

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102167.D
 Acq On : 17 Jan 2018 23:01
 Operator : SJ/JU
 Sample : J1154-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 01:13:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153776	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	600735	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	245331	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	339801	20.00	ng	0.00
75) Chrysene-d12	13.87	240	262360	20.00	ng	0.00
86) Perylene-d12	15.29	264	271972	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1052322	96.63	ng	0.01
7) Phenol-d6	6.36	99	1221905	94.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	775164	75.83	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	217803	101.73	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1127456	71.80	ng	0.00
78) Terphenyl-d14	12.82	244	696325	55.11	ng	0.00

Target Compounds

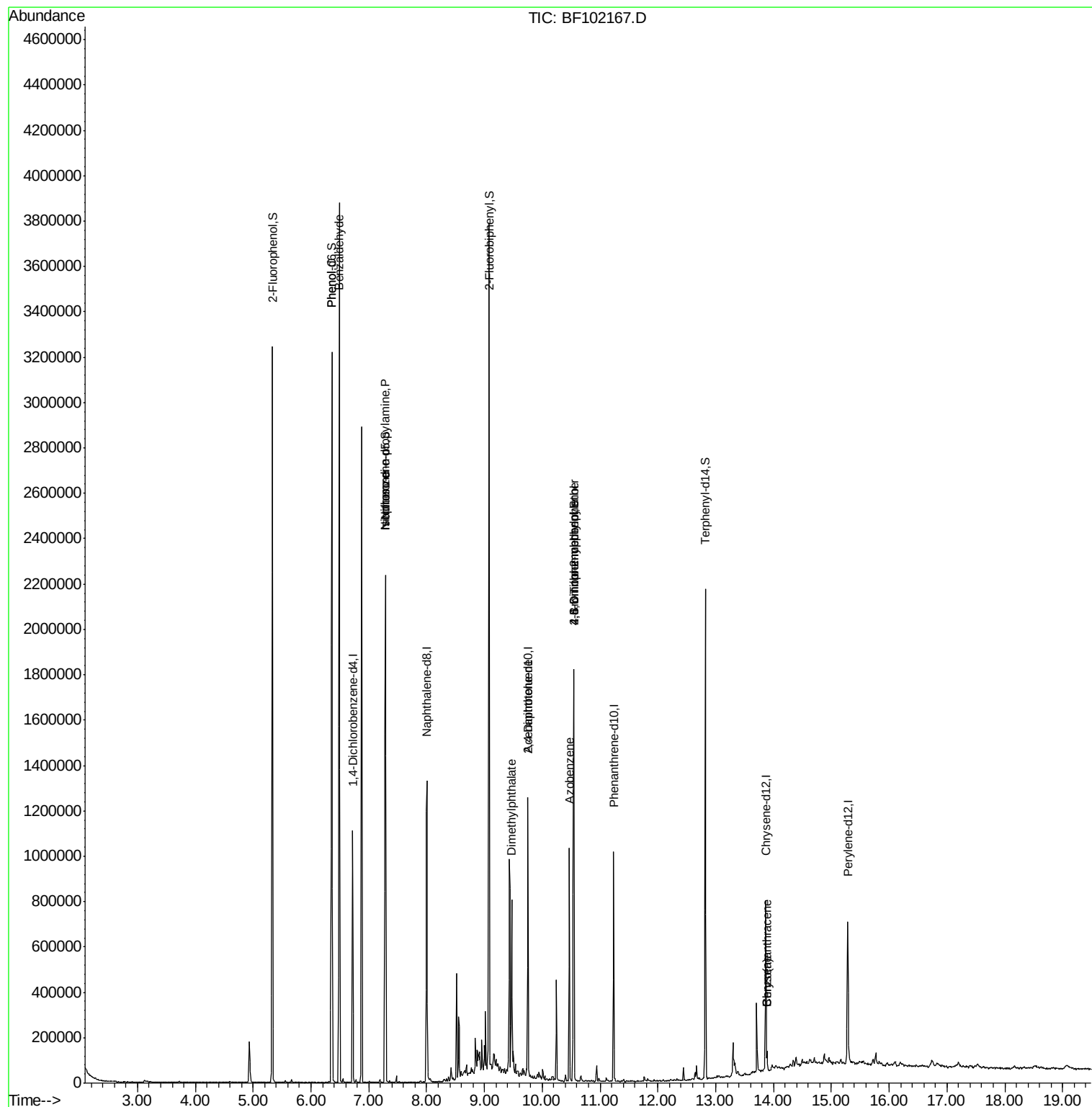
						Qvalue
9) Benzaldehyde	6.49	77	22365	2.479	ng	91
10) Phenol	6.37	94	54783	3.731	ng	82
19) n-Nitroso-di-n-propylamine	7.29	70	102508	12.039	ng	# 81
25) Isophorone	7.29	82	767943	38.018	ng	# 64
49) Dimethylphthalate	9.47	163	218831	11.119	ng	97
56) 2,4-Dinitrotoluene	9.75	165	31199	6.332	ng	# 23
62) Azobenzene	10.47	77	160945	8.263	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	395	5.851	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14079	3.923	ng	# 1
80) Benzo(a)anthracene	13.89	228	35062	2.095	ng	96
82) Chrysene	13.89	228	35062	2.009	ng	98

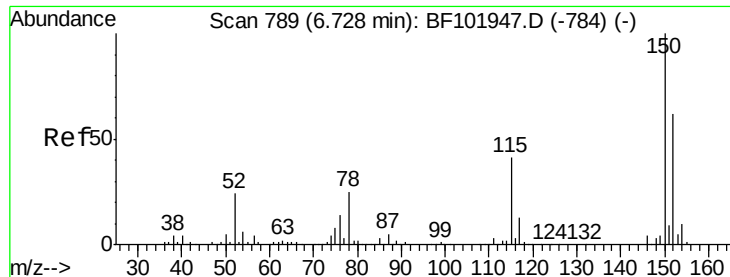
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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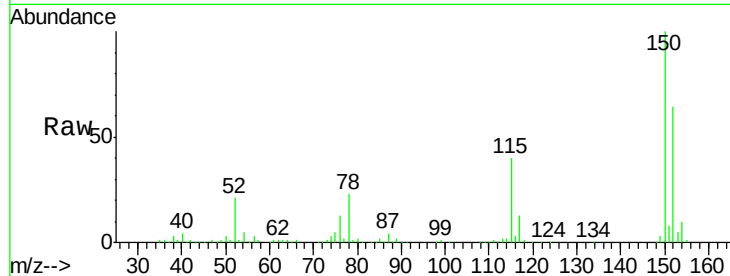


#1

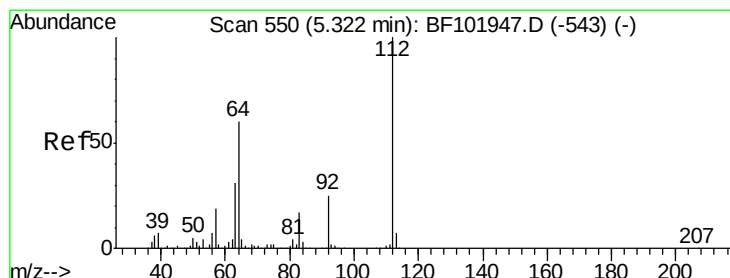
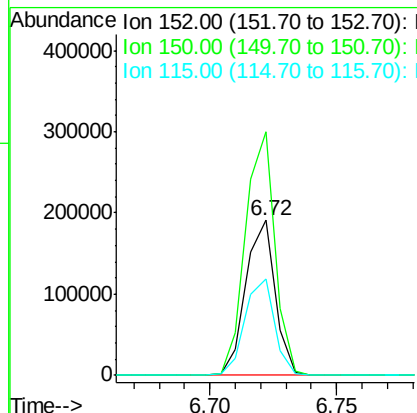
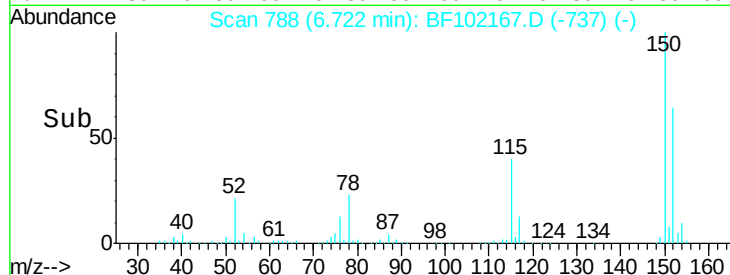
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF102167.D
 Acq: 17 Jan 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 153776
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 62.2 50.1 75.1



