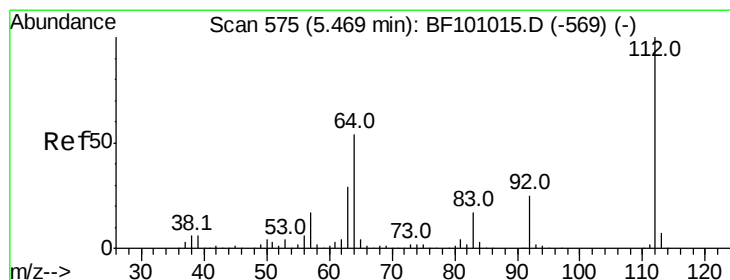
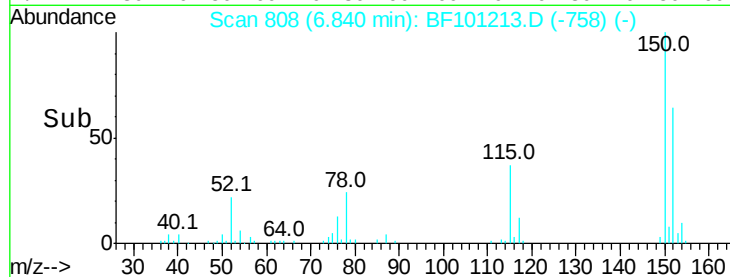
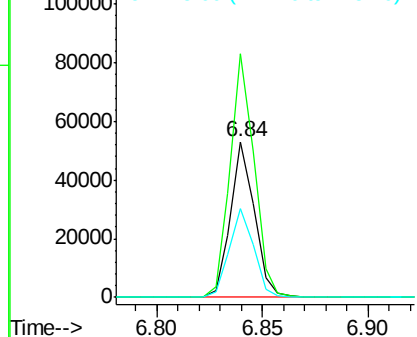
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41318
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 57.3 50.1 75.1



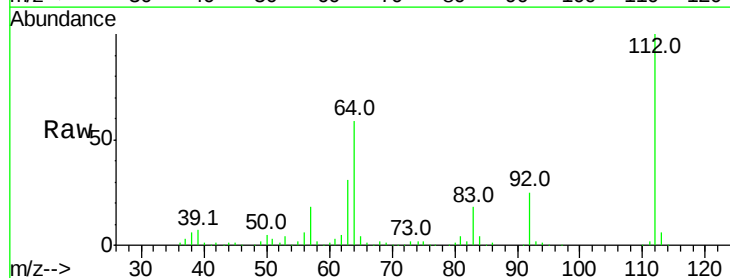
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



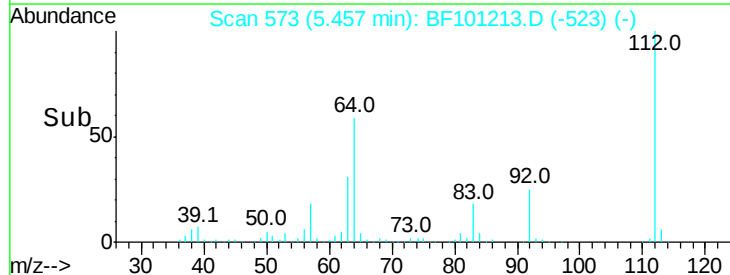
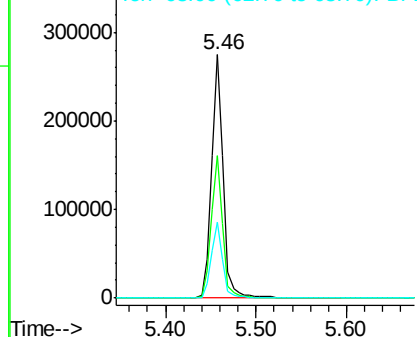
#5

2-Fluorophenol
Concen: 100.356 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Tgt Ion:112 Resp: 250932
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 31.4 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: 97.505 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampleId :

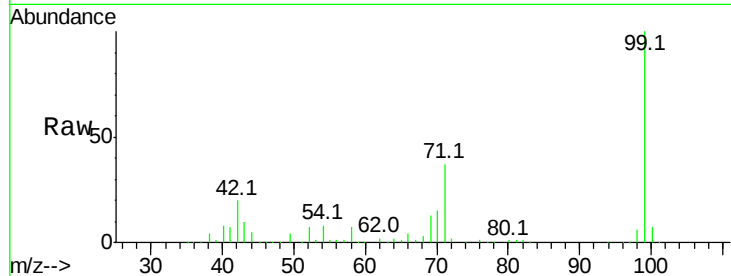
Tot Ion: 99 Resp: 296001

Ion Ratio Lower Upper

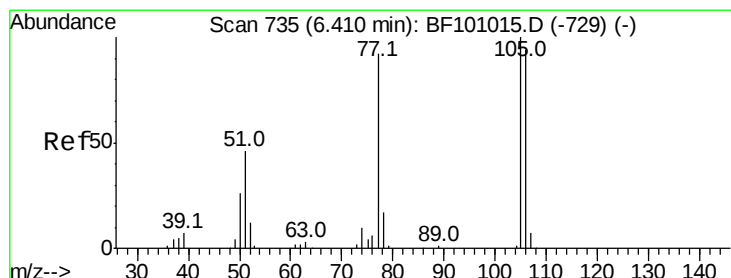
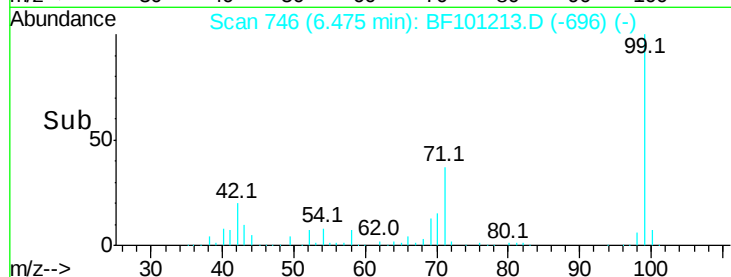
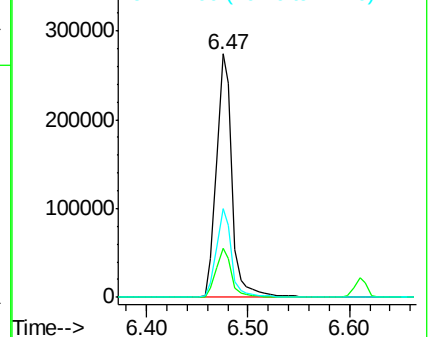
99 100

42 20.4 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



#9

Benzaldehyde

Concen: 3.023 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.21 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

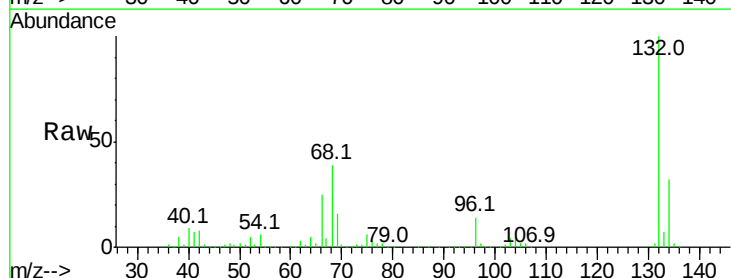
Tgt Ion: 77 Resp: 5616

Ion Ratio Lower Upper

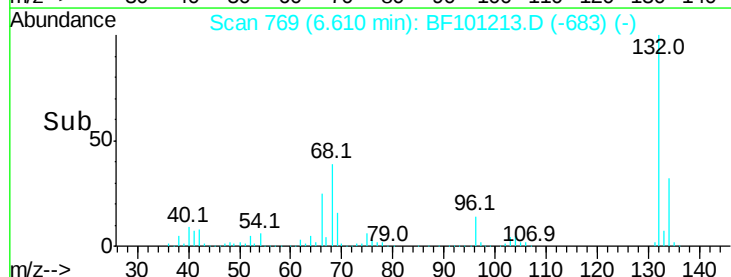
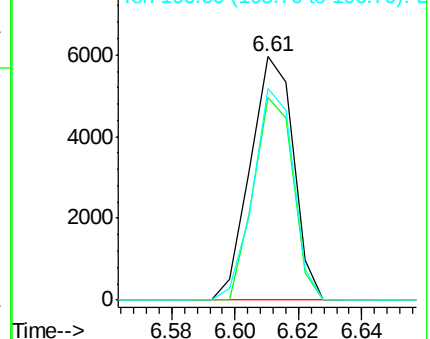
77 100

