

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102104.D
 Acq On : 16 Jan 2018 12:54
 Operator : SJ/JU
 Sample : J1113-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 23:31:02 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

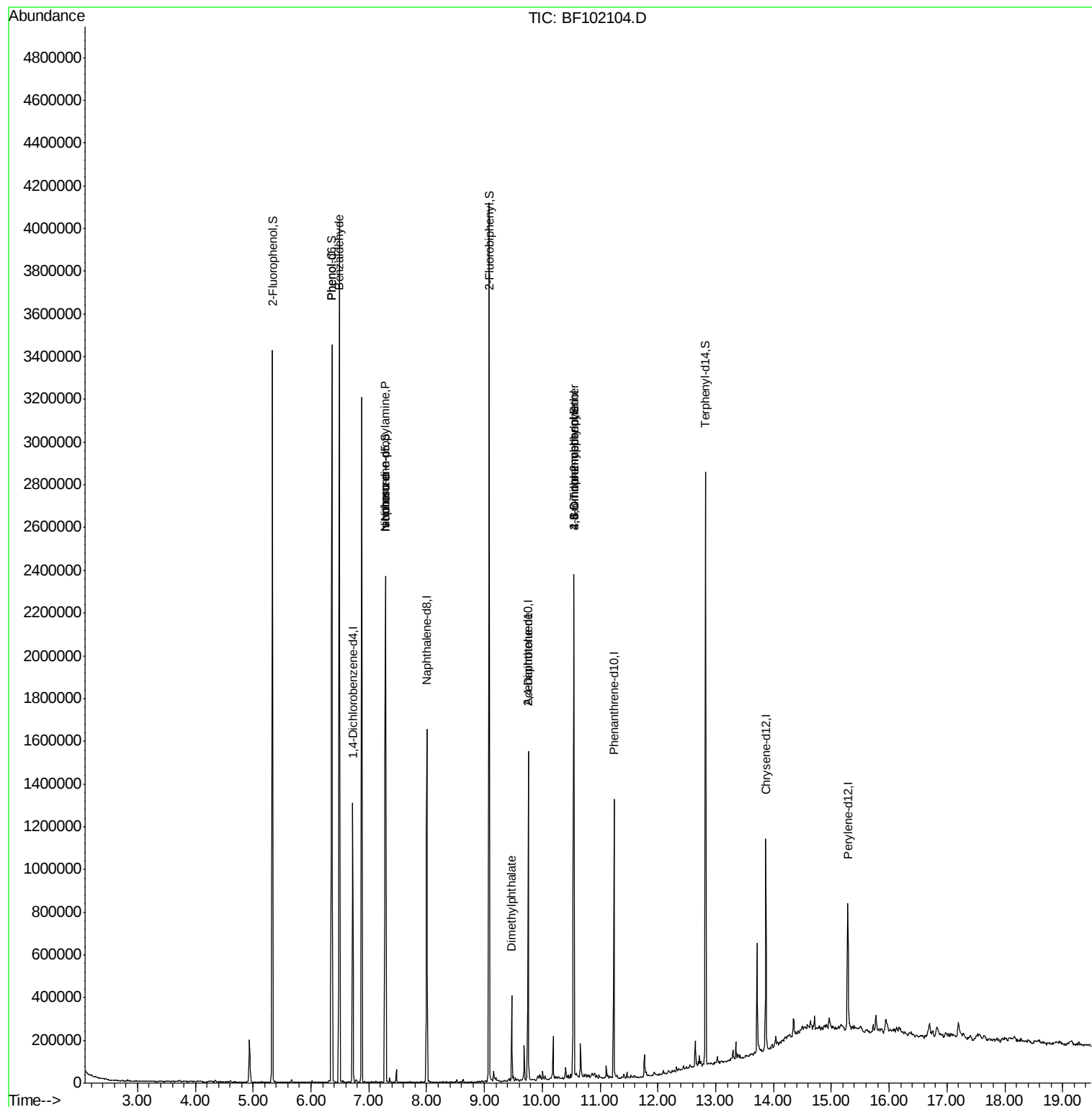
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	170677	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	682116	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	286374	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	444706	20.00	ng	0.00
75) Chrysene-d12	13.87	240	302134	20.00	ng	-0.01
86) Perylene-d12	15.29	264	264430	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1127603	93.29	ng	0.01
7) Phenol-d6	6.36	99	1336790	92.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	855828	73.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	269429	107.81	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1407897	76.81	ng	-0.01
78) Terphenyl-d14	12.82	244	966947	66.45	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	23398	2.337	ng	93
10) Phenol	6.37	94	36102	2.215	ng	# 66
19) n-Nitroso-di-n-propylamine	7.29	70	116316	12.308	ng	# 79
25) Isophorone	7.29	82	855573	37.303	ng	# 64
49) Dimethylphthalate	9.47	163	140421	6.112	ng	99
56) 2,4-Dinitrotoluene	9.76	165	37332	6.491	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	589	5.877	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17782	3.786	ng	# 1

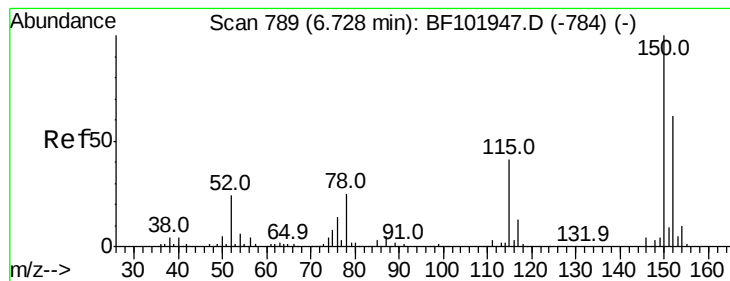
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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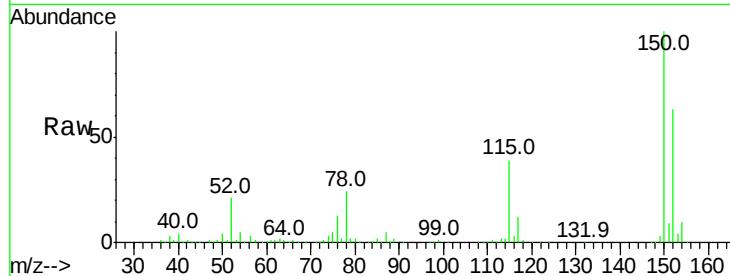


