

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099235.D
 Acq On : 8 Oct 2017 16:36
 Operator : SJ/JU
 Sample : I5716-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:11:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

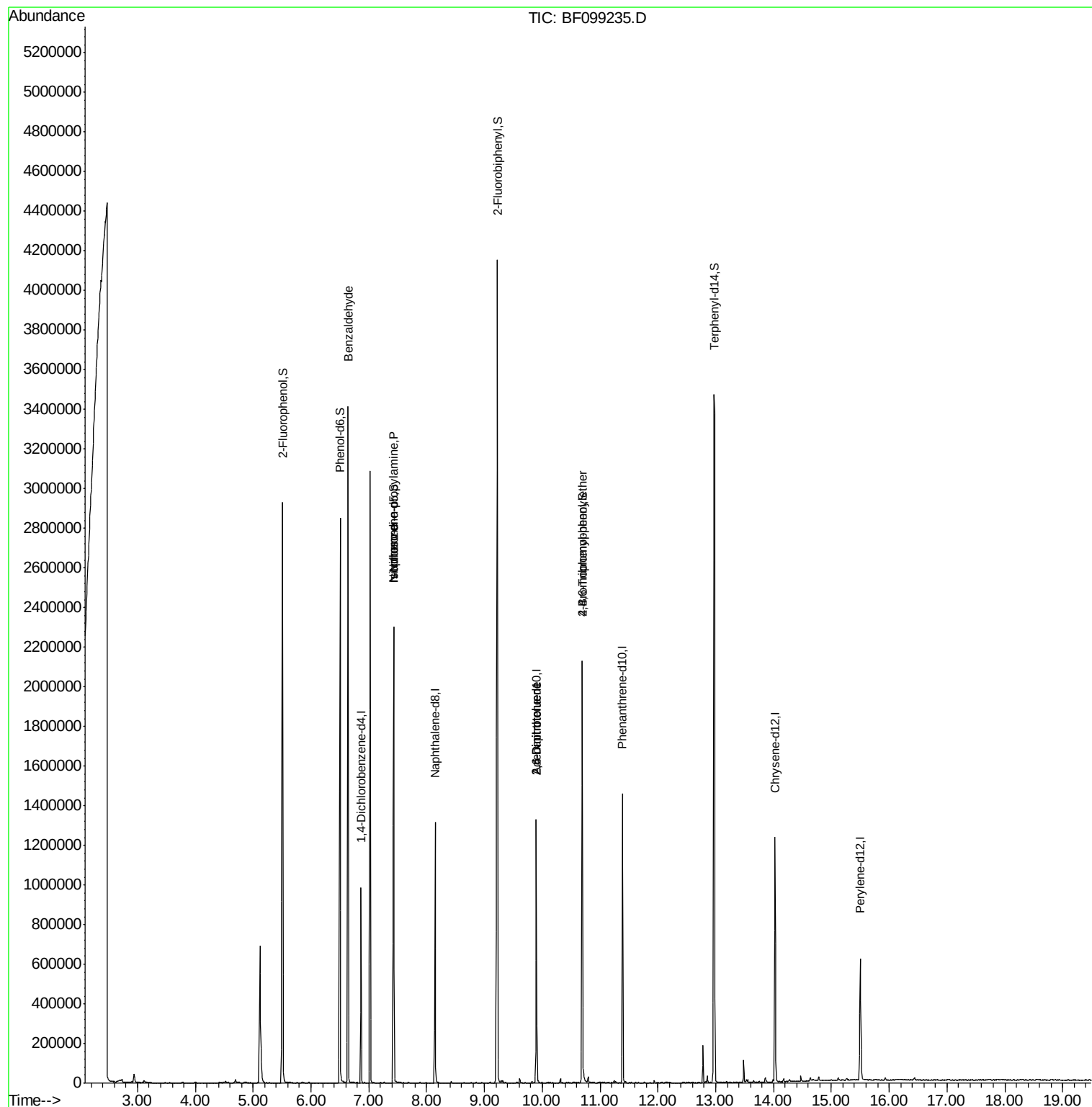
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	144458	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	600352	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	278182	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	491180	20.00	ng	0.00
75) Chrysene-d12	14.03	240	385749	20.00	ng	0.00
86) Perylene-d12	15.50	264	285418	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1059705	116.78	ng	0.03
7) Phenol-d6	6.50	99	1136149	101.49	ng	0.00
23) Nitrobenzene-d5	7.43	82	878547	93.85	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	325261	142.89	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1560048	93.62	ng	0.00
78) Terphenyl-d14	12.97	244	1433575	84.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	22651	3.49	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.43	70	113286	15.85	ng	# 74
25) Isophorone	7.43	82	878535	45.39	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	34859	7.63	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	34859	5.88	ng	# 23
66) 4-Bromophenyl-phenylether	10.70	248	20526	4.27	ng	# 1

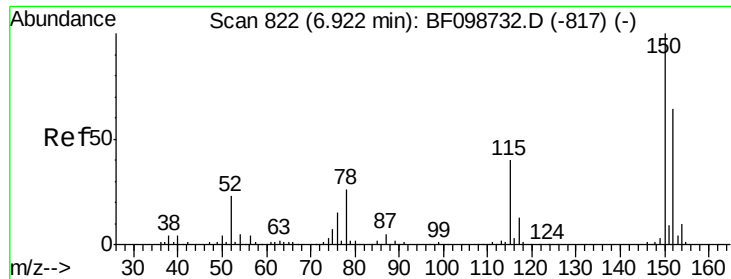
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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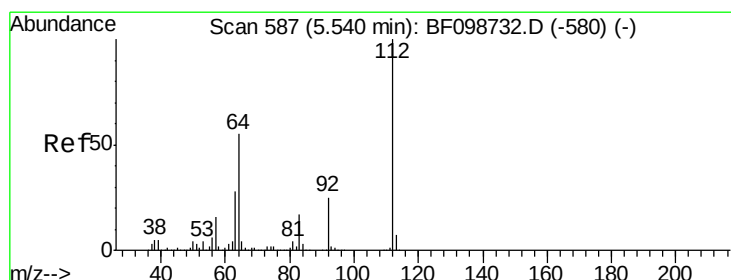
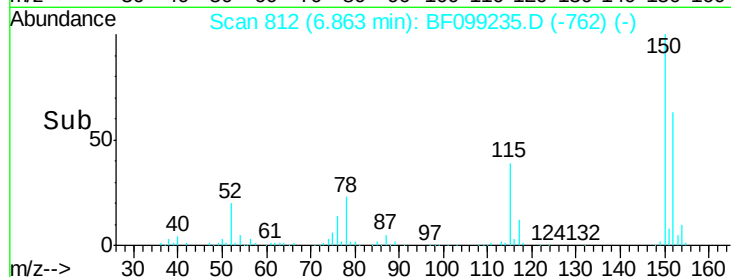
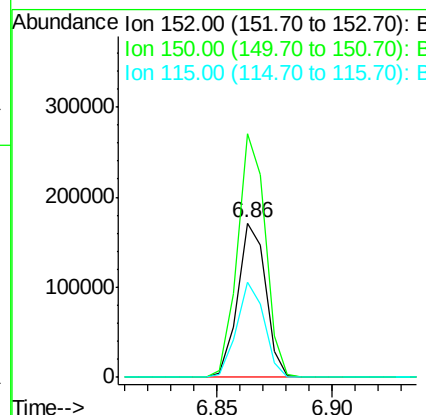
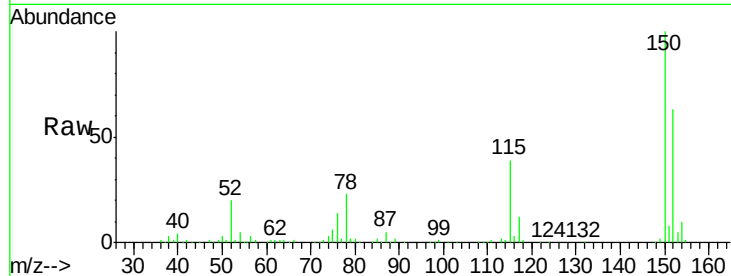


