

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102092.D
 Acq On : 16 Jan 2018 6:31
 Operator : SJ/JU
 Sample : J1116-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 07:09:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

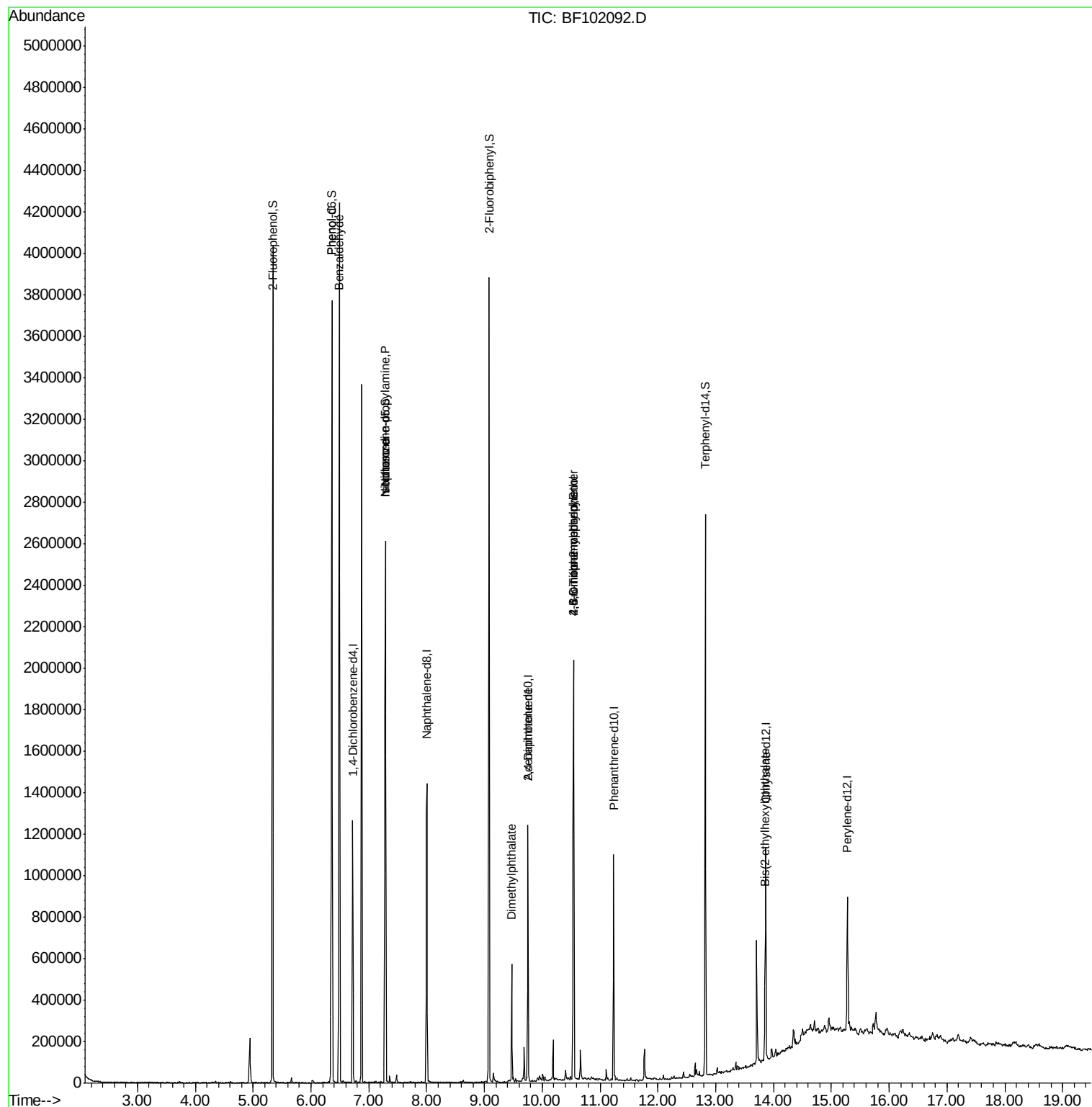
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	171722	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	650166	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	247281	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	351054	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	326015	20.00	ng	-0.02
86) Perylene-d12	15.28	264	287696	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1240286	101.99	ng	0.01
7) Phenol-d6	6.36	99	1439903	99.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	889085	80.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	230737	106.92	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1209415	76.41	ng	-0.01
78) Terphenyl-d14	12.82	244	847861	54.00	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	27267	2.707	ng	83
10) Phenol	6.37	94	48538	2.960	ng	# 63
19) n-Nitroso-di-n-propylamine	7.29	70	119747	12.594	ng	# 81
25) Isophorone	7.29	82	885846	40.521	ng	# 64
49) Dimethylphthalate	9.47	163	210962	10.635	ng	98
56) 2,4-Dinitrotoluene	9.75	165	30564	6.154	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.54	198	588	5.934	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	15262	4.117	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.85	149	70433	4.643	ng	# 99

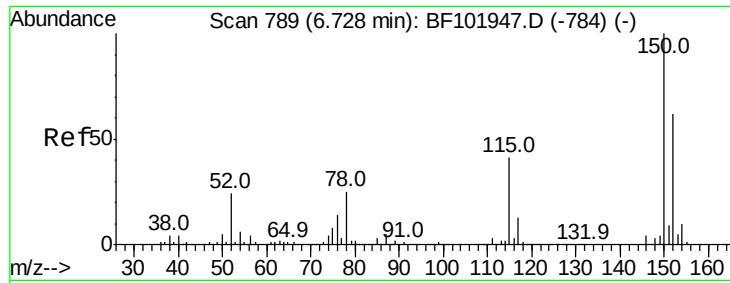
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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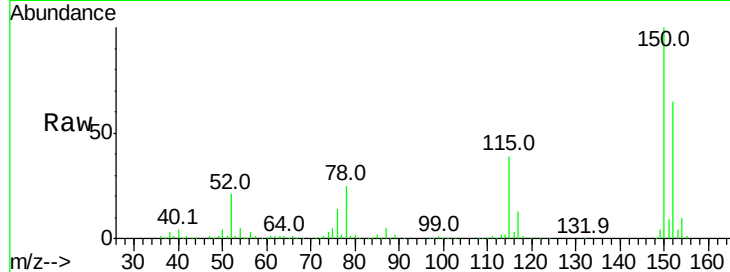


#1

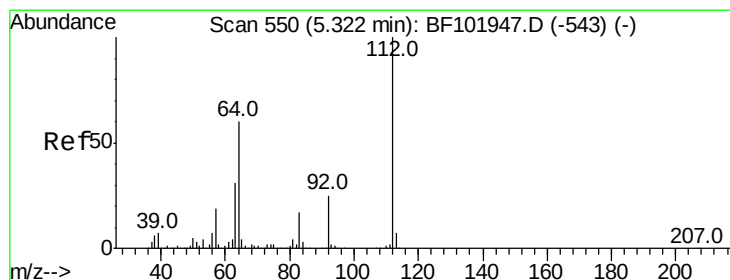
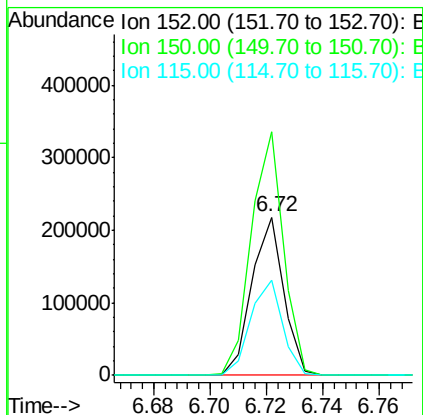
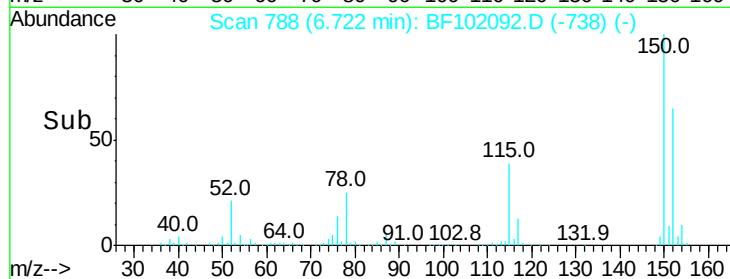
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171722
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 59.7 50.1 75.1