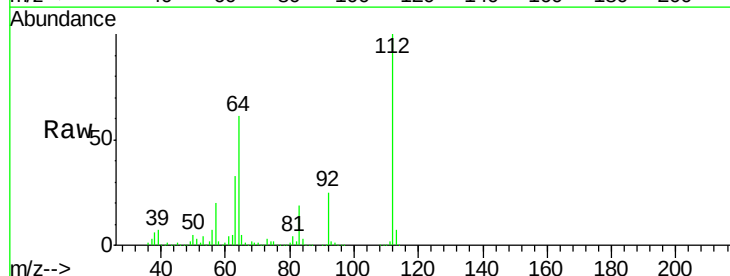
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



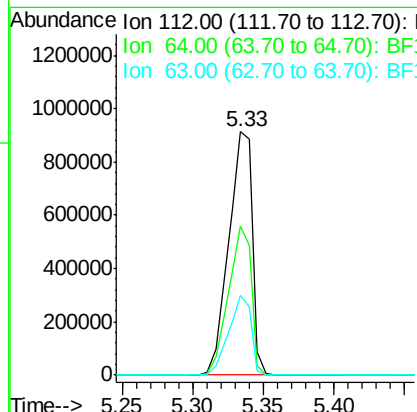
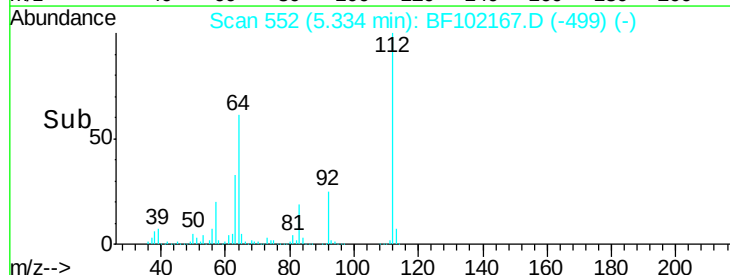
#5

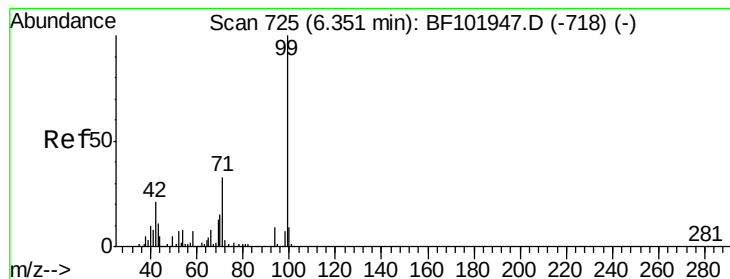
2-Fluorophenol
 Concen: 96.632 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102167.D
 Acq: 17 Jan 2018 23:01

Tgt Ion:112 Resp: 1052322
 Ion Ratio Lower Upper
 112 100
 64 61.4 47.9 71.9
 63 32.8 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: 94.044 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampled :

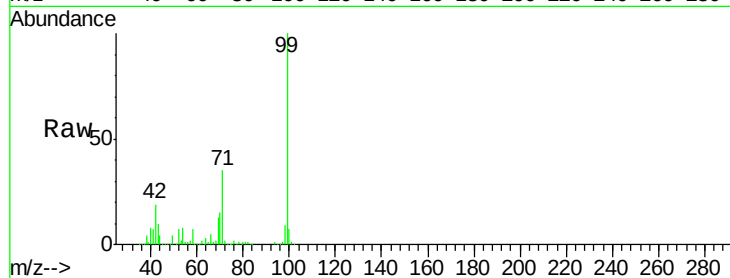
Tot Ion: 99 Resp: 1221905

Ion Ratio Lower Upper

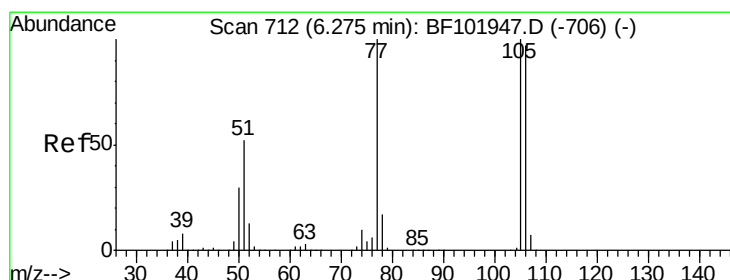
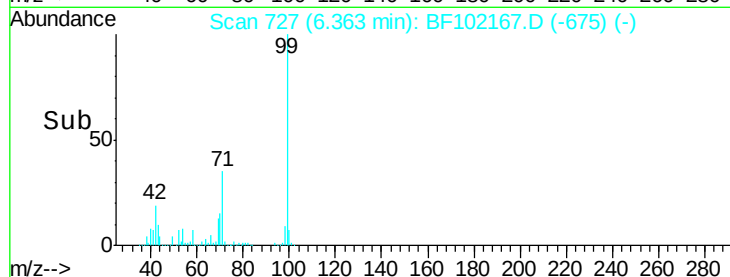
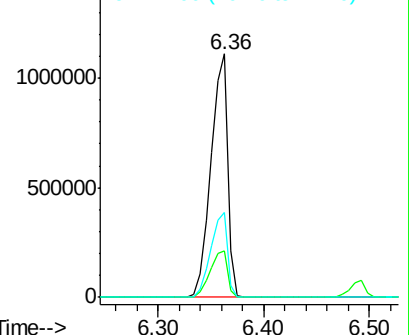
99 100

42 19.1 14.5 21.7

71 34.9 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: 2.479 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

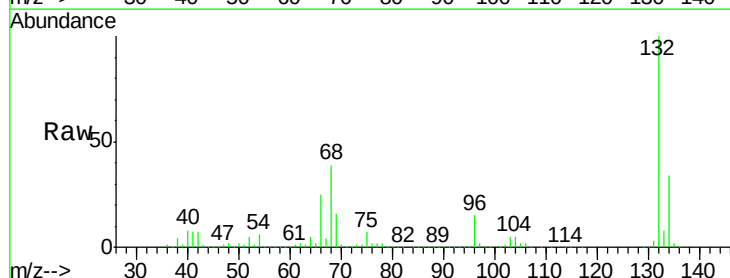
Tgt Ion: 77 Resp: 22365

Ion Ratio Lower Upper

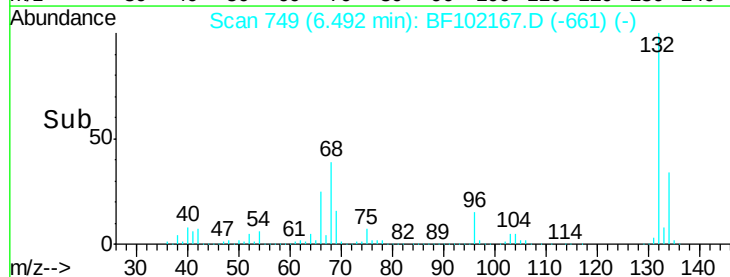
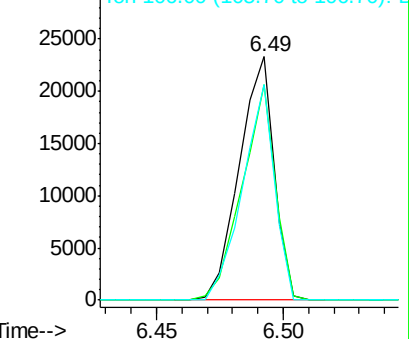
77 100

