

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100592.D
 Acq On : 15 Nov 2017 17:05
 Operator : SJ/JU
 Sample : I6448-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:34:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	134150	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	516306	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	218987	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	328039	20.00	ng	0.00
75) Chrysene-d12	14.04	240	276594	20.00	ng	-0.01
86) Perylene-d12	15.52	264	264692	20.00	ng	0.00

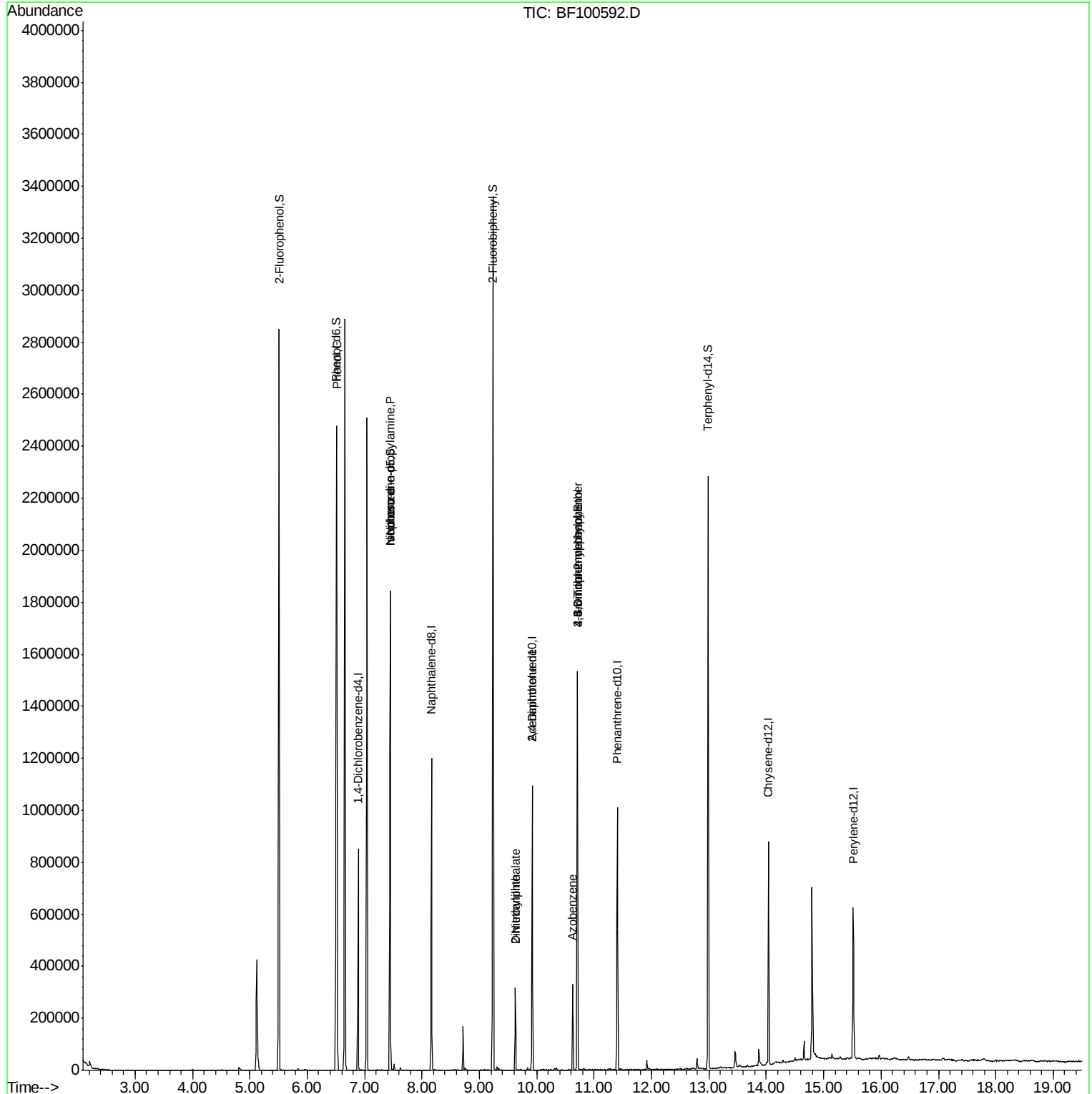
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	887310	106.03	ng	0.01
7) Phenol-d6	6.51	99	1079749	104.63	ng	0.00
23) Nitrobenzene-d5	7.45	82	677787	86.79	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	210731	94.44	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1148109	79.83	ng	0.00
78) Terphenyl-d14	12.99	244	748890	62.21	ng	0.00

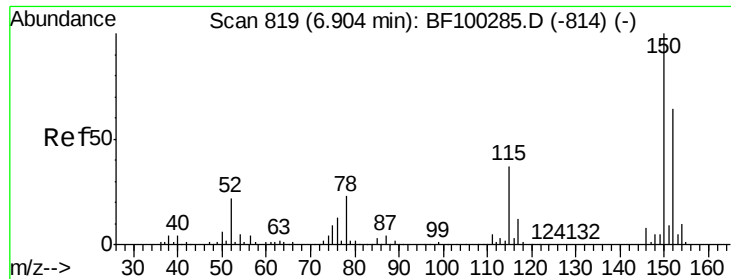
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	59012	5.45	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	90631	12.66	ng	# 80
25) Isophorone	7.45	82	677530	41.29	ng	# 64
