

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102242.D
 Acq On : 20 Jan 2018 2:52
 Operator : SJ/JU
 Sample : J1114-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 20 05:15:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

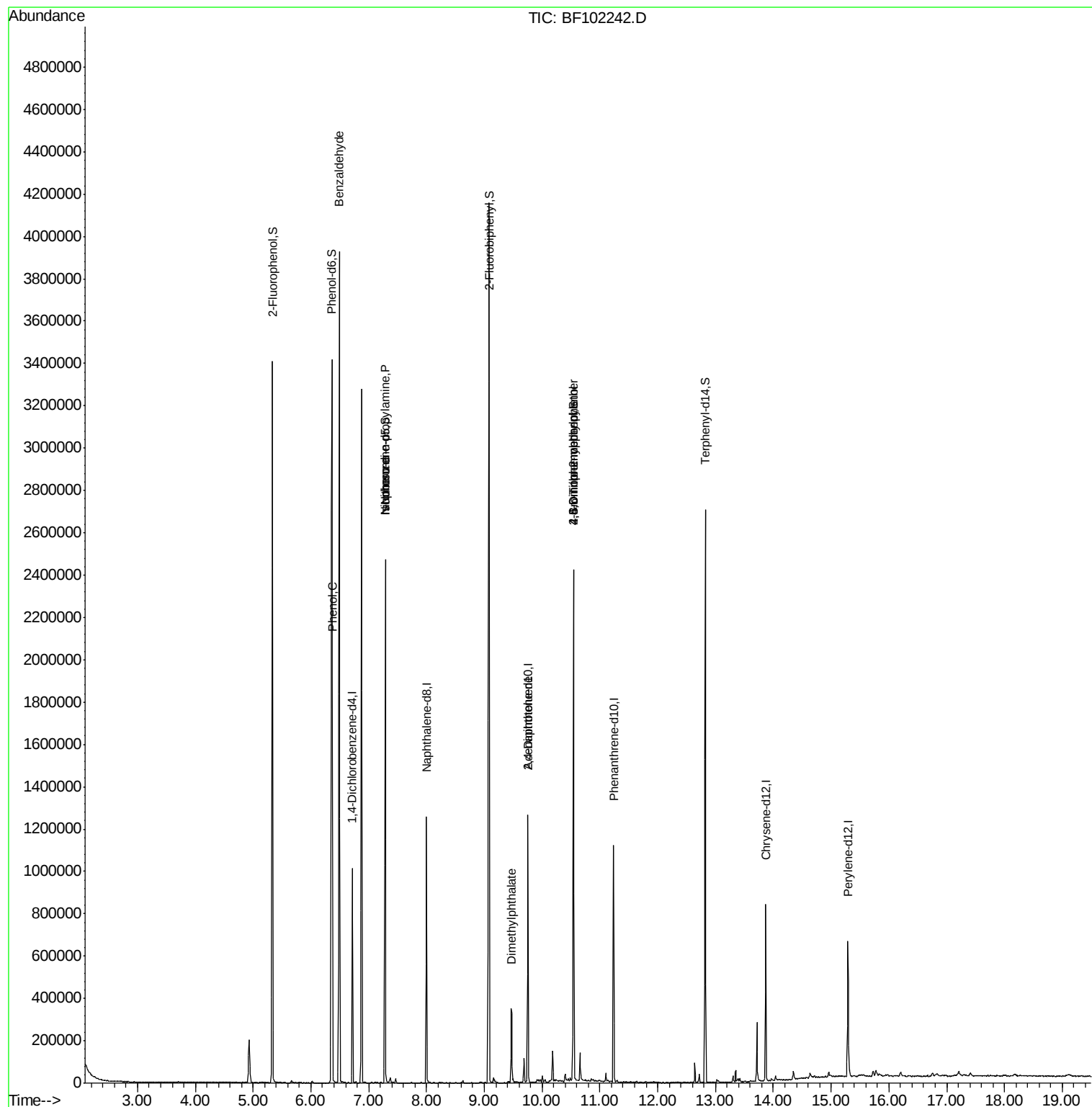
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138701	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	574914	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	249765	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	400849	20.00	ng	0.00
75) Chrysene-d12	13.87	240	255599	20.00	ng	0.00
86) Perylene-d12	15.29	264	261189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1116629	113.68	ng	0.00
7) Phenol-d6	6.36	99	1348045	115.03	ng	0.00
23) Nitrobenzene-d5	7.29	82	845782	86.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	277147	127.15	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1367920	85.56	ng	0.00
78) Terphenyl-d14	12.83	244	983736	79.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.49	77	24439	3.003	ng	83
10) Phenol	6.37	94	36939	2.789	ng	97
19) n-Nitroso-di-n-propylamine	7.29	70	111854	14.564	ng	# 79
25) Isophorone	7.29	82	845766	43.751	ng	# 64
49) Dimethylphthalate	9.47	163	142559	7.115	ng	98
56) 2,4-Dinitrotoluene	9.75	165	31848	6.349	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	513	5.870	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	17531	4.141	ng	# 1

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

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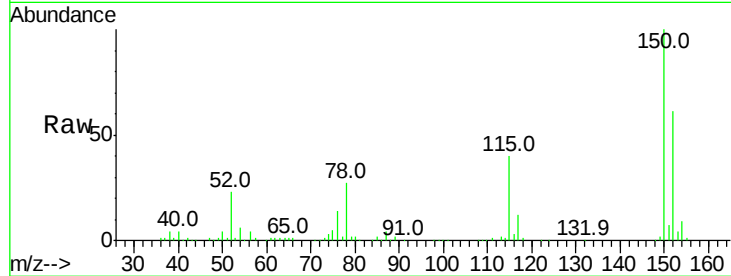


#1

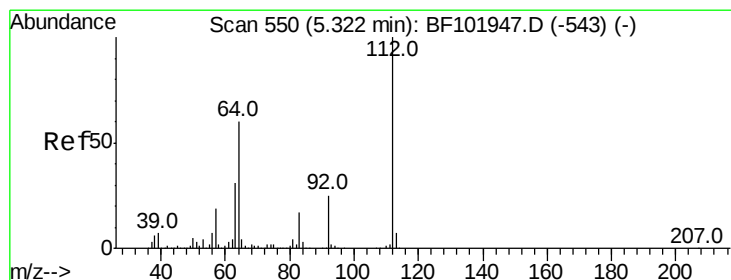
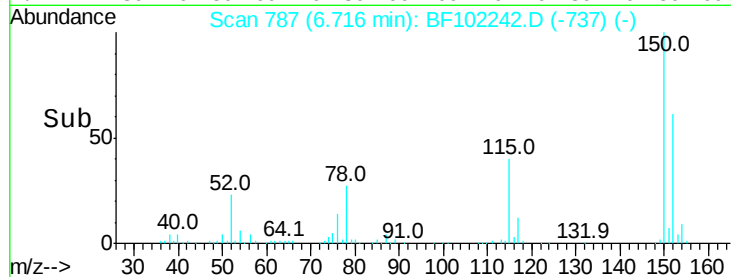
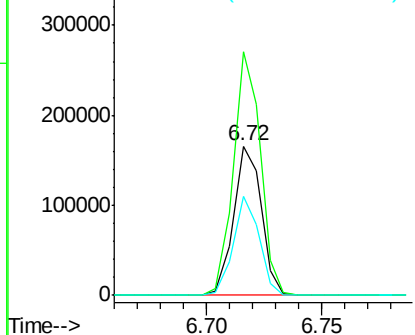
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138701
Ion Ratio Lower Upper
152 100
150 163.3 124.6 186.8
115 66.1 50.1 75.1



