

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100346.D
 Acq On : 9 Nov 2017 17:53
 Operator : SJ/JU
 Sample : PB103997BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:24:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	165838	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	667145	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	317632	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	646204	20.00	ng	0.00
75) Chrysene-d12	14.06	240	541625	20.00	ng	0.00
86) Perylene-d12	15.54	264	422505	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1026619	99.23	ng	0.02
7) Phenol-d6	6.53	99	1250499	98.02	ng	0.00
23) Nitrobenzene-d5	7.46	82	790104	78.30	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	347153	107.26	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1499713	71.90	ng	0.00
78) Terphenyl-d14	13.02	244	1524093	64.66	ng	0.00

Target Compounds

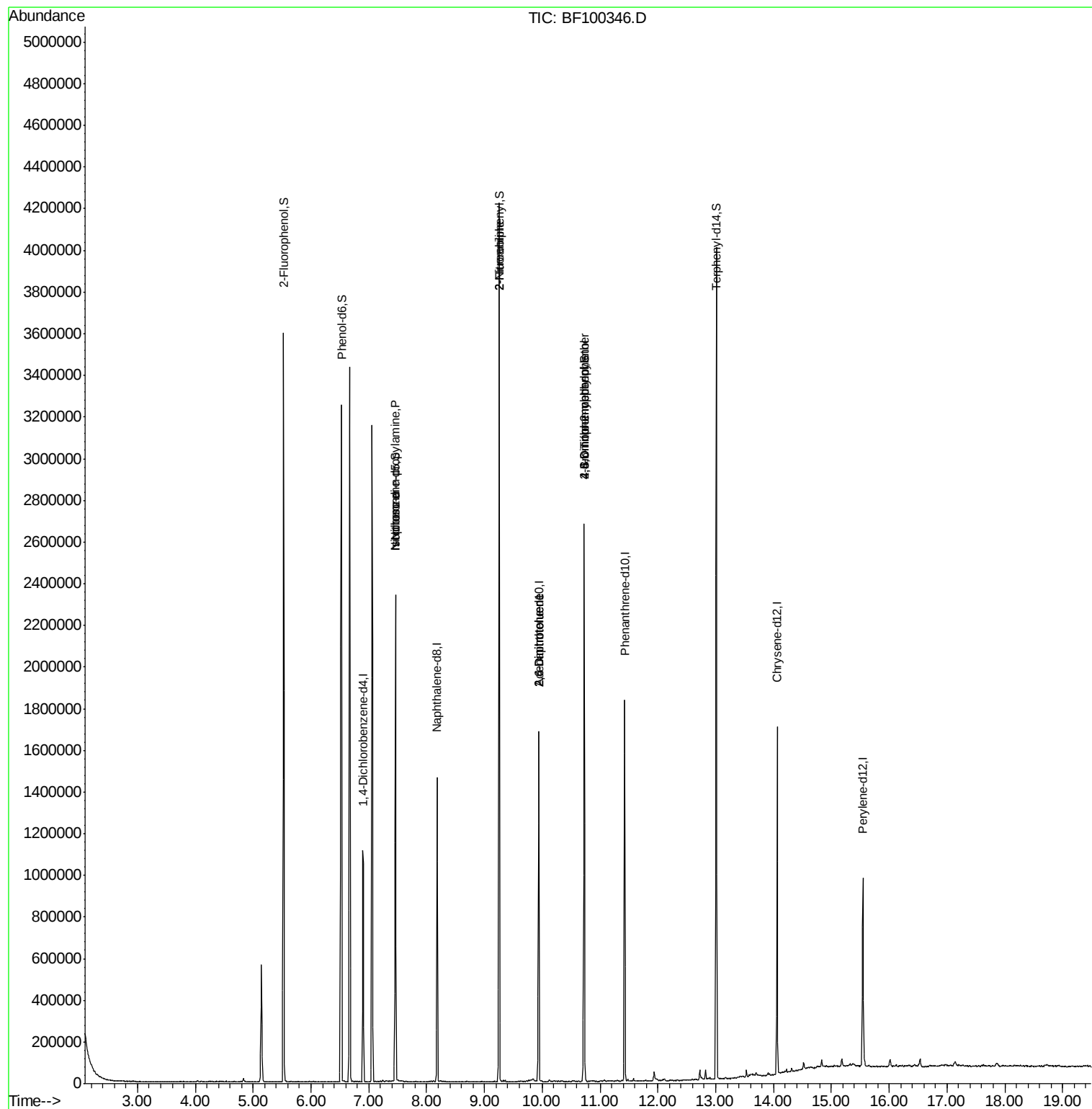
						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	102859	11.626	ng	# 81
25) Isophorone	7.46	82	789606	37.236	ng	# 64
47) 2-Nitroaniline	9.26	65	2341	3.158	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	40980	8.537	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	40980	6.767	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	701	8.746	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	21348	3.082	ng	# 1

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

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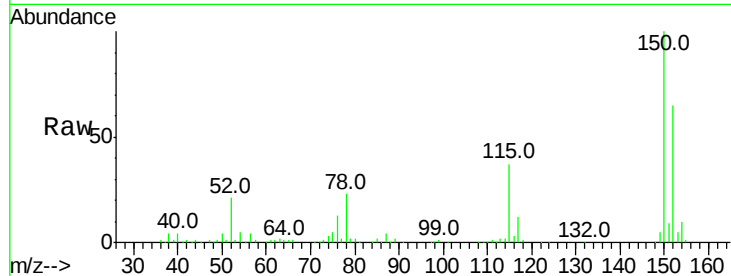


#1

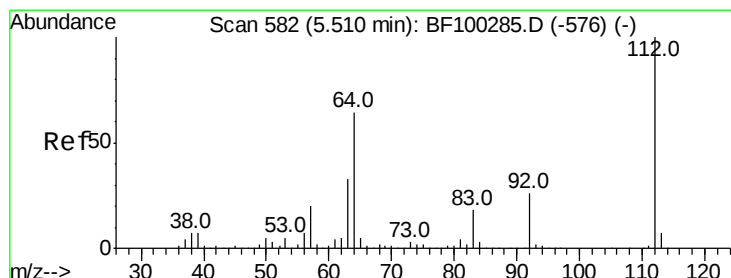
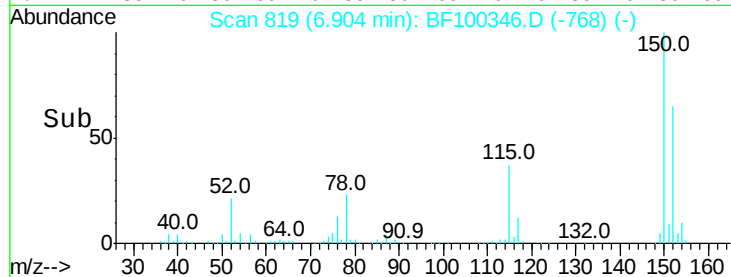
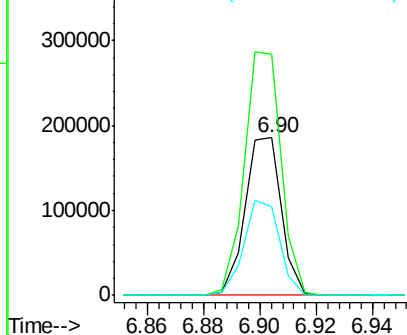
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165838
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 56.6 50.1 75.1