47) 2-Nitroaniline	9.63	65	953	3.01	ng	# 1
49) Dimethylphthalate	9.63	163	111098	6.64	ng	99
56) 2,4-Dinitrotoluene	9.92	165	28692	6.87	ng	# 23
62) Azobenzene	10.63	77	51870	3.29	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.71	198	437	8.79	ng	# 17
66) 4-Bromophenyl-phenylether	10.71	248	13045	3.71	ng	# 1

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

```
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Operator  : SJ/JU  
Sample    : I6448-01  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
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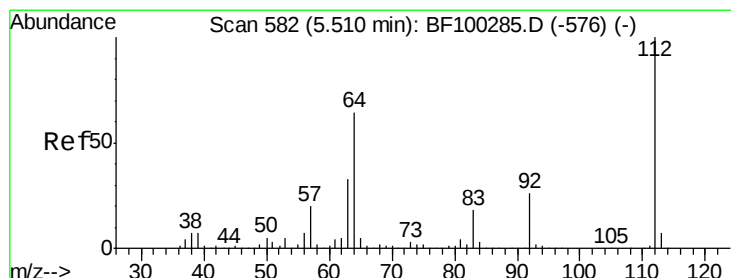
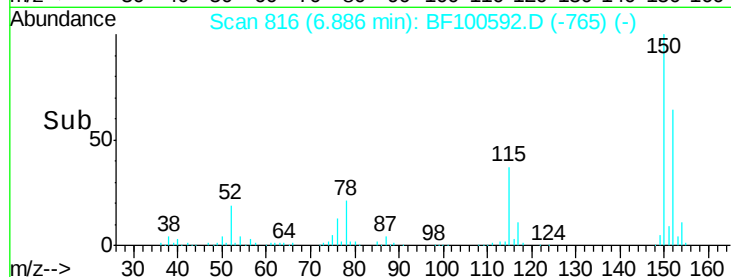
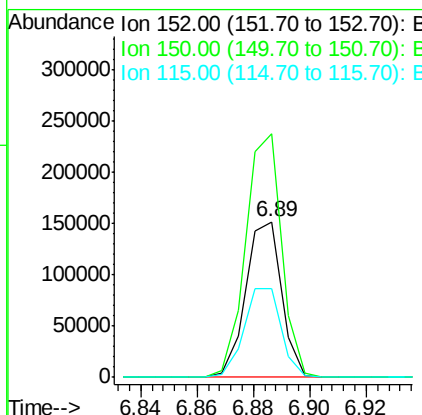
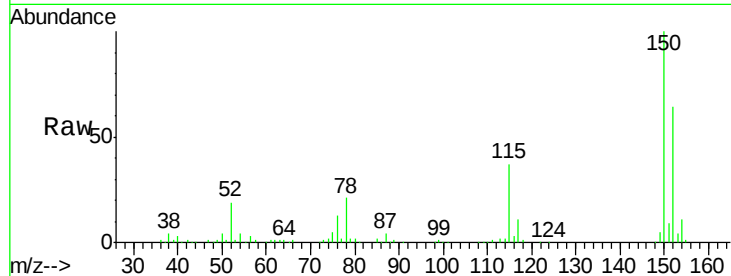


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF100592.D
 Acq: 15 Nov 2017 17:05

Instrument :
 BNA_F
 ClientSampleId :

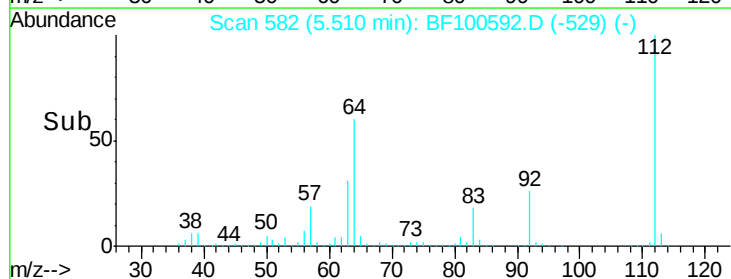
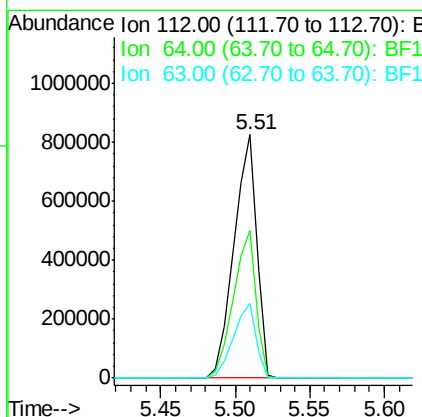
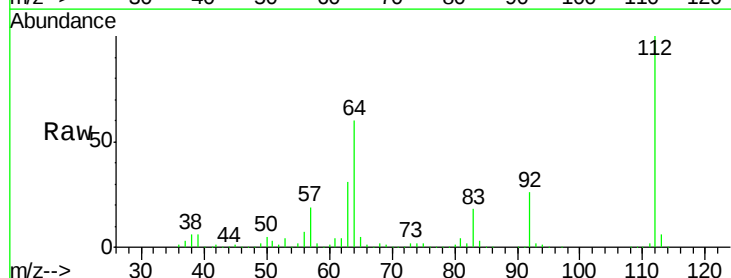
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	57.3	50.1	75.1



#5

2-Fluorophenol
 Concen: 106.03 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF100592.D
