

Data File : BF100716.D
Acq On : 18 Nov 2017 12:10
Operator : SJ/JU
Sample : I6304-17
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-C

Quant Time: Nov 20 00:12:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	96285	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	375703	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	159239	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	257507	20.00	ng	0.00
75) Chrysene-d12	14.04	240	205657	20.00	ng	0.00
86) Perylene-d12	15.52	264	177477	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	662631	110.32	ng	0.02
7) Phenol-d6	6.51	99	714353	96.44	ng	0.00
23) Nitrobenzene-d5	7.45	82	563813	99.22	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	200655	123.66	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1056341	101.01	ng	0.00
78) Terphenyl-d14	12.99	244	809499	90.44	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	14614	2.76	ng	82
19) n-Nitroso-di-n-propylamine	7.45	70	74650	14.53	ng	# 79
25) Isophorone	7.45	82	563801	47.21	ng	# 64
26) 2-Nitrophenol	7.55	139	108	5.41	ng	# 34
47) 2-Nitroaniline	9.24	65	1601	3.29	ng	# 6
50) 2,6-Dinitrotoluene	9.92	165	20282	8.43	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	20282	6.68	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.70	198	408	8.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	12466	4.52	ng	# 1

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

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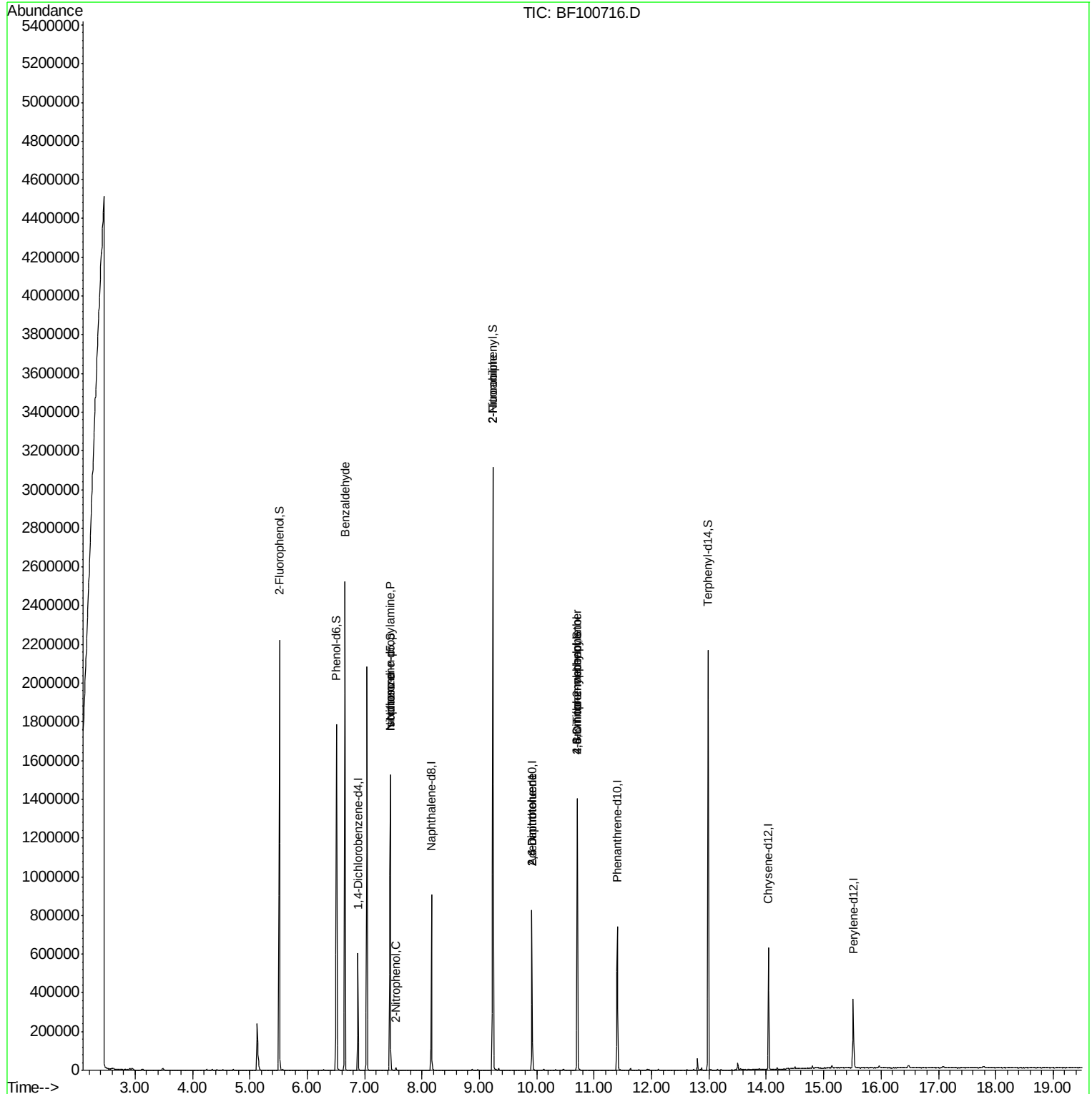
Quant Time: Nov 20 00:12:40 2017

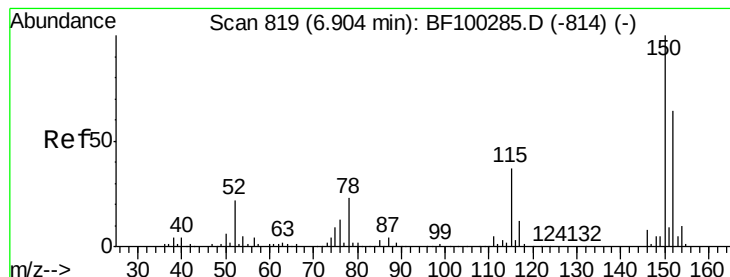
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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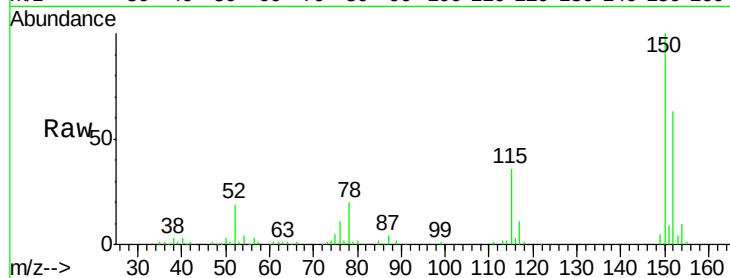


#1

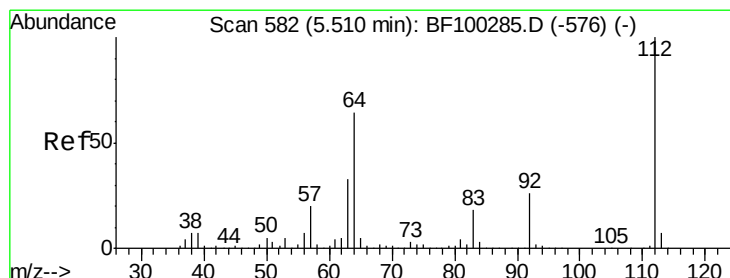
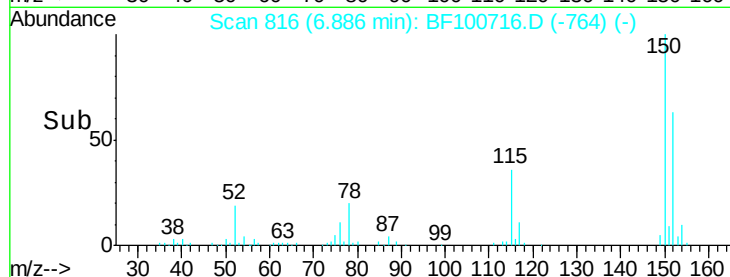
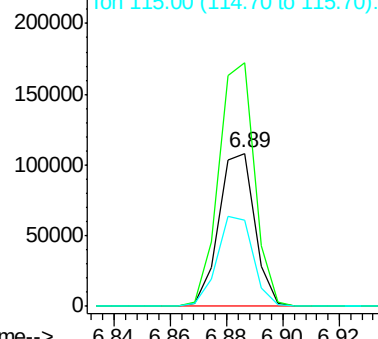
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF100716.D
Acq: 18 Nov 2017 12:10