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Instrument :
BNA_F
ClientSampleId :

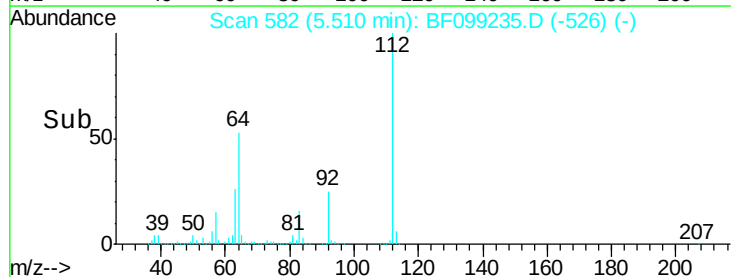
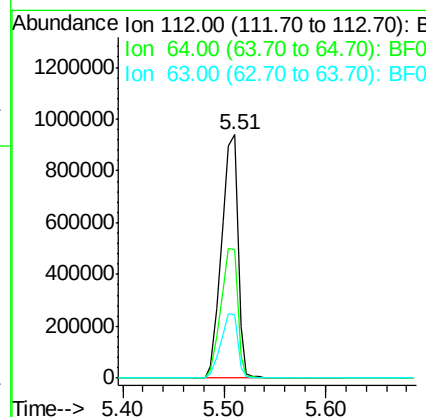
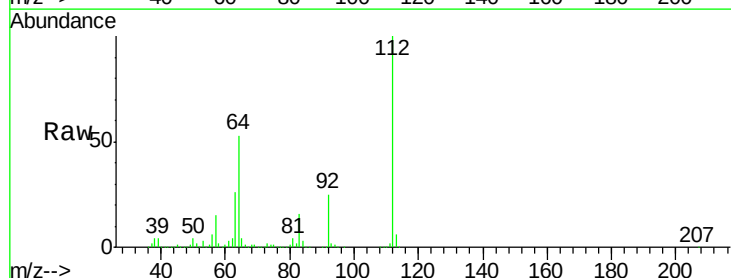
Tot Ion:152 Resp: 144458
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 61.7 50.1 75.1

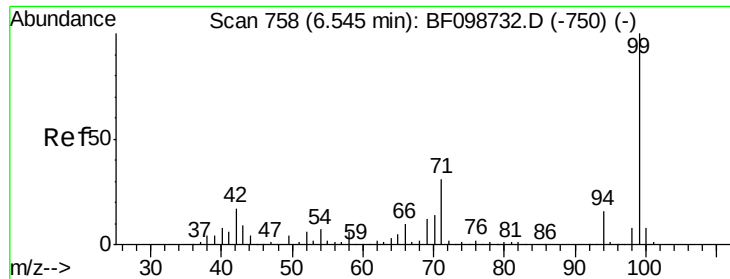


#5

2-Fluorophenol
Concen: 116.78 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.03 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Tgt Ion:112 Resp: 1059705
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 26.0 23.7 35.5





#7

Phenol-d6

Concen: 101.49 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

Instrument :

BNA_F

ClientSampled :

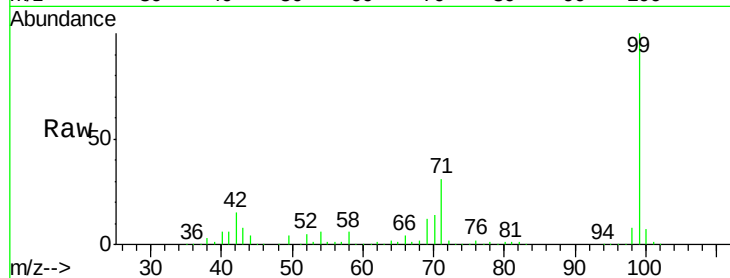
Tot Ion: 99 Resp: 1136149

Ion Ratio Lower Upper

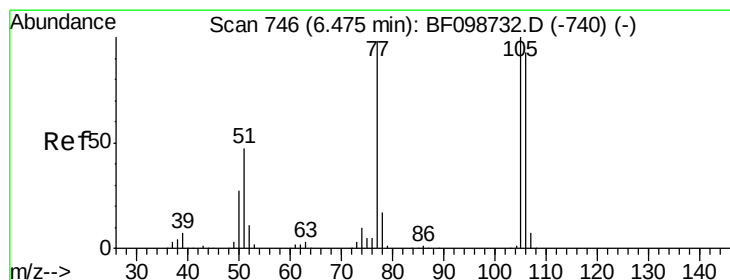
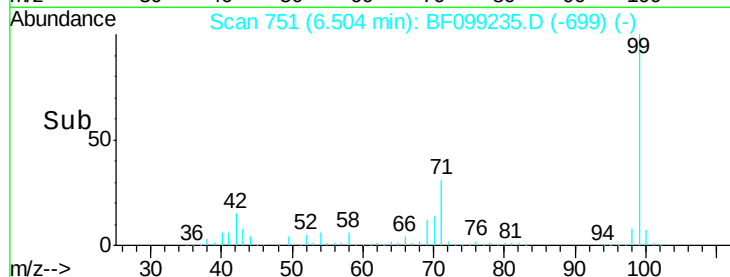
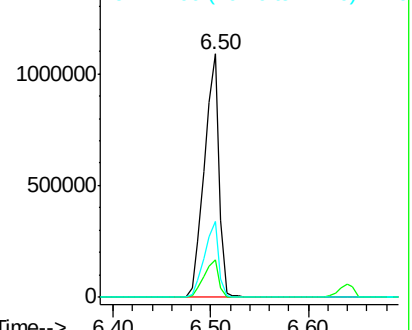
99 100