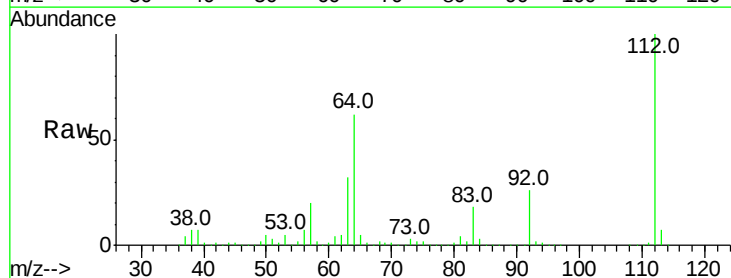
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



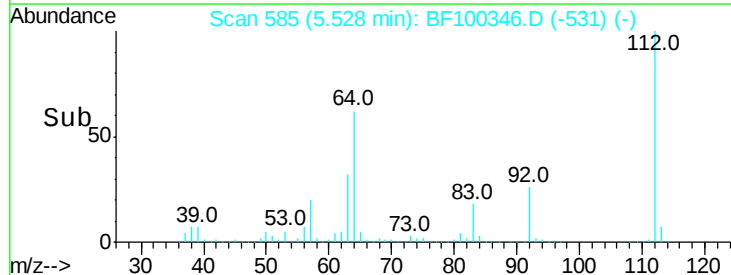
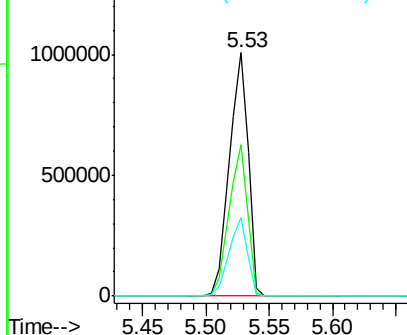
#5

2-Fluorophenol
Concen: 99.233 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

Tgt Ion:112 Resp: 1026619
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 32.3 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: 98.021 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

Instrument :

BNA_F

ClientSampled :

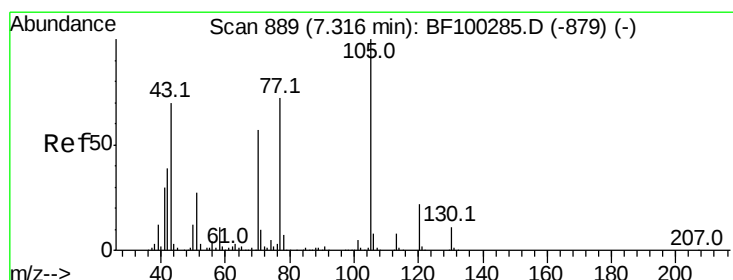
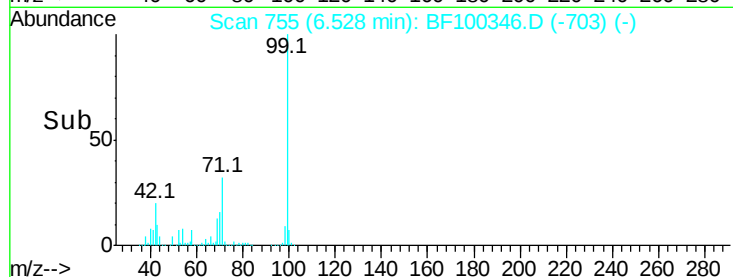
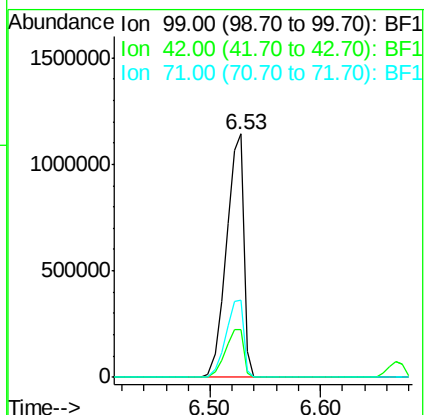
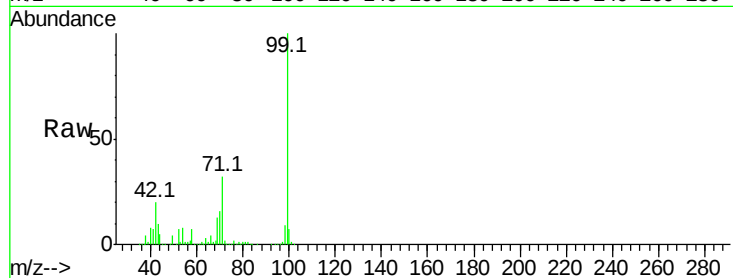
Tot Ion: 99 Resp: 1250499

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 31.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.626 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

