

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100348.D
 Acq On : 9 Nov 2017 18:47
 Operator : SJ/JU
 Sample : PB103993BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:25:24 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

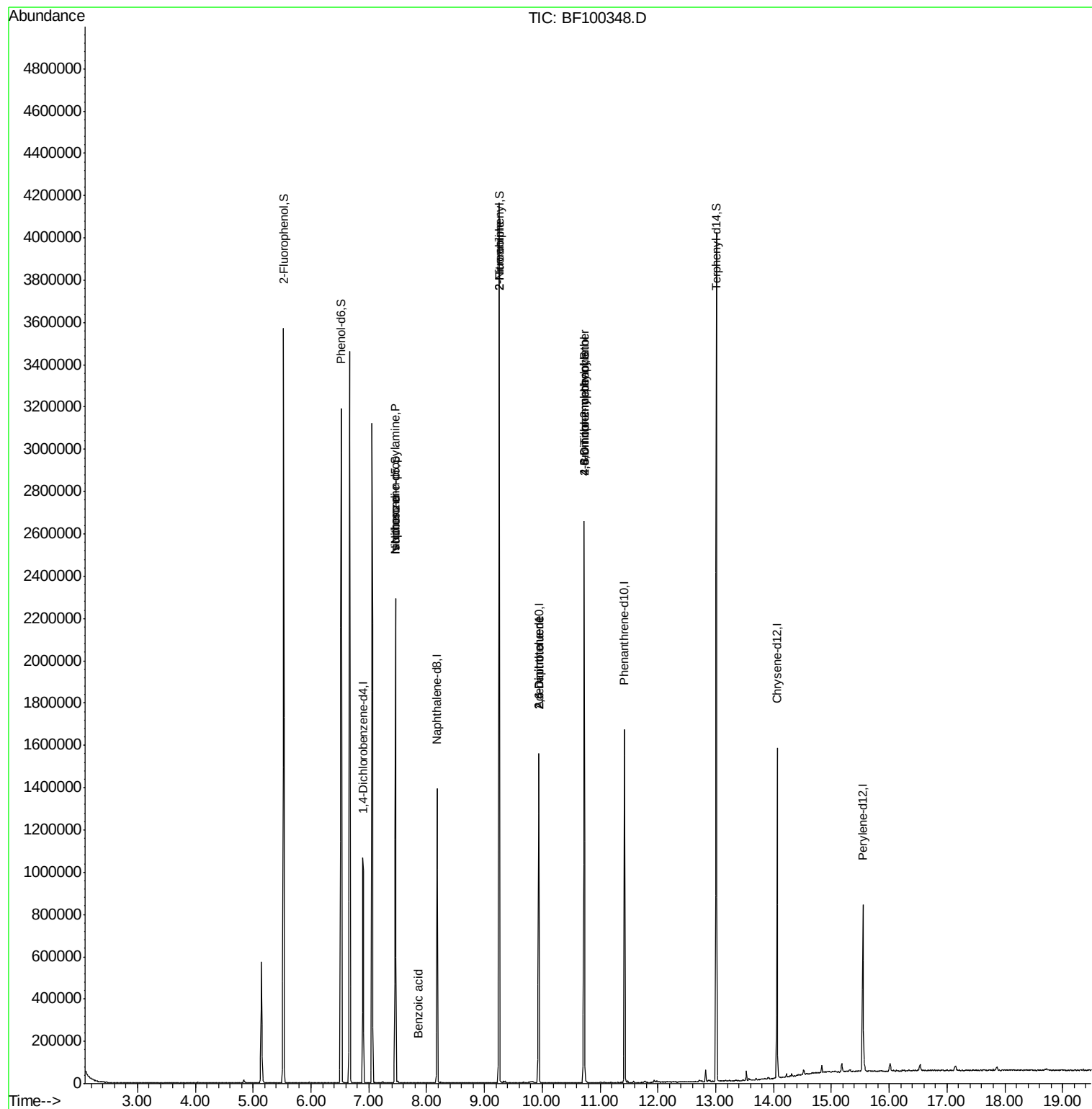
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	157824	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	633397	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	306056	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	620144	20.00	ng	0.00
75) Chrysene-d12	14.06	240	499050	20.00	ng	0.00
86) Perylene-d12	15.54	264	373247	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1017917	103.39	ng	0.02
7) Phenol-d6	6.52	99	1245769	102.61	ng	0.00
23) Nitrobenzene-d5	7.46	82	780882	81.51	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	347782	111.51	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1490276	74.15	ng	0.00
78) Terphenyl-d14	13.02	244	1505359	69.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	102132	12.130	ng	# 82
25) Isophorone	7.46	82	780309	38.759	ng	# 64
32) Benzoic acid	7.85	122	109	9.383	ng	# 1
47) 2-Nitroaniline	9.26	65	2356	3.175	ng	# 3
50) 2,6-Dinitrotoluene	9.94	165	39457	8.530	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	39457	6.762	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	736	8.763	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	21315	3.206	ng	# 1

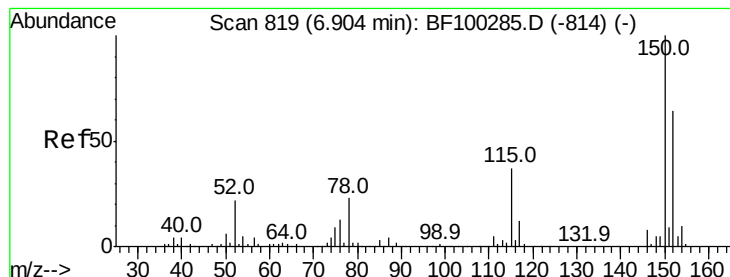
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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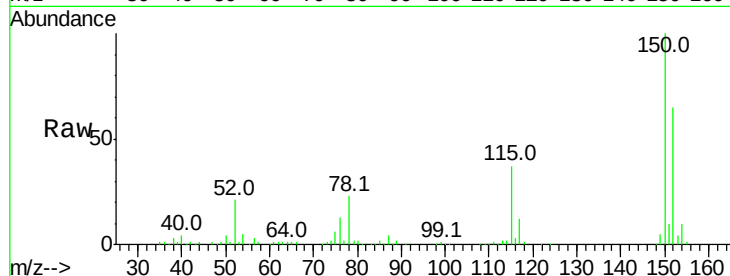