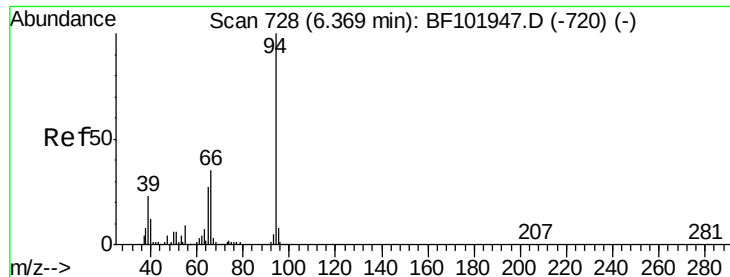
105 88.3 81.1 121.1

106 88.7 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

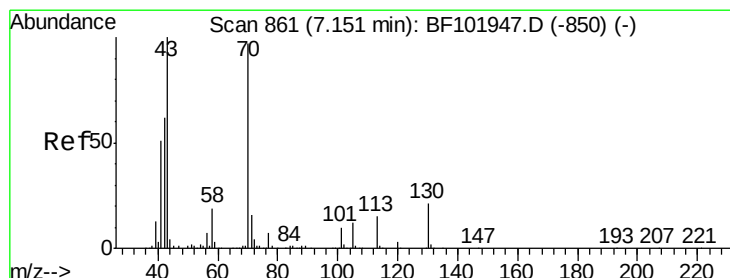
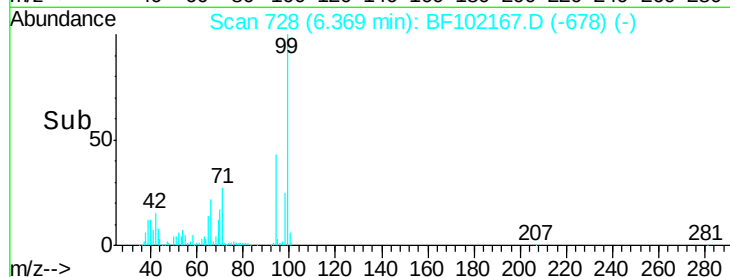
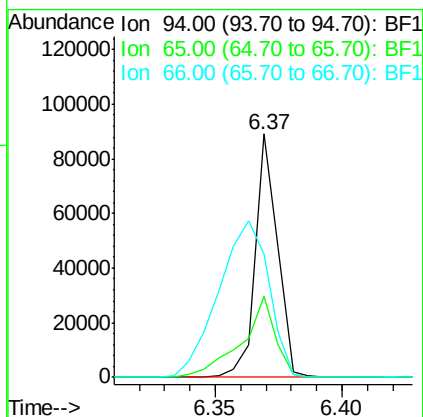
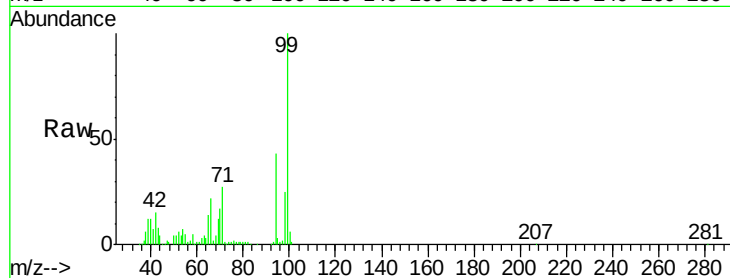




#10
Phenol
Concen: 3.731 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102167.D
Acq: 17 Jan 2018 23:01

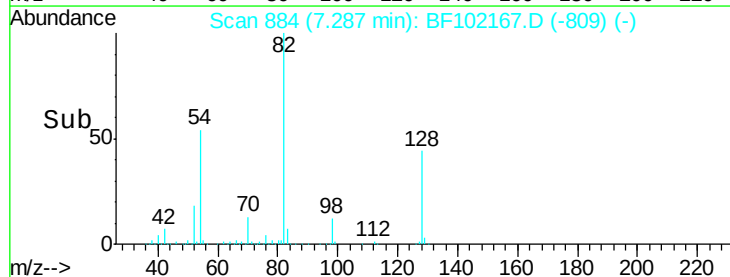
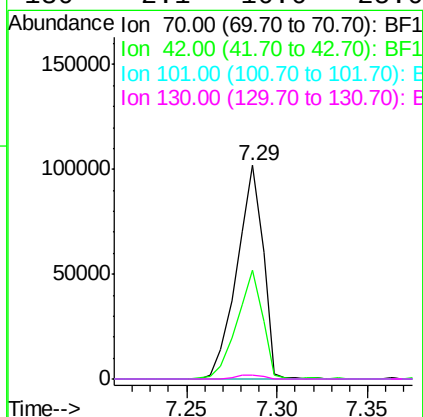
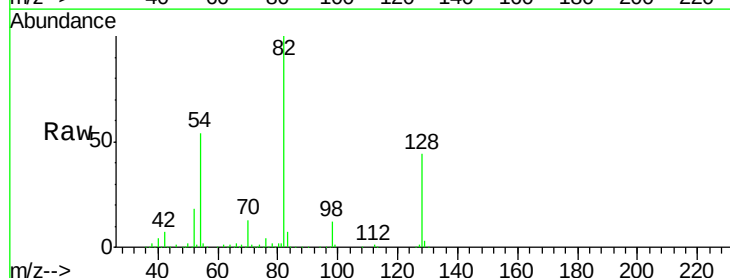
Instrument :
BNA_F
ClientSampled :

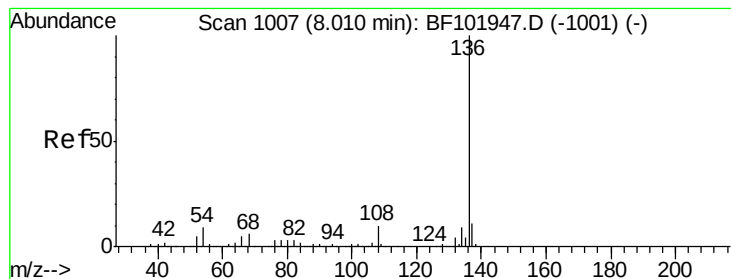
Tot Ion: 94 Resp: 54783
Ion Ratio Lower Upper
94 100
65 33.2 7.9 47.9
66 50.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.039 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102167.D
Acq: 17 Jan 2018 23:01

Tgt Ion: 70 Resp: 102508
Ion Ratio Lower Upper
70 100
42 50.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 600735

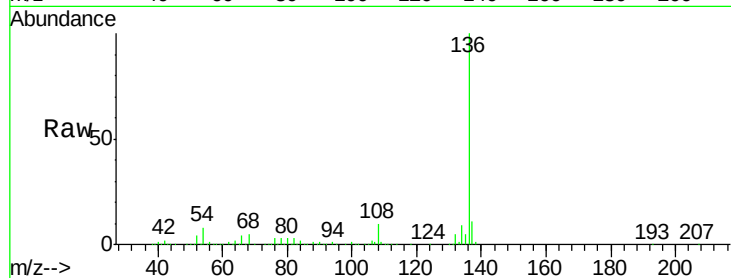
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 4.7 5.0 7.4#

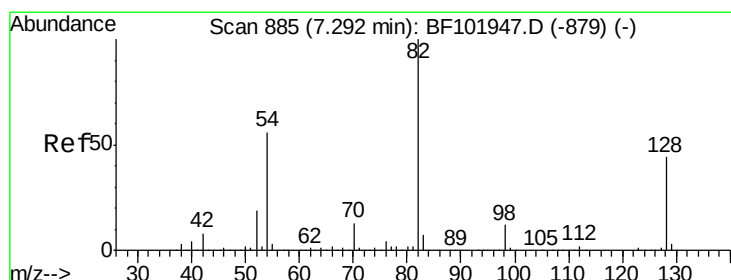
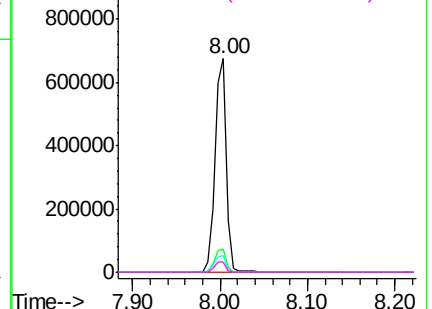
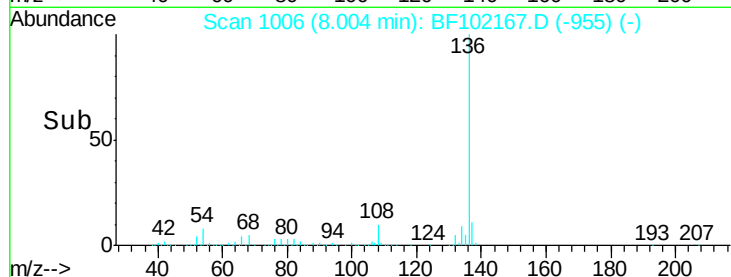


