

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100616.D
 Acq On : 16 Nov 2017 4:47
 Operator : SJ/JU
 Sample : I6465-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 06:52:16 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

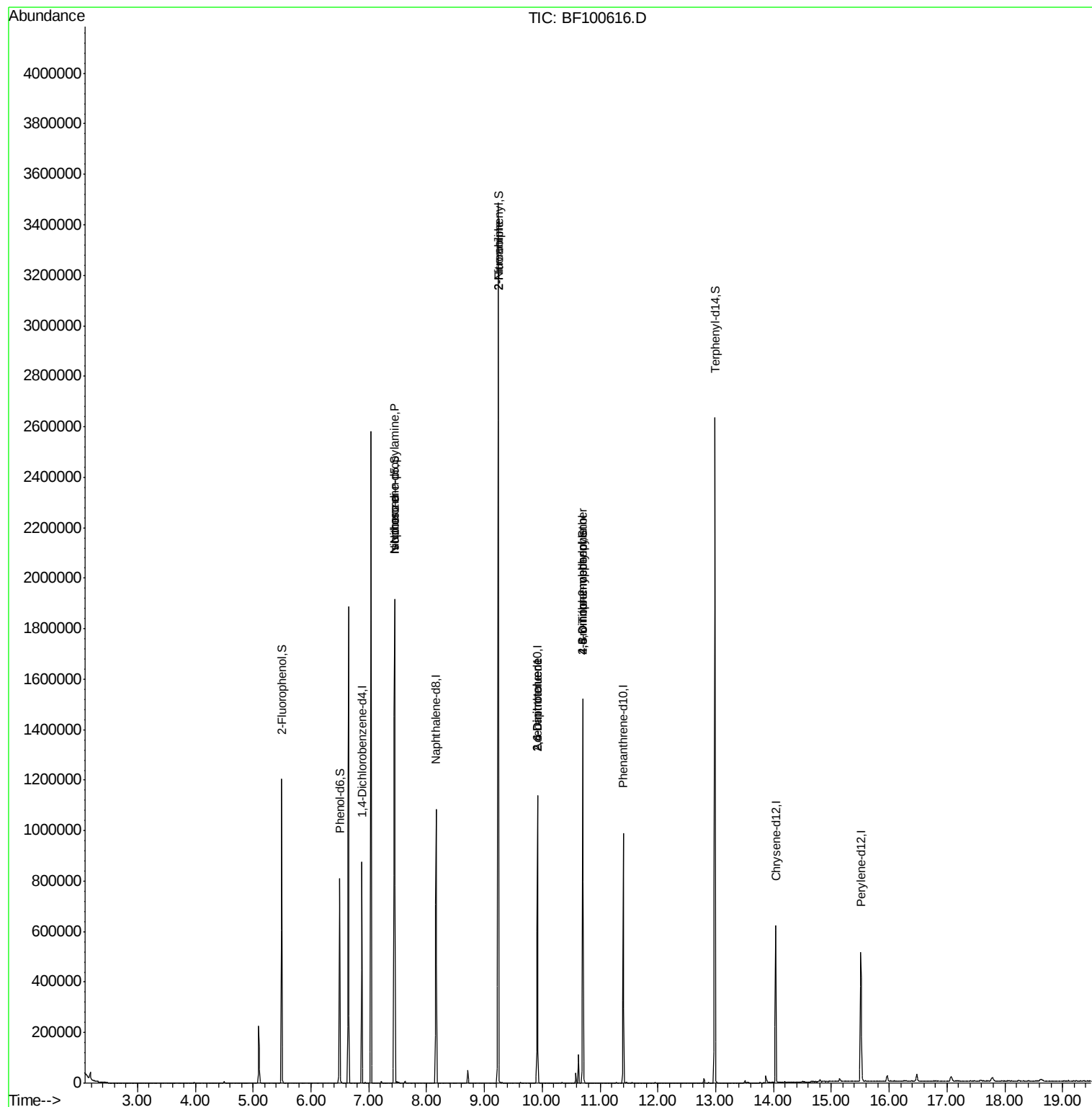
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	118999	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	457766	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	207370	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	374639	20.00	ng	0.00
75) Chrysene-d12	14.04	240	226951	20.00	ng	-0.01
86) Perylene-d12	15.51	264	238516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	318557	42.91	ng	0.00
7) Phenol-d6	6.50	99	247136	27.00	ng	-0.02
23) Nitrobenzene-d5	7.45	82	652632	94.26	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	183822	86.99	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1224917	89.95	ng	0.00
78) Terphenyl-d14	12.99	244	902333	91.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	86056	13.56	ng	# 78
25) Isophorone	7.45	82	652271	44.83	ng	# 64
47) 2-Nitroaniline	9.24	65	1762	3.22	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	26778	8.54	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	26778	6.77	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.70	198	207	8.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11158	2.78	ng	# 1

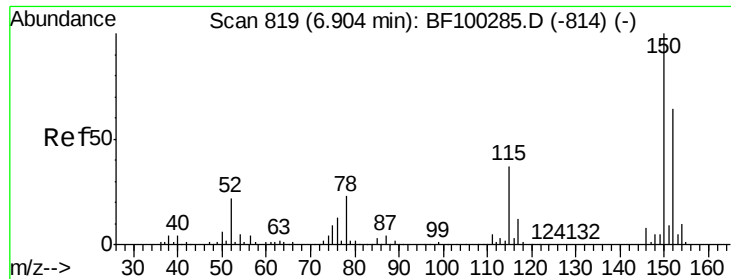
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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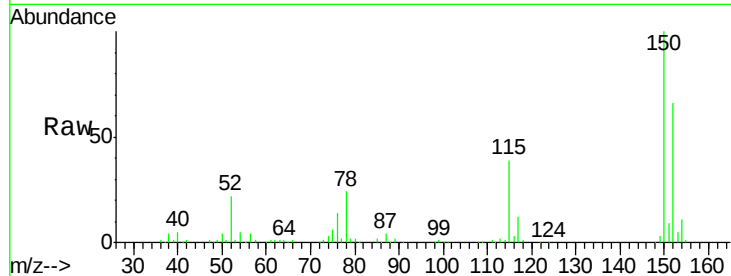