#1

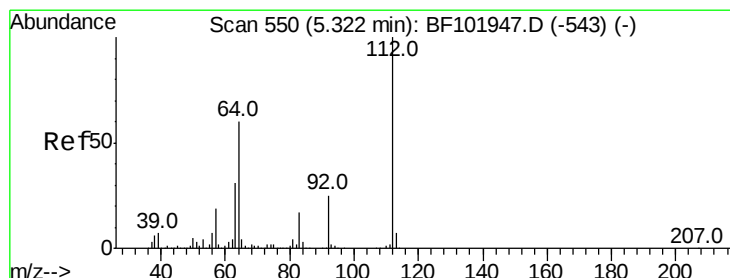
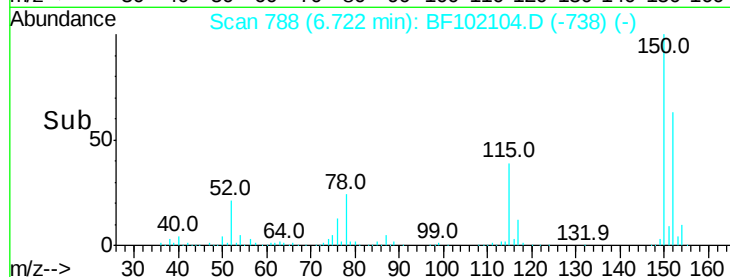
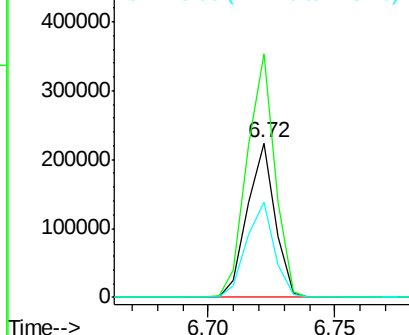
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170677
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 61.8 50.1 75.1



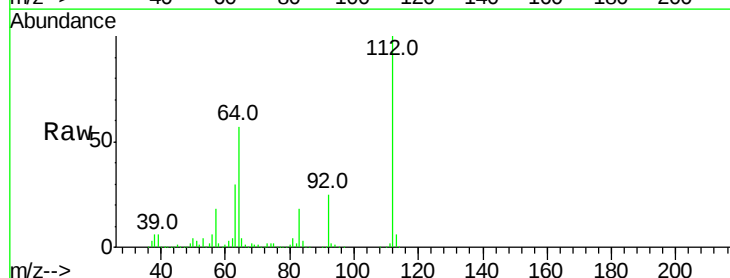
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



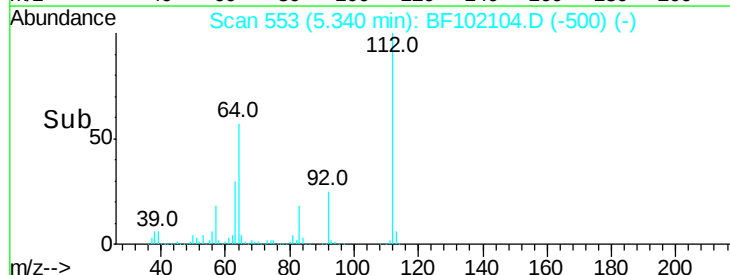
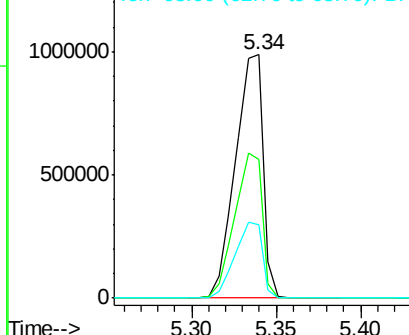
#5

2-Fluorophenol
Concen: 93.291 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Tgt Ion:112 Resp: 1127603
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 30.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.698 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

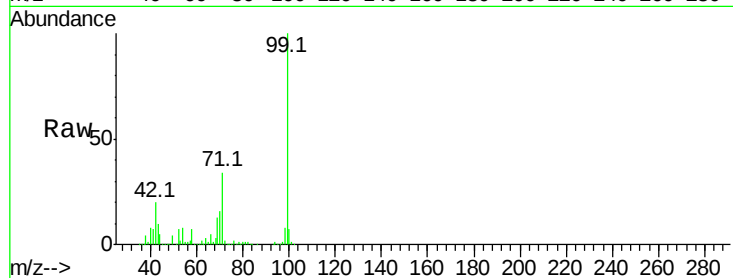
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1336790

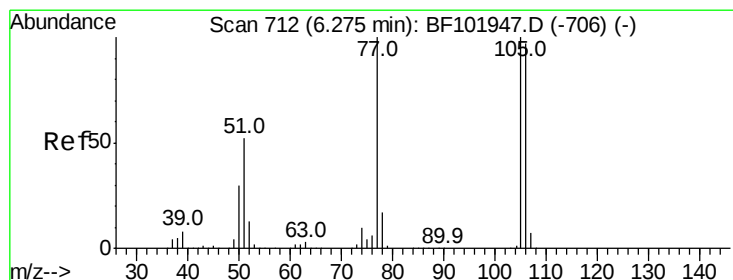
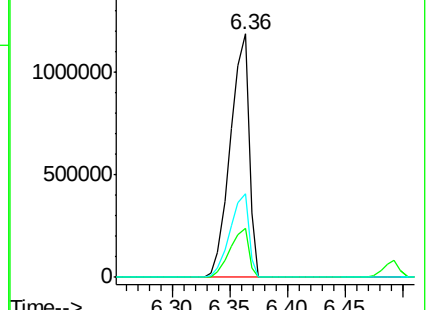
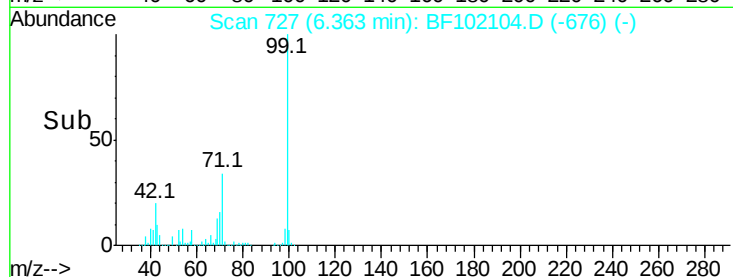
Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	34.4	25.4	38.0



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: 2.337 ng

RT: 6.49 min Scan# 749

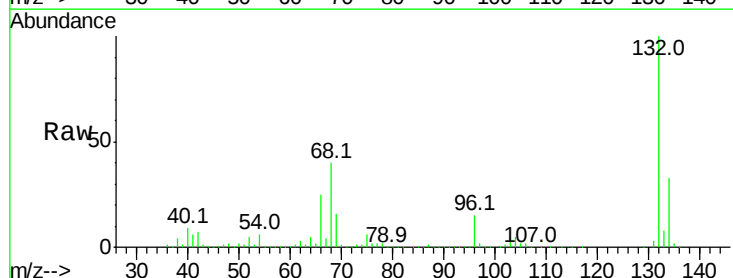
Delta R.T. 0.22 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Tgt Ion: 77 Resp: 23398