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.827 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

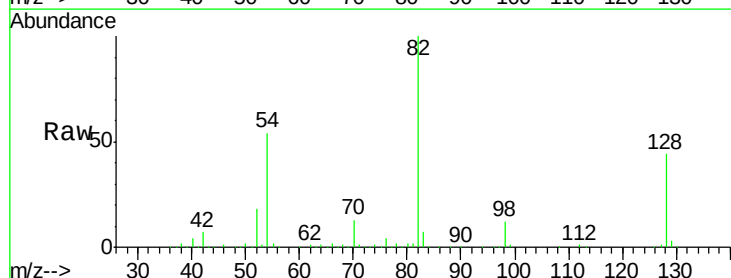
Tgt Ion: 82 Resp: 775164

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

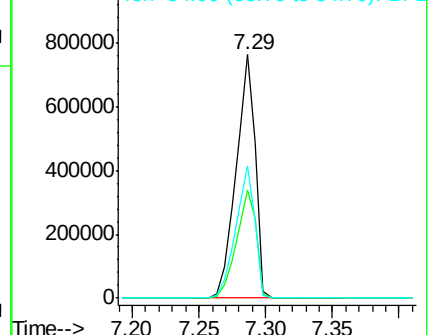
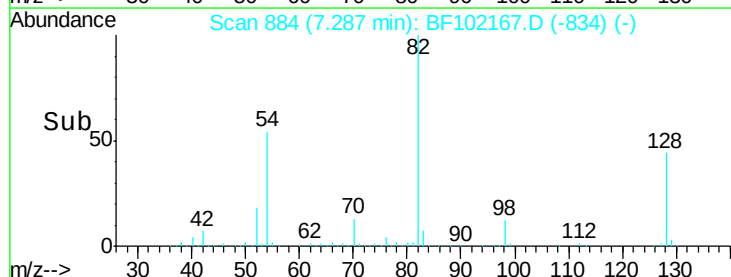
54 54.1 41.4 62.2

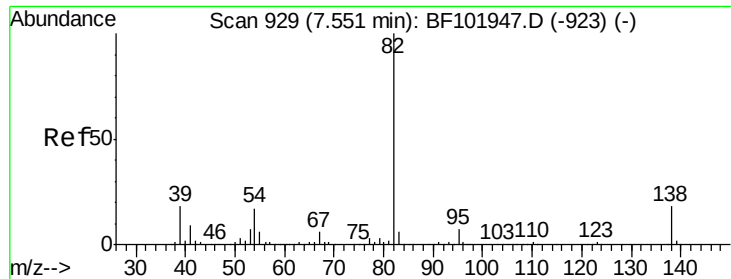


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.018 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampled :

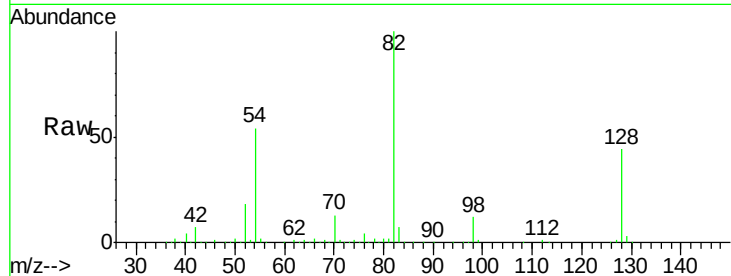
Tot Ion: 82 Resp: 767943

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

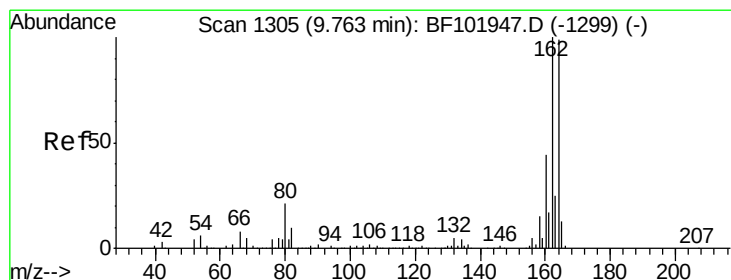
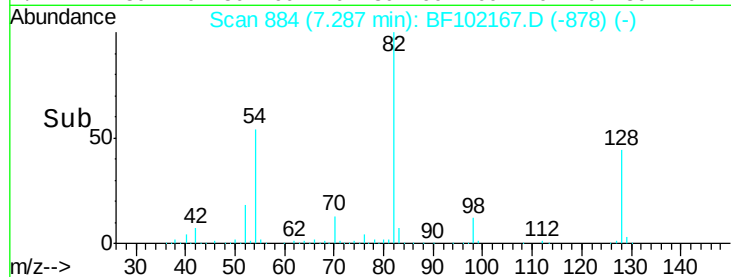
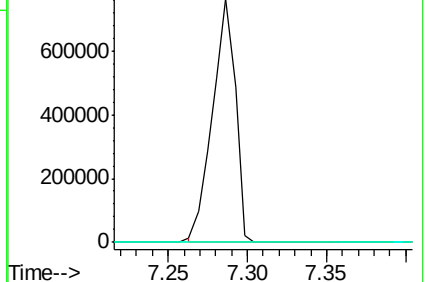
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

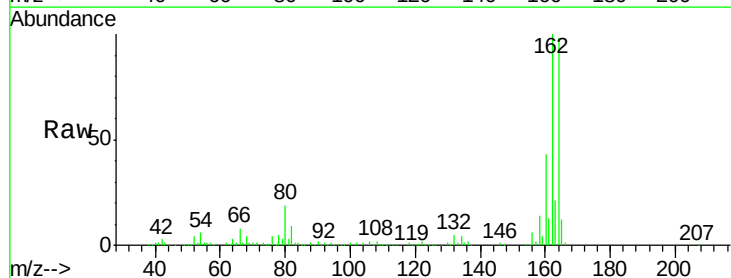
Tgt Ion: 164 Resp: 245331

Ion Ratio Lower Upper

164 100

162 101.5 86.1 129.1

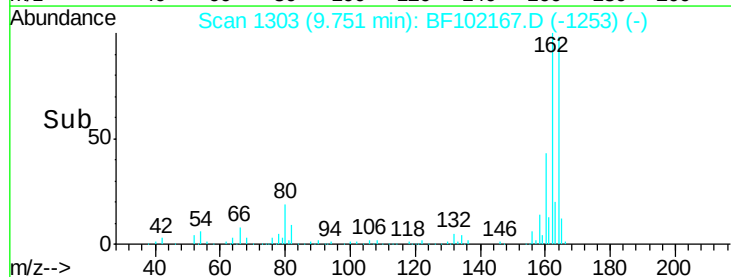
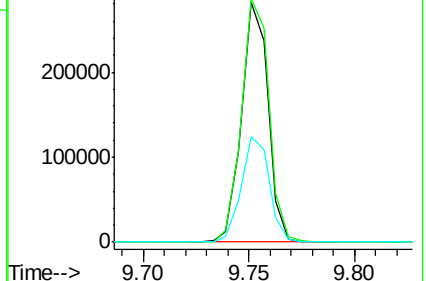
160 44.2 38.3 57.5

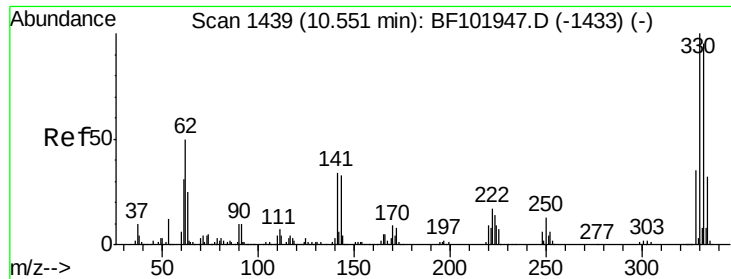


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 101.731 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