42 15.4 14.5 21.7

71 31.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.49 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

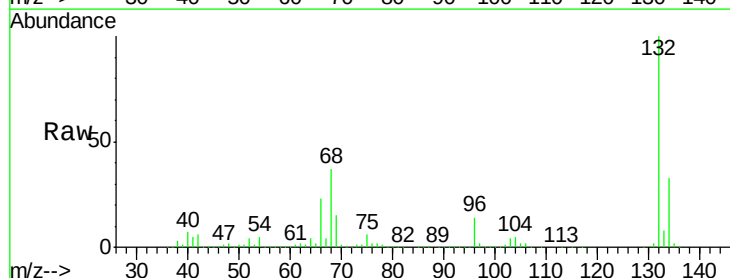
Tgt Ion: 77 Resp: 22651

Ion Ratio Lower Upper

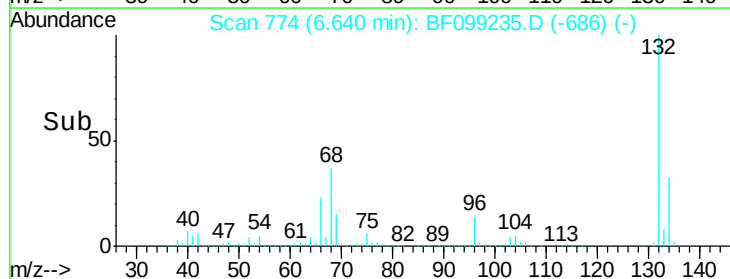
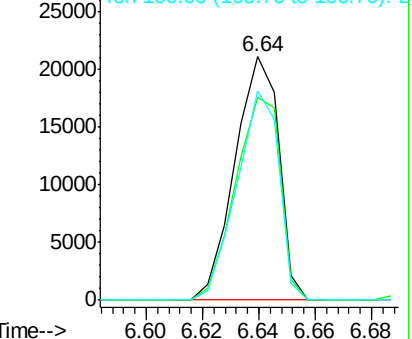
77 100

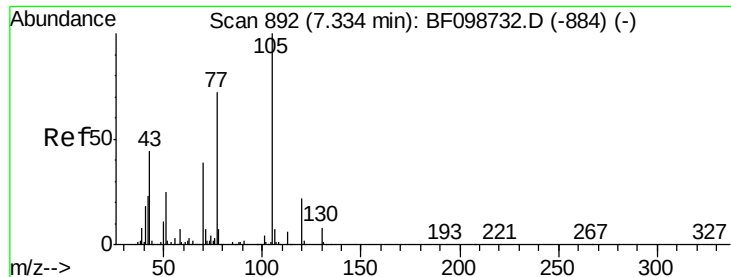
105 83.4 81.1 121.1

106 86.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

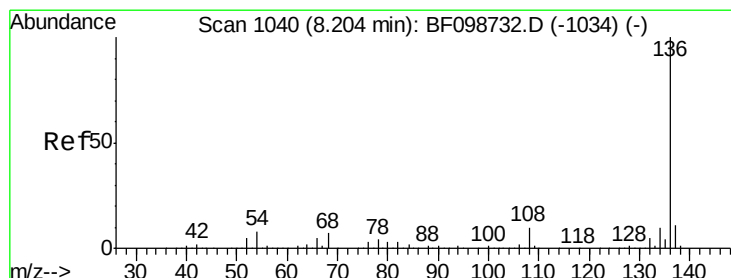
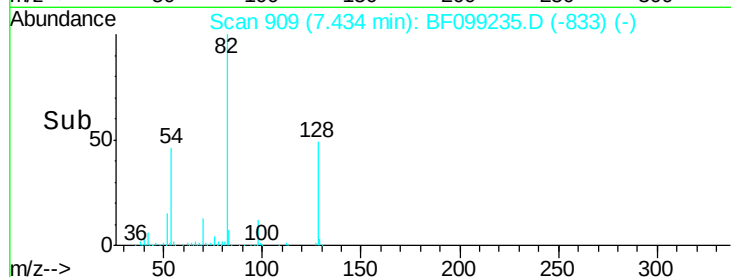
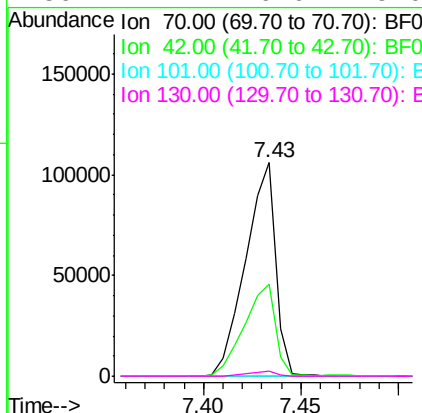
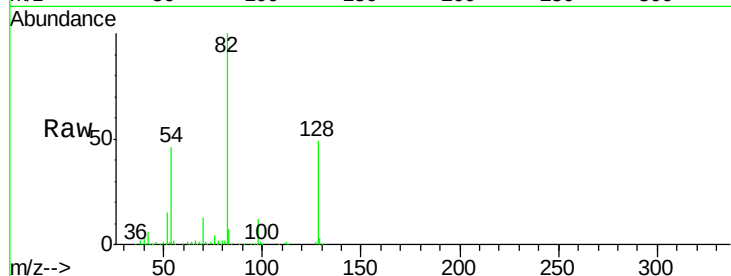




#19
n-Nitroso-di-n-propylamine
Concen: 15.85 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

