

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100340.D
 Acq On : 9 Nov 2017 14:23
 Operator : SJ/JU
 Sample : PB103993BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 16:08:24 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	138946	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	522261	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	211189	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	350874	20.00	ng	0.00
75) Chrysene-d12	14.06	240	302748	20.00	ng	0.00
86) Perylene-d12	15.54	264	213752	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	971622	112.09	ng	0.02
7) Phenol-d6	6.53	99	1148407	107.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	691631	87.55	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	219368	101.94	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1248472	90.02	ng	0.00
78) Terphenyl-d14	13.01	244	980520	74.42	ng	0.00

Target Compounds

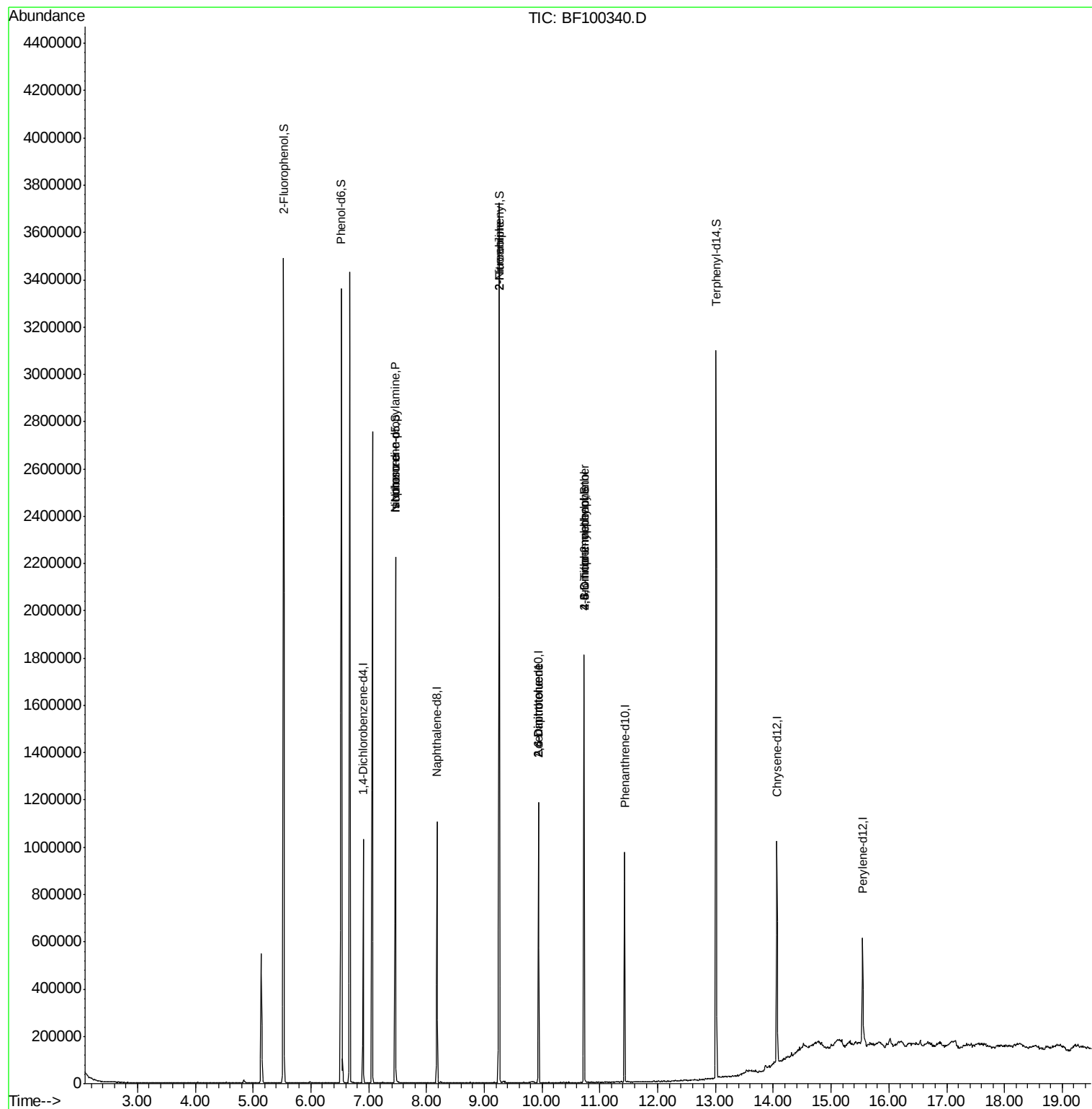
						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	92012	12.413	ng	# 82
25) Isophorone	7.46	82	689434	41.532	ng	# 64
47) 2-Nitroaniline	9.26	65	2081	3.285	ng	# 7
50) 2,6-Dinitrotoluene	9.94	165	26796	8.395	ng	# 24
56) 2,4-Dinitrotoluene	9.94	165	26796	6.655	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.73	198	359	8.736	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	13941	3.706	ng	# 1

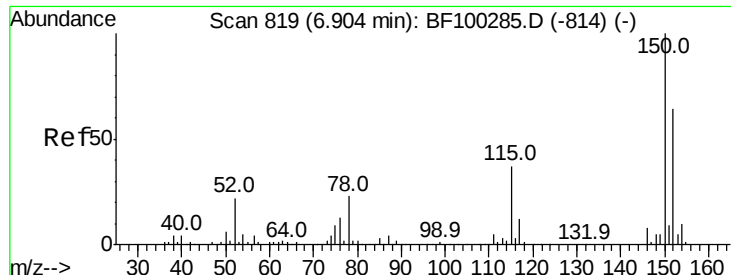
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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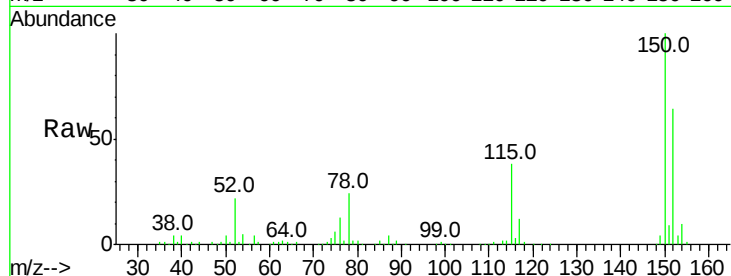