#1

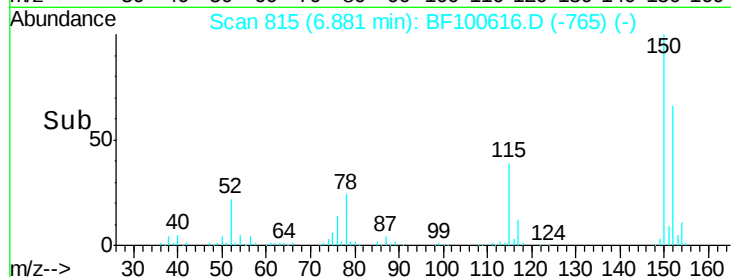
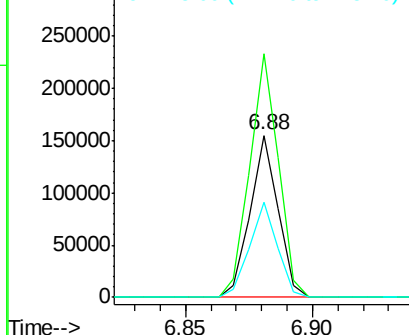
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118999
Ion Ratio Lower Upper
152 100
150 150.4 124.6 186.8
115 58.8 50.1 75.1



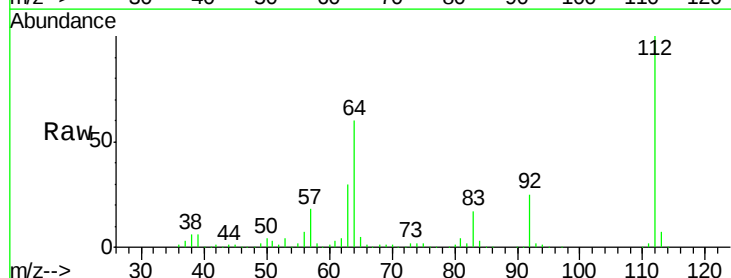
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



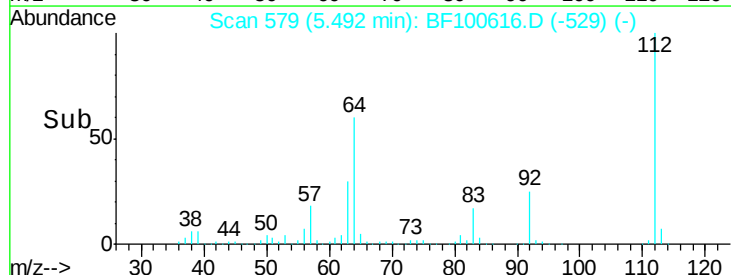
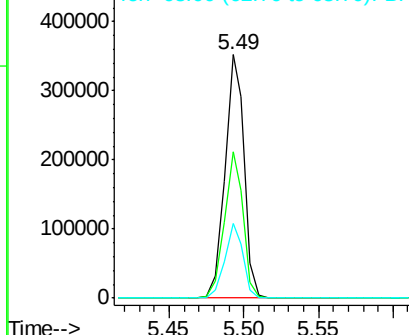
#5

2-Fluorophenol
Concen: 42.91 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Tgt Ion:112 Resp: 318557
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 30.4 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: 27.00 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

Instrument :

BNA_F

ClientSampleId :

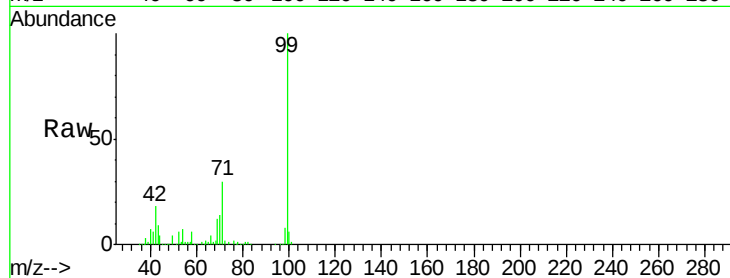
Tot Ion: 99 Resp: 247136

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

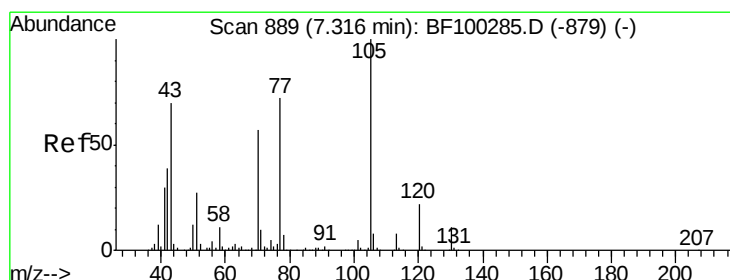
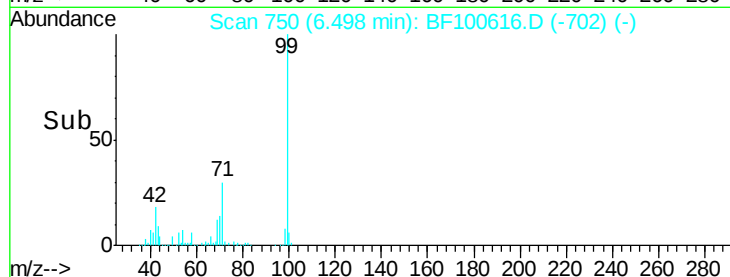
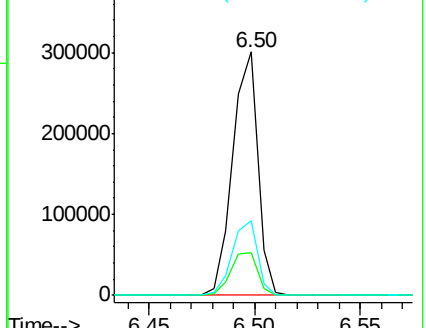
71 30.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.56 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