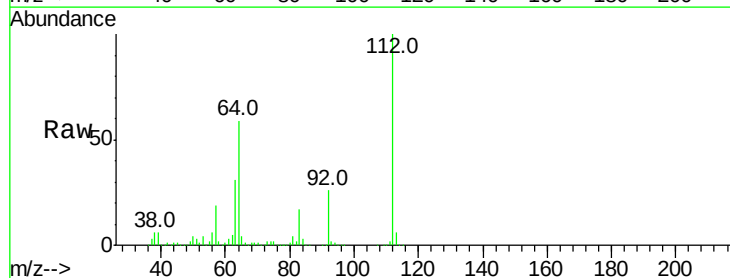
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



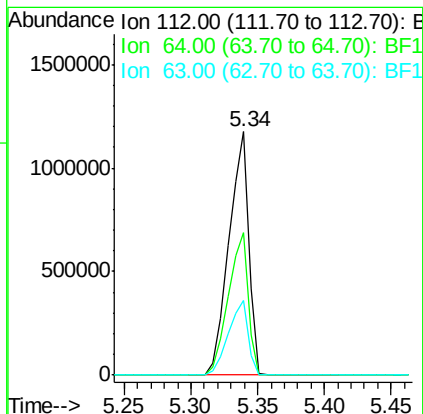
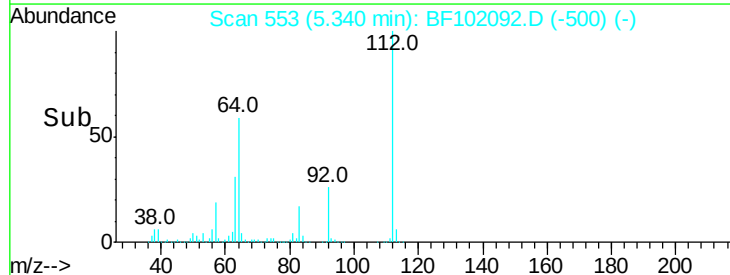
#5

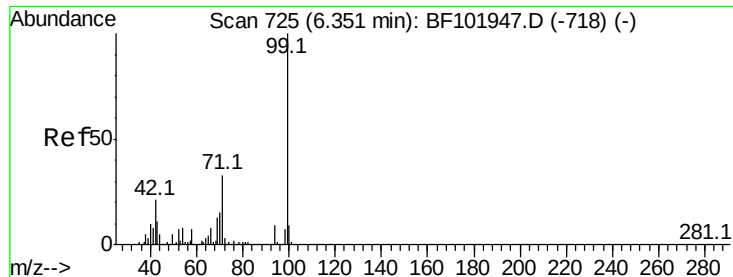
2-Fluorophenol
Concen: 101.990 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Tgt Ion:112 Resp: 1240286
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 30.6 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: 99.241 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Instrument :

BNA_F

ClientSampleId :

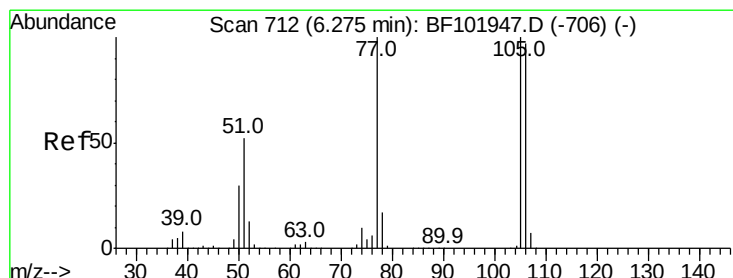
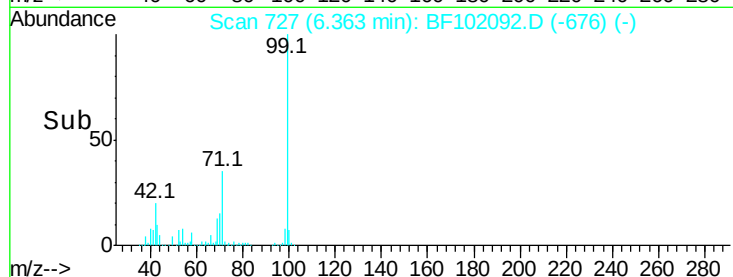
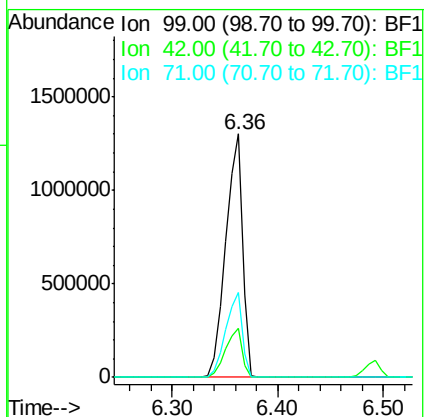
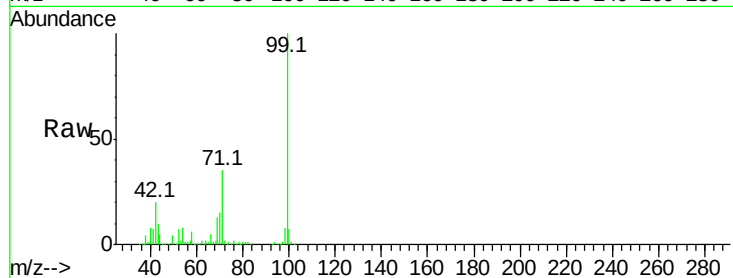
Tot Ion: 99 Resp: 1439903

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 35.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.707 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

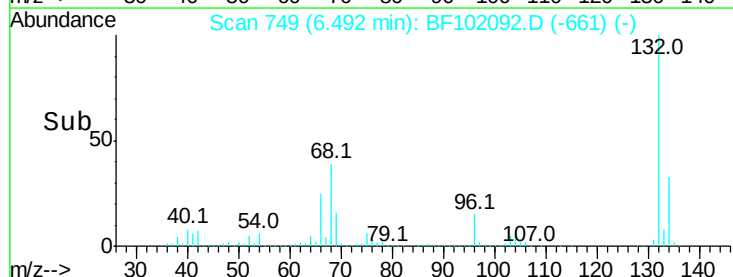
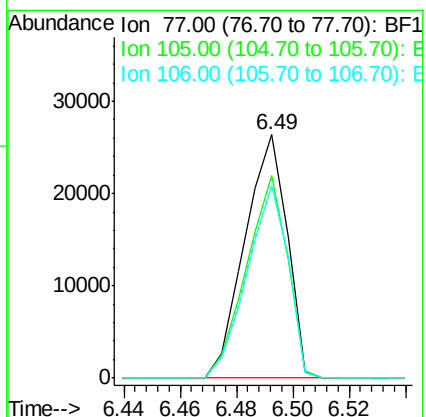
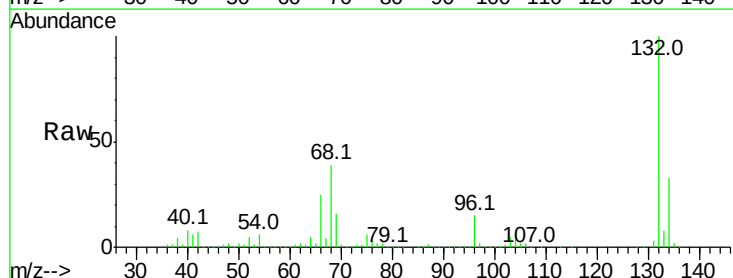
Tgt Ion: 77 Resp: 27267