#1

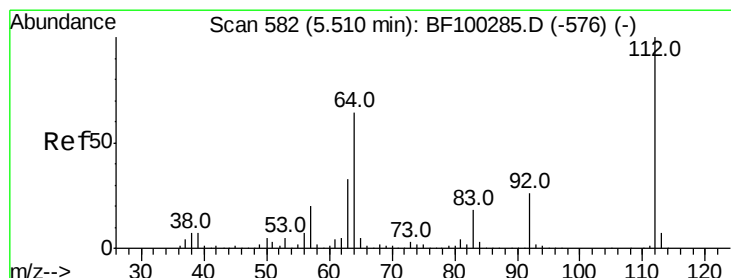
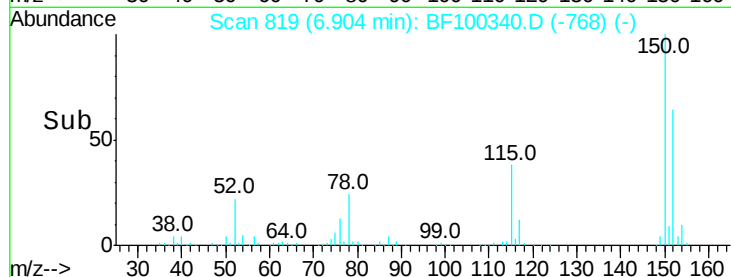
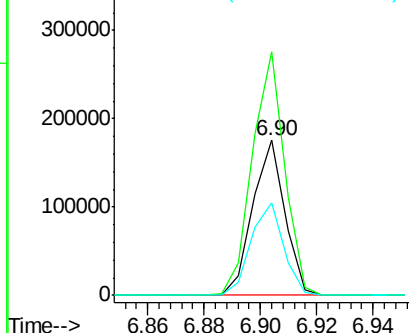
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100340.D
Acq: 9 Nov 2017 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138946
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 59.6 50.1 75.1



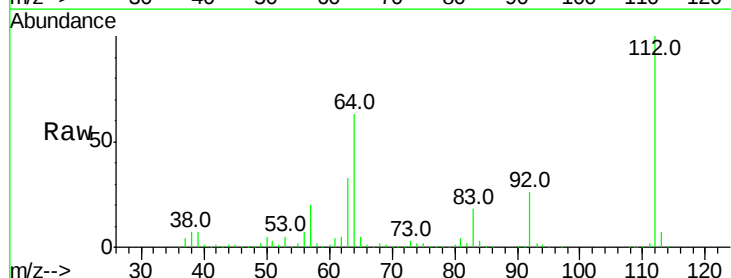
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



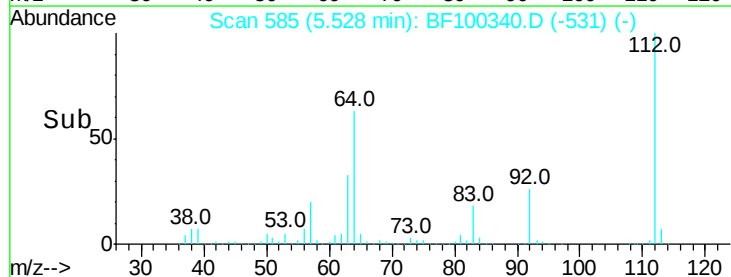
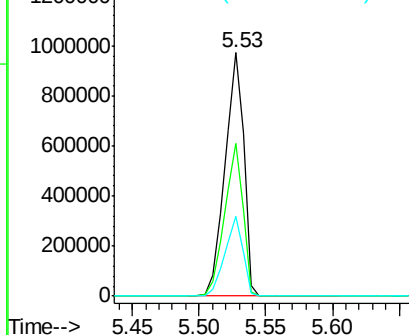
#5

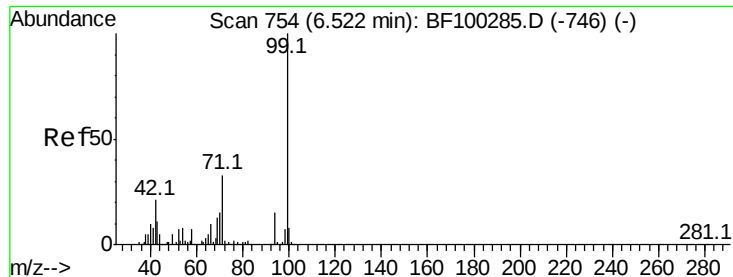
2-Fluorophenol
Concen: 112.094 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100340.D
Acq: 9 Nov 2017 14:23

Tgt Ion:112 Resp: 971622
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 32.6 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: 107.441 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

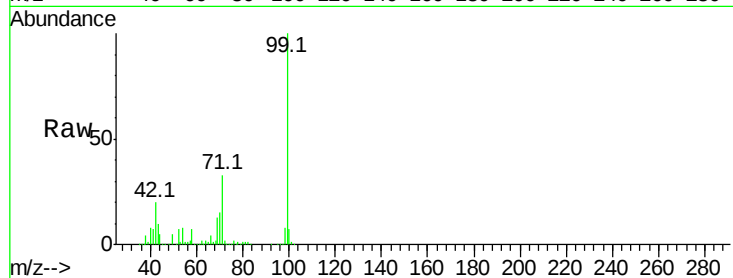
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1148407

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	32.8	25.4	38.0

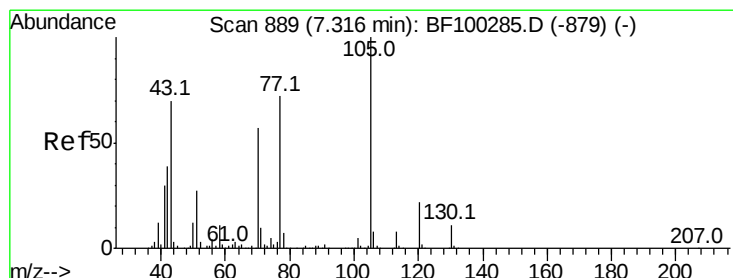
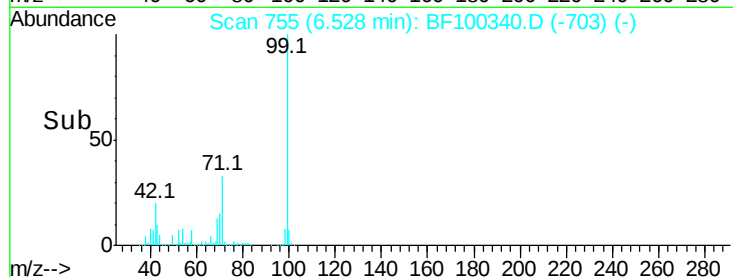
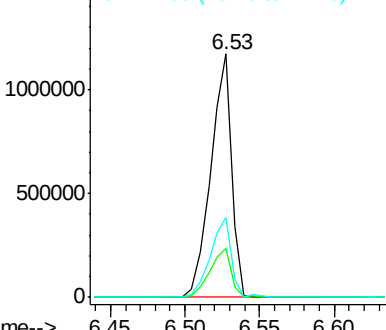