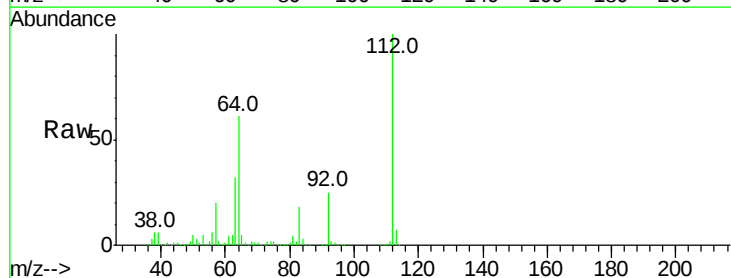
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



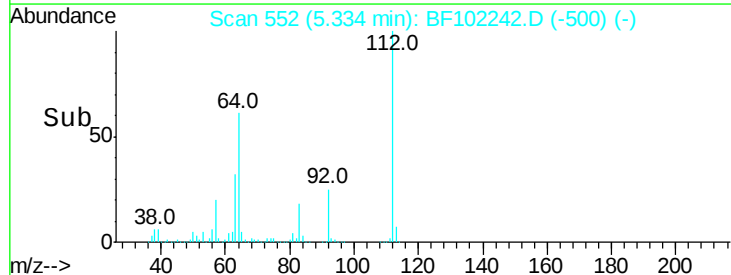
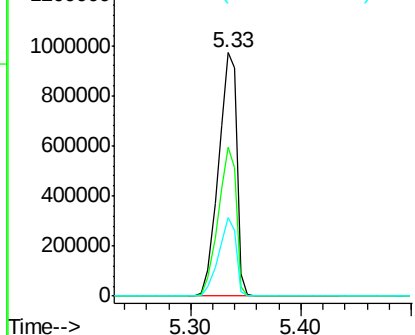
#5

2-Fluorophenol
Concen: 113.681 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Tgt Ion:112 Resp: 1116629
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 32.0 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: 115.029 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Instrument :

BNA_F

ClientSampleId :

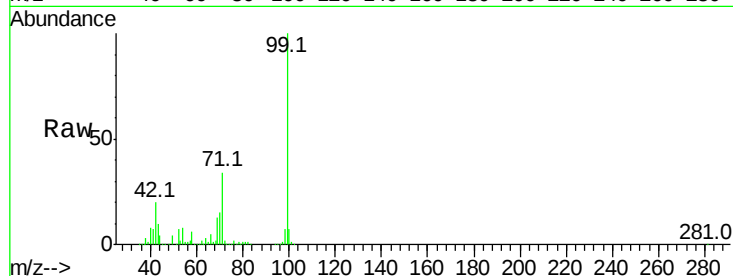
Tot Ion: 99 Resp: 1348045

Ion Ratio Lower Upper

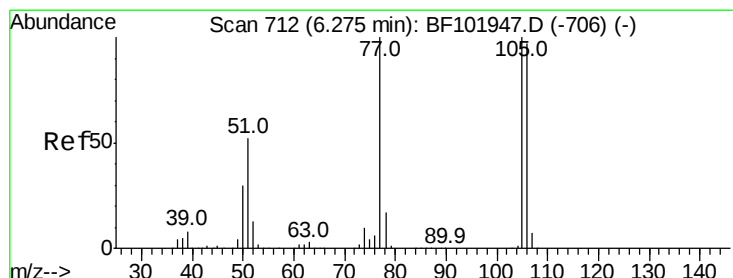
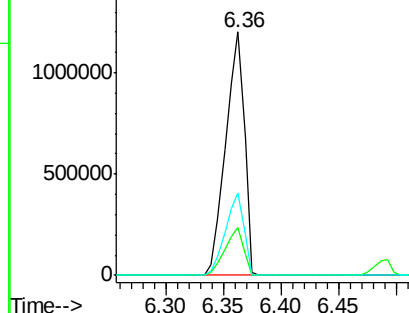
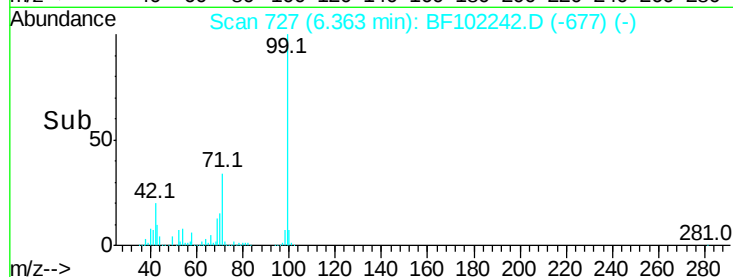
99 100

42 19.8 14.5 21.7

71 33.8 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: 3.003 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

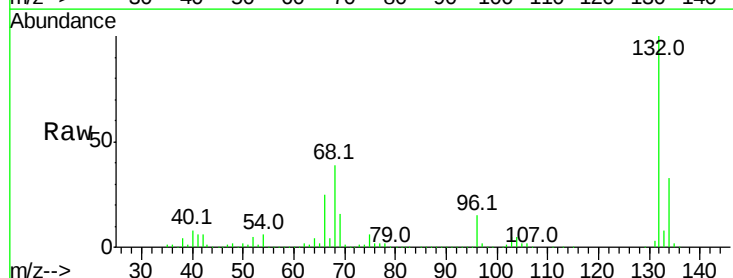
Tgt Ion: 77 Resp: 24439

Ion Ratio Lower Upper

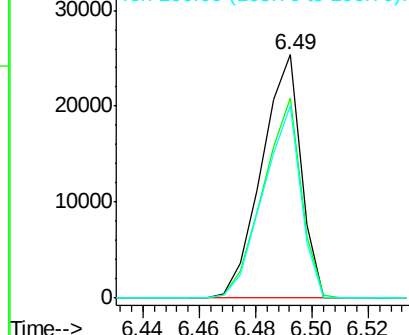
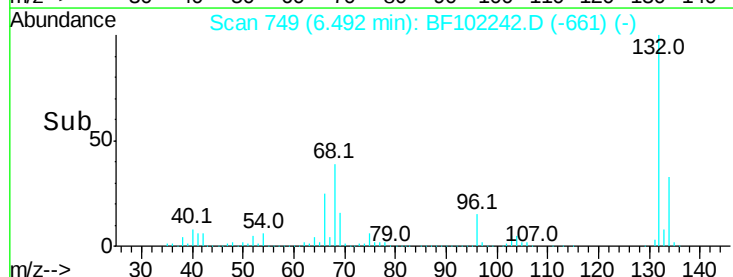
77 100