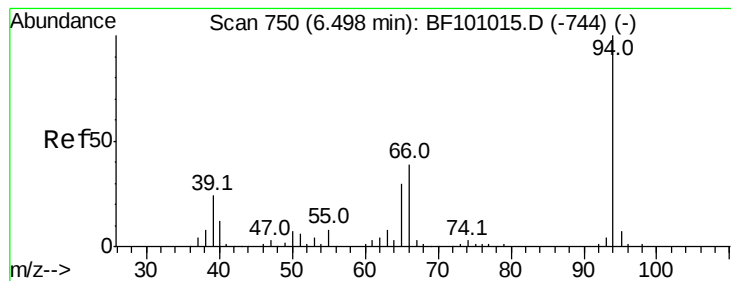
105 83.1 81.1 121.1

106 86.7 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: 2.783 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampleId :

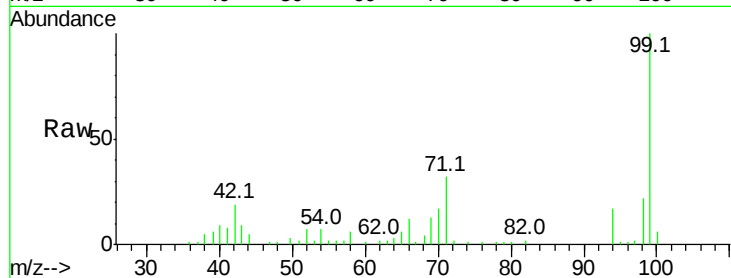
Tot Ion: 94 Resp: 9394

Ion Ratio Lower Upper

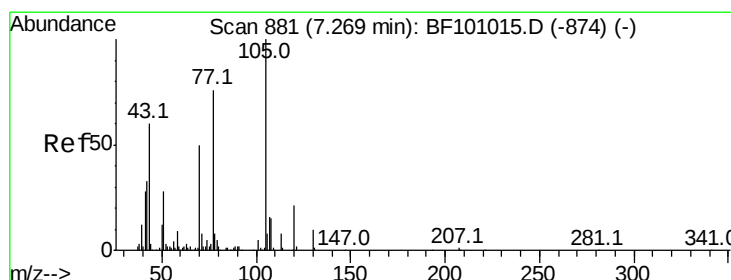
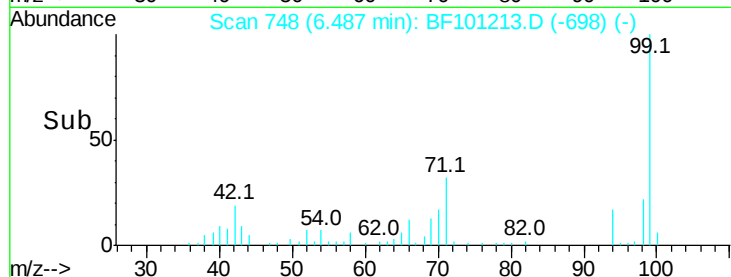
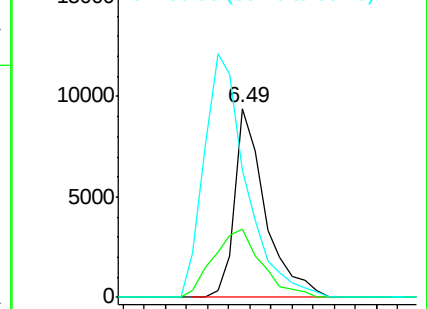
94 100

65 36.3 7.9 47.9

66 67.4 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: 10.720 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Tgt Ion: 70 Resp: 21917

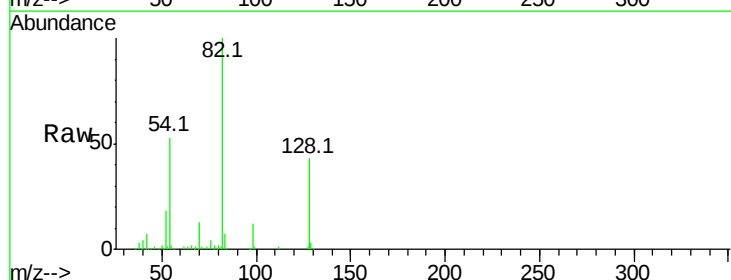
Ion Ratio Lower Upper

70 100

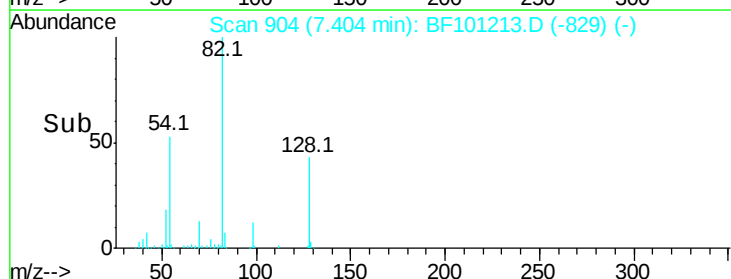
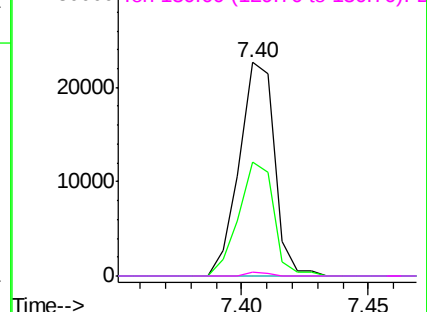
42 53.2 47.5 71.3

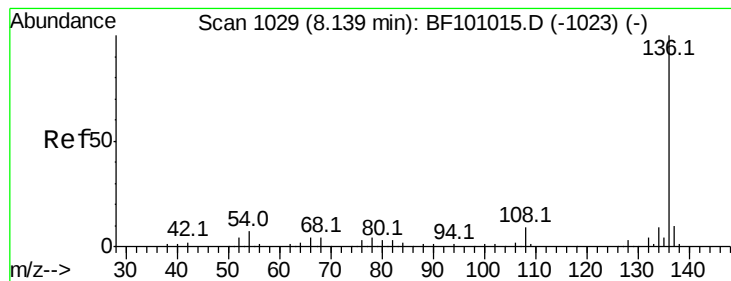
101 0.0 7.4 11.2#

130 1.6 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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 148851

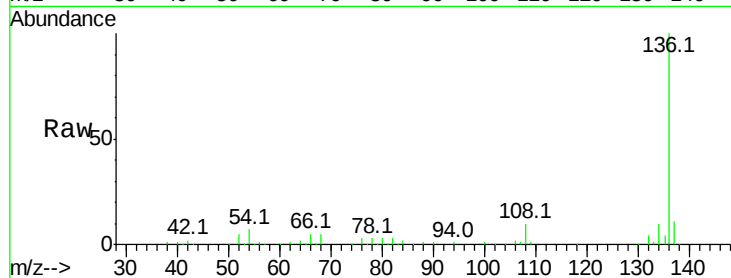
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 5.4 5.0 7.4

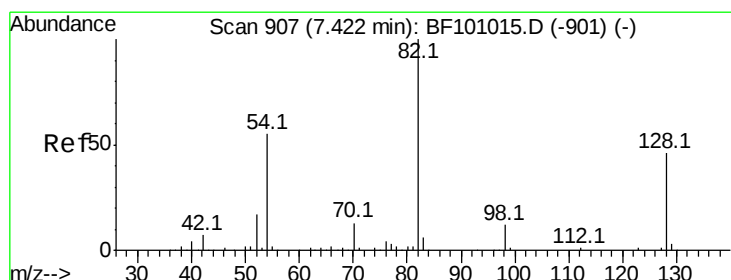
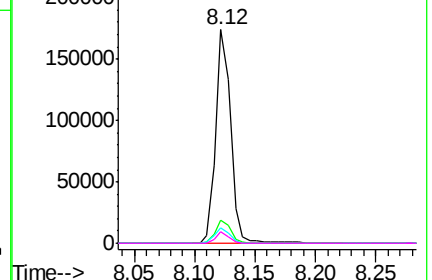
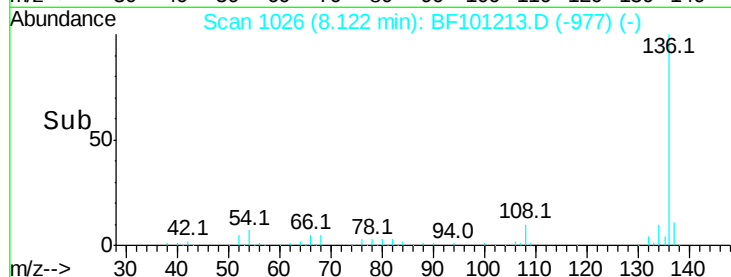


