

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102249.D
 Acq On : 20 Jan 2018 5:59
 Operator : SJ/JU
 Sample : J1113-19
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 23:35:12 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

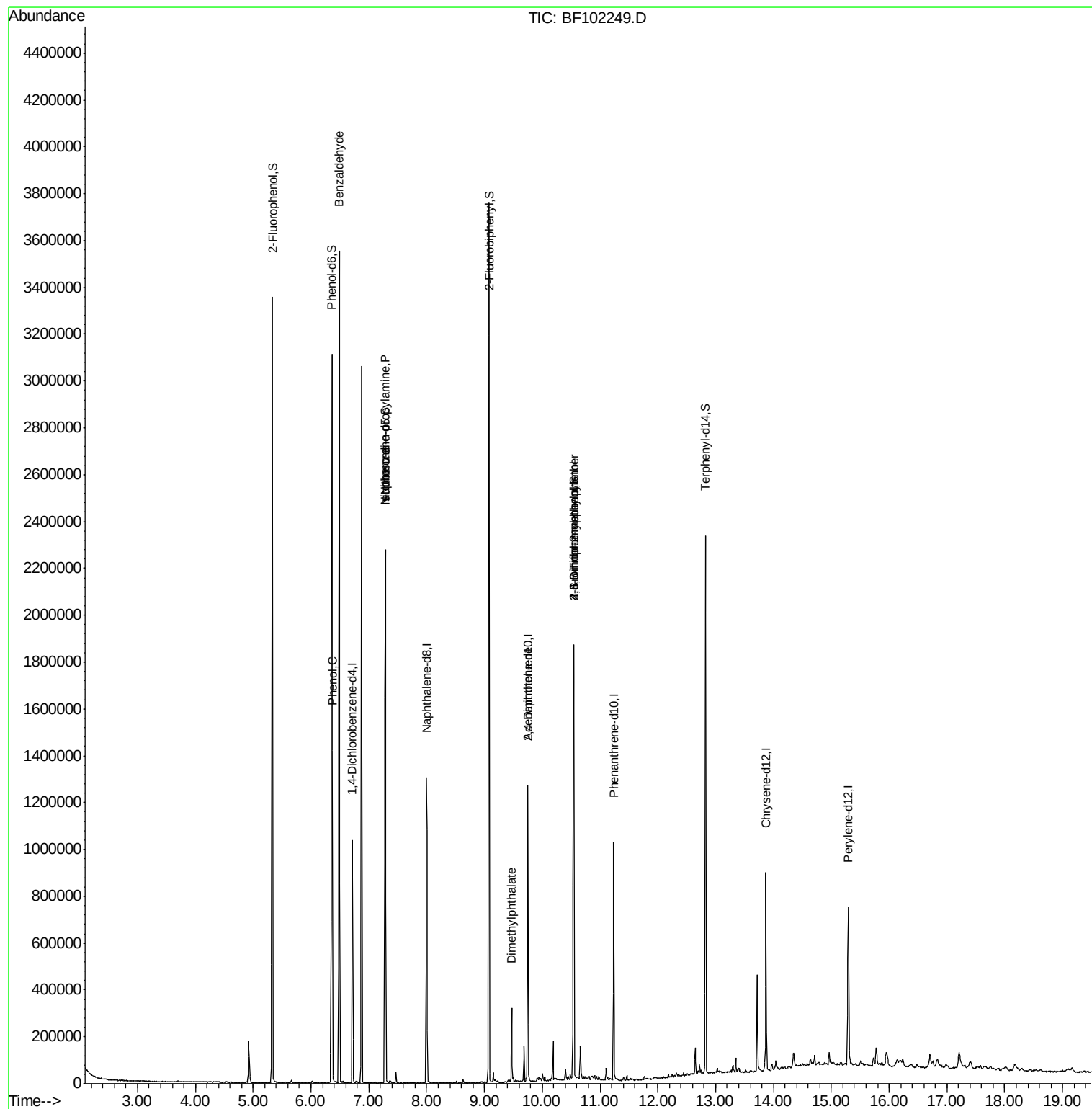
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	150161	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	591504	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	247380	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	366666	20.00	ng	0.00
75) Chrysene-d12	13.87	240	270550	20.00	ng	0.00
86) Perylene-d12	15.29	264	275845	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	981740	92.32	ng	0.00
7) Phenol-d6	6.36	99	1168359	92.09	ng	0.00
23) Nitrobenzene-d5	7.29	82	736938	73.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	221180	102.45	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1197724	75.64	ng	0.00
78) Terphenyl-d14	12.82	244	776042	59.56	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	20478	2.325	ng	90
10) Phenol	6.37	94	31097	2.169	ng	99
19) n-Nitroso-di-n-propylamine	7.29	70	96431	11.598	ng	# 79
25) Isophorone	7.29	82	737037	37.057	ng	# 64
49) Dimethylphthalate	9.47	163	120251	6.060	ng	100
56) 2,4-Dinitrotoluene	9.75	165	30714	6.182	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	431	5.853	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14499	3.744	ng	# 1

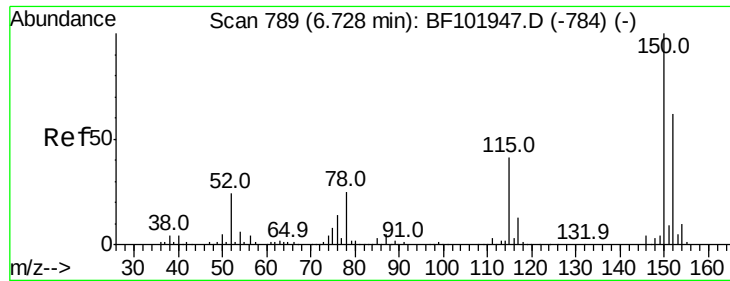
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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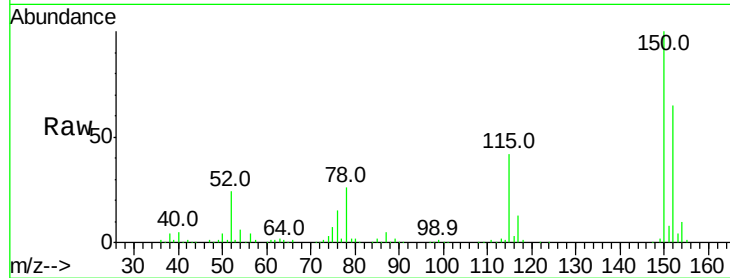


