

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101258.D
 Acq On : 9 Dec 2017 1:23
 Operator : SJ/JU
 Sample : I6705-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 03:47:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	47451	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	174478	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	70497	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	116627	20.00	ng	0.00
75) Chrysene-d12	14.00	240	99456	20.00	ng	0.00
86) Perylene-d12	15.47	264	77302	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	282731	98.46	ng	0.01
7) Phenol-d6	6.46	99	333821	95.75	ng	0.00
23) Nitrobenzene-d5	7.39	82	186921	63.91	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	62570	73.88	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	286669	55.64	ng	0.00
78) Terphenyl-d14	12.94	244	235398	51.77	ng	0.00

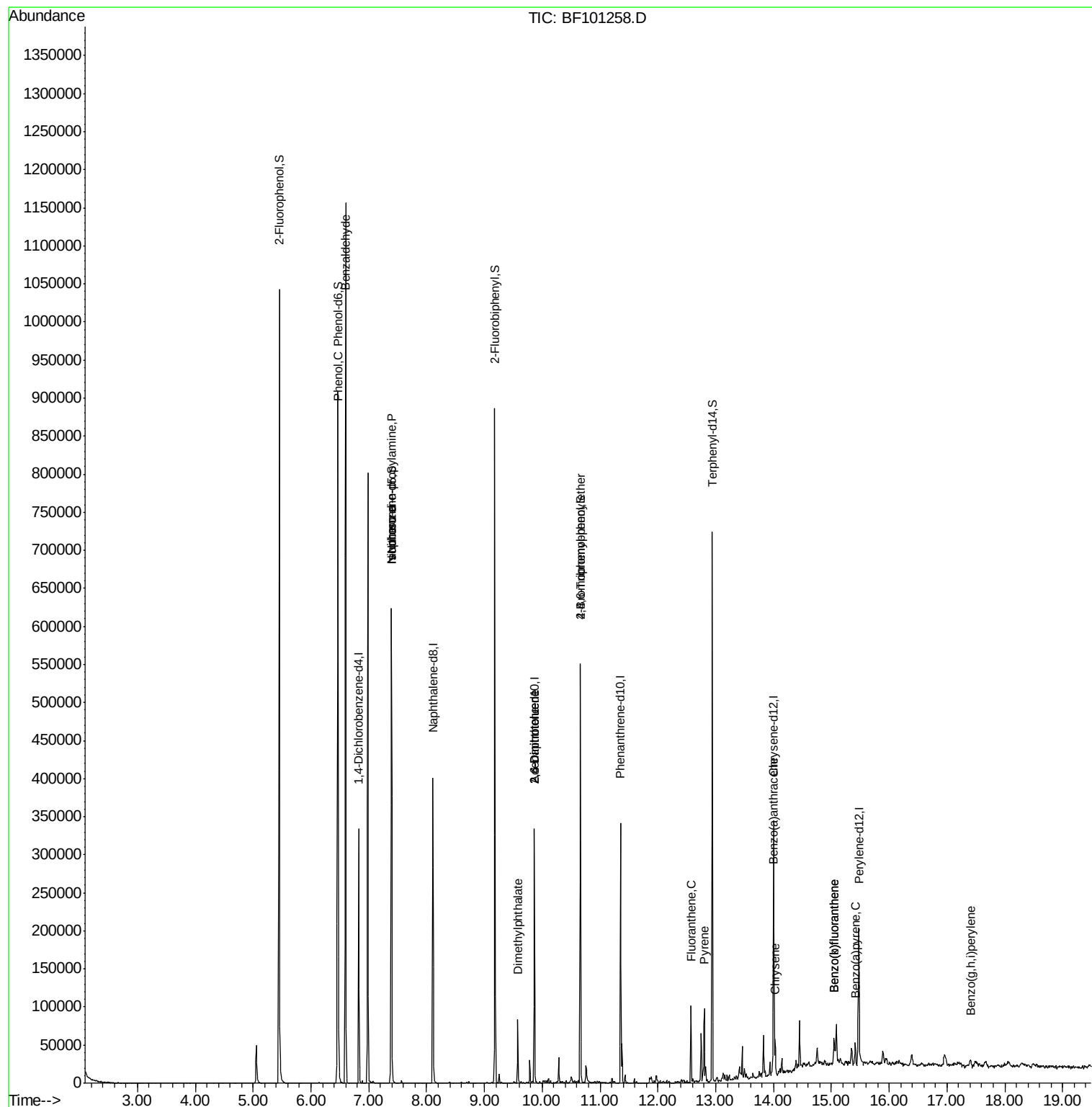
Target Compounds				Qvalue		
9) Benzaldehyde	6.60	77	6187	2.899	ng	85
10) Phenol	6.47	94	9528	2.458	ng	82
19) n-Nitroso-di-n-propylamine	7.39	70	24890	10.601	ng	# 81
25) Isophorone	7.39	82	186920	37.414	ng	# 64
49) Dimethylphthalate	9.57	163	31611	5.560	ng	98
50) 2,6-Dinitrotoluene	9.87	165	8623	7.201	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	8623	5.373	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3957	3.031	ng	# 1
74) Fluoranthene	12.57	202	39813	5.592	ng	93
77) Pyrene	12.80	202	36705	5.348	ng	100
80) Benzo(a)anthracene	13.99	228	20970	3.339	ng	99
82) Chrysene	14.03	228	17586	3.015	ng	97
87) Benzo(b)fluoranthene	15.04	252	25995	5.614	ng	97
88) Benzo(k)fluoranthene	15.04	252	25995	5.698	ng	97
89) Benzo(a)pyrene	15.42	252	13031	3.096	ng	# 91
91) Benzo(g,h,i)perylene	17.41	276	7848	2.244	ng	# 90

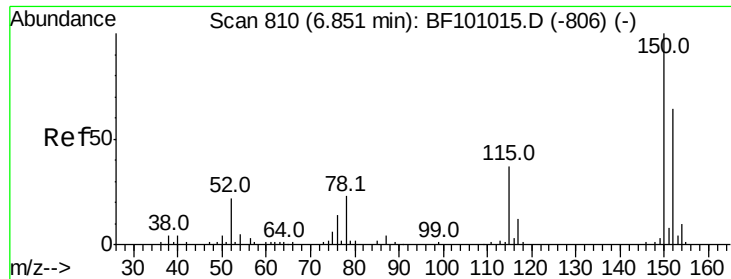
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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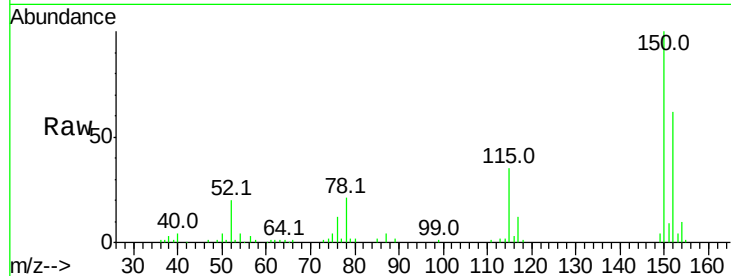


#1

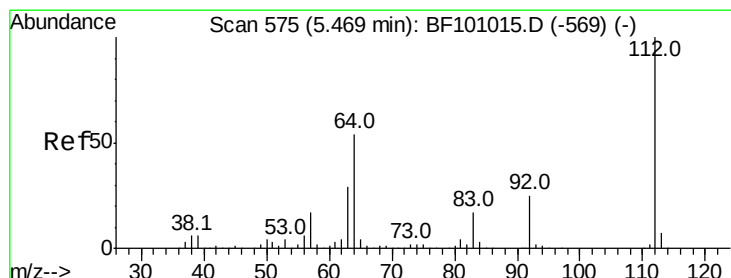
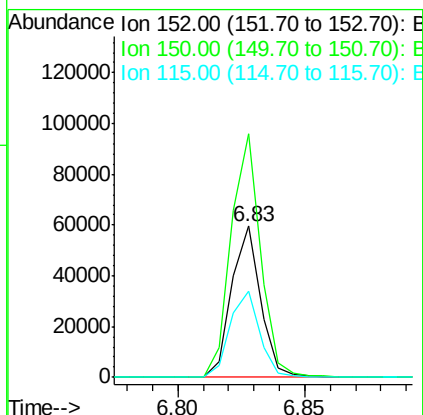
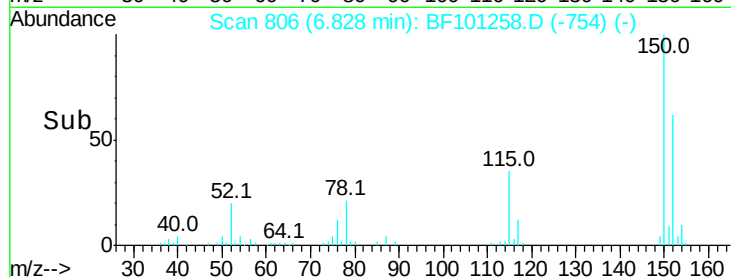
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 47451
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 56.9 50.1 75.1



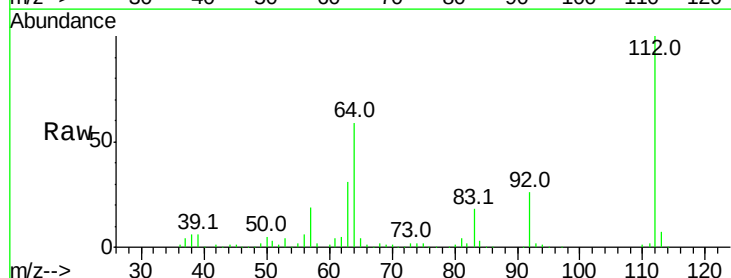
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



