

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100349.D
 Acq On : 9 Nov 2017 19:14
 Operator : SJ/JU
 Sample : PB104087BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:25:36 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

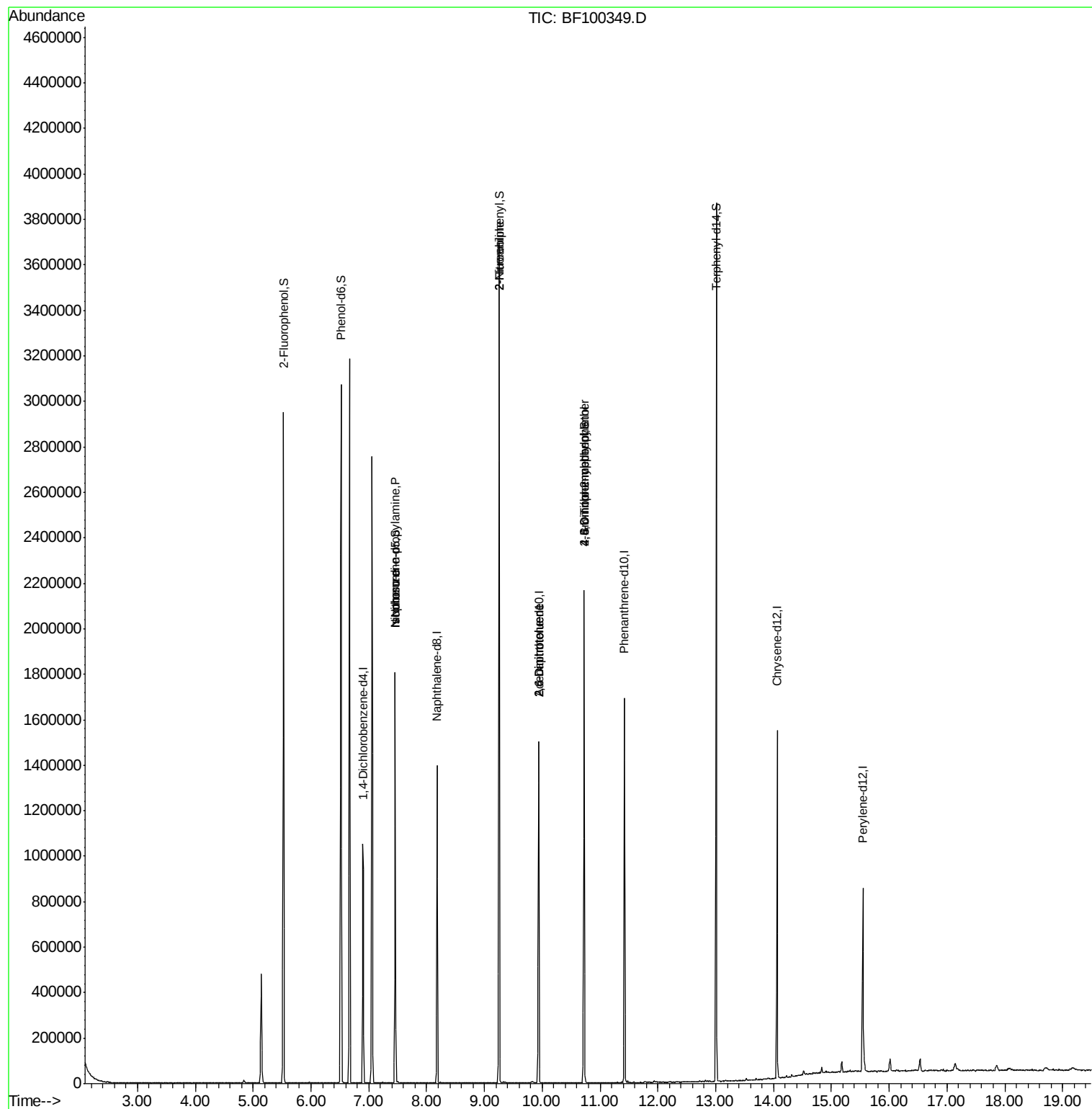
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	156309	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	632567	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	305719	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	615828	20.00	ng	0.00
75) Chrysene-d12	14.06	240	497945	20.00	ng	0.00
86) Perylene-d12	15.54	264	378860	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	848229	86.99	ng	0.02
7) Phenol-d6	6.52	99	1027342	85.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	651511	68.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	290288	93.18	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1271267	63.32	ng	0.00
78) Terphenyl-d14	13.01	244	1308218	60.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	84162	10.093	ng	# 83
25) Isophorone	7.46	82	650903	32.373	ng	# 64
47) 2-Nitroaniline	9.26	65	2241	3.156	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	39003	8.441	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	39003	6.691	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	341	8.660	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	18589	2.816	ng	# 1

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

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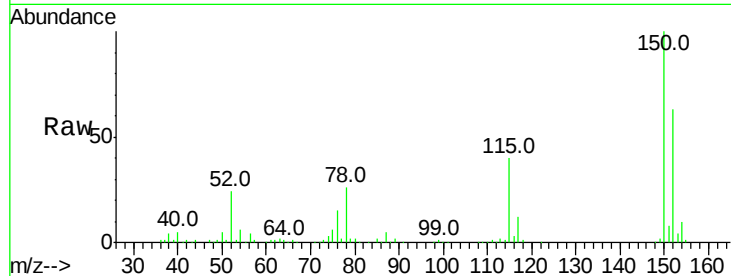


#1

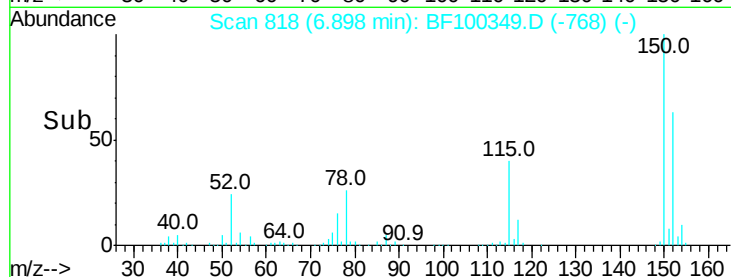
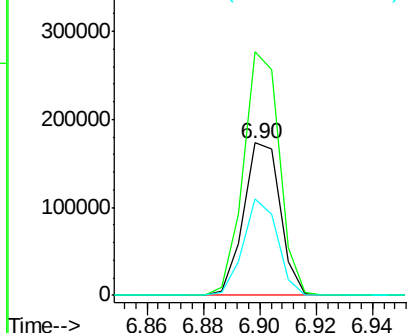
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156309
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 63.2 50.1 75.1