Tgt Ion: 70 Resp: 102859

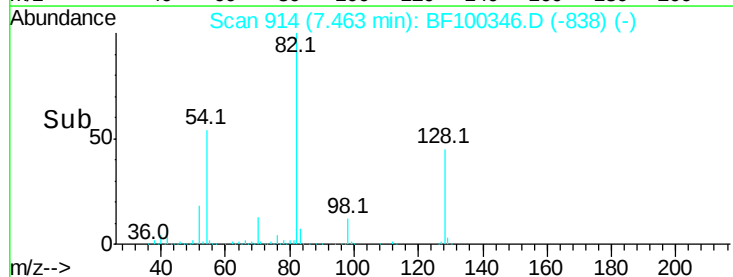
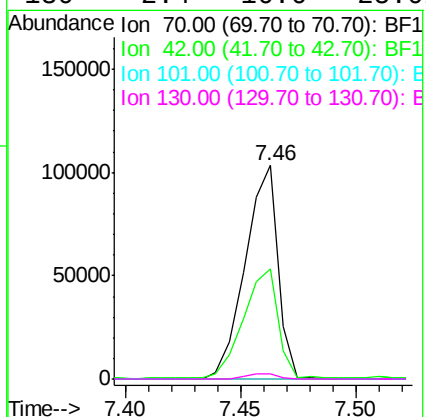
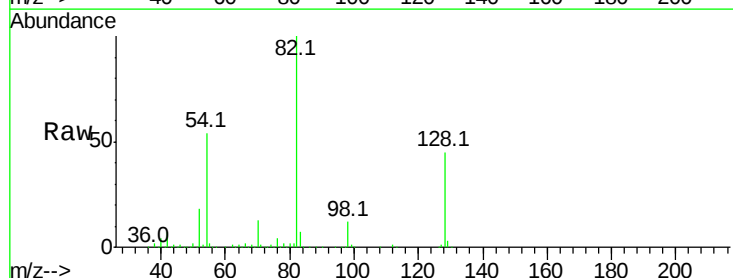
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

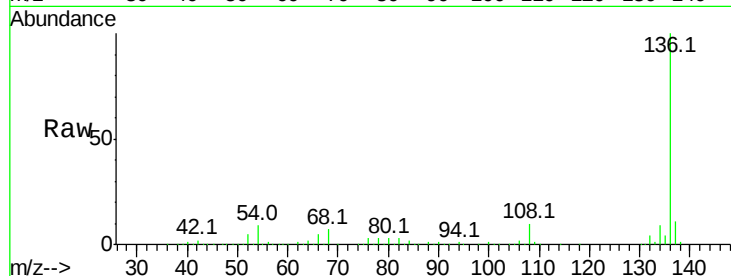




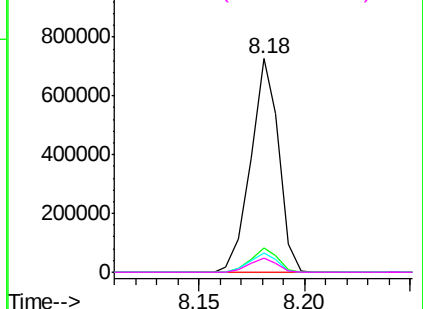
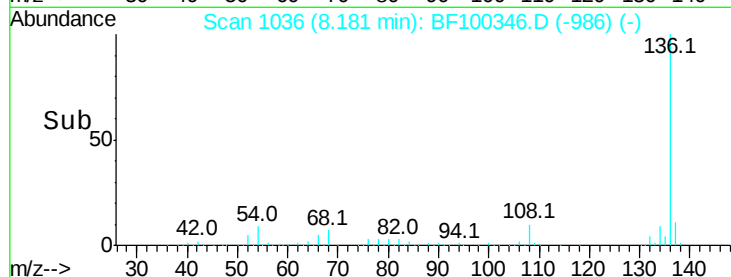
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 667145
Ion Ratio	Lower Upper
136 100	
137 11.2	8.9 13.3
54 9.0	6.6 9.8
68 6.8	5.0 7.4

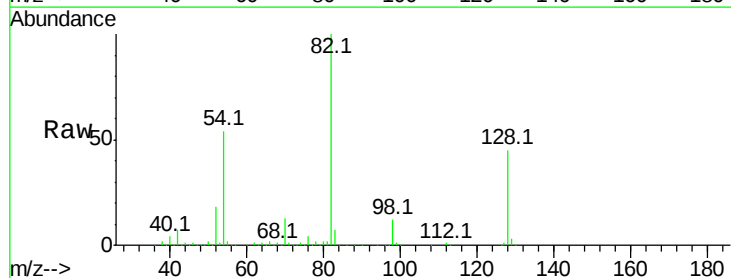


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

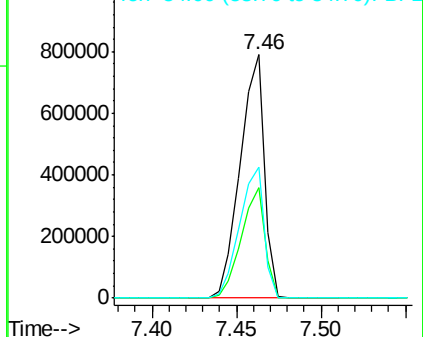
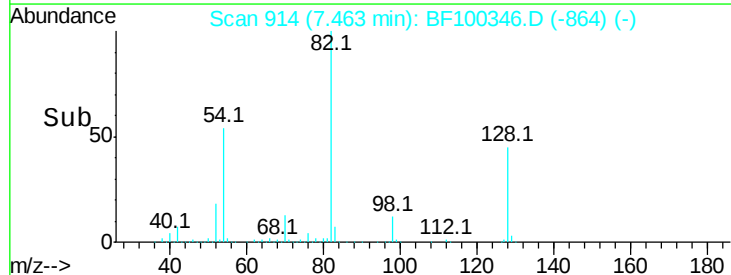


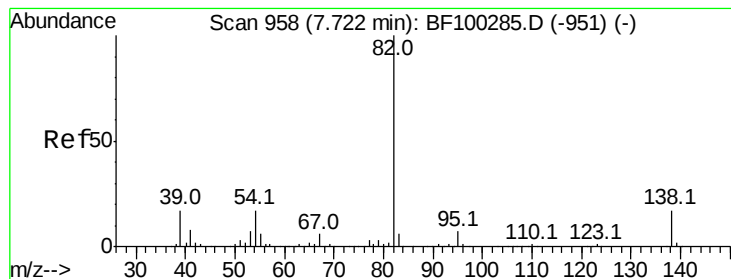
#23
Nitrobenzene-d5
Concen: 78.298 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

Tgt Ion: 82	Resp: 790104
Ion Ratio	Lower Upper
82 100	
128 45.5	36.1 54.1
54 54.0	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: 37.236 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

Instrument :

BNA_F

ClientSampleId :