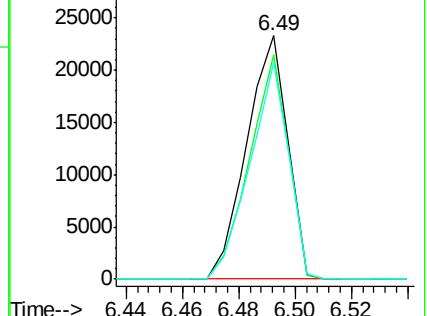
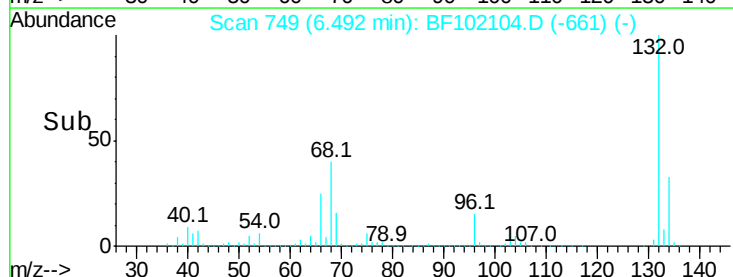
Ion	Ratio	Lower	Upper
77	100		
105	92.1	81.1	121.1
106	88.9	74.5	114.5

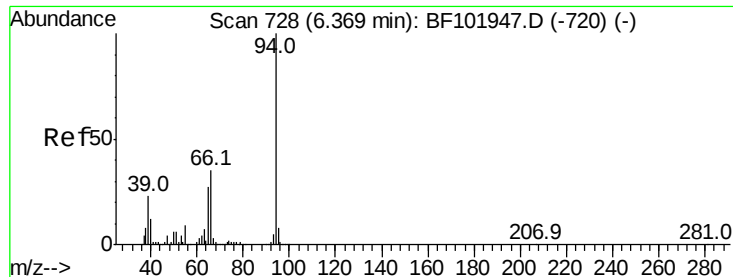


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.215 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Instrument :

BNA_F

ClientSampleId :

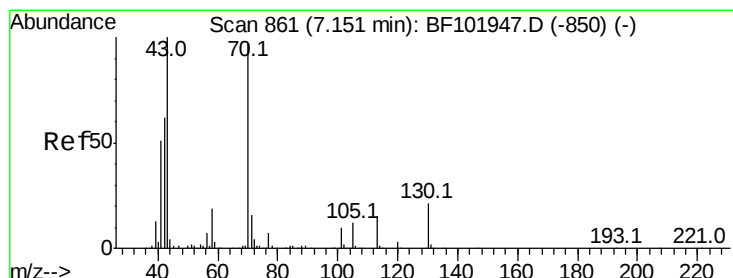
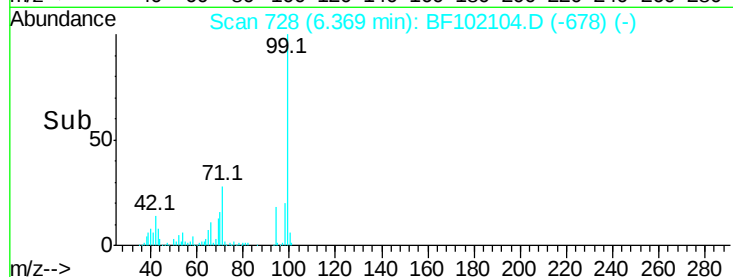
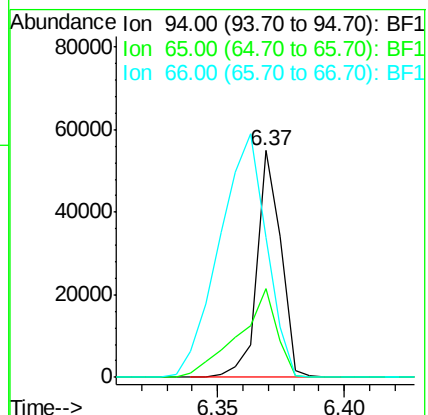
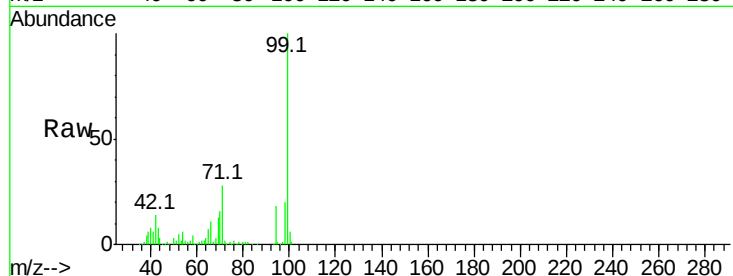
Tot Ion: 94 Resp: 36102

Ion Ratio Lower Upper

94 100

65 39.1 7.9 47.9

66 61.9 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.308 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Tgt Ion: 70 Resp: 116316

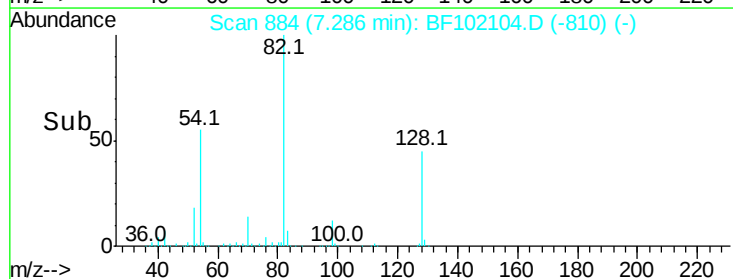
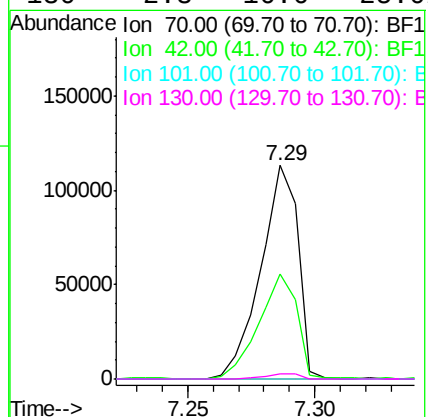
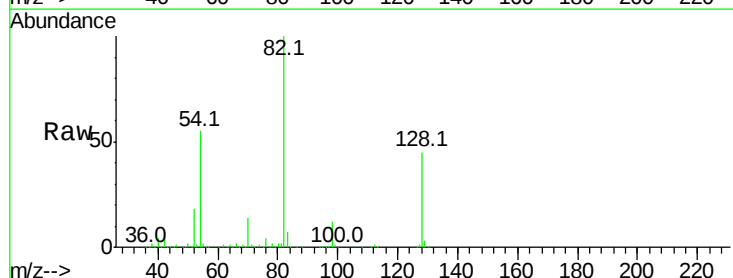
Ion Ratio Lower Upper

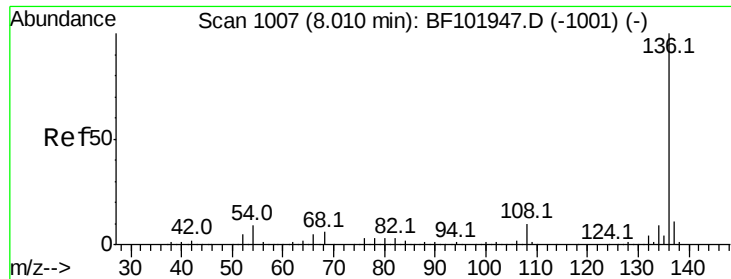
70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