Tgt Ion: 70 Resp: 86056

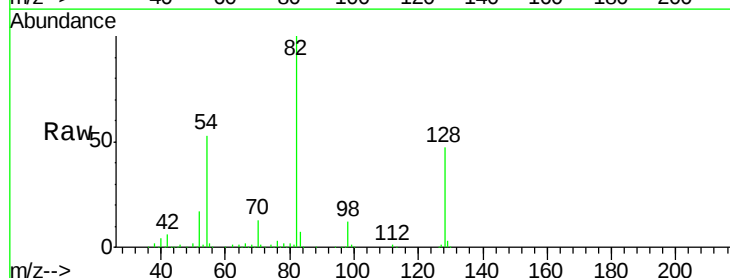
Ion Ratio Lower Upper

70 100

42 48.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

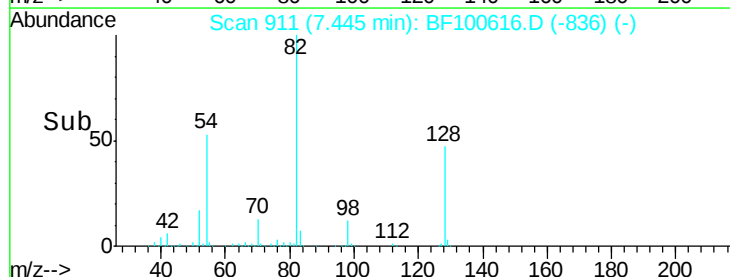
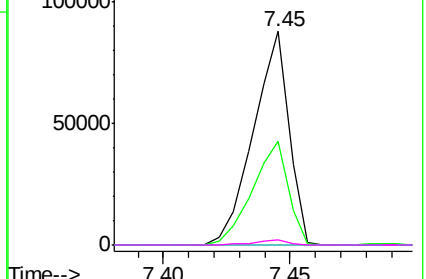


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

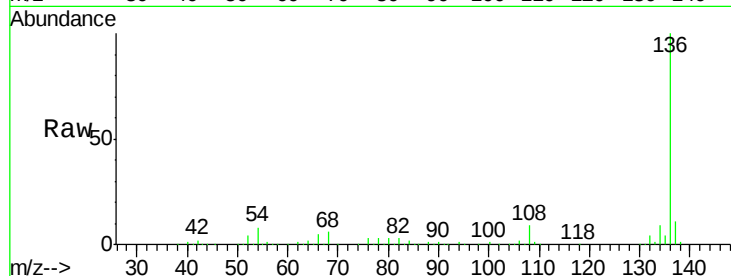




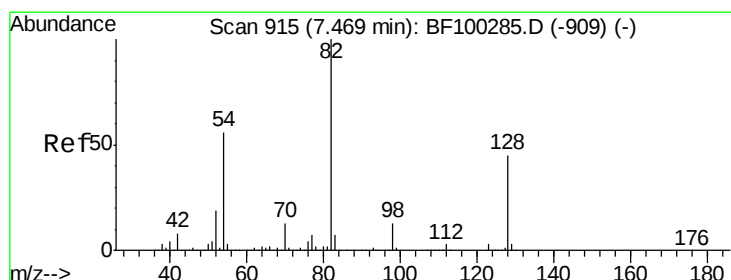
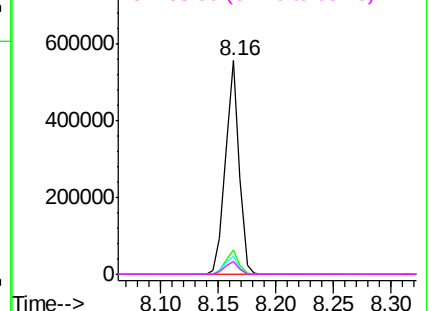
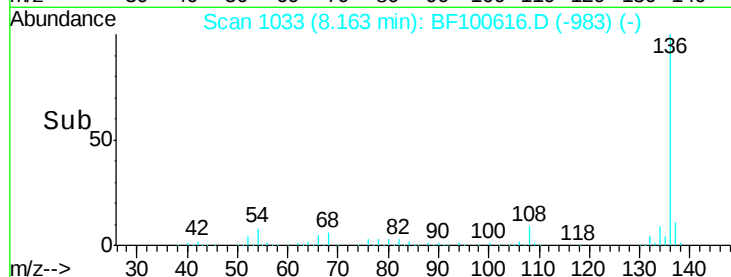
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	457766
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.4	6.6 9.8
68	5.9	5.0 7.4

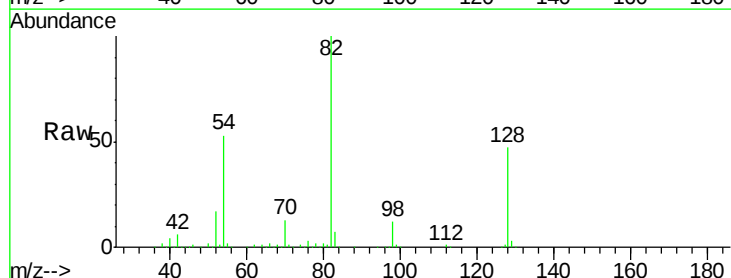


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

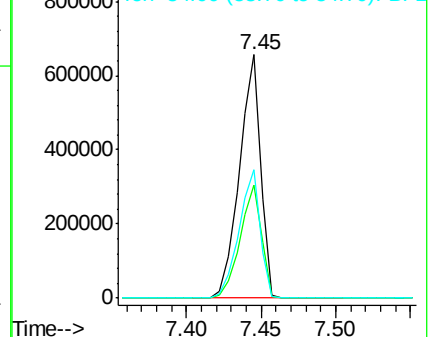
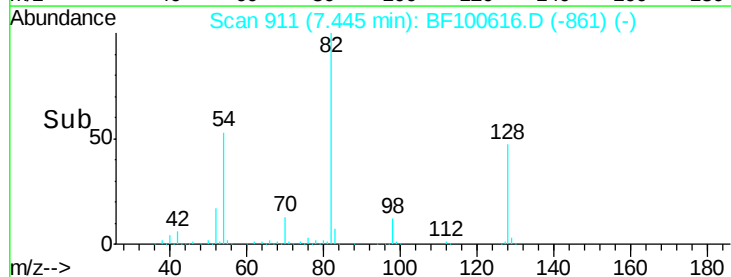


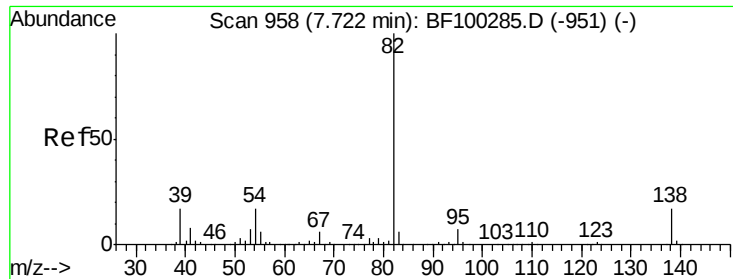
#23
Nitrobenzene-d5
Concen: 94.26 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Tgt Ion: 82	Resp:	652632
Ion Ratio	Lower	Upper
82	100	
128	46.7	36.1 54.1
54	53.0	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: 44.83 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