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.928 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

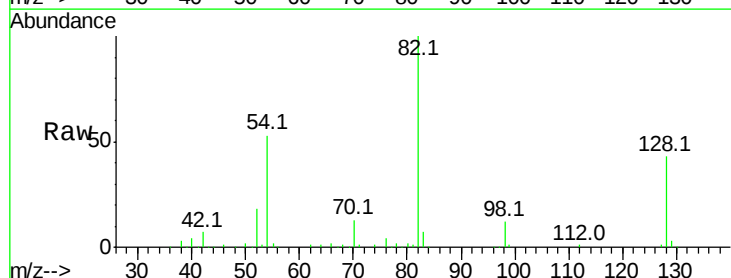
Tgt Ion: 82 Resp: 169500

Ion Ratio Lower Upper

82 100

128 42.9 36.1 54.1

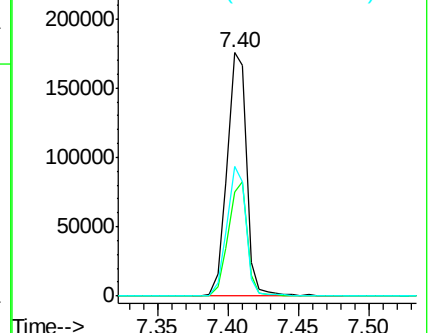
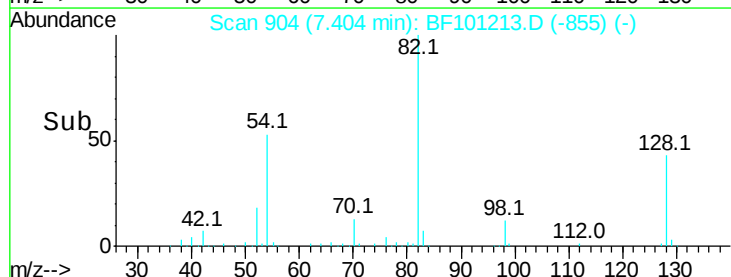
54 53.4 41.4 62.2

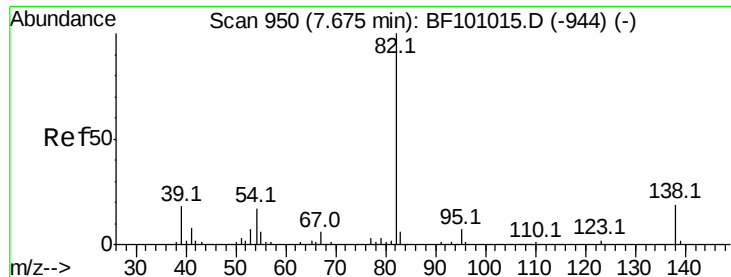


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.768 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampled :

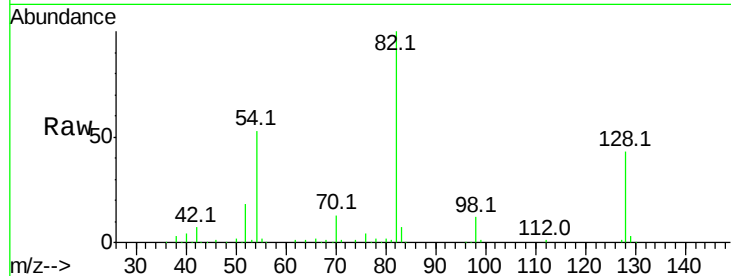
Tot Ion: 82 Resp: 169498

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

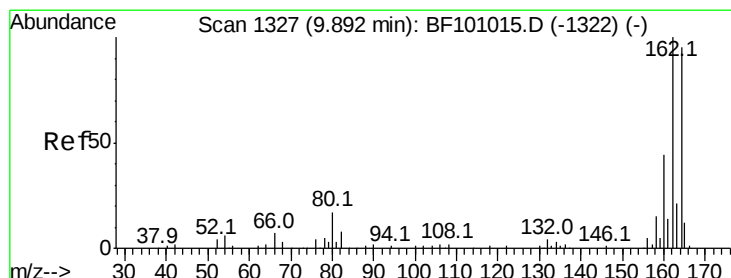
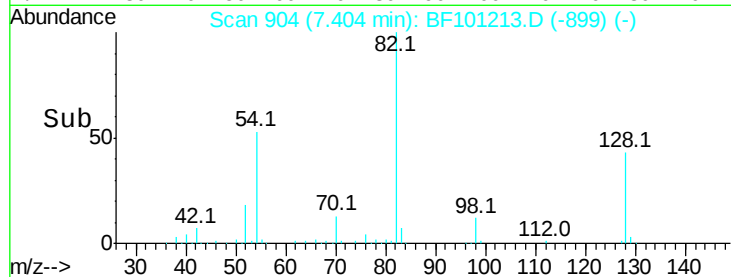
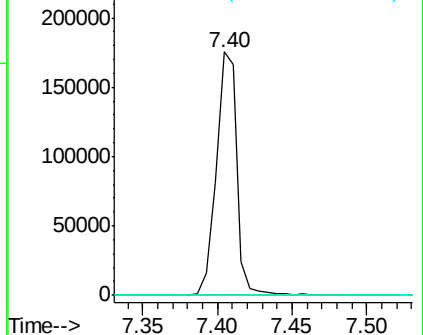
138 0.0 14.9 22.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

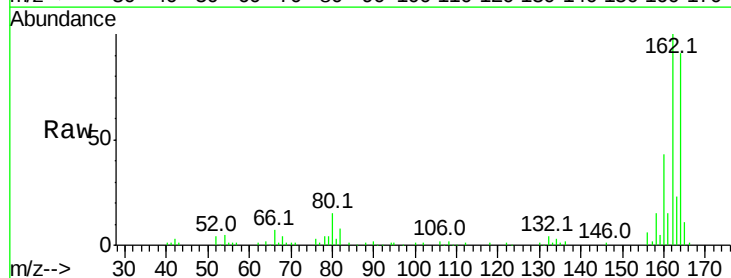
Tgt Ion:164 Resp: 59638

Ion Ratio Lower Upper

164 100

162 109.8 86.1 129.1

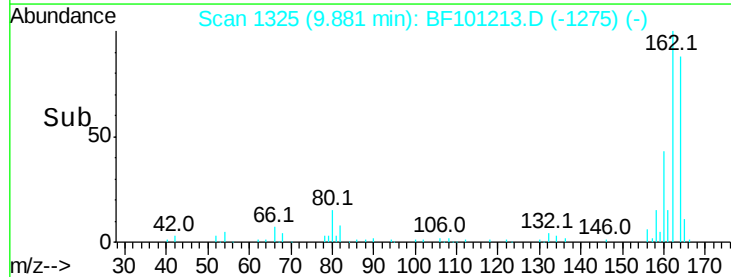
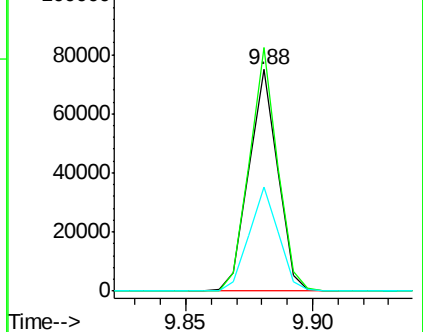
160 47.1 38.3 57.5