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-C

Tgt Ion:152 Resp: 96285
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 56.5 50.1 75.1



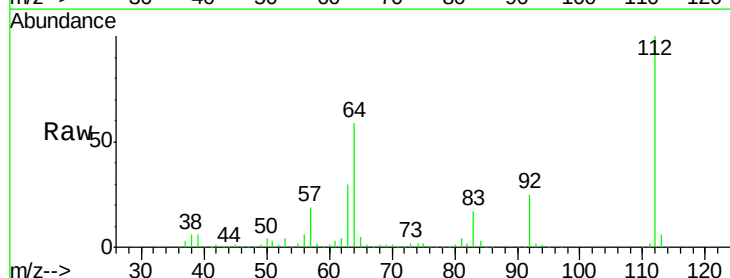
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



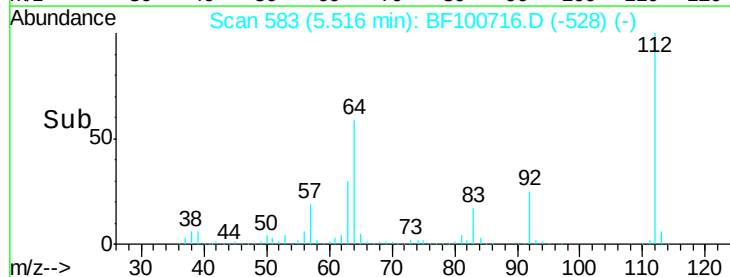
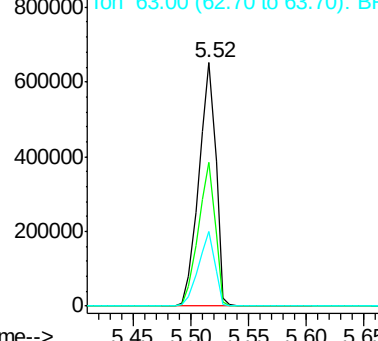
#5

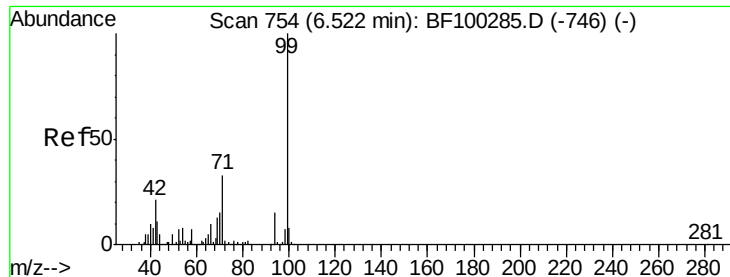
2-Fluorophenol
Concen: 110.32 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF100716.D
Acq: 18 Nov 2017 12:10

Tgt Ion:112 Resp: 662631
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 30.5 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: 96.44 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100716.D

Acq: 18 Nov 2017 12:10

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-C

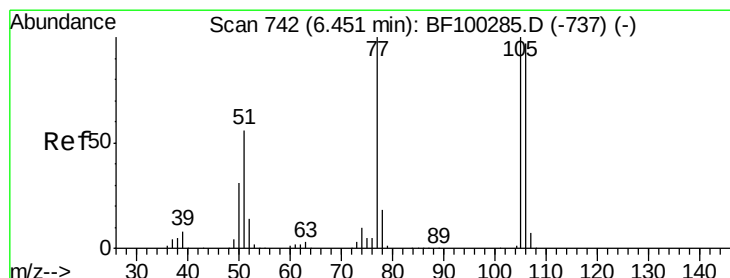
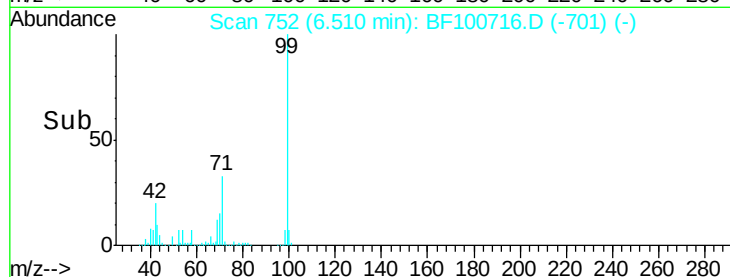
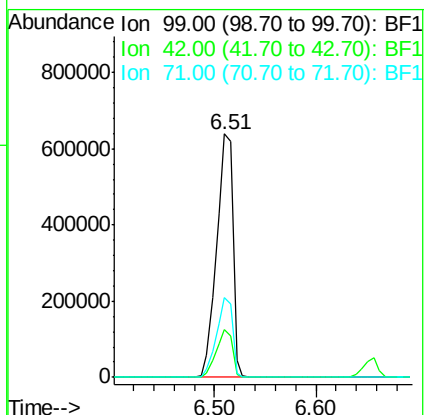
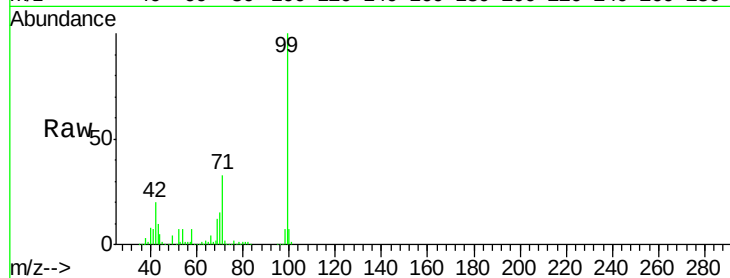
Tgt Ion: 99 Resp: 714353