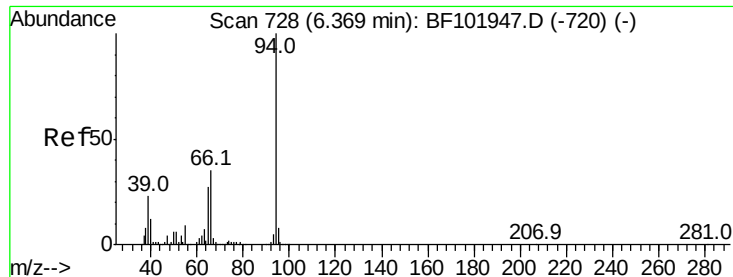
Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

106 79.1 74.5 114.5





#10

Phenol

Concen: 2.960 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Instrument :

BNA_F

ClientSampleId :

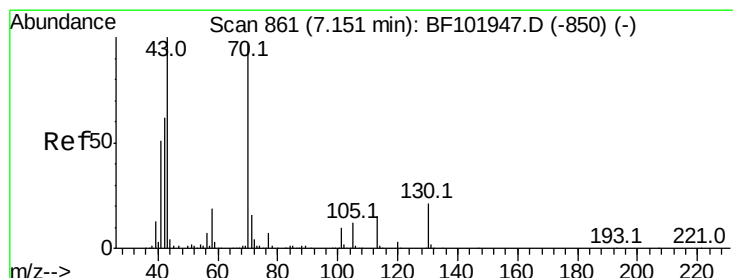
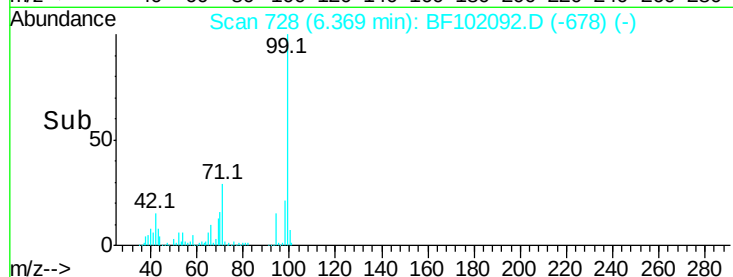
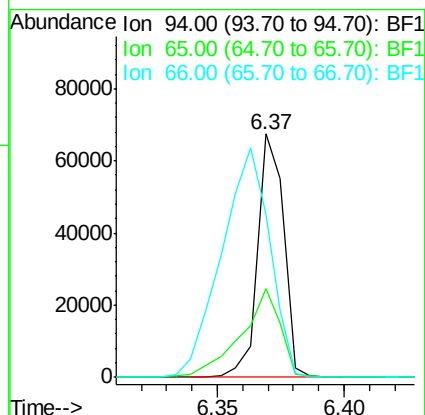
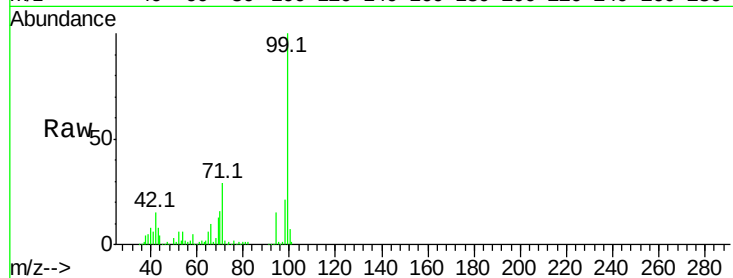
Tot Ion: 94 Resp: 48538

Ion Ratio Lower Upper

94 100

65 36.5 7.9 47.9

66 66.9 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.594 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Tgt Ion: 70 Resp: 119747

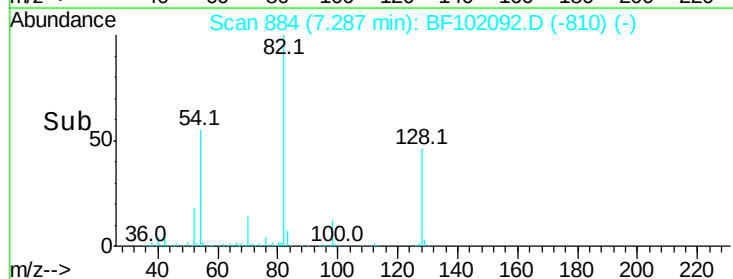
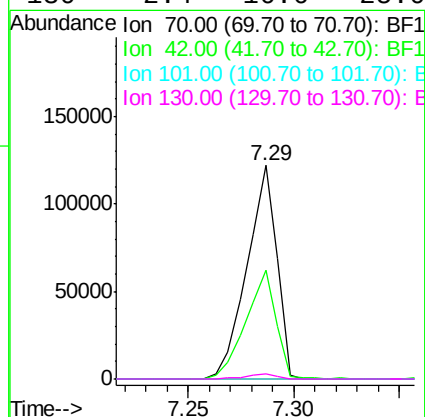
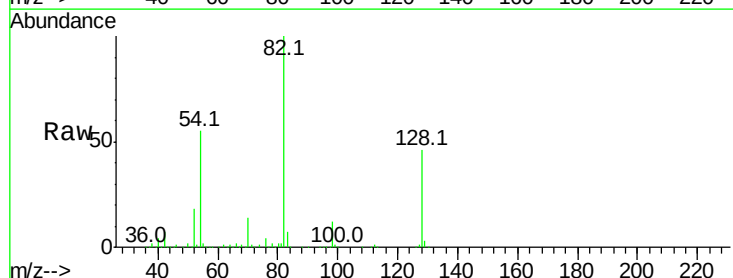
Ion Ratio Lower Upper