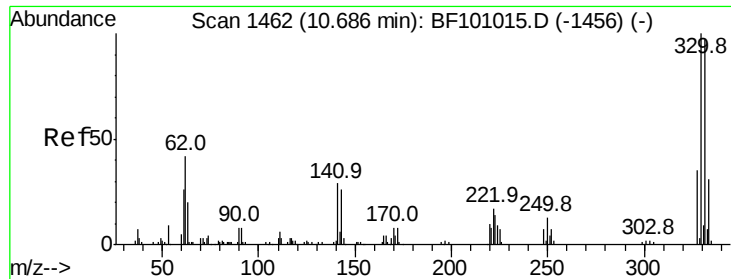


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

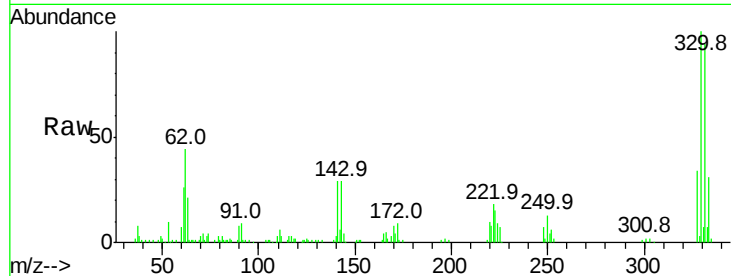




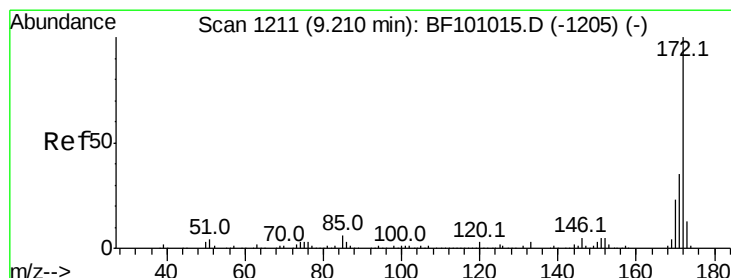
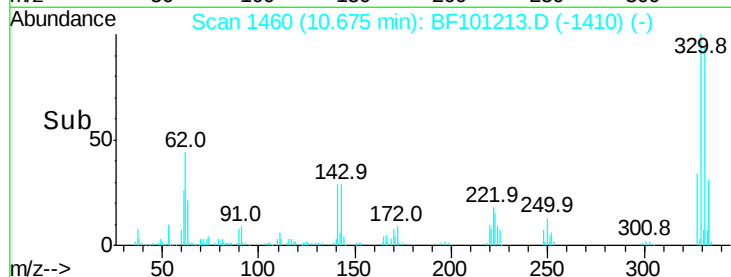
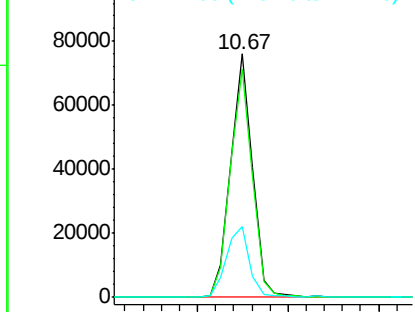
#41
 2,4,6-Tribromophenol
 Concen: 89.394 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101213.D
 Acq: 7 Dec 2017 18:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 64044
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 30.8 29.9 44.9

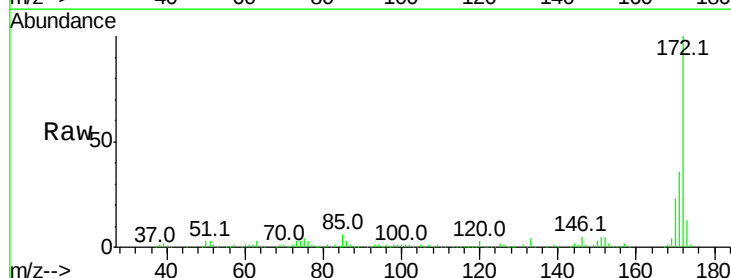


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

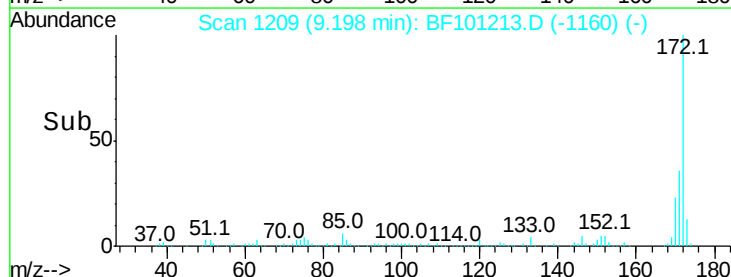
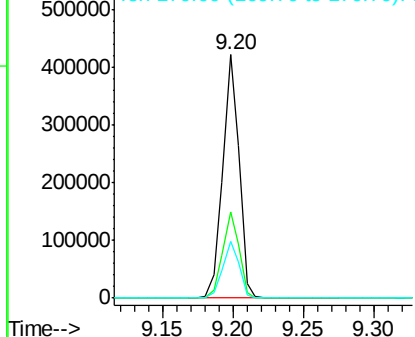


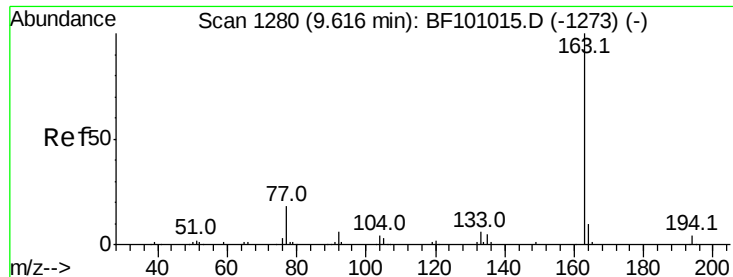
#44
 2-Fluorobiphenyl
 Concen: 77.904 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101213.D
 Acq: 7 Dec 2017 18:52

Tgt Ion:172 Resp: 339573
 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

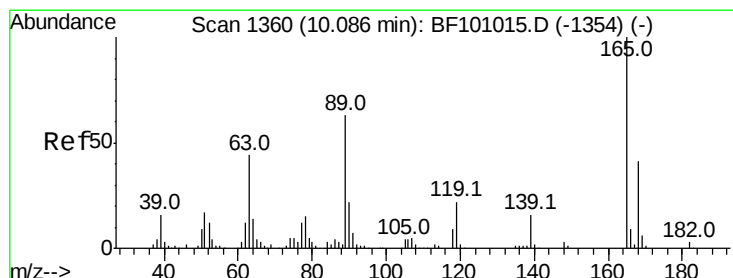
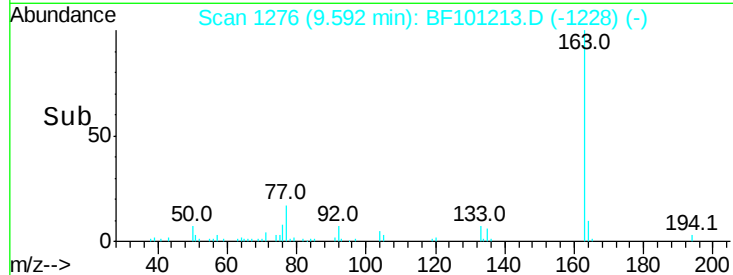
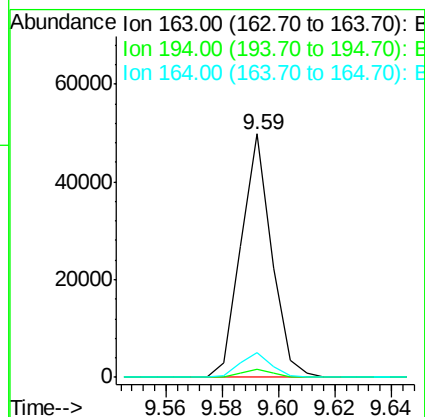
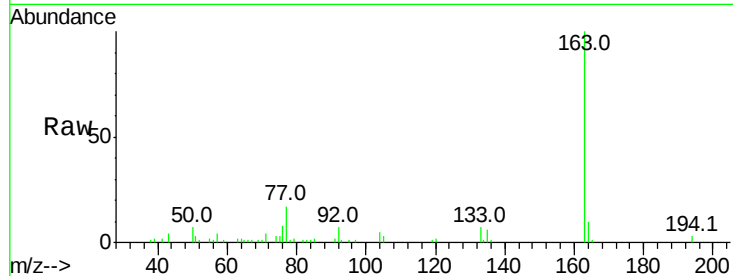