 Acq: 15 Nov 2017 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 104.63 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

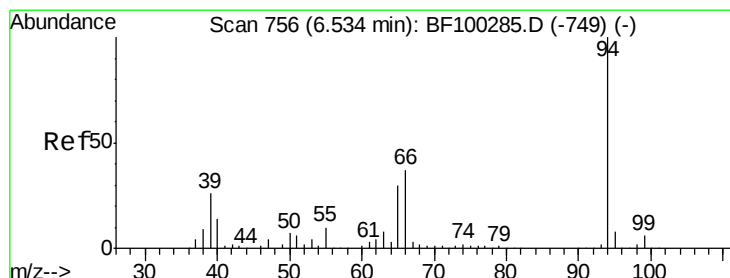
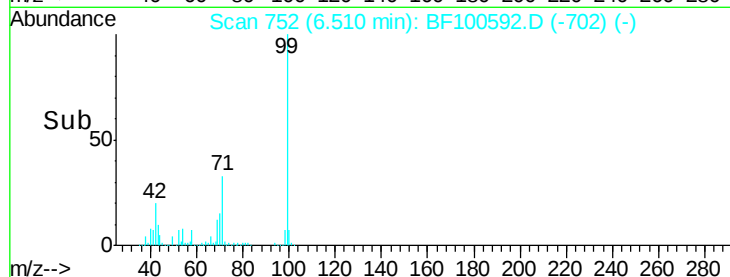
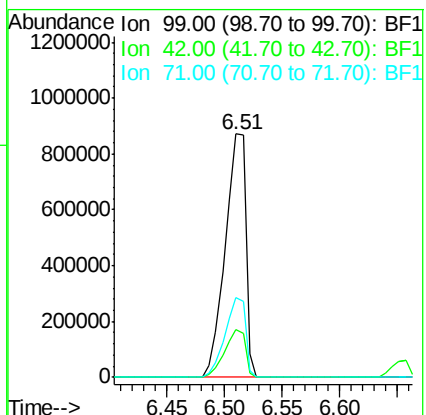
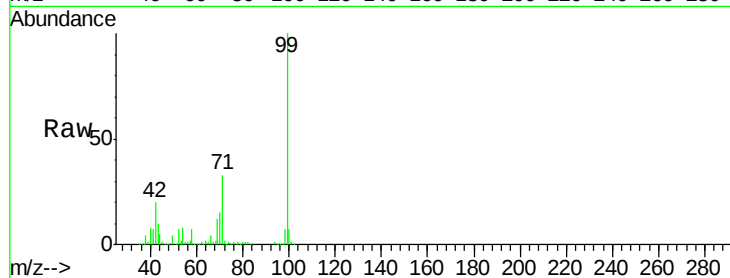
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1079749

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.5	21.7
71	32.8	25.4	38.0



#10

Phenol

Concen: 5.45 ng

RT: 6.52 min Scan# 754

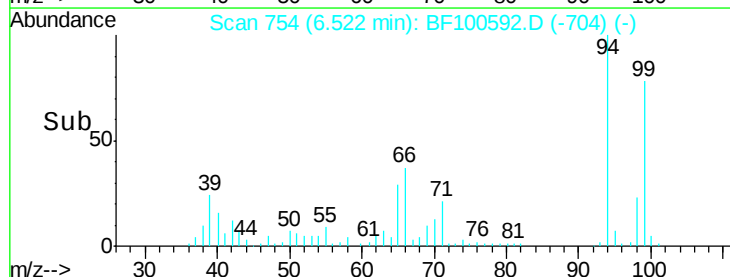
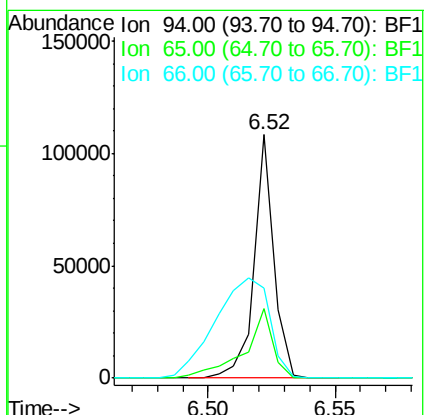
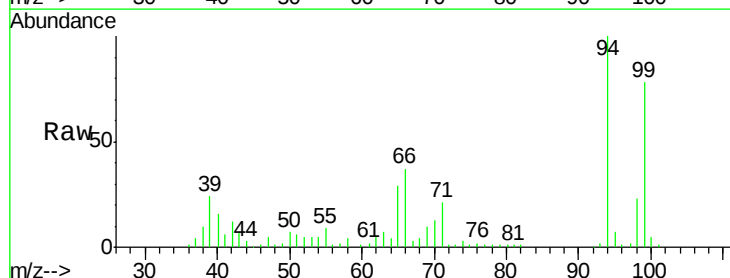
Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Tgt Ion: 94 Resp: 59012

Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.9	47.9
66	37.2	16.2	56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.66 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

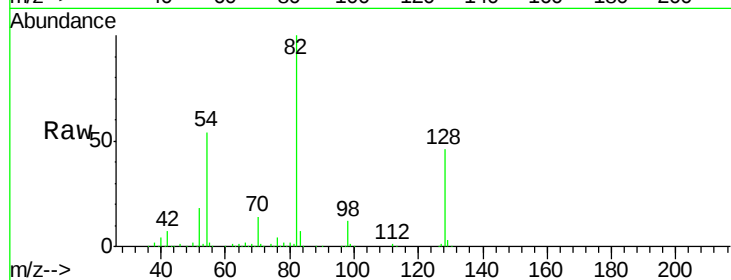
Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

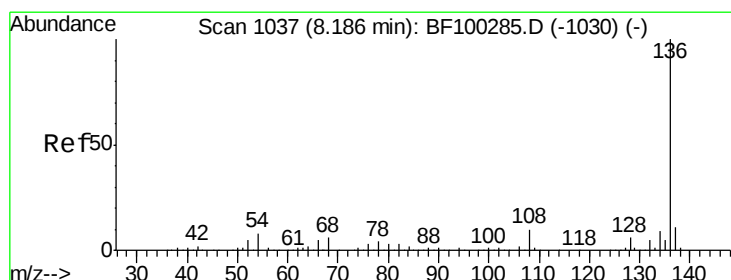
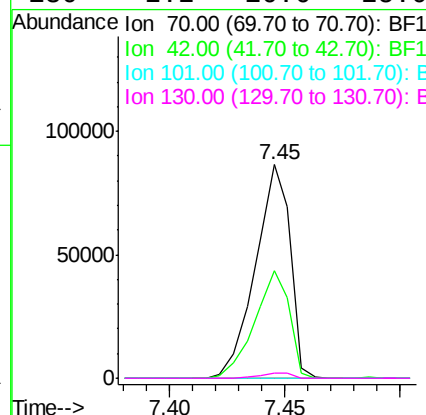
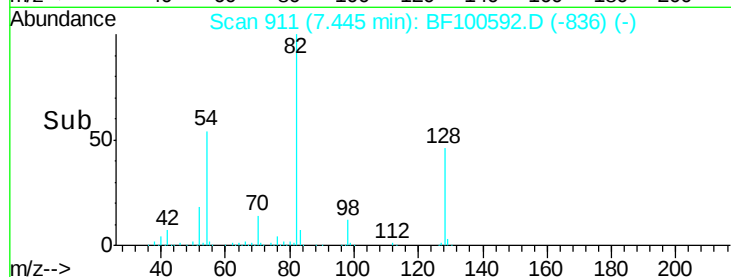
Instrument :

BNA_F

ClientSampled :



Tot Ion:	70	Resp:	90631