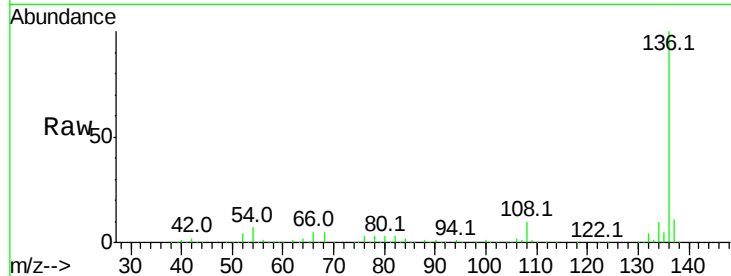




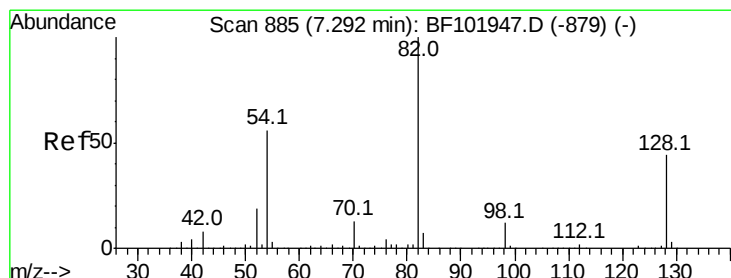
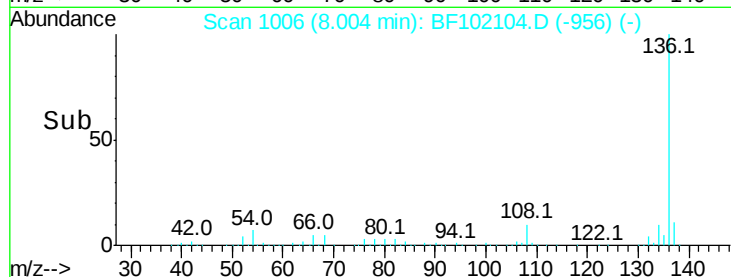
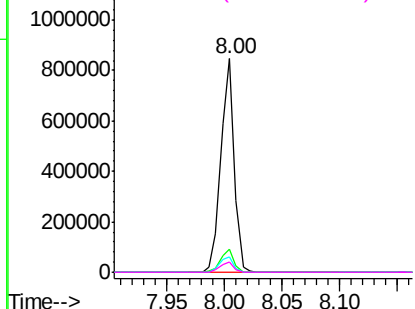
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	682116
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.1	5.0	7.4

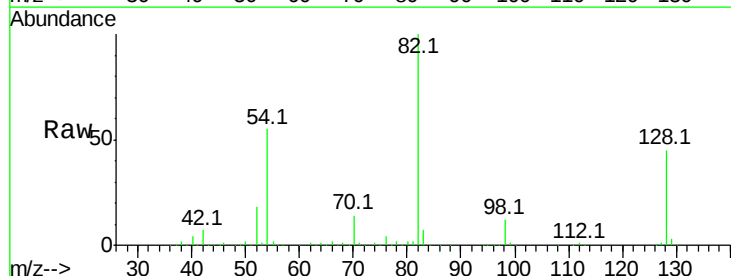


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

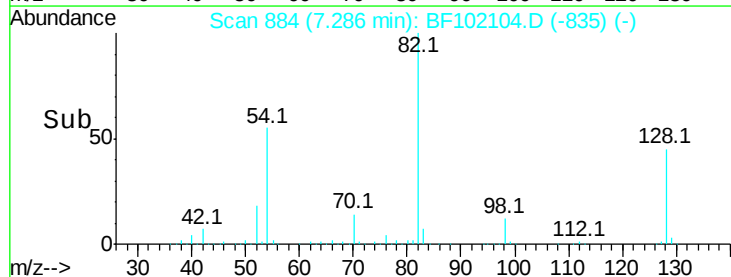
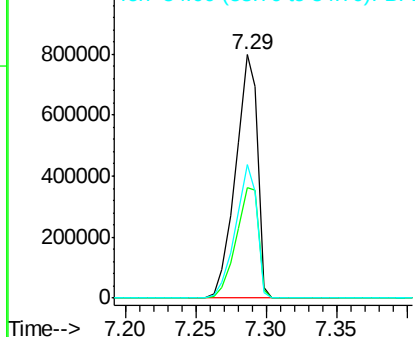


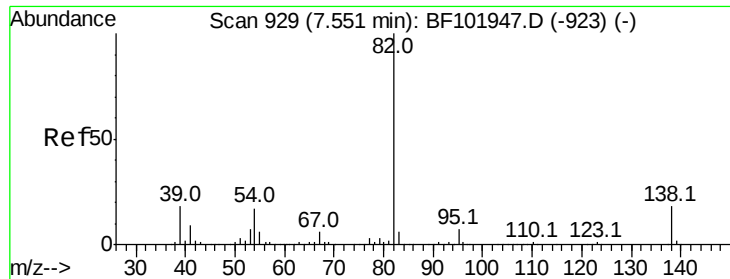
#23
Nitrobenzene-d5
Concen: 73.729 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Tgt Ion:	82	Resp:	855828
Ion	Ratio	Lower	Upper
82	100		
128	45.2	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: 37.303 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Instrument :

BNA_F

ClientSampleId :

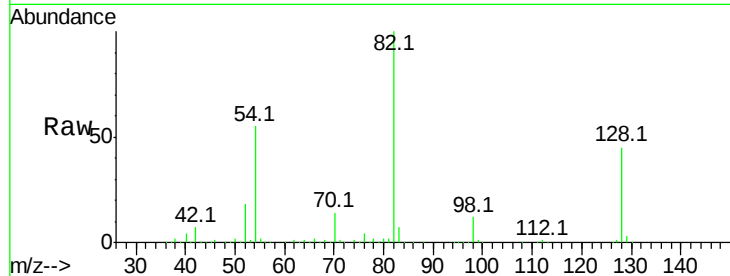
Tot Ion: 82 Resp: 855573

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

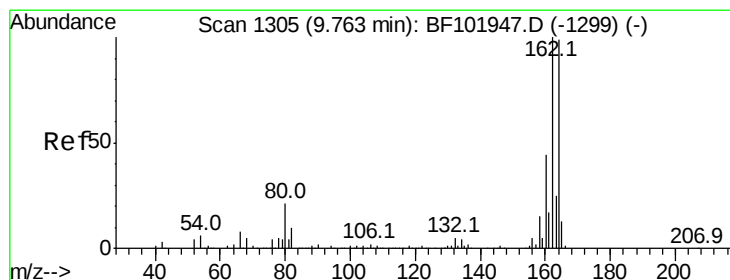
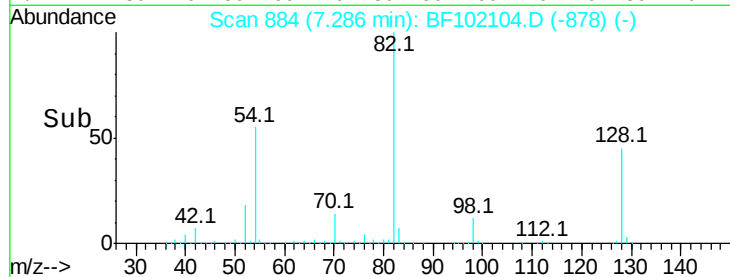
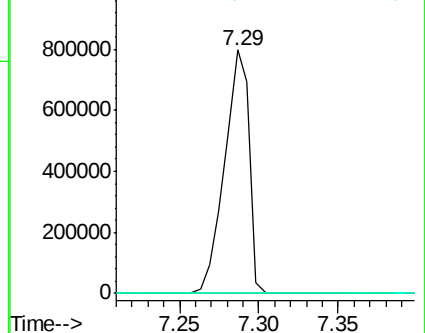
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