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.6 25.4 38.0



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF100716.D

Acq: 18 Nov 2017 12:10

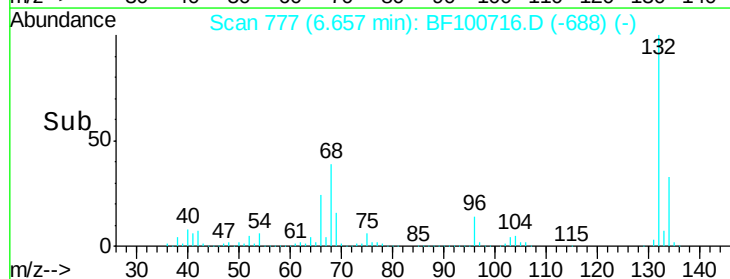
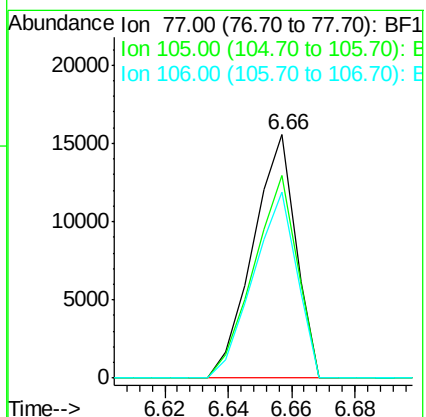
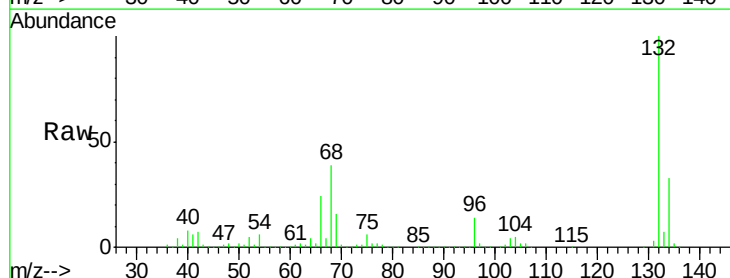
Tgt Ion: 77 Resp: 14614

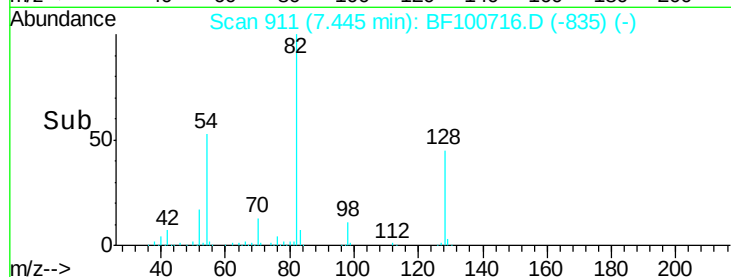
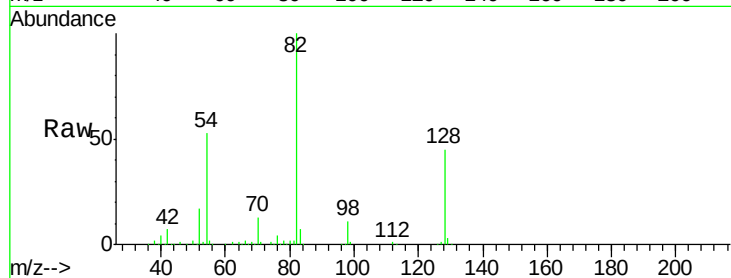
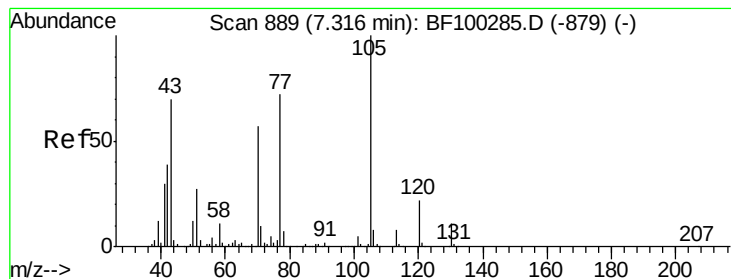
Ion Ratio Lower Upper

77 100

105 83.2 81.1 121.1

106 76.6 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 14.53 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100716.D

Acq: 18 Nov 2017 12:10

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-C

Tgt Ion: 70 Resp: 74650

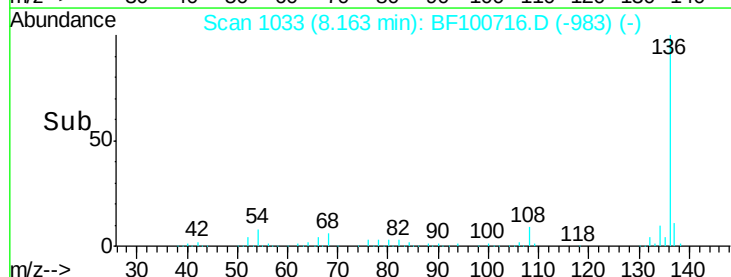
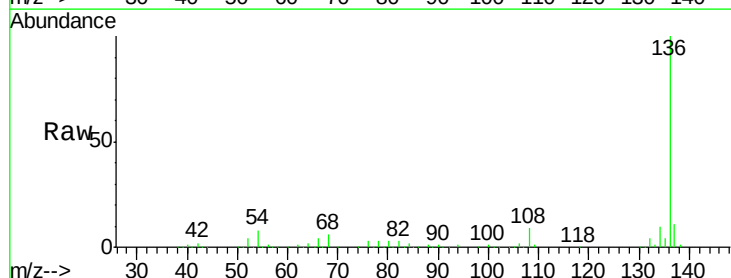
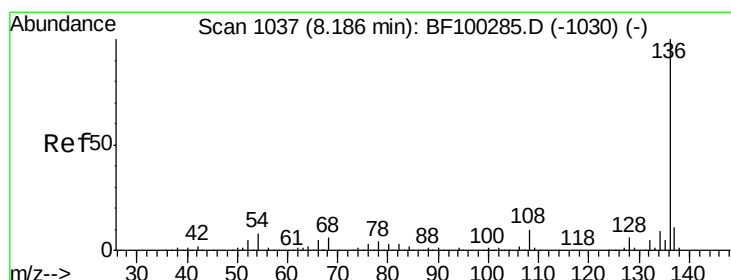
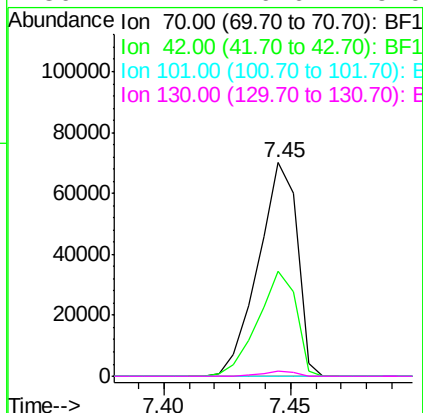
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF100716.D