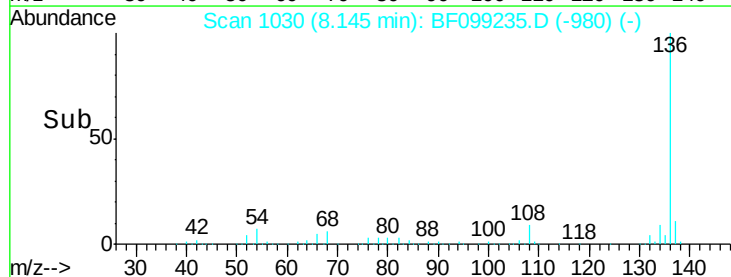
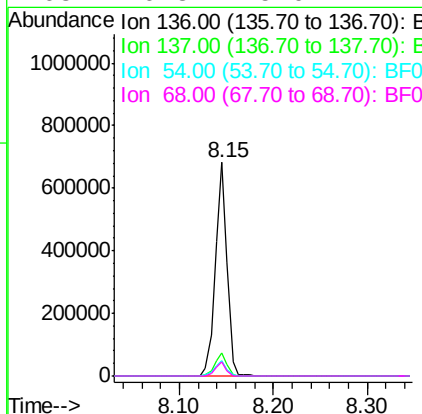
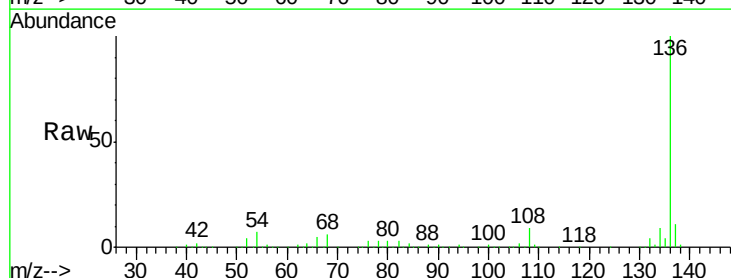
Instrument :
BNA_F
ClientSampleId :

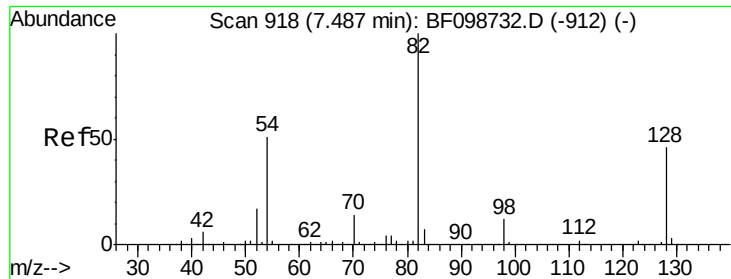
Tot Ion: 70 Resp: 113286
Ion Ratio Lower Upper
70 100
42 43.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Tgt Ion:136 Resp: 600352
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 6.6 9.8
68 6.3 5.0 7.4

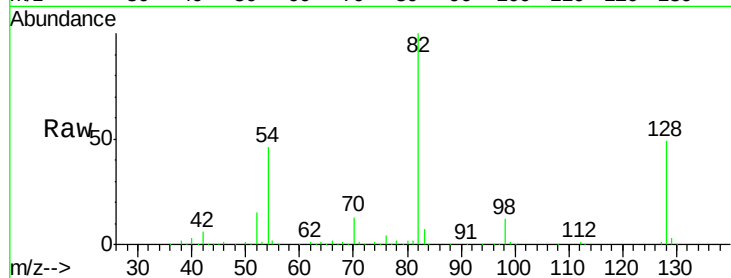




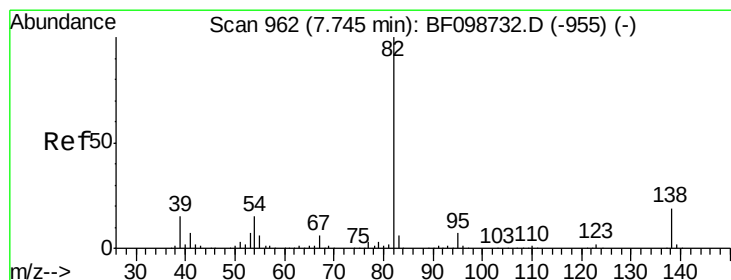
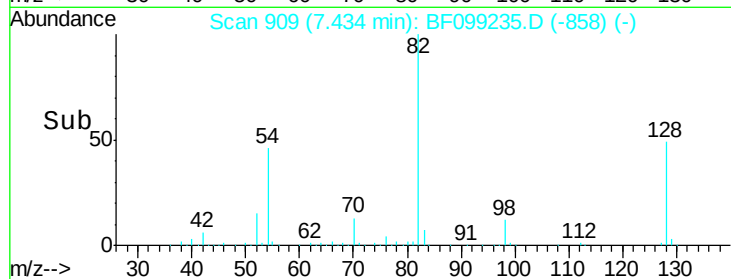
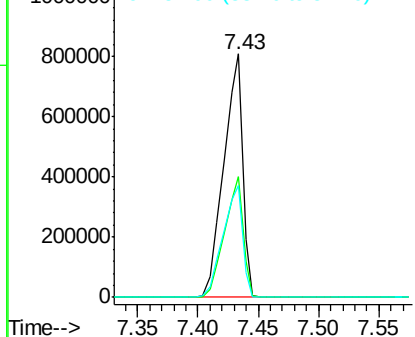
#23
Nitrobenzene-d5
Concen: 93.85 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	878547
Ion Ratio	100	Lower	Upper
128	49.5	36.1	54.1
54	46.2	41.4	62.2

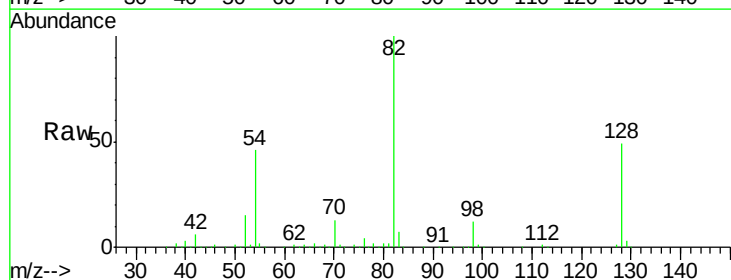


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

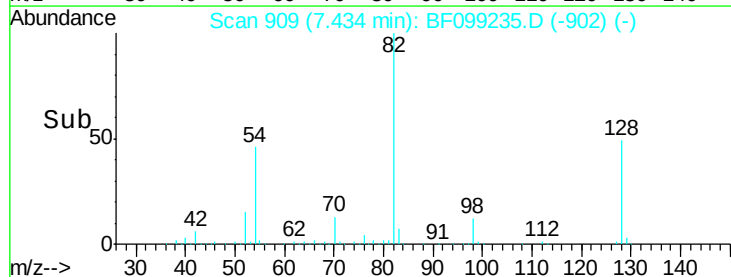
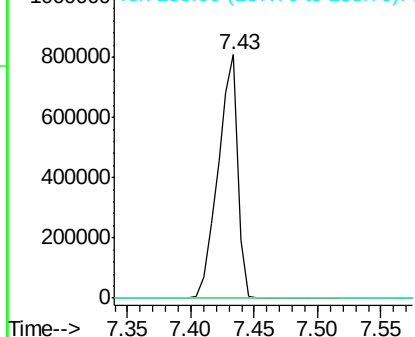