Instrument :

BNA_F

ClientSampleId :

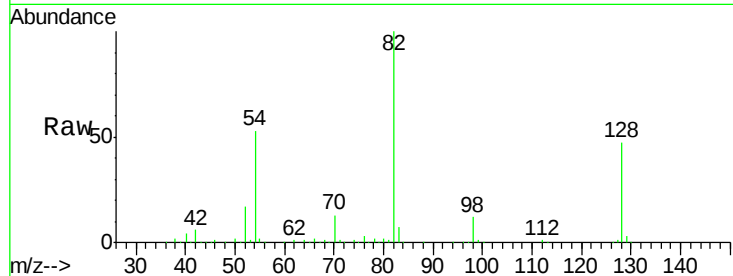
Tot Ion: 82 Resp: 652271

Ion Ratio Lower Upper

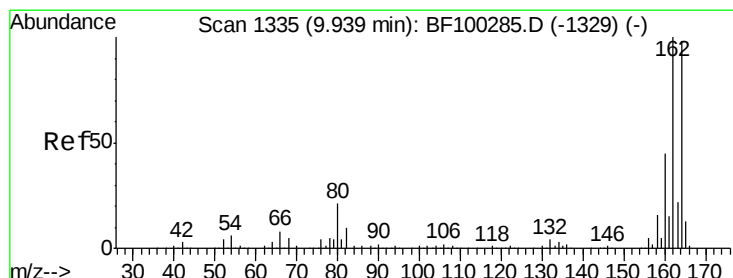
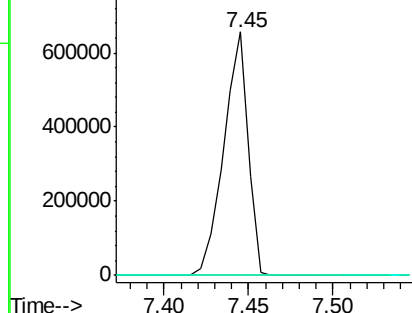
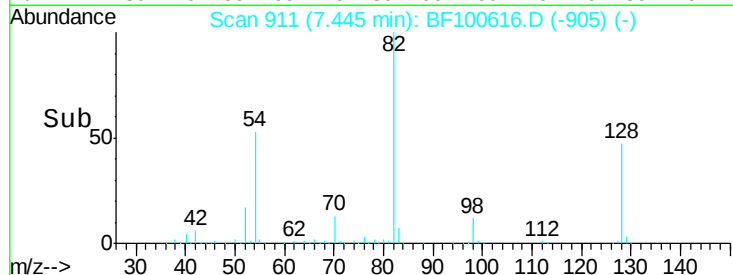
82 100

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# 1331

Delta R.T. -0.01 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

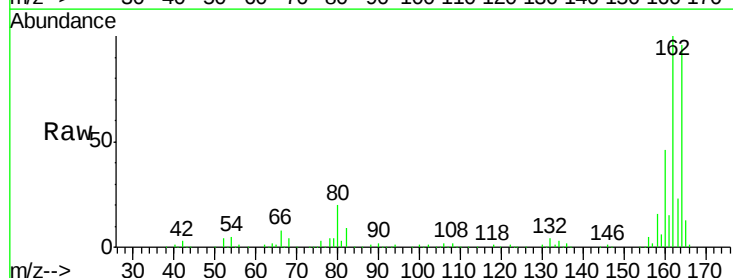
Tgt Ion: 164 Resp: 207370

Ion Ratio Lower Upper

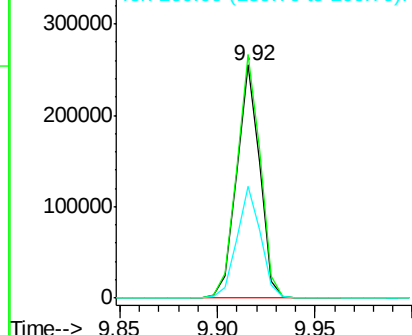
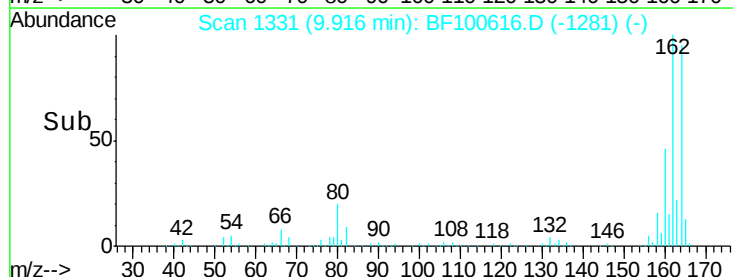
164 100