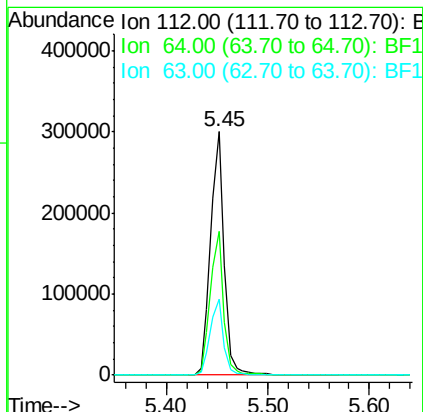
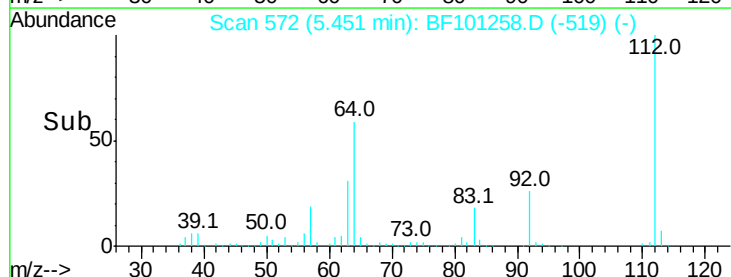
#5

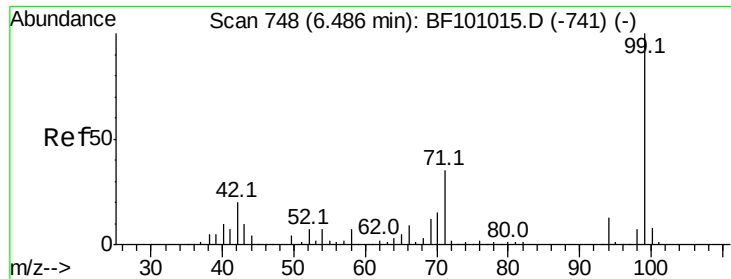
2-Fluorophenol
Concen: 98.459 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:112 Resp: 282731
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 31.1 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: 95.751 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

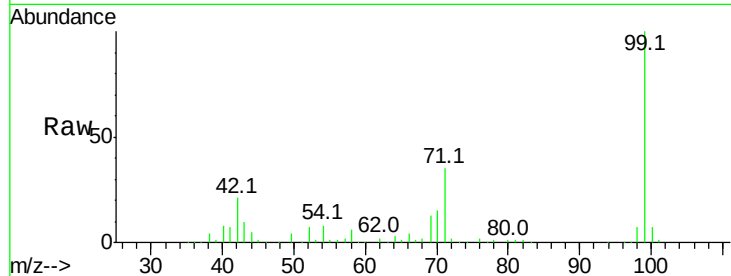
Tot Ion: 99 Resp: 333821

Ion Ratio Lower Upper

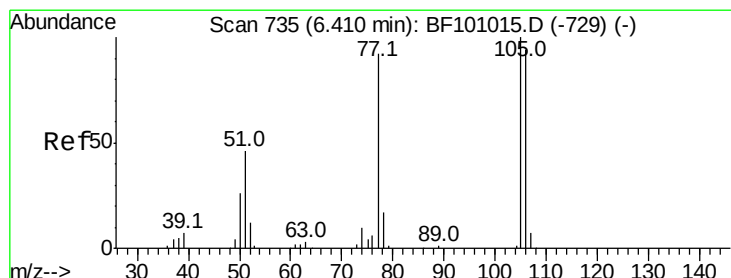
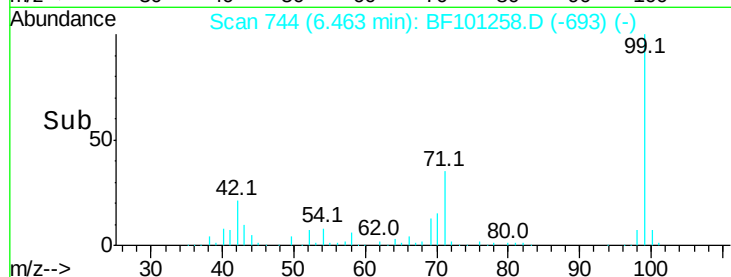
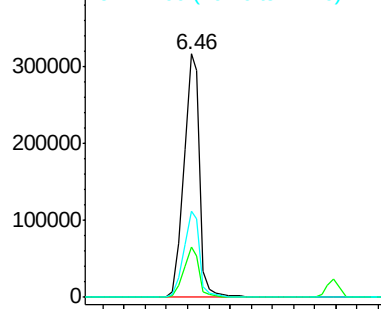
99 100

42 20.7 14.5 21.7

71 35.3 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: 2.899 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

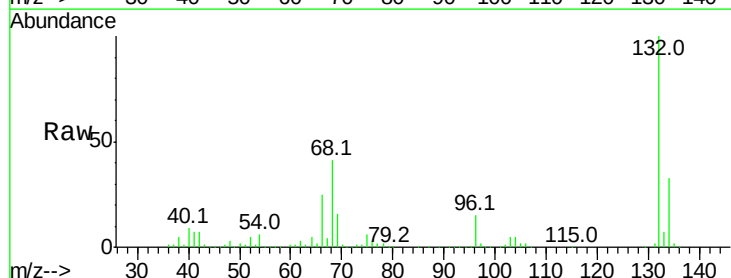
Tgt Ion: 77 Resp: 6187

Ion Ratio Lower Upper

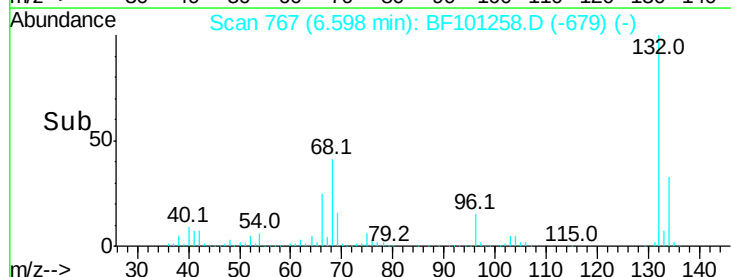
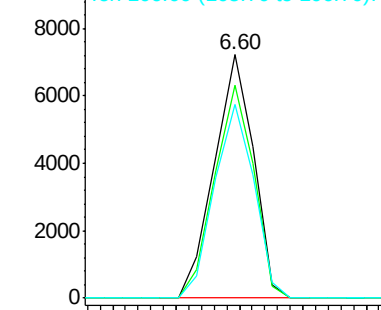
77 100

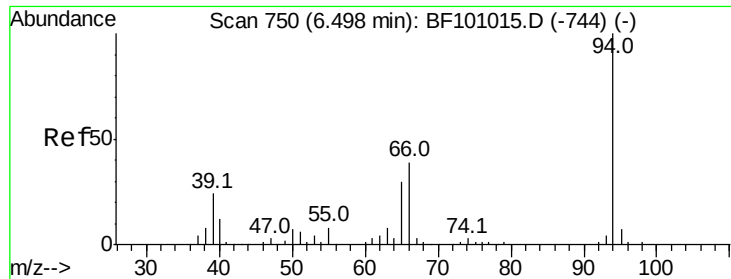
105 87.4 81.1 121.1

106 79.6 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

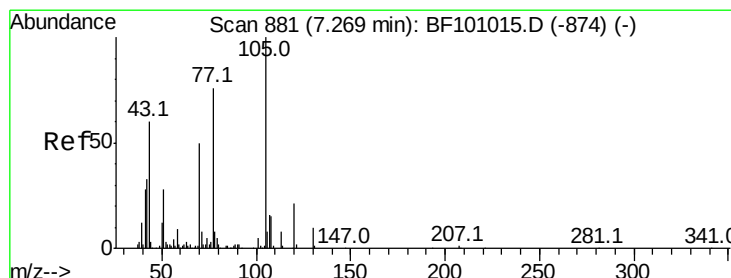
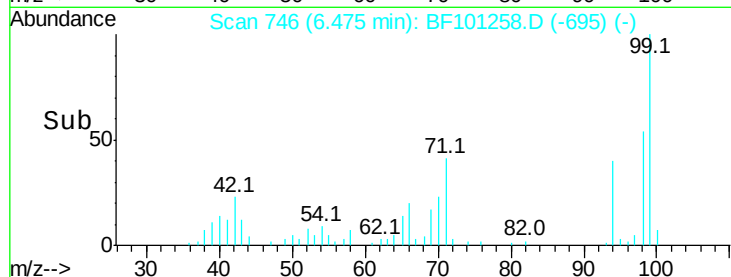
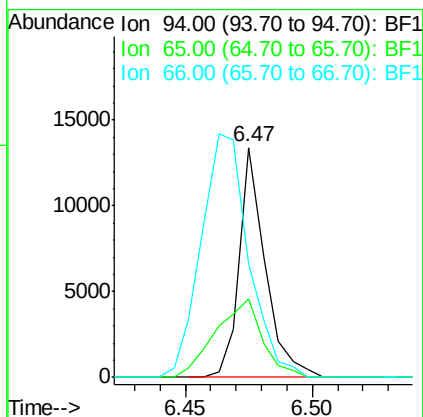
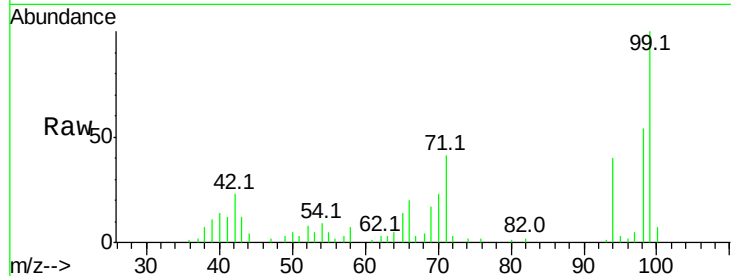