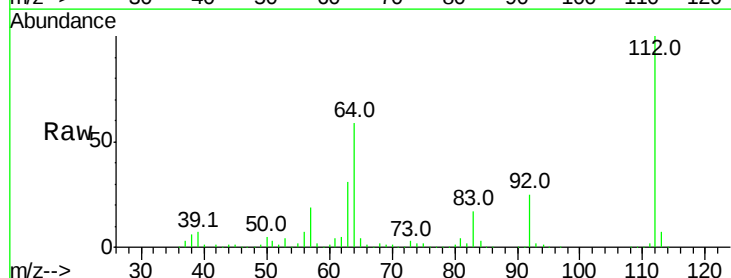
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



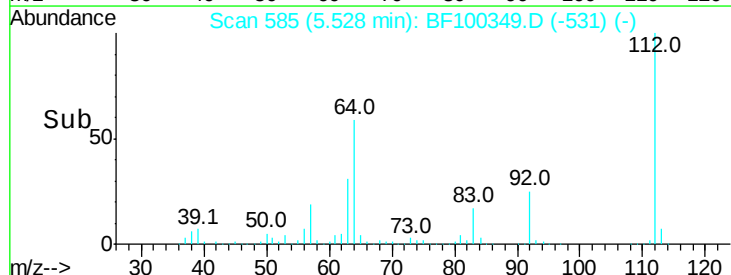
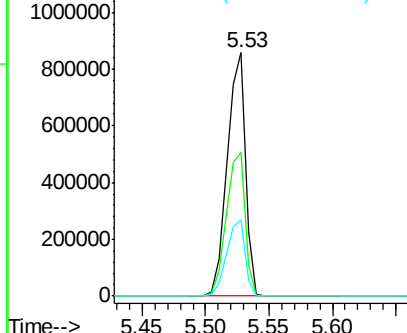
#5

2-Fluorophenol
Concen: 86.988 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Tgt Ion:112 Resp: 848229
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 31.1 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: 85.438 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

Instrument :

BNA_F

ClientSampled :

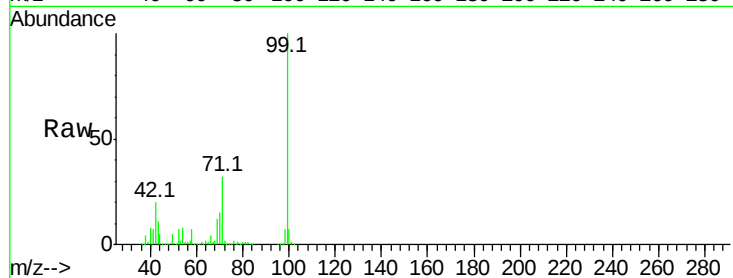
Tot Ion: 99 Resp: 1027342

Ion Ratio Lower Upper

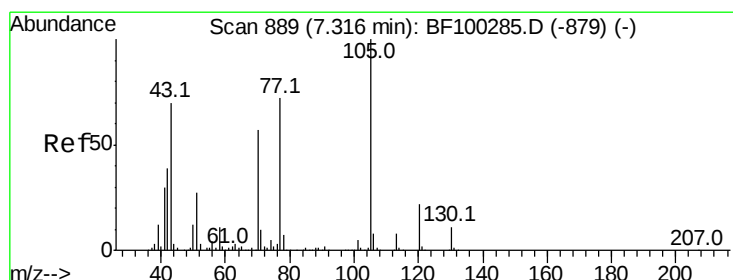
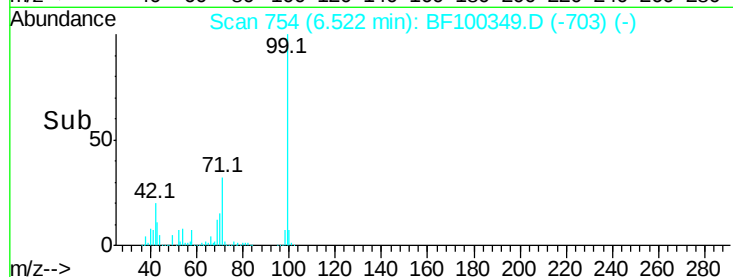
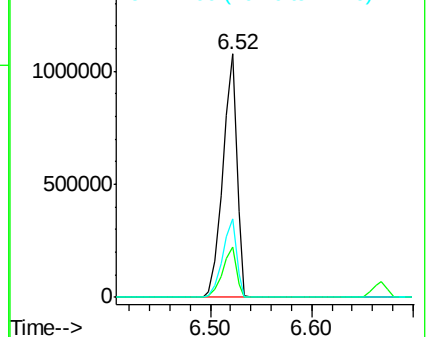
99 100

42 20.4 14.5 21.7

71 32.4 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: 10.093 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

Tgt Ion: 70 Resp: 84162

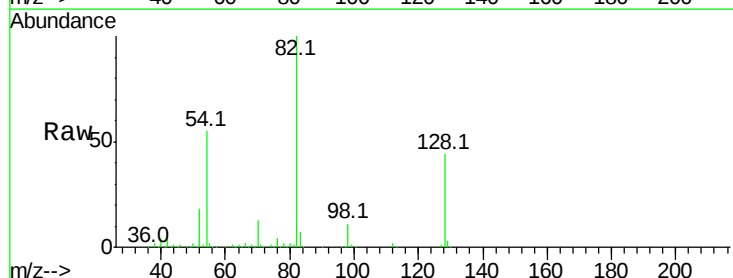
Ion Ratio Lower Upper

70 100

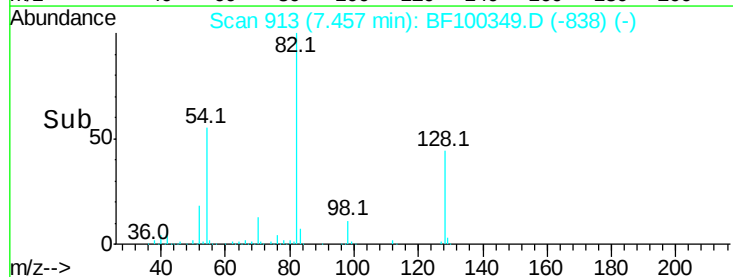
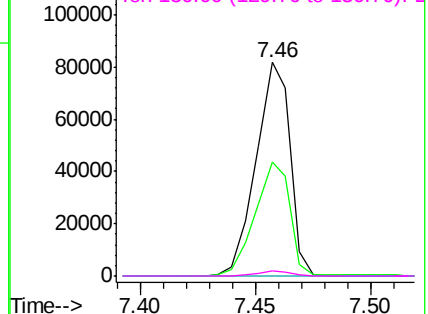
42 53.3 47.5 71.3