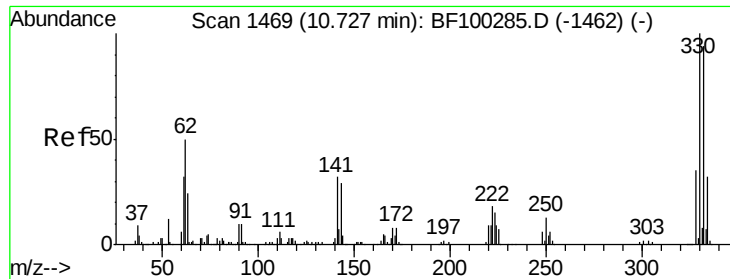
162 104.6 86.1 129.1

160 48.3 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

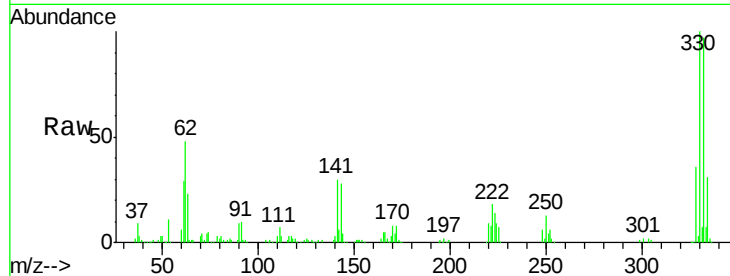




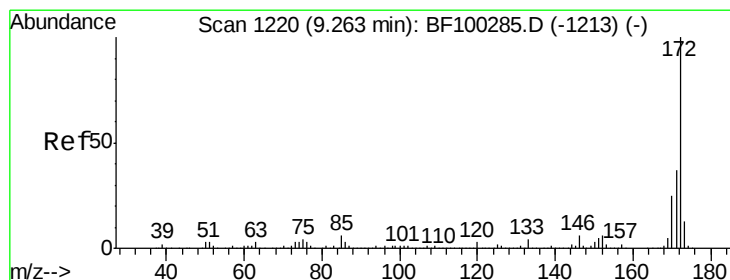
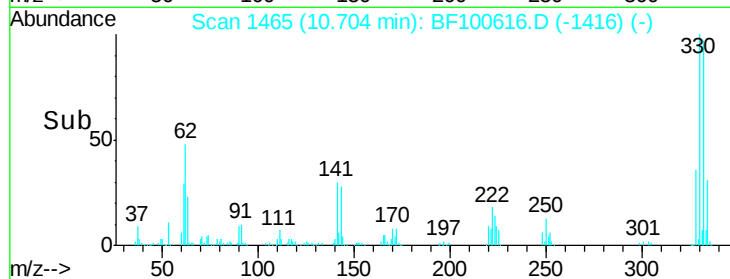
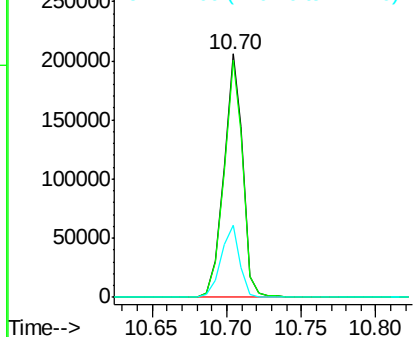
#41
 2,4,6-Tribromophenol
 Concen: 86.99 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100616.D
 Acq: 16 Nov 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.2	29.9	44.9#

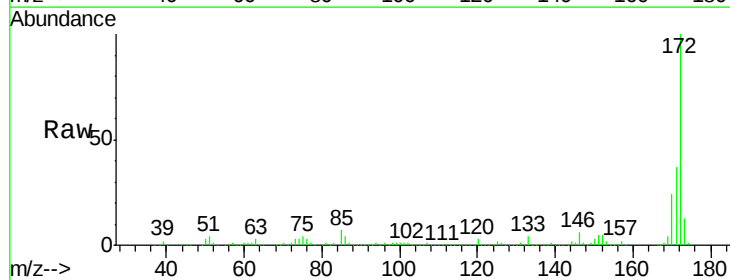


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

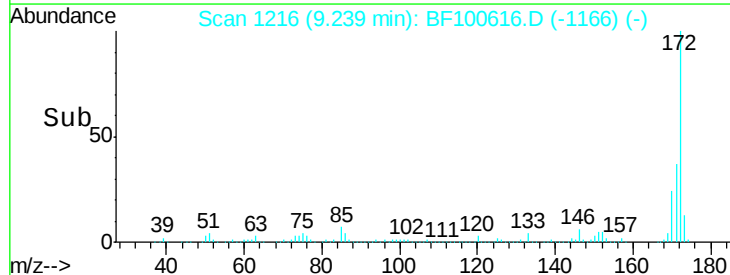
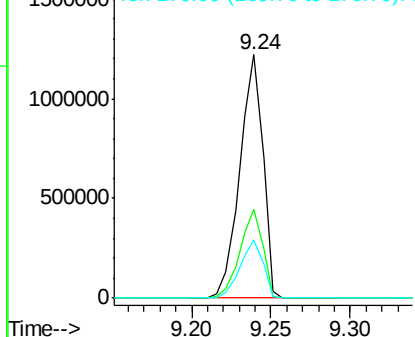


#44
 2-Fluorobiphenyl
 Concen: 89.95 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100616.D
 Acq: 16 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	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

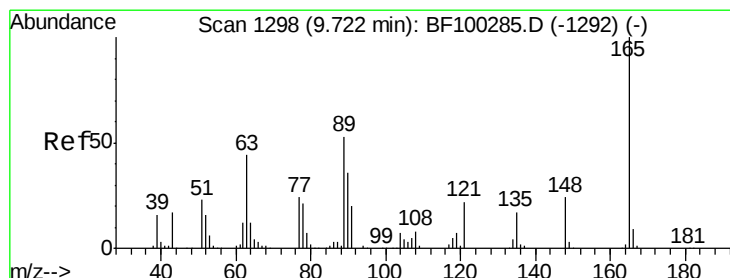
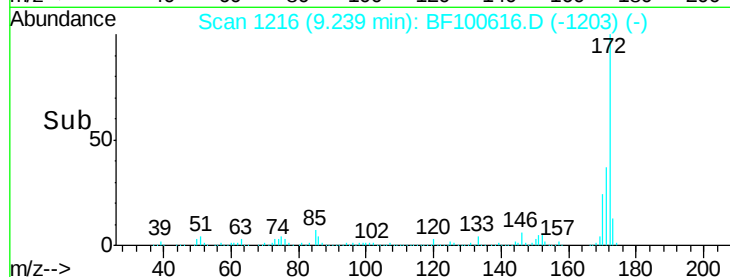
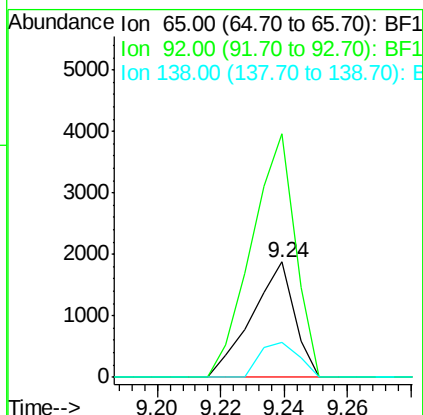
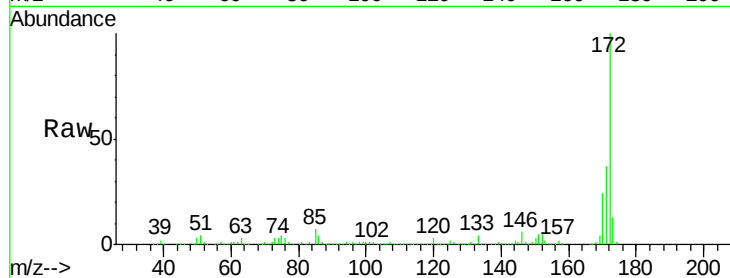




#47
2-Nitroaniline
Concen: 3.22 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.22 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