#10
Phenol
Concen: 2.458 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

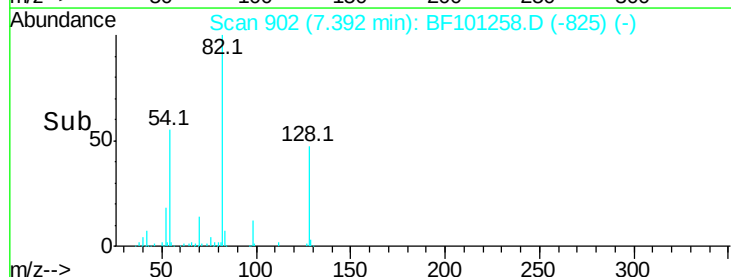
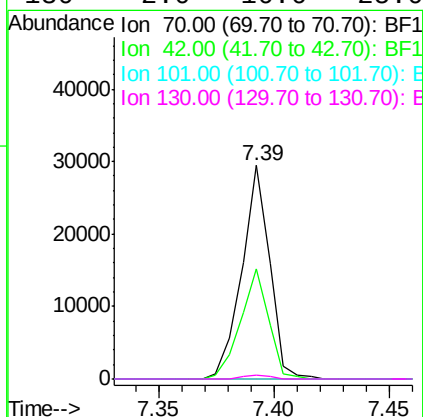
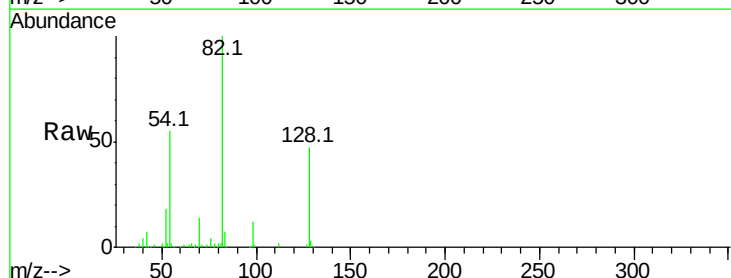
Instrument :
BNA_F
ClientSampleId :

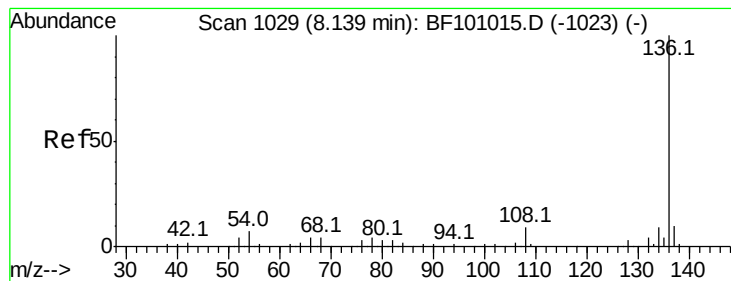
Tot Ion: 94 Resp: 9528
Ion Ratio Lower Upper
94 100
65 34.2 7.9 47.9
66 49.3 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.601 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion: 70 Resp: 24890
Ion Ratio Lower Upper
70 100
42 51.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 174478

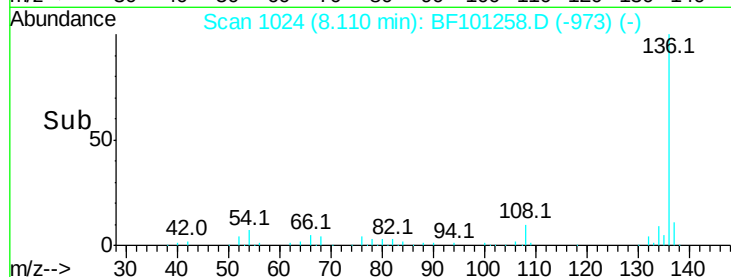
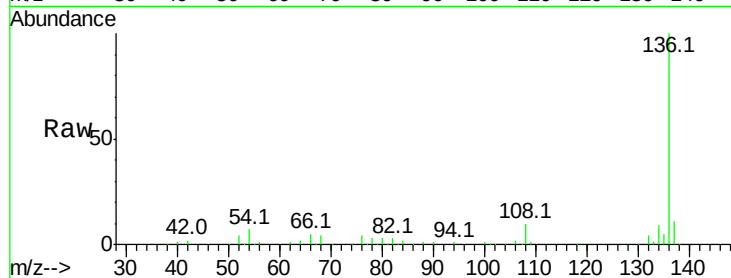
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 4.4 5.0 7.4#

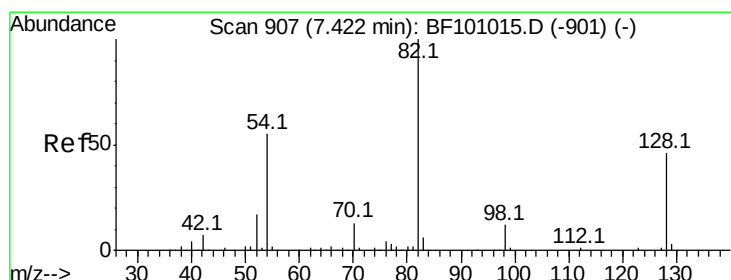
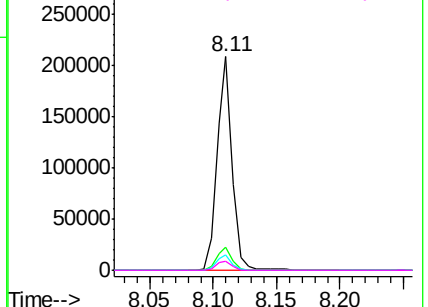


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.907 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

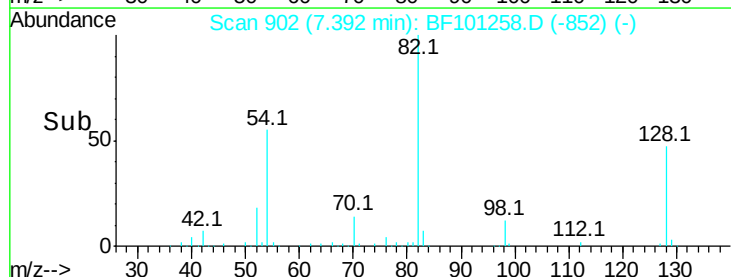
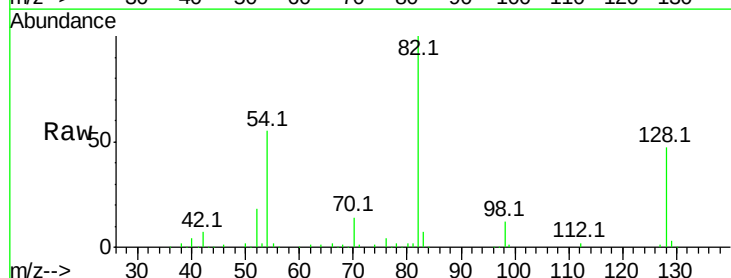
Tgt Ion: 82 Resp: 186921

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

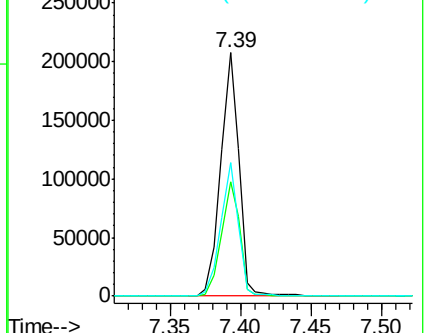
54 55.1 41.4 62.2

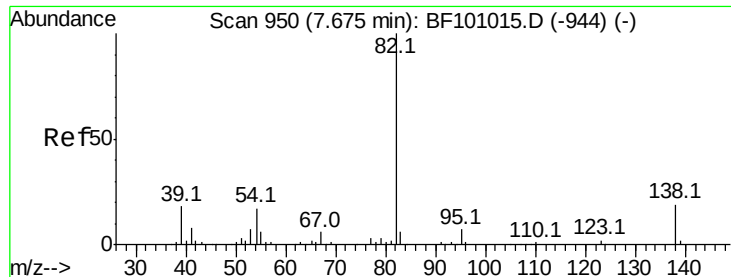


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.414 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

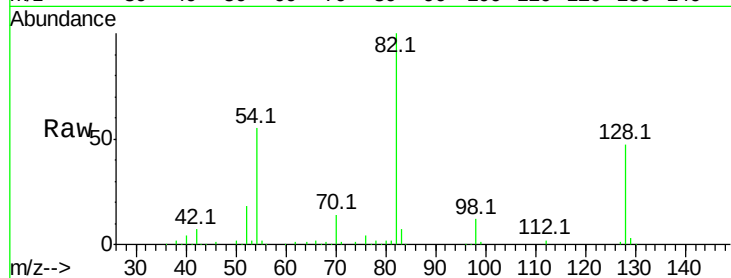
Tot Ion: 82 Resp: 186920

Ion Ratio Lower Upper

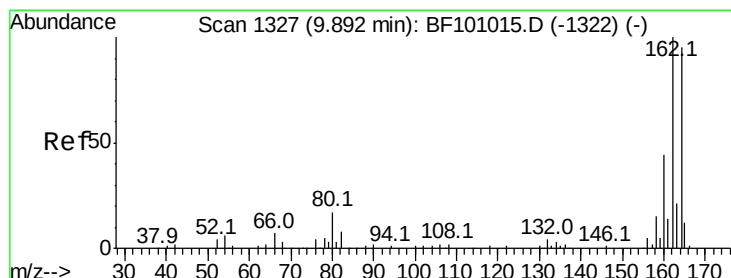
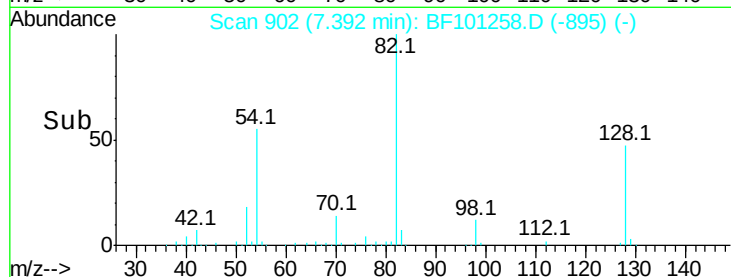
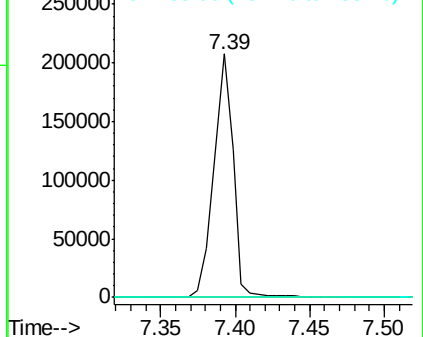
82 100