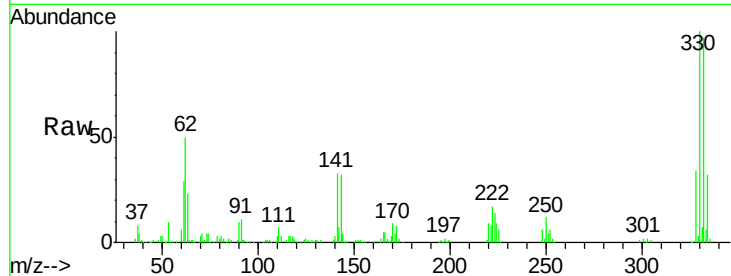
Tot Ion:330 Resp: 217803

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

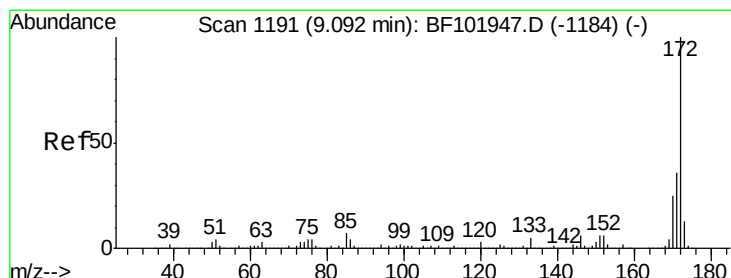
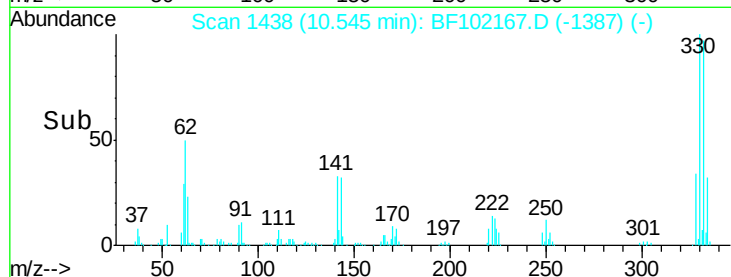
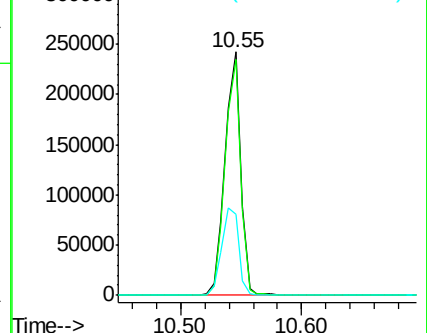
141 38.6 29.9 44.9



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: 71.797 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

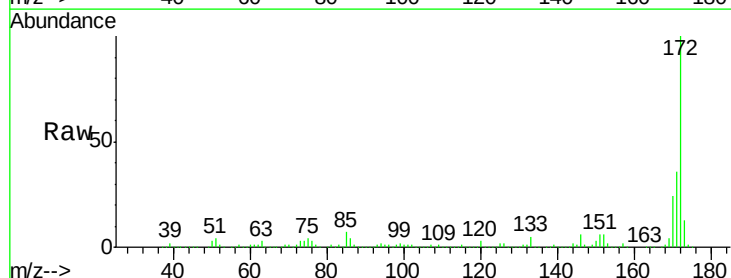
Tgt Ion:172 Resp: 1127456

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

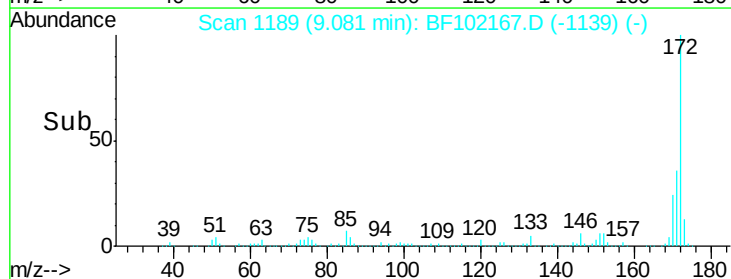
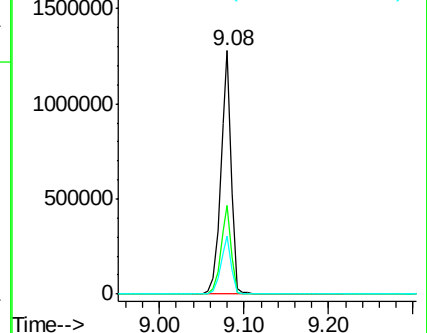
170 24.0 19.6 29.4

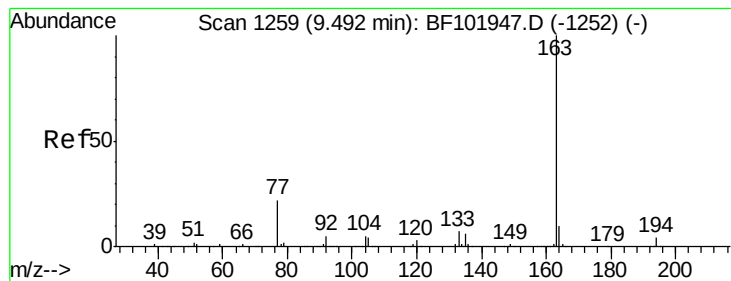


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.119 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

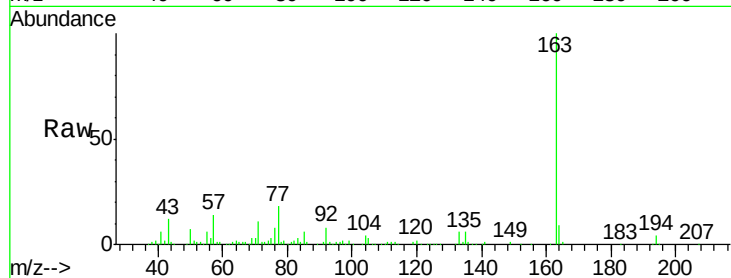
Tot Ion:163 Resp: 218831

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

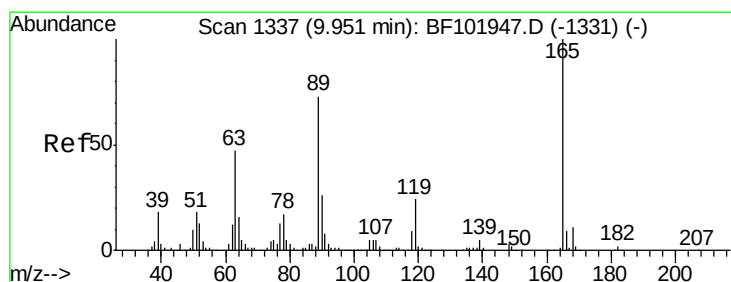
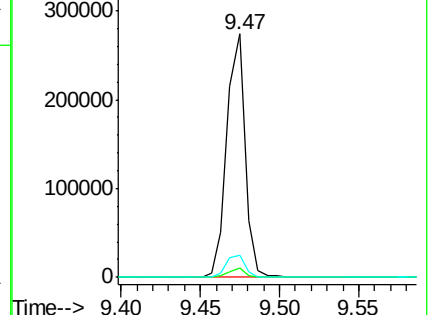
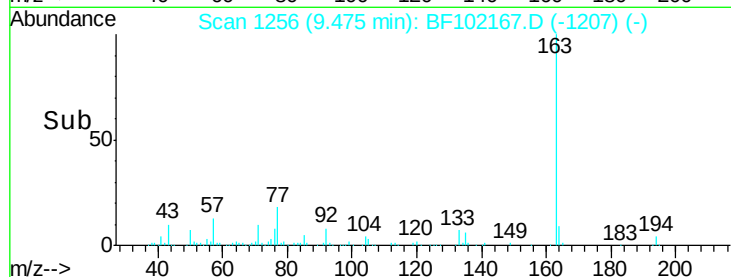
164 8.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.332 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Tgt Ion:165 Resp: 31199