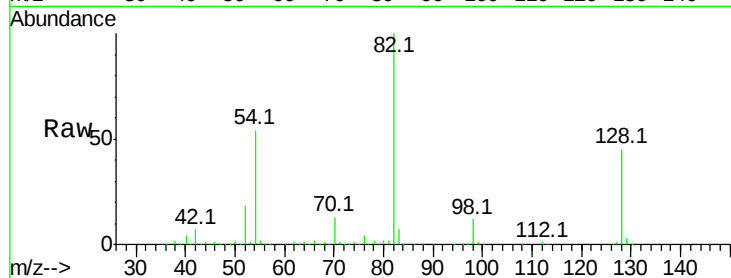
Tot Ion: 82 Resp: 789606

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

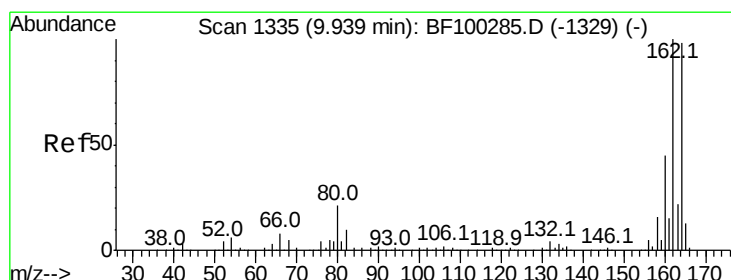
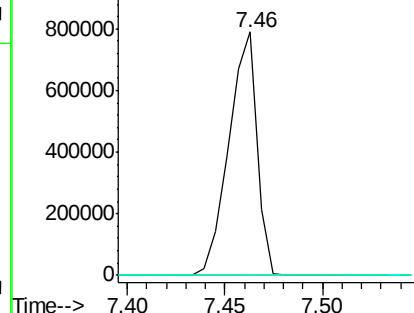
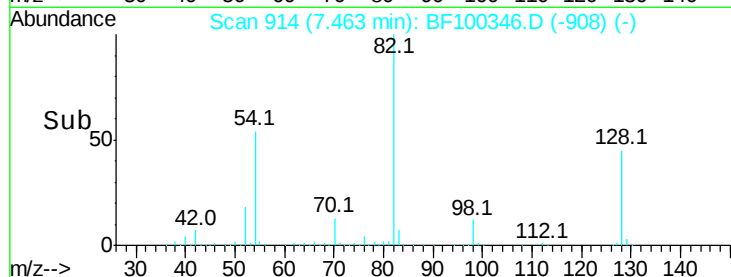
138 0.0 14.9 22.3#



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: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

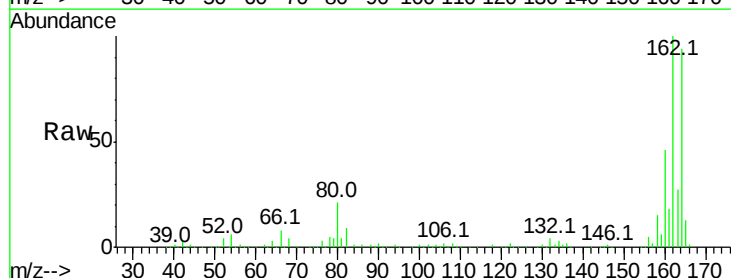
Tgt Ion:164 Resp: 317632

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

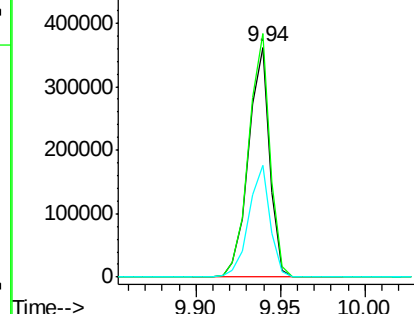
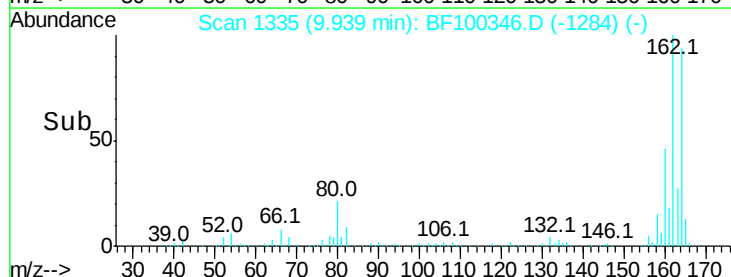
160 48.6 38.3 57.5

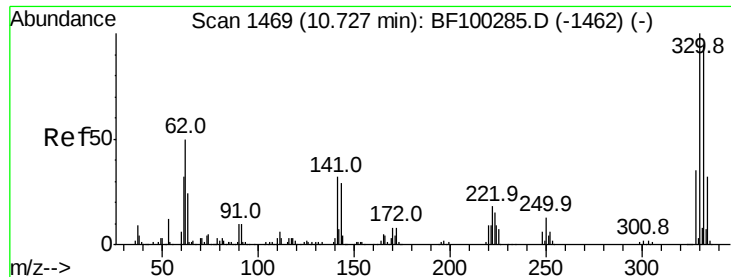


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

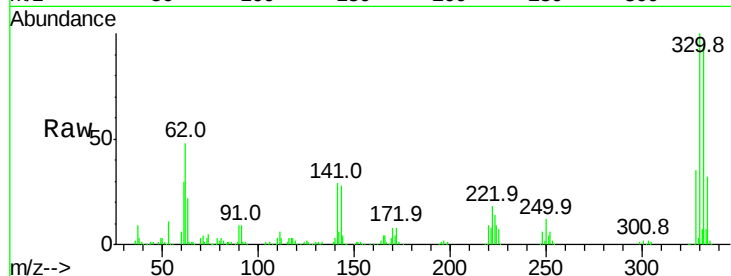




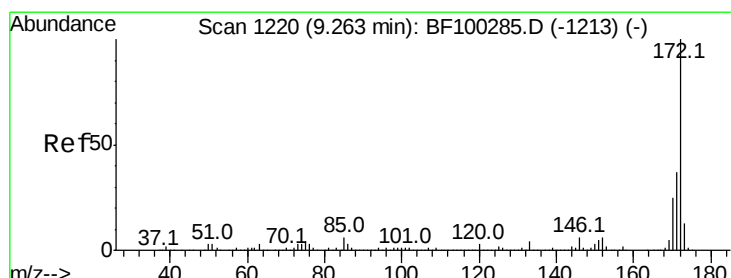
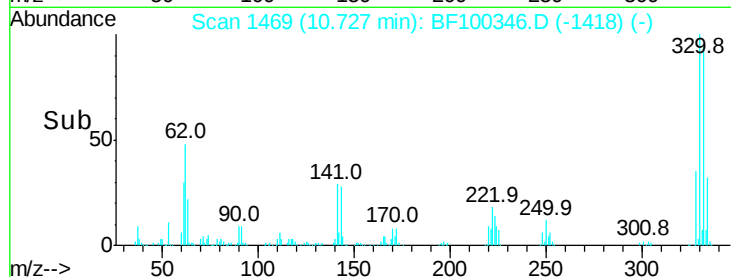
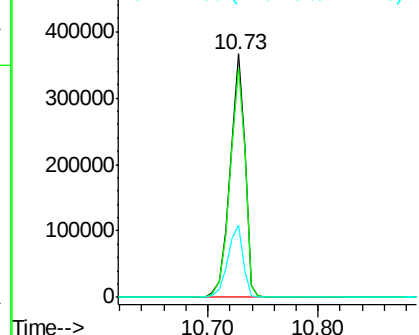
#41
 2,4,6-Tribromophenol
 Concen: 107.256 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100346.D
 Acq: 9 Nov 2017 17:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	30.6	29.9	44.9