#49
Dimethylphthalate
Concen: 7.812 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

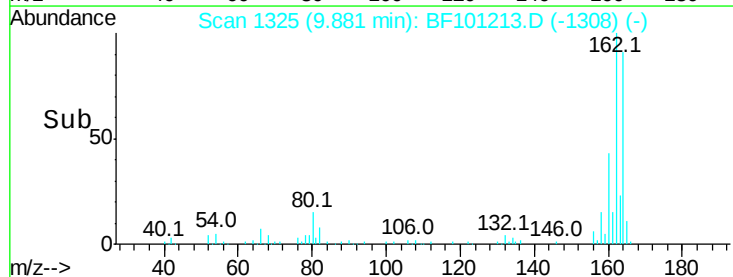
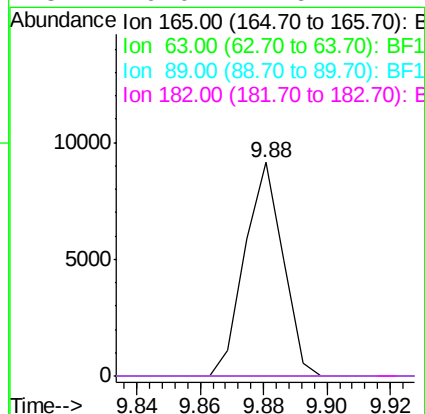
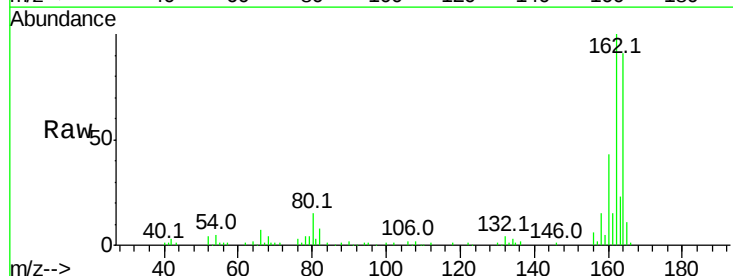
Instrument :
BNA_F
ClientSampleId :

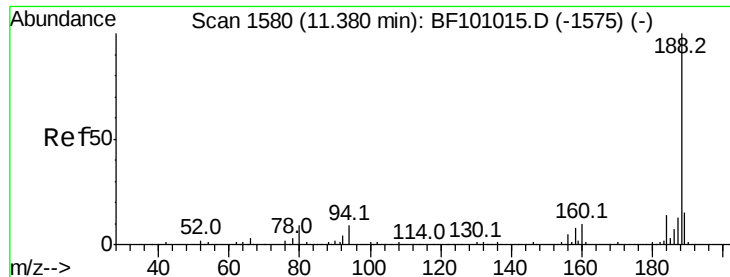
Tot Ion:163 Resp: 37575
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.0 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.613 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.20 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Tgt Ion:165 Resp: 7621
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#

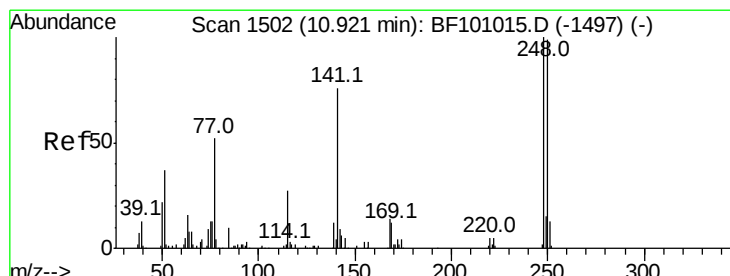
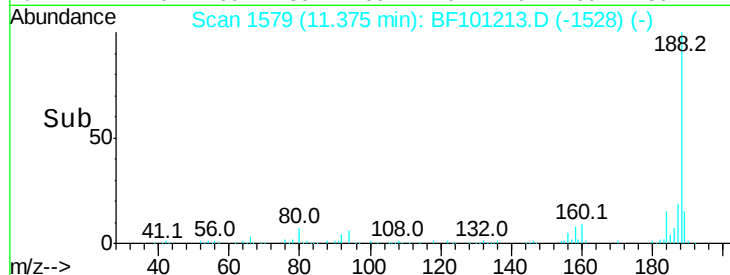
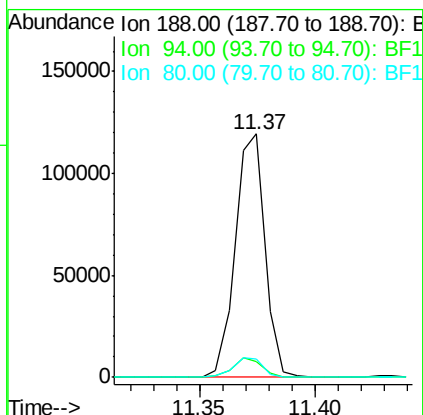
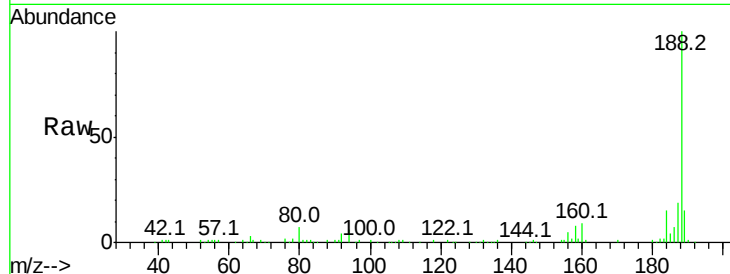




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

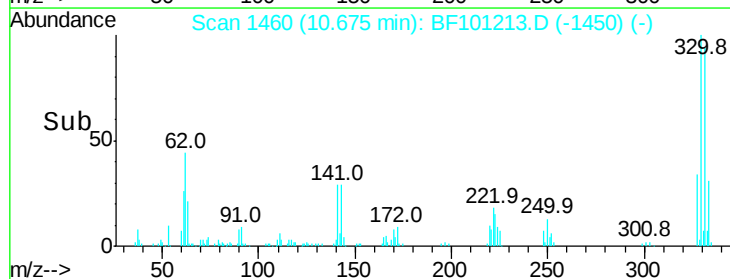
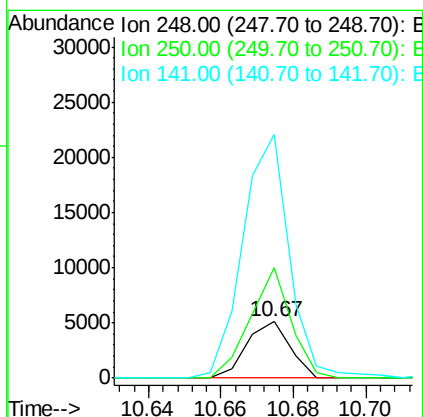
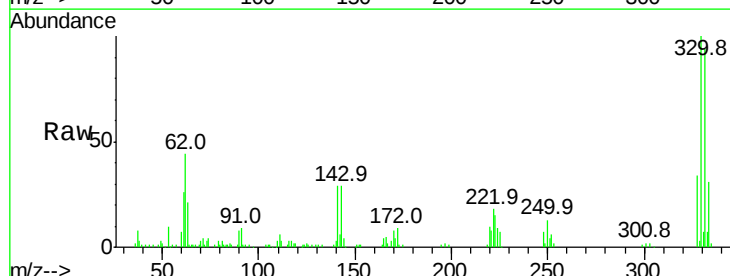
Instrument :
BNA_F
ClientSampleId :

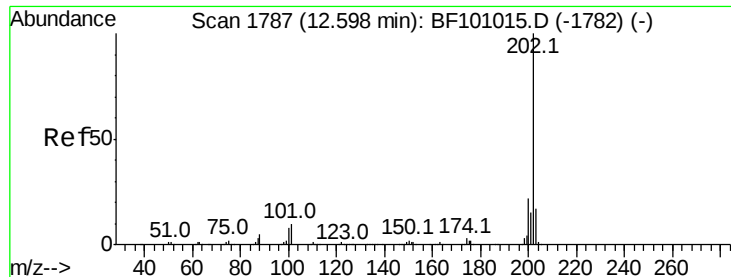
Tot Ion:188 Resp: 106764
Ion Ratio Lower Upper
188 100
94 6.3 8.5 12.7#
80 7.3 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.549 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Tgt Ion:248 Resp: 4241
Ion Ratio Lower Upper
248 100
250 195.8 76.9 115.3#
141 430.4 74.4 111.6#