Ion	Ratio	Lower	Upper
70	100		
42	50.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

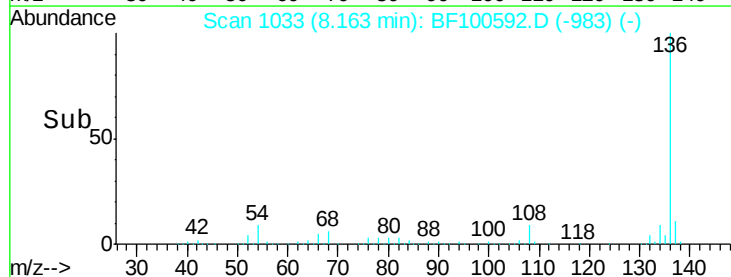
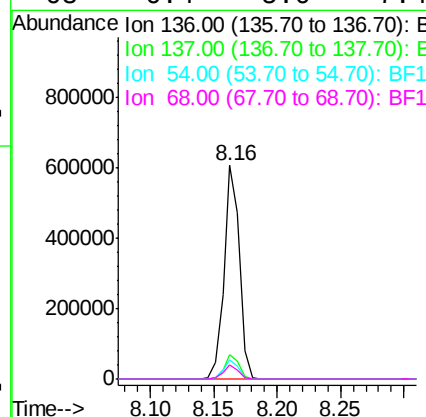
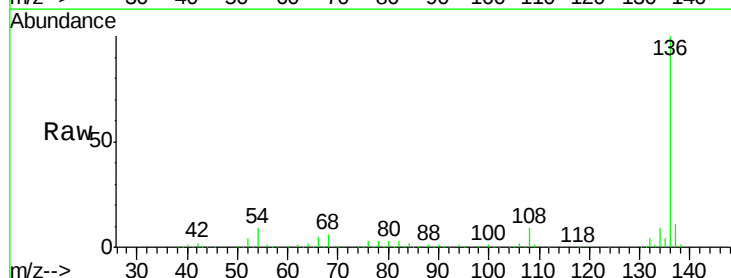
RT: 8.16 min Scan# 1033

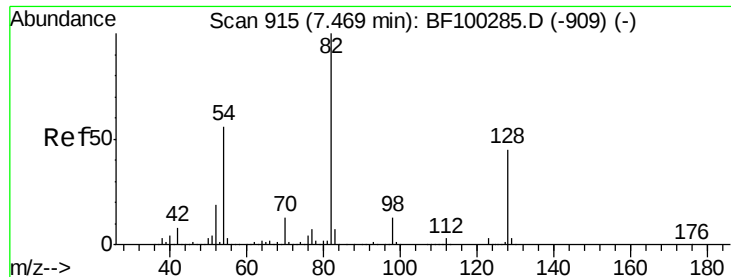
Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Tgt Ion:	136	Resp:	516306
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	6.4	5.0	7.4

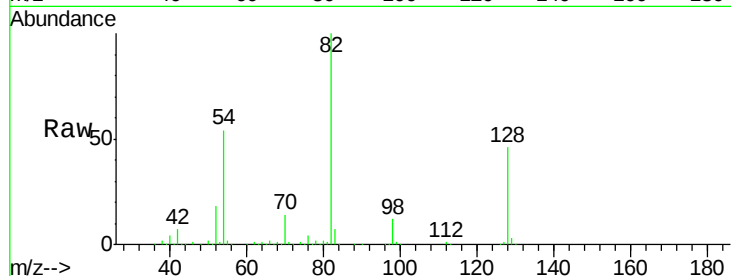




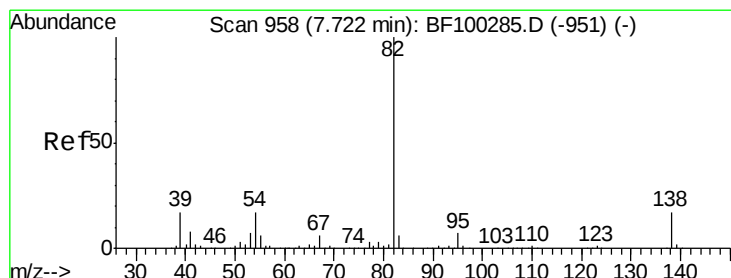
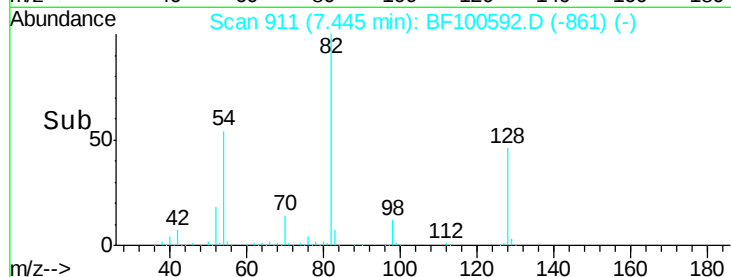
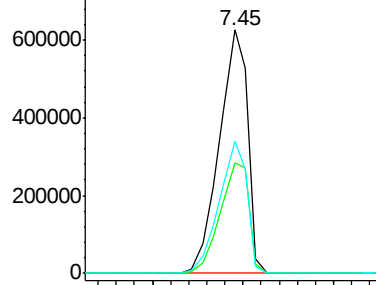
#23
Nitrobenzene-d5
Concen: 86.79 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	677787
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	54.1	41.4	62.2

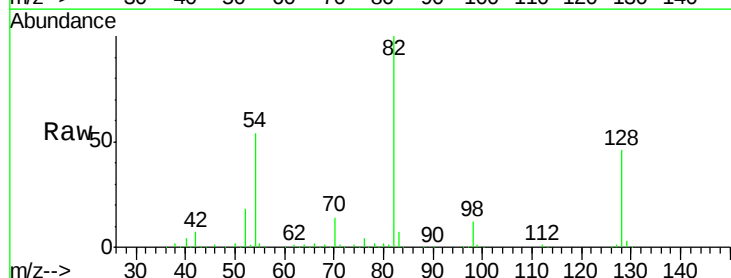


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

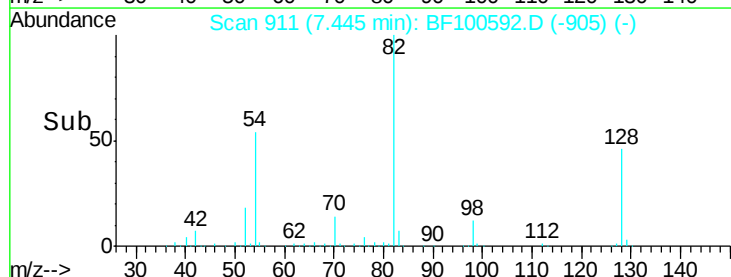
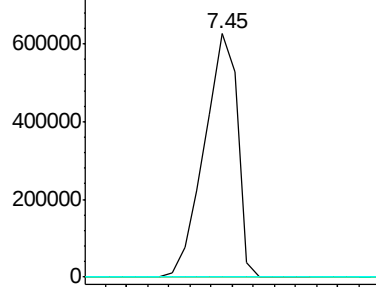


#25
Isophorone
Concen: 41.29 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

Tgt Ion	82	Resp	677530
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

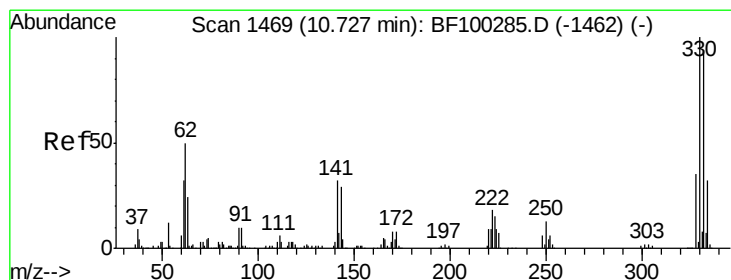
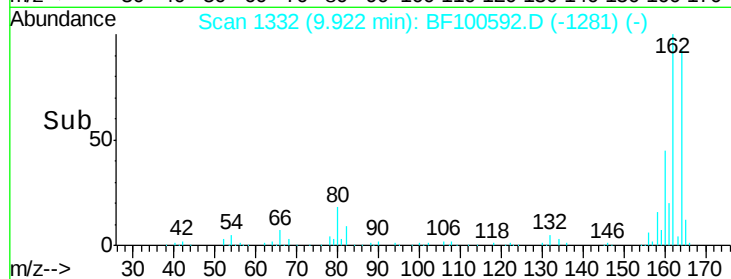