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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

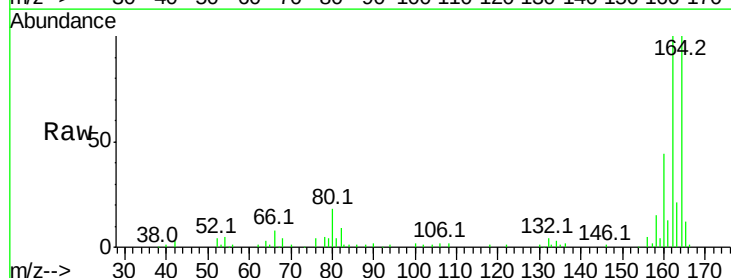
Tgt Ion:164 Resp: 70497

Ion Ratio Lower Upper

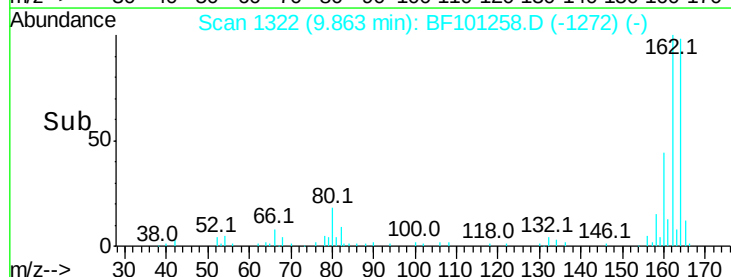
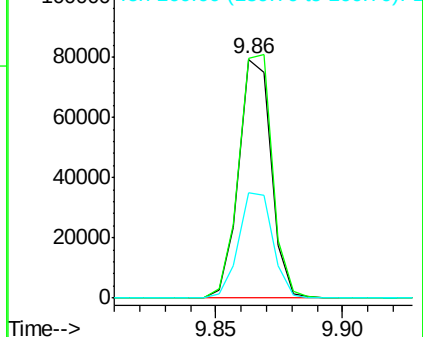
164 100

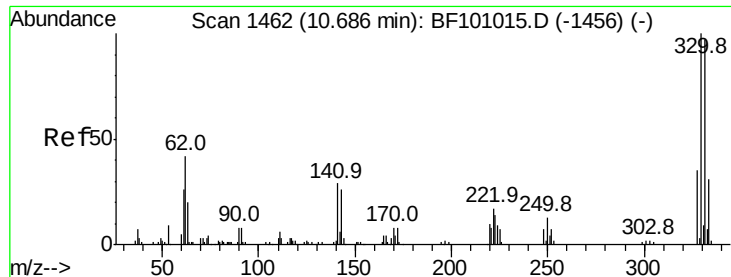
162 100.3 86.1 129.1

160 44.3 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

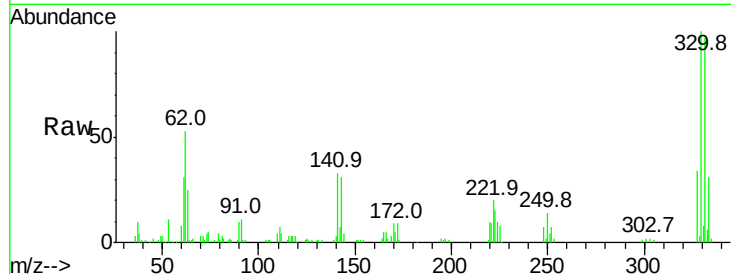




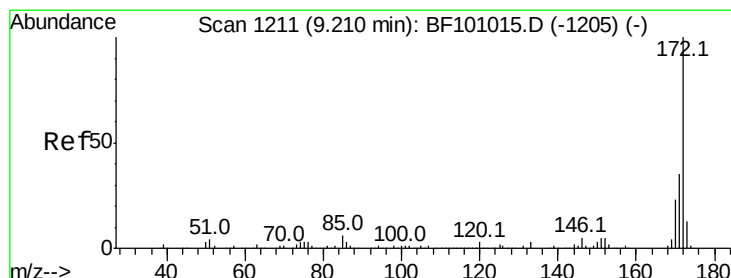
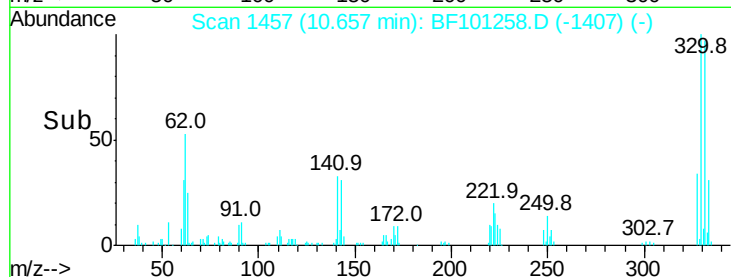
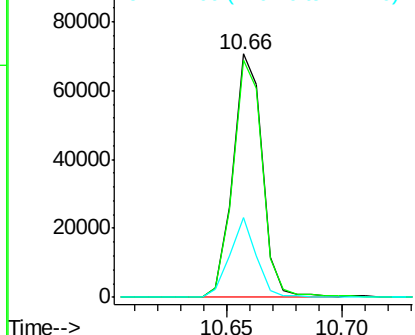
#41
 2,4,6-Tribromophenol
 Concen: 73.884 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 62570
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 29.5 29.9 44.9#

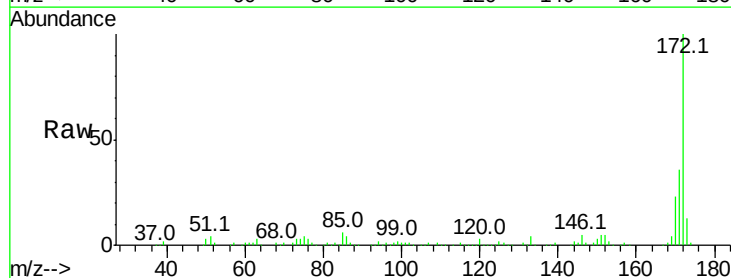


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

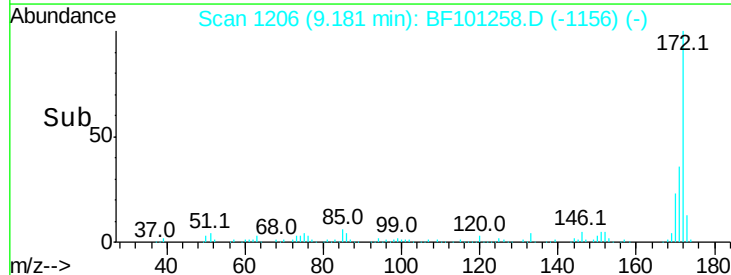
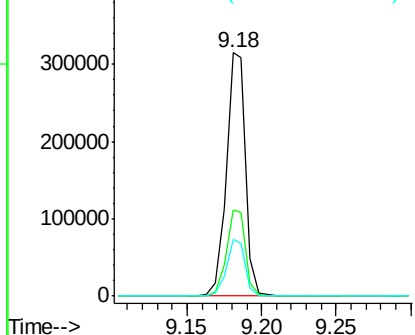


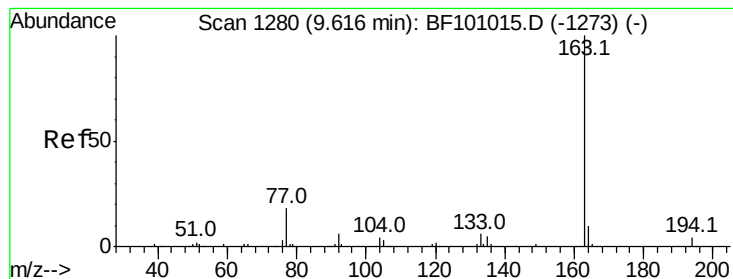
#44
 2-Fluorobiphenyl
 Concen: 55.636 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Tgt Ion:172 Resp: 286669
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.4 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: 5.560 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