Acq: 18 Nov 2017 12:10

Tgt Ion: 136 Resp: 375703

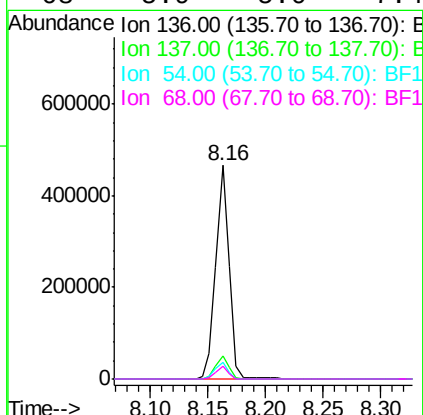
Ion Ratio Lower Upper

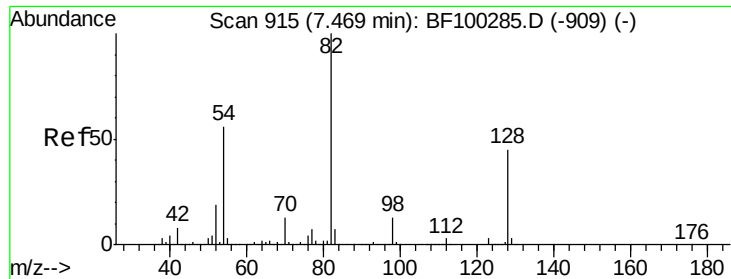
136 100

137 10.8 8.9 13.3

54 7.9 6.6 9.8

68 5.9 5.0 7.4

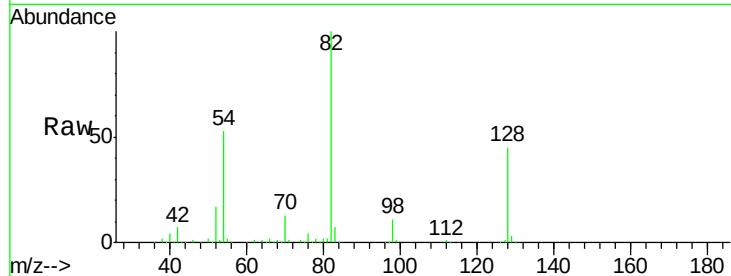




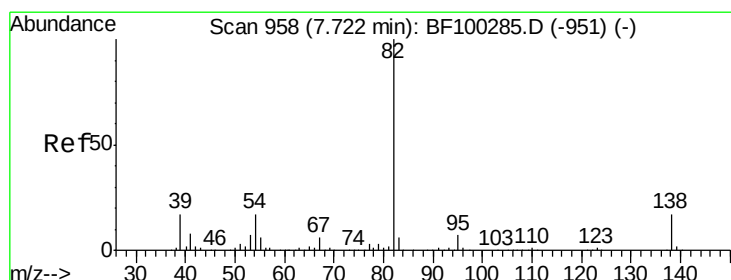
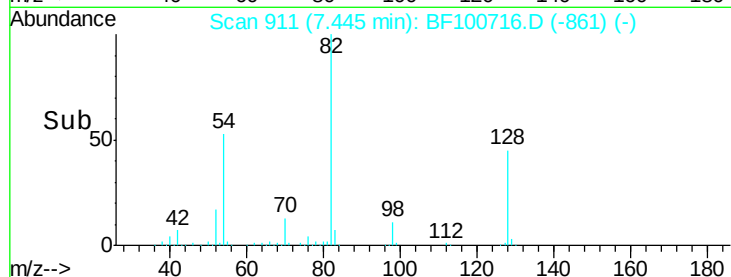
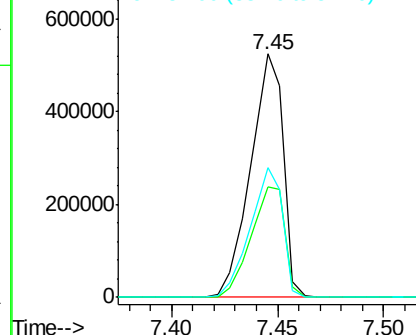
#23
 Nitrobenzene-d5
 Concen: 99.22 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Instrument :
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 ClientSampleId :
 CL-01-111617-C

Tgt Ion: 82 Resp: 563813
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.1 54.1
 54 53.4 41.4 62.2

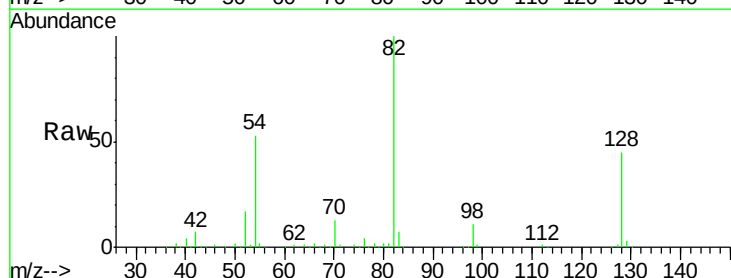


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

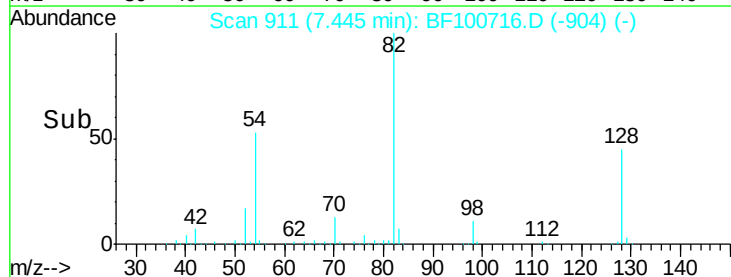
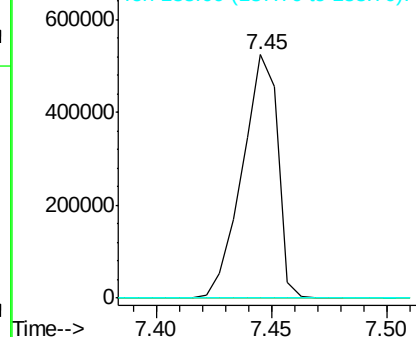


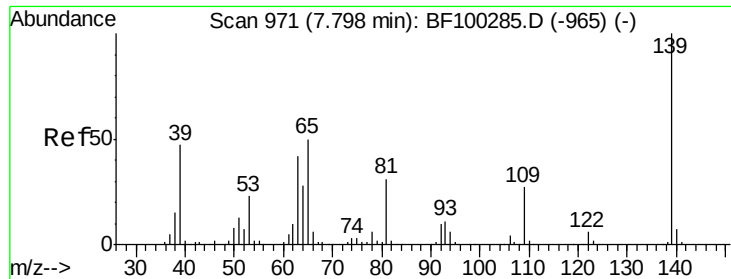
#25
 Isophorone
 Concen: 47.21 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Tgt Ion: 82 Resp: 563801
 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

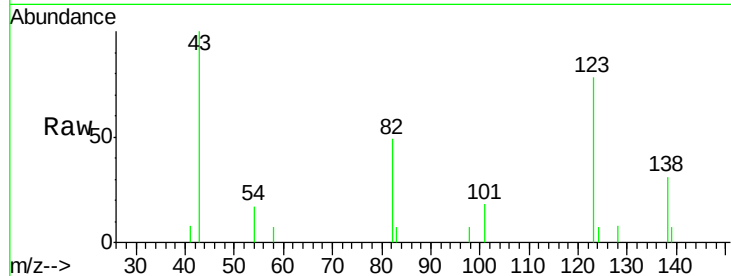




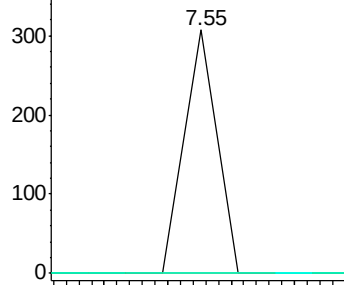
#26
 2-Nitrophenol
 Concen: 5.41 ng
 RT: 7.55 min Scan# 928
 Delta R.T. -0.24 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-C

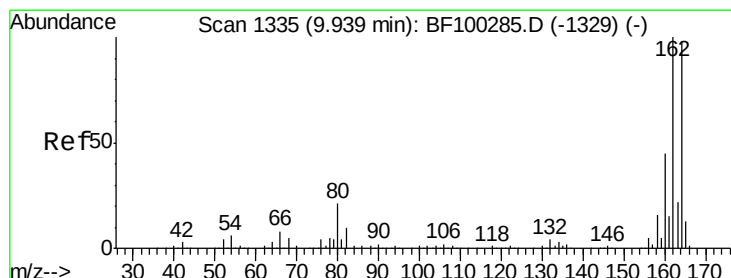
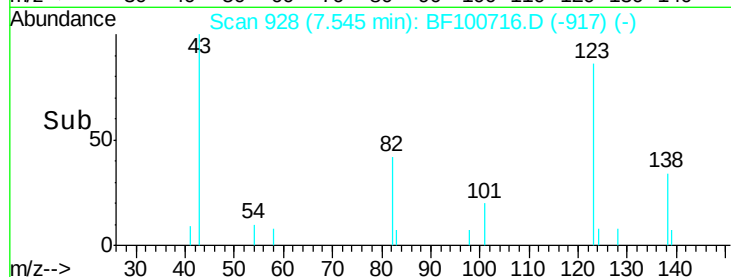
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