#1

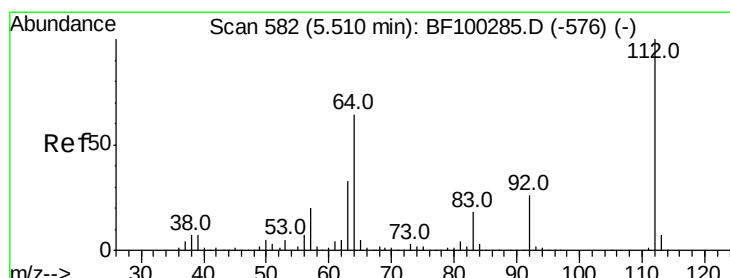
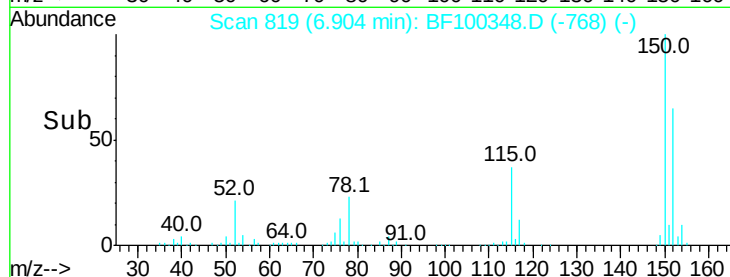
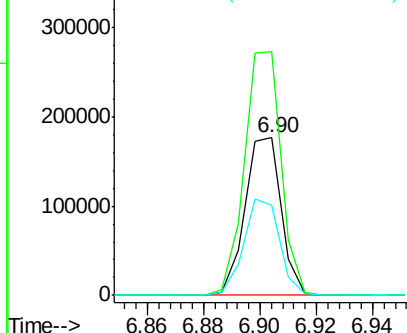
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157824
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 56.9 50.1 75.1



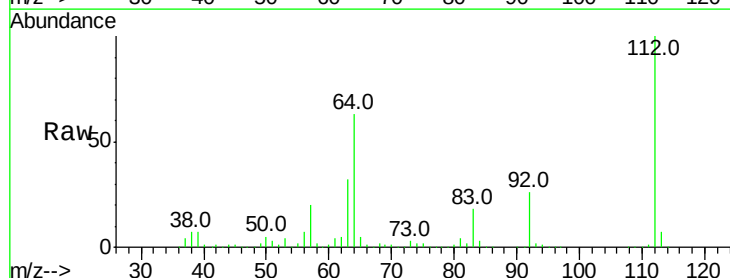
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



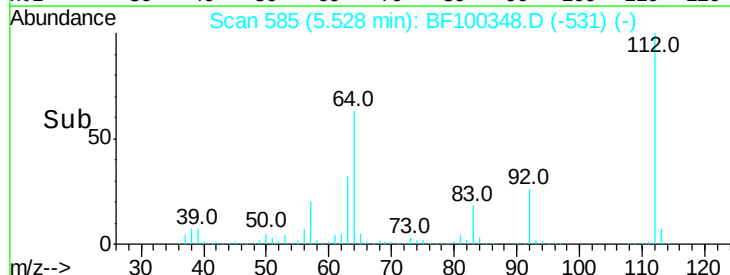
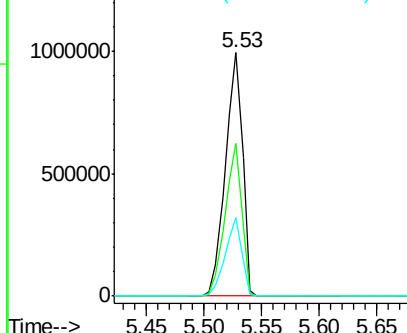
#5

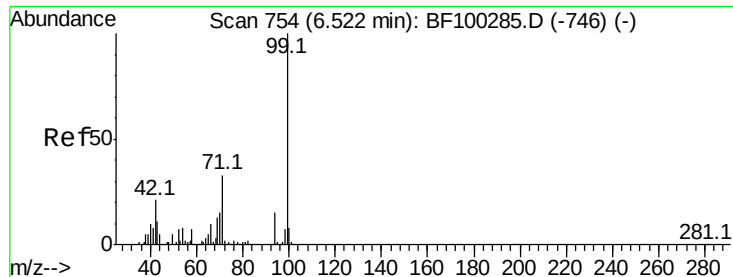
2-Fluorophenol
Concen: 103.388 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Tgt Ion:112 Resp: 1017917
Ion Ratio Lower Upper
112 100
64 62.9 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: 102.609 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

Instrument :

BNA_F

ClientSampled :

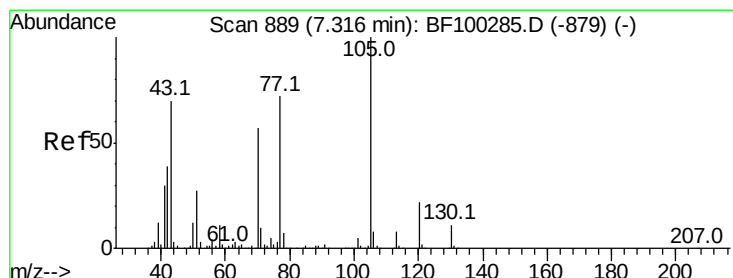
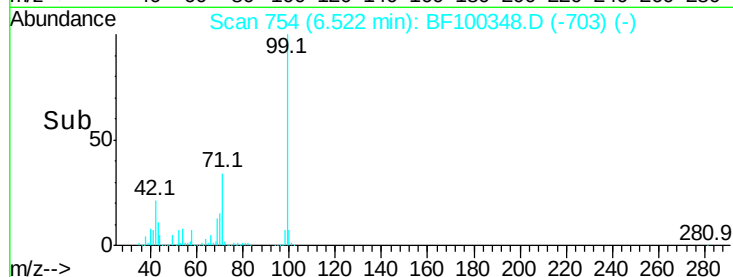
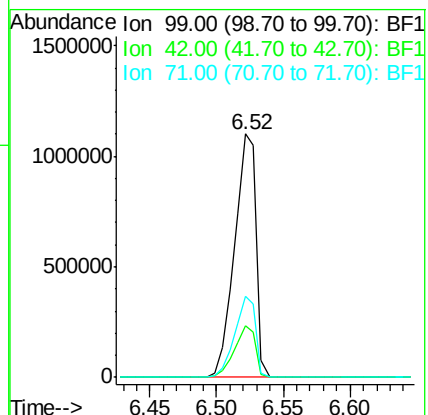
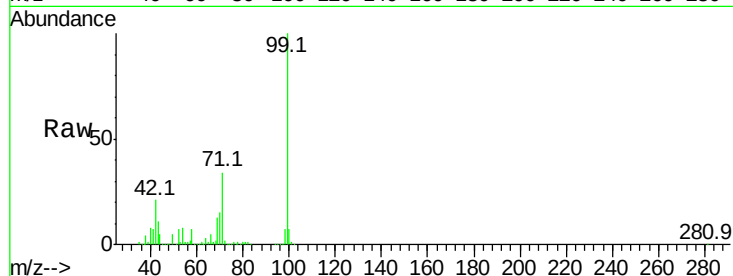
Tot Ion: 99 Resp: 1245769

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.130 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