#74

Fluoranthene

Concen: 3.636 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampleId :

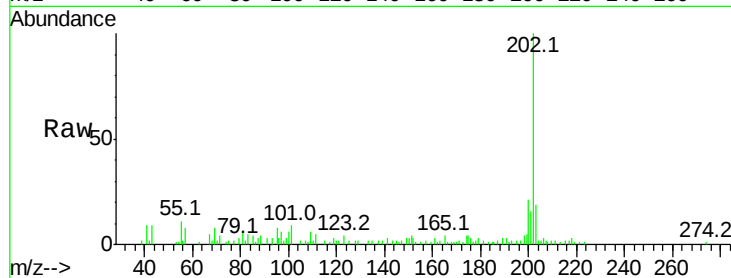
Tot Ion:202 Resp: 23695

Ion Ratio Lower Upper

202 100

101 8.9 0.0 34.1

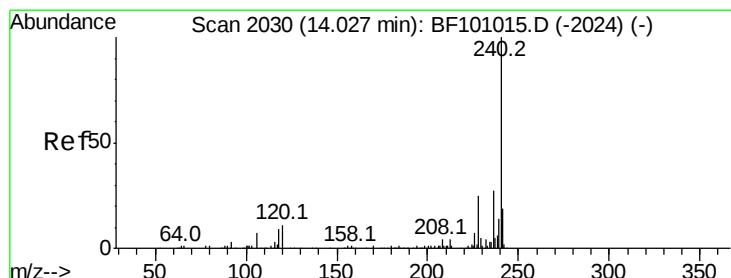
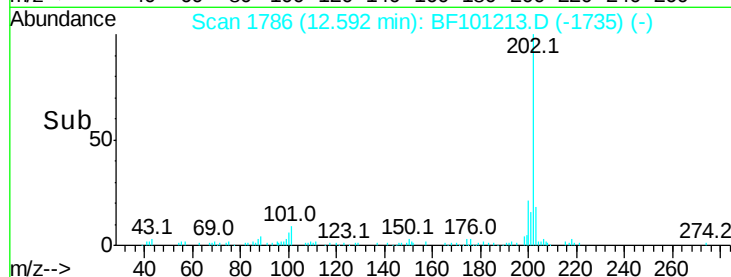
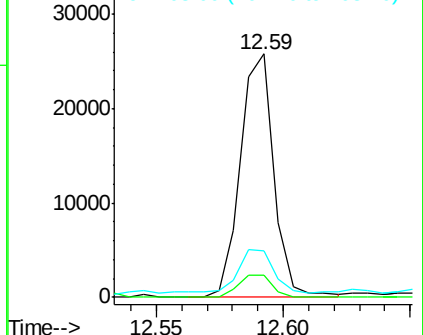
203 19.3 0.0 38.1



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: BF101213.D

Acq: 7 Dec 2017 18:52

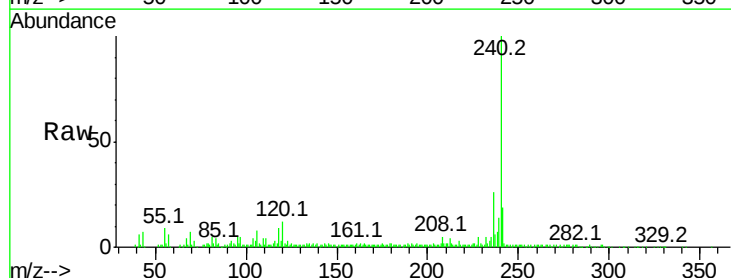
Tgt Ion:240 Resp: 84967

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

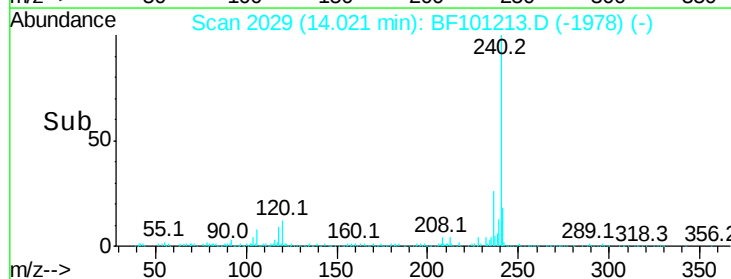
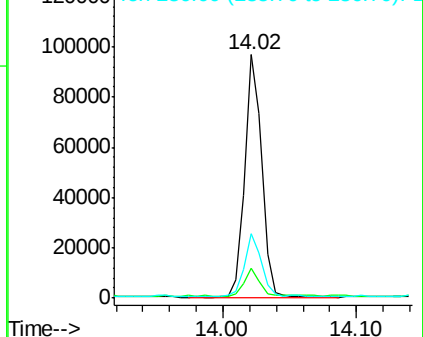
236 26.3 20.7 31.1

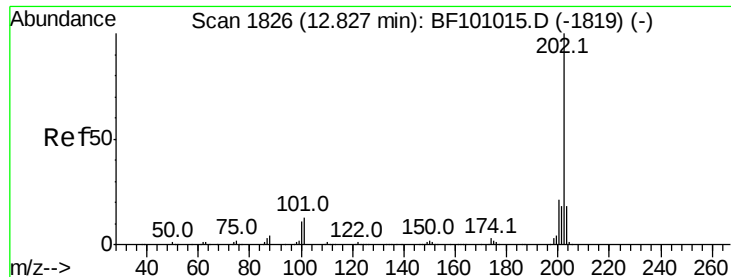


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.066 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampleId :

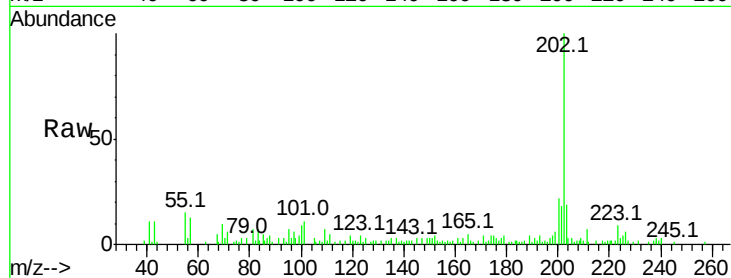
Tot Ion:202 Resp: 23841

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

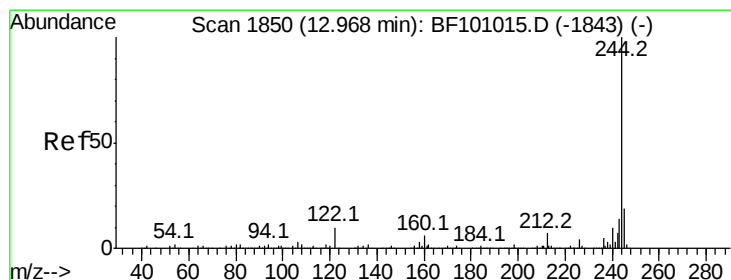
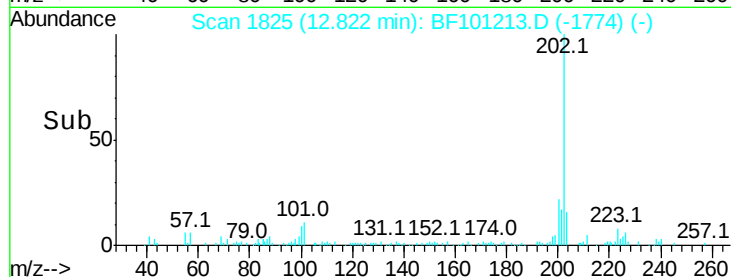
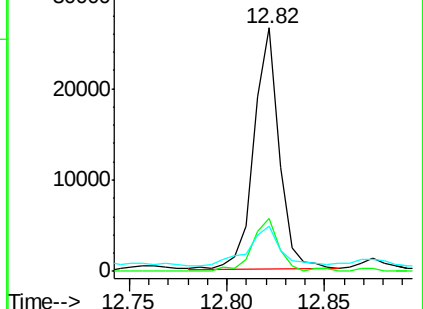
203 18.7 14.3 21.5