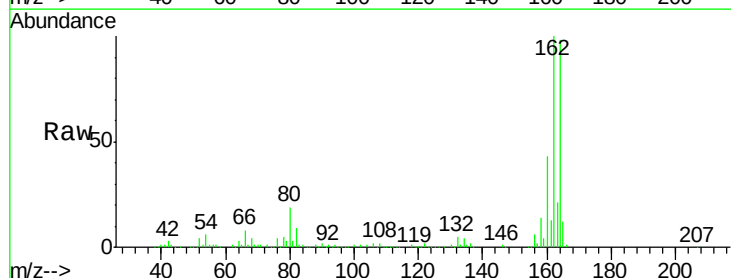
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

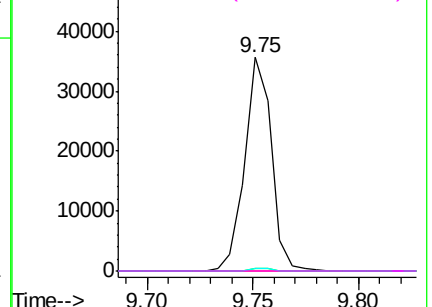
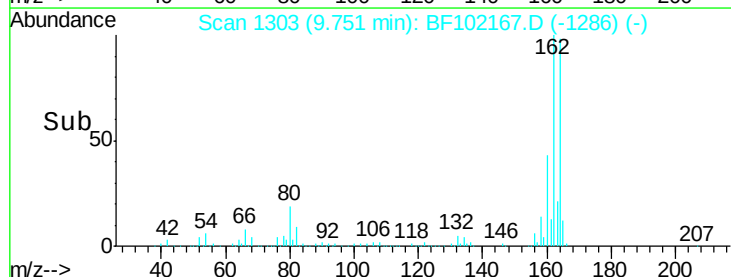


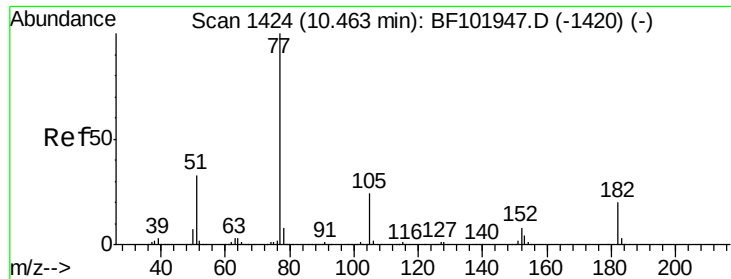
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 8.263 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 160945

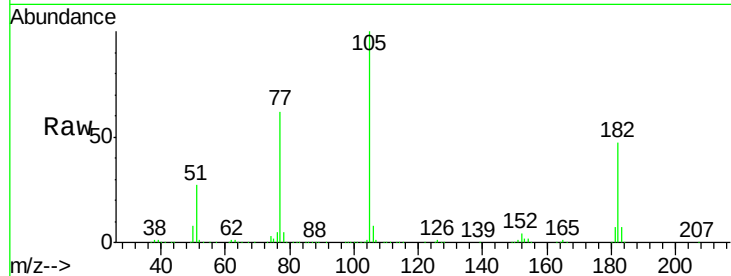
Ion Ratio Lower Upper

77 100

182 76.9 1.7 41.7#

105 162.3 3.0 43.0#

51 44.0 9.9 49.9

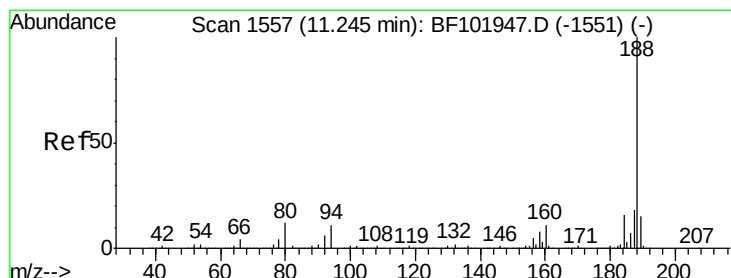
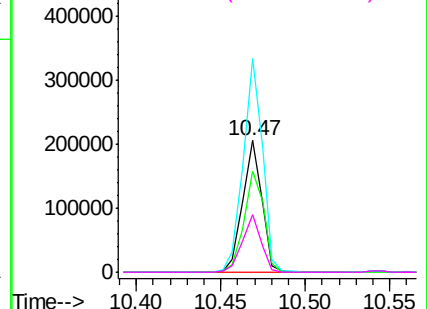
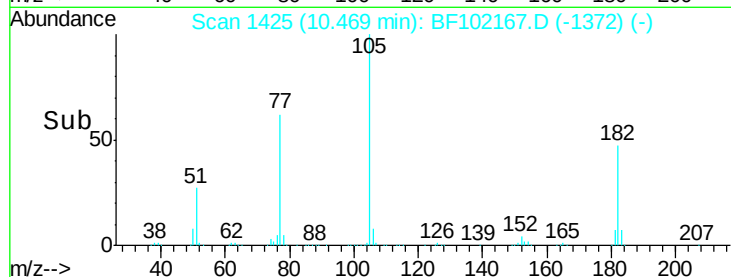


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

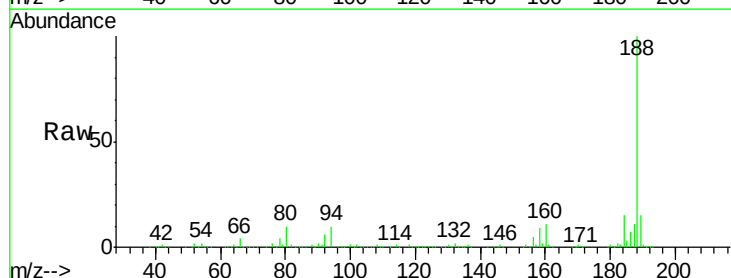
Tgt Ion: 188 Resp: 339801

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

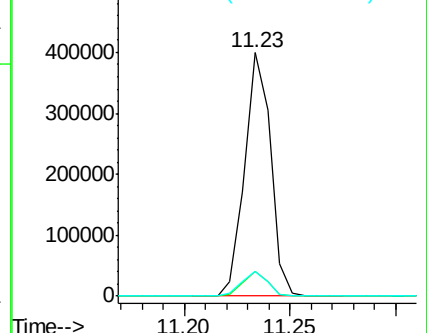
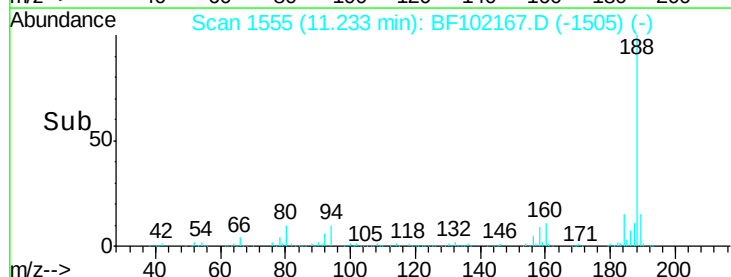
80 10.4 9.2 13.8