Tgt Ion: 70 Resp: 102132

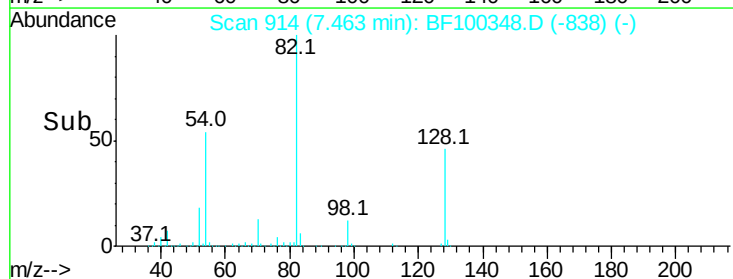
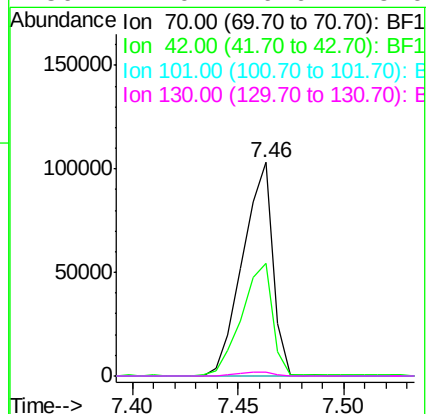
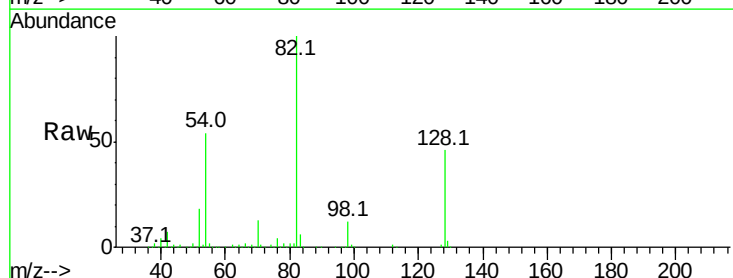
Ion Ratio Lower Upper

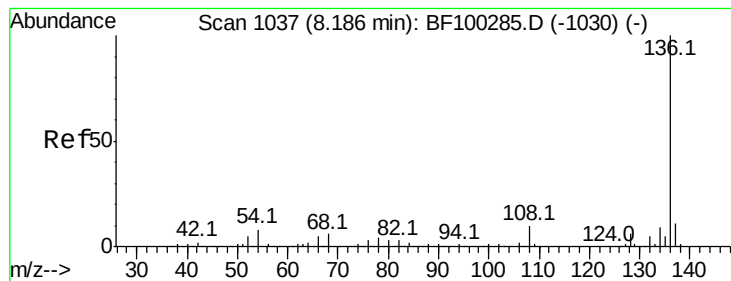
70 100

42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF100348.D

Acq: 9 Nov 2017 18:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 633397

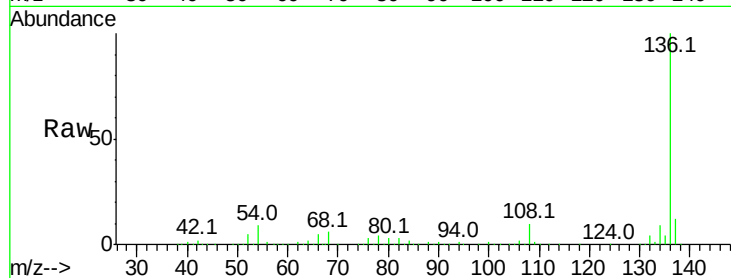
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.1 6.6 9.8

68 6.5 5.0 7.4

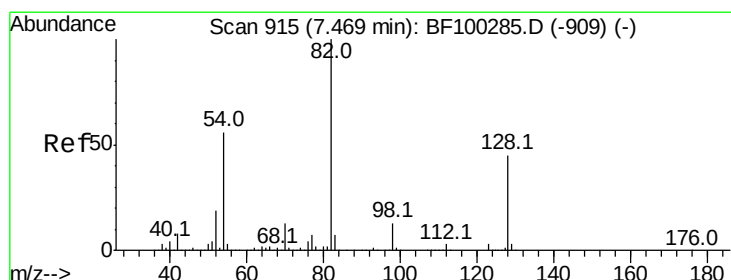
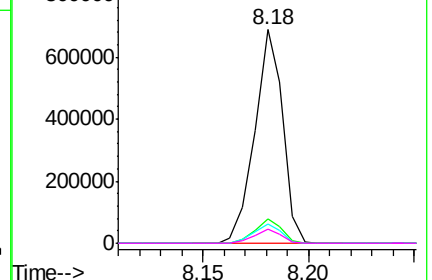
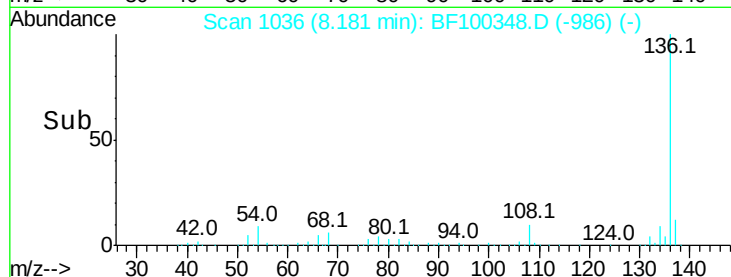


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.508 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

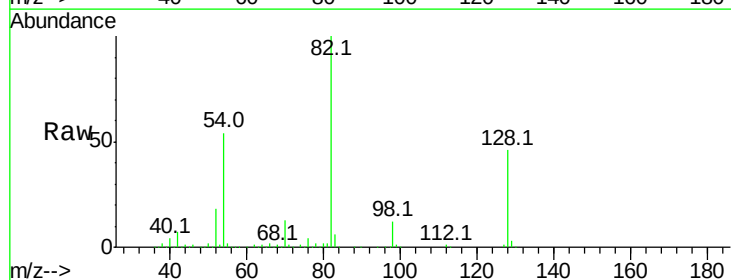
Tgt Ion: 82 Resp: 780882

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

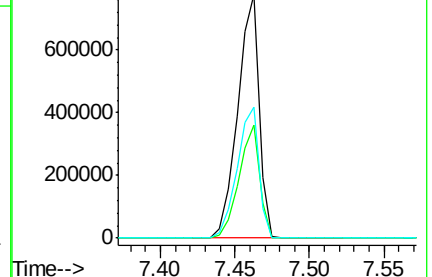
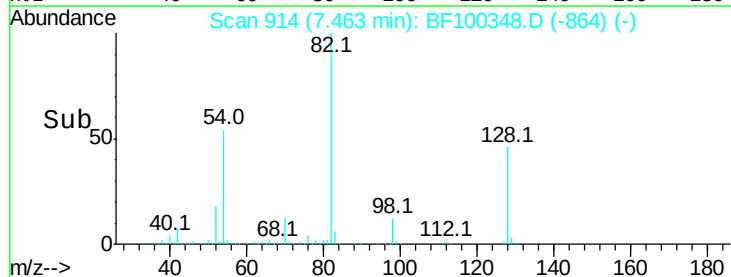
54 53.7 41.4 62.2

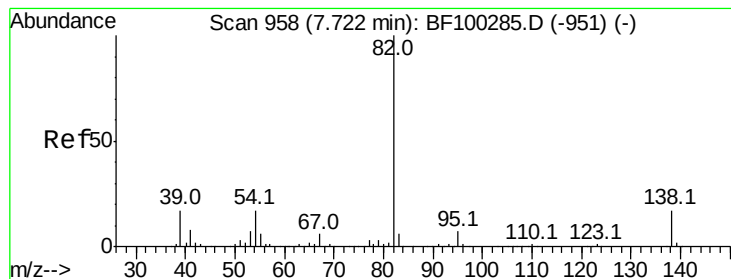


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.759 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

Instrument :