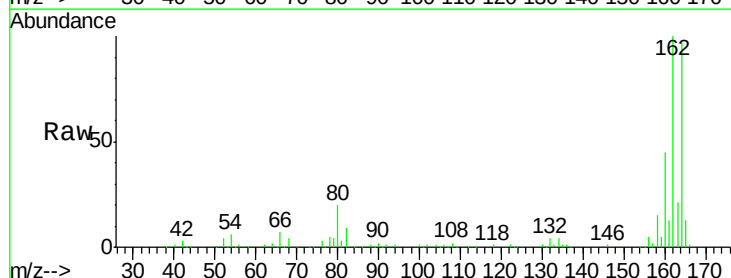


Time-->

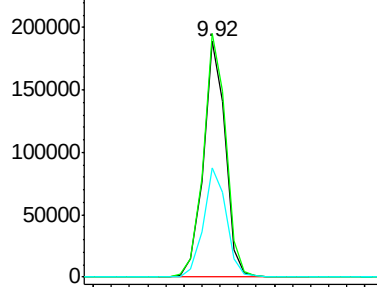


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

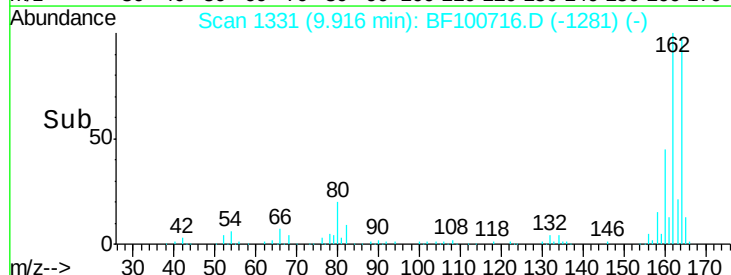
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.2	38.3	57.5

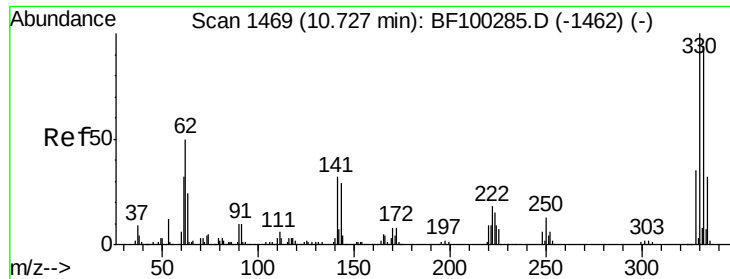


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



Time-->

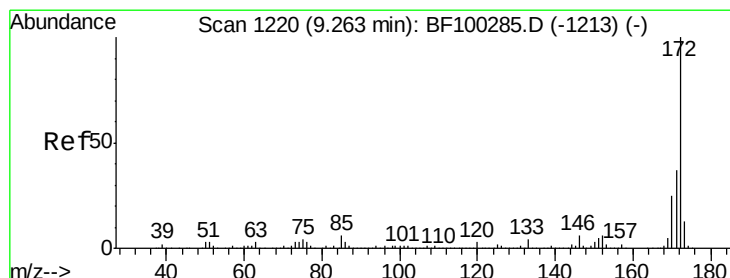
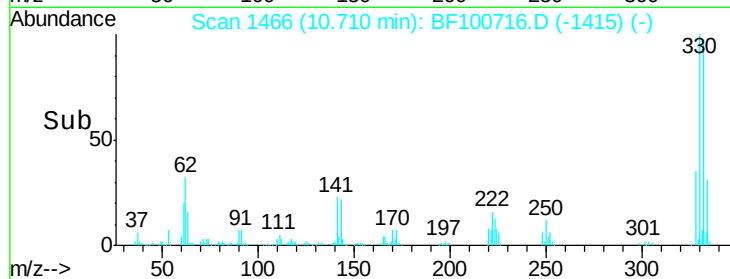
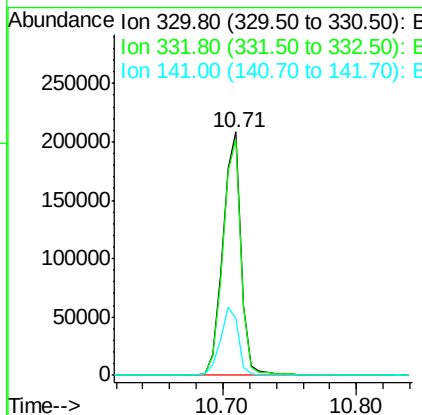
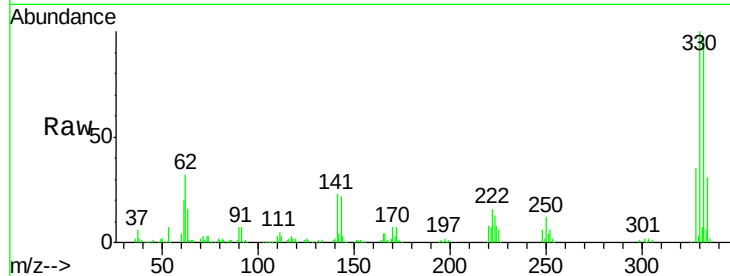




#41
 2,4,6-Tribromophenol
 Concen: 123.66 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

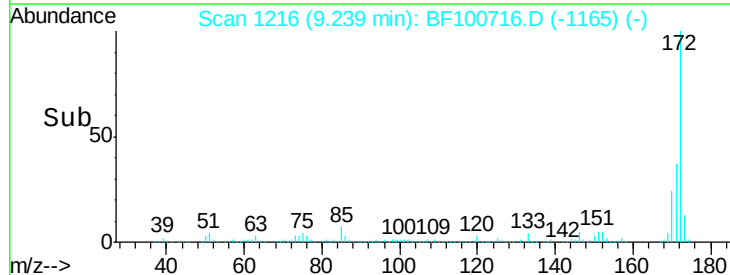
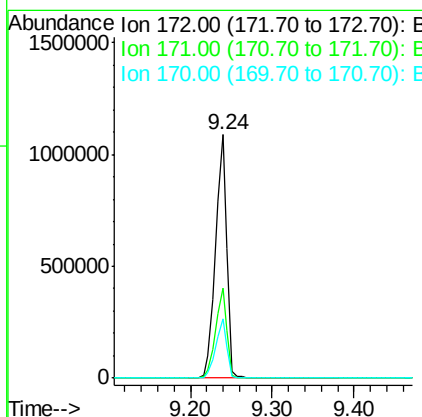
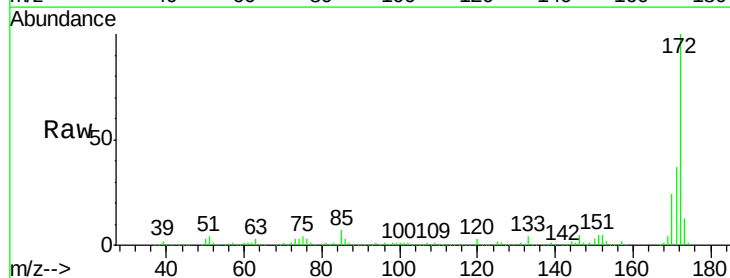
Instrument :
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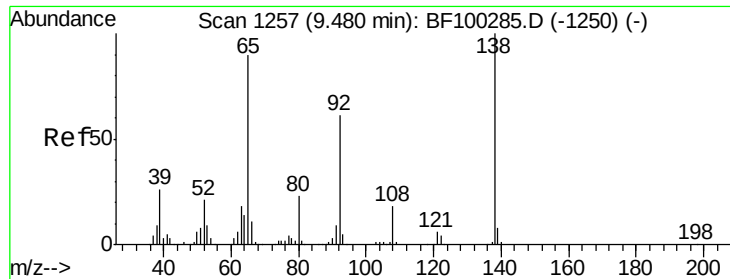
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	28.0	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 101.01 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