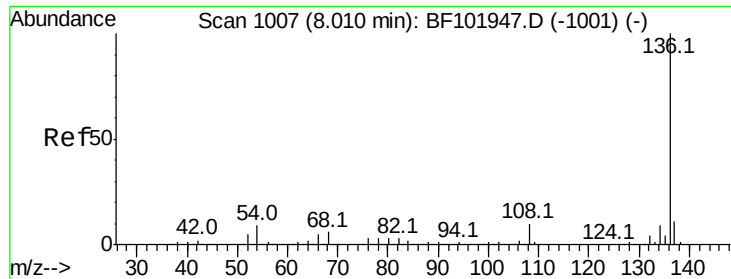
70 100

42 50.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

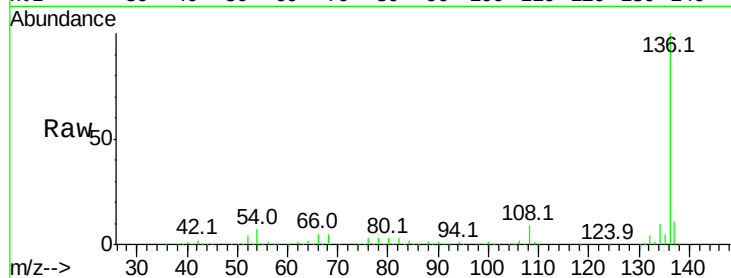




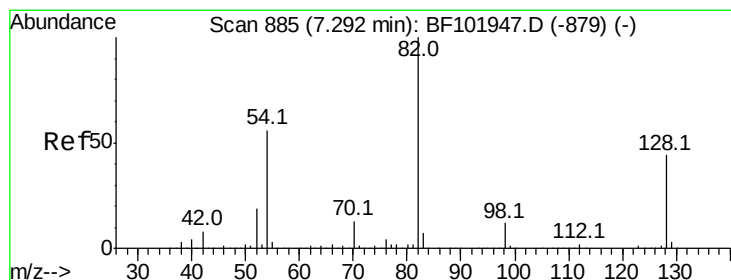
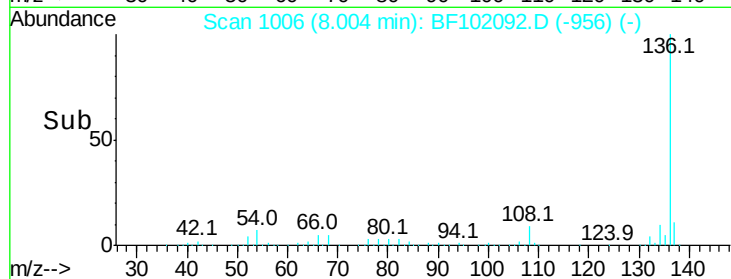
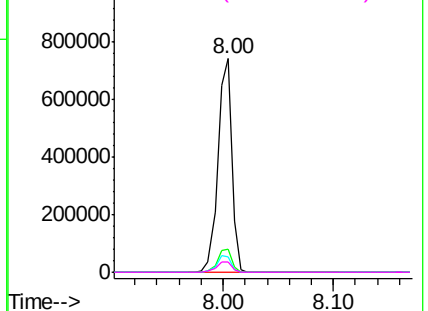
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	650166
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.6	9.8
68	4.8	5.0	7.4#

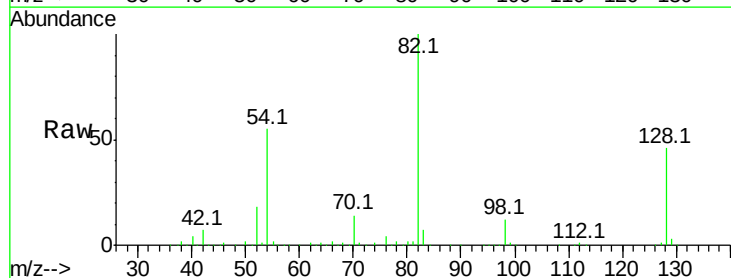


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

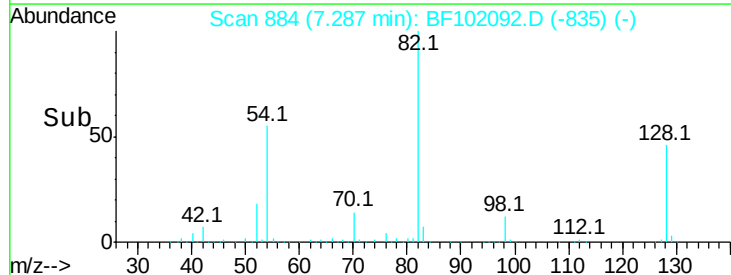
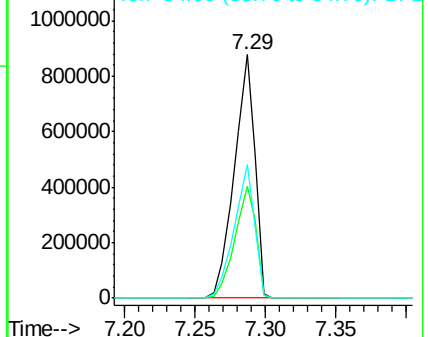


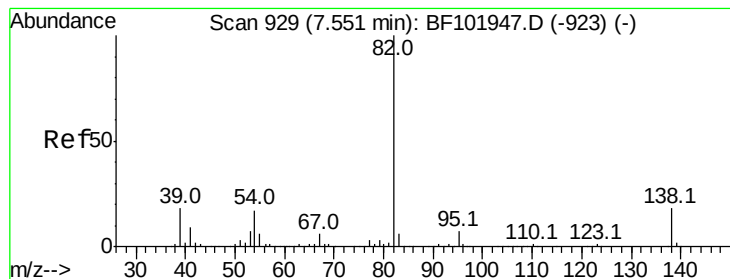
#23
Nitrobenzene-d5
Concen: 80.358 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Tgt Ion:	82	Resp:	889085
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	54.8	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: 40.521 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Instrument :

BNA_F

ClientSampleId :

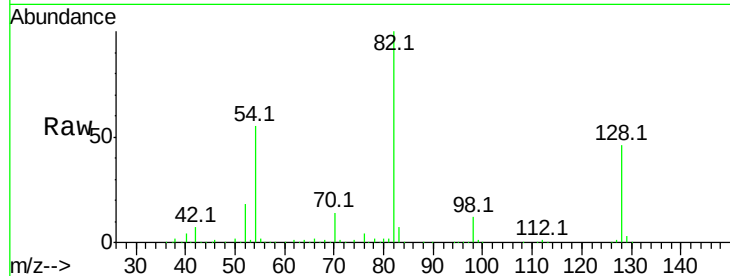
Tot Ion: 82 Resp: 885846

Ion Ratio Lower Upper

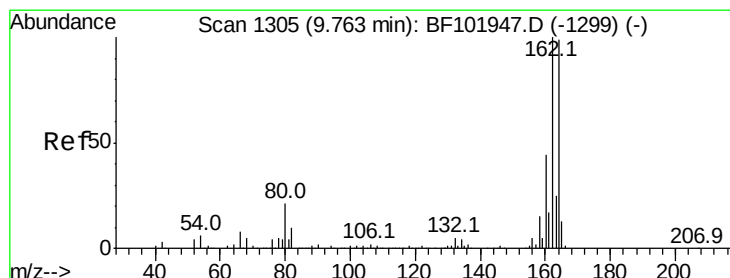
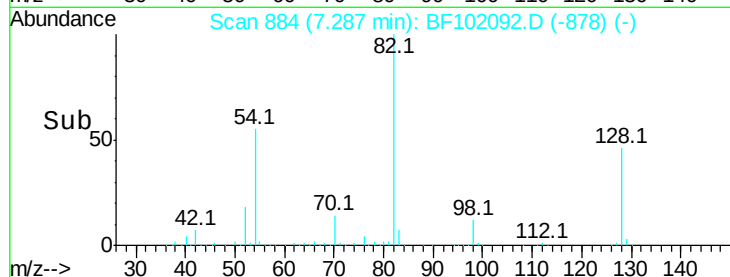
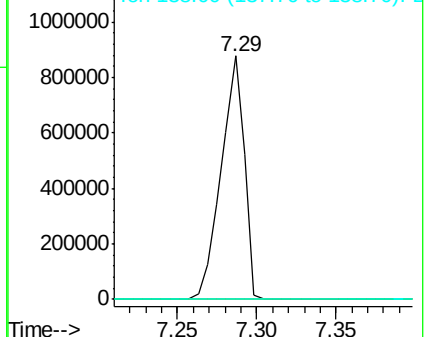
82 100