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

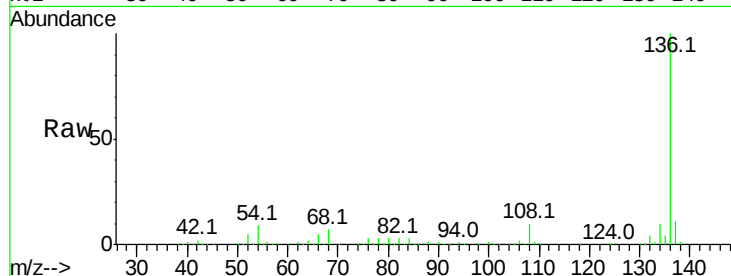




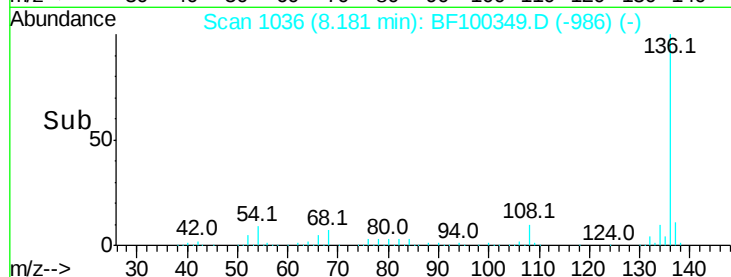
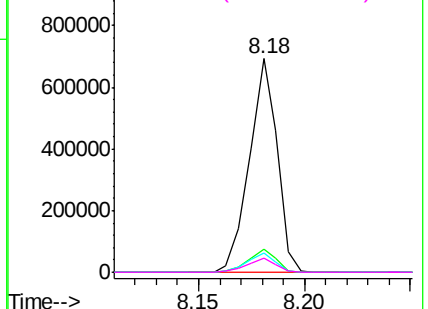
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	632567
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.9	6.6	9.8
68	6.6	5.0	7.4

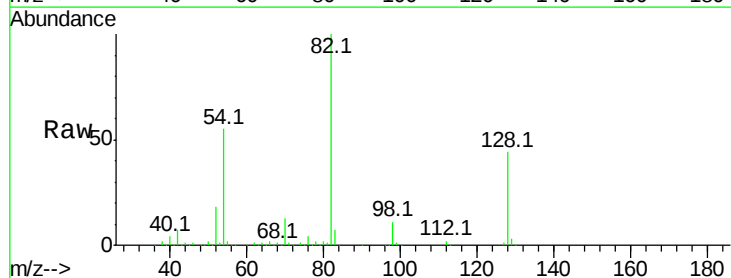


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

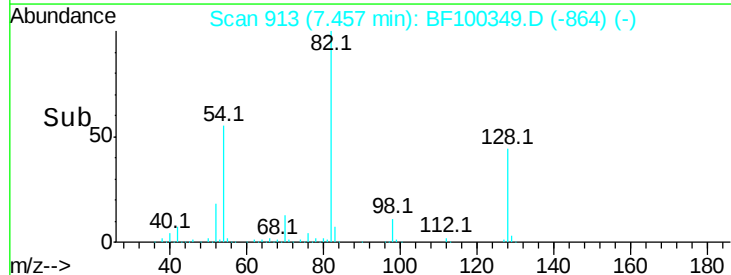
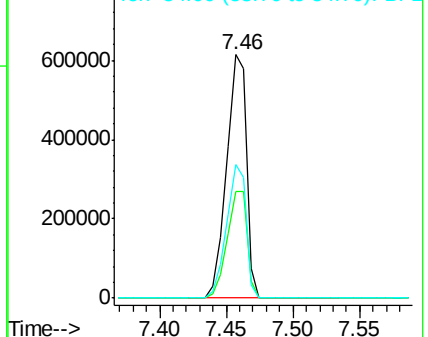


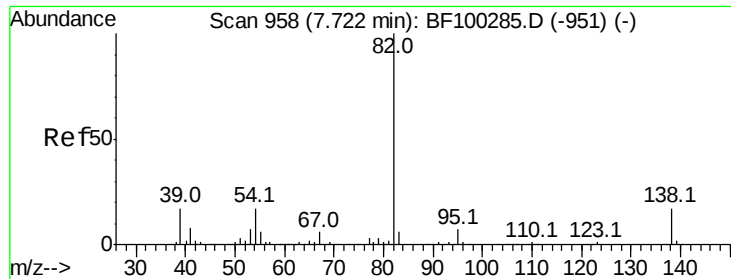
#23
Nitrobenzene-d5
Concen: 68.093 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Tgt Ion:	82	Resp:	651511
Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	54.7	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: 32.373 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.27 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

Instrument :

BNA_F

ClientSampleId :