Abundance

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: 12.413 ng

RT: 7.46 min Scan# 914

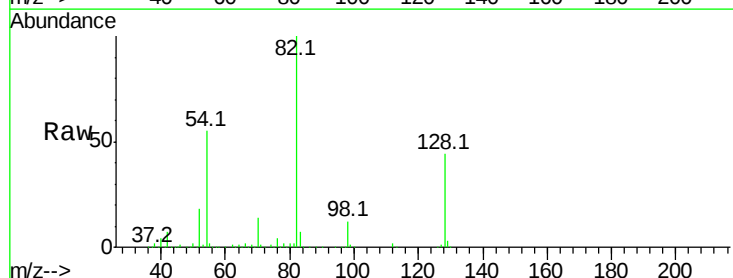
Delta R.T. 0.15 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

Tgt Ion: 70 Resp: 92012

Ion	Ratio	Lower	Upper
70	100		
42	52.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



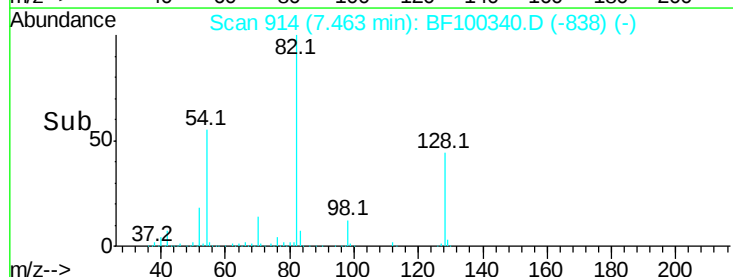
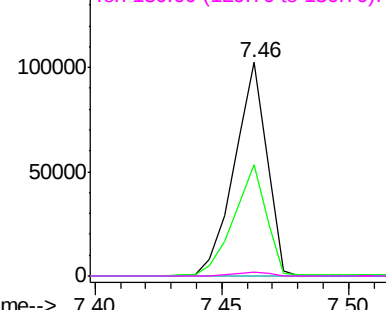
Abundance

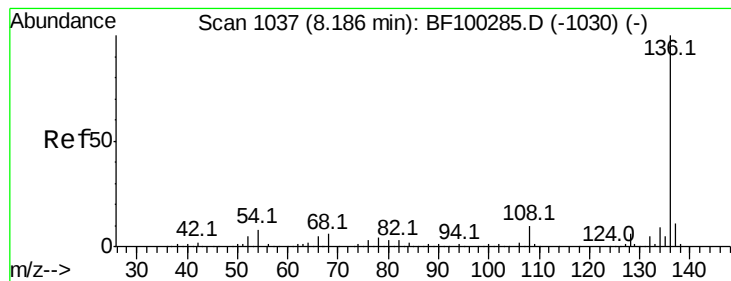
Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 522261

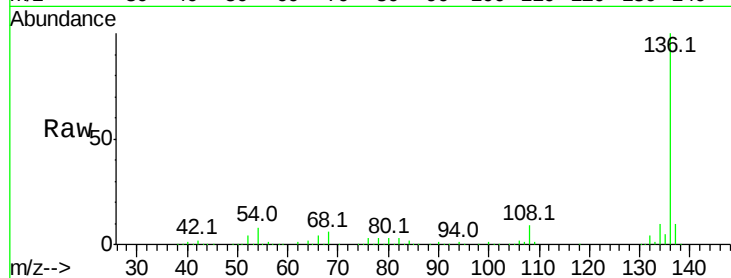
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.9 6.6 9.8

68 5.7 5.0 7.4

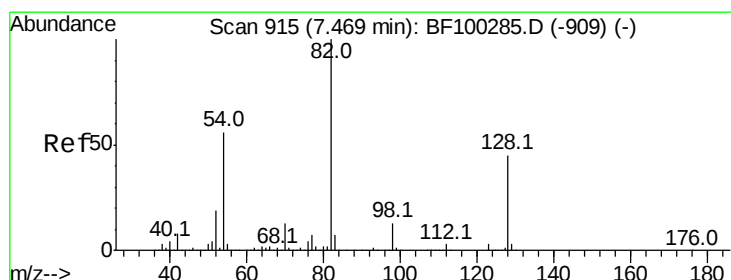
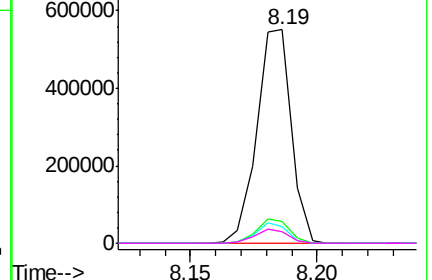
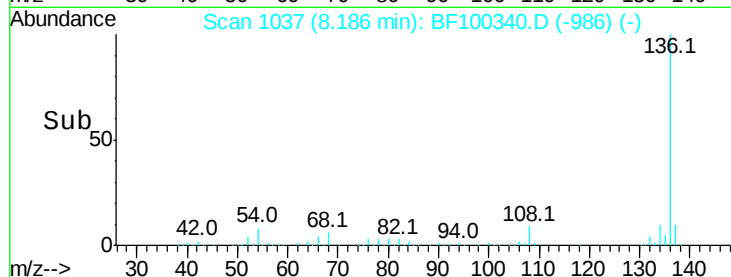


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.554 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

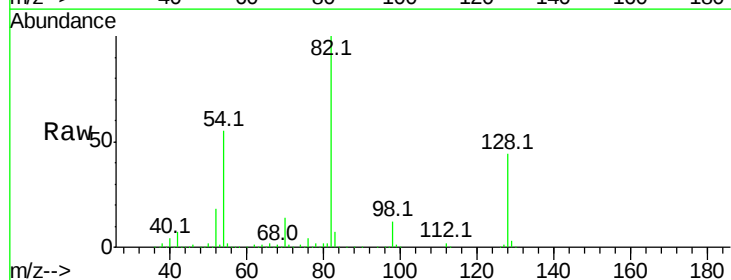
Tgt Ion: 82 Resp: 691631

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

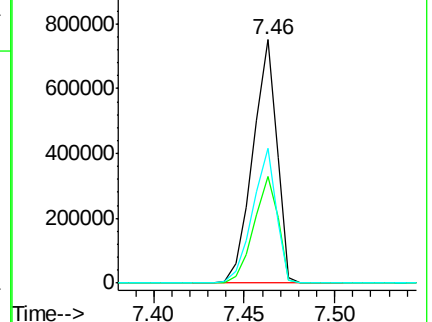
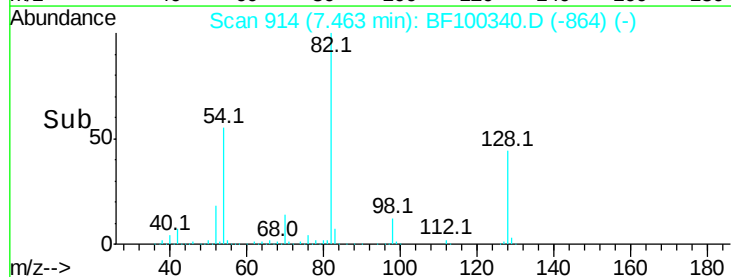
54 55.2 41.4 62.2