#1

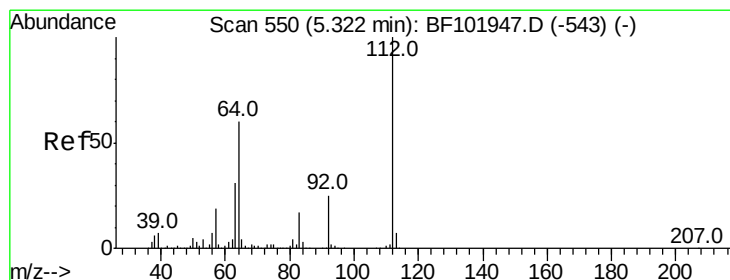
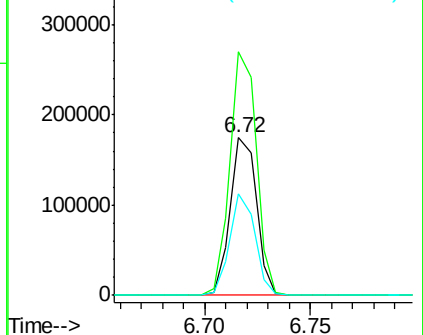
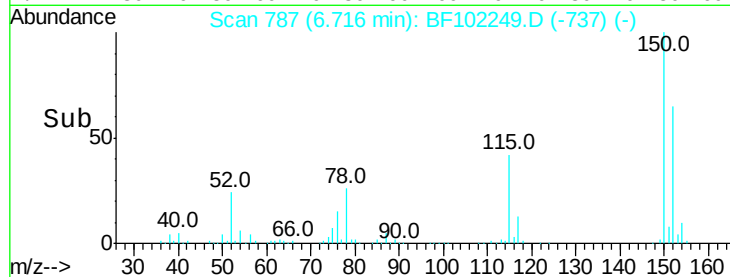
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150161
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 64.9 50.1 75.1



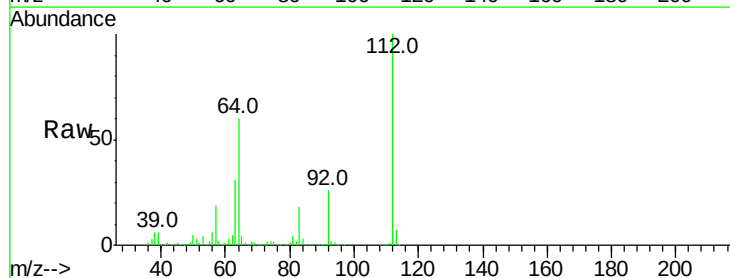
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



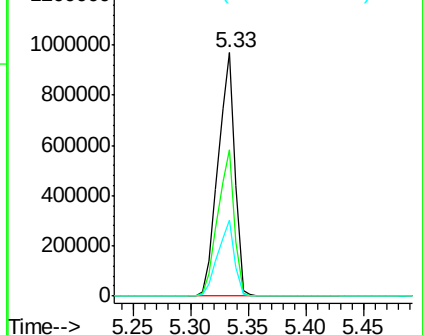
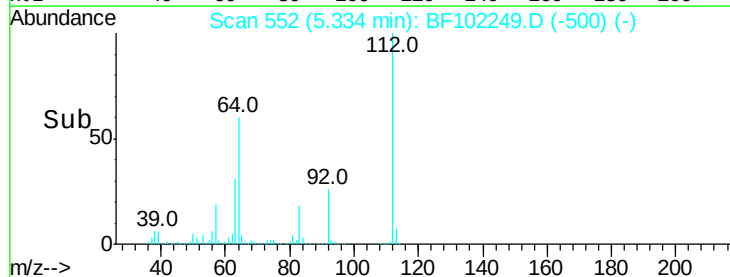
#5

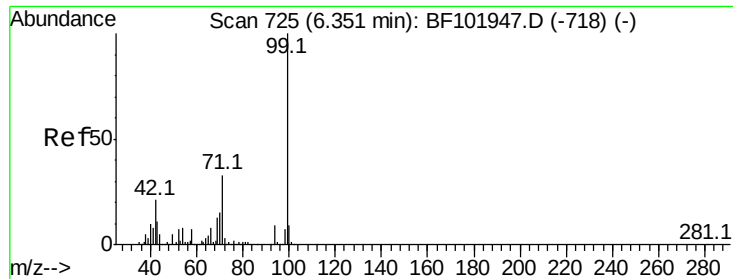
2-Fluorophenol
Concen: 92.321 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Tgt Ion:112 Resp: 981740
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 31.0 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: 92.088 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Instrument :

BNA_F

ClientSampled :

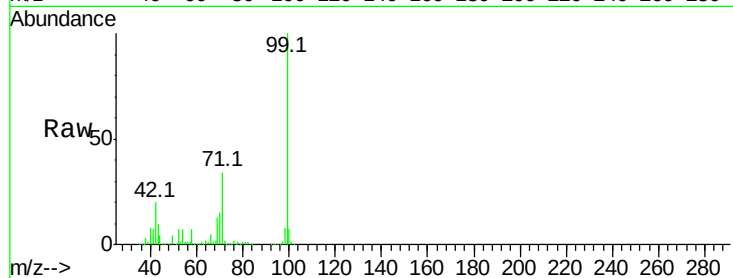
Tot Ion: 99 Resp: 1168359

Ion Ratio Lower Upper

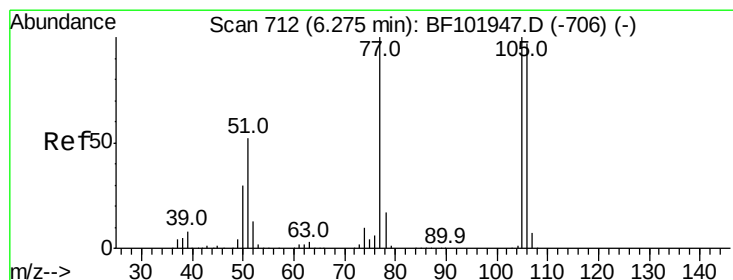
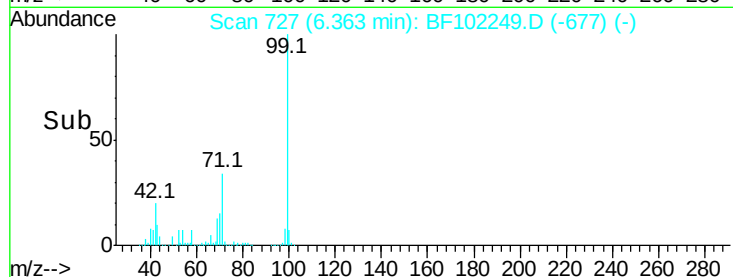
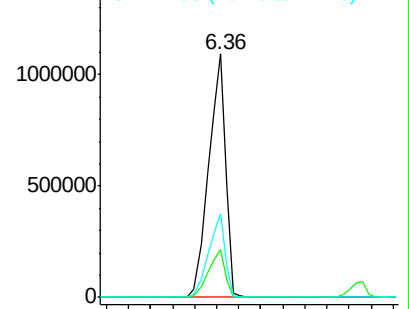
99 100

42 19.7 14.5 21.7

71 34.4 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: 2.325 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