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: BF102092.D

Acq: 16 Jan 2018 6:31

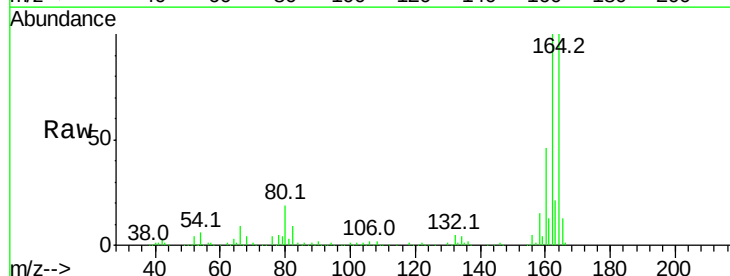
Tgt Ion: 164 Resp: 247281

Ion Ratio Lower Upper

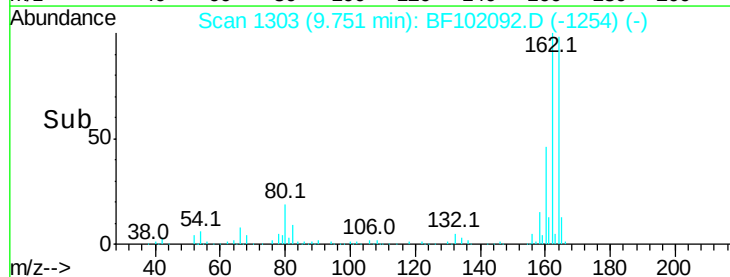
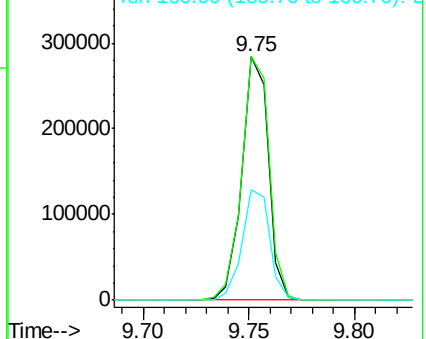
164 100

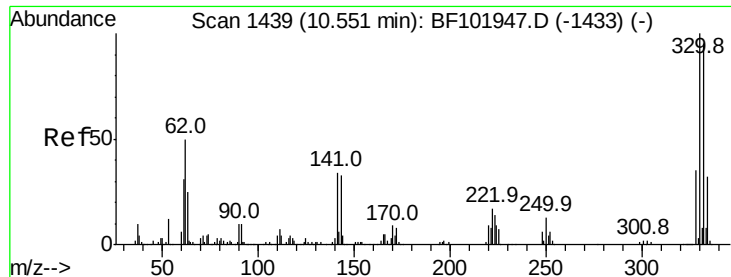
162 100.0 86.1 129.1

160 45.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

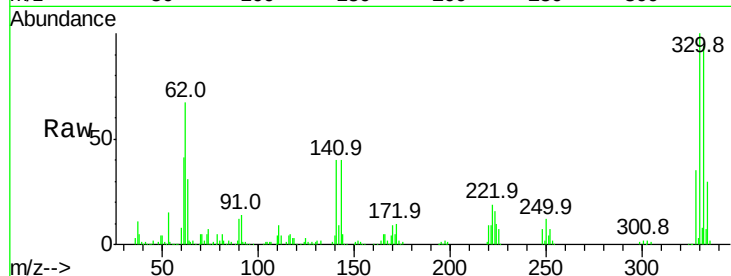




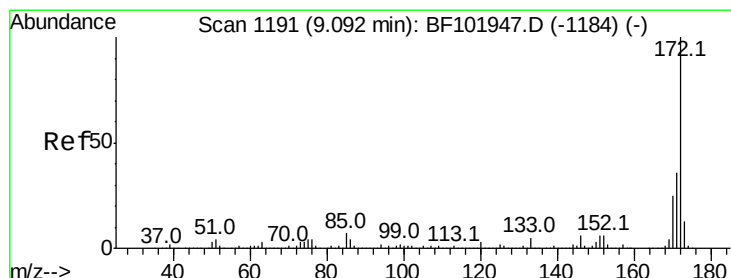
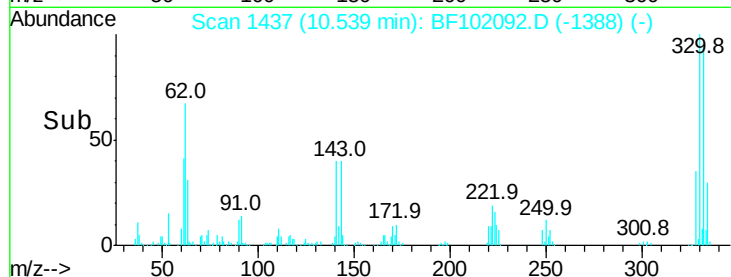
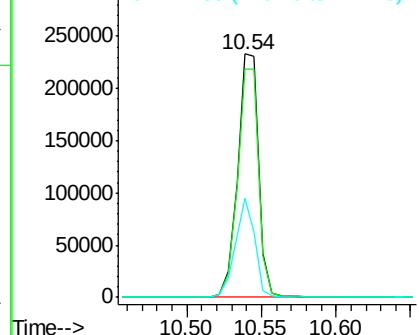
#41
 2,4,6-Tribromophenol
 Concen: 106.922 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102092.D
 Acq: 16 Jan 2018 6:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	38.0	29.9	44.9

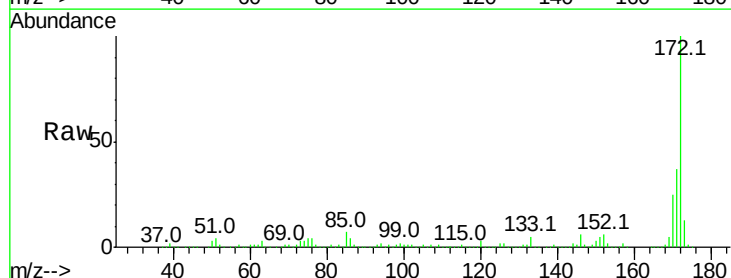


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

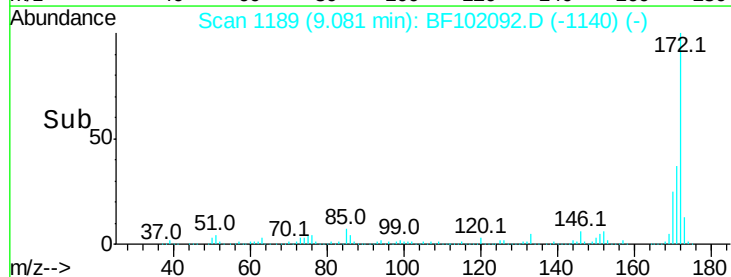
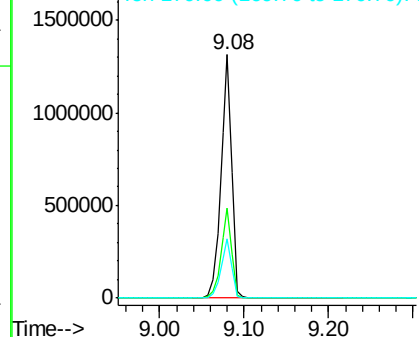


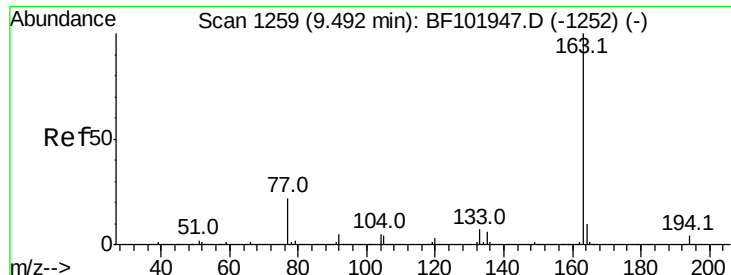
#44
 2-Fluorobiphenyl
 Concen: 76.408 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102092.D
 Acq: 16 Jan 2018 6:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.5	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: 10.635 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Instrument :