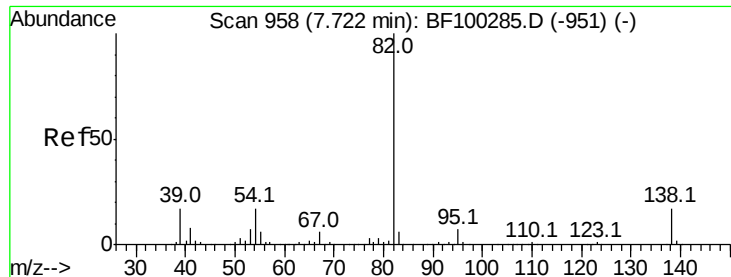


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.532 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

Instrument :

BNA_F

ClientSampleId :

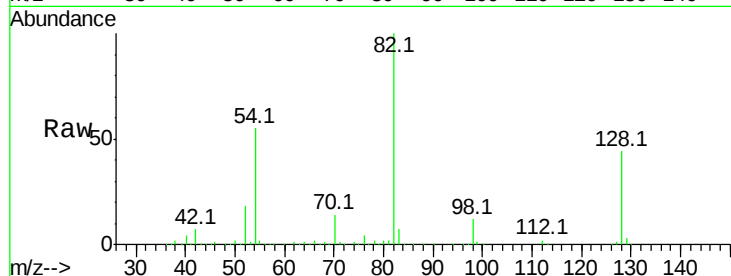
Tot Ion: 82 Resp: 689434

Ion Ratio Lower Upper

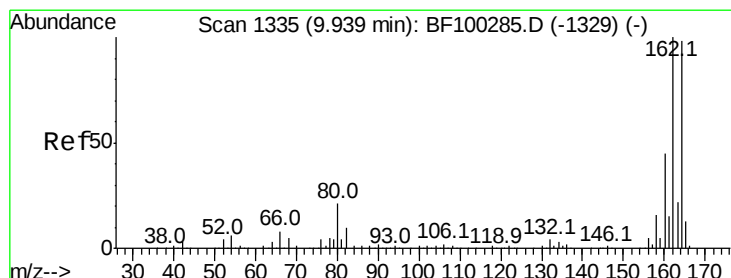
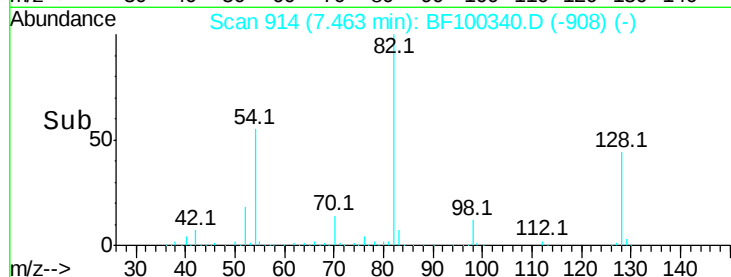
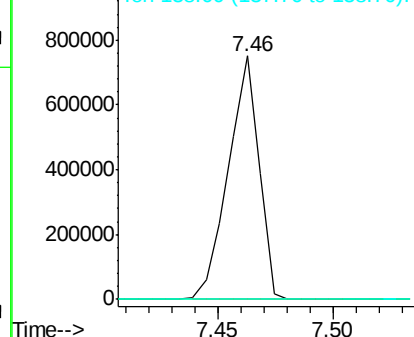
82 100

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: BF100340.D

Acq: 9 Nov 2017 14:23

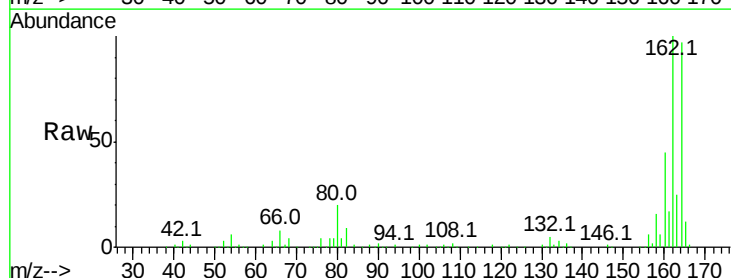
Tgt Ion: 164 Resp: 211189

Ion Ratio Lower Upper

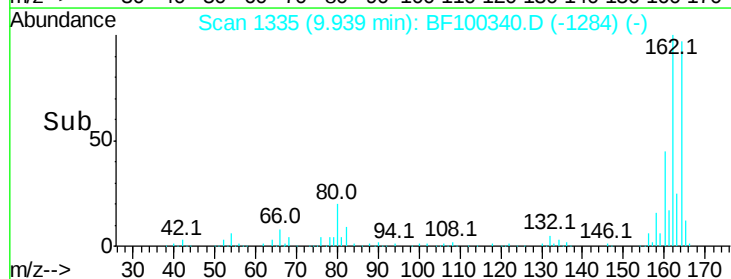
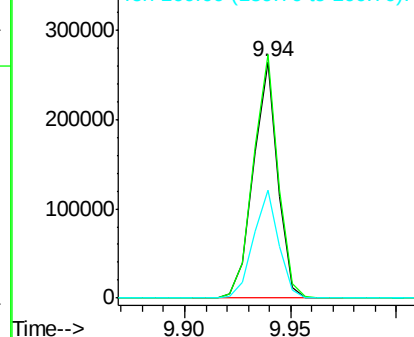
164 100

