

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099166.D
 Acq On : 6 Oct 2017 23:59
 Operator : SJ/JU
 Sample : I5517-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 00:28:23 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

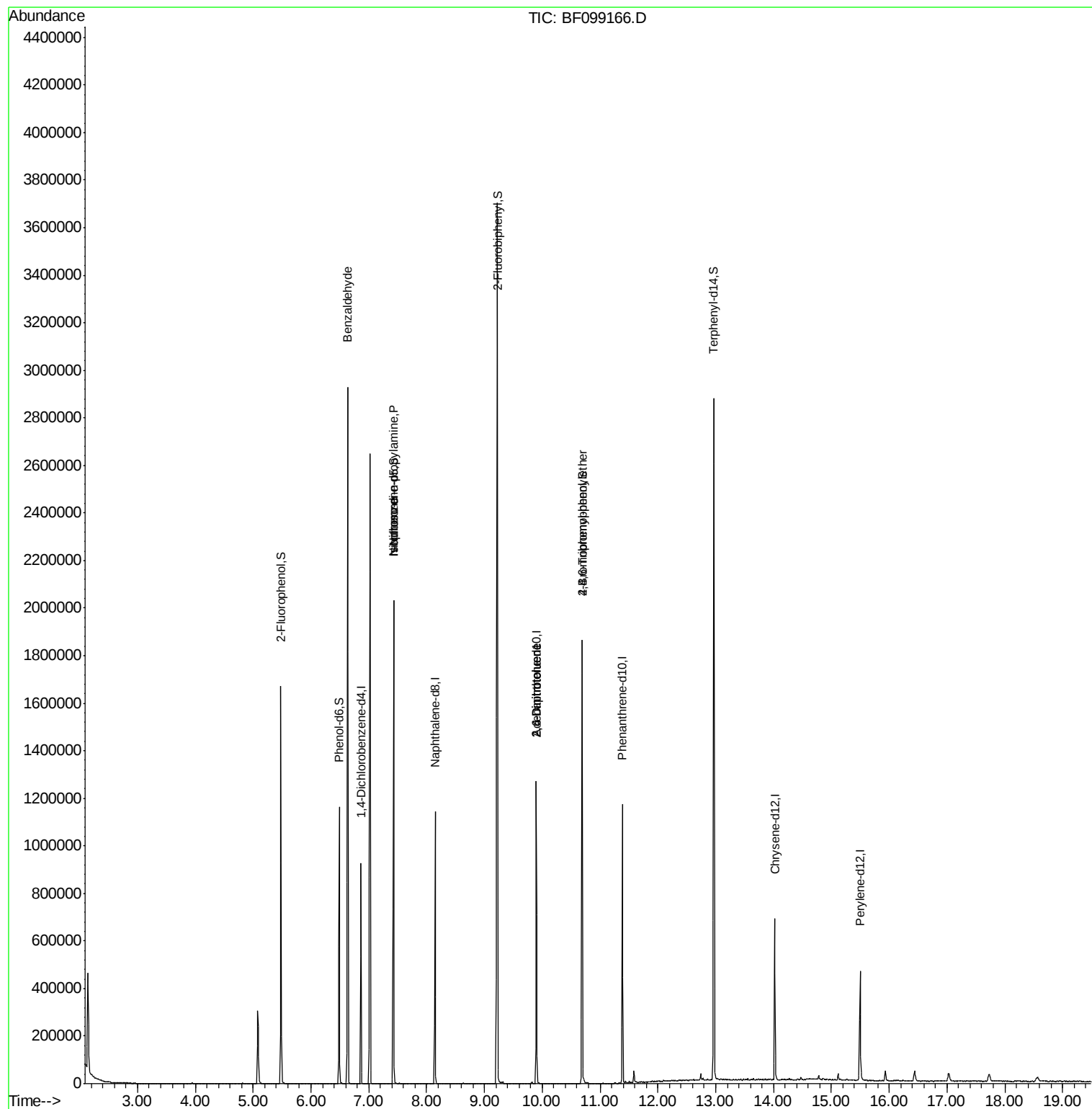
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	123769	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	507720	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	231541	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	388572	20.00	ng	0.00
75) Chrysene-d12	14.02	240	209956	20.00	ng	-0.01
86) Perylene-d12	15.50	264	194578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	473597	60.91	ng	0.00
7) Phenol-d6	6.49	99	359370	37.47	ng	-0.01
23) Nitrobenzene-d5	7.43	82	736931	93.08	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	241604	127.52	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1243855	89.68	ng	0.00
78) Terphenyl-d14	12.97	244	1016822	110.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	16871	3.03	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.43	70	93740	15.31	ng	# 75
25) Isophorone	7.43	82	737035	45.03	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	29673	7.80	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	29673	6.01	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	16611	4.37	ng	# 1