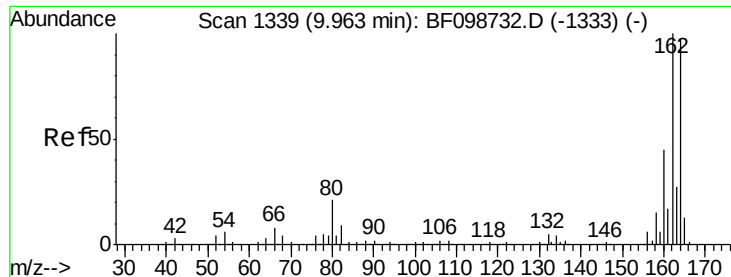
#25
Isophorone
Concen: 45.39 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Tgt Ion	82	Resp	878535
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

Instrument :

BNA_F

ClientSampleId :

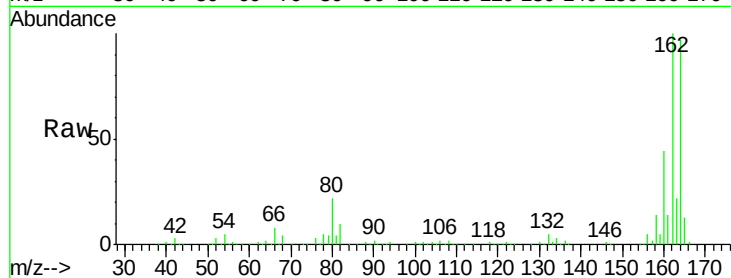
Tot Ion:164 Resp: 278182

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

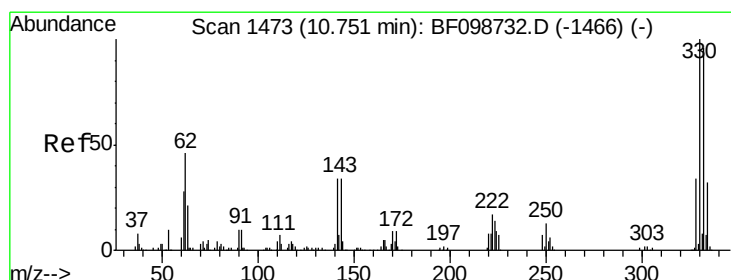
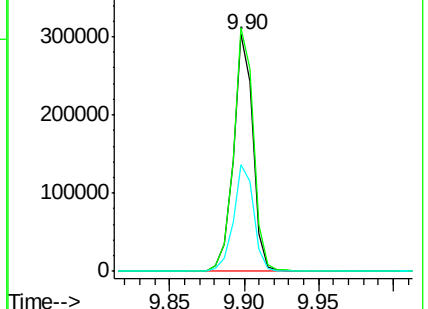
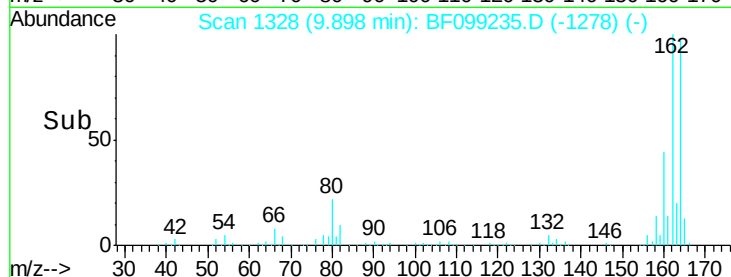
160 45.3 38.3 57.5



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: 142.89 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

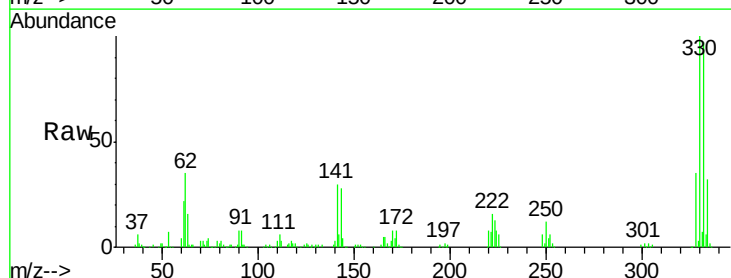
Tgt Ion:330 Resp: 325261

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

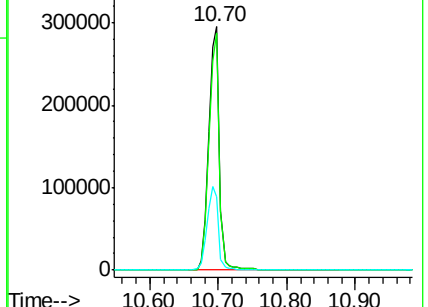
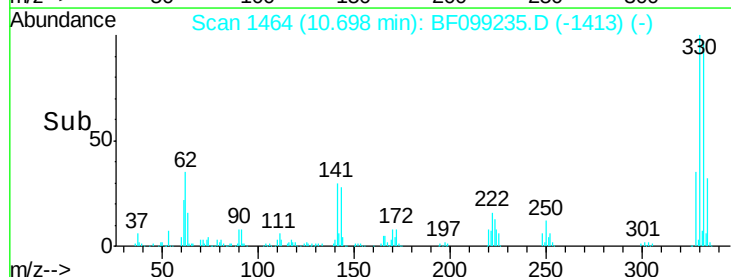
141 36.7 29.9 44.9