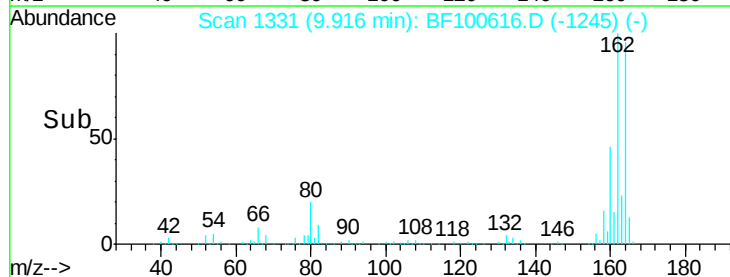
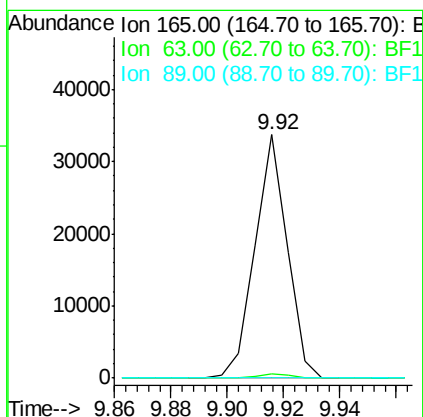
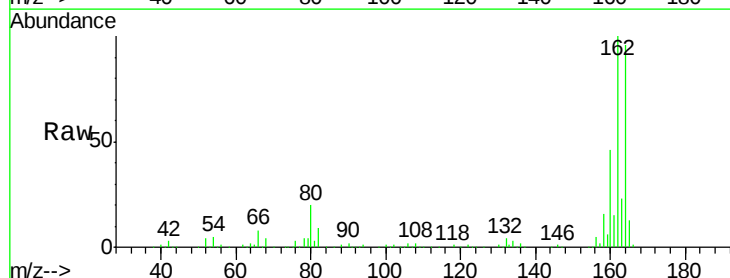
Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 1762
Ion Ratio Lower Upper
65 100
92 211.7 55.8 83.6#
138 30.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.54 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Tgt Ion:165 Resp: 26778
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 0.0 44.0 66.0#

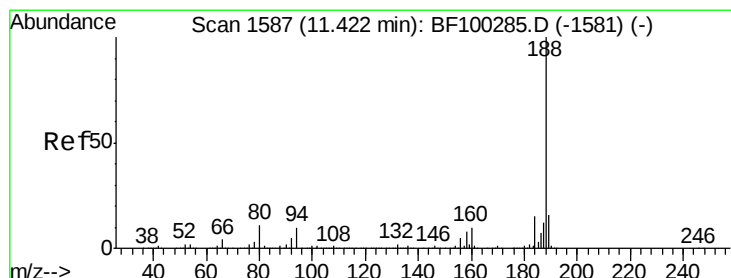
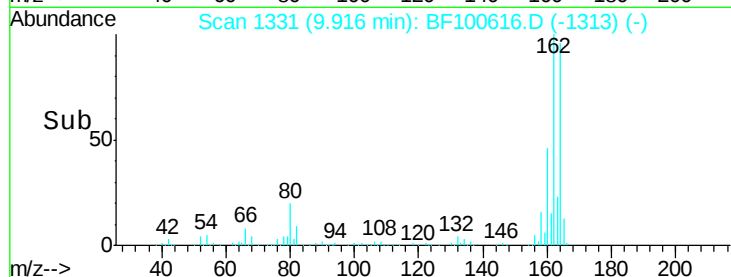
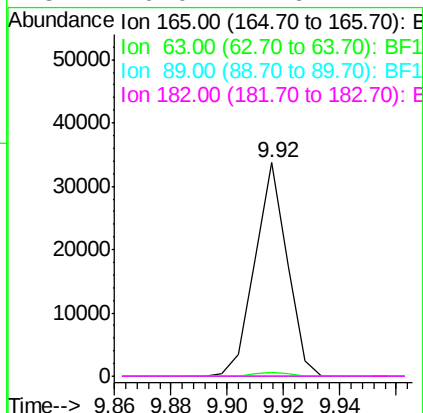
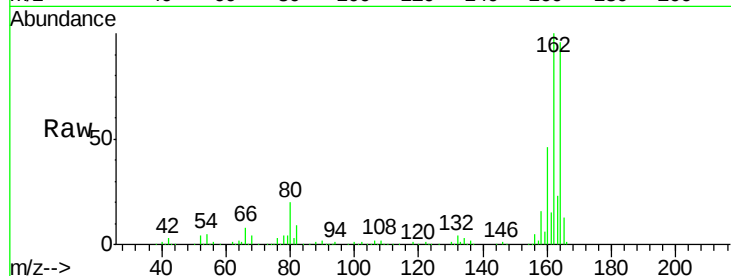




#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100616.D
 Acq: 16 Nov 2017 4:47

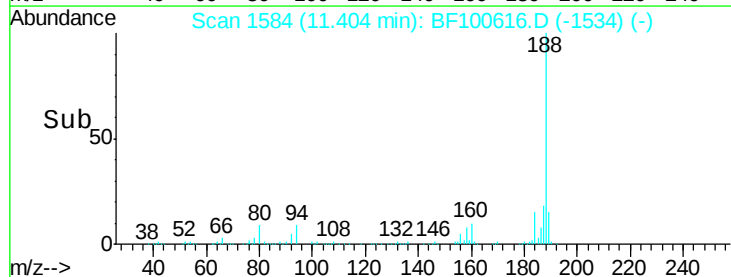
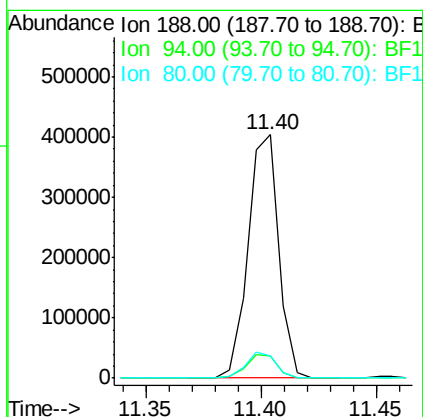
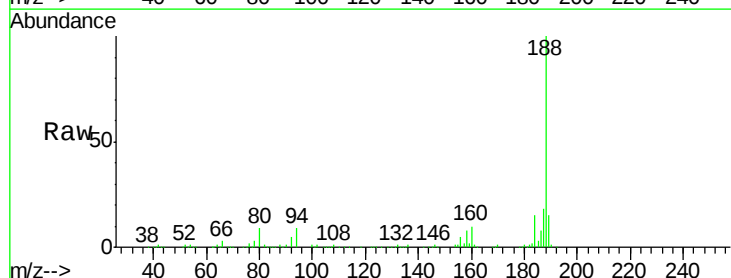
Instrument :
 BNA_F
 ClientSampled :