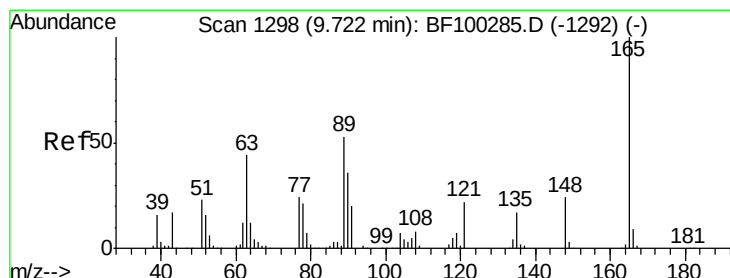
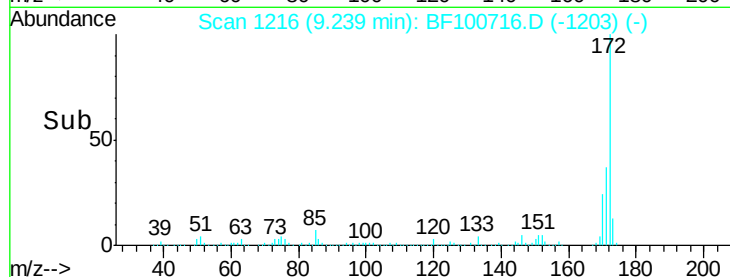
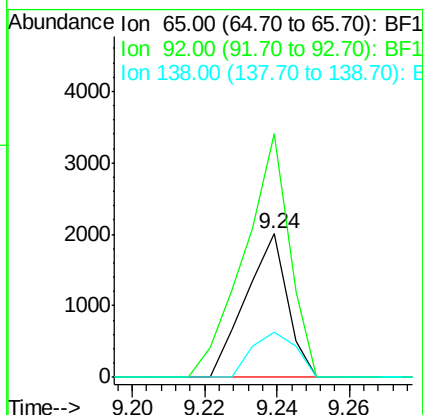
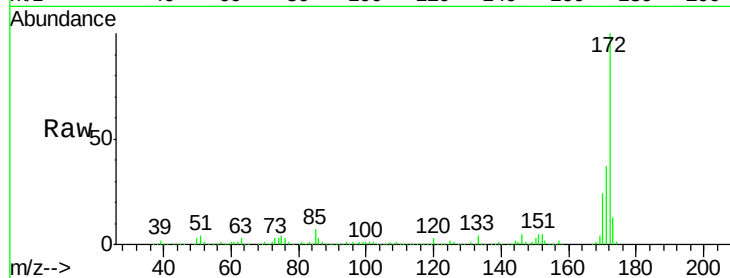




#47
2-Nitroaniline
Concen: 3.29 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF100716.D
Acq: 18 Nov 2017 12:10

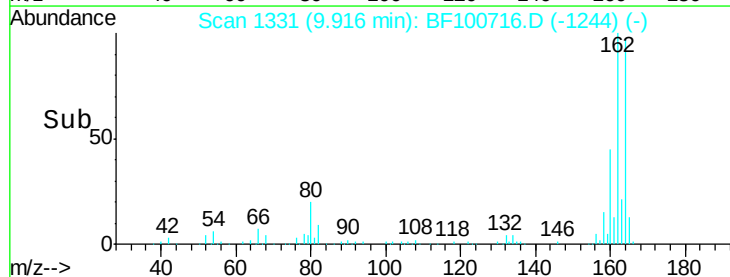
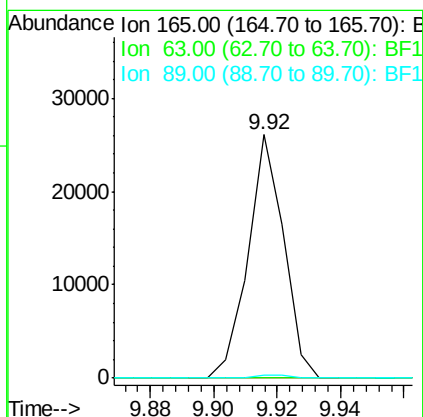
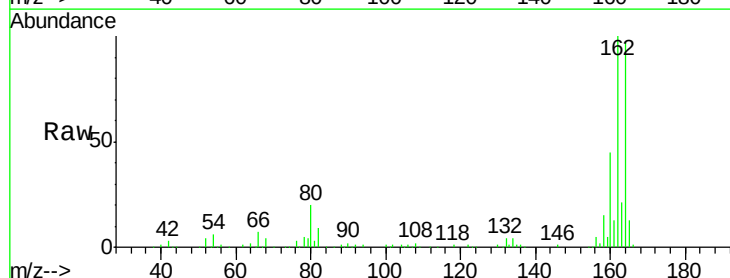
Instrument :
BNA_F
ClientSampleId :
CL-01-111617-C

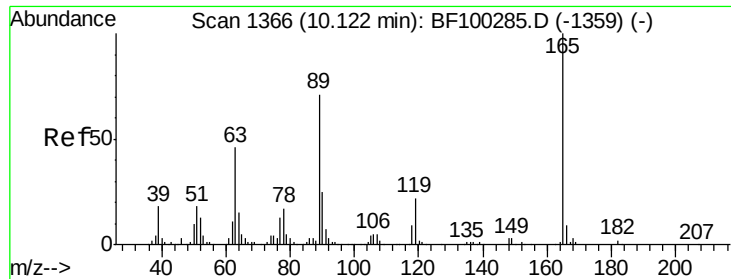
Tgt Ion: 65 Resp: 1601
Ion Ratio Lower Upper
65 100
92 170.1 55.8 83.6#
138 31.3 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.43 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100716.D
Acq: 18 Nov 2017 12:10

Tgt Ion: 165 Resp: 20282
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.2 44.0 66.0#