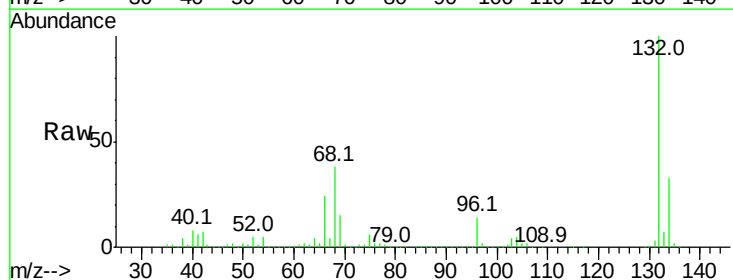
Tgt Ion: 77 Resp: 20478

Ion Ratio Lower Upper

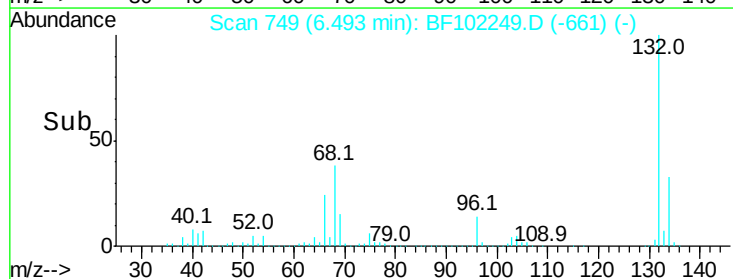
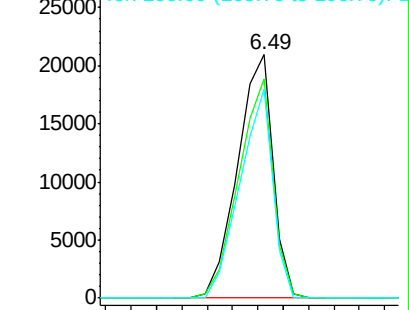
77 100

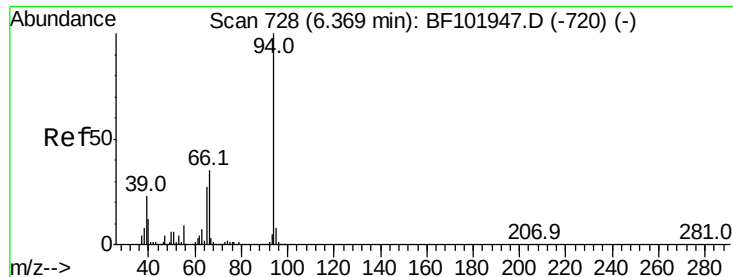
105 89.9 81.1 121.1

106 86.0 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: 2.169 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Instrument :

BNA_F

ClientSampleId :

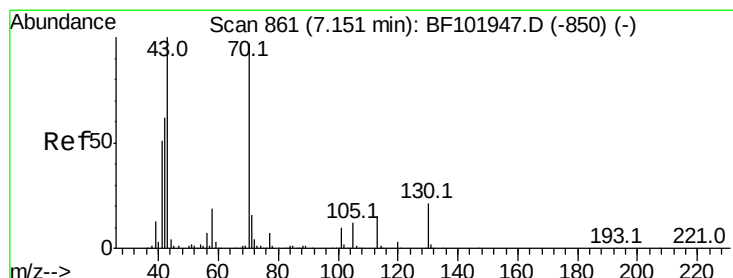
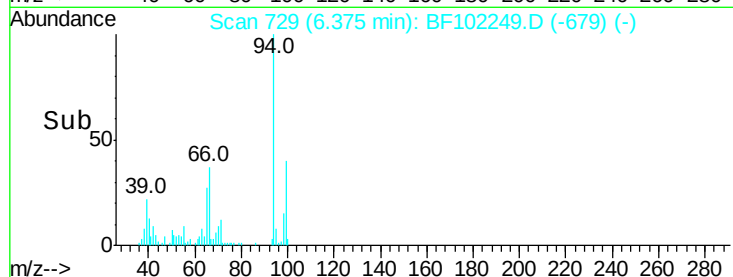
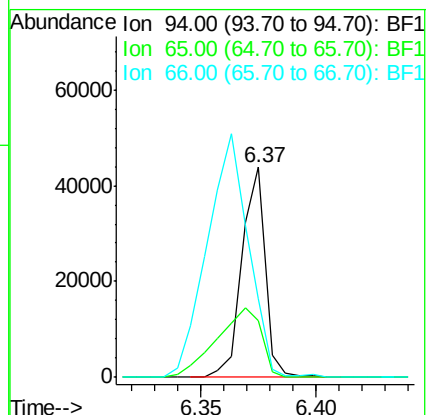
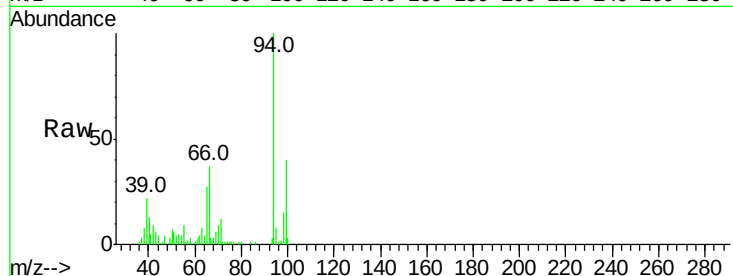
Tot Ion: 94 Resp: 31097

Ion Ratio Lower Upper

94 100

65 27.3 7.9 47.9

66 37.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.598 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Tgt Ion: 70 Resp: 96431

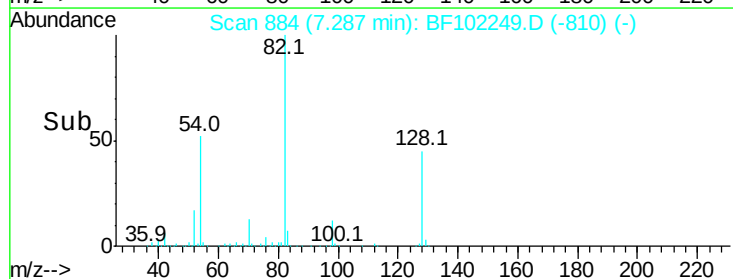
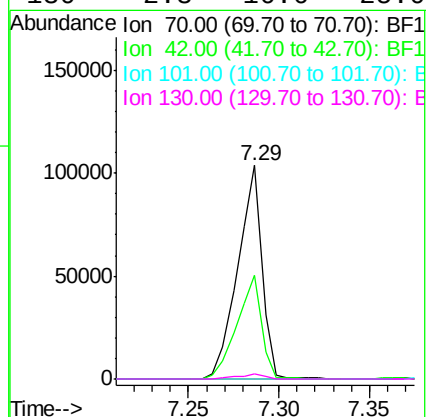
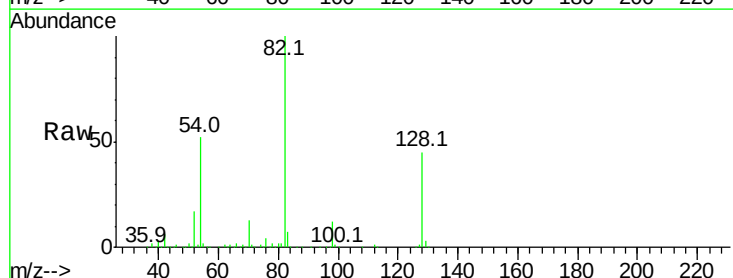
Ion Ratio Lower Upper