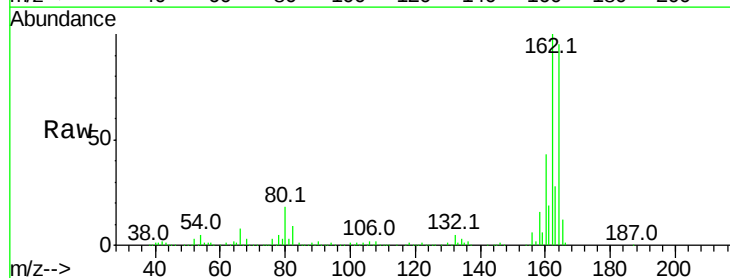
Tgt Ion:164 Resp: 286374

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

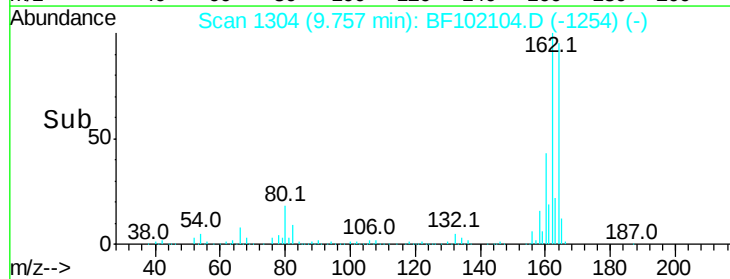
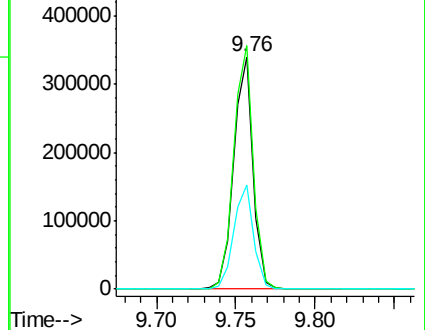
160 44.7 38.3 57.5

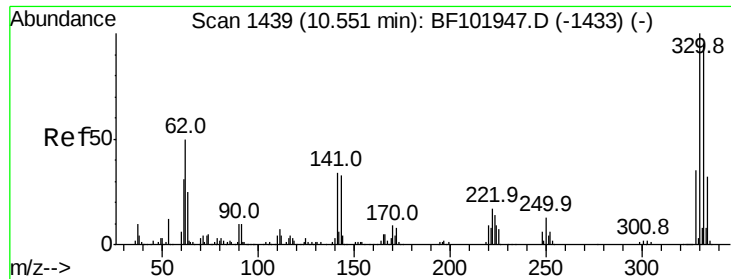


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

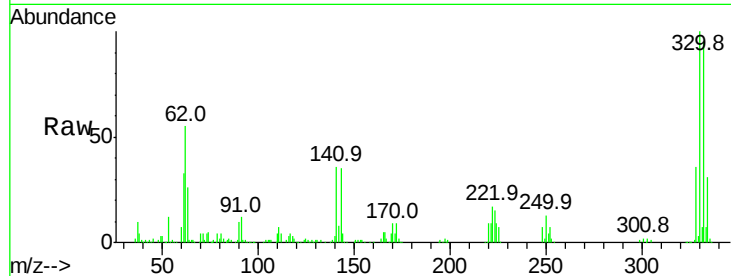




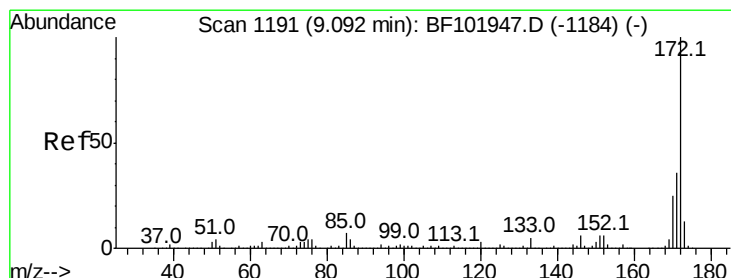
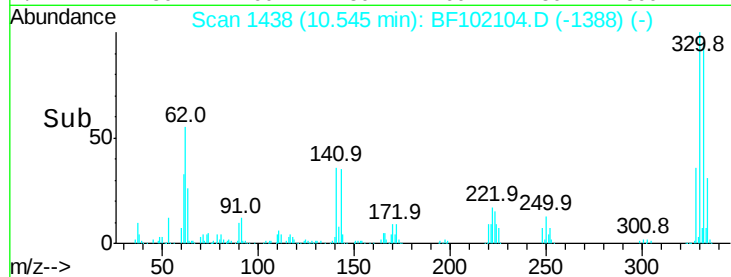
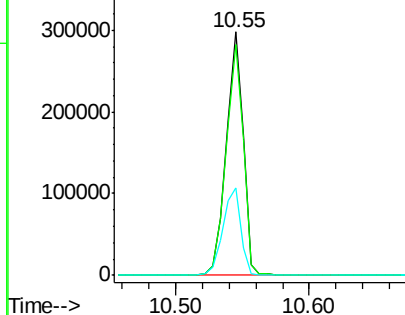
#41
 2,4,6-Tribromophenol
 Concen: 107.808 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102104.D
 Acq: 16 Jan 2018 12:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	38.2	29.9	44.9