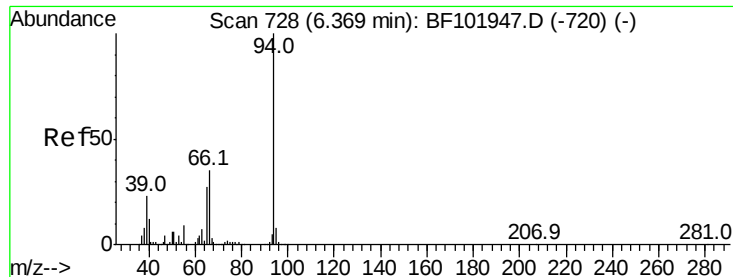
105 82.4 81.1 121.1

106 78.9 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: 2.789 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Instrument :

BNA_F

ClientSampleId :

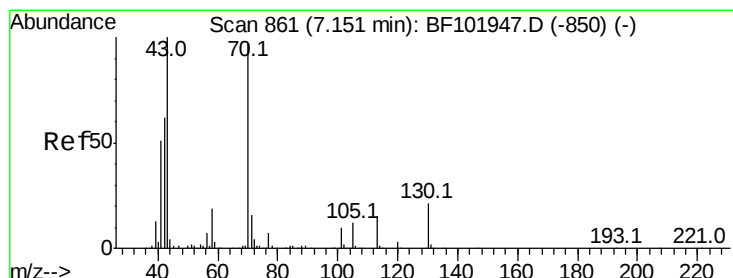
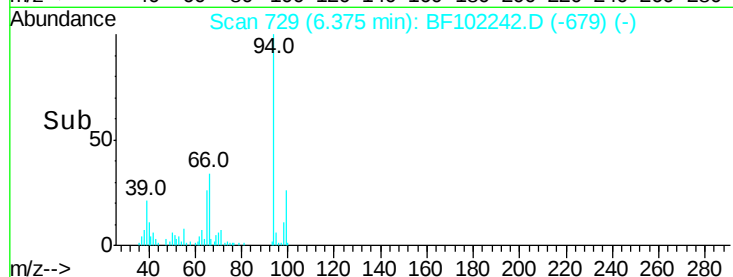
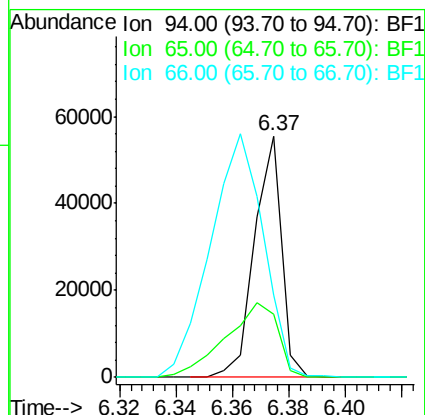
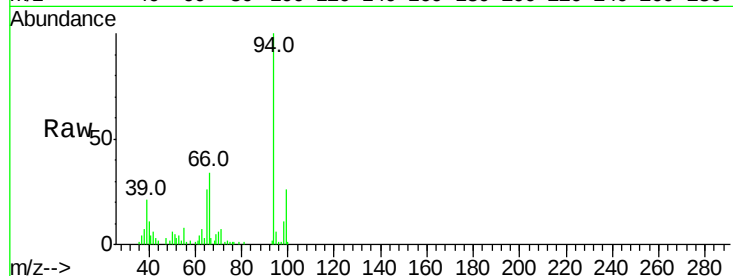
Tot Ion: 94 Resp: 36939

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

66 34.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.564 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Tgt Ion: 70 Resp: 111854

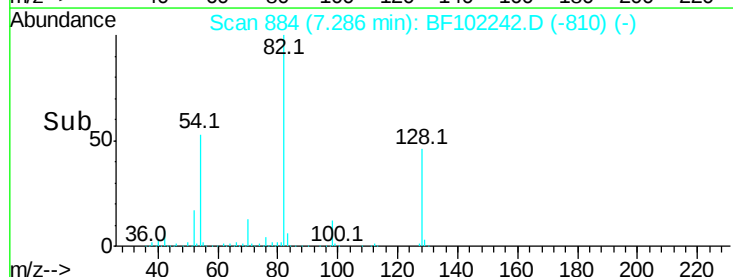
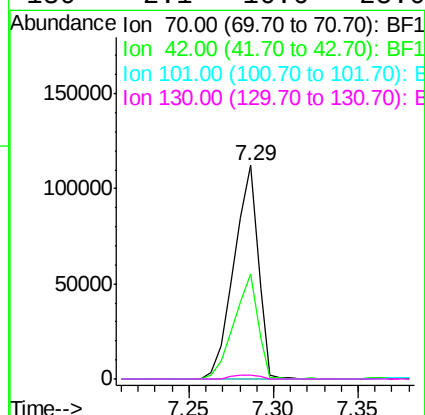
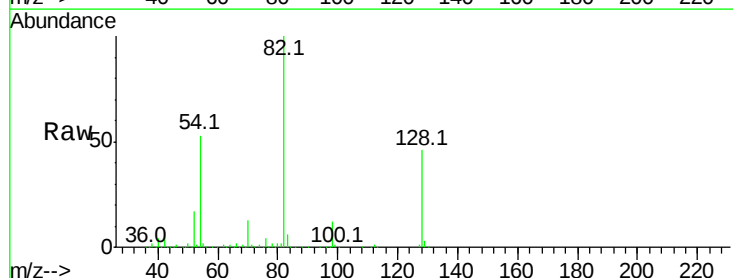
Ion Ratio Lower Upper

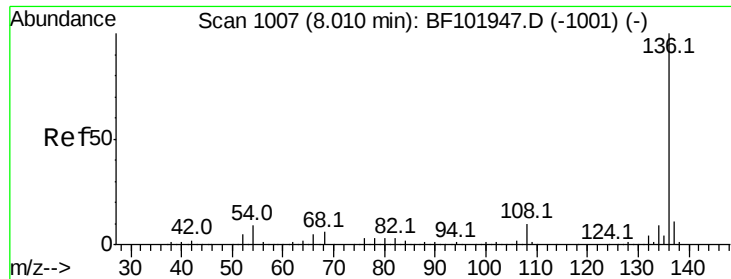
70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