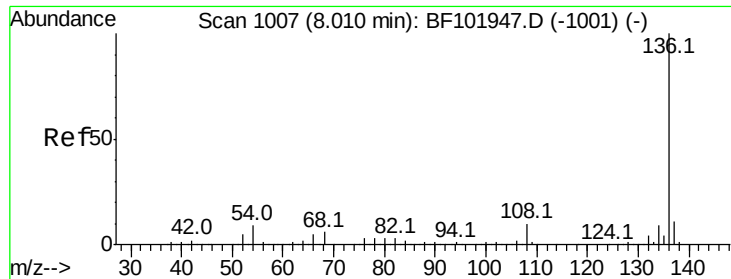
70 100

42 48.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

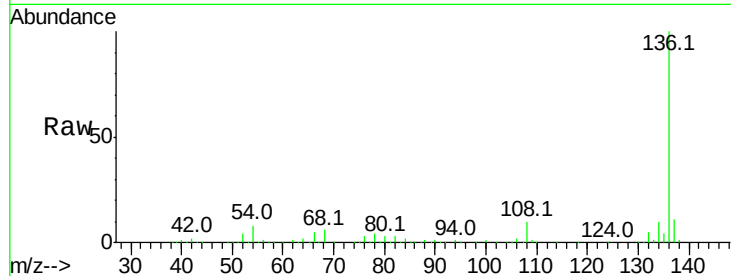




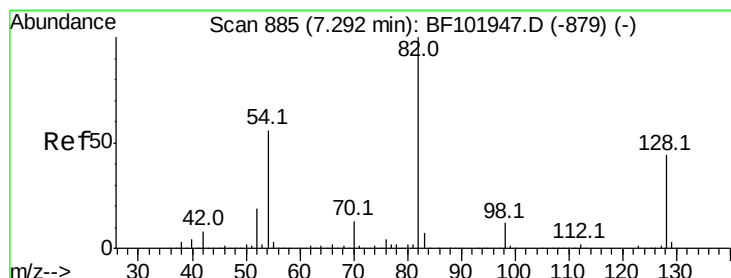
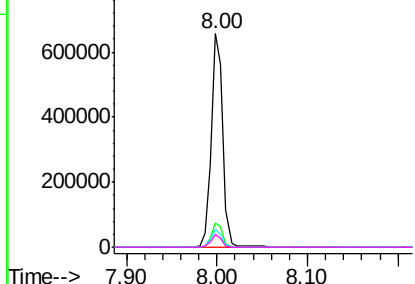
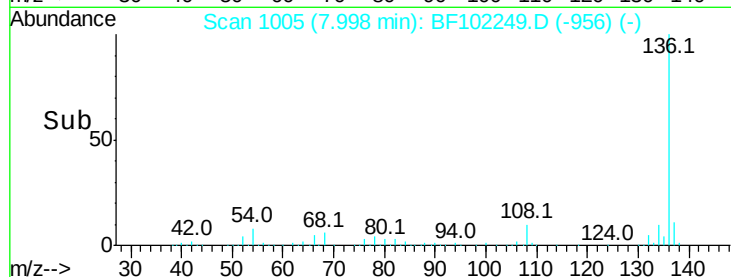
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	591504
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	6.6	9.8
68	5.8	5.0	7.4

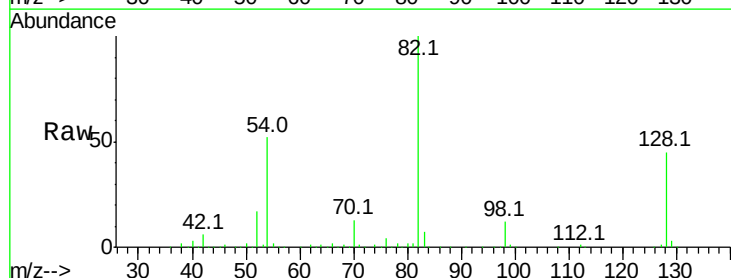


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

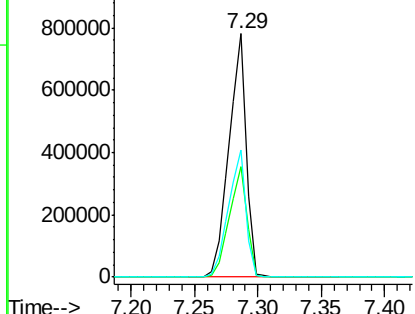
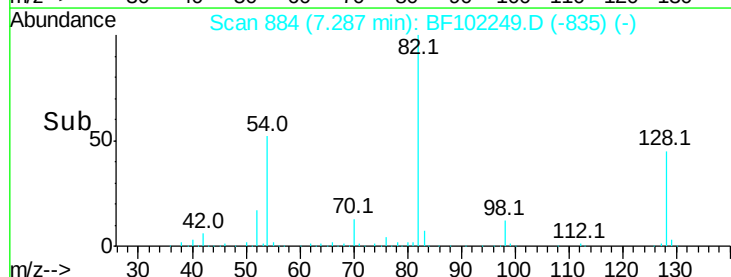


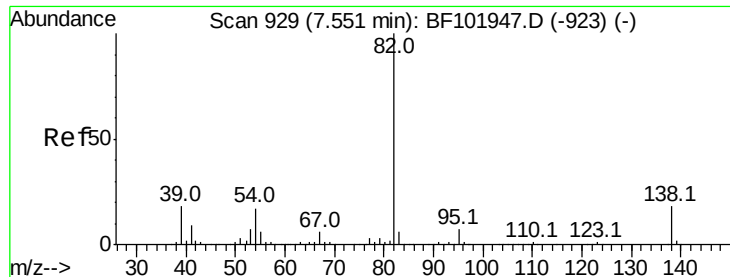
#23
Nitrobenzene-d5
Concen: 73.213 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Tgt Ion:	82	Resp:	736938
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	52.3	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: 37.057 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Instrument :

BNA_F

ClientSampleId :

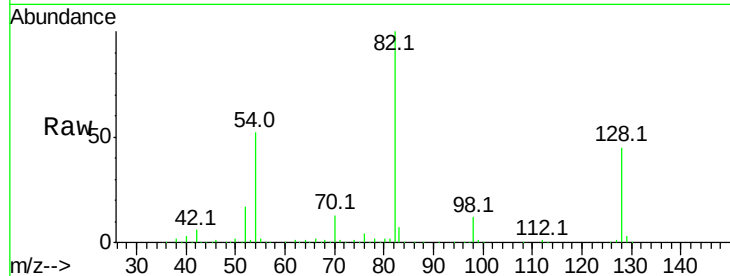
Tot Ion: 82 Resp: 737037

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

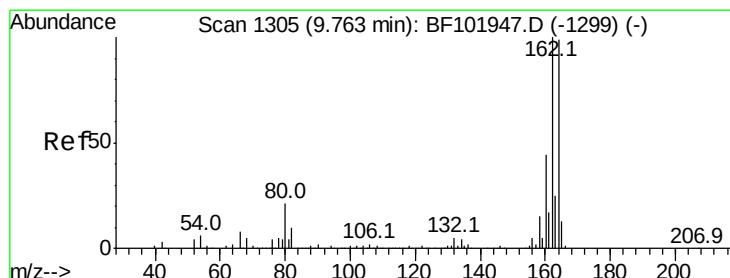
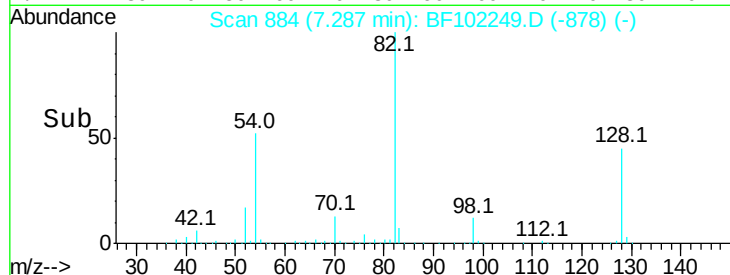
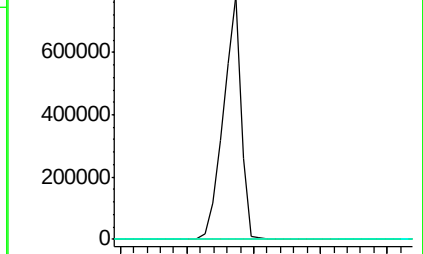
138 0.0 14.9 22.3#