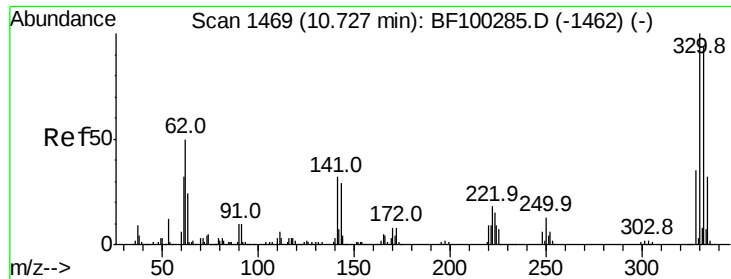
162 103.1 86.1 129.1

160 45.9 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

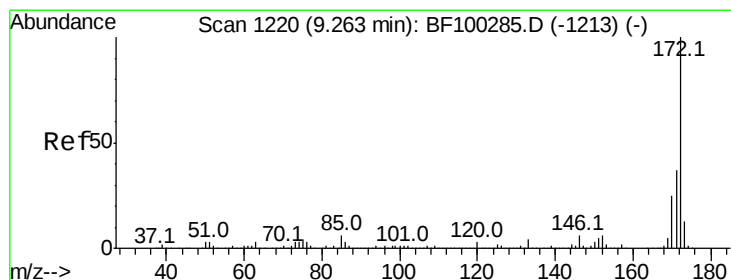
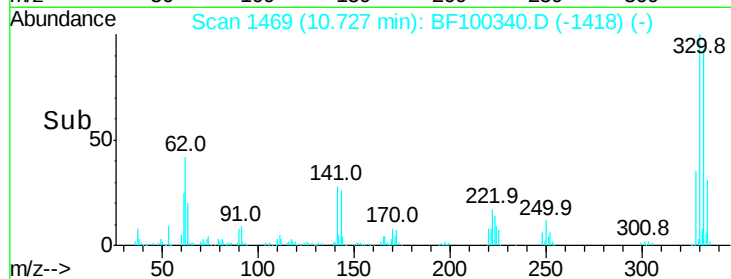
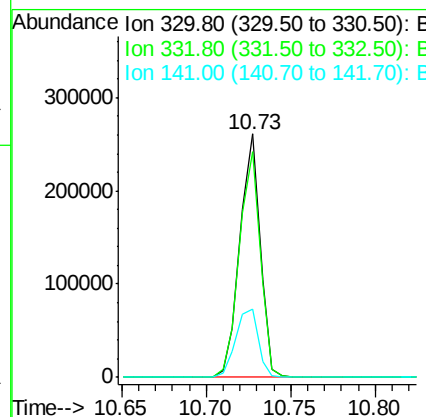
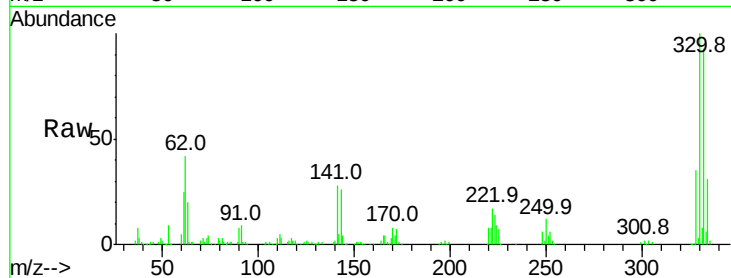




#41
 2,4,6-Tribromophenol
 Concen: 101.936 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BF100340.D
 Acq: 9 Nov 2017 14:23

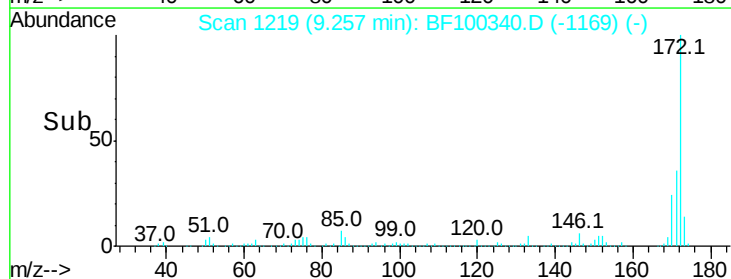
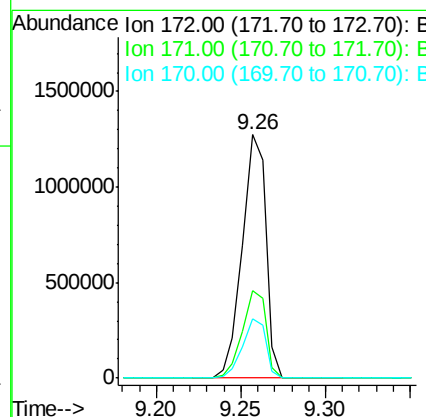
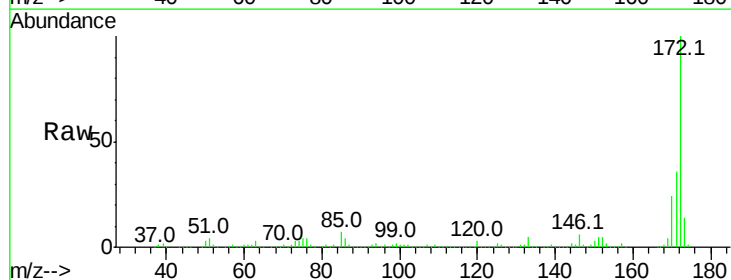
Instrument :
 BNA_F
 ClientSampleId :

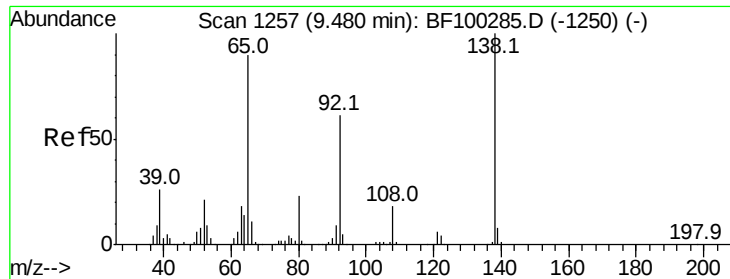
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	31.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 90.017 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100340.D
 Acq: 9 Nov 2017 14:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	19.6	29.4

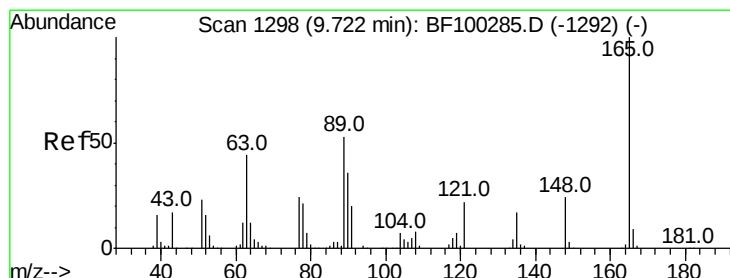
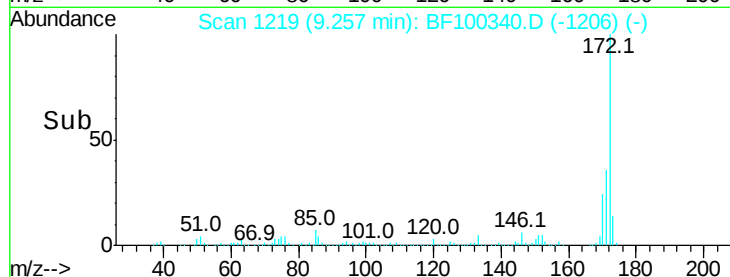
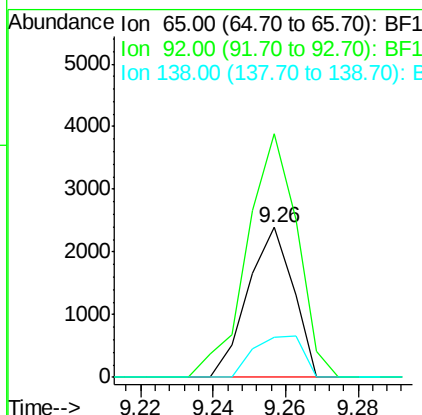
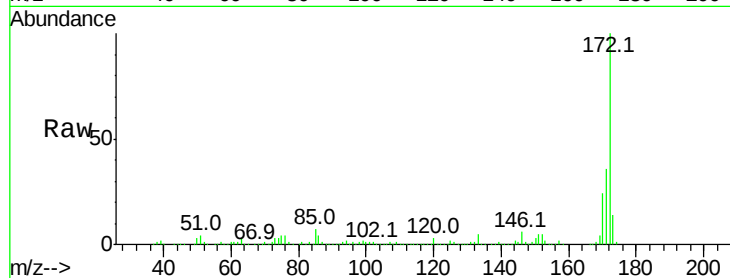