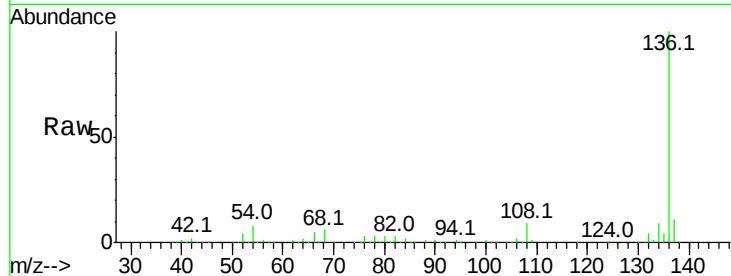




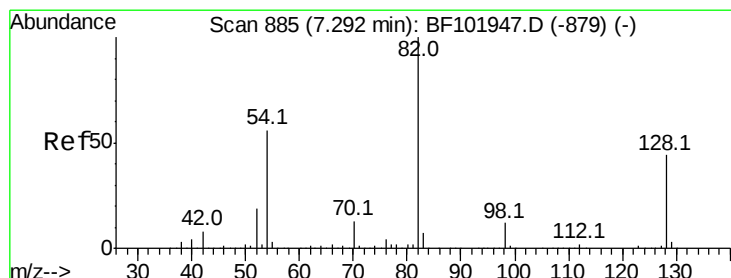
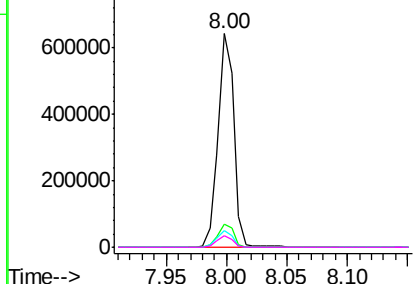
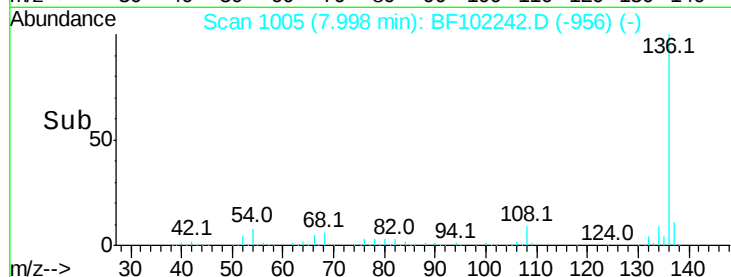
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	574914
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	6.6	9.8
68	5.6	5.0	7.4

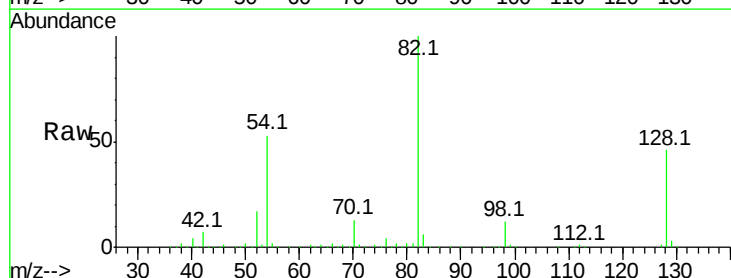


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

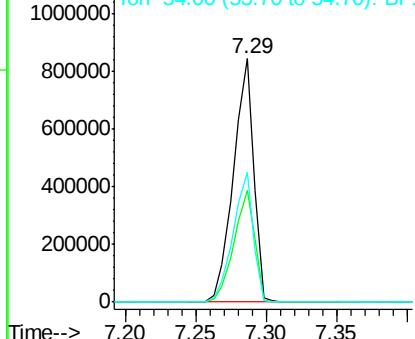
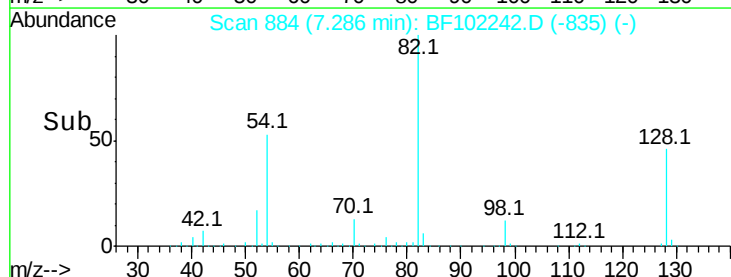


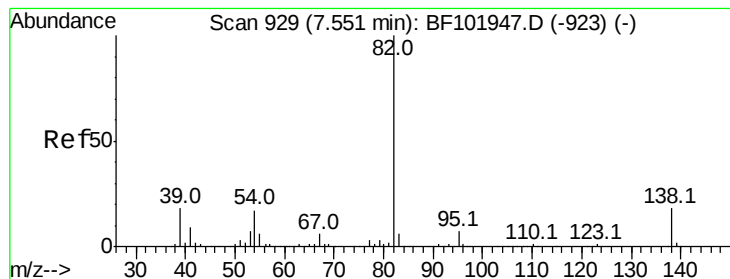
#23
Nitrobenzene-d5
Concen: 86.451 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Tgt Ion:	82	Resp:	845782
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	53.2	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: 43.751 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Instrument :

BNA_F

ClientSampled :

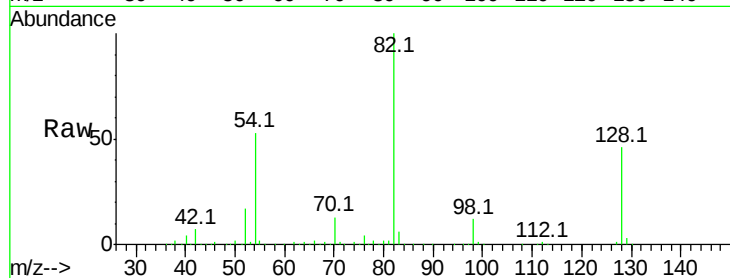
Tot Ion: 82 Resp: 845766

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

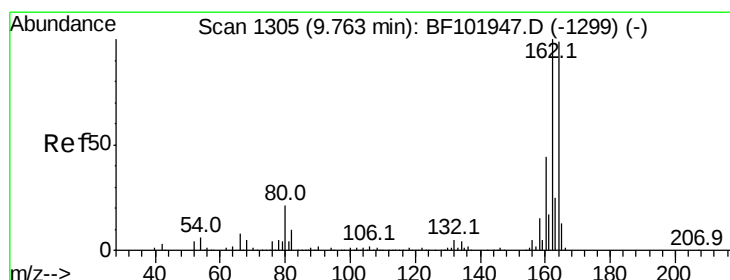
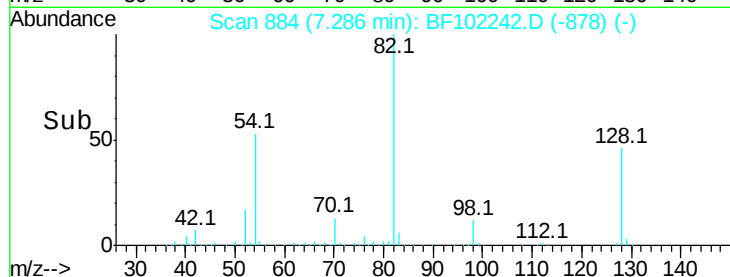
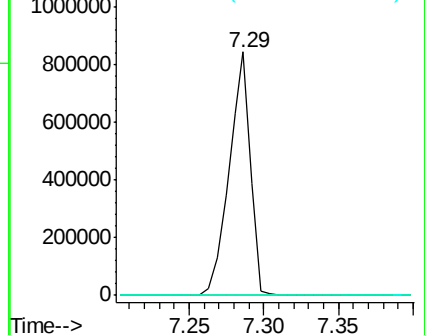
138 0.0 14.9 22.3#