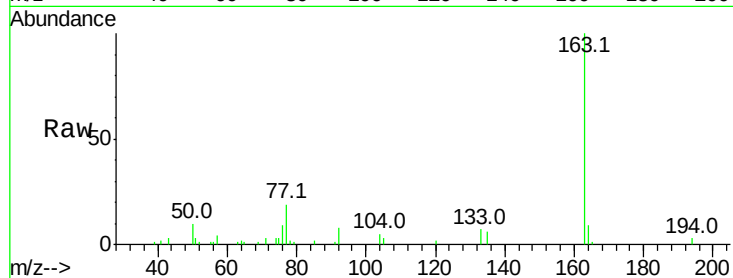
Tot Ion:163 Resp: 31611

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

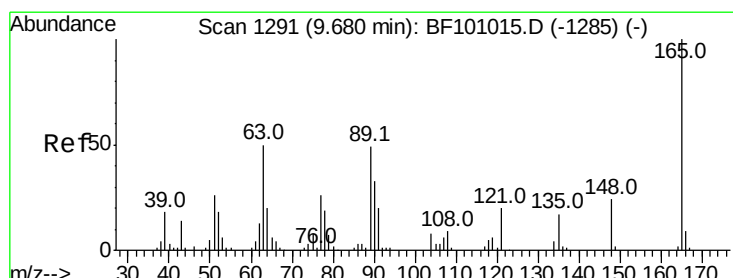
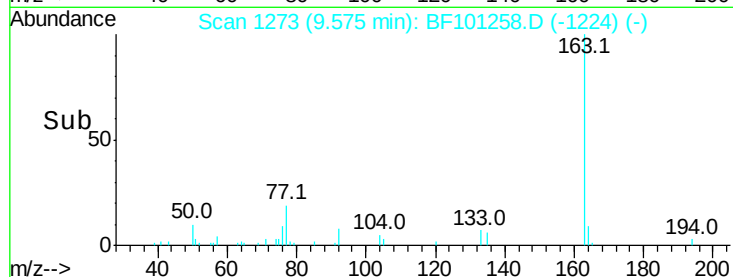
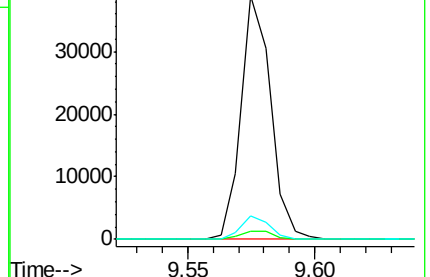
164 9.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.201 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

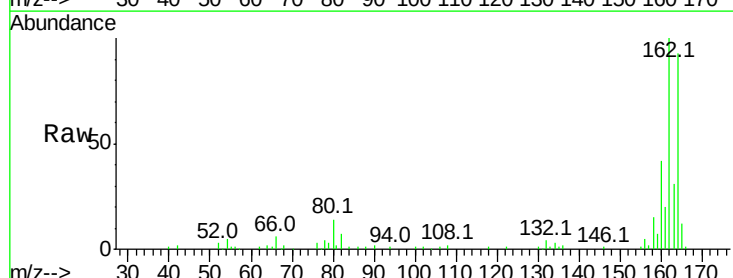
Tgt Ion:165 Resp: 8623

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

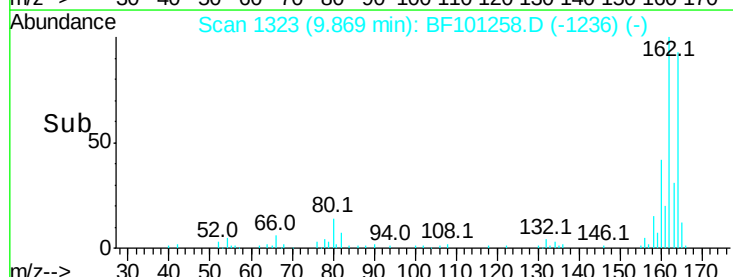
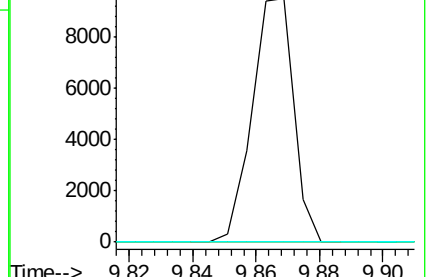
89 0.0 44.0 66.0#

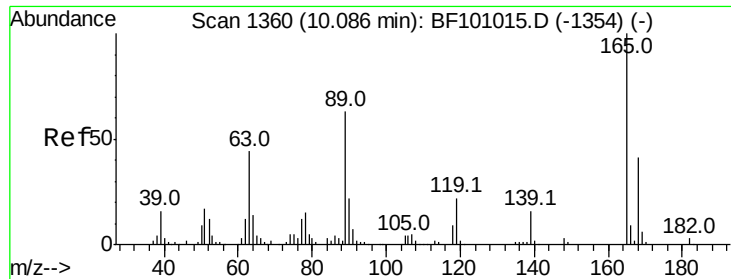


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 5.373 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 8623

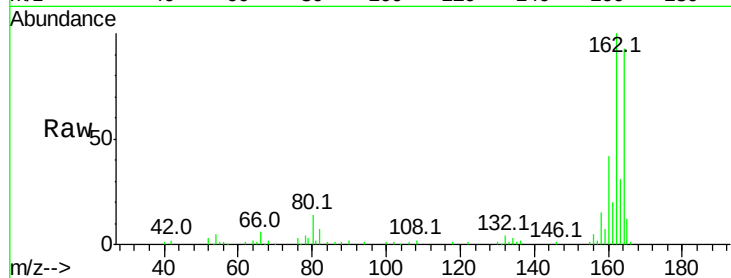
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

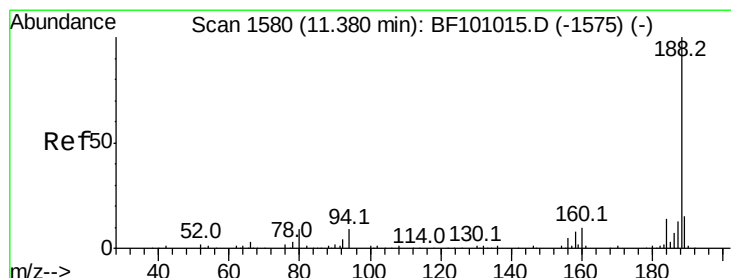
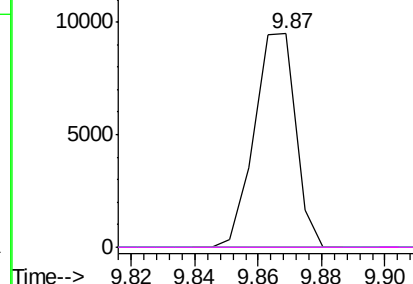
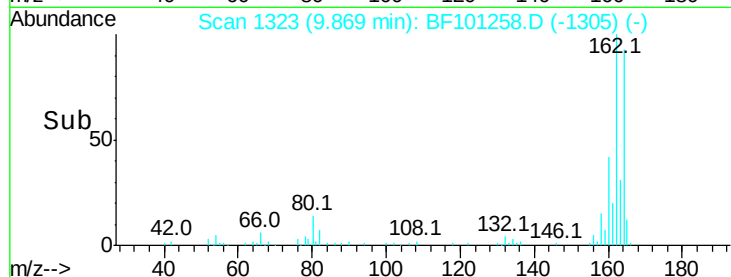


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

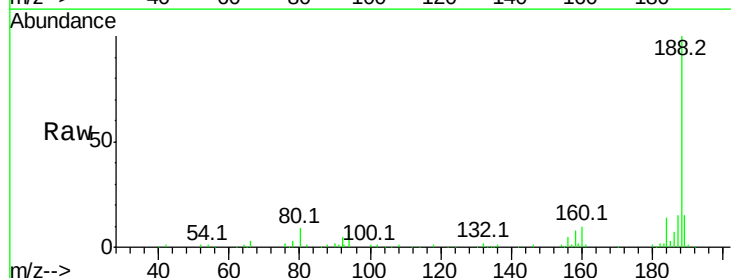
Tgt Ion:188 Resp: 116627

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

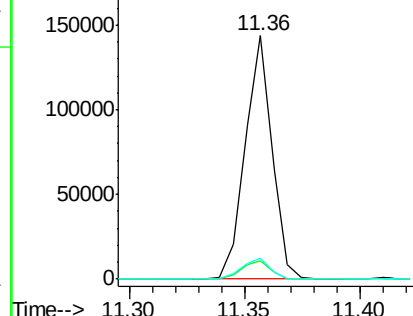
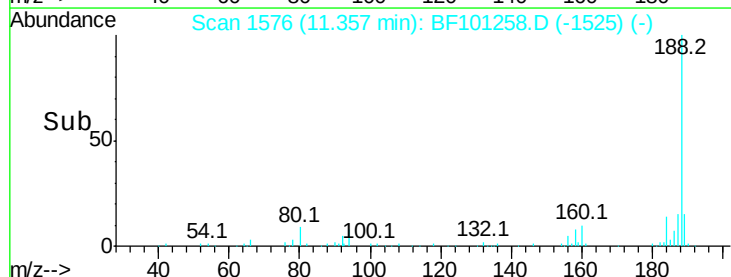
80 8.6 9.2 13.8#