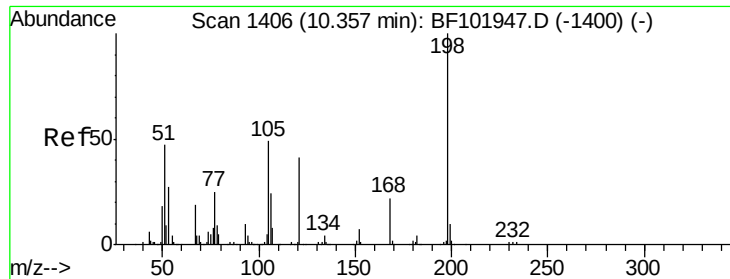


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

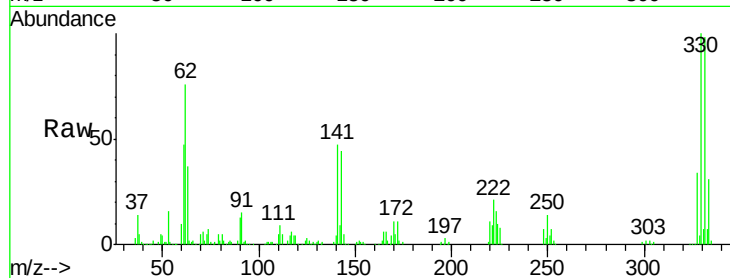




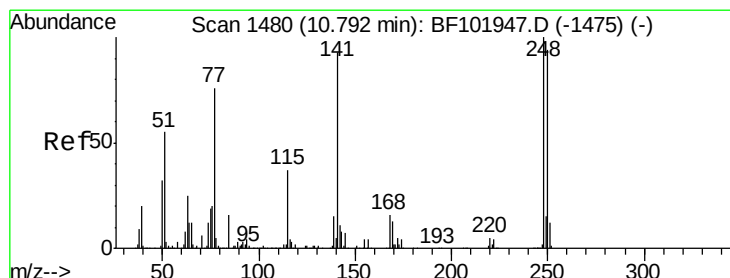
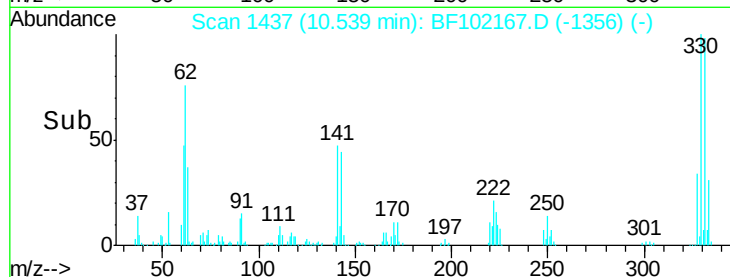
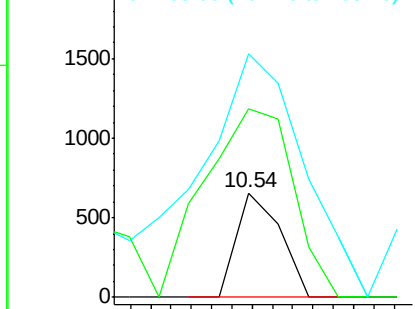
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.851 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102167.D
 Acq: 17 Jan 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 395
 Ion Ratio Lower Upper
 198 100
 51 180.2 37.7 77.7#
 105 232.9 36.3 76.3#

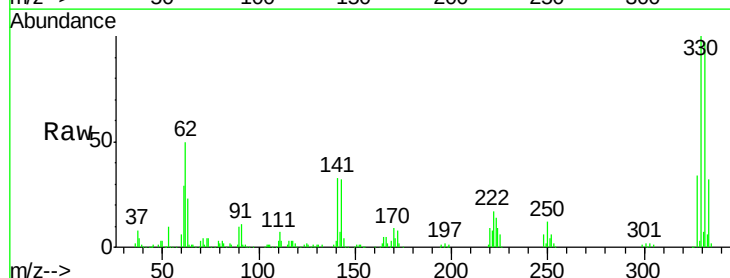


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

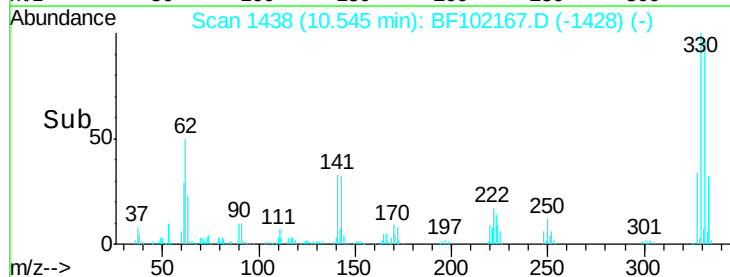
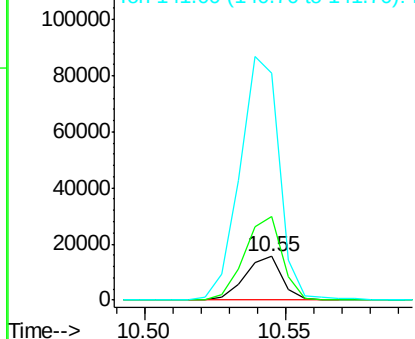


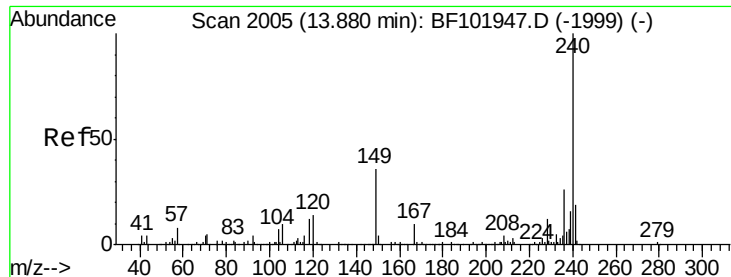
#66
 4-Bromophenyl-phenylether
 Concen: 3.923 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102167.D
 Acq: 17 Jan 2018 23:01

Tgt Ion:248 Resp: 14079
 Ion Ratio Lower Upper
 248 100
 250 192.4 76.9 115.3#
 141 518.5 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

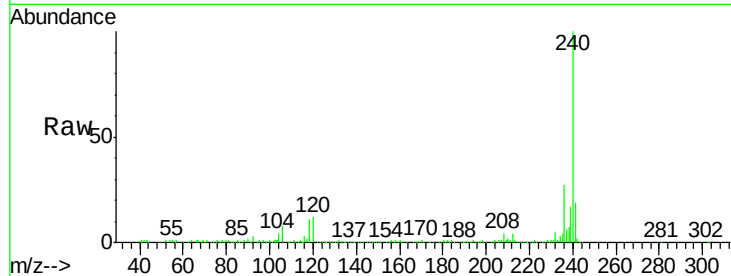
Tot Ion:240 Resp: 262360

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

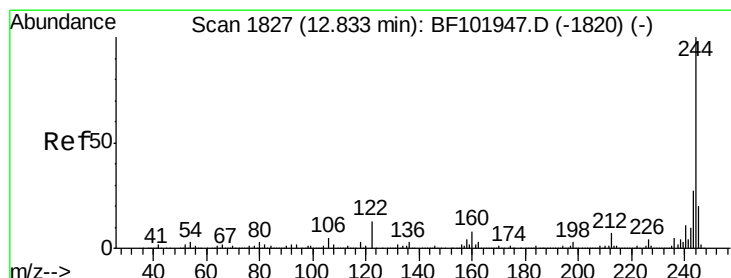
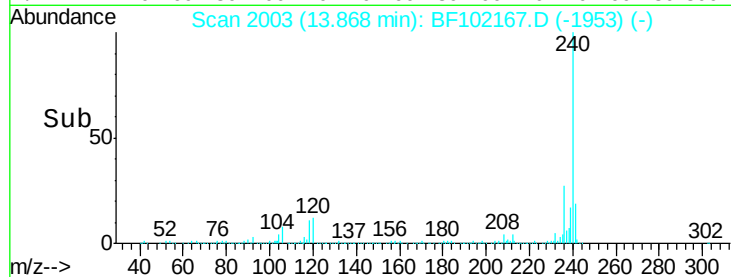
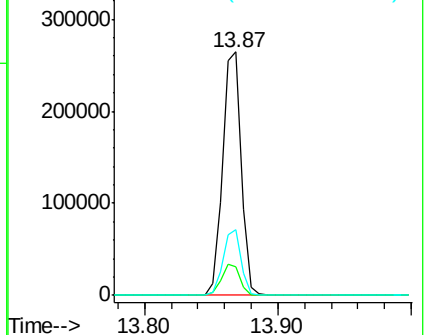
236 26.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 55.106 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