#47
2-Nitroaniline
Concen: 3.285 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100340.D
Acq: 9 Nov 2017 14:23

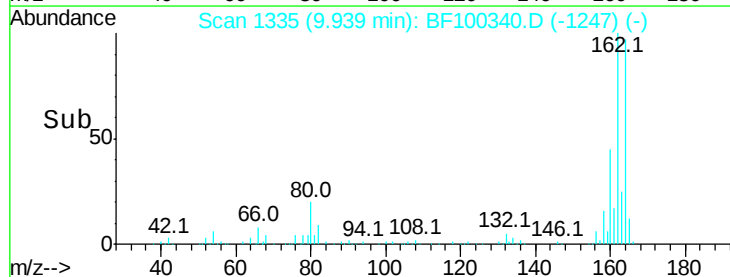
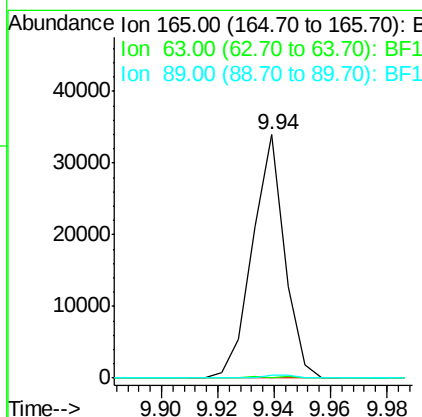
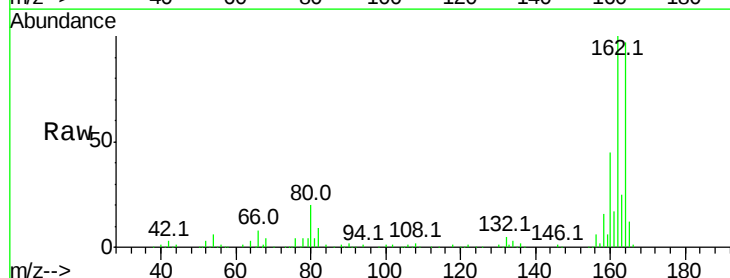
Instrument :
BNA_F
ClientSampled :

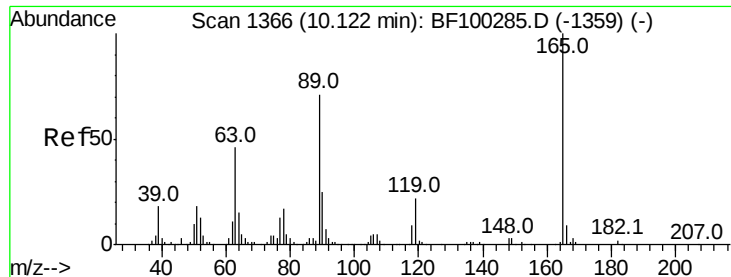
Tot Ion: 65 Resp: 2081
Ion Ratio Lower Upper
65 100
92 162.4 55.8 83.6#
138 26.5 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.395 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100340.D
Acq: 9 Nov 2017 14:23

Tgt Ion:165 Resp: 26796
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.2 44.0 66.0#

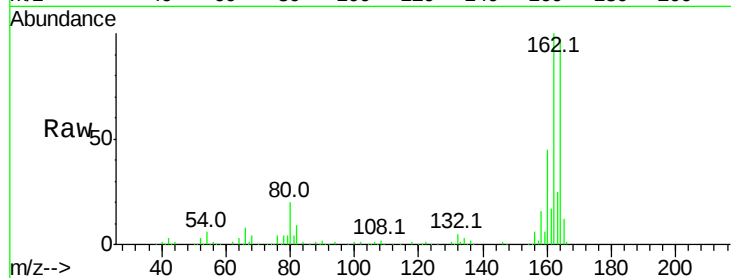




#56
 2,4-Dinitrotoluene
 Concen: 6.655 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100340.D
 Acq: 9 Nov 2017 14:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	26796
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#

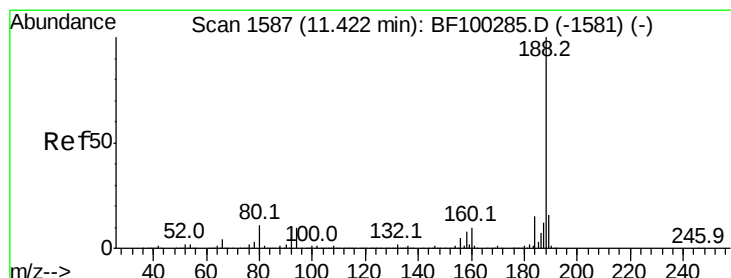
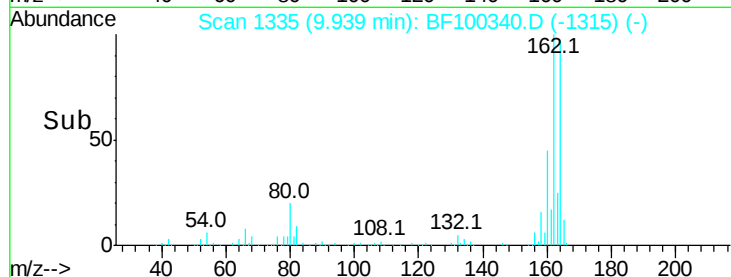
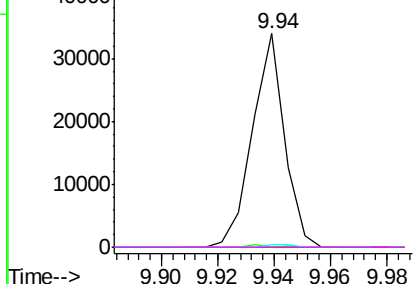


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

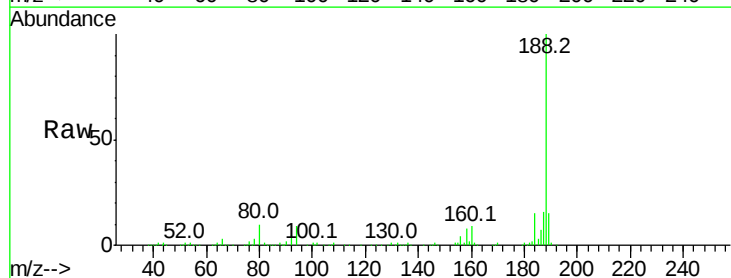
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF100340.D
 Acq: 9 Nov 2017 14:23