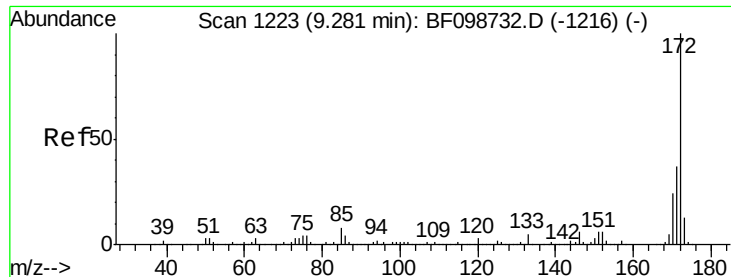


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

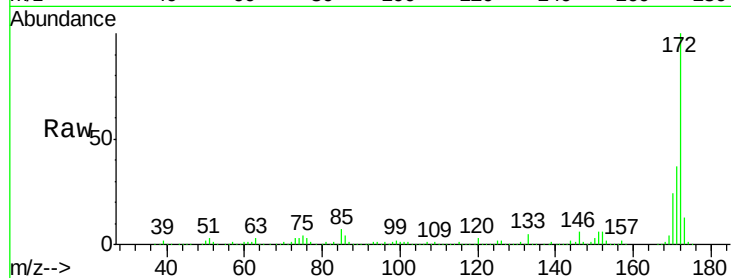




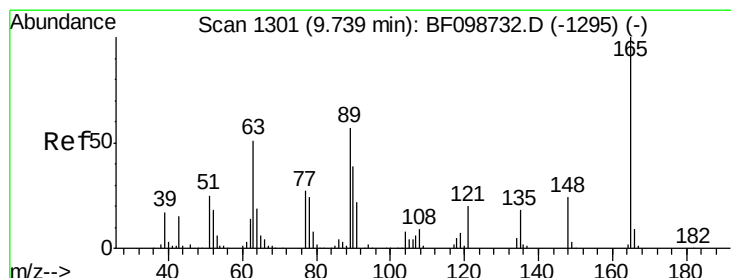
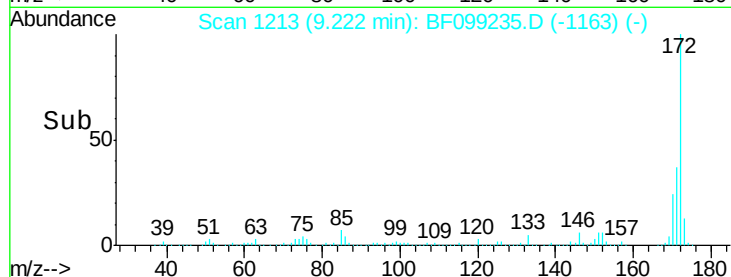
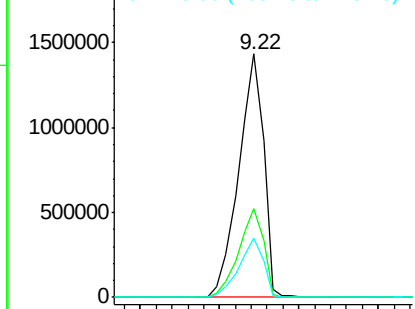
#44
2-Fluorobiphenyl
Concen: 93.62 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1560048
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.2 19.6 29.4

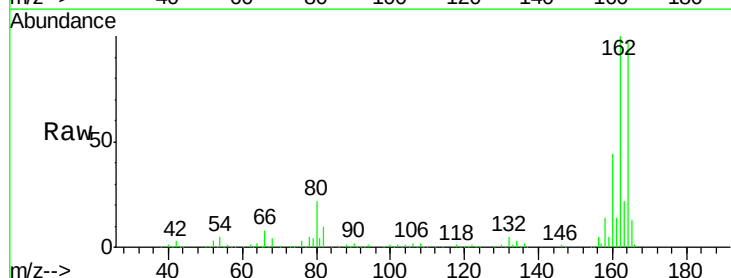


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

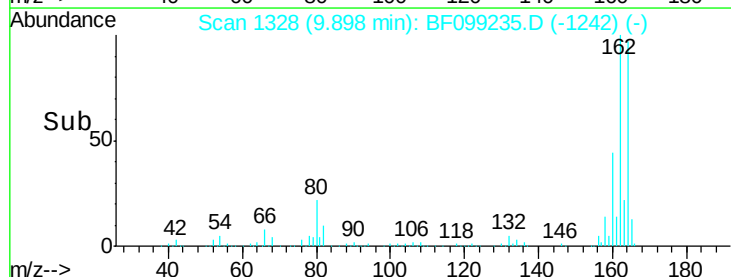
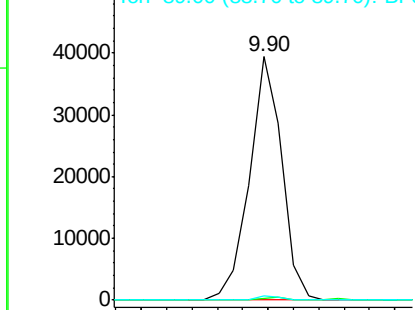


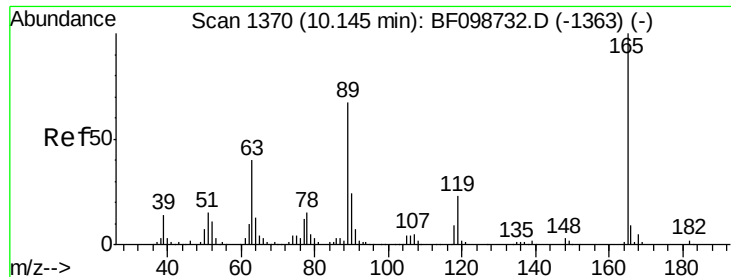
#50
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Tgt Ion:165 Resp: 34859
Ion Ratio Lower Upper
165 100
63 0.8 44.7 67.1#
89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

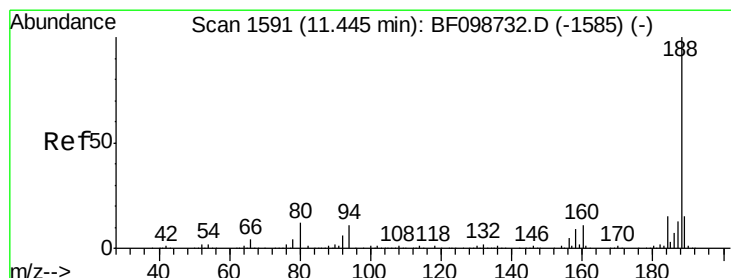
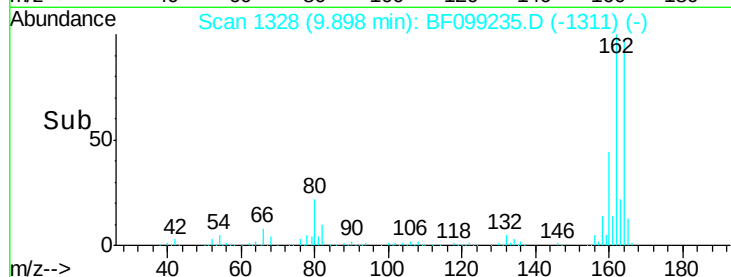
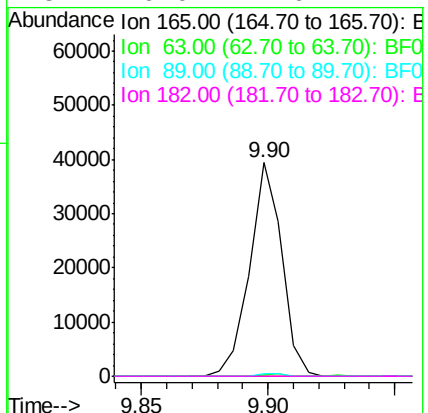
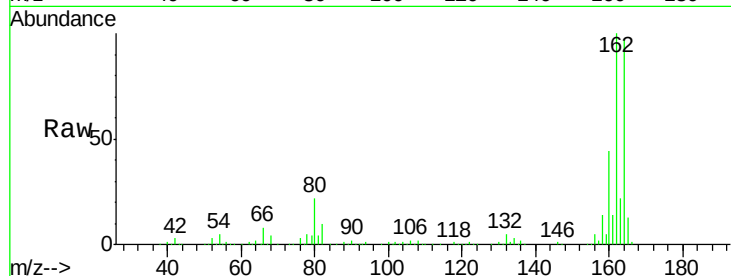