BNA_F

ClientSampleId :

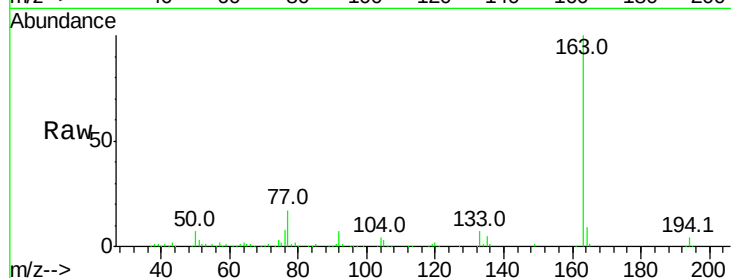
Tot Ion:163 Resp: 210962

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

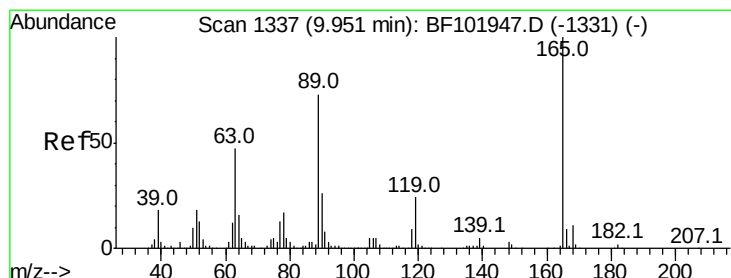
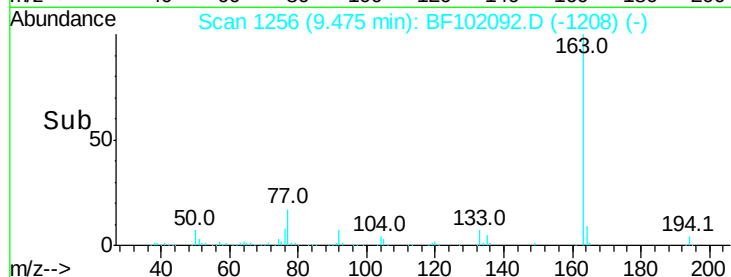
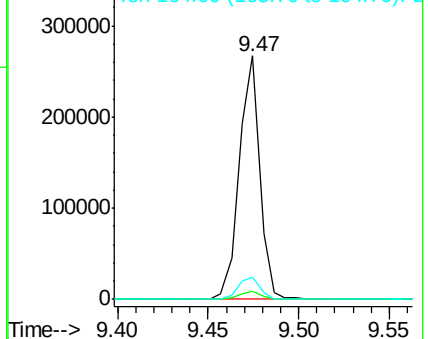
164 9.2 8.2 12.2



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: 6.154 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102092.D

Acq: 16 Jan 2018 6:31

Tgt Ion:165 Resp: 30564

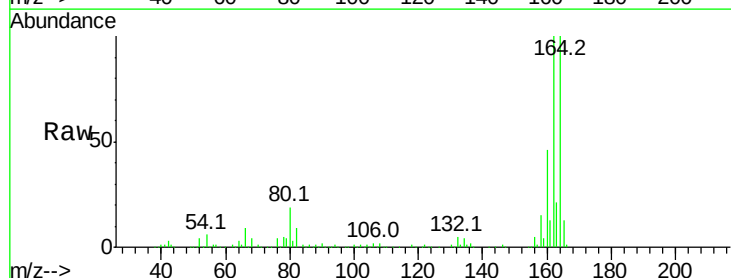
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

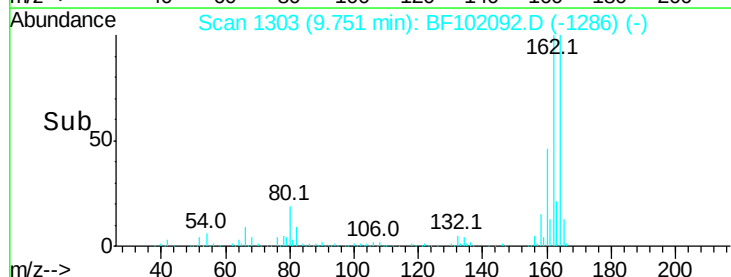
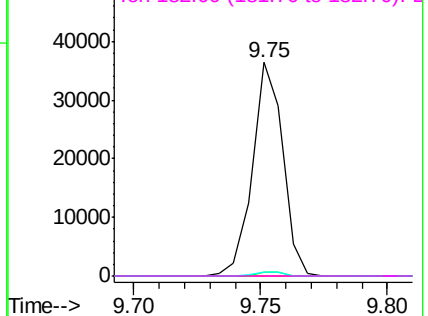


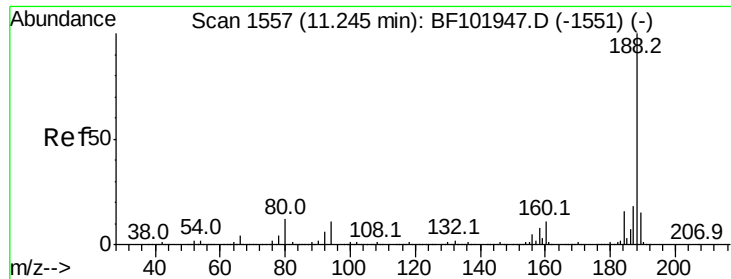
Abundance Ion 165.00 (164.70 to 165.70): E

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

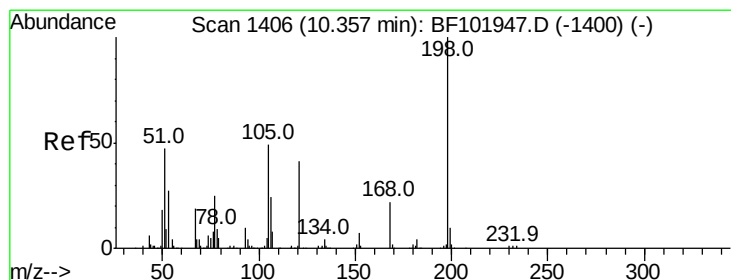
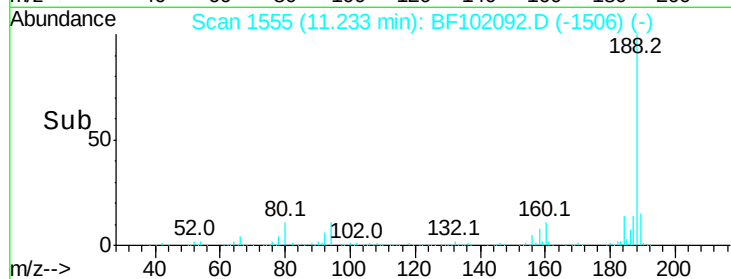
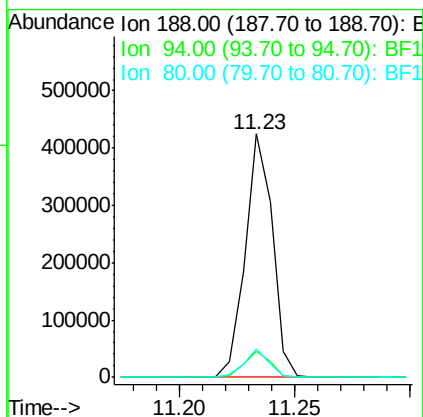
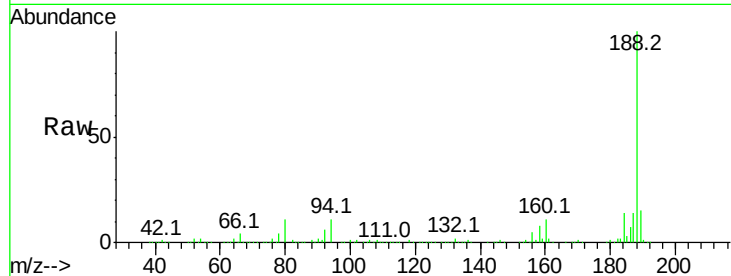