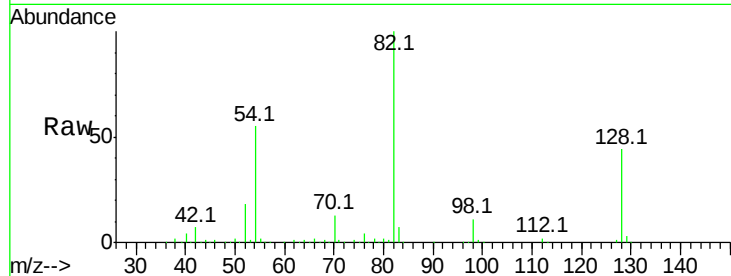
Tot Ion: 82 Resp: 650903

Ion Ratio Lower Upper

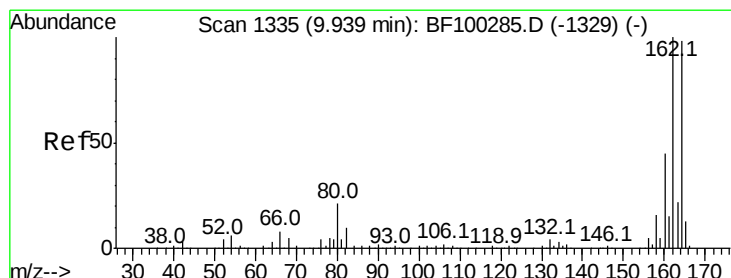
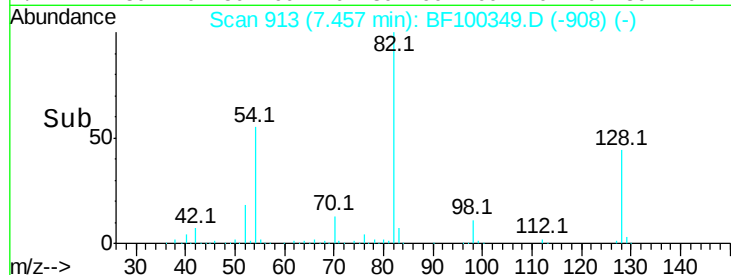
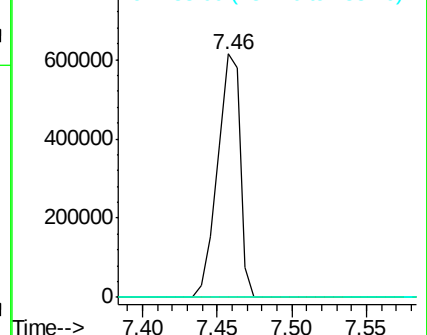
82 100

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: BF100349.D

Acq: 9 Nov 2017 19:14

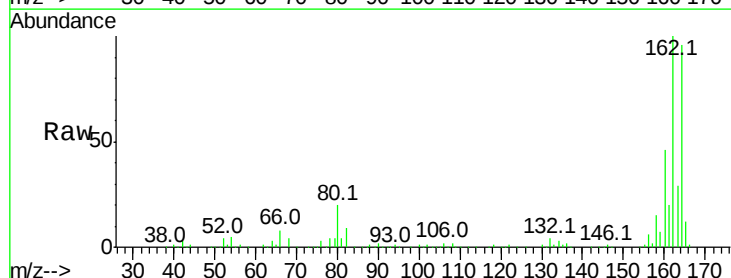
Tgt Ion:164 Resp: 305719

Ion Ratio Lower Upper

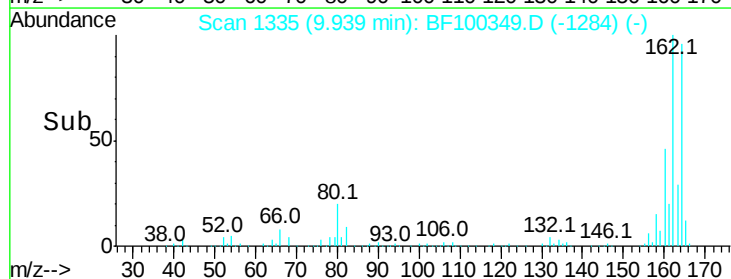
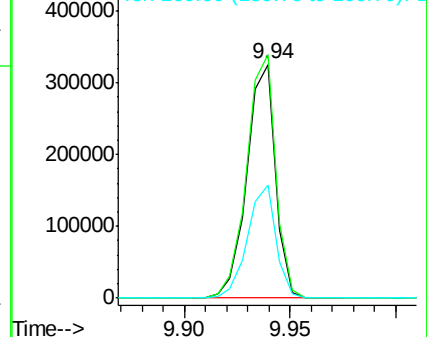
164 100

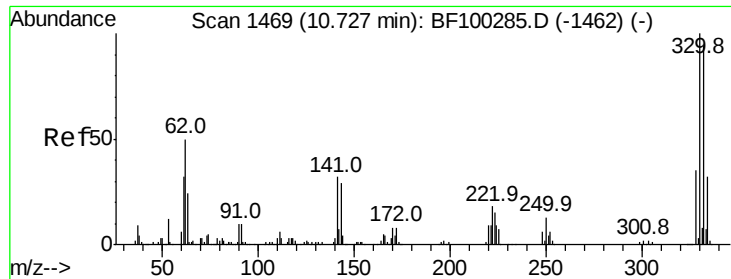
162 104.1 86.1 129.1

160 48.2 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

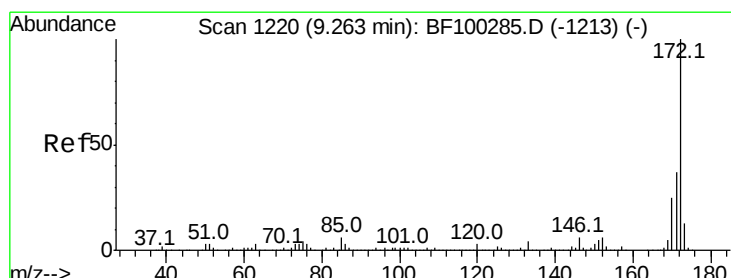
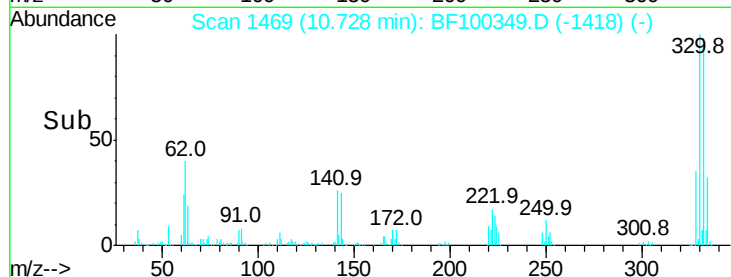
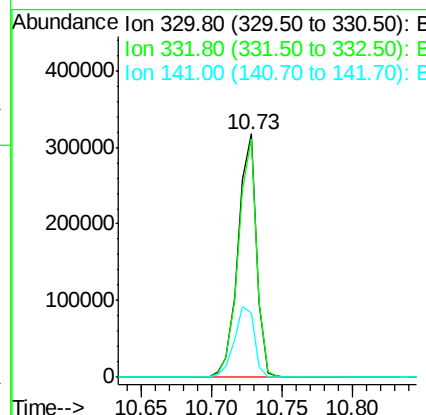
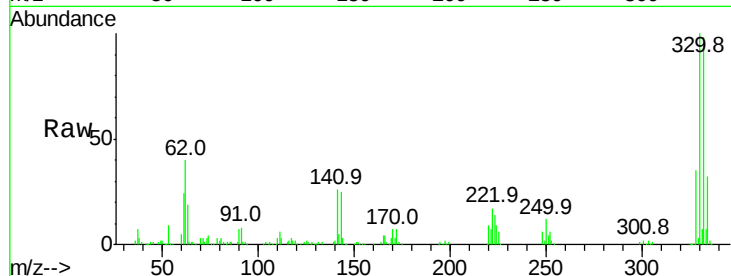