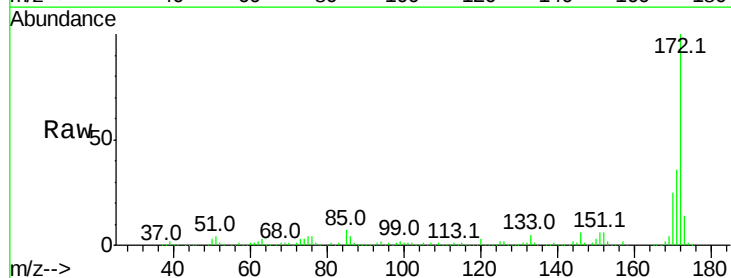


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

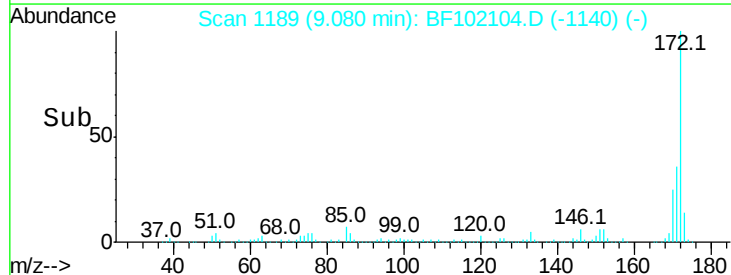
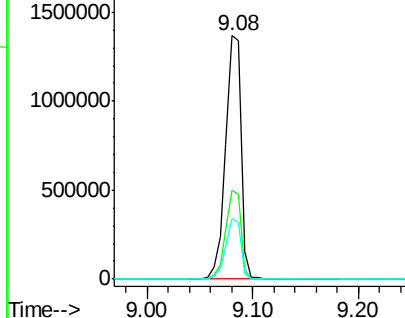


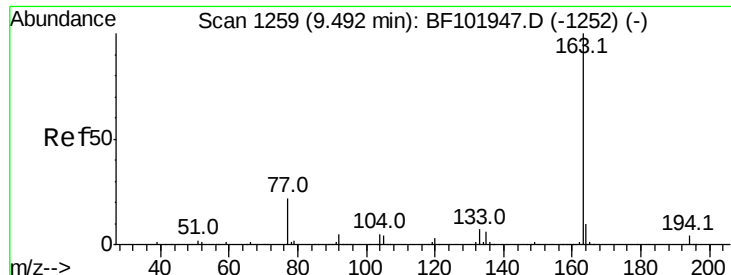
#44
 2-Fluorobiphenyl
 Concen: 76.806 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102104.D
 Acq: 16 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	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: 6.112 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Instrument :

BNA_F

ClientSampled :

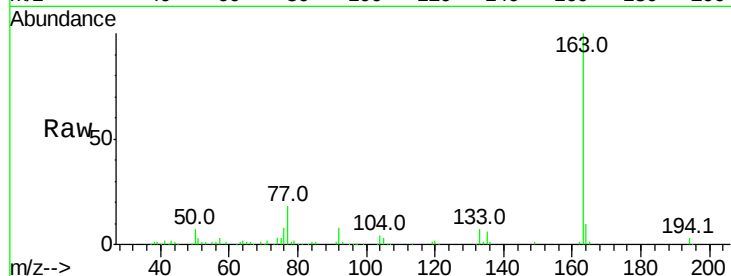
Tot Ion:163 Resp: 140421

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

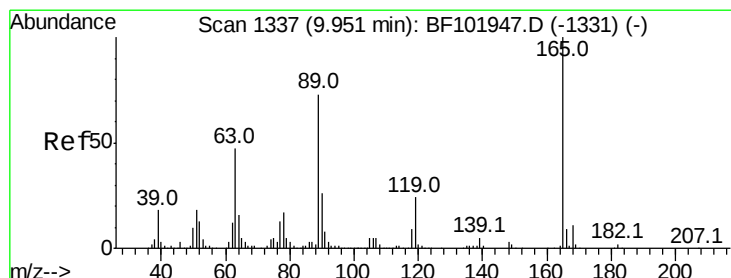
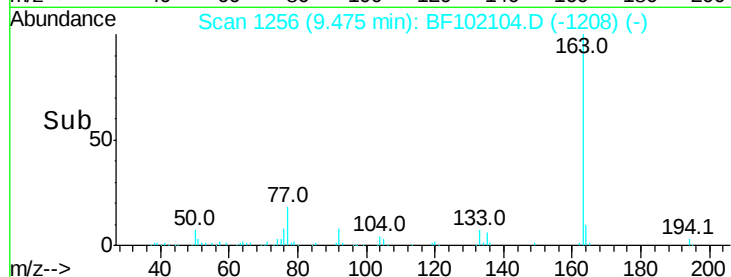
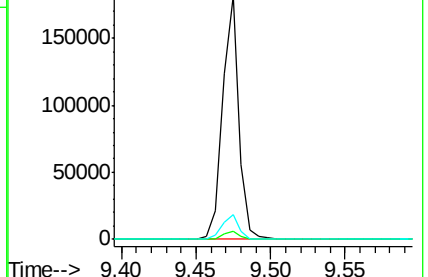
164 10.4 8.2 12.2



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: 6.491 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Tgt Ion:165 Resp: 37332

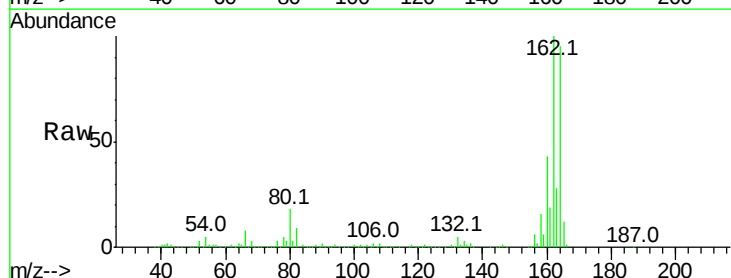
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

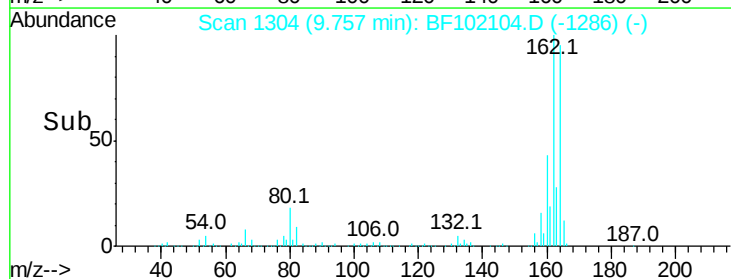
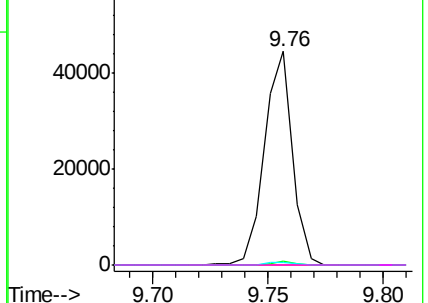


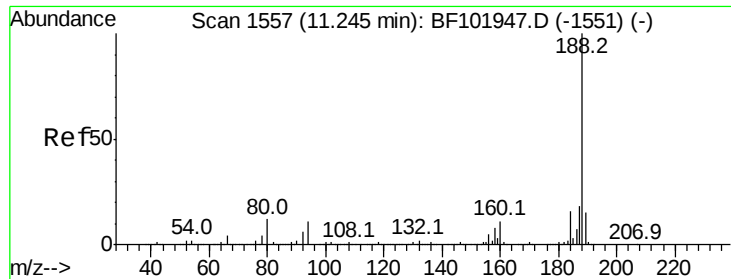
Abundance Ion 165.00 (164.70 to 165.70): E