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

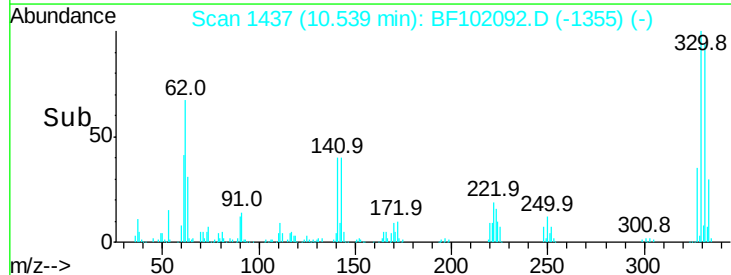
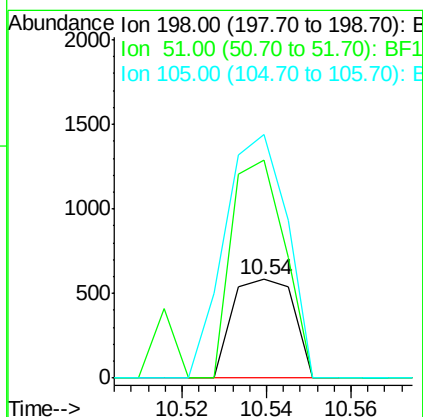
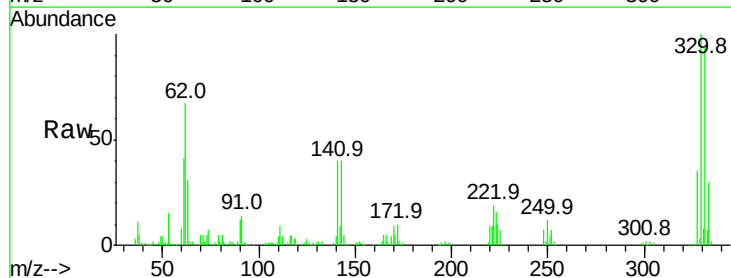
Instrument :
BNA_F
ClientSampled :

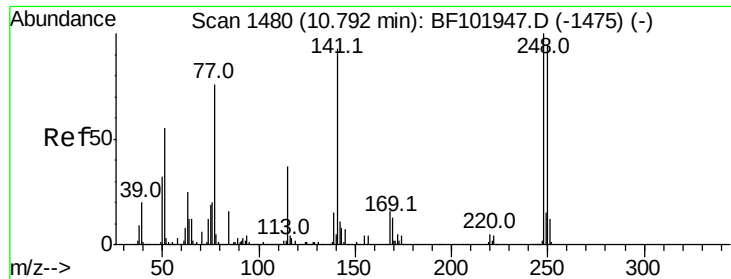
Tot Ion:188 Resp: 351054
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.934 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Tgt Ion:198 Resp: 588
Ion Ratio Lower Upper
198 100
51 220.9 37.7 77.7#
105 246.4 36.3 76.3#

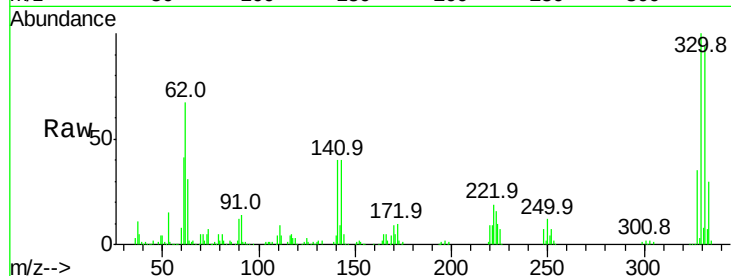




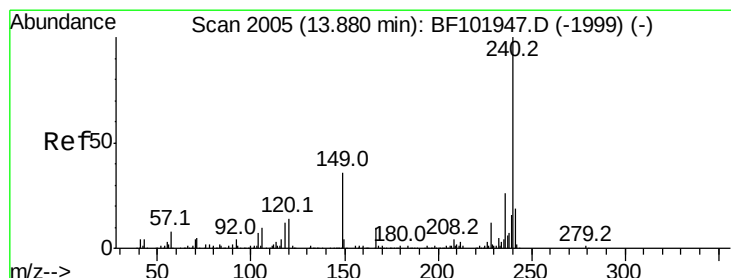
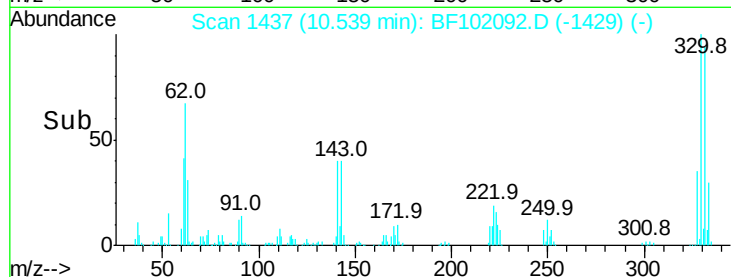
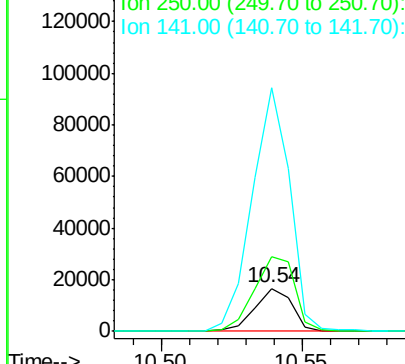
#66
4-Bromophenyl-phenylether
Concen: 4.117 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15262
Ion Ratio Lower Upper
248 100
250 174.8 76.9 115.3#
141 569.1 74.4 111.6#

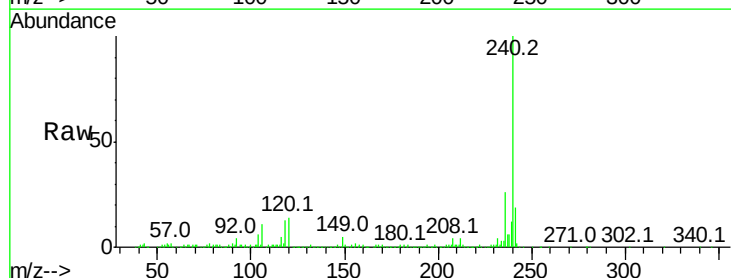


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

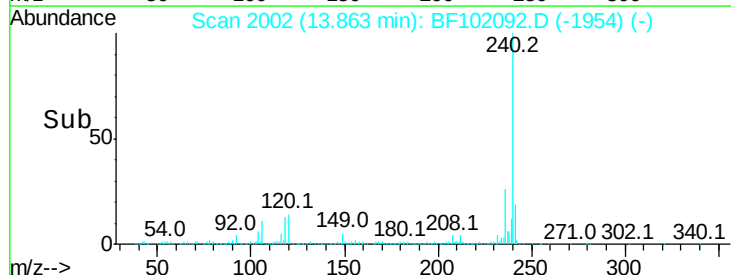
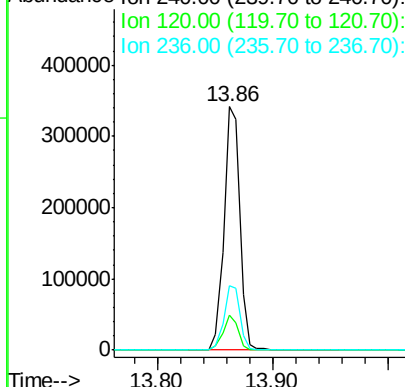