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: BF102249.D

Acq: 20 Jan 2018 5:59

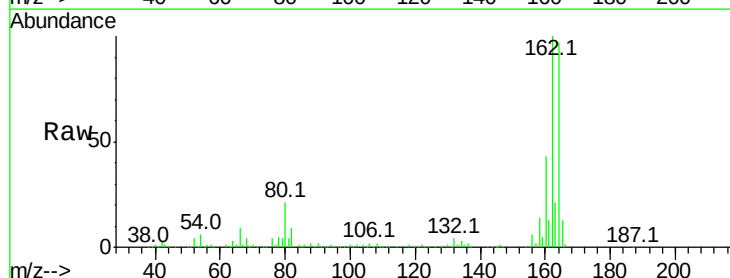
Tgt Ion:164 Resp: 247380

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

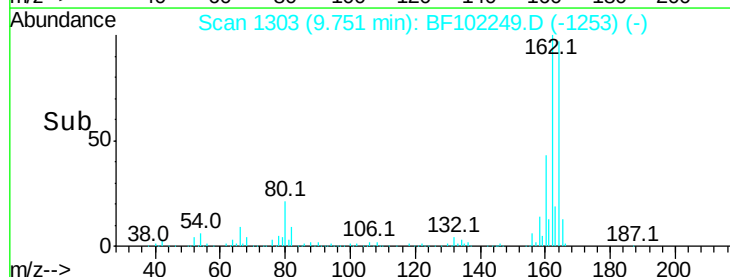
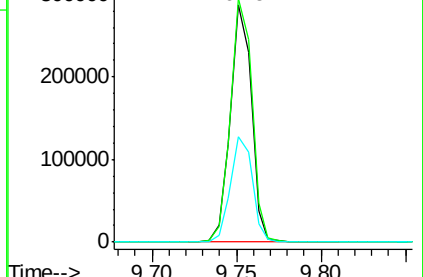
160 44.5 38.3 57.5

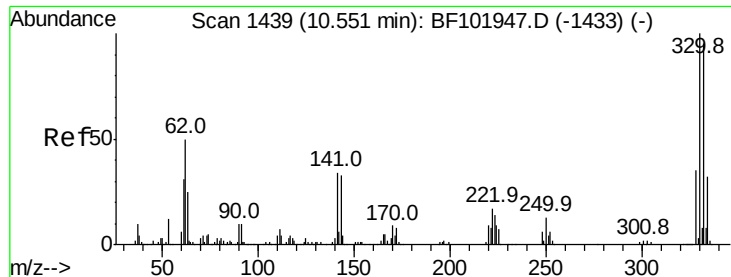


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

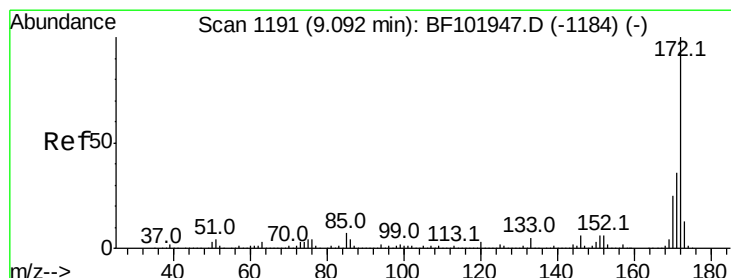
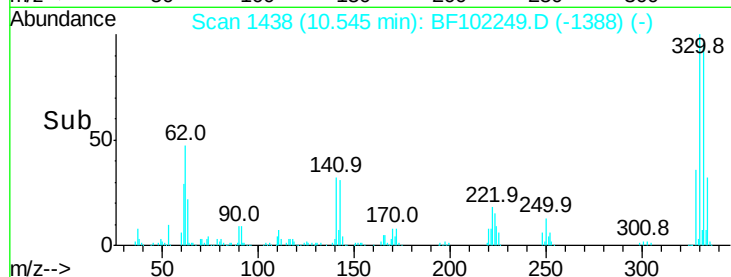
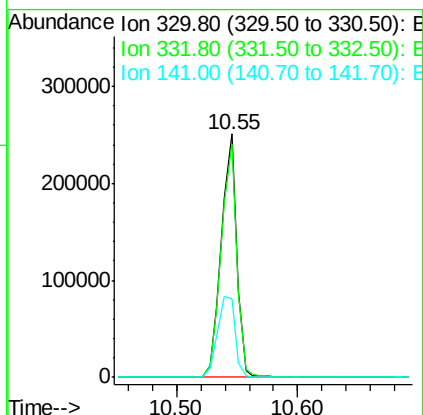
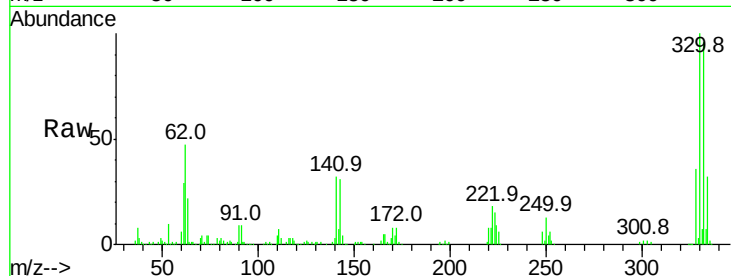




#41
2,4,6-Tribromophenol
Concen: 102.453 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