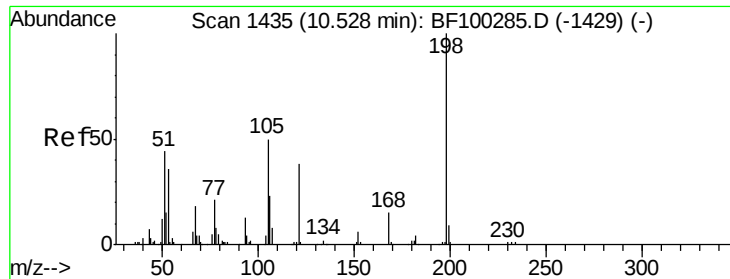
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100616.D
 Acq: 16 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.0	9.2	13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.66 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

Instrument :

BNA_F

ClientSampleId :

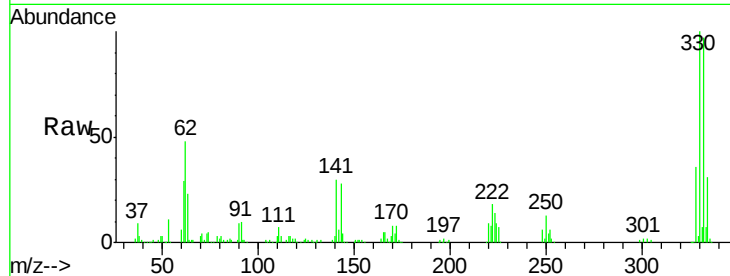
Tot Ion:198 Resp: 207

Ion Ratio Lower Upper

198 100

51 169.0 37.7 77.7#

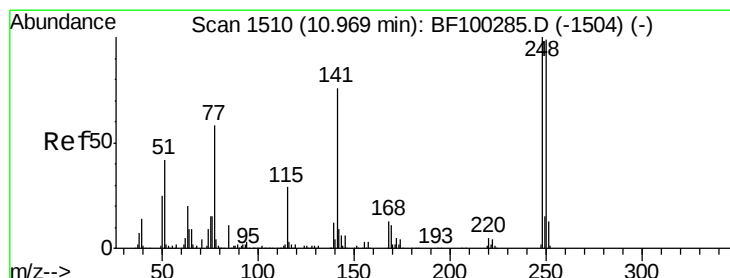
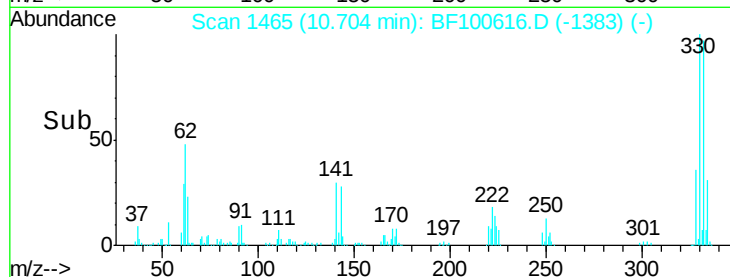
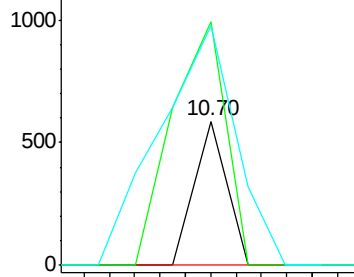
105 166.1 36.3 76.3#



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: 2.78 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

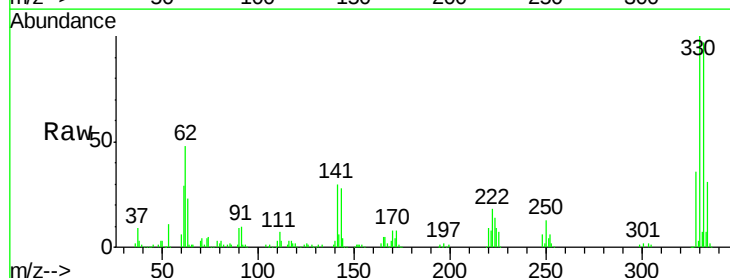
Tgt Ion:248 Resp: 11158

Ion Ratio Lower Upper

248 100

250 211.8 76.9 115.3#

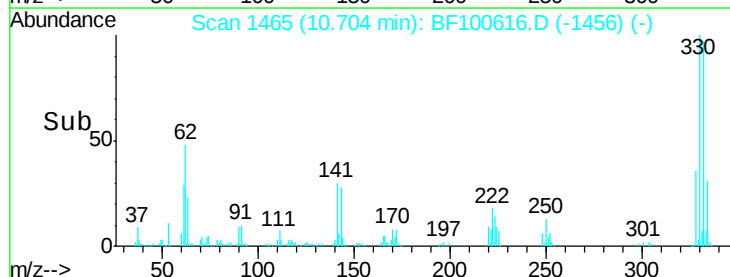
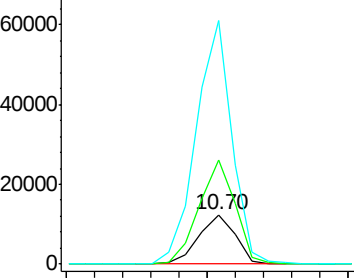
141 493.6 74.4 111.6#

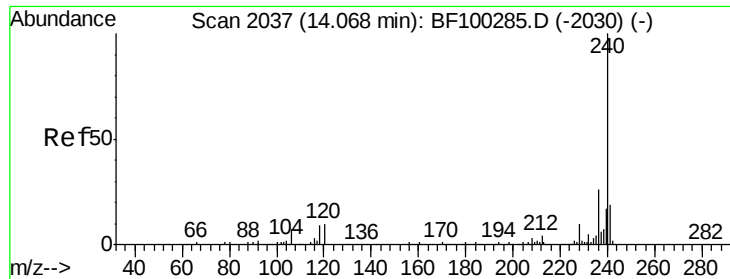


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF100616.D

Acq: 16 Nov 2017 4:47

Instrument :

BNA_F

ClientSampleId :