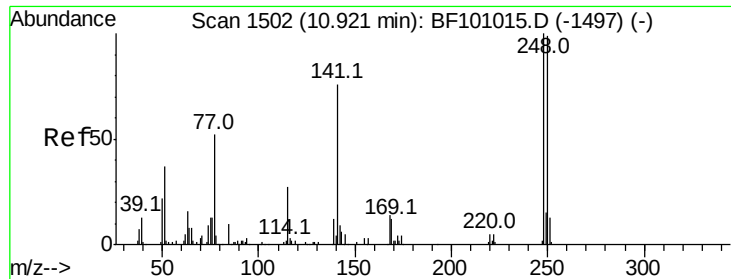


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

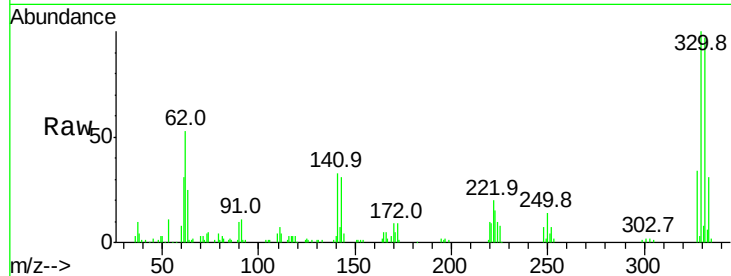




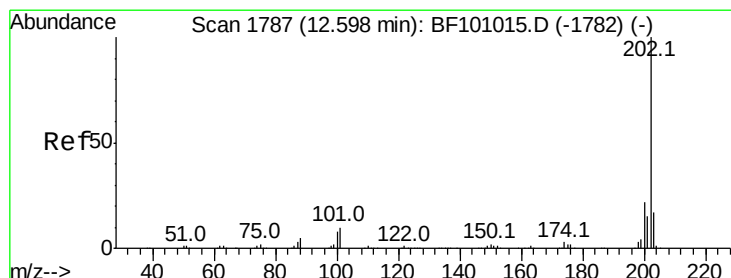
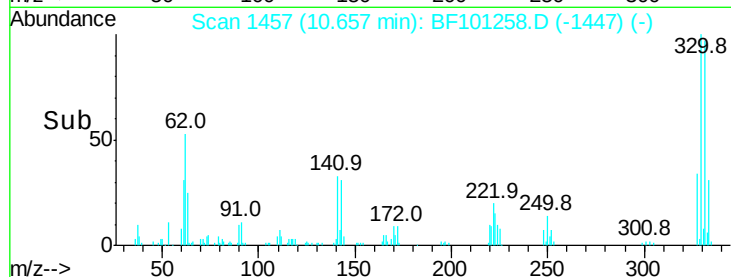
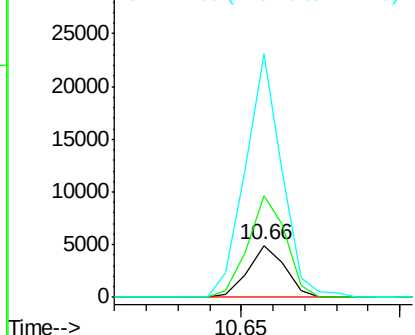
#66
 4-Bromophenyl-phenylether
 Concen: 3.031 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 3957
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.9 115.3#
 141 471.0 74.4 111.6#

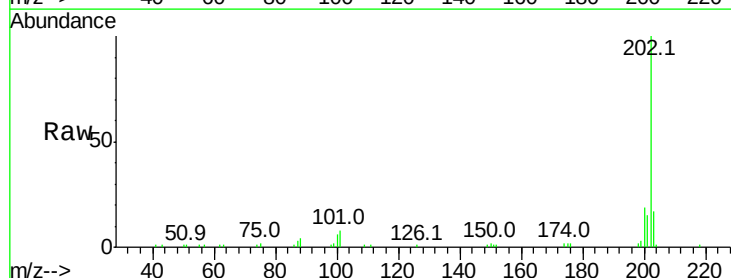


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

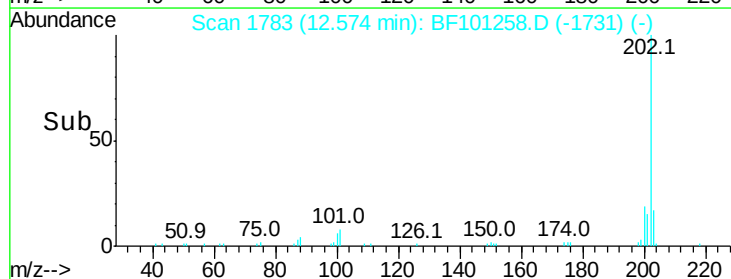
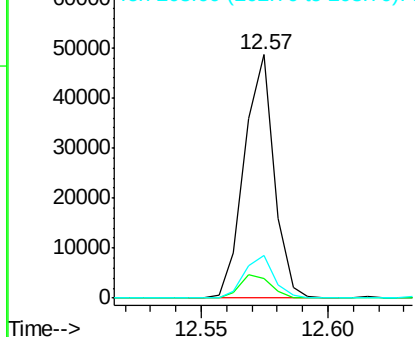


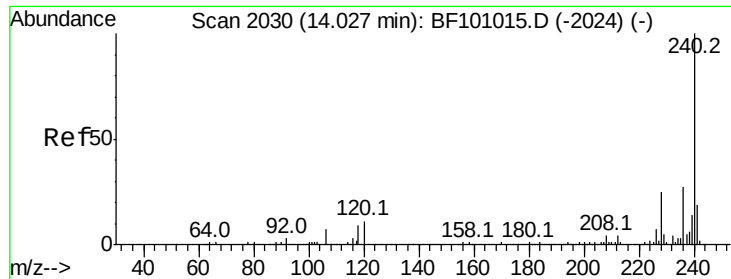
#74
 Fluoranthene
 Concen: 5.592 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Tgt Ion:202 Resp: 39813
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 34.1
 203 17.4 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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

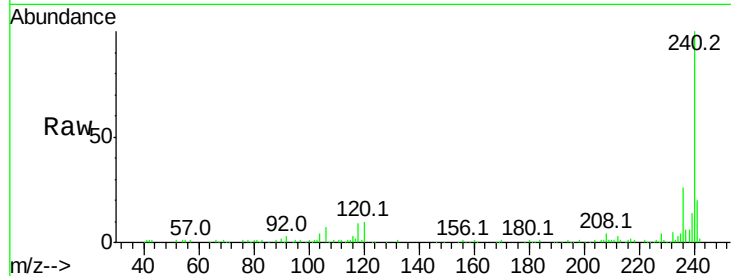
Tot Ion:240 Resp: 99456

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

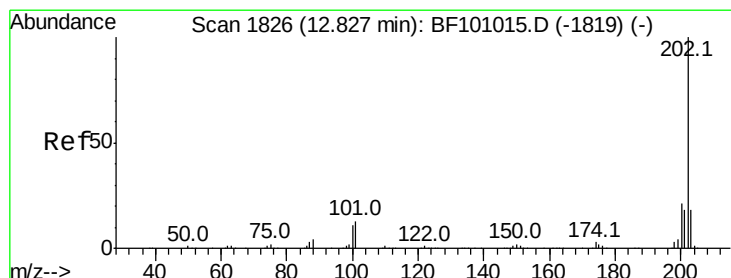
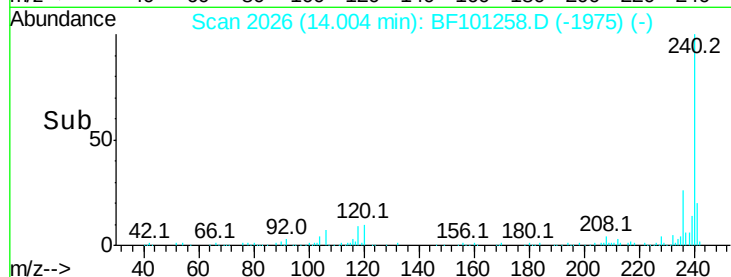
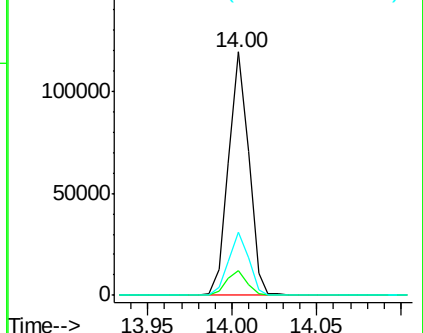
236 25.7 20.7 31.1



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: 5.348 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

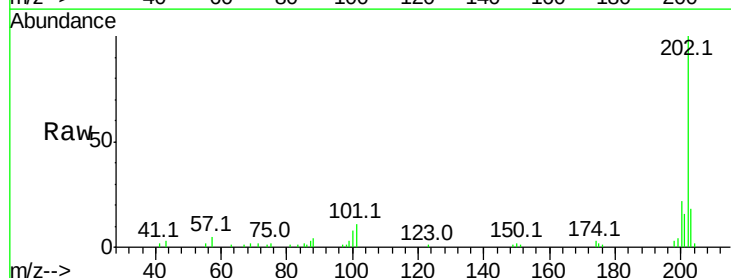
Tgt Ion:202 Resp: 36705

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

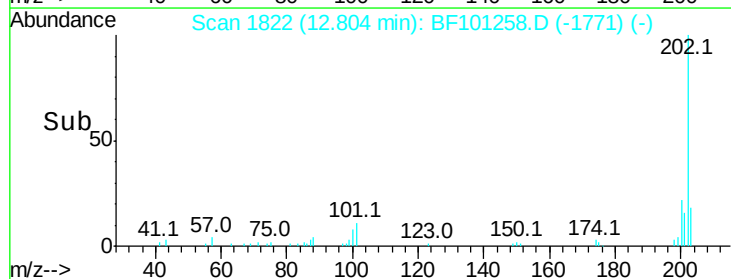
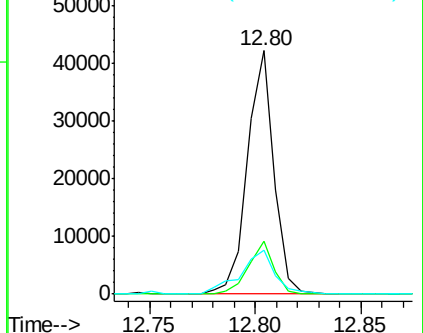
203 17.8 14.3 21.5