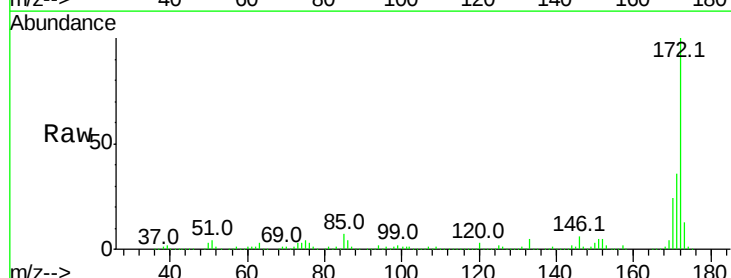


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

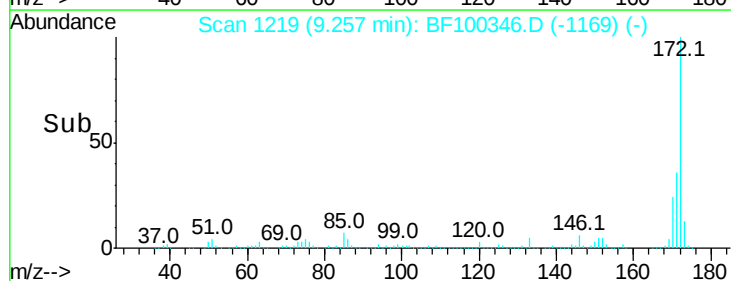
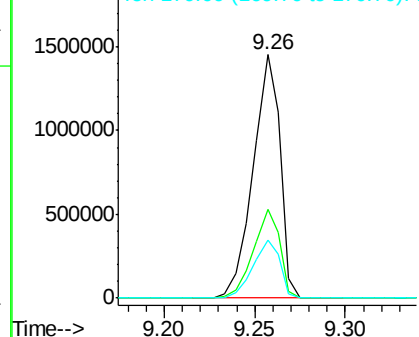


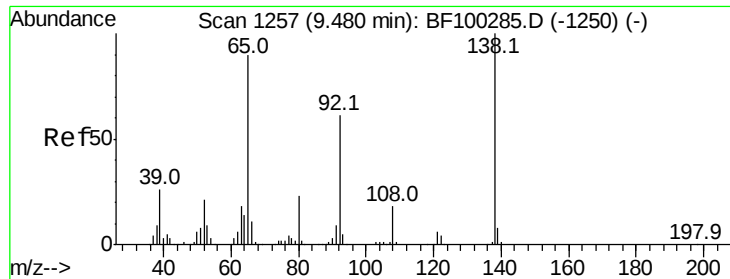
#44
 2-Fluorobiphenyl
 Concen: 71.895 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100346.D
 Acq: 9 Nov 2017 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	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

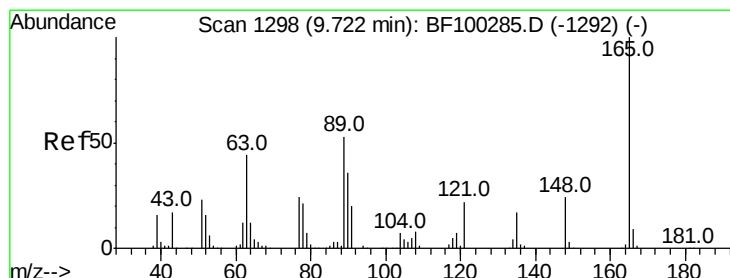
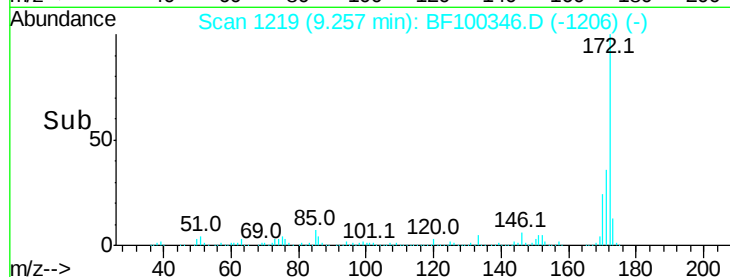
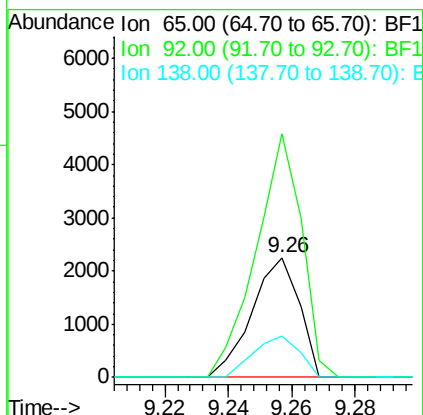
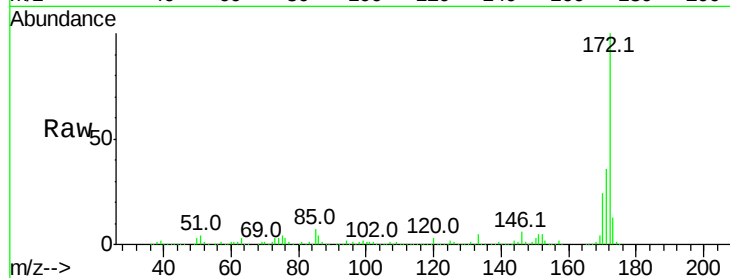




#47
2-Nitroaniline
Concen: 3.158 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