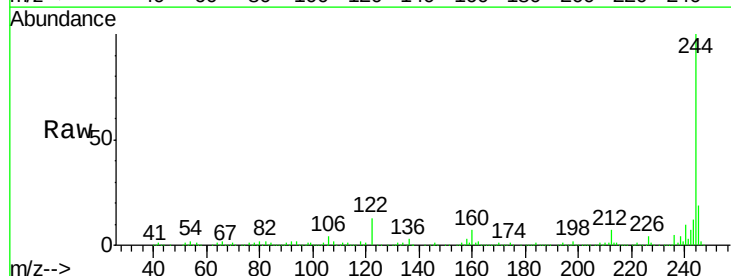
Tgt Ion:244 Resp: 696325

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

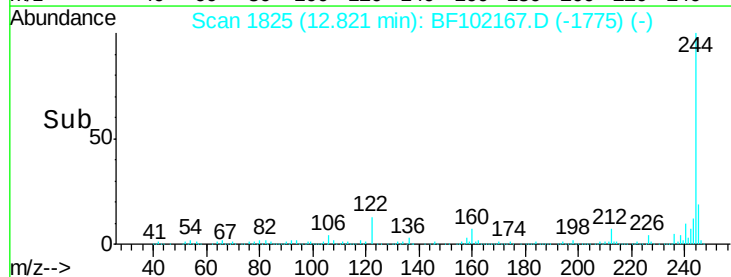
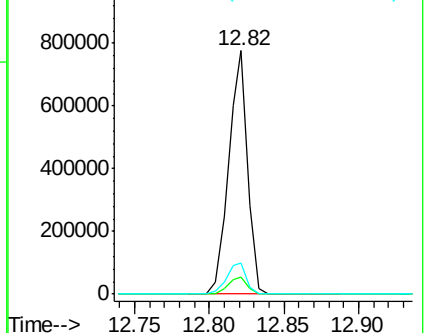
122 12.7 11.0 16.4

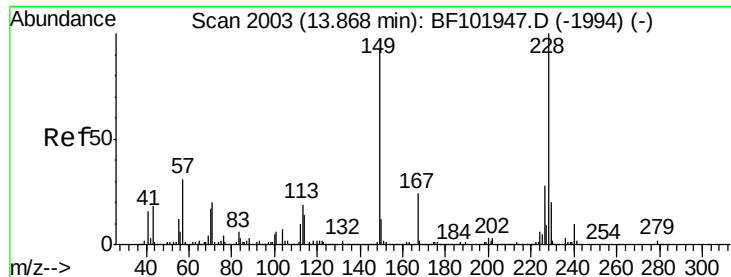


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.095 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.03 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

Instrument :

BNA_F

ClientSampleId :

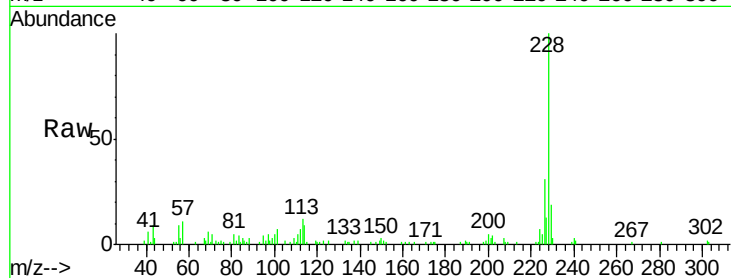
Tot Ion:228 Resp: 35062

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

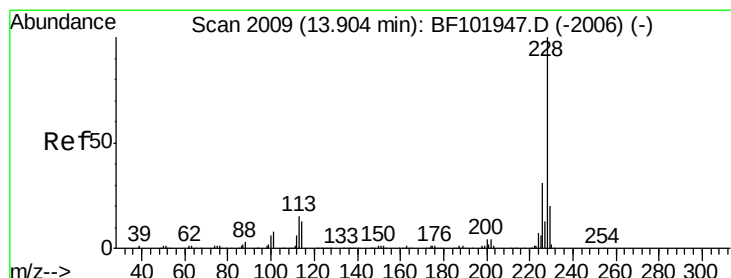
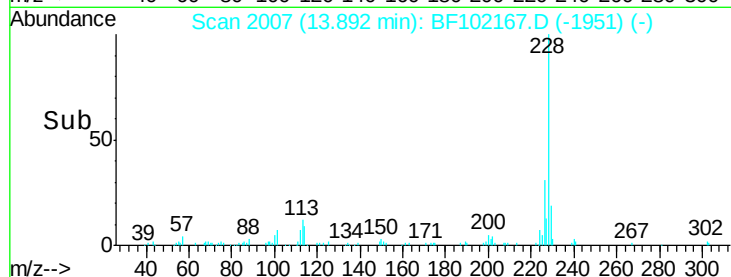
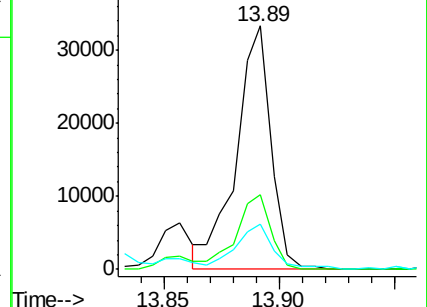
229 18.6 15.8 23.6



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: 2.009 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102167.D

Acq: 17 Jan 2018 23:01

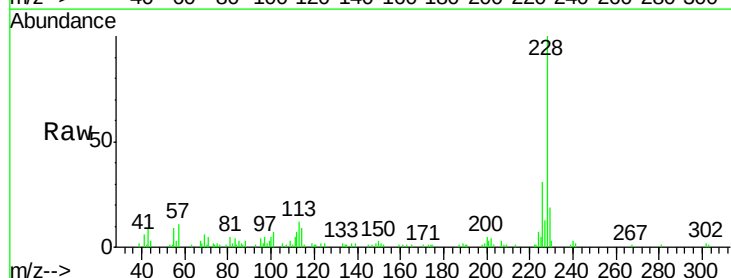
Tgt Ion:228 Resp: 35062

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

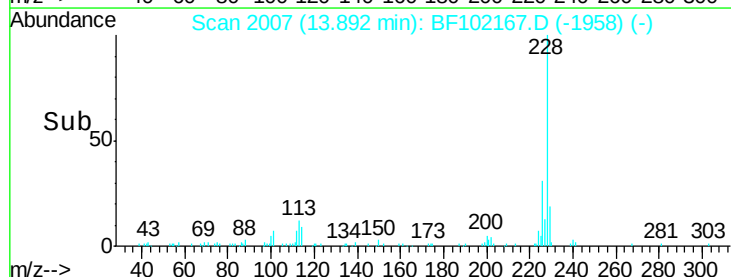
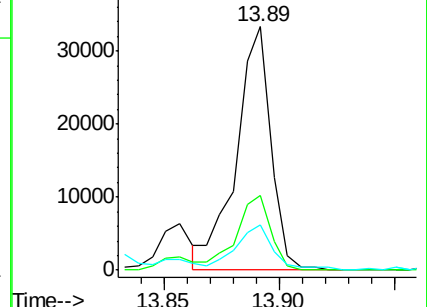
229 18.6 16.2 24.4

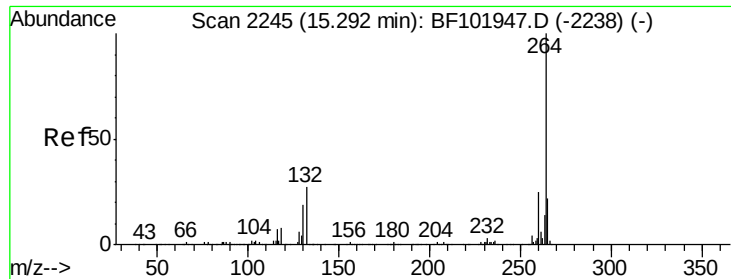


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

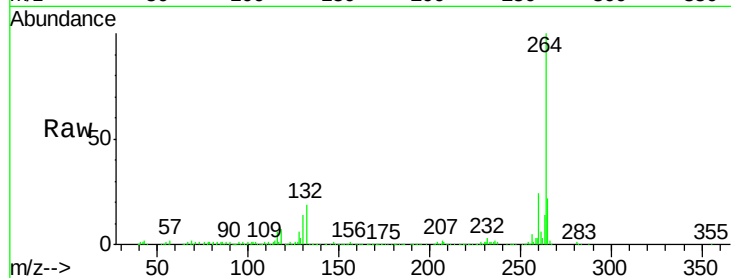




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF102167.D
Acq: 17 Jan 2018 23:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	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