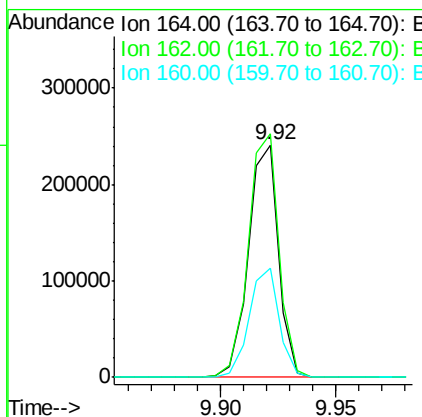
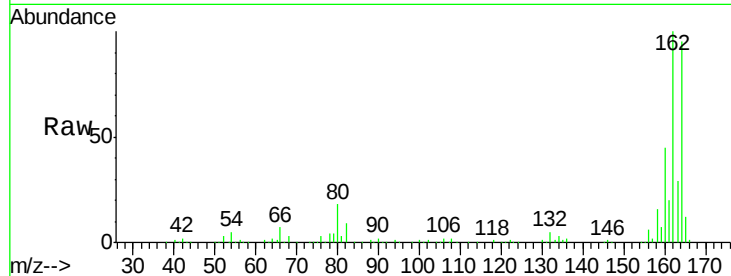




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

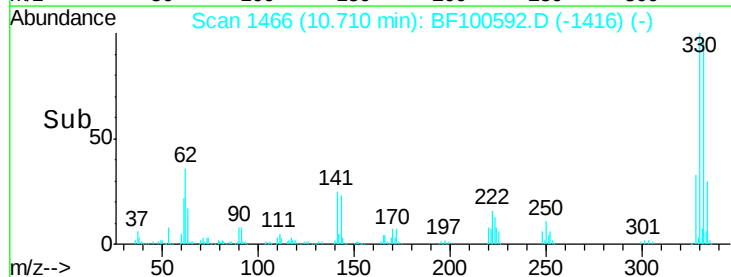
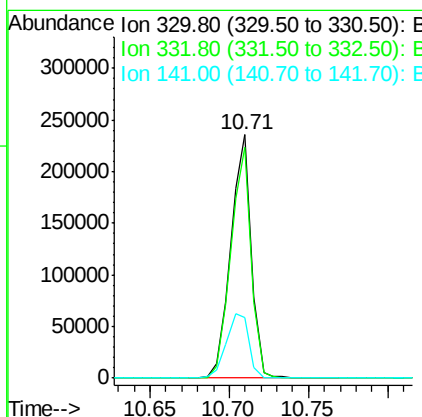
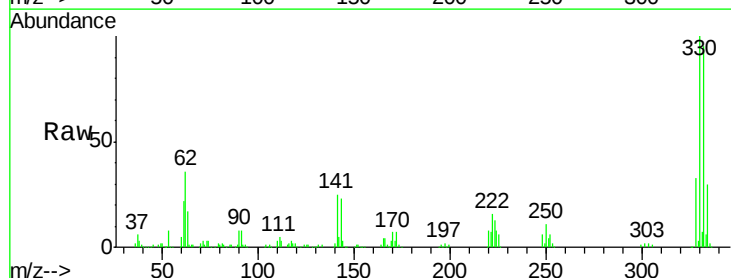
Instrument :
BNA_F
ClientSampleId :

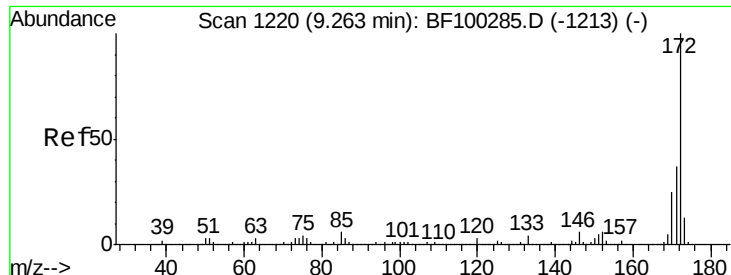
Tot Ion:164 Resp: 218987
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 47.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 94.44 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

Tgt Ion:330 Resp: 210731
Ion Ratio Lower Upper
330 100
332 94.5 77.0 115.6
141 29.3 29.9 44.9#

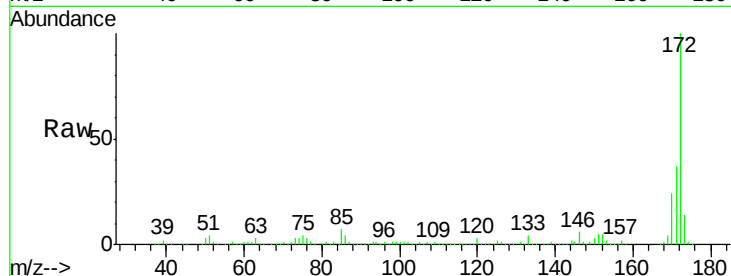




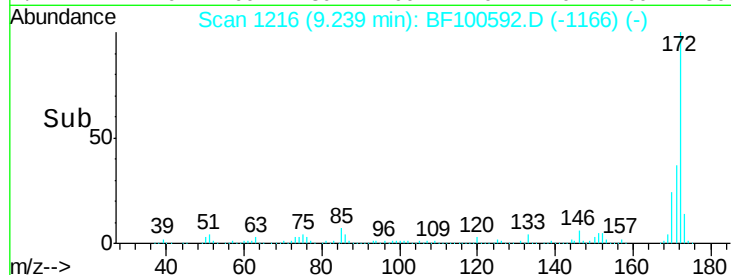
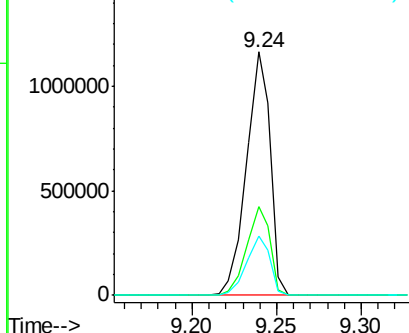
#44
2-Fluorobiphenyl
Concen: 79.83 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1148109
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.4 19.6 29.4

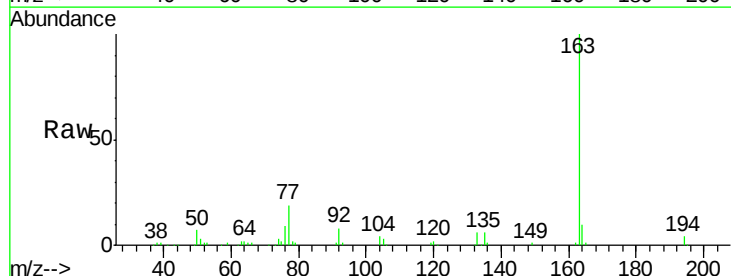


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

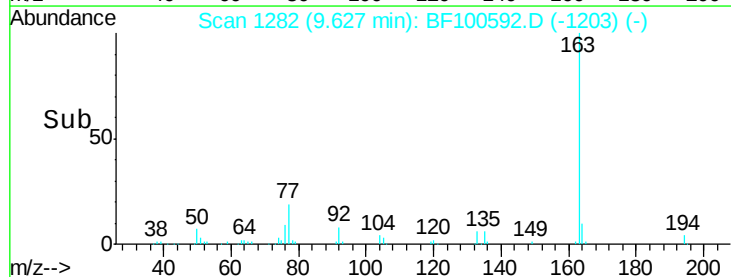
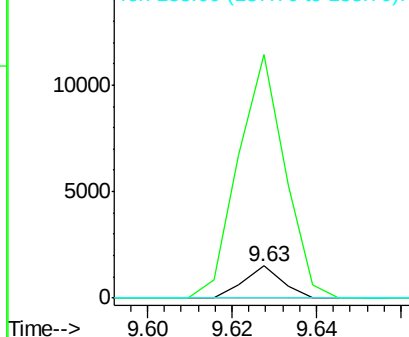


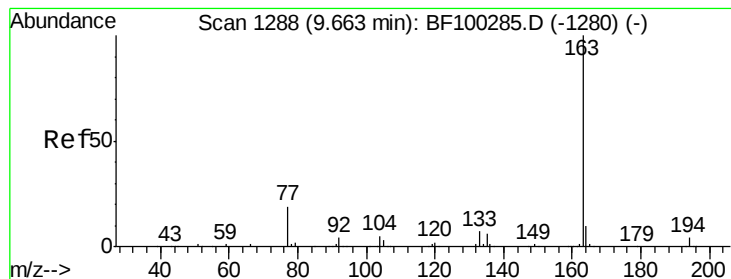