BNA_F

ClientSampleId :

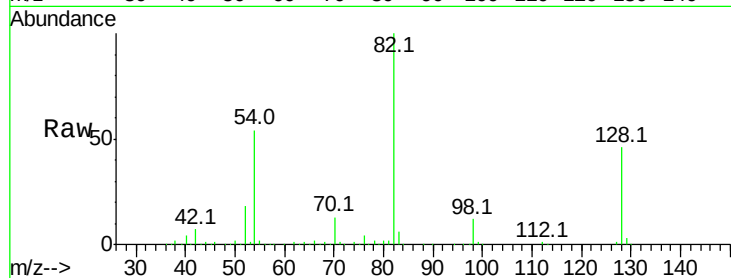
Tot Ion: 82 Resp: 780309

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

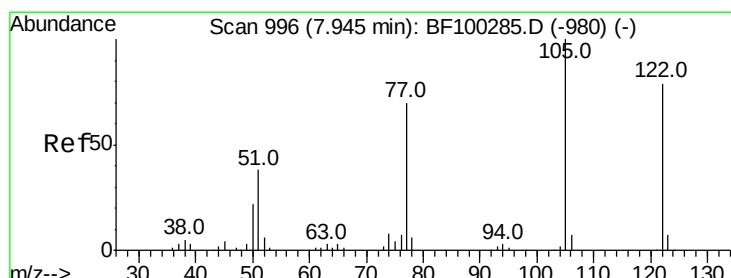
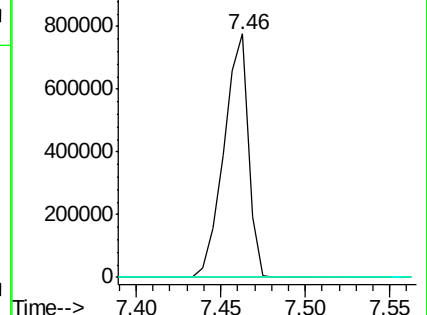
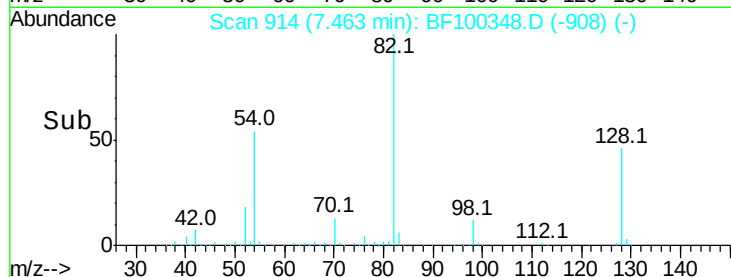
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 9.383 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.10 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

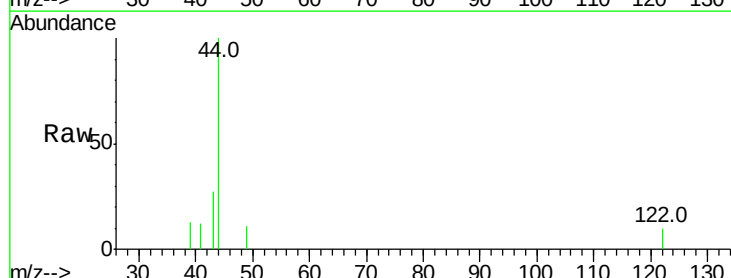
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

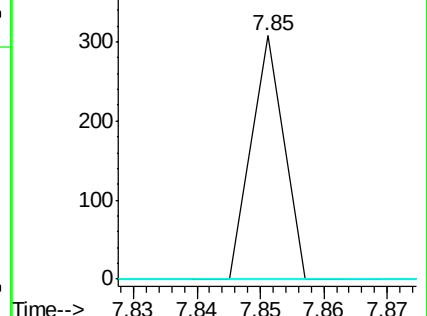
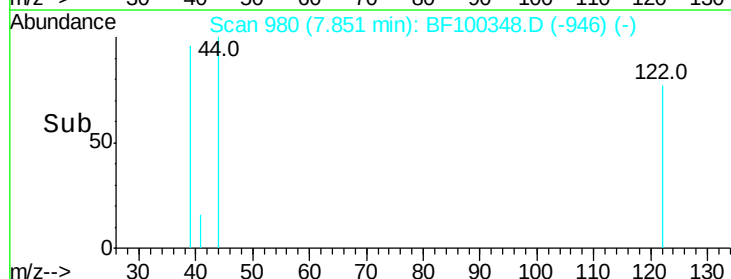
77 0.0 70.7 110.7#

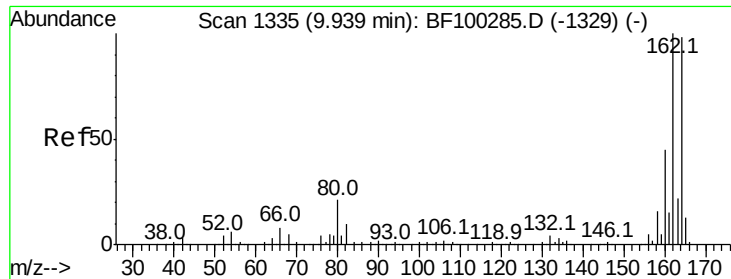


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

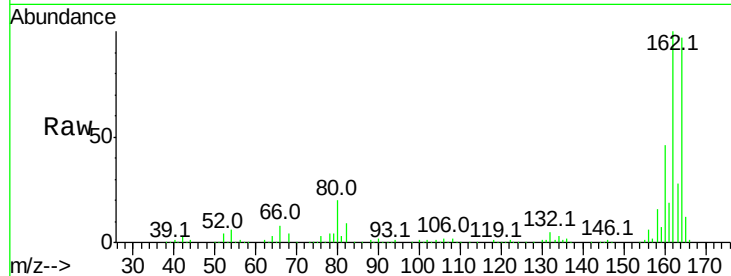




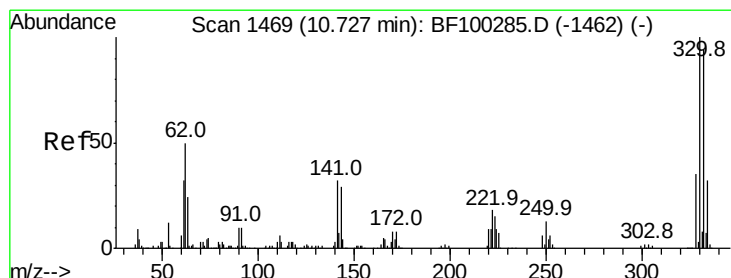
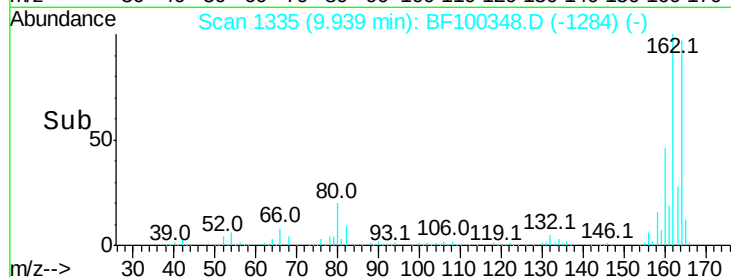
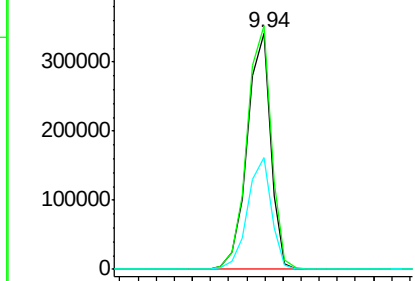
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 306056
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 47.3 38.3 57.5