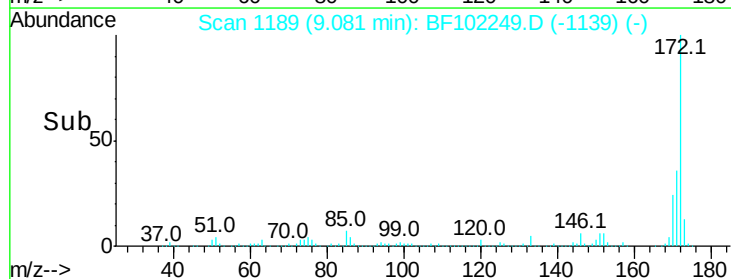
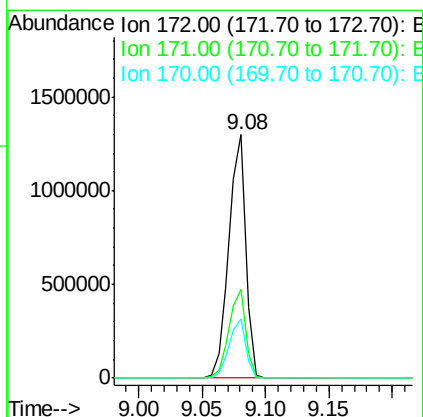
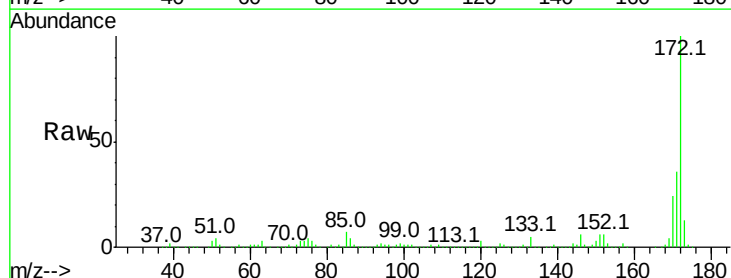
Instrument :
BNA_F
ClientSampleId :

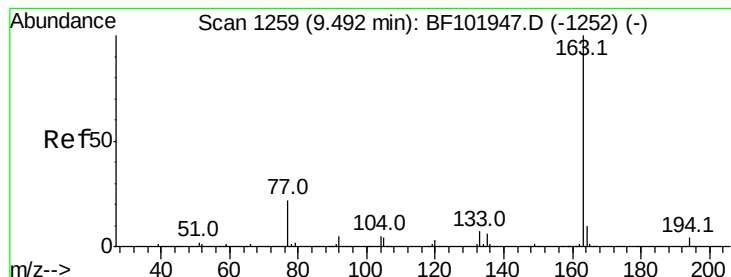
Tot Ion:330 Resp: 221180
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 37.9 29.9 44.9



#44
2-Fluorobiphenyl
Concen: 75.639 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Tgt Ion:172 Resp: 1197724
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.4 19.6 29.4





#49

Dimethylphthalate

Concen: 6.060 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Instrument :

BNA_F

ClientSampleId :

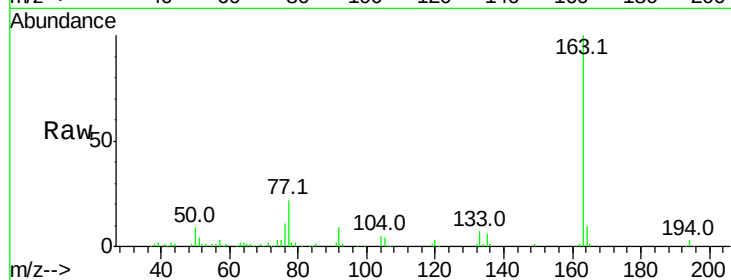
Tot Ion:163 Resp: 120251

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

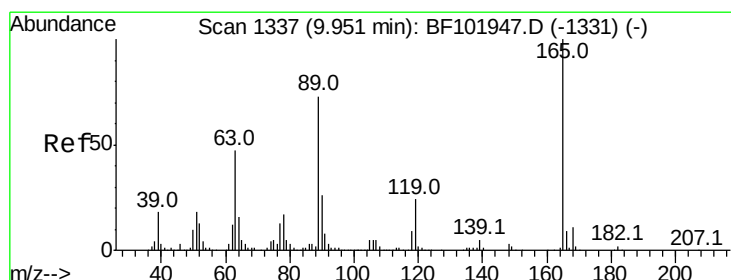
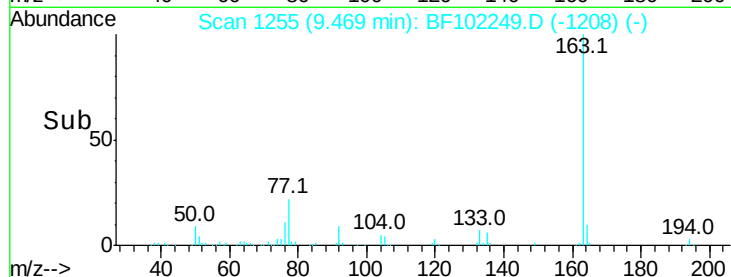
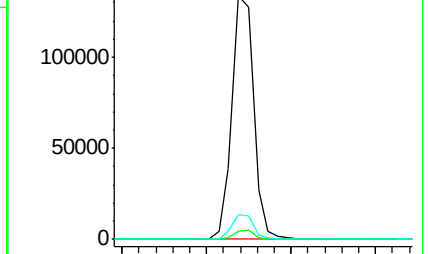
164 10.4 8.2 12.2



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: 6.182 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Tgt Ion:165 Resp: 30714

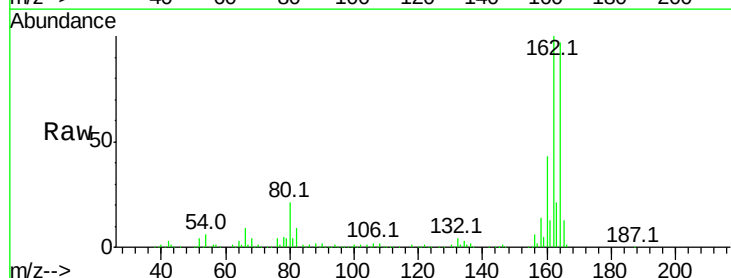
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

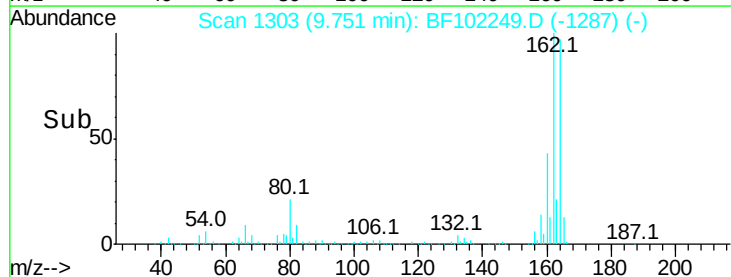
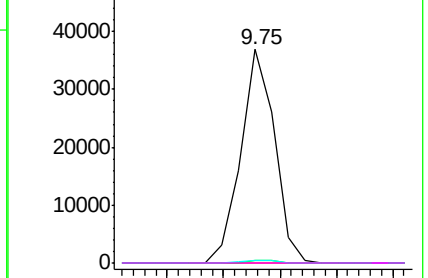


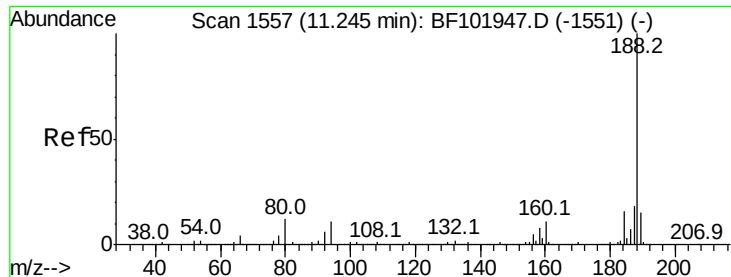
Abundance Ion 165.00 (164.70 to 165.70): E