#47
2-Nitroaniline
Concen: 3.01 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100592.D
Acq: 15 Nov 2017 17:05

Tgt Ion: 65 Resp: 953
Ion Ratio Lower Upper
65 100
92 764.7 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 6.64 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA_F

ClientSampleId :

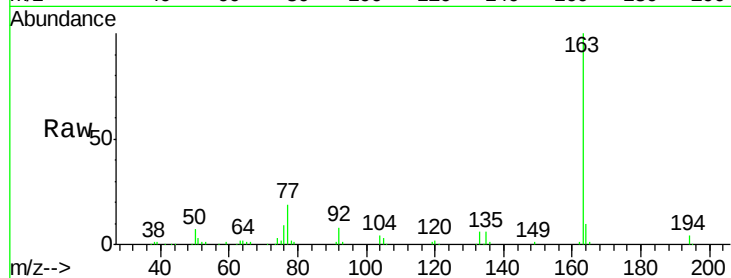
Tot Ion:163 Resp: 111098

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

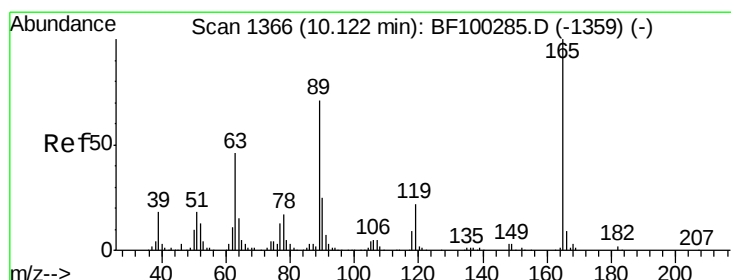
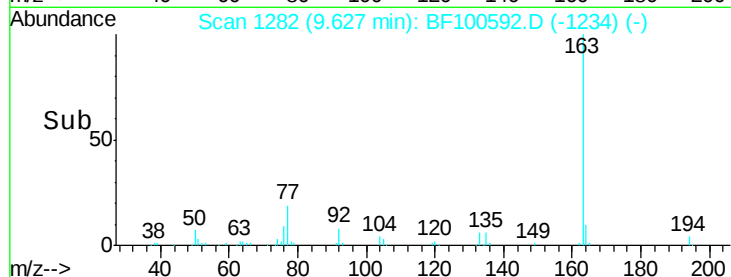
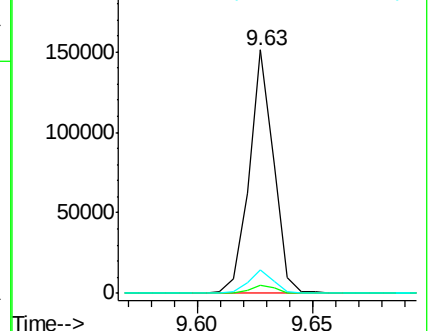
164 9.8 8.2 12.2



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: 6.87 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Tgt Ion:165 Resp: 28692

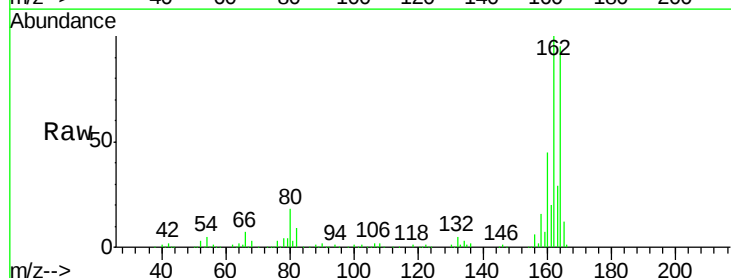
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

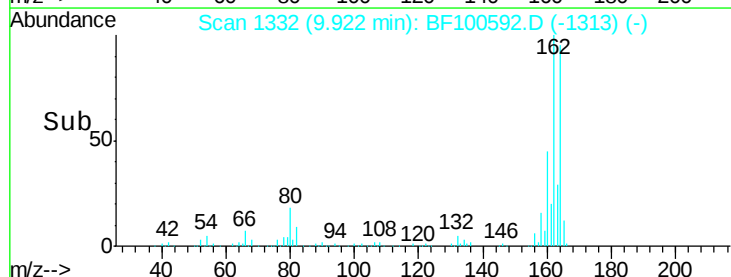
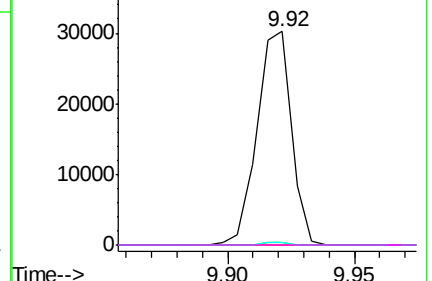


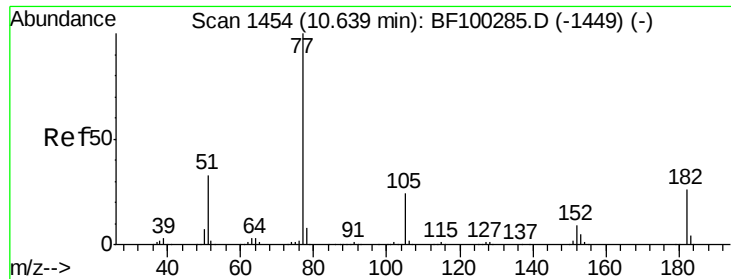
Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.29 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 51870

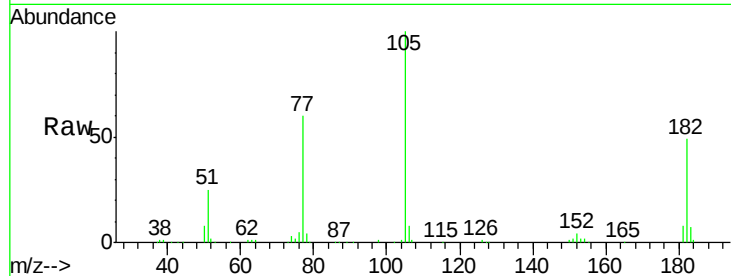
Ion Ratio Lower Upper

77 100

182 81.5 1.7 41.7#

105 166.0 3.0 43.0#