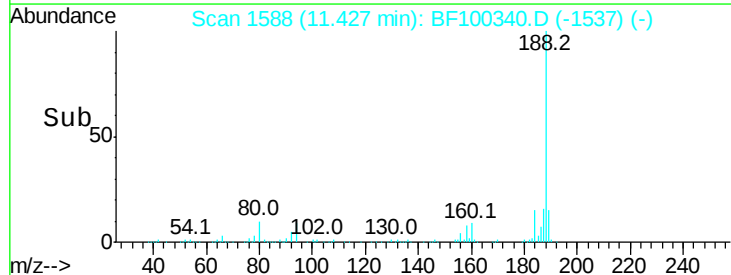
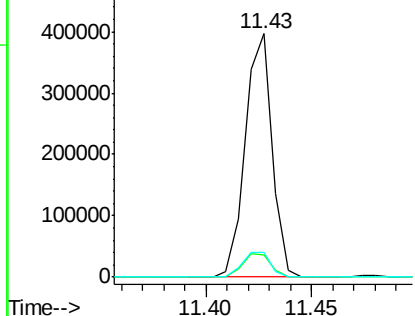
Tgt Ion:	188	Resp:	350874
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	10.2	9.2	13.8

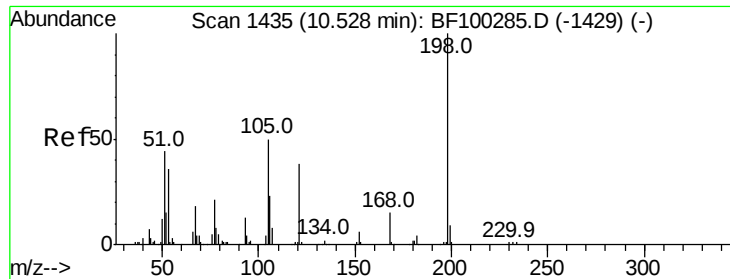


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.736 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

Instrument :

BNA_F

ClientSampled :

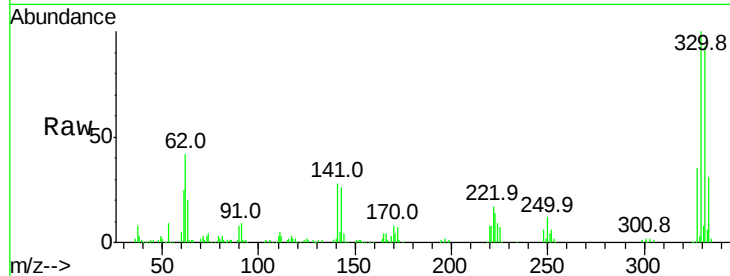
Tot Ion:198 Resp: 359

Ion Ratio Lower Upper

198 100

51 176.2 37.7 77.7#

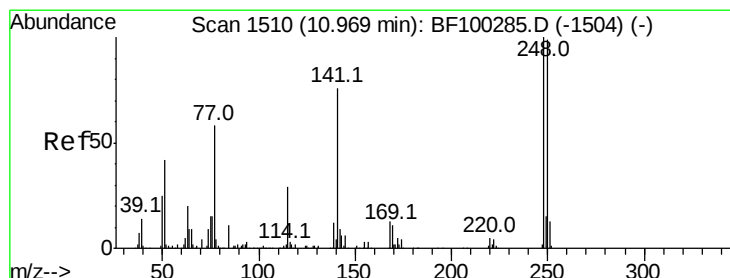
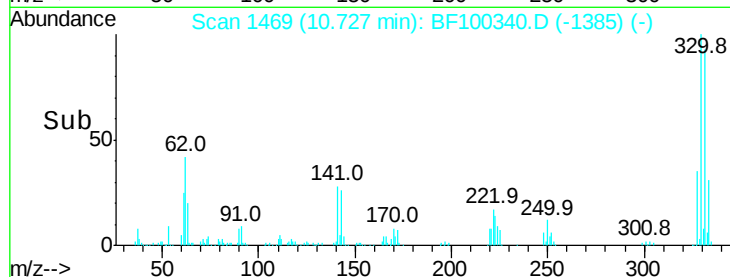
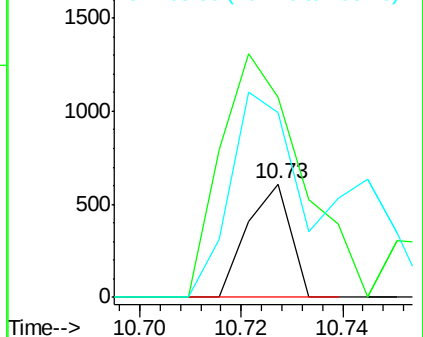
105 162.7 36.3 76.3#



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: 3.706 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

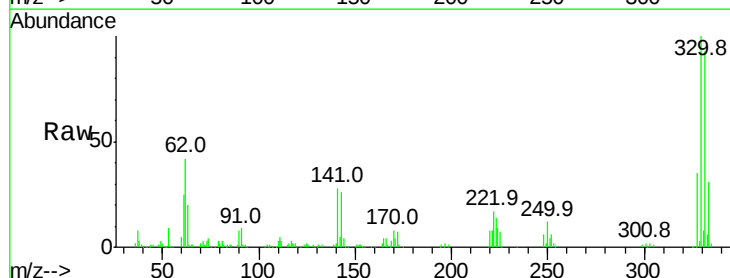
Tgt Ion:248 Resp: 13941

Ion Ratio Lower Upper

248 100

250 188.9 76.9 115.3#

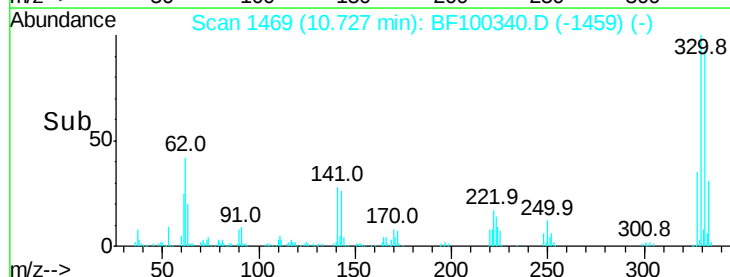
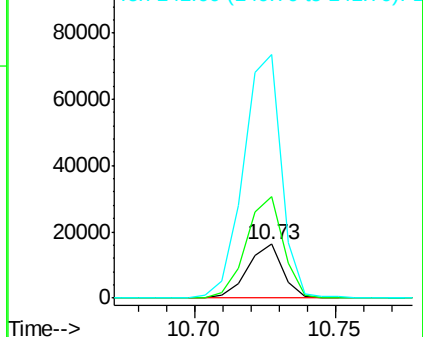
141 452.4 74.4 111.6#