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

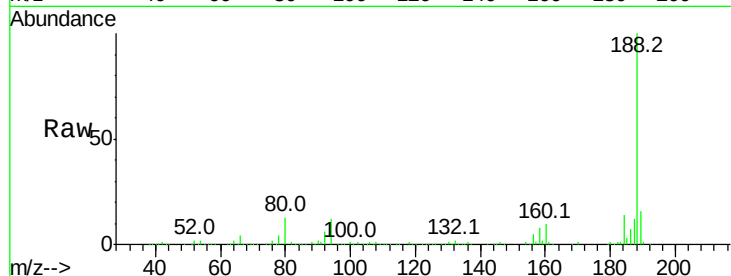




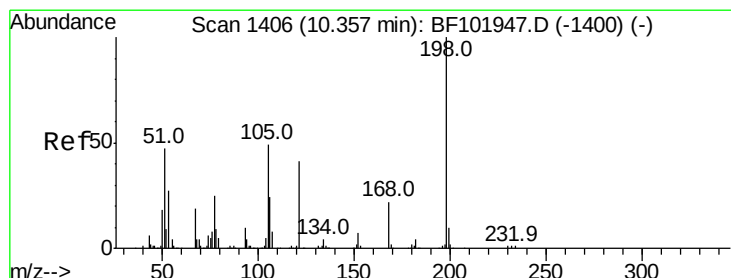
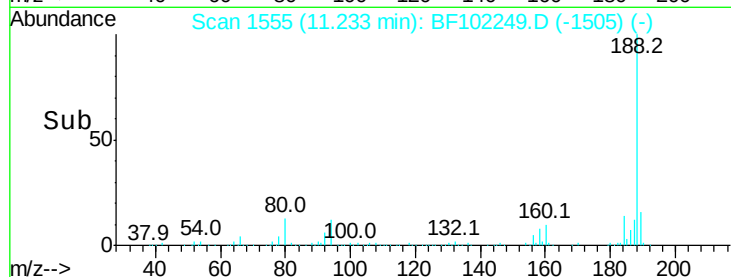
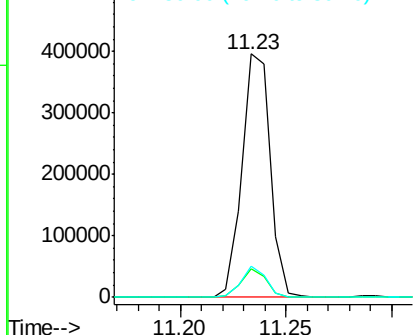
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 366666
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.7 9.2 13.8

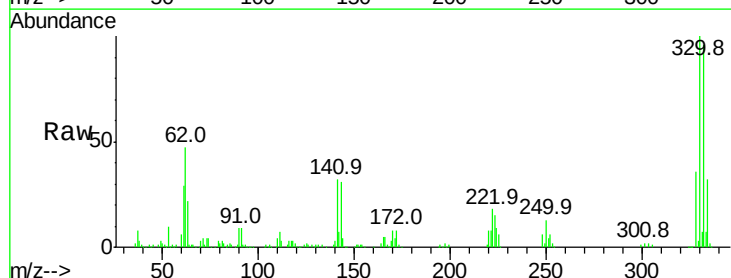


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

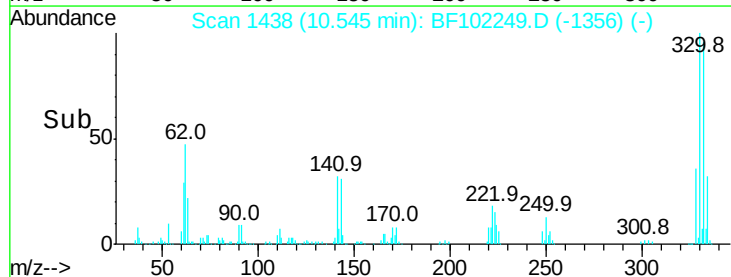
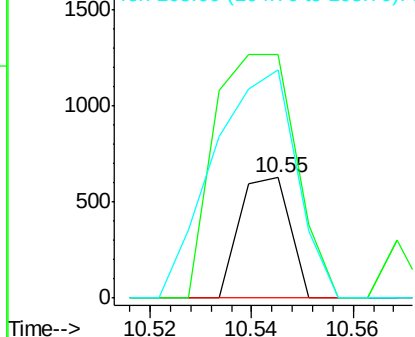


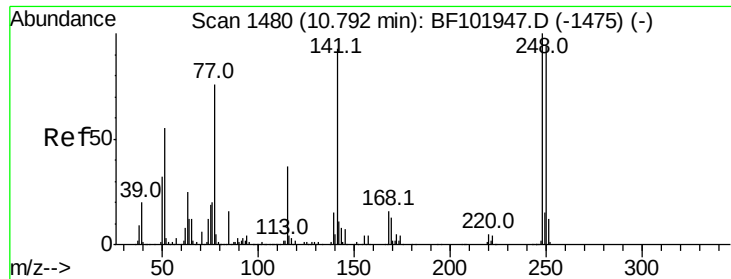
#64
4,6-Dinitro-2-methylphenol
Concen: 5.853 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Tgt Ion:198 Resp: 431
Ion Ratio Lower Upper
198 100
51 202.6 37.7 77.7#
105 189.9 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

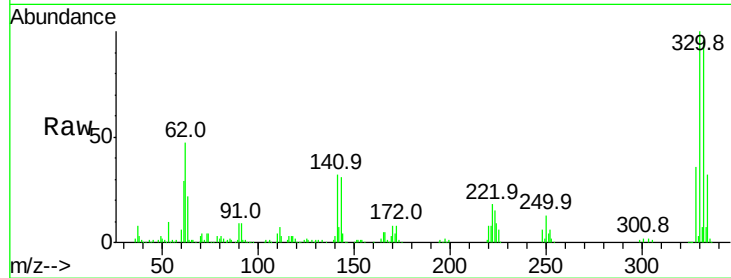




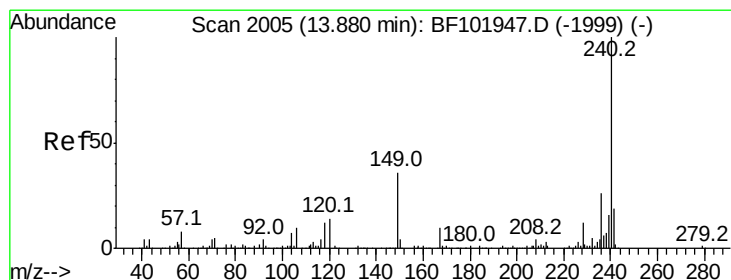
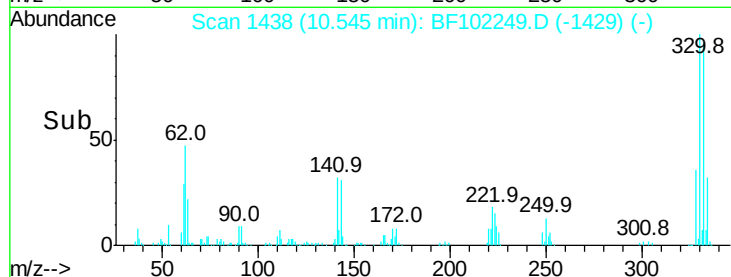
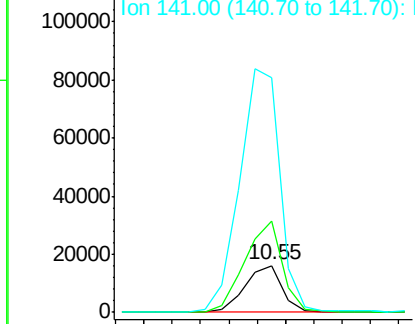
#66
4-Bromophenyl-phenylether
Concen: 3.744 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14499
Ion Ratio Lower Upper
248 100
250 197.3 76.9 115.3#
141 503.2 74.4 111.6#