51 42.0 9.9 49.9

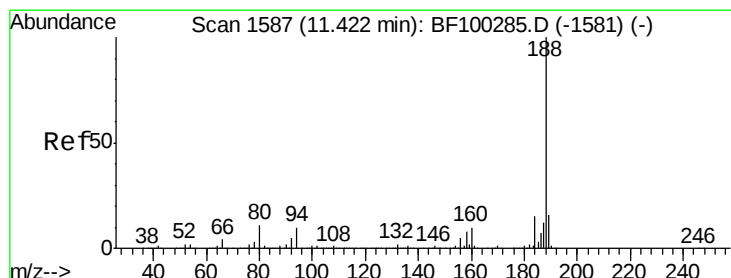
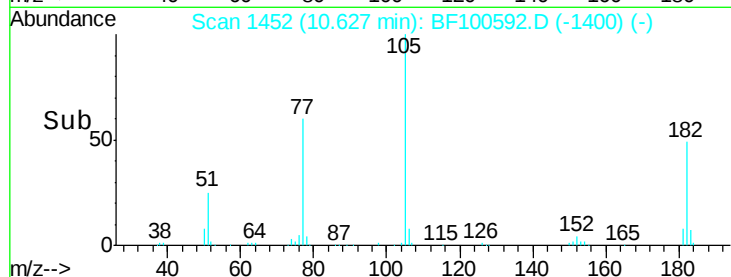
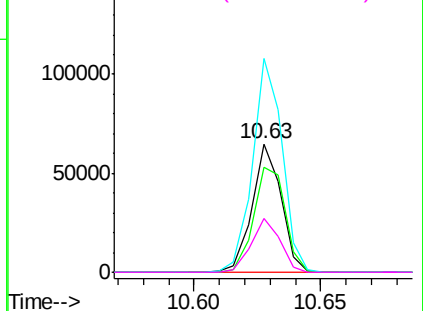


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

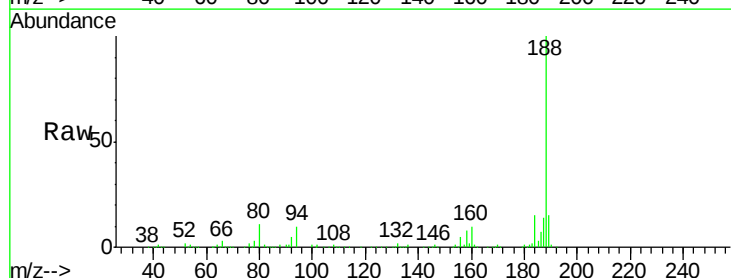
Tgt Ion: 188 Resp: 328039

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

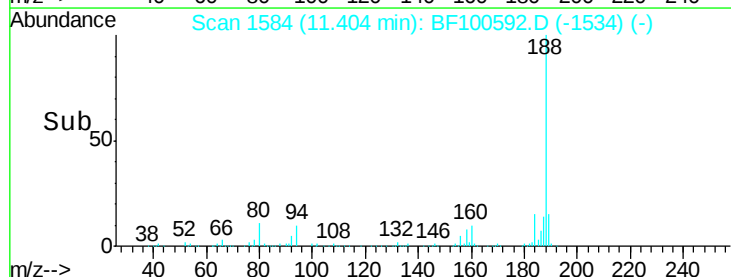
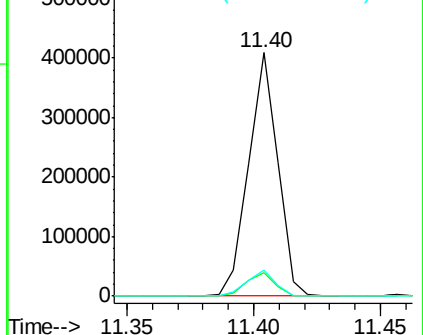
80 10.6 9.2 13.8

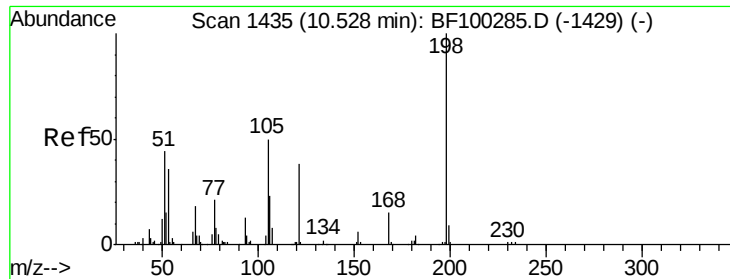


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 8.79 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA_F

ClientSampleId :

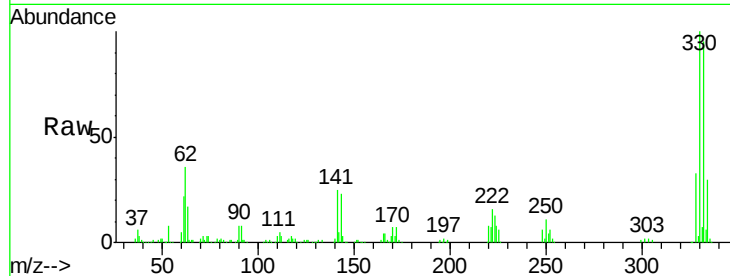
Tot Ion:198 Resp: 437

Ion Ratio Lower Upper

198 100

51 110.1 37.7 77.7#

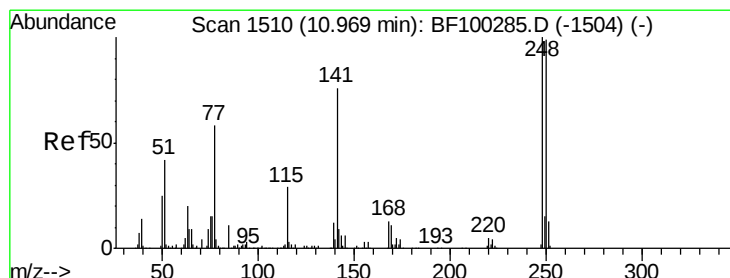
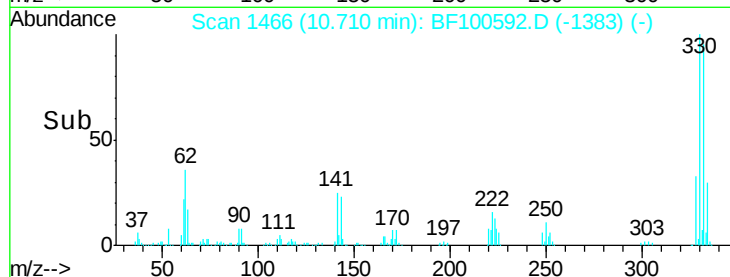
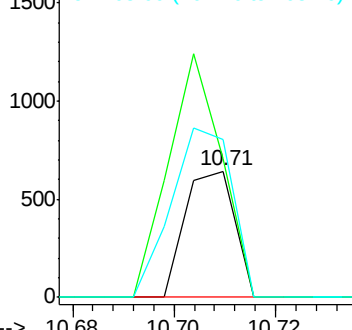
105 125.5 36.3 76.3#



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: 3.71 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

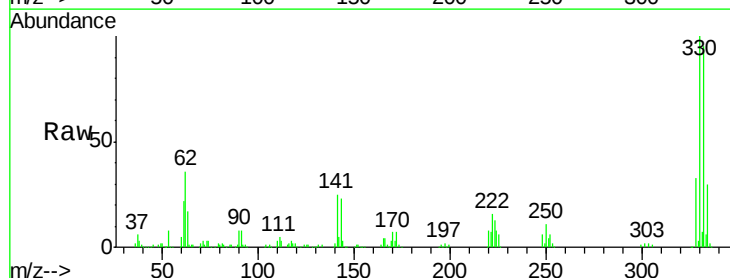
Tgt Ion:248 Resp: 13045

Ion Ratio Lower Upper

248 100

250 190.9 76.9 115.3#

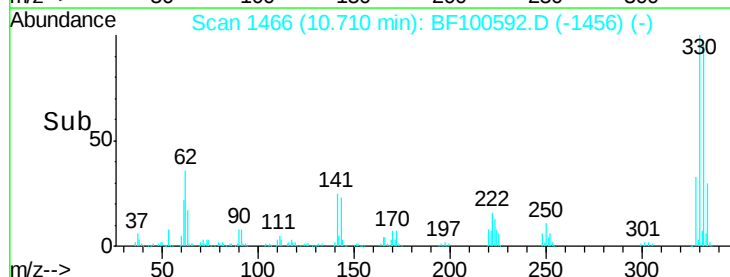