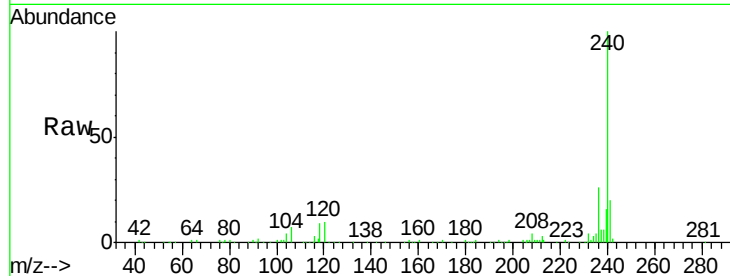
Tot Ion:240 Resp: 226951

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

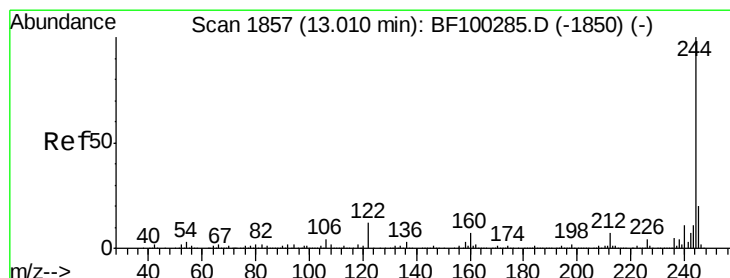
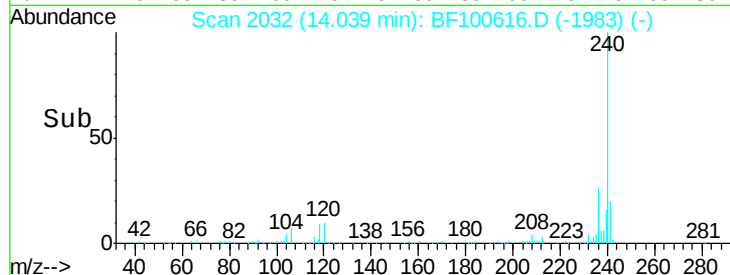
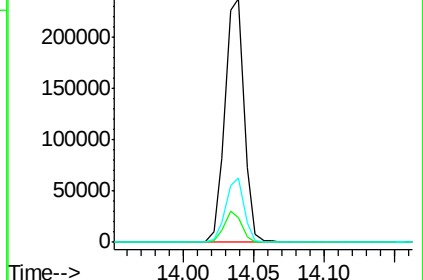
236 26.4 20.7 31.1



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: 91.35 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100616.D

Acq: 16 Nov 2017 4:47

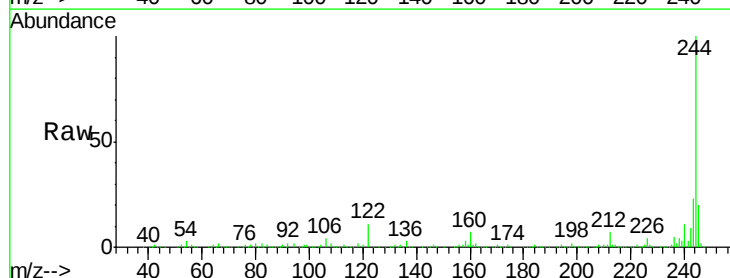
Tgt Ion:244 Resp: 902333

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

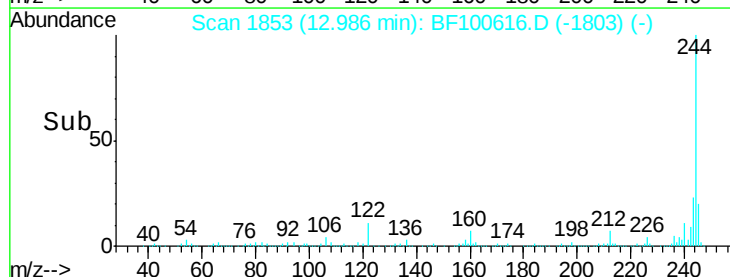
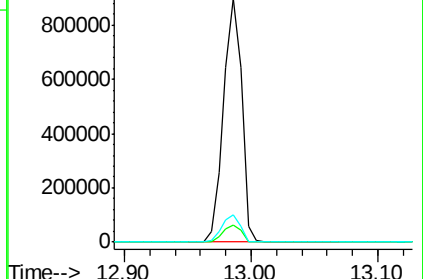
122 11.5 11.0 16.4

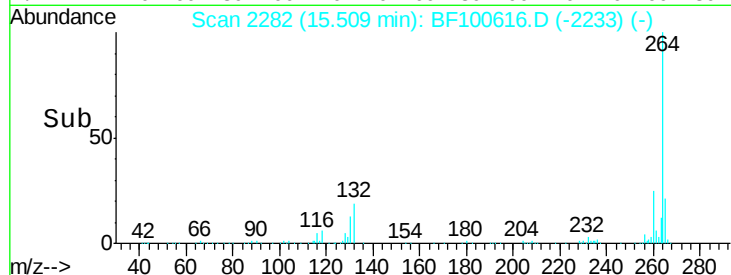
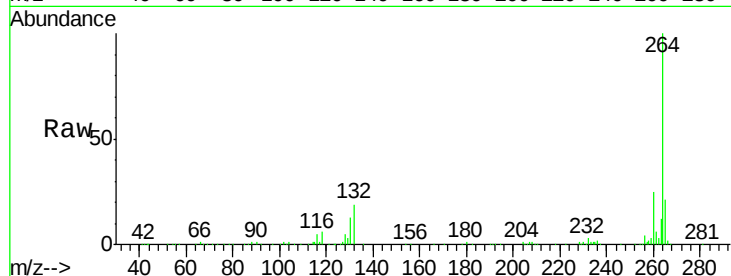
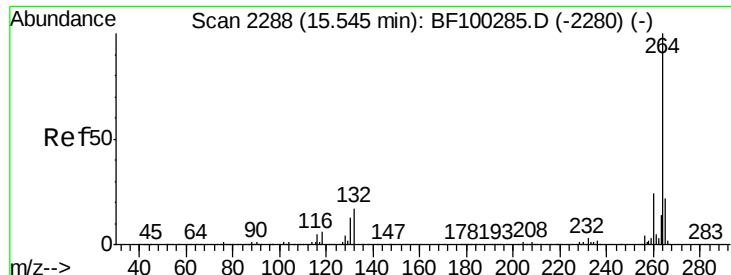


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100616.D
Acq: 16 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	238516
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.4	17.5	26.3