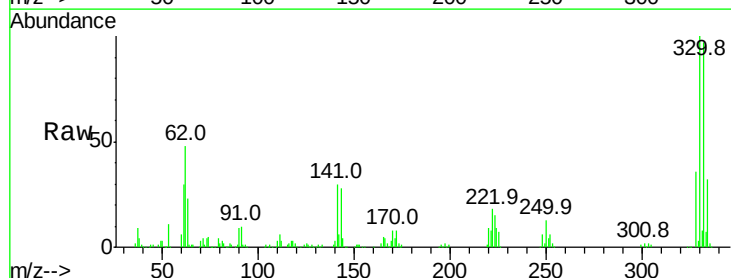


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

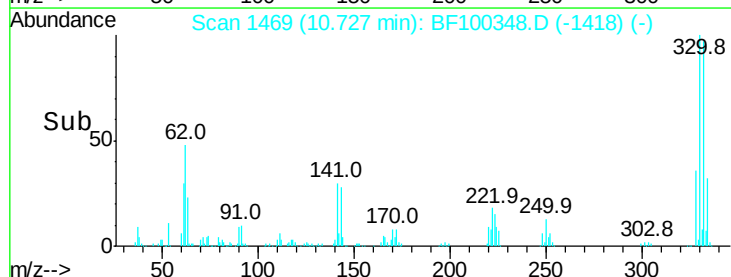
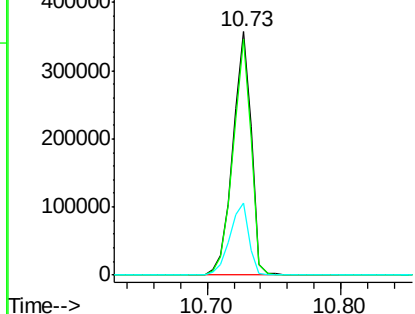


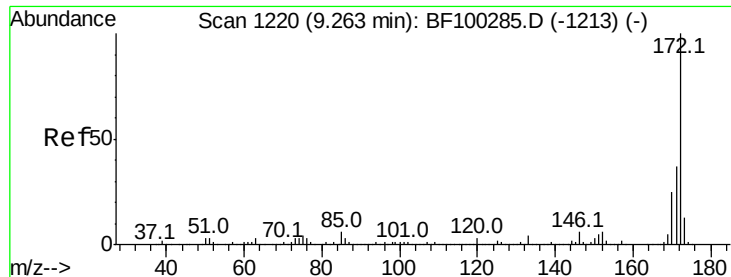
#41
2,4,6-Tribromophenol
Concen: 111.515 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Tgt Ion:330 Resp: 347782
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 30.7 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

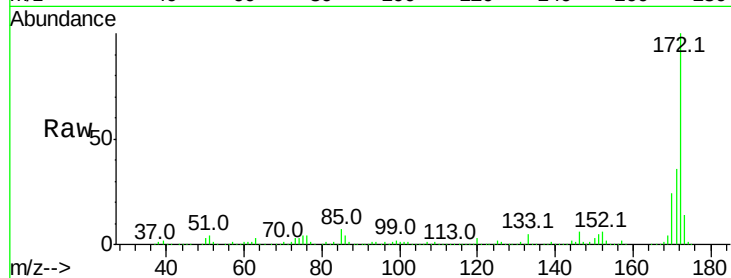




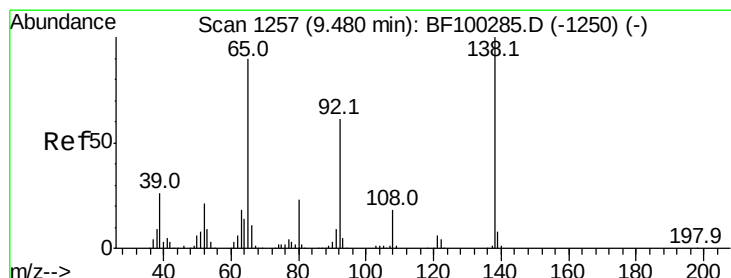
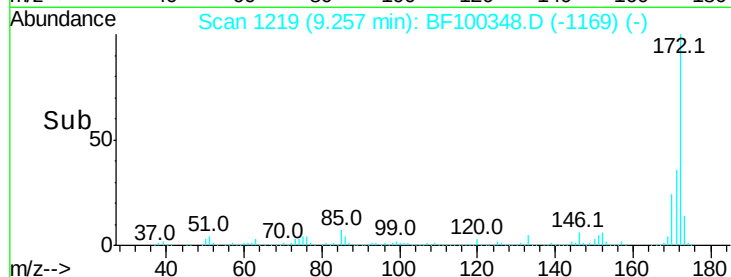
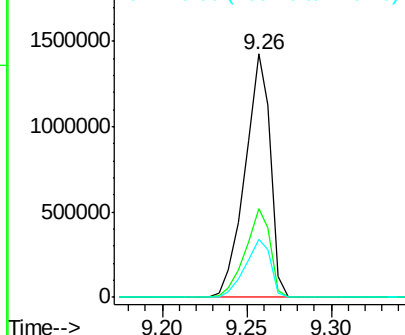
#44
2-Fluorobiphenyl
Concen: 74.145 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1490276
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.9 19.6 29.4

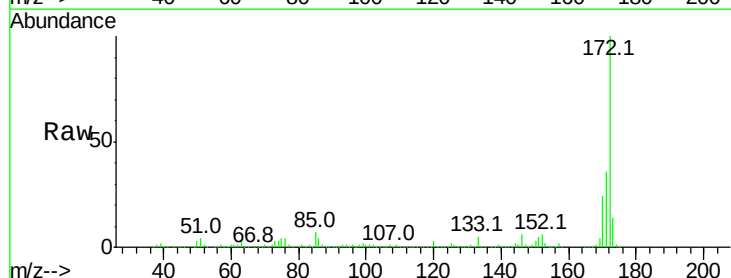


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

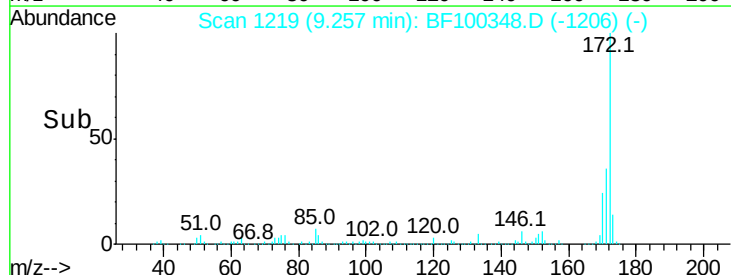
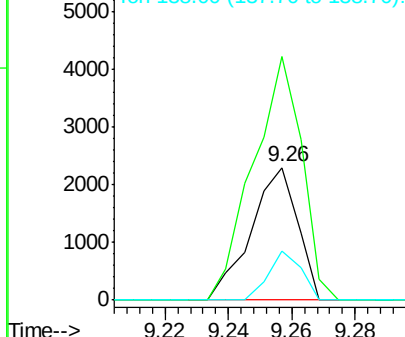