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

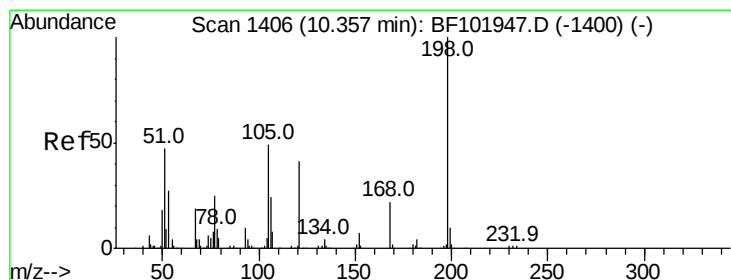
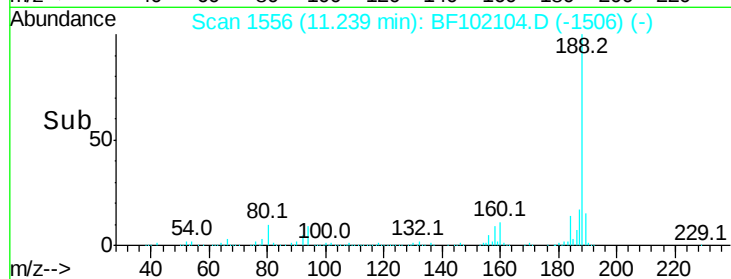
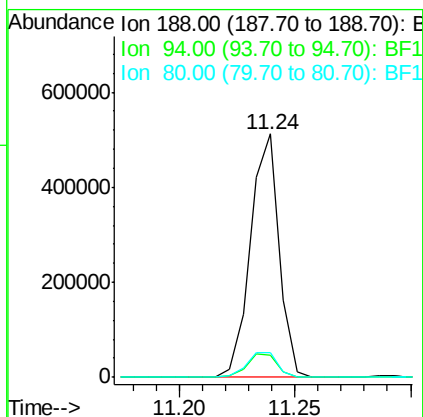
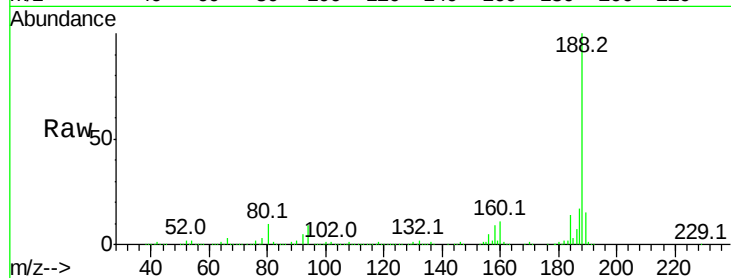




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

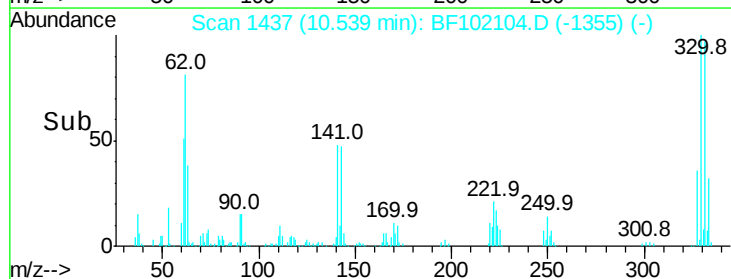
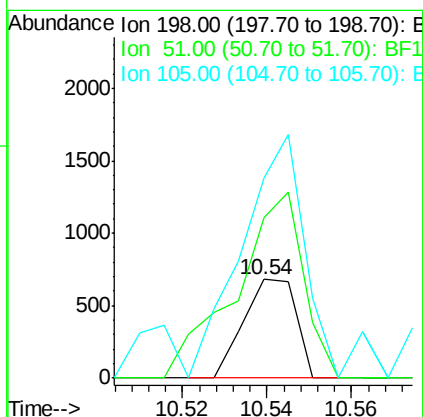
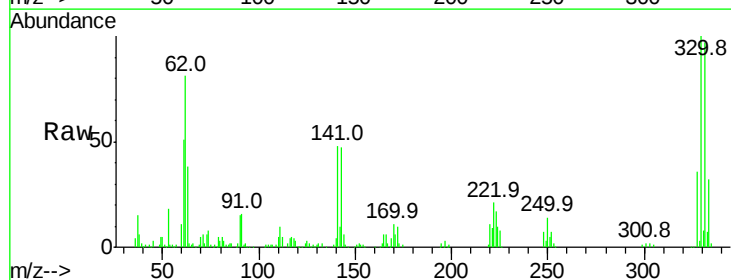
Instrument :
BNA_F
ClientSampleId :

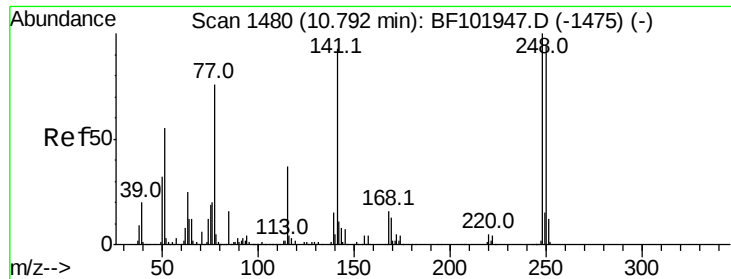
Tot Ion:188 Resp: 444706
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.877 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Tgt Ion:198 Resp: 589
Ion Ratio Lower Upper
198 100
51 161.7 37.7 77.7#
105 202.3 36.3 76.3#