#41
 2,4,6-Tribromophenol
 Concen: 93.182 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100349.D
 Acq: 9 Nov 2017 19:14

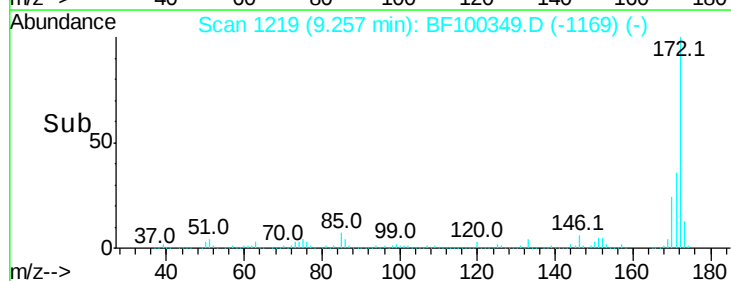
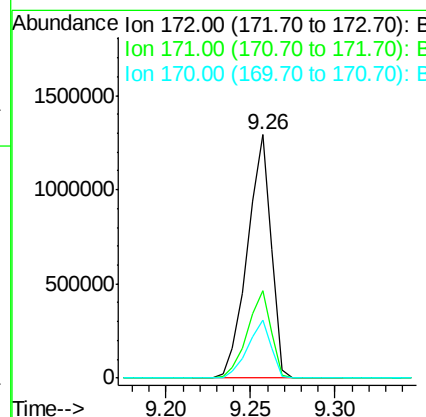
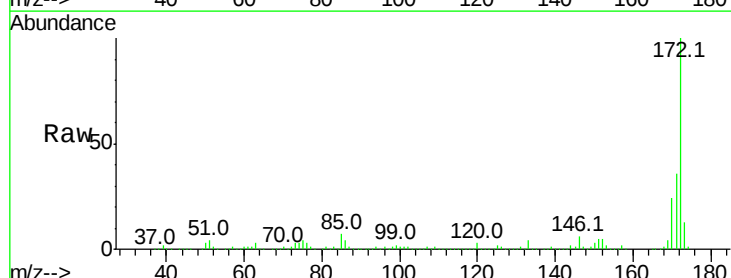
Instrument :
 BNA_F
 ClientSampleId :

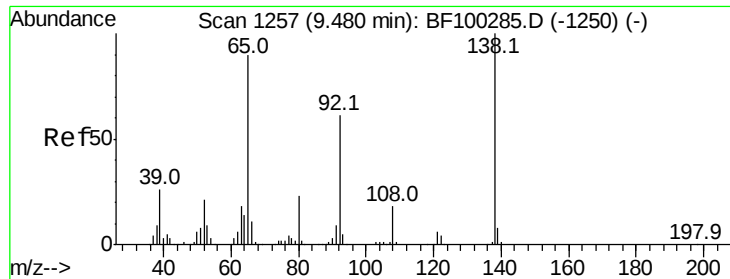
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	31.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 63.319 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100349.D
 Acq: 9 Nov 2017 19:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4





#47

2-Nitroaniline

Concen: 3.156 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.22 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

Instrument :

BNA_F

ClientSampled :

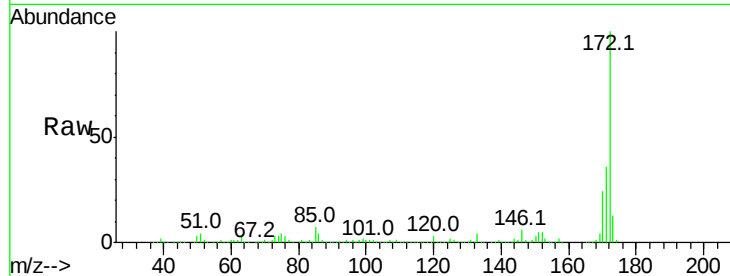
Tot Ion: 65 Resp: 2241

Ion Ratio Lower Upper

65 100

92 201.9 55.8 83.6#

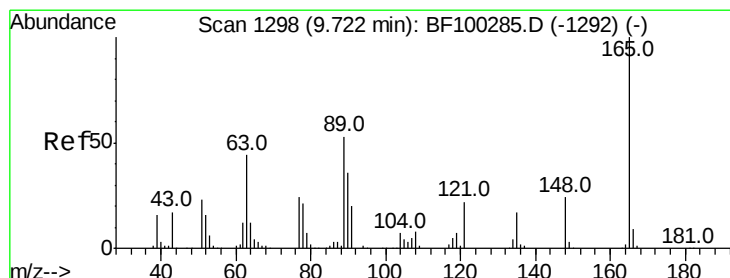
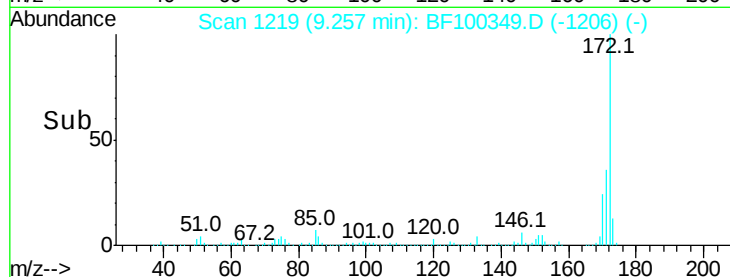
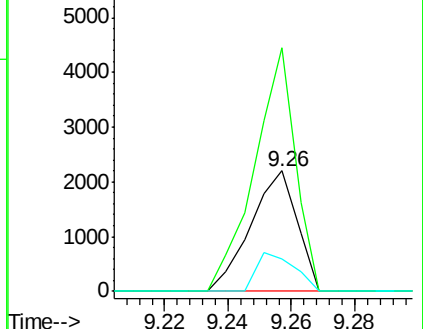
138 27.0 91.2 136.8#