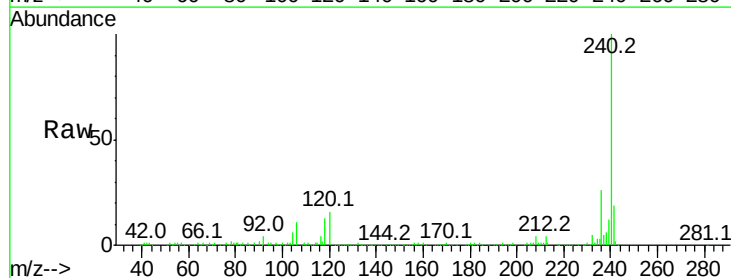


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

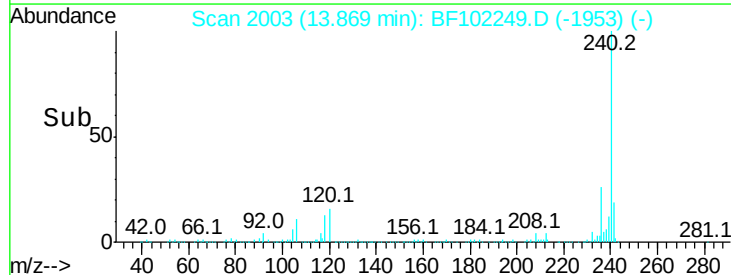
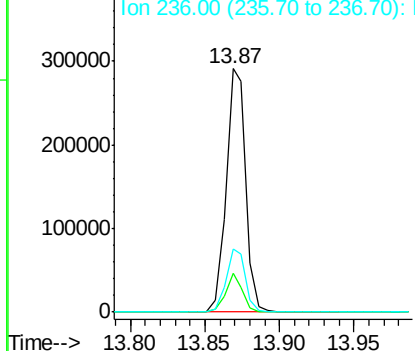


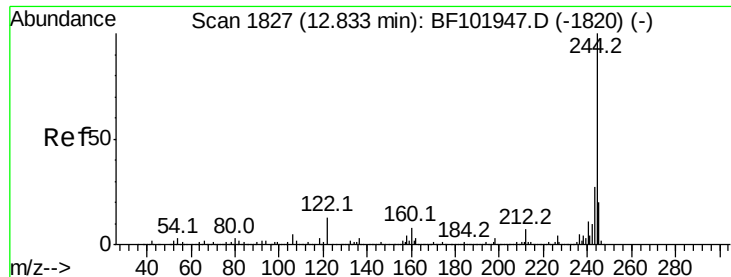
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102249.D
Acq: 20 Jan 2018 5:59

Tgt Ion:240 Resp: 270550
Ion Ratio Lower Upper
240 100
120 15.7 9.5 14.3#
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 59.555 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

Instrument :

BNA_F

ClientSampleId :

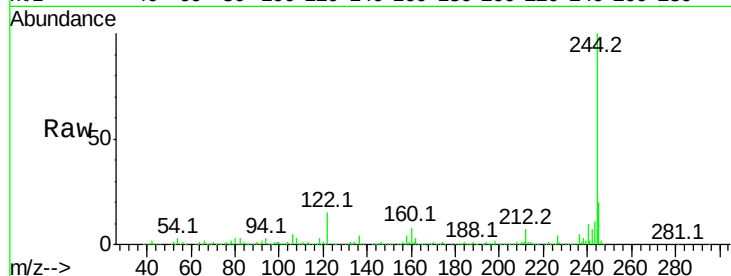
Tot Ion:244 Resp: 776042

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

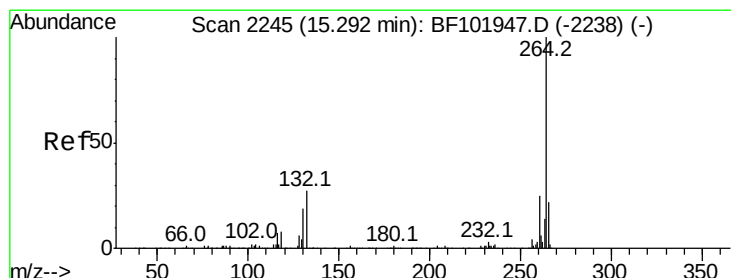
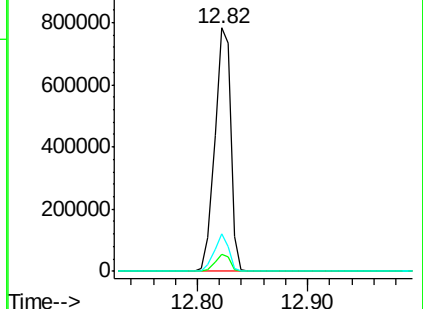
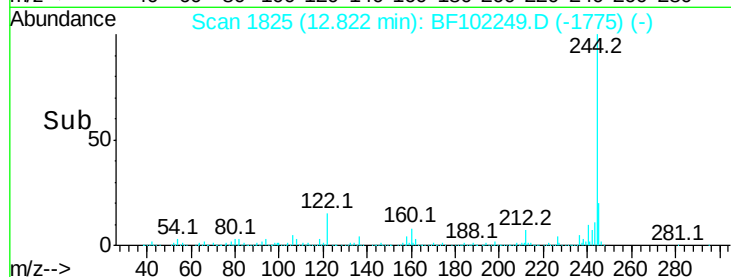
122 15.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BF102249.D

Acq: 20 Jan 2018 5:59

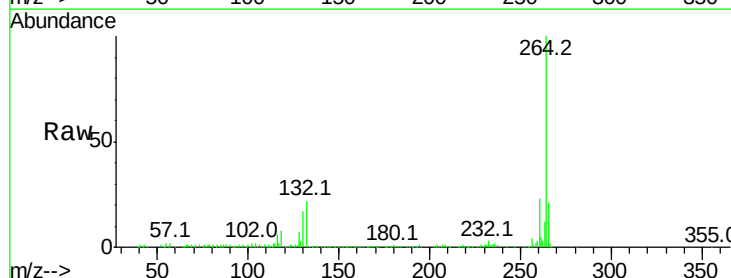
Tgt Ion:264 Resp: 275845

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.9 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