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: BF102242.D

Acq: 20 Jan 2018 2:52

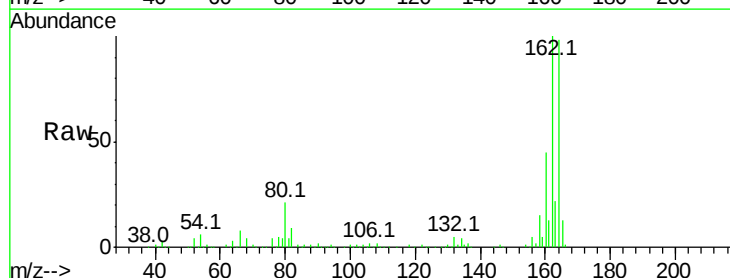
Tgt Ion:164 Resp: 249765

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

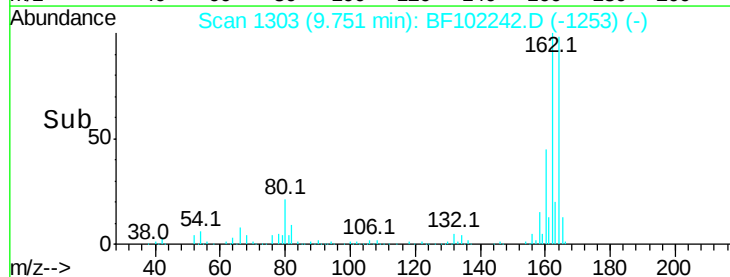
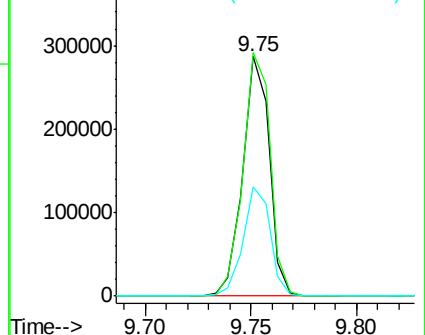
160 45.5 38.3 57.5

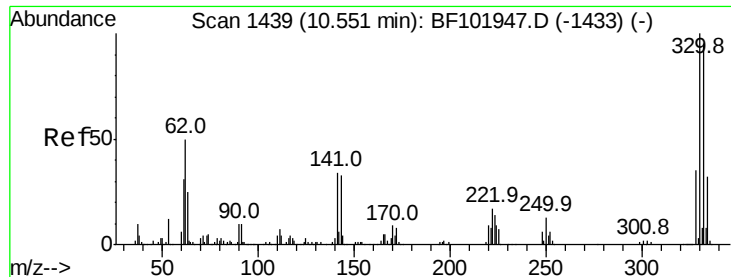


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

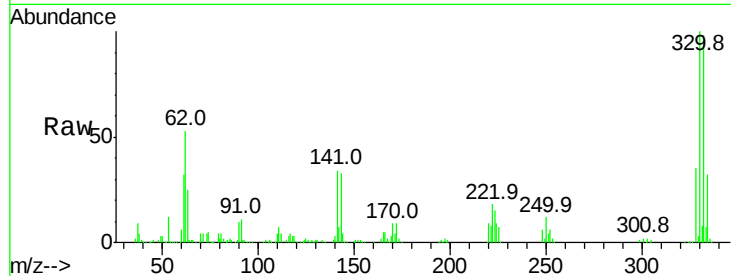




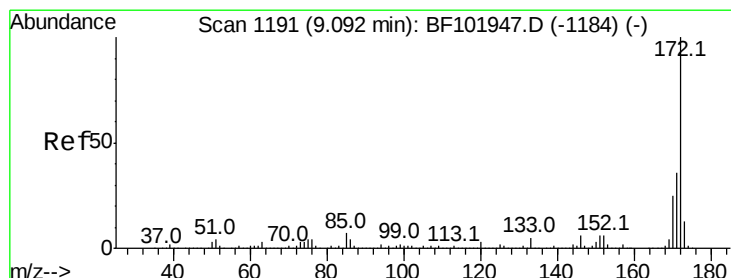
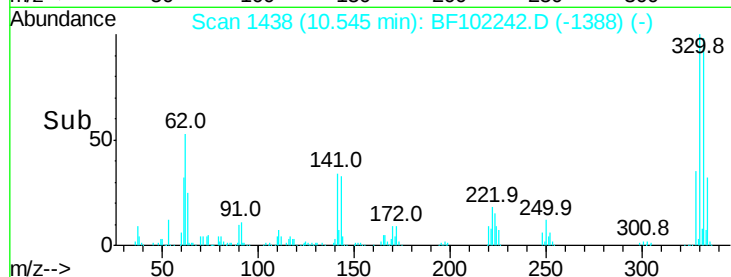
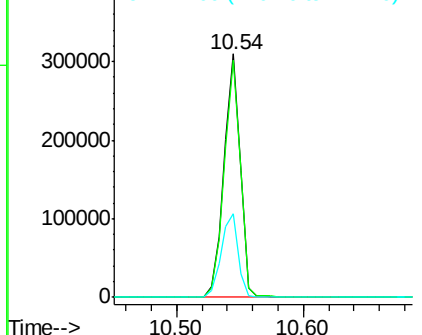
#41
 2,4,6-Tribromophenol
 Concen: 127.151 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	36.3	29.9	44.9