#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099235.D
 Acq: 8 Oct 2017 16:36

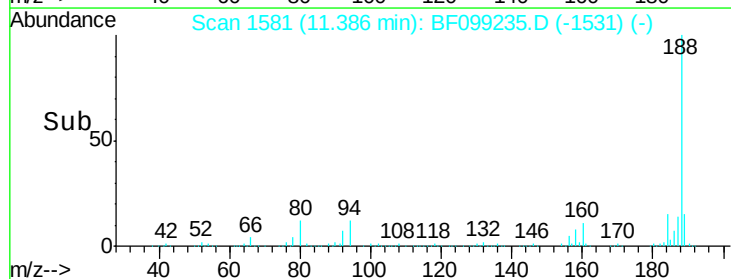
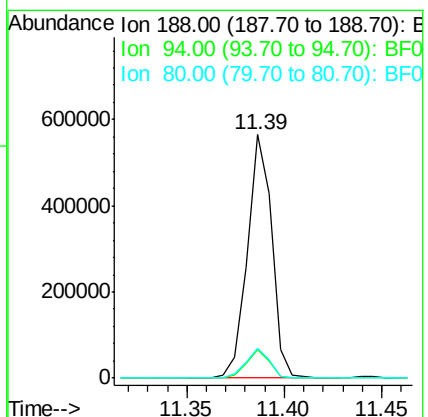
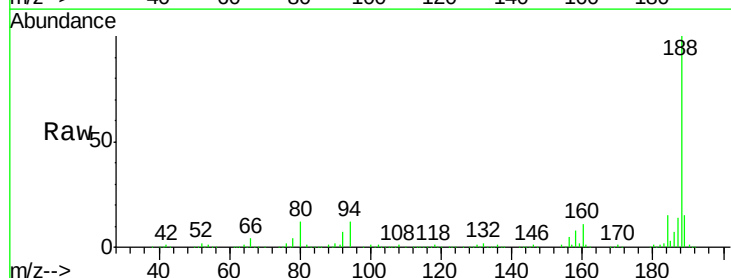
Instrument :
 BNA_F
 ClientSampleId :

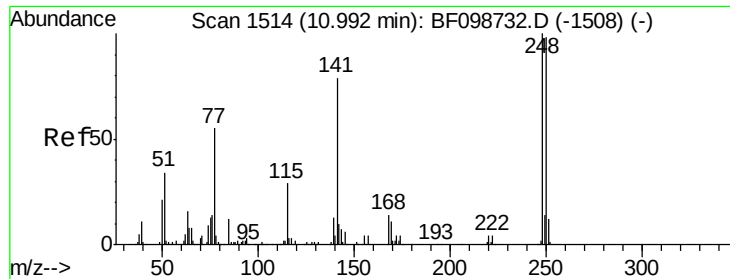
Tot Ion:	165	Resp:	34859
Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099235.D
 Acq: 8 Oct 2017 16:36

Tgt Ion:	188	Resp:	491180
Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.5	9.2	13.8

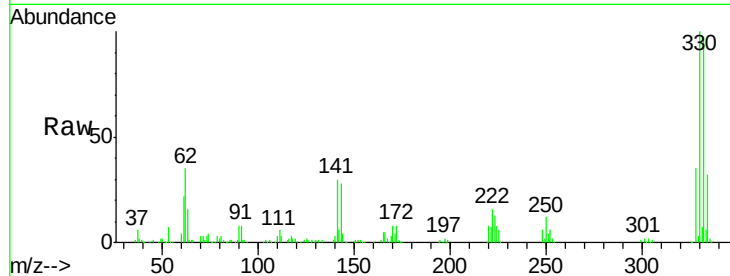




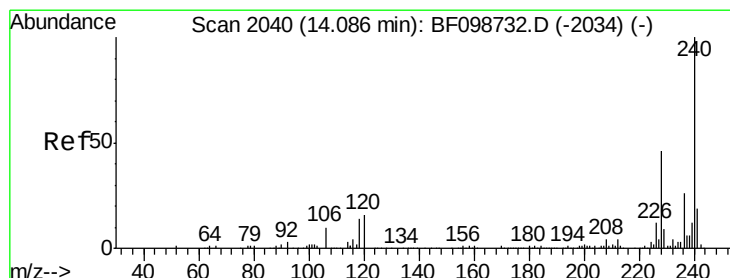
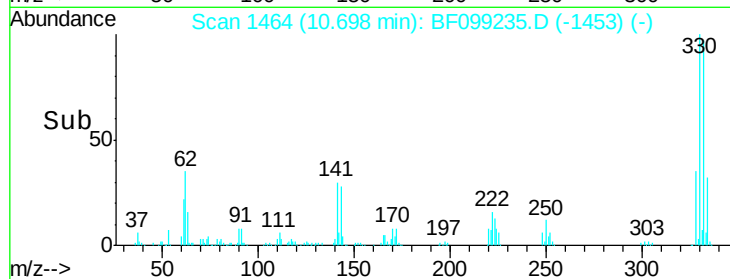
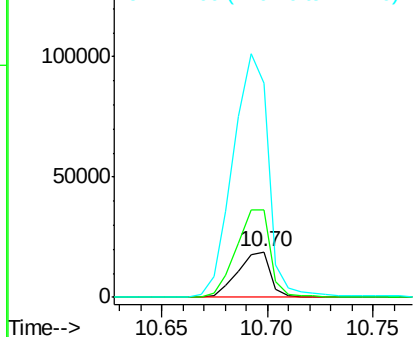
#66
4-Bromophenyl-phenylether
Concen: 4.27 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20526
Ion Ratio Lower Upper
248 100
250 194.5 76.9 115.3#
141 472.1 74.4 111.6#