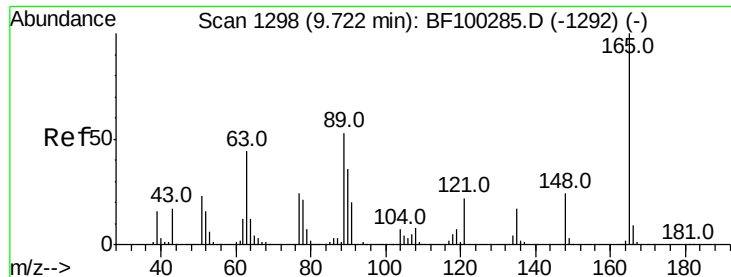
#47
2-Nitroaniline
Concen: 3.175 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100348.D
Acq: 9 Nov 2017 18:47

Tgt Ion: 65 Resp: 2356
Ion Ratio Lower Upper
65 100
92 184.0 55.8 83.6#
138 37.3 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): E





#50

2,6-Dinitrotoluene

Concen: 8.530 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100348.D

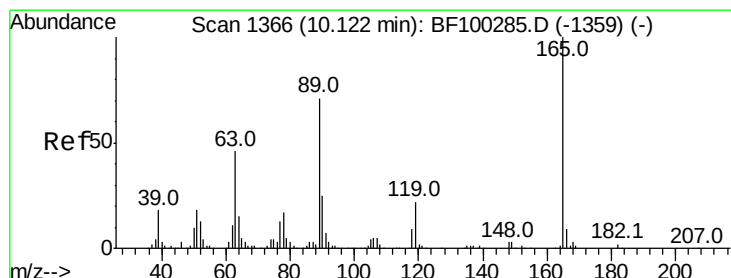
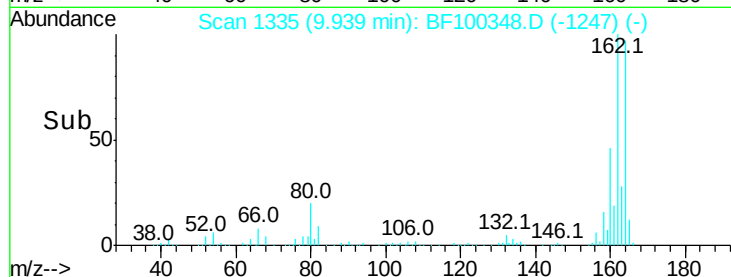
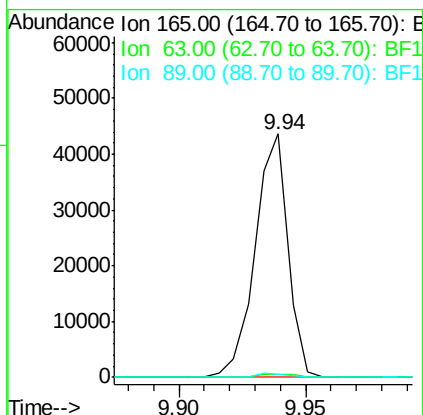
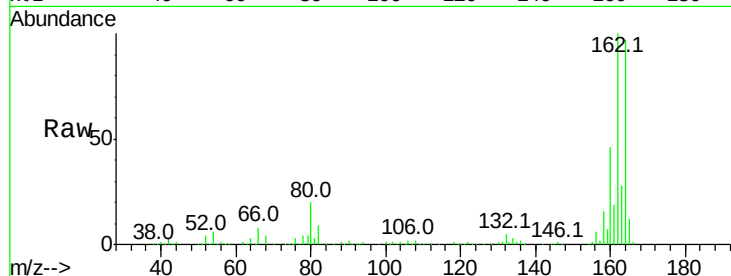
Acq: 9 Nov 2017 18:47

Instrument :

BNA_F

ClientSampled :

Tot Ion:	165	Resp:	39457
Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



#56

2,4-Dinitrotoluene

Concen: 6.762 ng

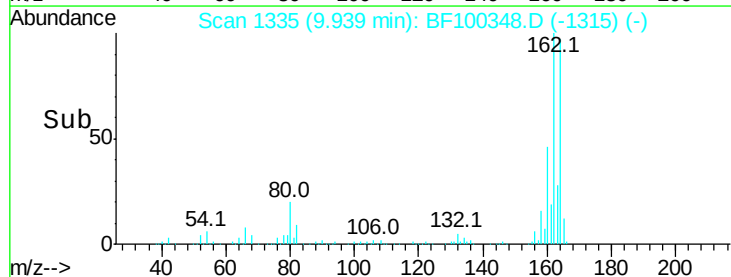
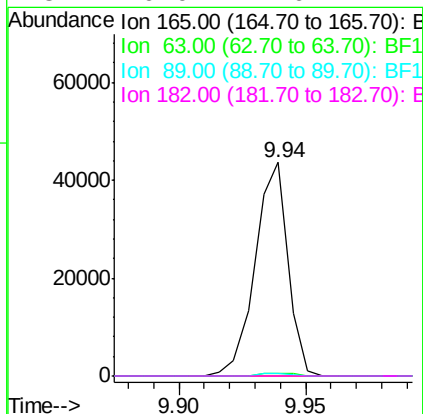
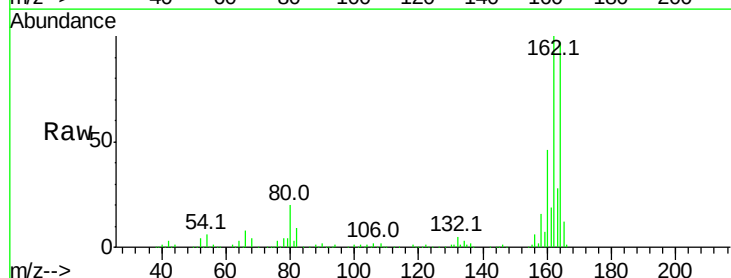
RT: 9.94 min Scan# 1335

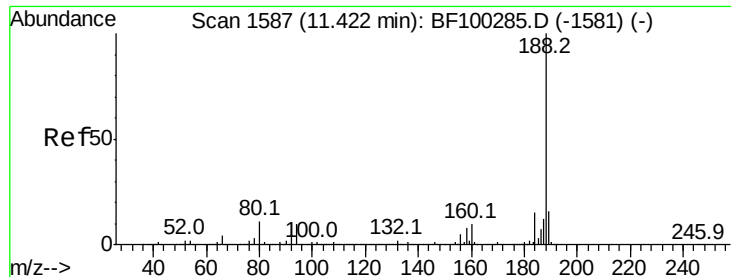
Delta R.T. -0.18 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