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): BF1



#50

2,6-Dinitrotoluene

Concen: 8.441 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

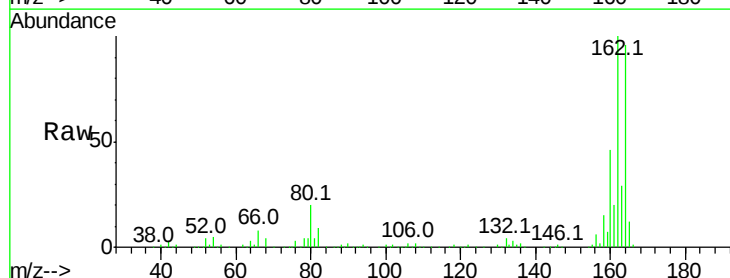
Tgt Ion:165 Resp: 39003

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

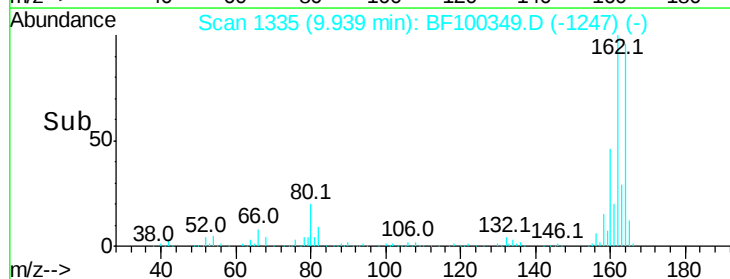
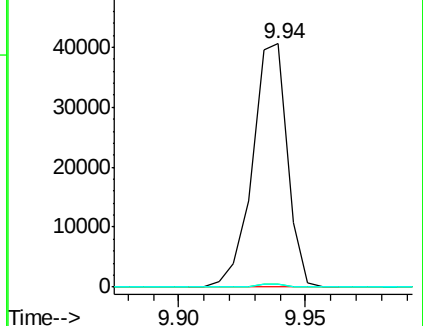
89 1.4 44.0 66.0#

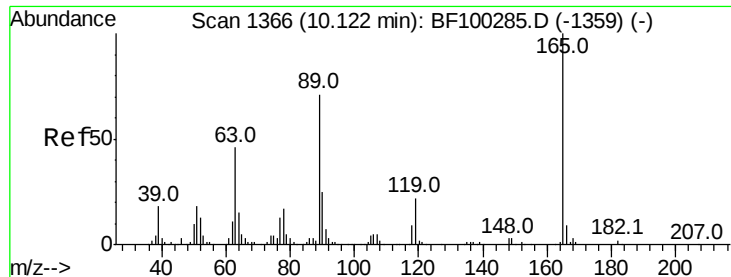


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

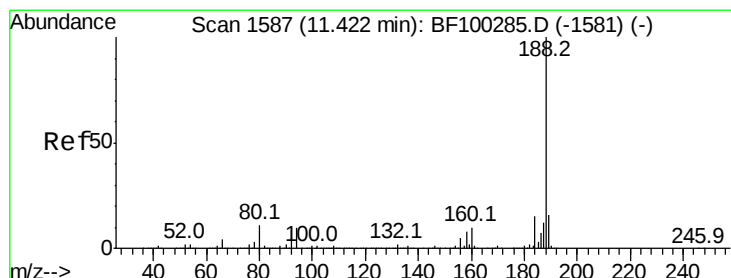
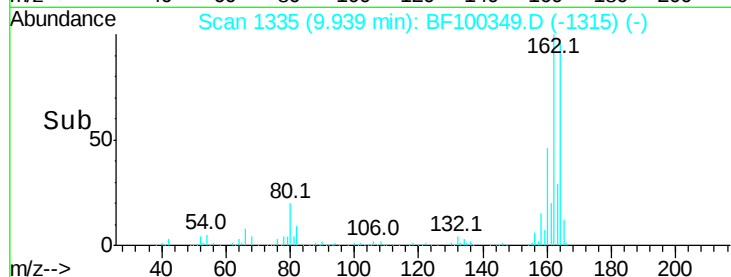
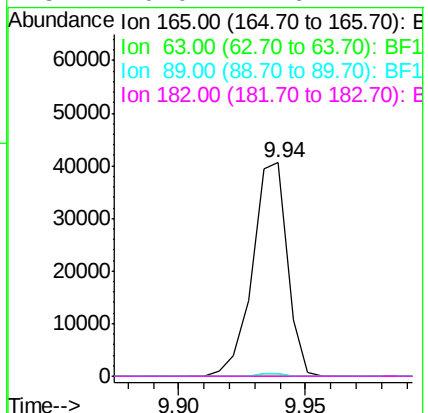
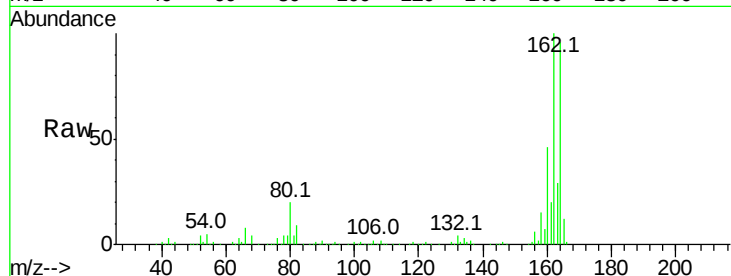




#56
 2,4-Dinitrotoluene
 Concen: 6.691 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100349.D
 Acq: 9 Nov 2017 19:14