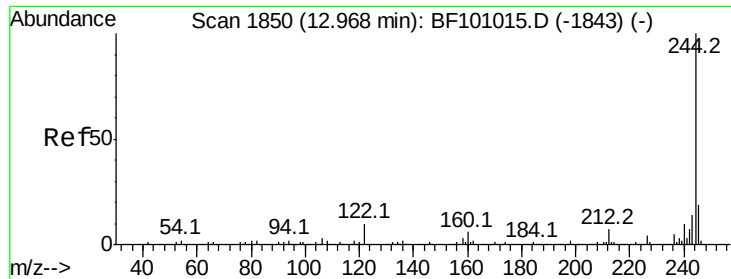


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

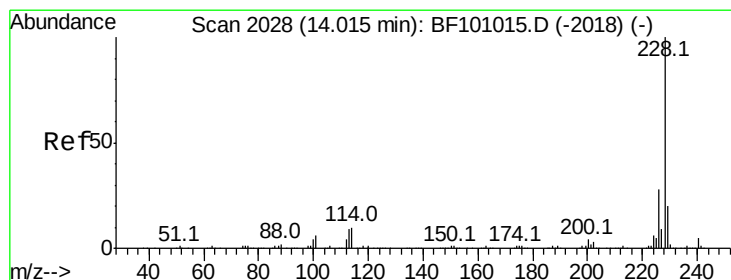
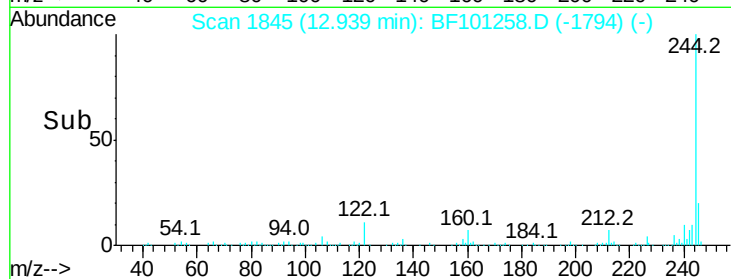
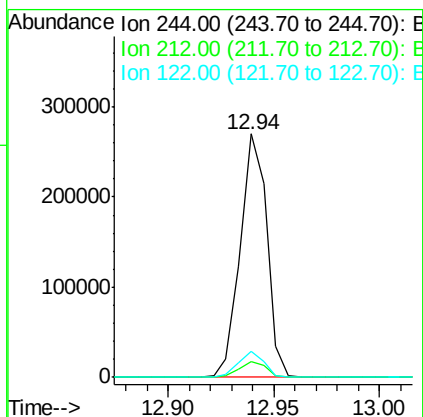
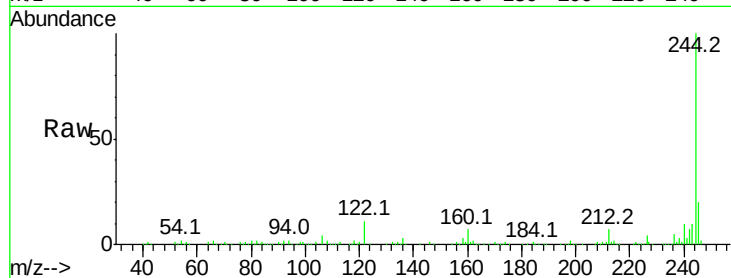




#78
 Terphenyl-d14
 Concen: 51.769 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

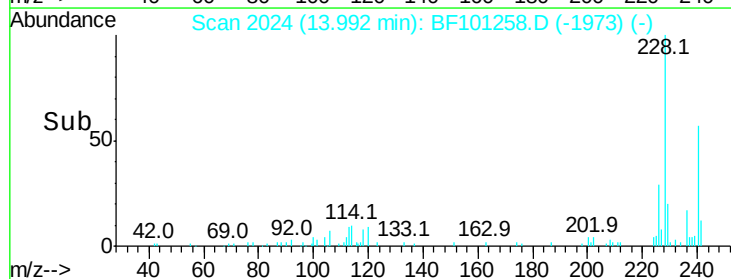
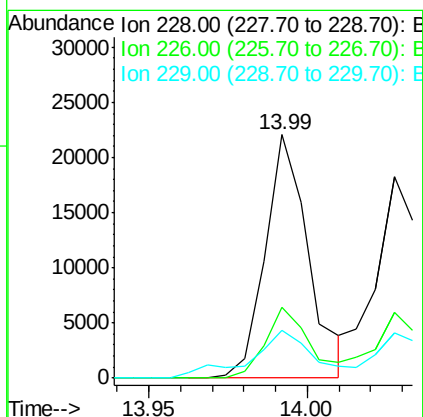
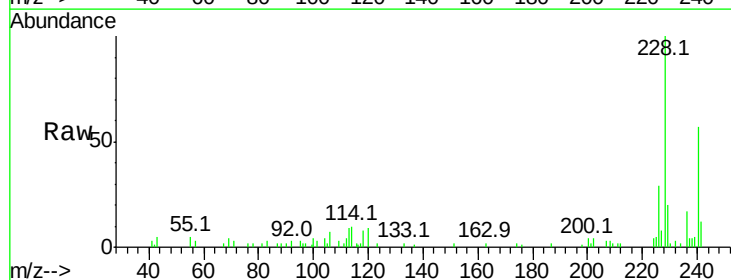
Instrument :
 BNA_F
 ClientSampleId :

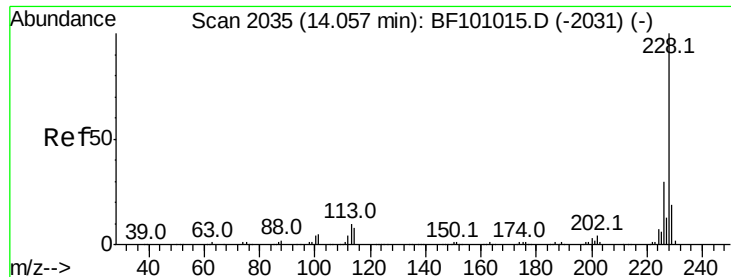
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.7	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 3.339 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.5	15.8	23.6

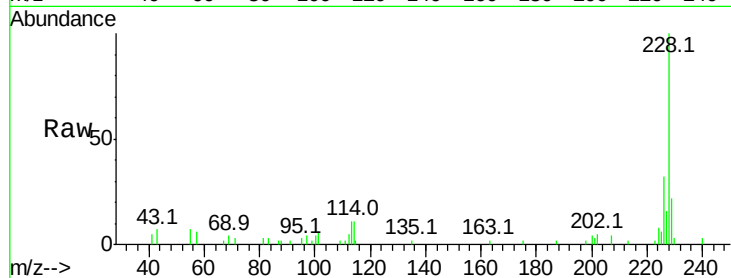




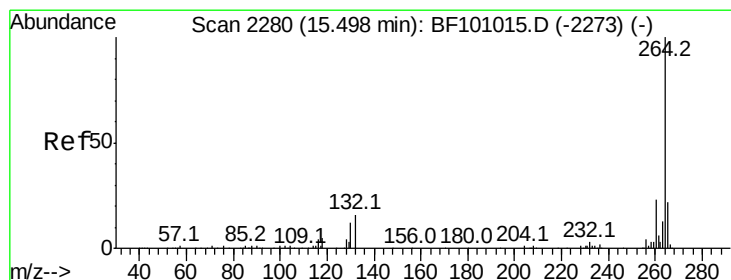
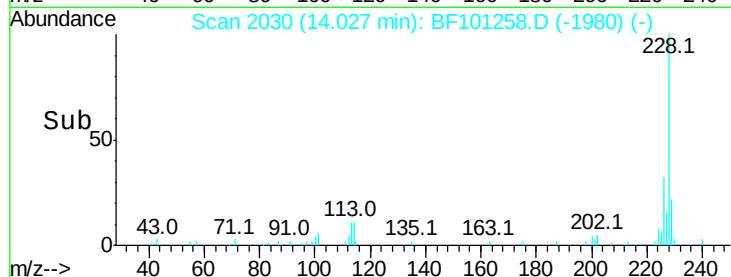
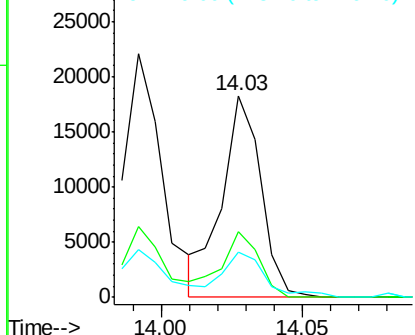
#82
Chrysene
Concen: 3.015 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 17586
Ion Ratio Lower Upper
228 100
226 32.5 25.0 37.6
229 22.2 16.2 24.4

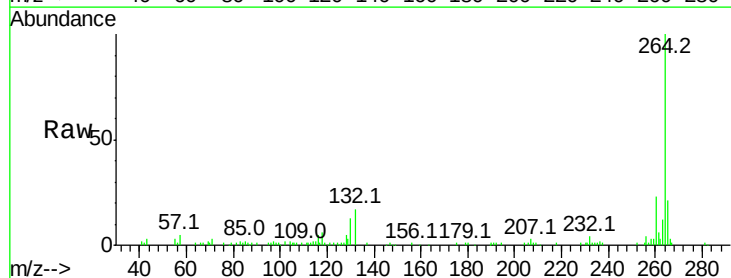


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

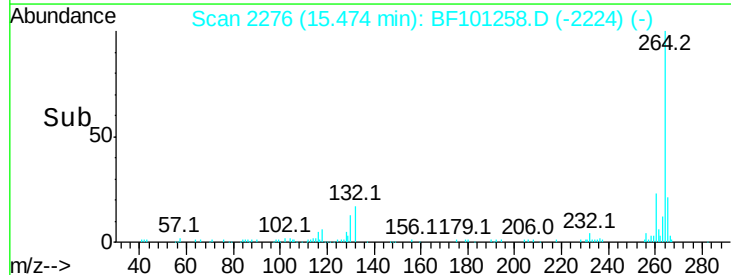
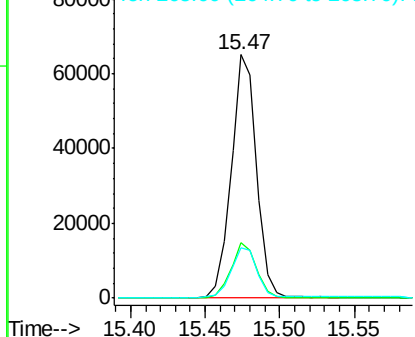