Tgt Ion:	165	Resp:	39457
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

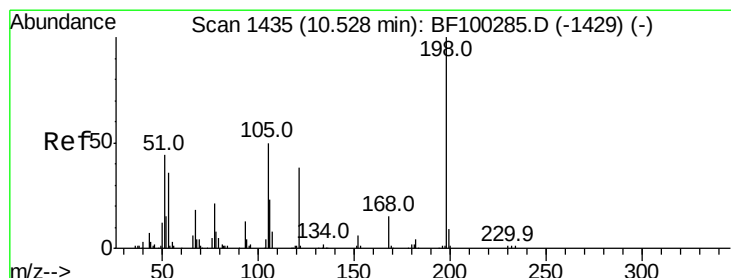
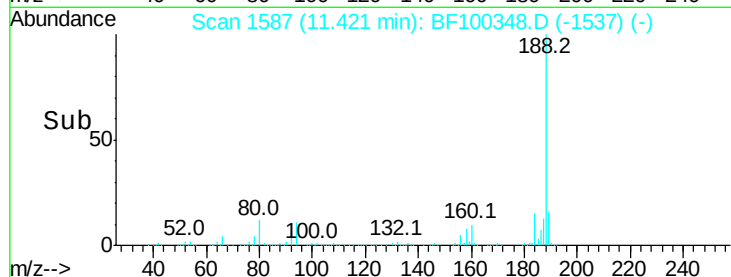
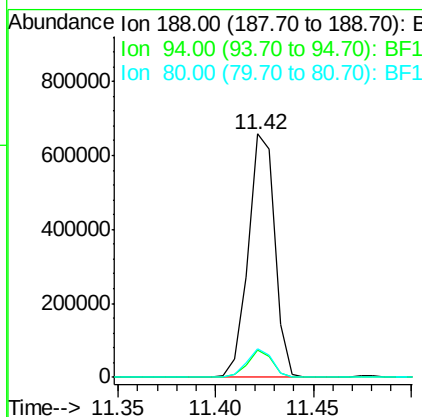
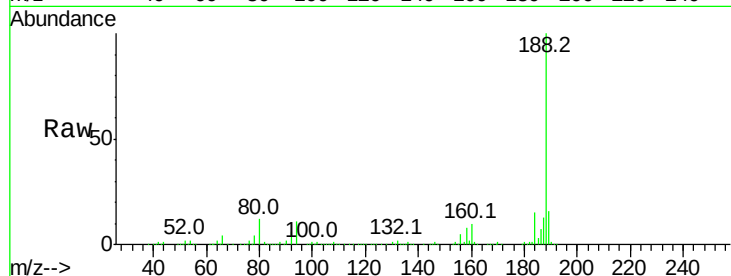




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100348.D
 Acq: 9 Nov 2017 18:47

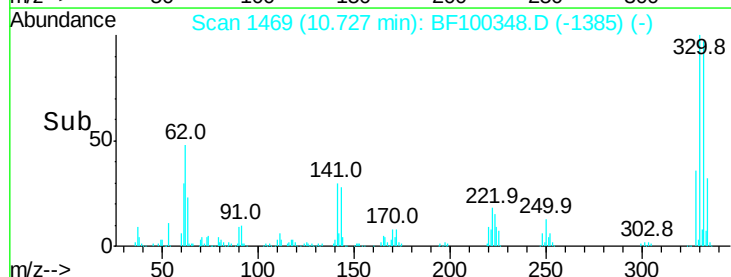
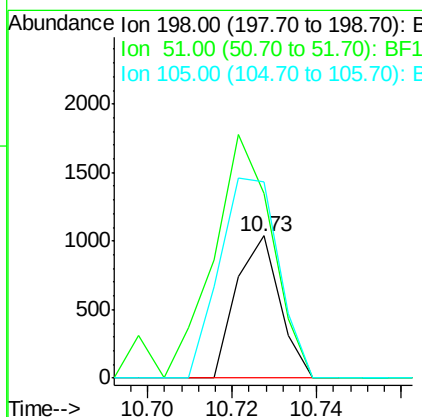
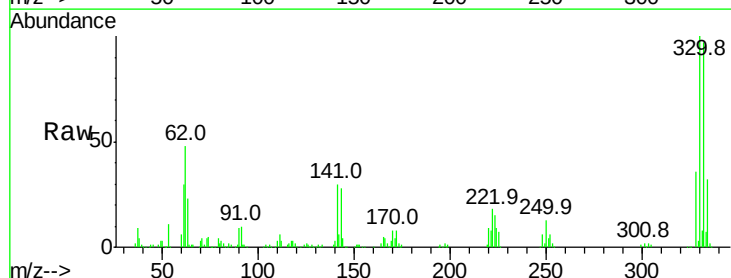
Instrument :
 BNA_F
 ClientSampleId :

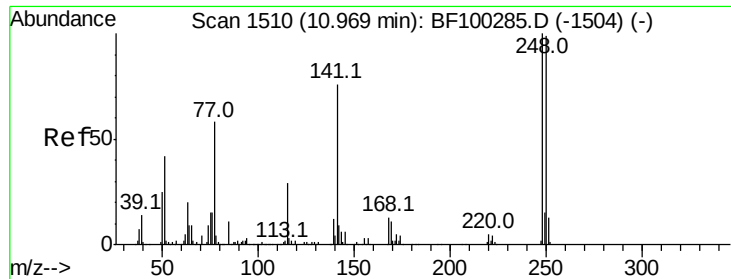
Tot Ion:188 Resp: 620144
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.763 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100348.D
 Acq: 9 Nov 2017 18:47

Tgt Ion:198 Resp: 736
 Ion Ratio Lower Upper
 198 100
 51 129.8 37.7 77.7#
 105 138.1 36.3 76.3#

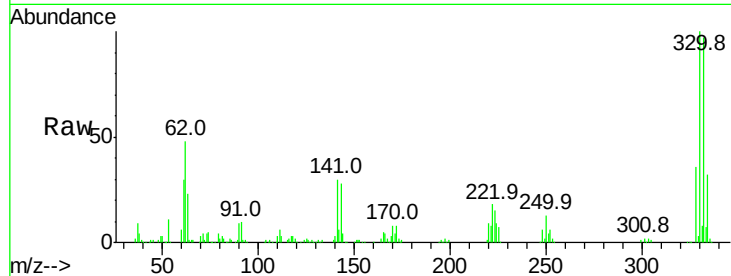




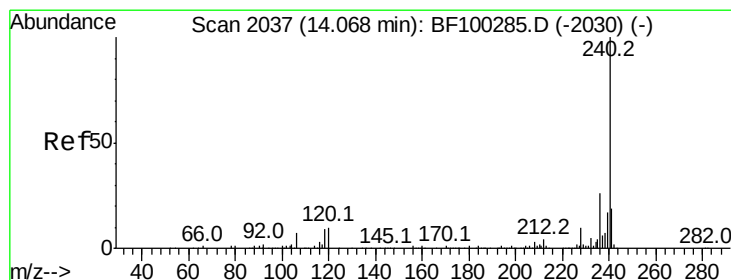
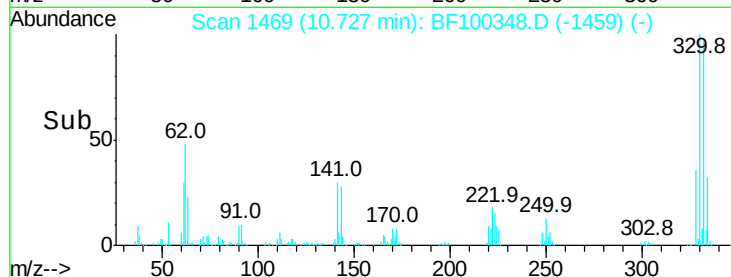
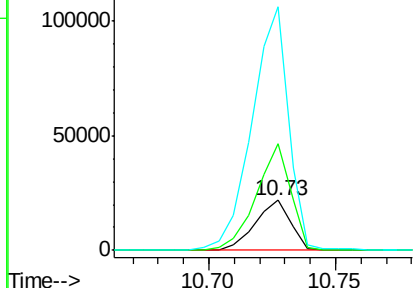
#66
 4-Bromophenyl-phenylether
 Concen: 3.206 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100348.D
 Acq: 9 Nov 2017 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21315
 Ion Ratio Lower Upper
 248 100
 250 212.0 76.9 115.3#
 141 485.0 74.4 111.6#