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: 76.670 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

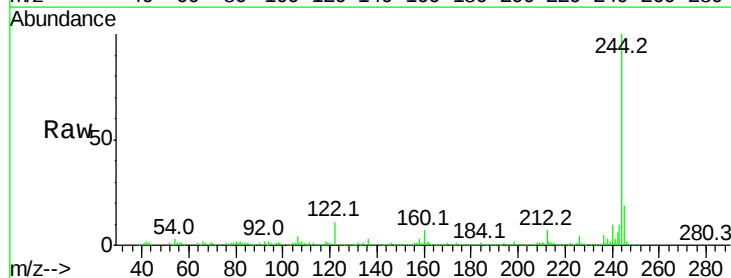
Tgt Ion:244 Resp: 297835

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

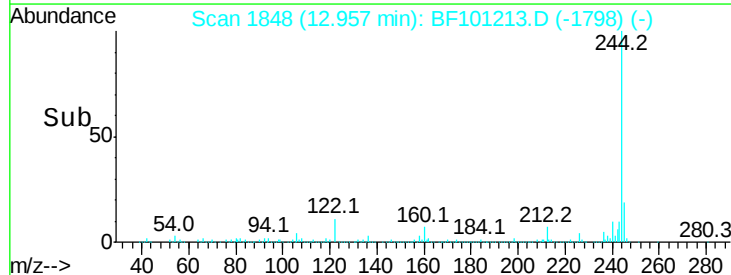
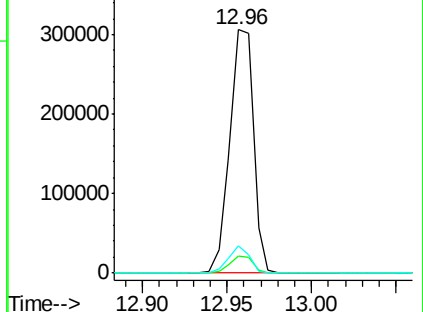
122 11.4 11.0 16.4

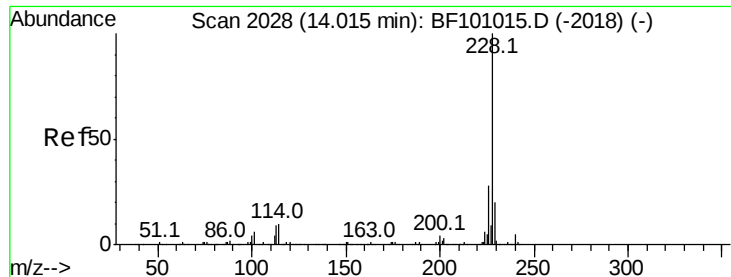


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.199 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

Instrument :

BNA_F

ClientSampleId :

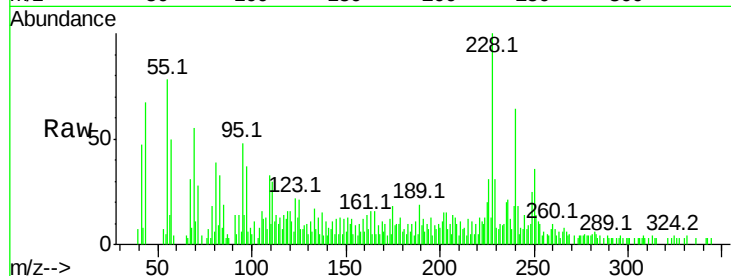
Tot Ion:228 Resp: 11799

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

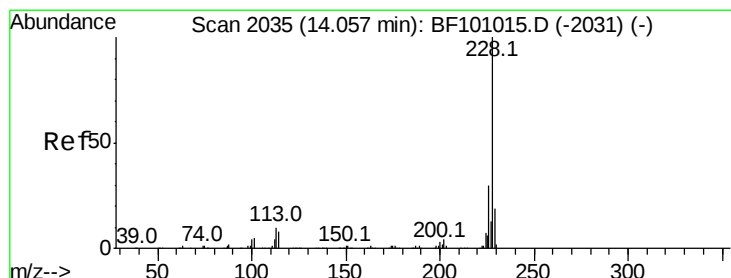
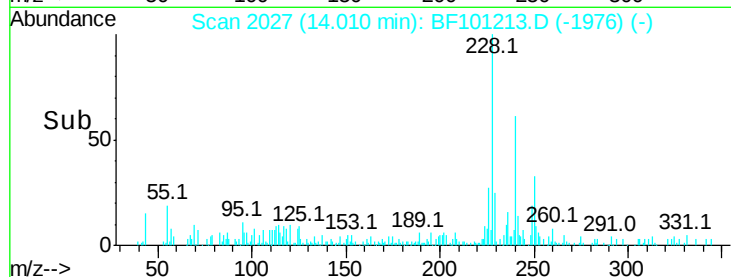
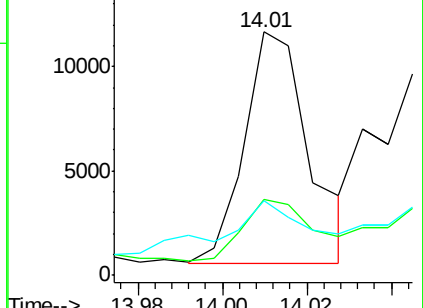
229 30.9 15.8 23.6#



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: 2.659 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF101213.D

Acq: 7 Dec 2017 18:52

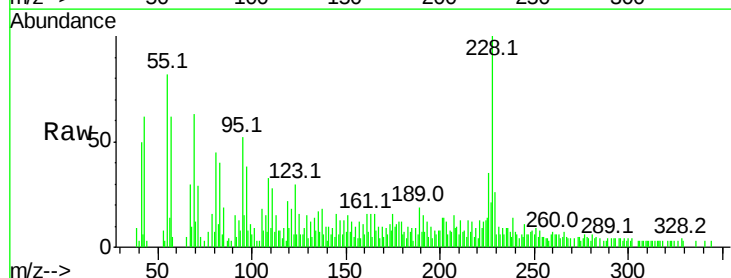
Tgt Ion:228 Resp: 13250

Ion Ratio Lower Upper

228 100

226 35.4 25.0 37.6

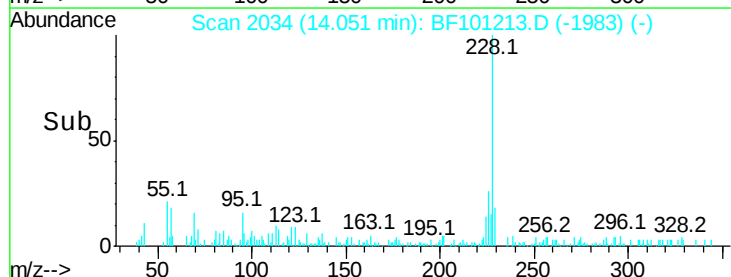
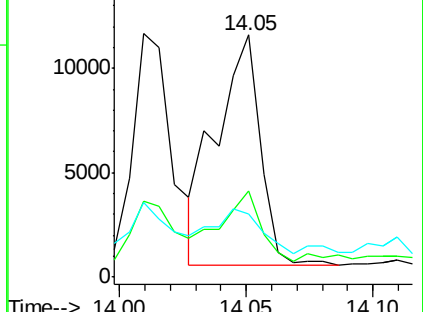
229 25.9 16.2 24.4#