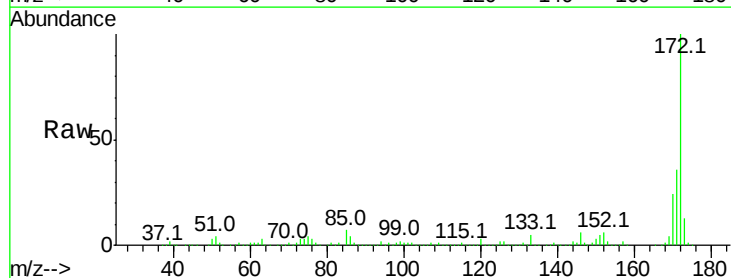


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

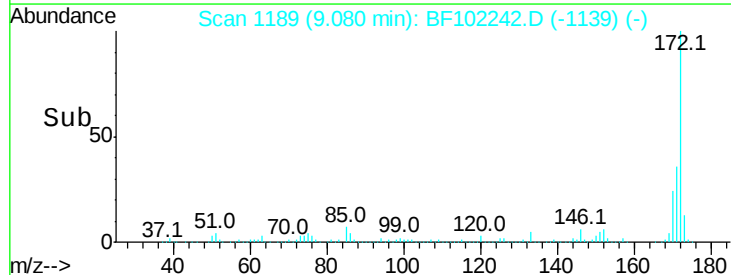
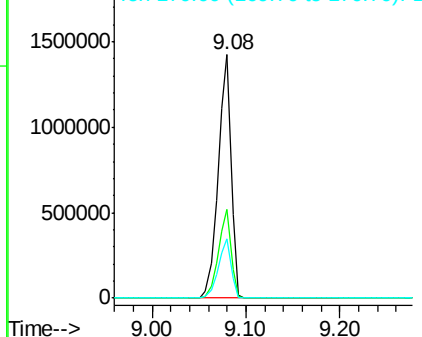


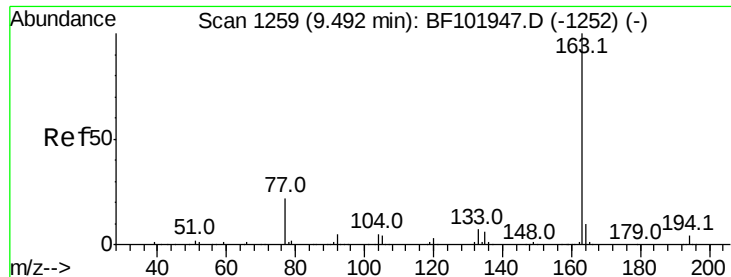
#44
 2-Fluorobiphenyl
 Concen: 85.563 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	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: 7.115 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Instrument :

BNA_F

ClientSampleId :

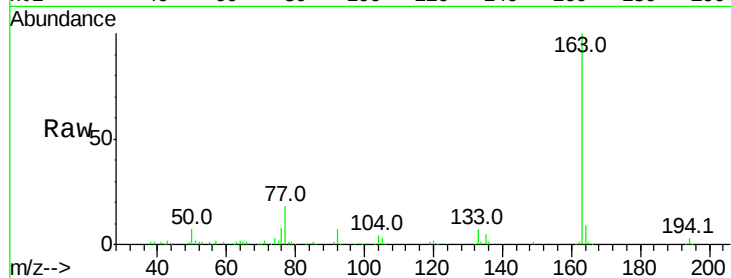
Tot Ion:163 Resp: 142559

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

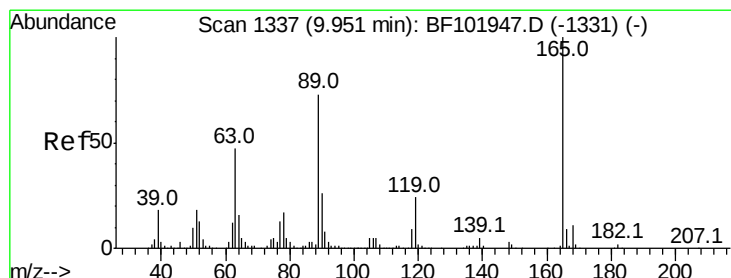
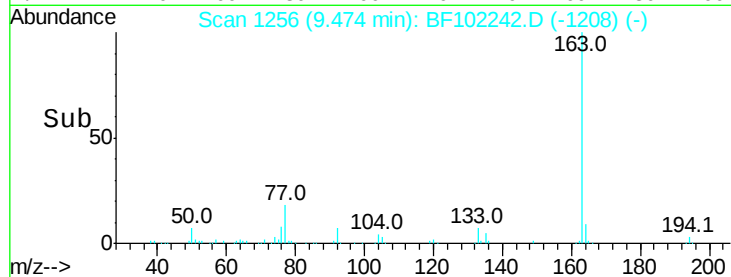
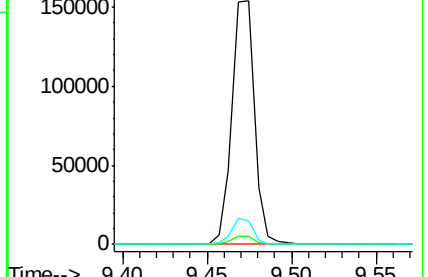
164 9.4 8.2 12.2



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: 6.349 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102242.D

Acq: 20 Jan 2018 2:52

Tgt Ion:165 Resp: 31848

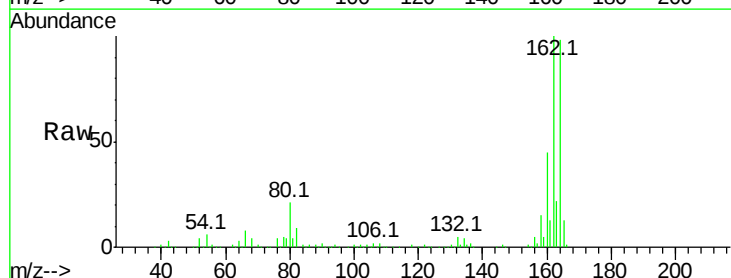
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

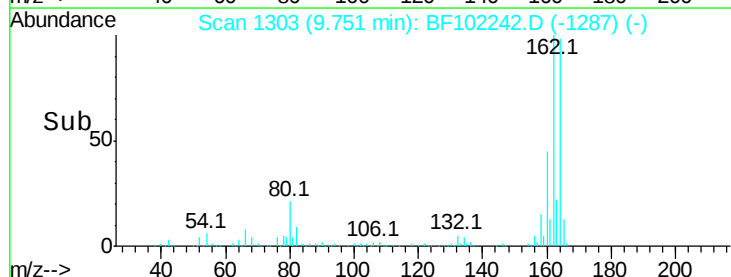
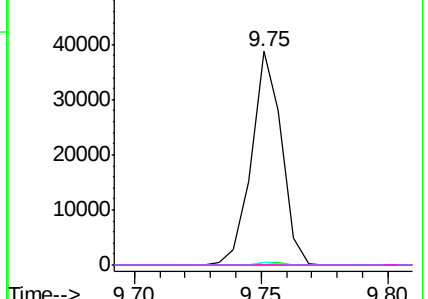


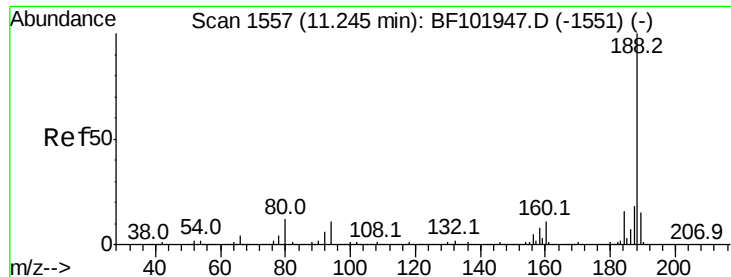
Abundance Ion 165.00 (164.70 to 165.70): E