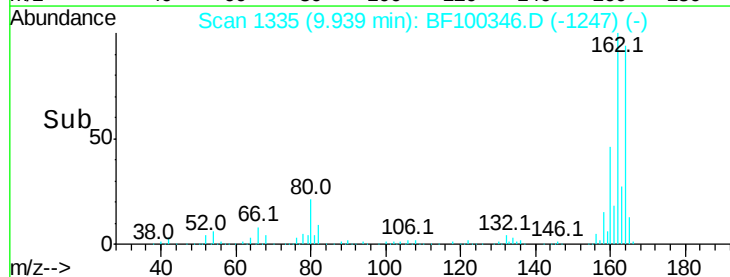
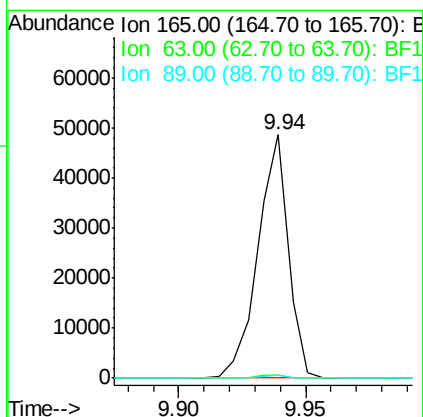
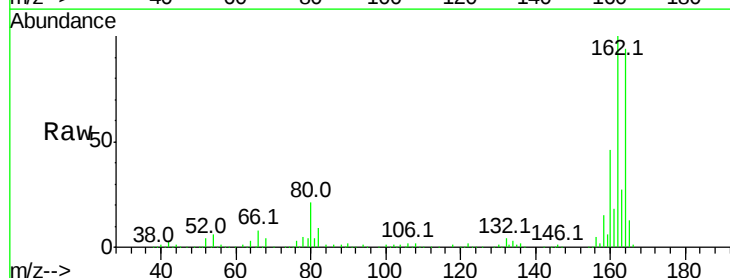
Instrument :
BNA_F
ClientSampled :

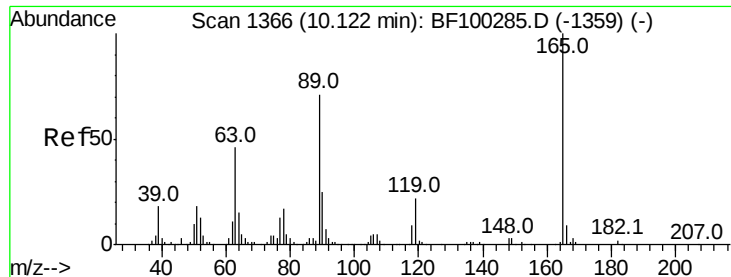
Tot Ion: 65 Resp: 2341
Ion Ratio Lower Upper
65 100
92 203.3 55.8 83.6#
138 34.2 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.537 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100346.D
Acq: 9 Nov 2017 17:53

Tgt Ion:165 Resp: 40980
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.1 44.0 66.0#

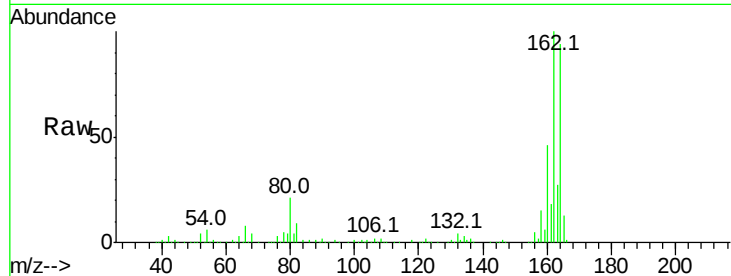




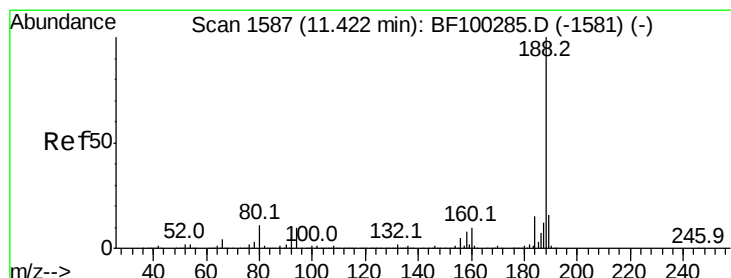
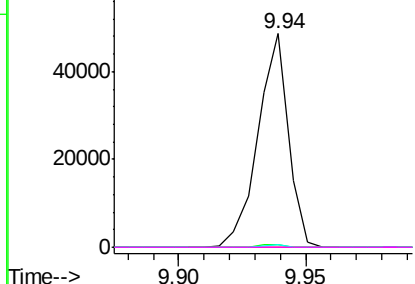
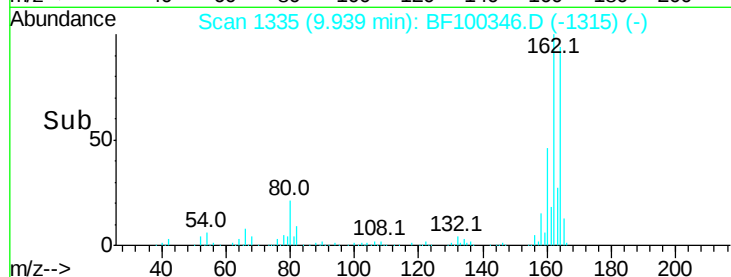
#56
 2,4-Dinitrotoluene
 Concen: 6.767 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100346.D
 Acq: 9 Nov 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 40980
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.1 57.8 86.6#
 182 0.0 1.6 2.4#

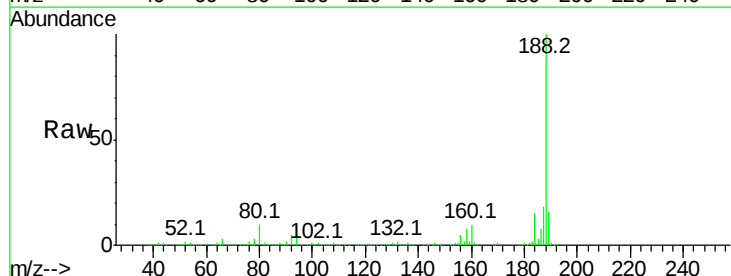


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

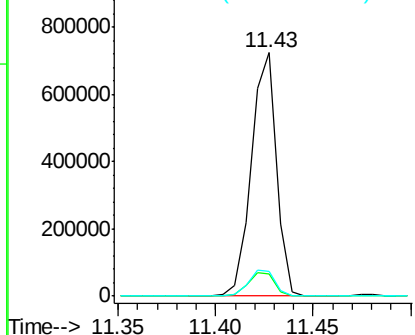
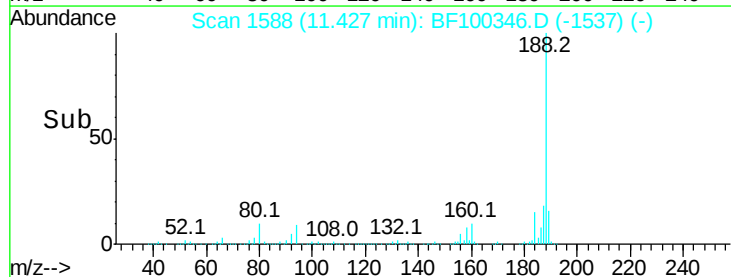