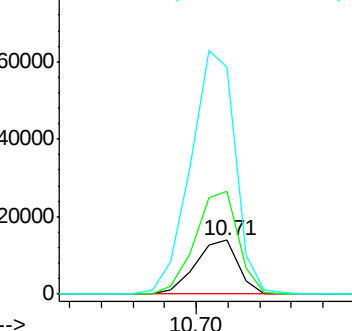
141 421.6 74.4 111.6#

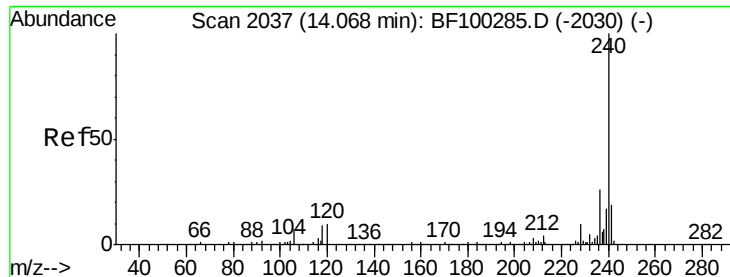


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

Instrument :

BNA_F

ClientSampleId :

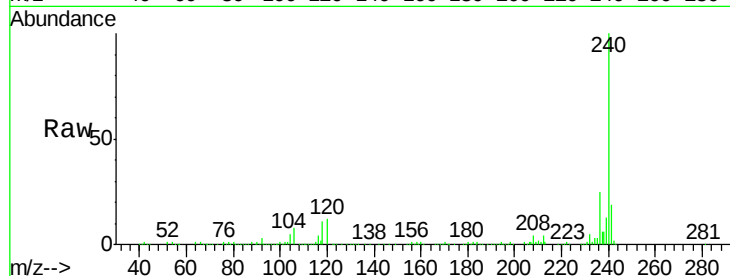
Tot Ion:240 Resp: 276594

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

236 25.2 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

14.04

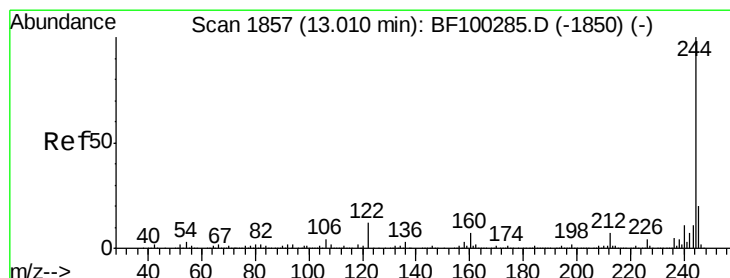
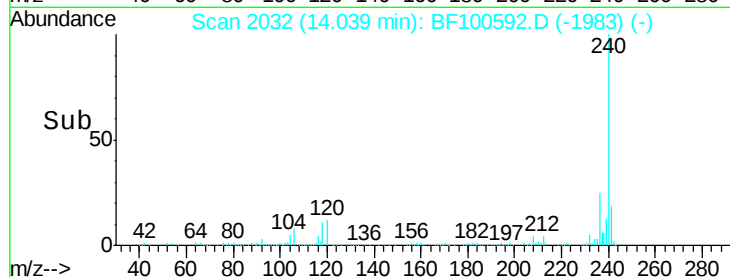
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 62.21 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100592.D

Acq: 15 Nov 2017 17:05

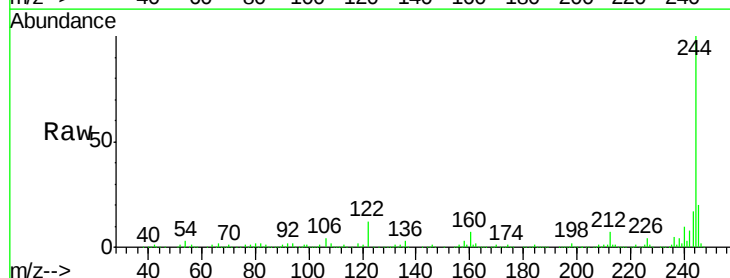
Tgt Ion:244 Resp: 748890

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 12.0 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

12.99

1000000

800000

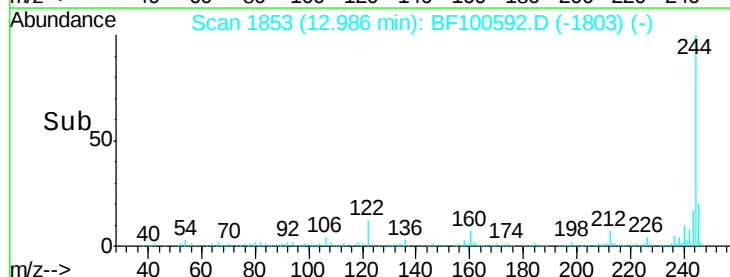
600000

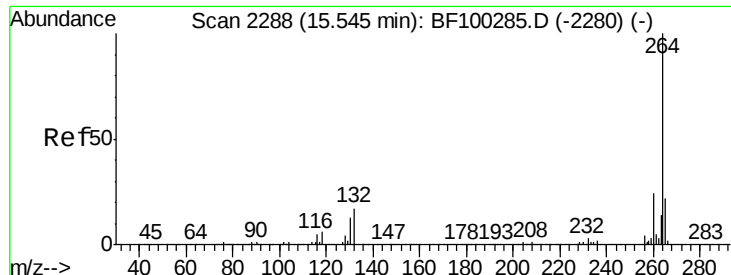
400000

200000

0

Time-->

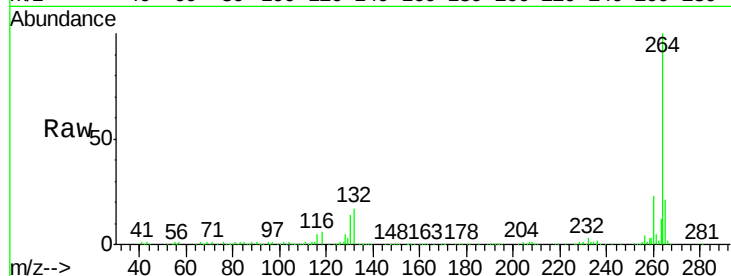




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF100592.D
 Acq: 15 Nov 2017 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	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