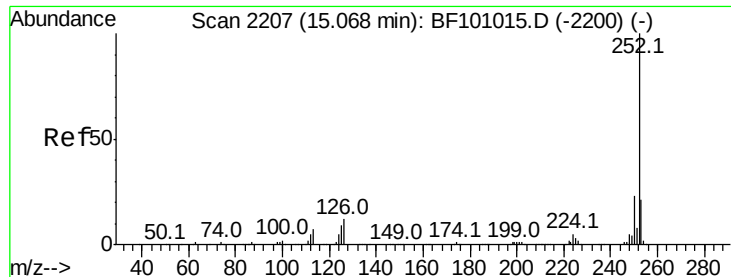
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:264 Resp: 77302
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 20.7 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

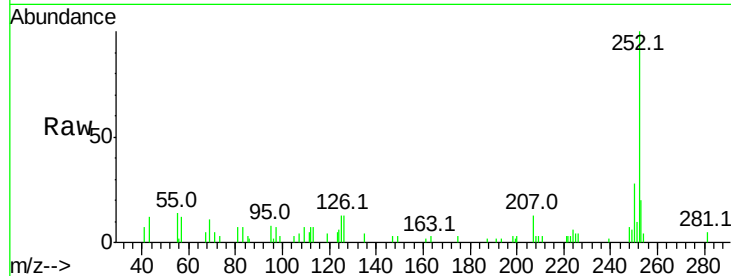




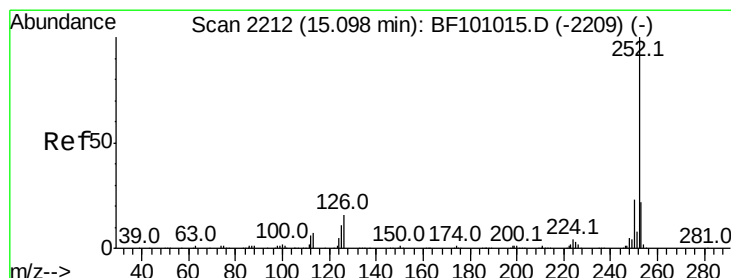
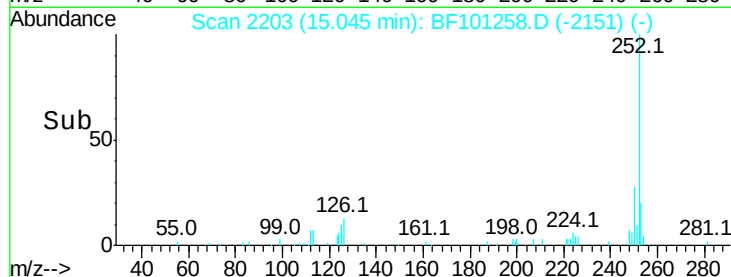
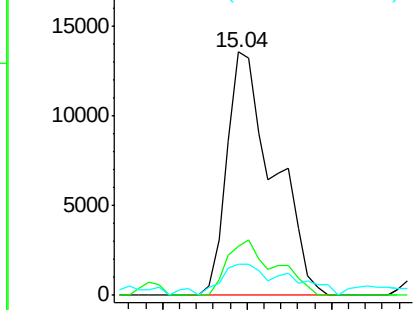
#87
Benzo(b)fluoranthene
Concen: 5.614 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	12.9	9.0	13.6

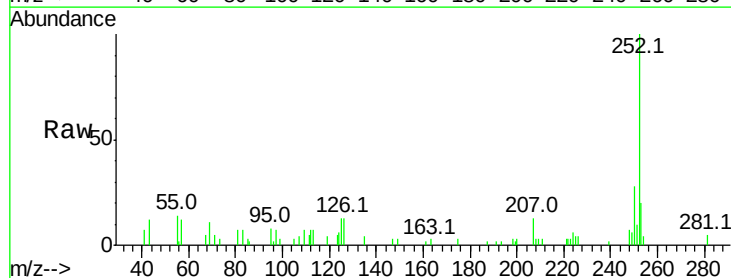


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

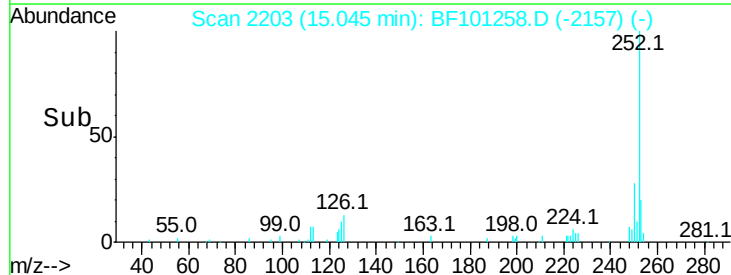
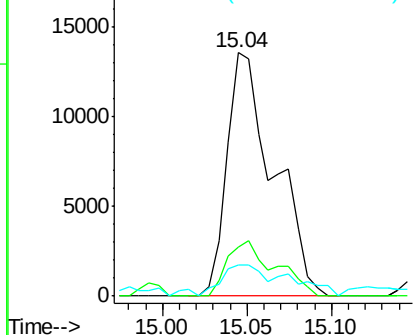


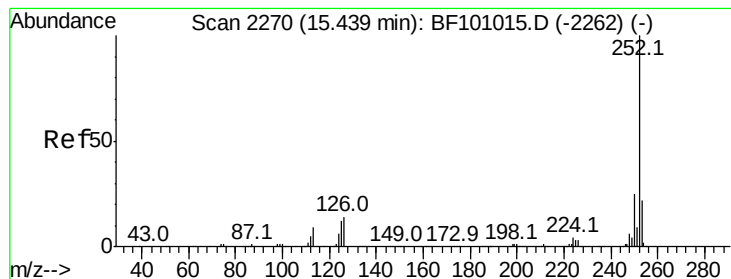
#88
Benzo(k)fluoranthene
Concen: 5.698 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.9	26.9
125	12.9	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: 3.096 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

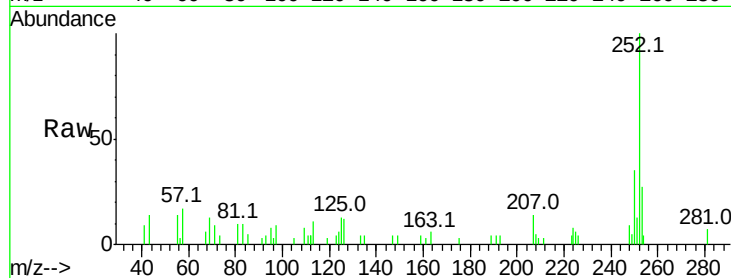
Tot Ion:252 Resp: 13031

Ion Ratio Lower Upper

252 100

253 27.5 17.1 25.7#

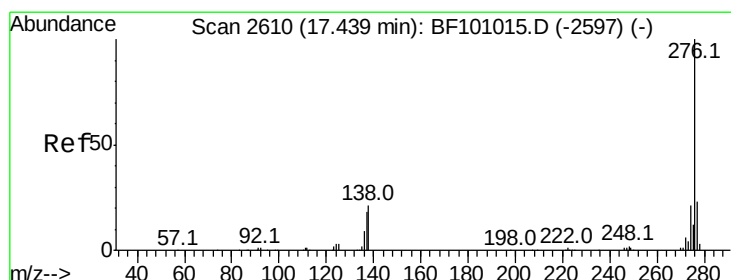
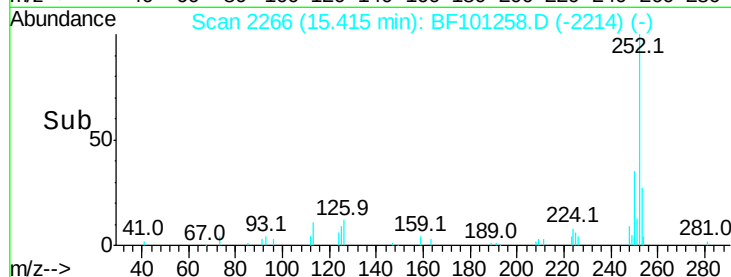
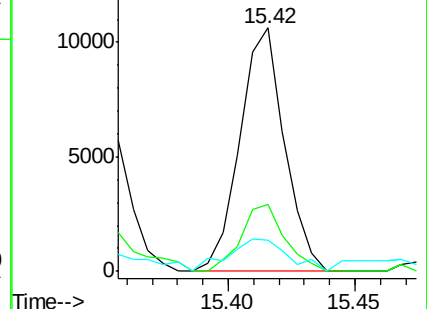
125 12.7 9.8 14.6



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(g,h,i)perylene

Concen: 2.244 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

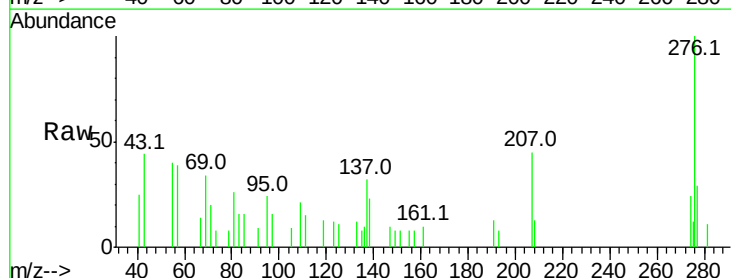
Tgt Ion:276 Resp: 7848

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 23.4 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