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

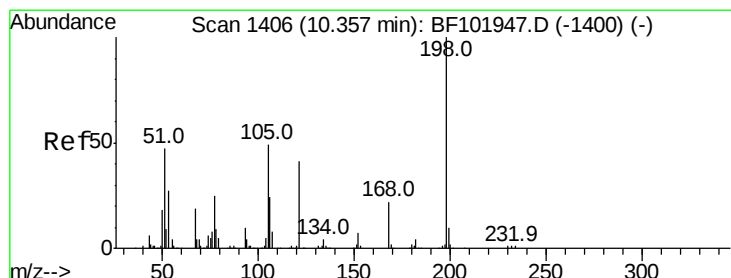
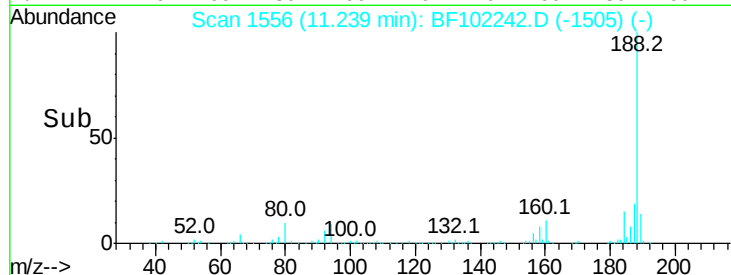
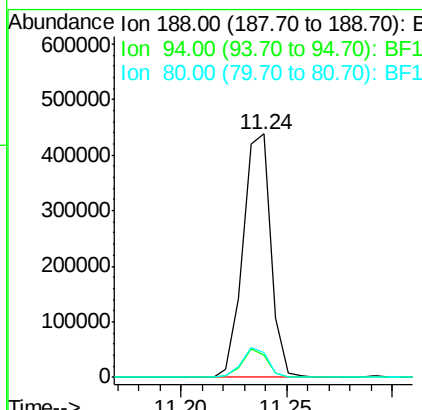
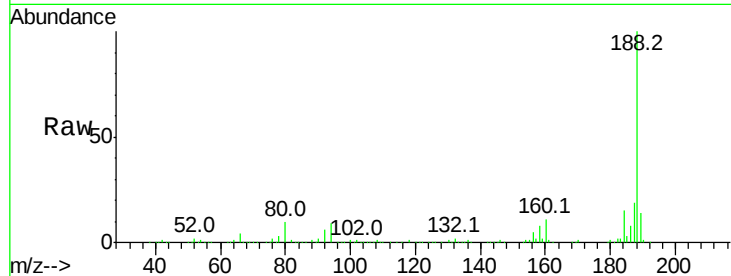




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

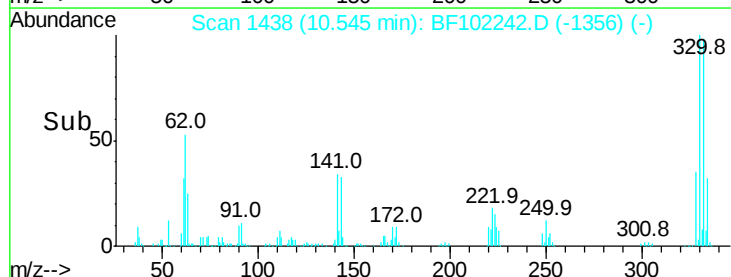
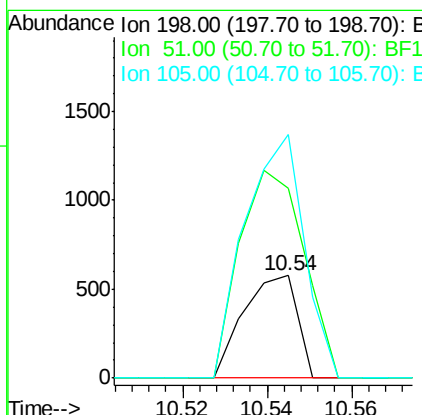
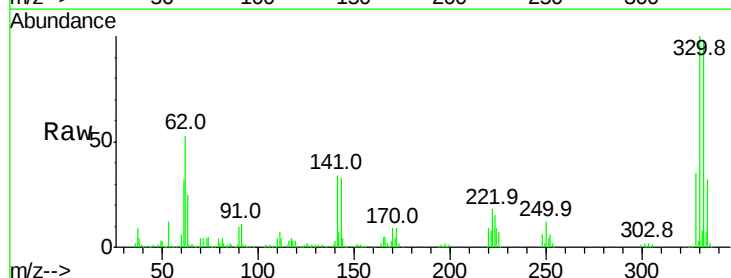
Instrument :
 BNA_F
 ClientSampleId :

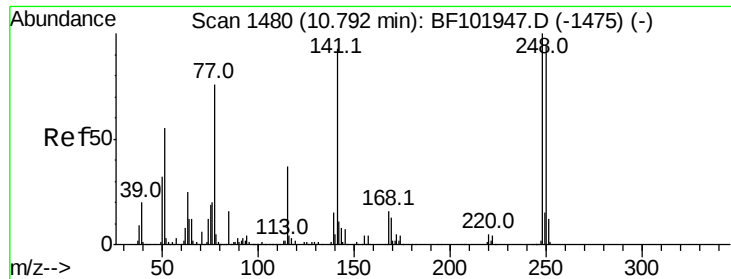
Tot Ion:188 Resp: 400849
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 10.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.870 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

Tgt Ion:198 Resp: 513
 Ion Ratio Lower Upper
 198 100
 51 185.3 37.7 77.7#
 105 237.0 36.3 76.3#