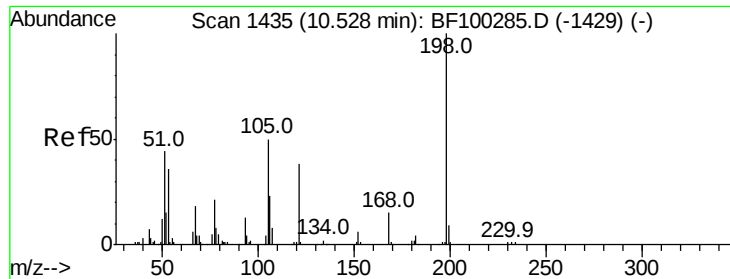
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF100346.D
 Acq: 9 Nov 2017 17:53

Tgt Ion:188 Resp: 646204
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 10.0 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: 8.746 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

Instrument :

BNA_F

ClientSampleId :

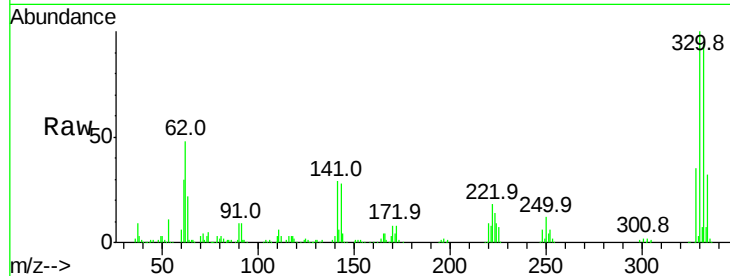
Tot Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 207.6 37.7 77.7#

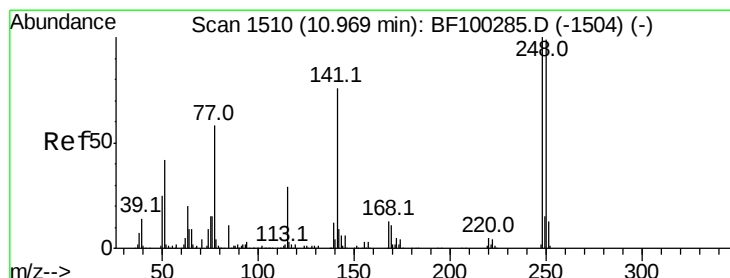
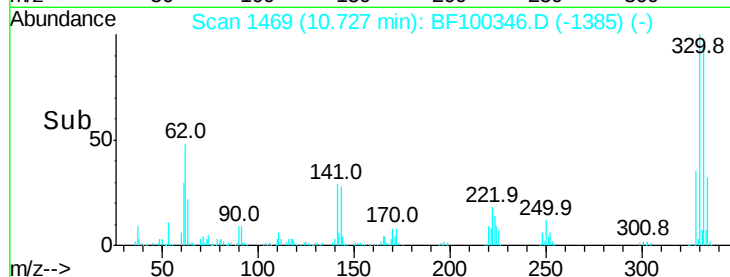
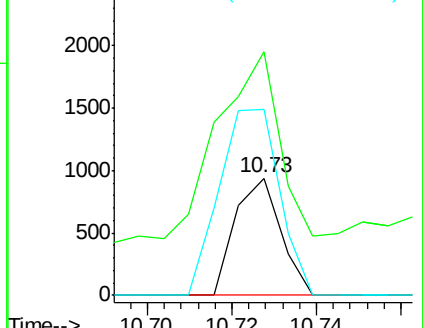
105 159.0 36.3 76.3#



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: 3.082 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

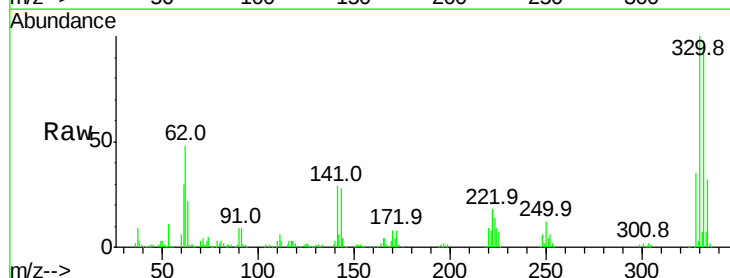
Tgt Ion:248 Resp: 21348

Ion Ratio Lower Upper

248 100

250 205.2 76.9 115.3#

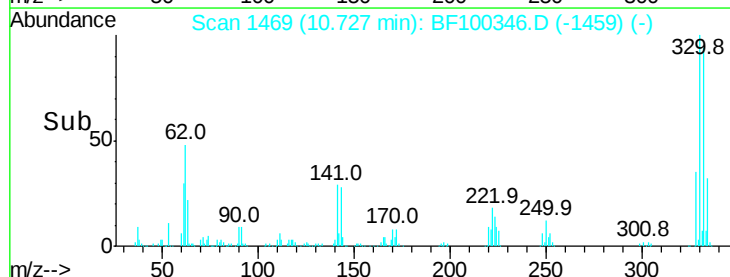
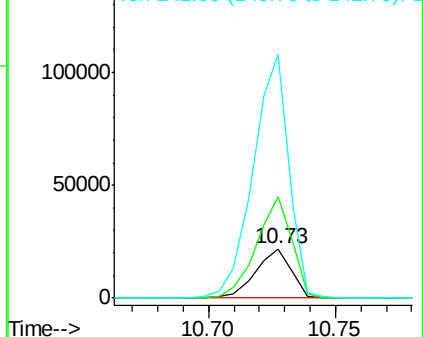
141 492.1 74.4 111.6#