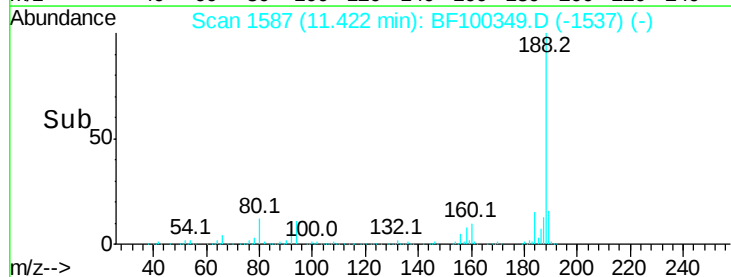
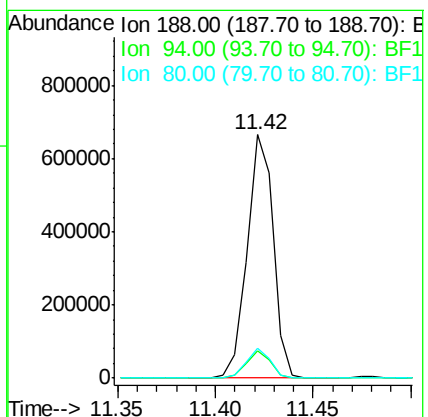
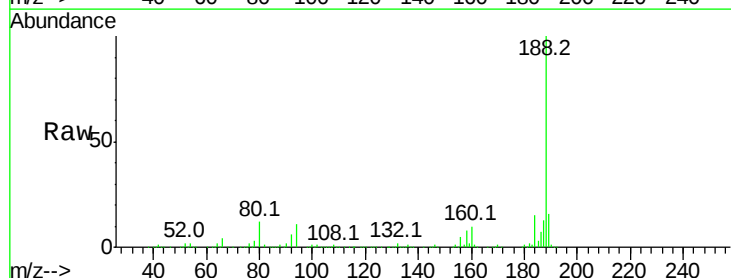
Instrument :
 BNA_F
 ClientSampleId :

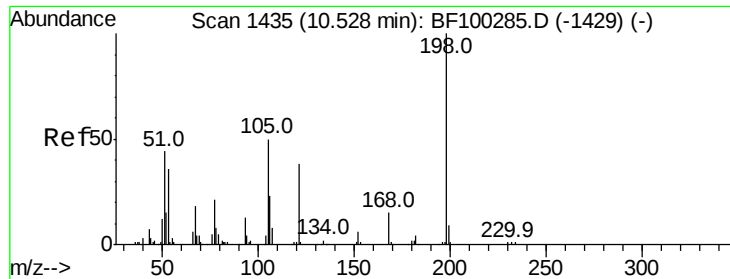
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100349.D
 Acq: 9 Nov 2017 19:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

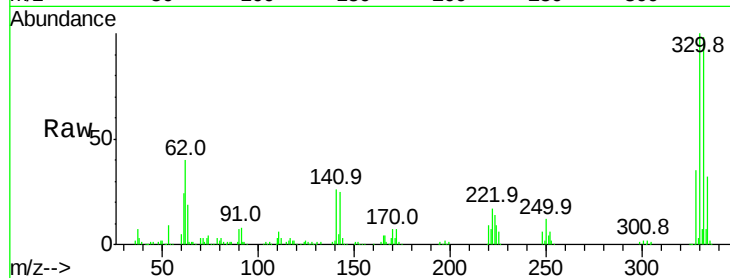




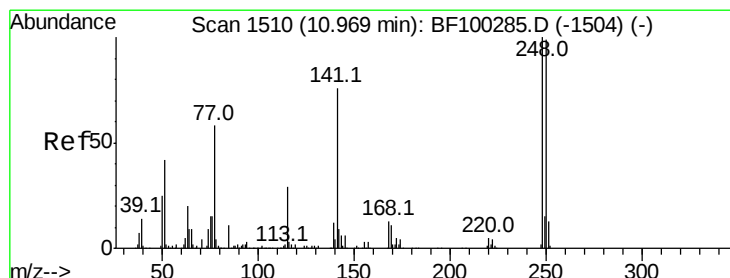
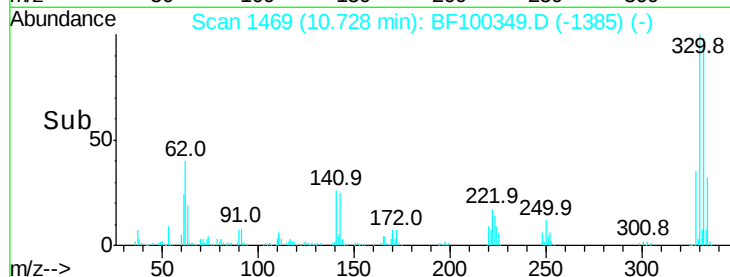
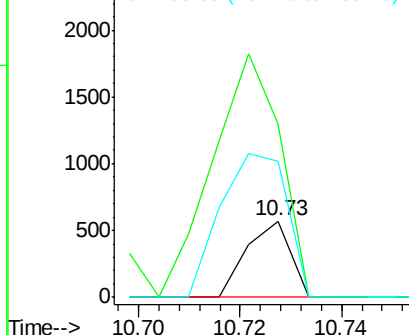
#64
4,6-Dinitro-2-methylphenol
Concen: 8.660 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 341
Ion Ratio Lower Upper
198 100
51 226.6 37.7 77.7#
105 178.1 36.3 76.3#

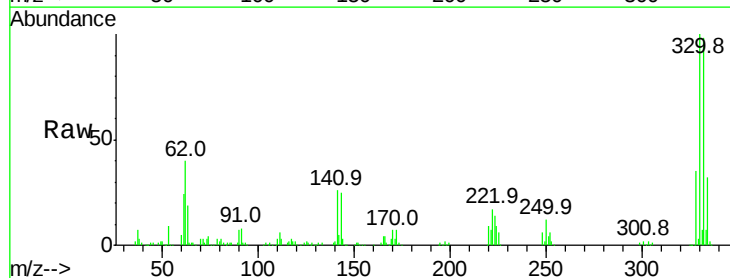


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

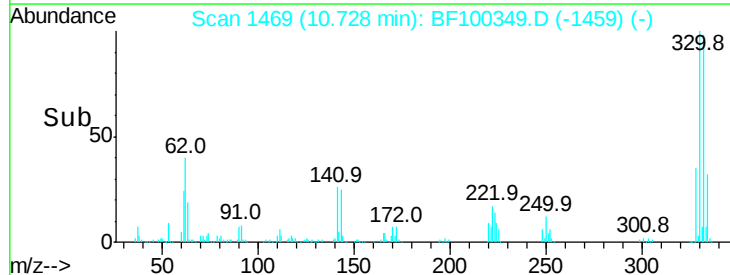
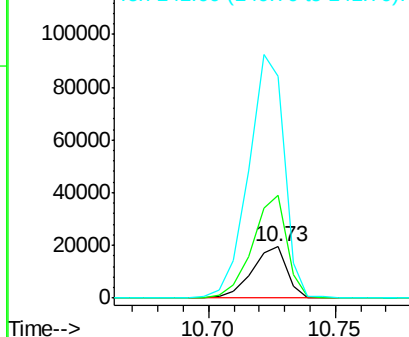