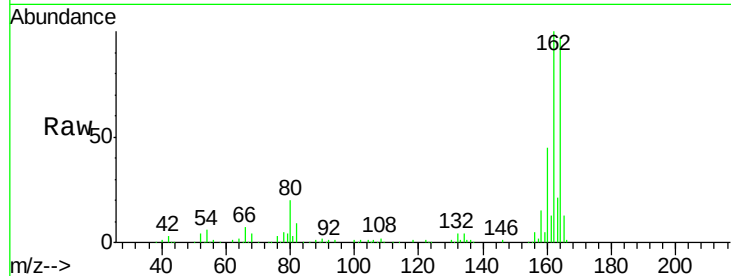




#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

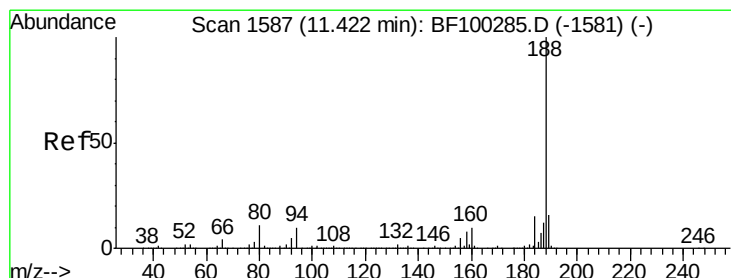
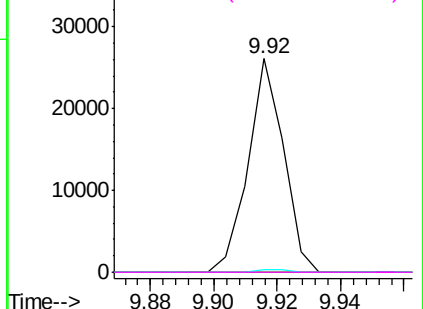
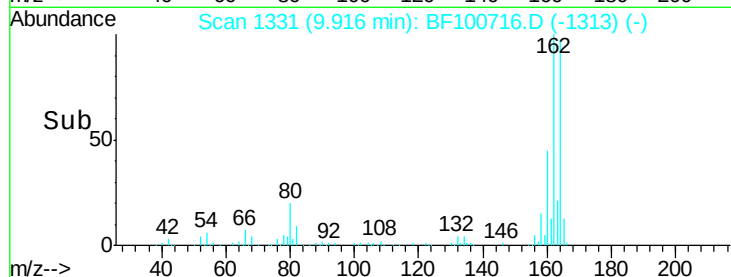


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

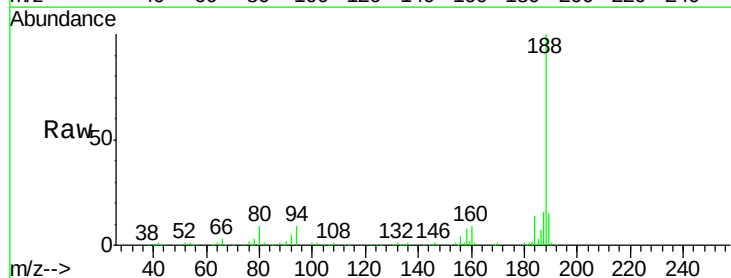
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

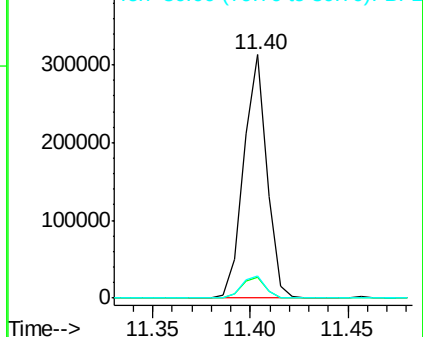
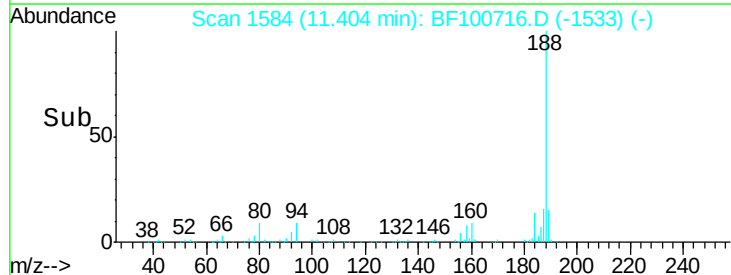
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.1	9.2	13.8#

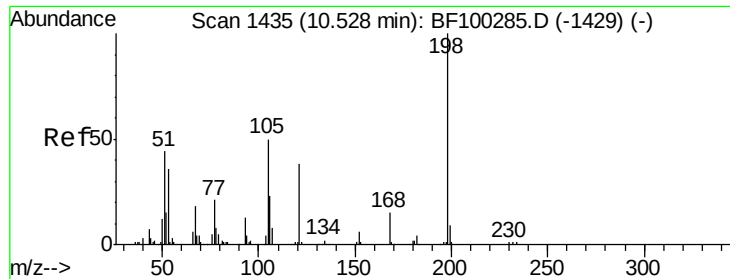


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

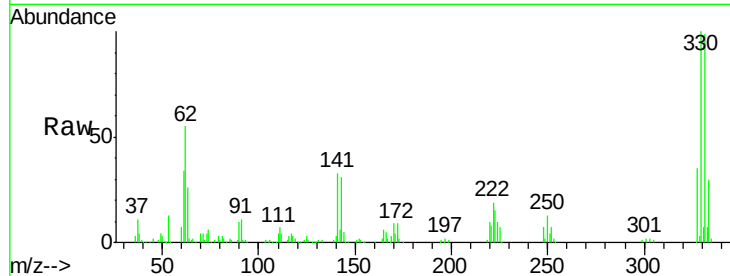




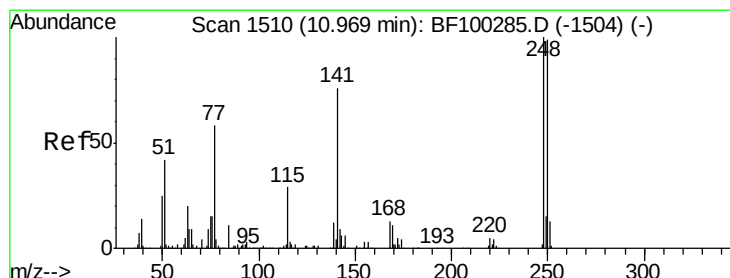
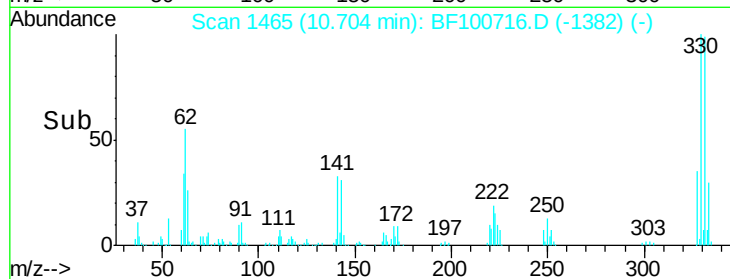
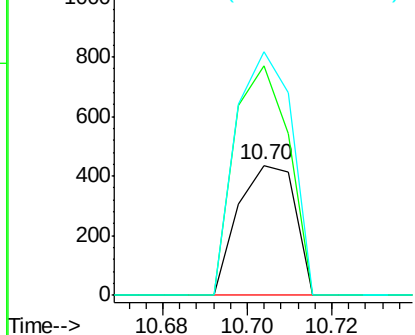
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.83 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-C

Tgt Ion:198 Resp: 408
 Ion Ratio Lower Upper
 198 100
 51 177.5 37.7 77.7#
 105 187.8 36.3 76.3#