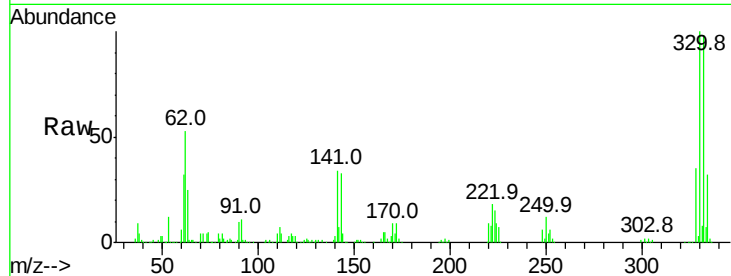




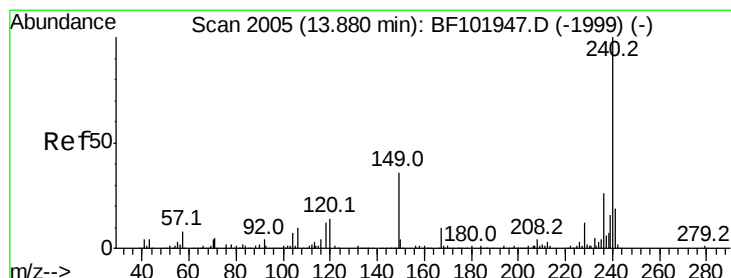
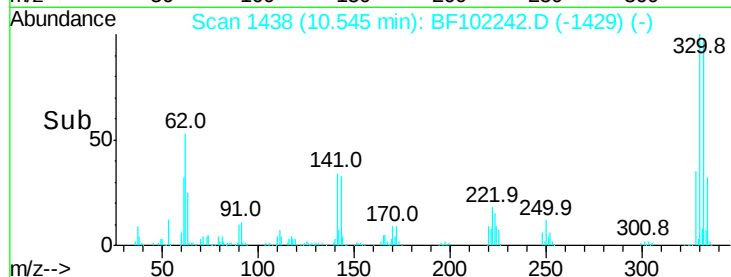
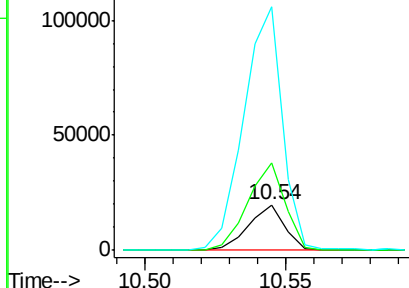
#66
4-Bromophenyl-phenylether
Concen: 4.141 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17531
Ion Ratio Lower Upper
248 100
250 191.1 76.9 115.3#
141 531.4 74.4 111.6#

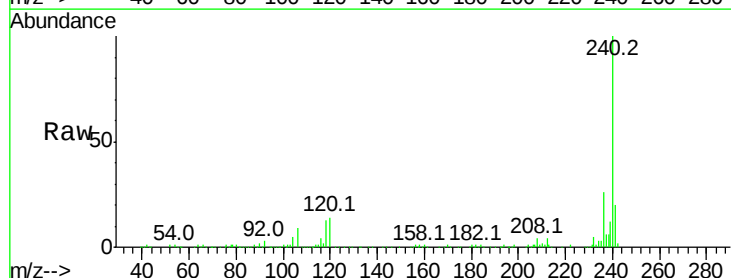


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

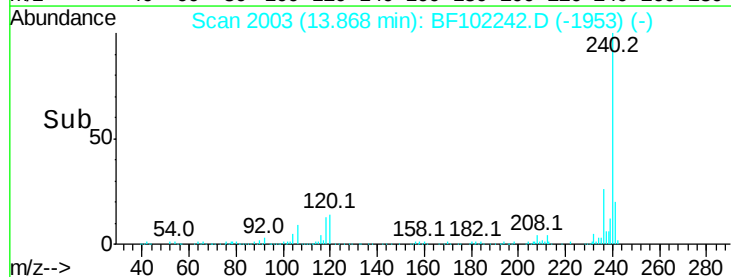
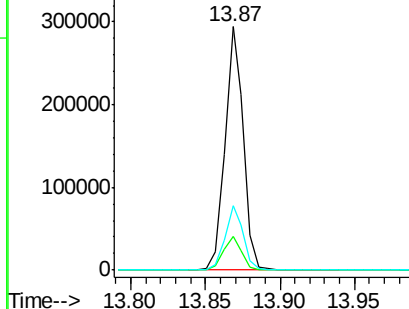


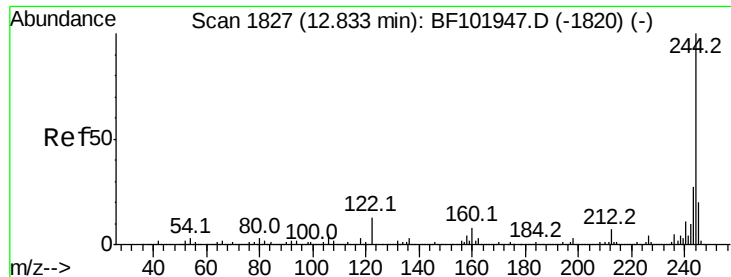
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102242.D
Acq: 20 Jan 2018 2:52

Tgt Ion:240 Resp: 255599
Ion Ratio Lower Upper
240 100
120 14.1 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

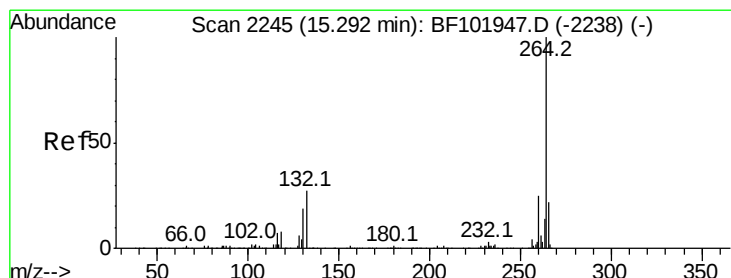
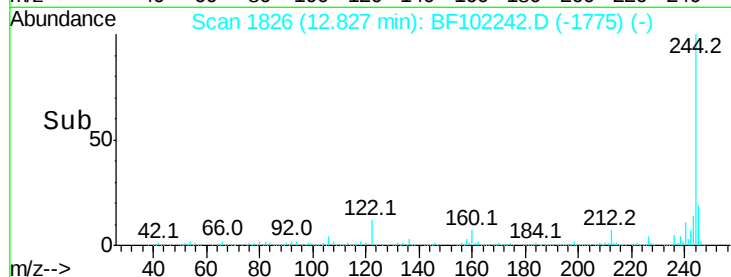
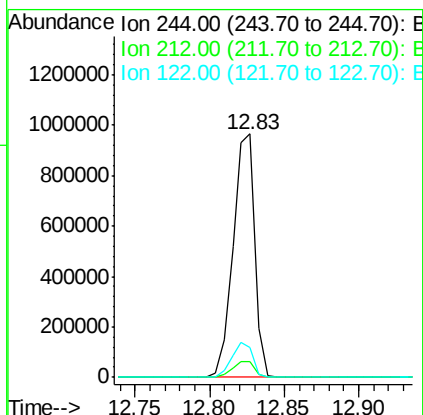
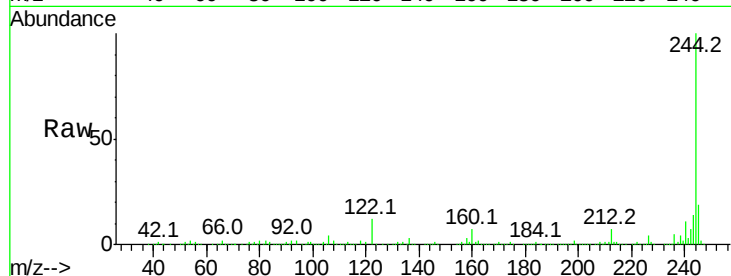




#78
 Terphenyl-d14
 Concen: 79.910 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 983736
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102242.D
 Acq: 20 Jan 2018 2:52

Tgt Ion:264 Resp: 261189
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 19.9 17.5 26.3