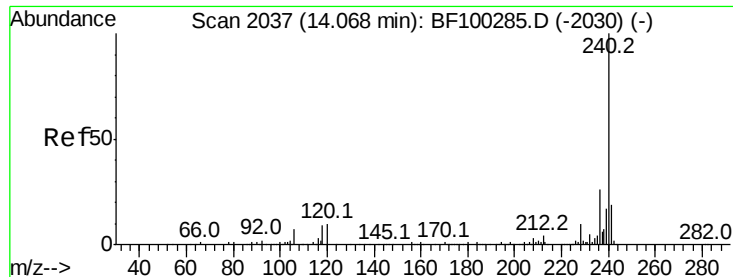
#66
4-Bromophenyl-phenylether
Concen: 2.816 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100349.D
Acq: 9 Nov 2017 19:14

Tgt Ion:248 Resp: 18589
Ion Ratio Lower Upper
248 100
250 201.5 76.9 115.3#
141 432.6 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: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

Instrument :

BNA_F

ClientSampleId :

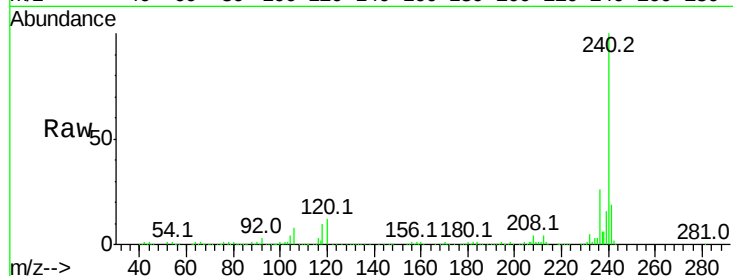
Tot Ion:240 Resp: 497945

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

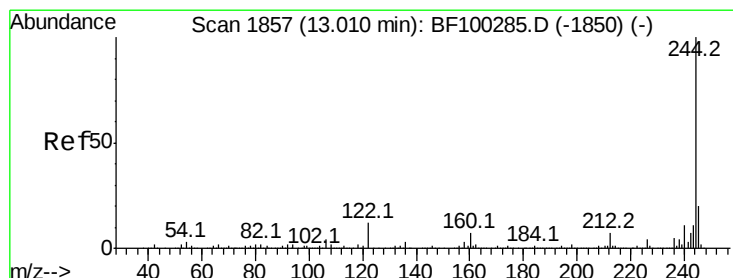
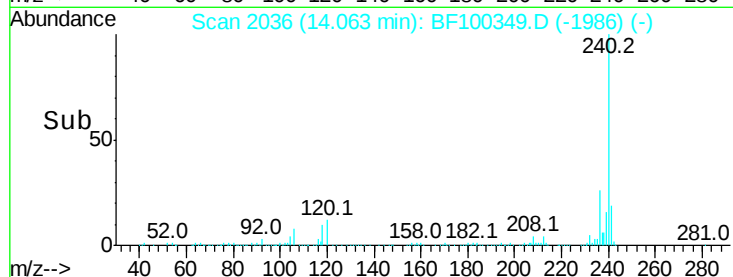
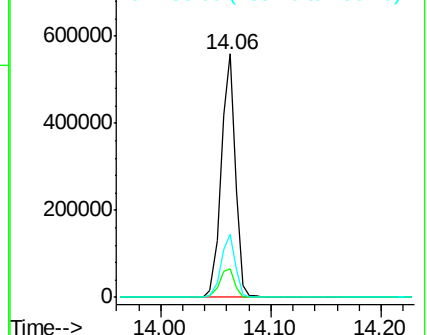
236 26.1 20.7 31.1



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: 60.366 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100349.D

Acq: 9 Nov 2017 19:14

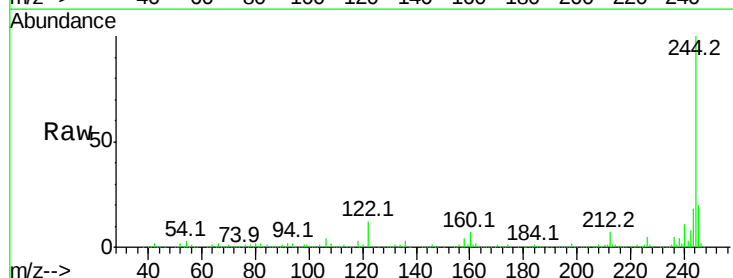
Tgt Ion:244 Resp: 1308218

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

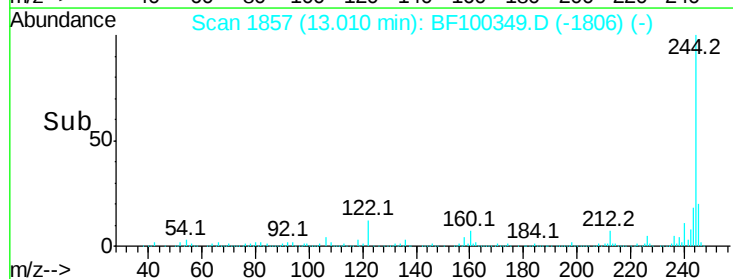
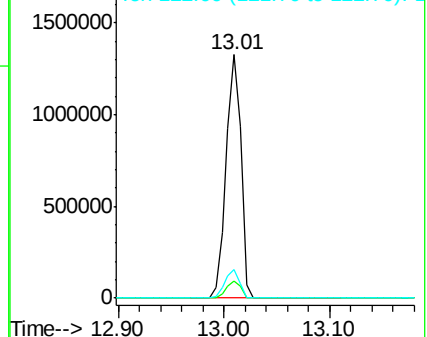
122 11.9 11.0 16.4

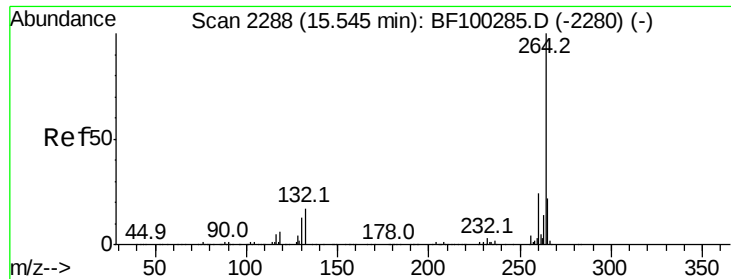


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF100349.D
 Acq: 9 Nov 2017 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 378860
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.4 17.5 26.3