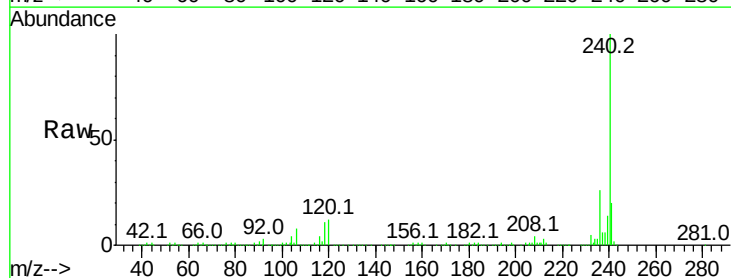


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

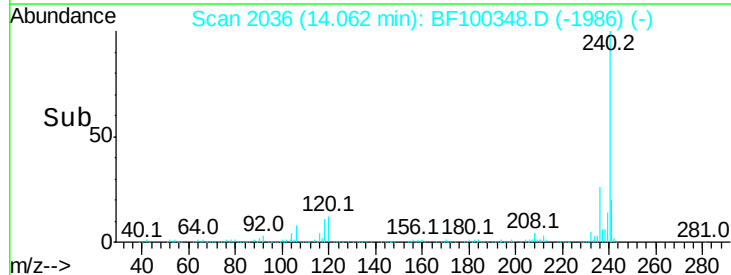
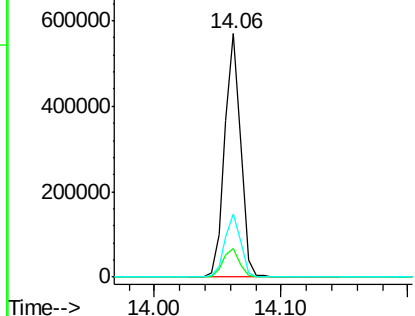


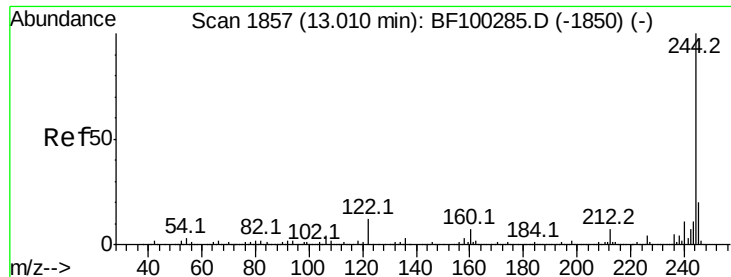
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100348.D
 Acq: 9 Nov 2017 18:47

Tgt Ion:240 Resp: 499050
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 25.8 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: 69.309 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

Instrument :

BNA_F

ClientSampleId :

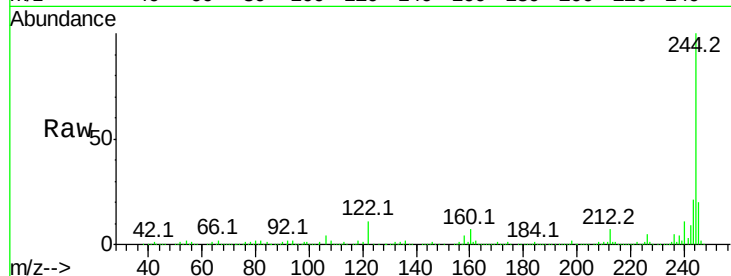
Tot Ion:244 Resp: 1505359

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

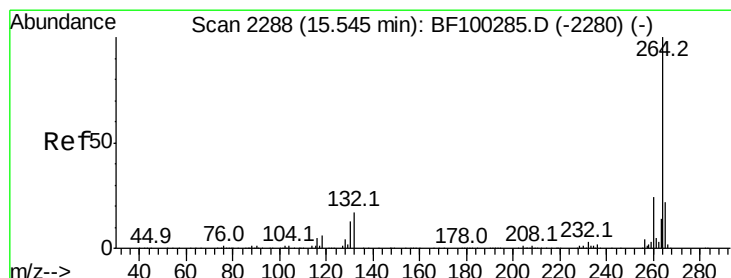
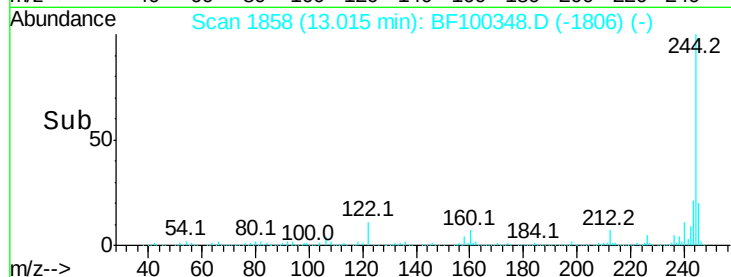
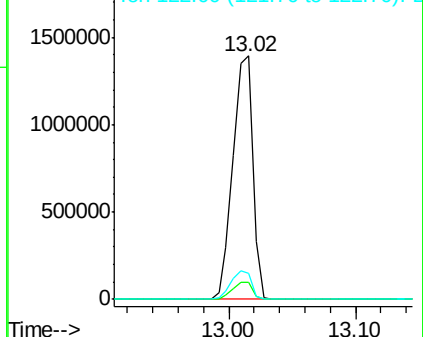
122 10.9 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF100348.D

Acq: 9 Nov 2017 18:47

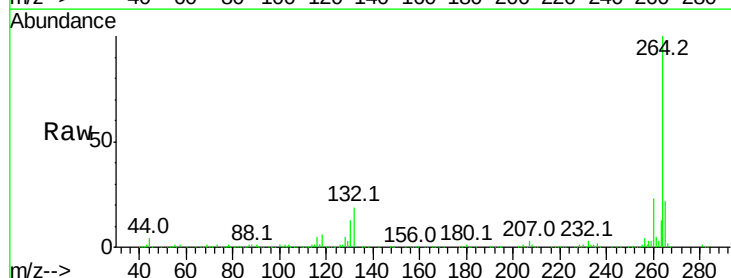
Tgt Ion:264 Resp: 373247

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.7 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