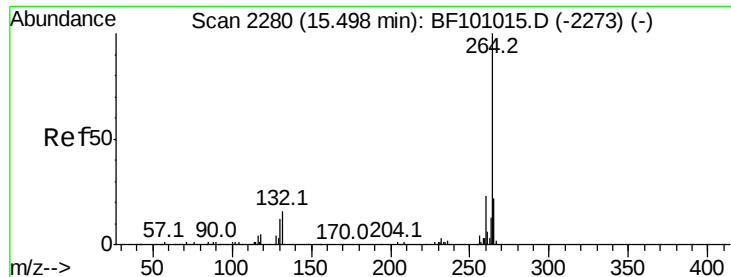


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

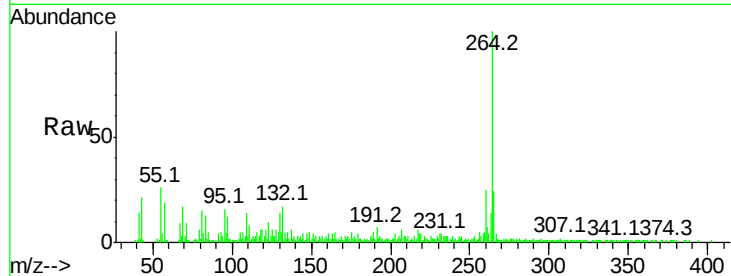




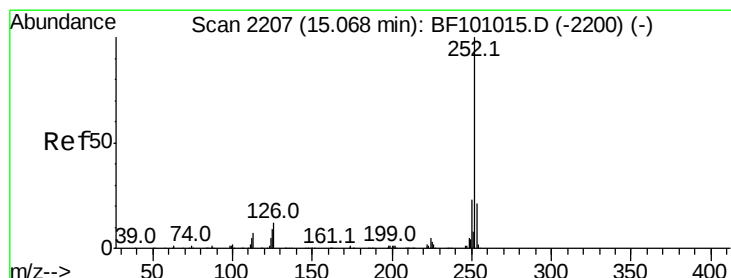
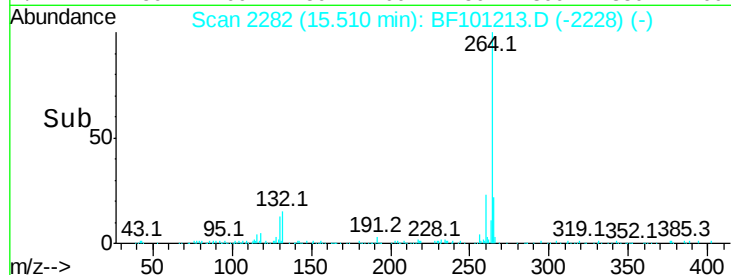
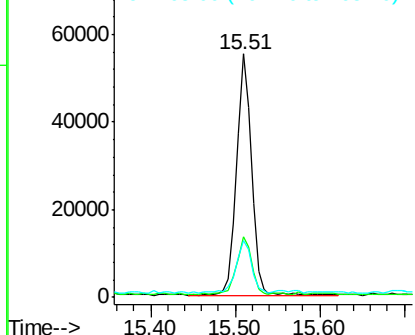
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 67038
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 23.6 17.5 26.3

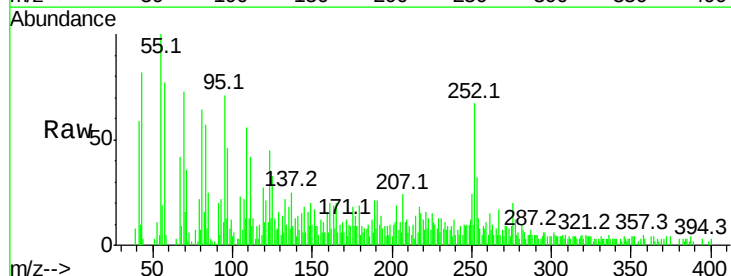


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

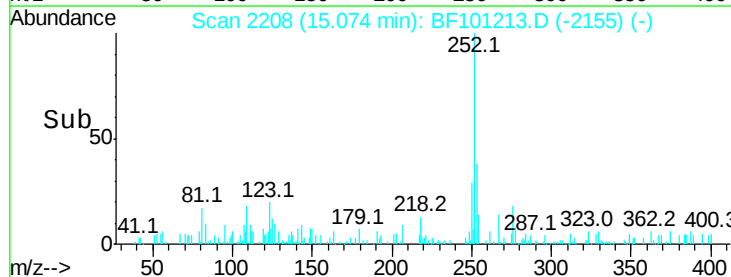
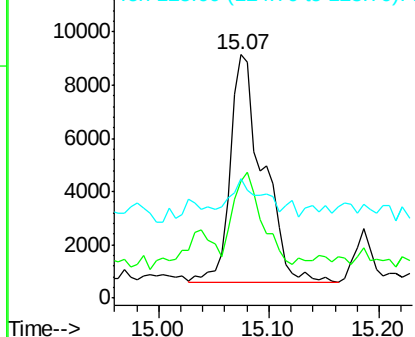


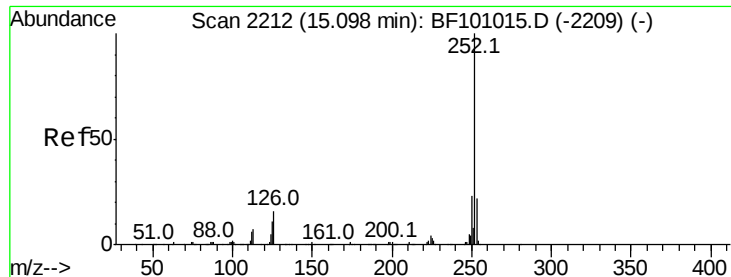
#87
Benzo(b)fluoranthene
Concen: 4.485 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Tgt Ion:252 Resp: 18008
Ion Ratio Lower Upper
252 100
253 47.9 17.0 25.6#
125 48.8 9.0 13.6#



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

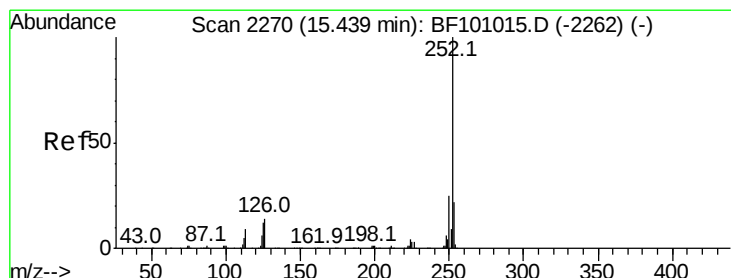
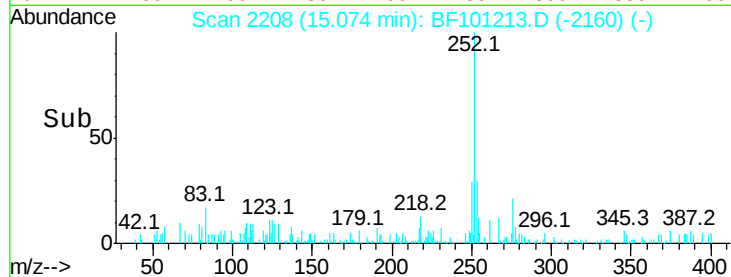
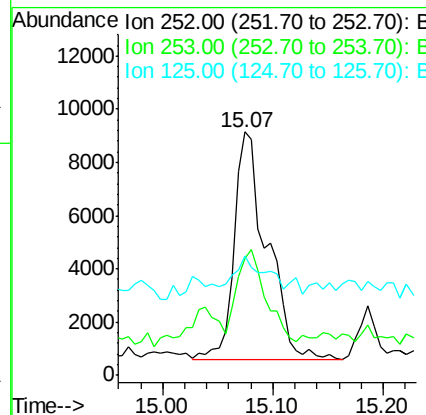
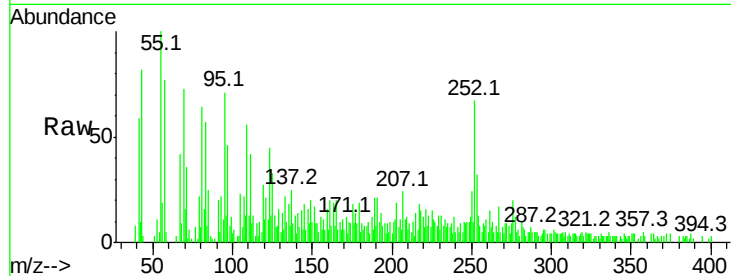




#88
Benzo(k)fluoranthene
Concen: 4.552 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 18008
Ion Ratio Lower Upper
252 100
253 47.9 17.9 26.9#
125 48.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.293 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101213.D
Acq: 7 Dec 2017 18:52

Tgt Ion:252 Resp: 8372
Ion Ratio Lower Upper
252 100
253 33.3 17.1 25.7#
125 49.4 9.8 14.6#