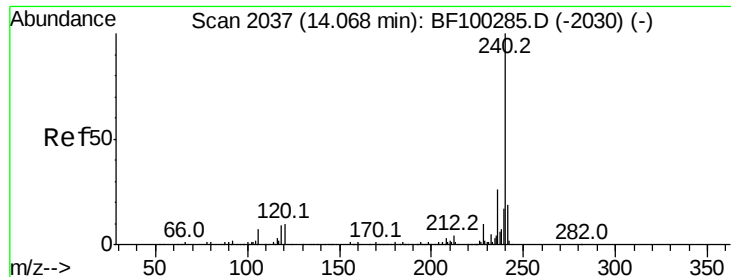


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

Instrument :

BNA_F

ClientSampleId :

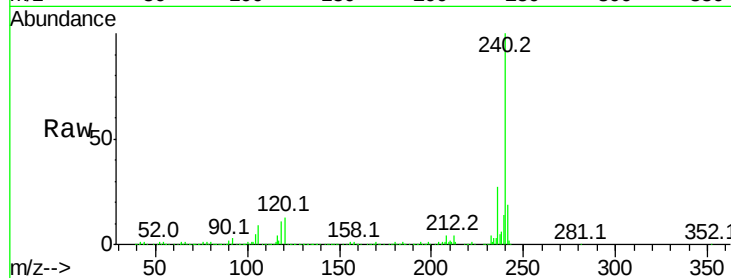
Tot Ion:240 Resp: 541625

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

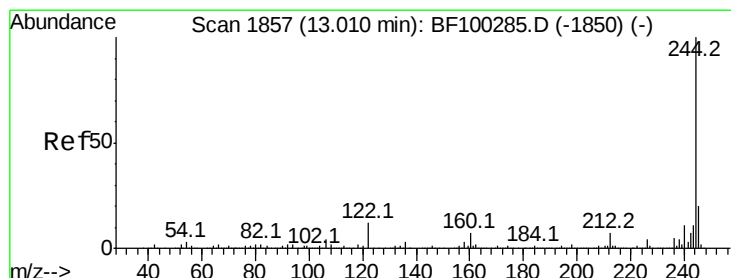
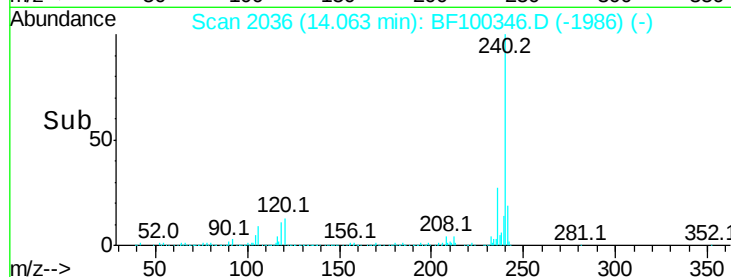
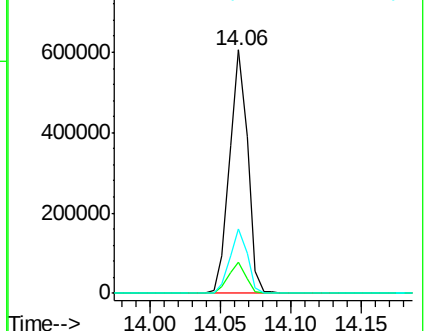
236 26.5 20.7 31.1



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: 64.656 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF100346.D

Acq: 9 Nov 2017 17:53

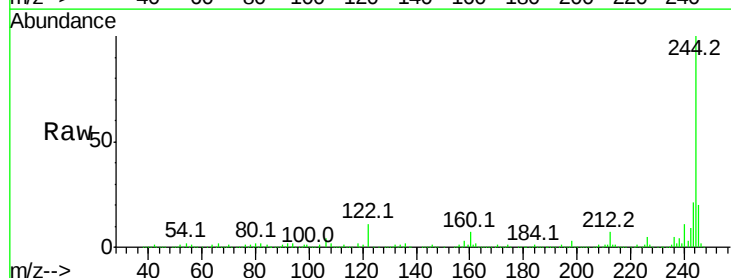
Tgt Ion:244 Resp: 1524093

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

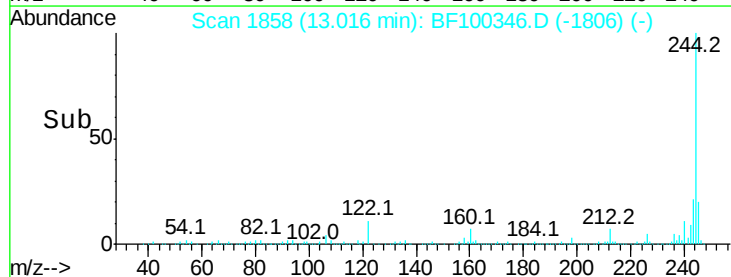
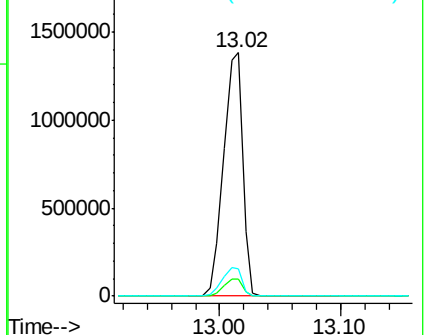
122 11.1 11.0 16.4

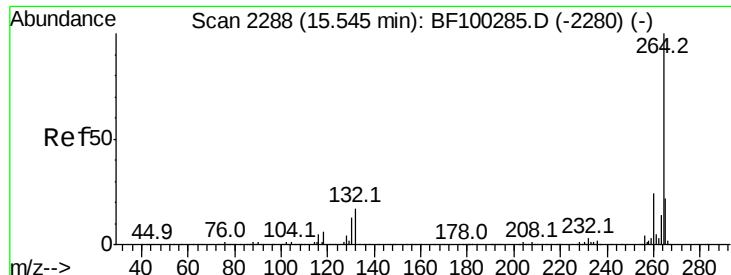


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

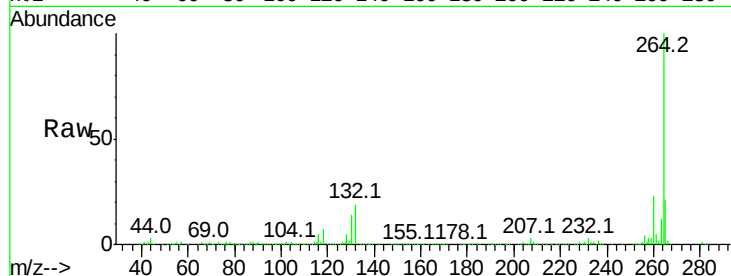




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BF100346.D
 Acq: 9 Nov 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	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