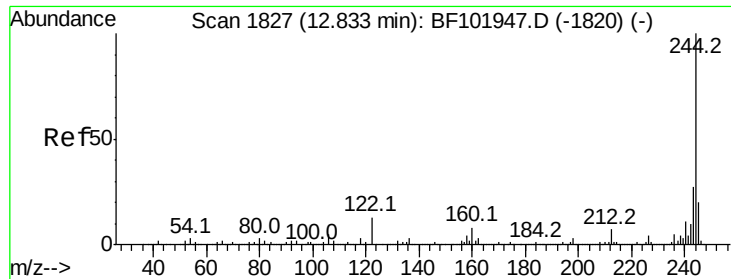
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF102092.D
Acq: 16 Jan 2018 6:31

Tgt Ion:240 Resp: 326015
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 26.5 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



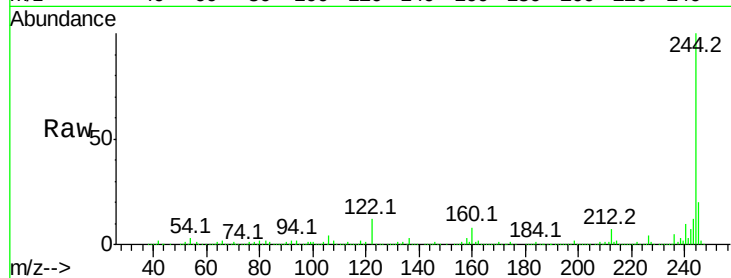


#78
 Terphenyl-d14
 Concen: 53.997 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102092.D
 Acq: 16 Jan 2018 6:31

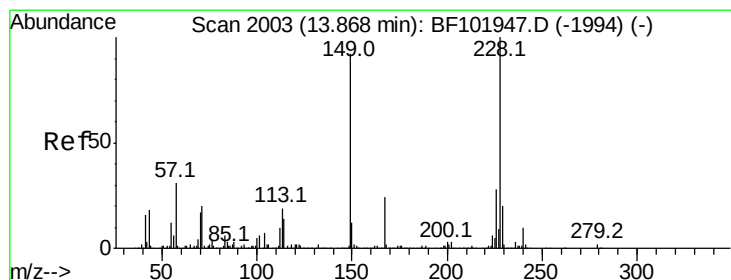
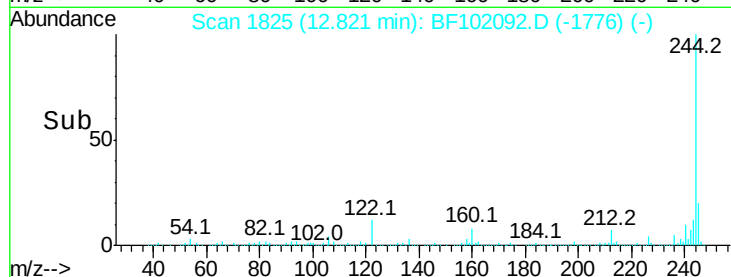
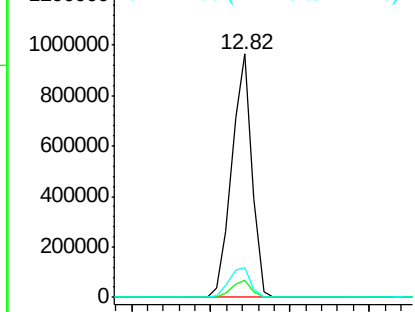
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 847861

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.2	11.0	16.4



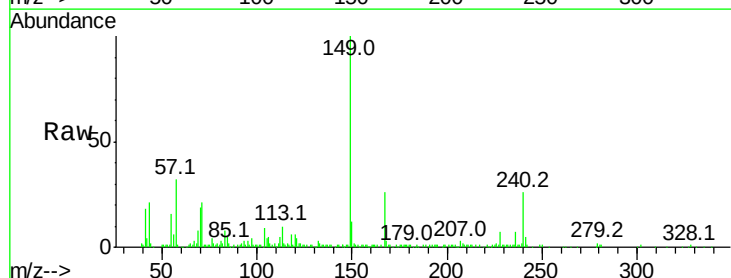
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



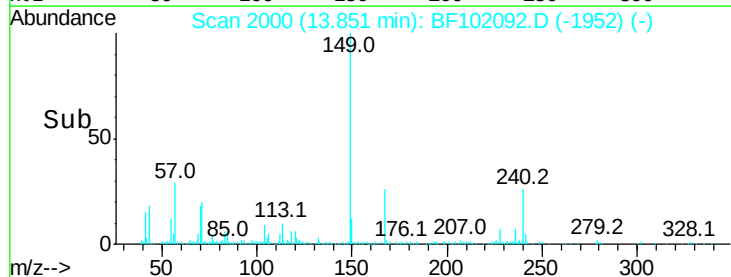
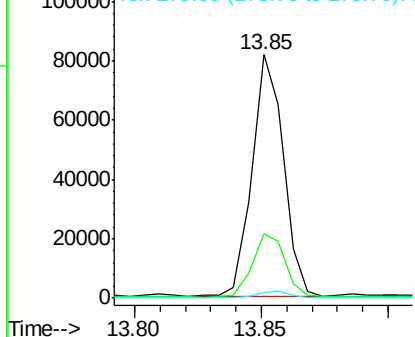
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.643 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BF102092.D
 Acq: 16 Jan 2018 6:31

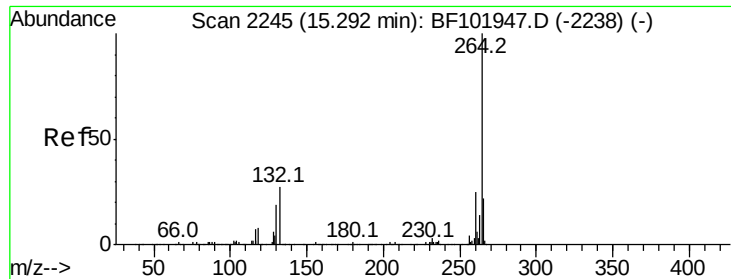
Tgt Ion:149 Resp: 70433

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.3	31.9
279	2.3	3.0	4.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

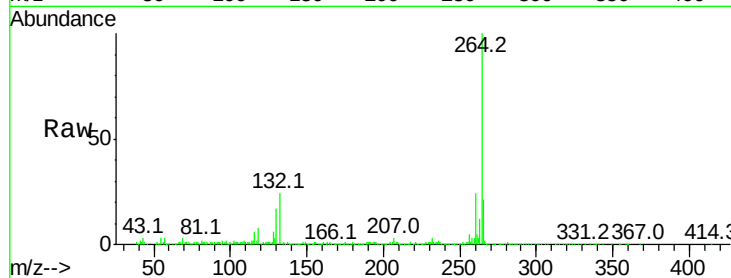




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102092.D
 Acq: 16 Jan 2018 6:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.3	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