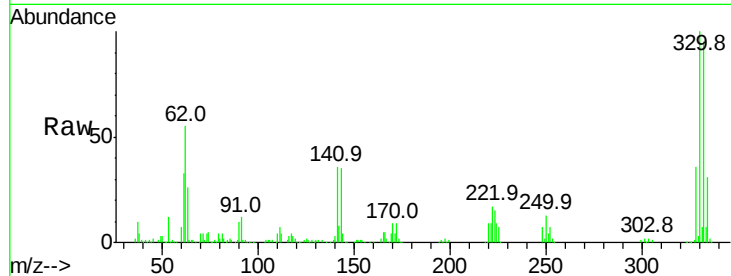




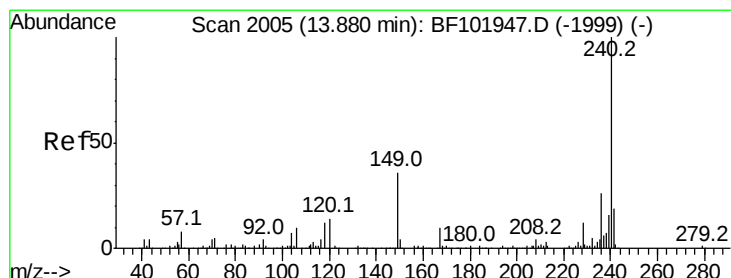
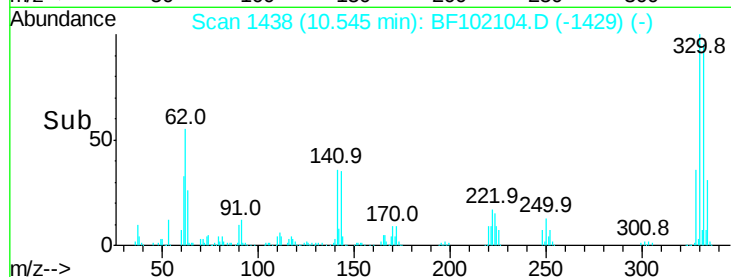
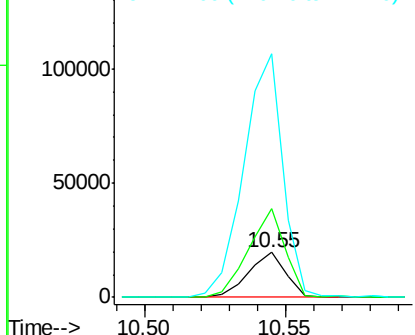
#66
4-Bromophenyl-phenylether
Concen: 3.786 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17782
Ion Ratio Lower Upper
248 100
250 196.2 76.9 115.3#
141 541.4 74.4 111.6#

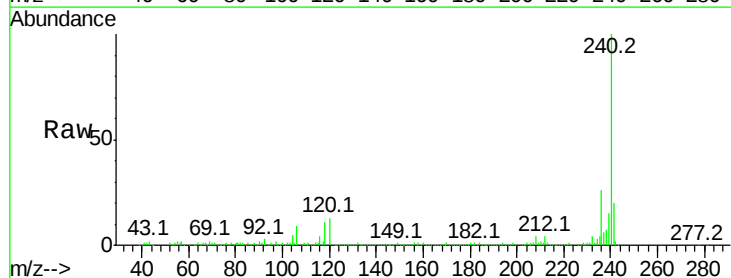


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

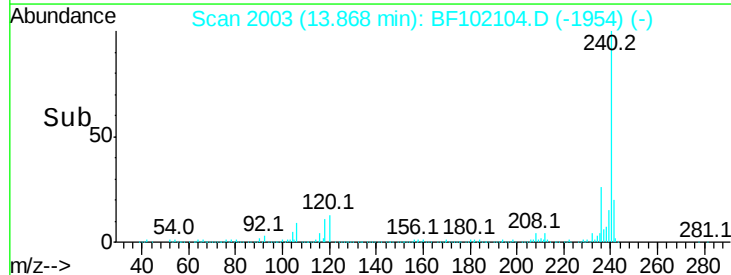
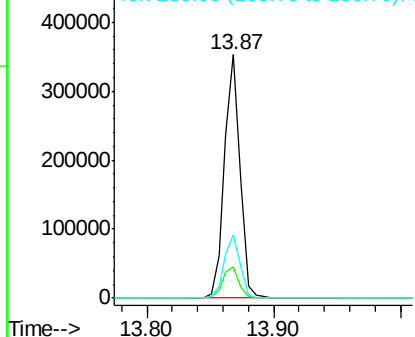


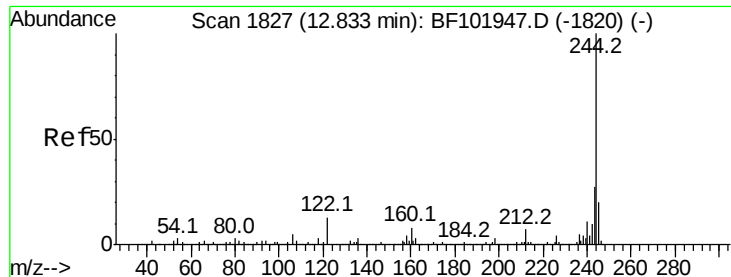
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102104.D
Acq: 16 Jan 2018 12:54

Tgt Ion:240 Resp: 302134
Ion Ratio Lower Upper
240 100
120 12.6 9.5 14.3
236 26.2 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: 66.449 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

Instrument :

BNA_F

ClientSampleId :

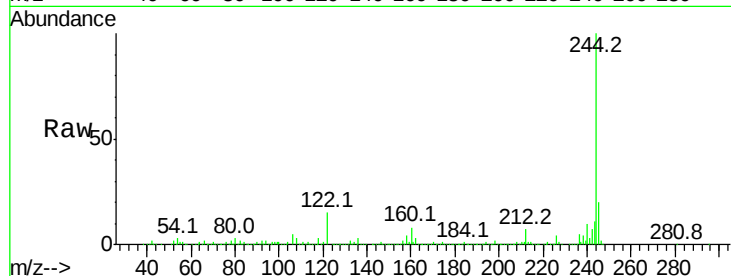
Tot Ion:244 Resp: 966947

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.5	11.0	16.4

244 100

212 7.1 5.4 8.0

122 14.5 11.0 16.4



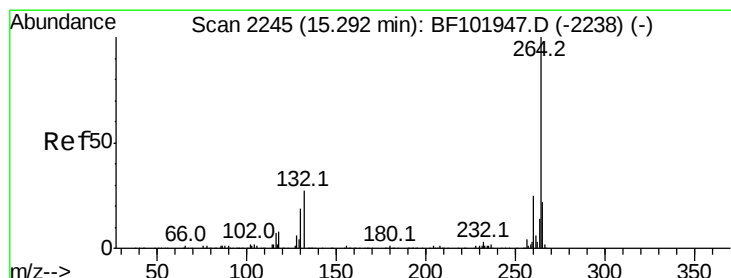
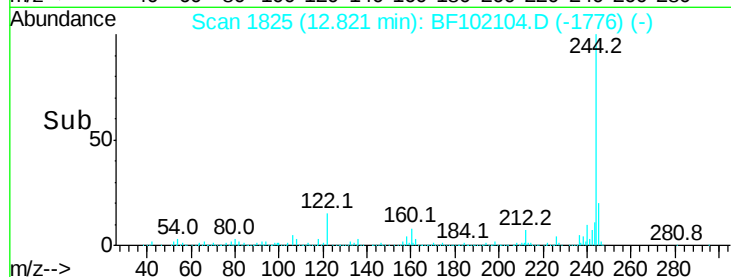
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.82

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF102104.D

Acq: 16 Jan 2018 12:54

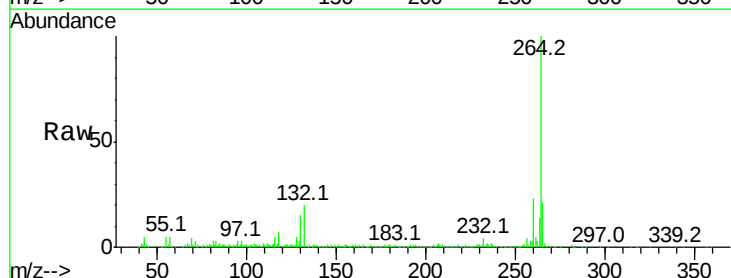
Tgt Ion:264 Resp: 264430

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.0	17.5	26.3

264 100

260 23.5 19.2 28.8

265 21.0 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

15.29

Time-->