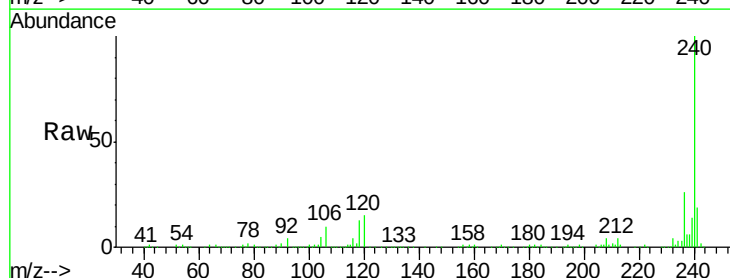


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

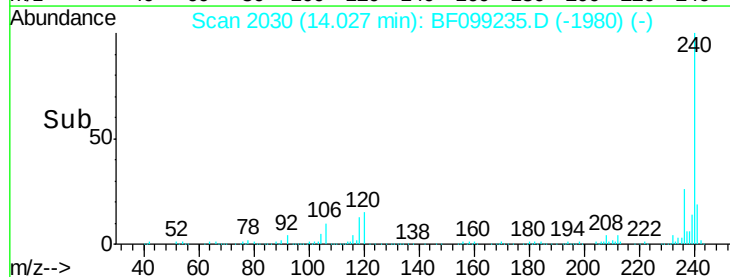
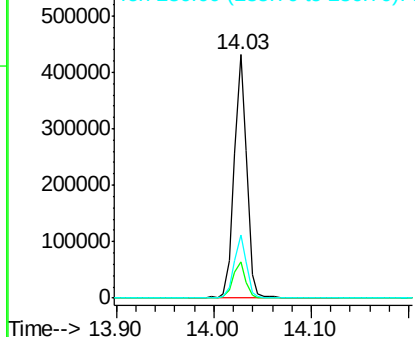


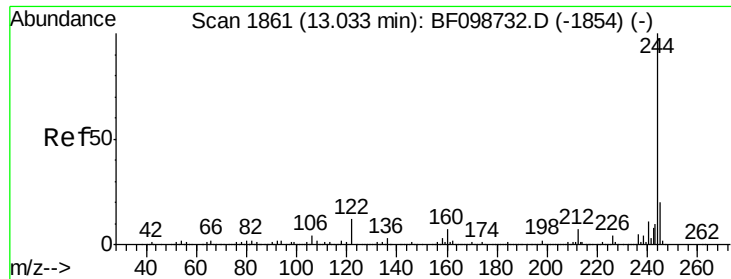
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099235.D
Acq: 8 Oct 2017 16:36

Tgt Ion:240 Resp: 385749
Ion Ratio Lower Upper
240 100
120 15.1 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: 84.52 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

Instrument :

BNA_F

ClientSampleId :

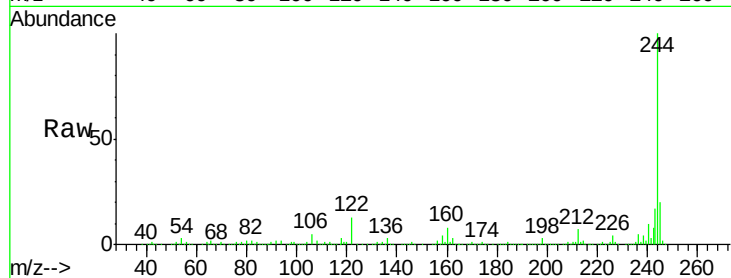
Tot Ion:244 Resp: 1433575

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

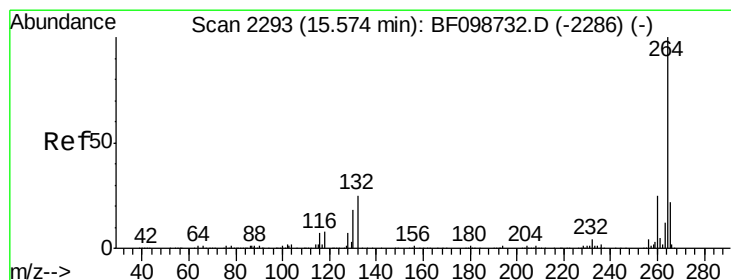
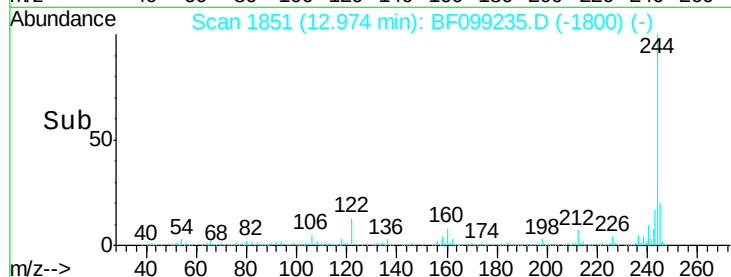
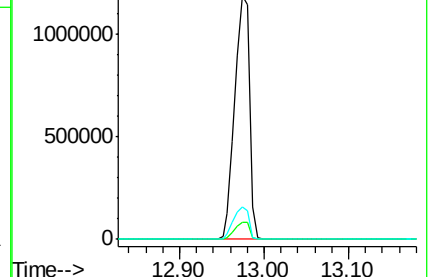
122 13.3 11.0 16.4



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: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF099235.D

Acq: 8 Oct 2017 16:36

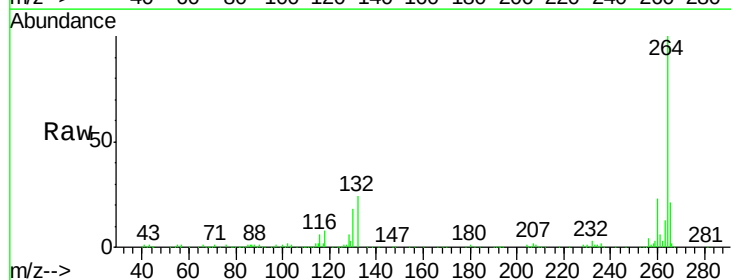
Tgt Ion:264 Resp: 285418

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.5 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