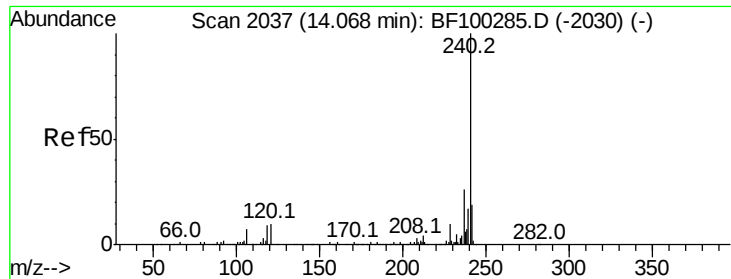


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

Instrument :

BNA_F

ClientSampleId :

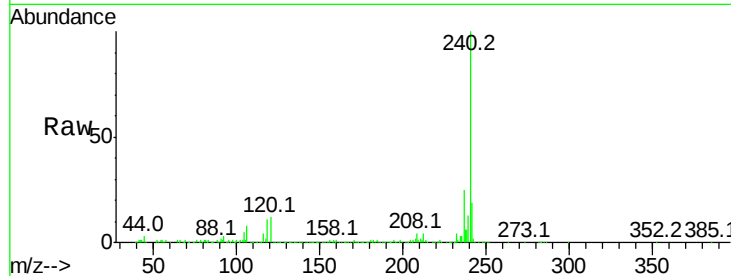
Tot Ion:240 Resp: 302748

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

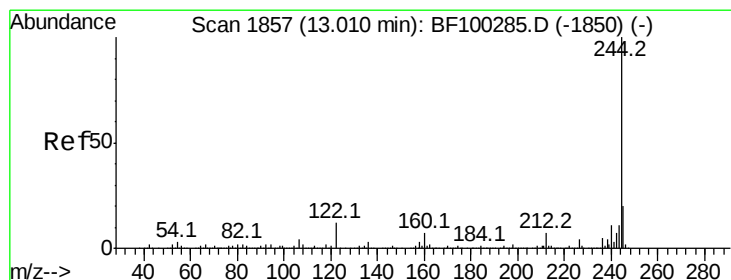
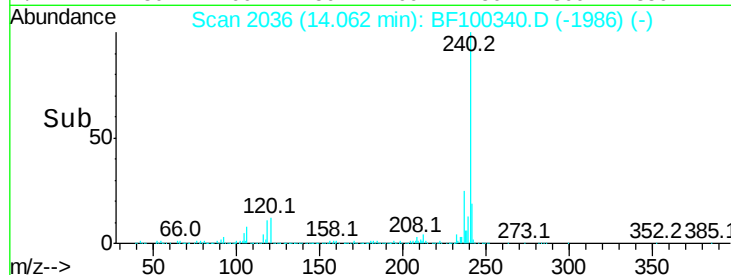
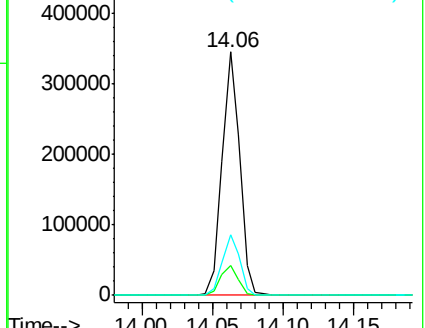
236 25.1 20.7 31.1



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: 74.417 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100340.D

Acq: 9 Nov 2017 14:23

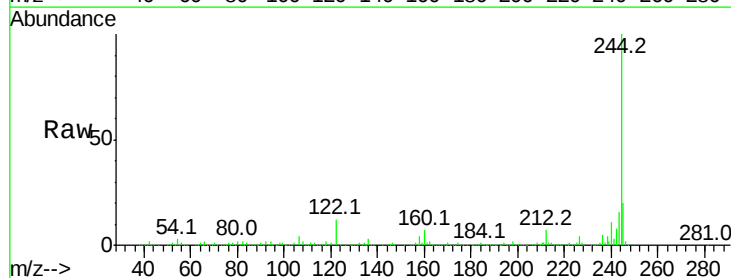
Tgt Ion:244 Resp: 980520

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

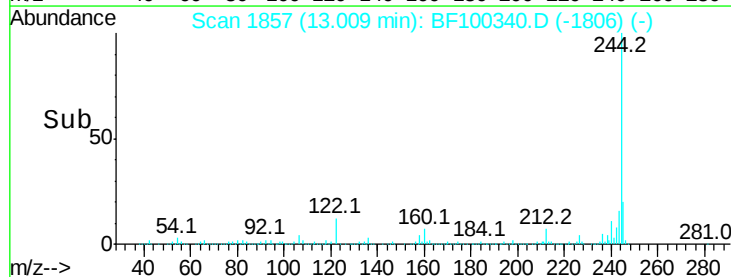
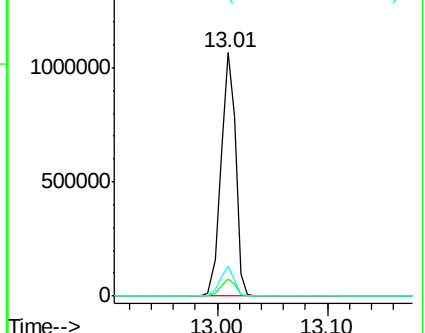
122 12.2 11.0 16.4

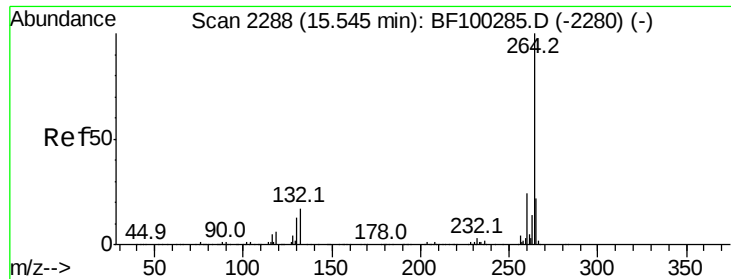


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

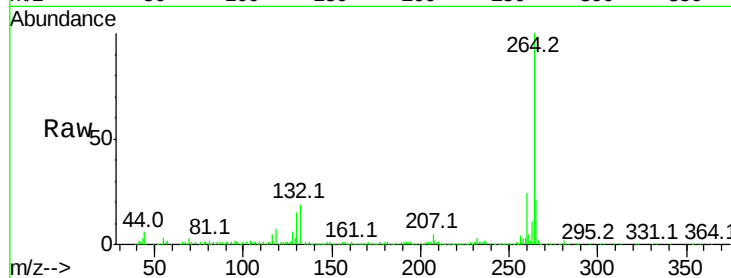




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: BF100340.D
 Acq: 9 Nov 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	20.8	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