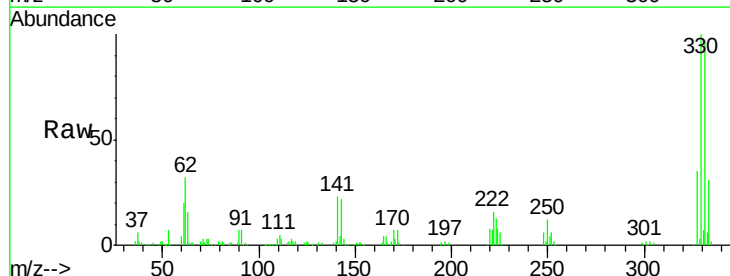


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

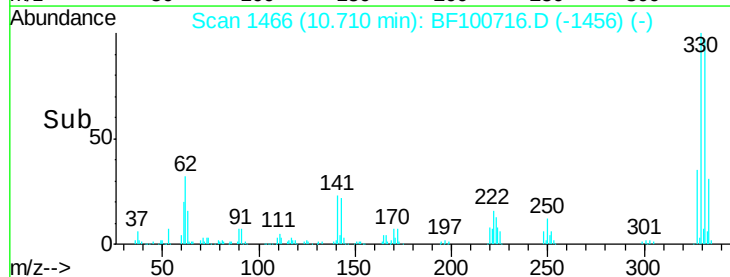
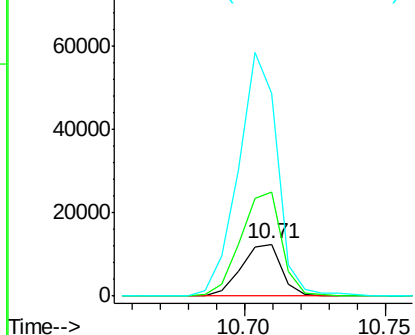


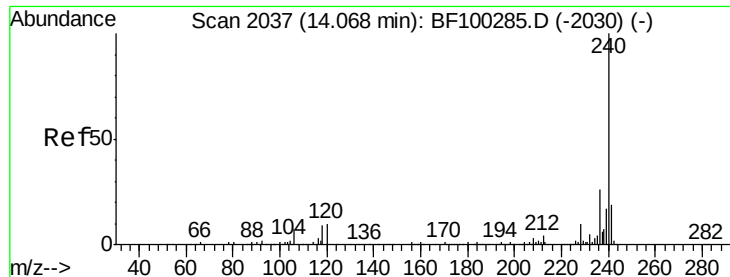
#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF100716.D
 Acq: 18 Nov 2017 12:10

Tgt Ion:248 Resp: 12466
 Ion Ratio Lower Upper
 248 100
 250 200.0 76.9 115.3#
 141 388.8 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: BF100716.D

Acq: 18 Nov 2017 12:10

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-C

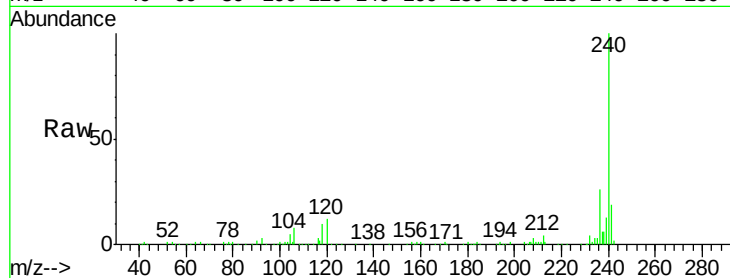
Tgt Ion:240 Resp: 205657

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

236 25.6 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

300000

250000

200000

150000

100000

50000

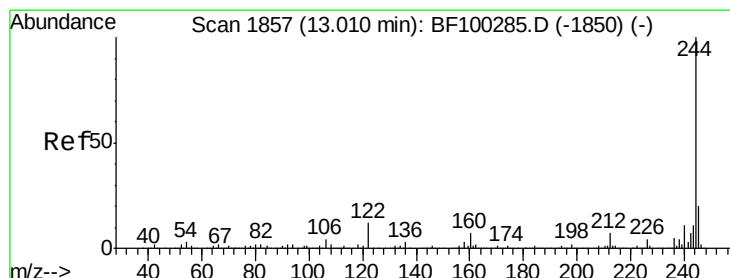
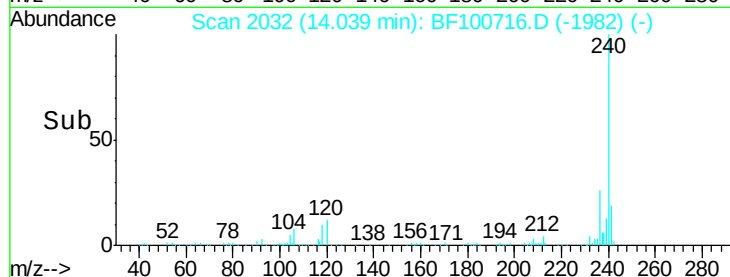
0

14.04

14.00

14.10

Time-->



#78

Terphenyl-d14

Concen: 90.44 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100716.D

Acq: 18 Nov 2017 12:10

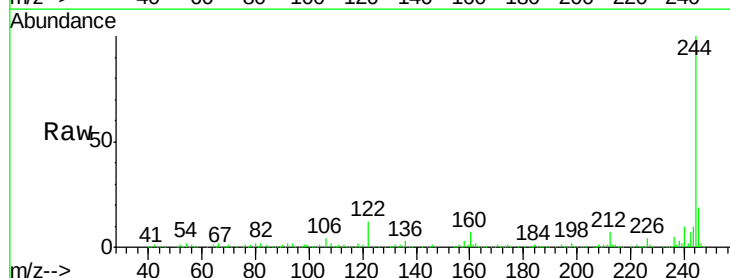
Tgt Ion:244 Resp: 809499

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 12.3 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

1000000

800000

600000

400000

200000

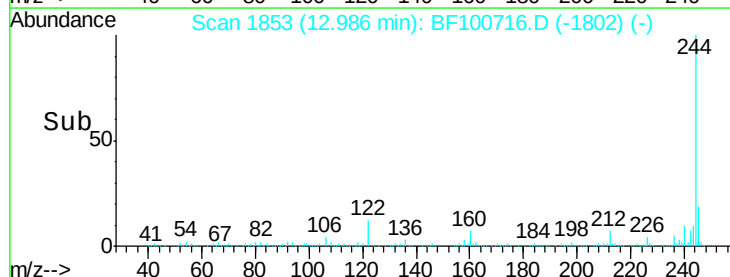
0

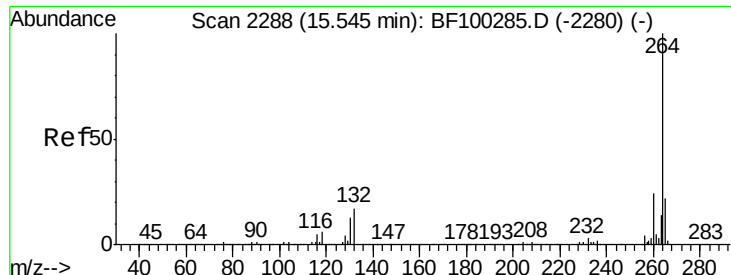
12.99

12.90

13.00

Time-->

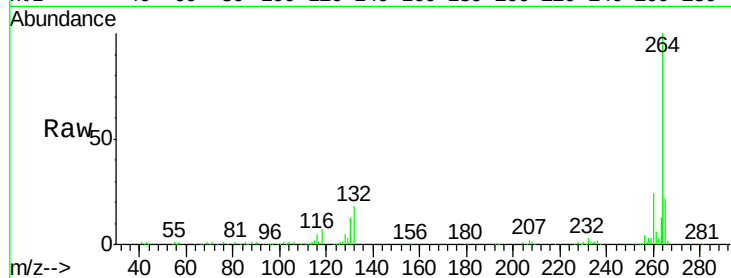




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100716.D
Acq: 18 Nov 2017 12:10

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	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