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

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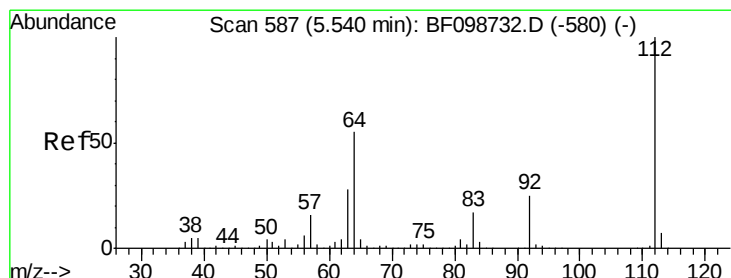
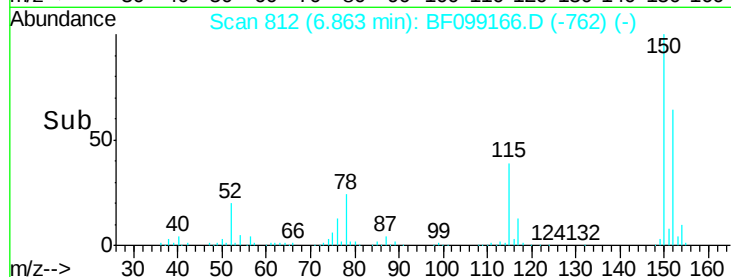
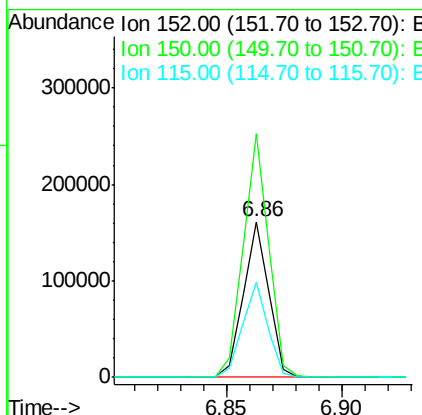
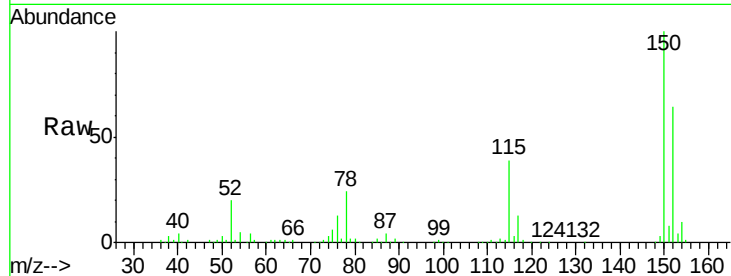


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Instrument :
 BNA_F
 ClientSampleId :

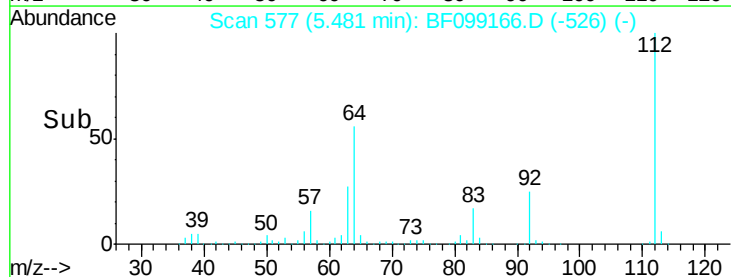
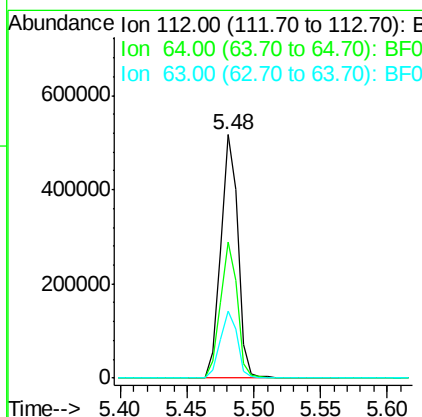
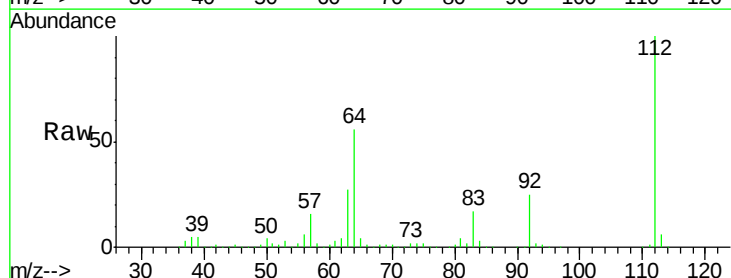
Tot Ion:152 Resp: 123769
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.6 186.8
 115 61.5 50.1 75.1

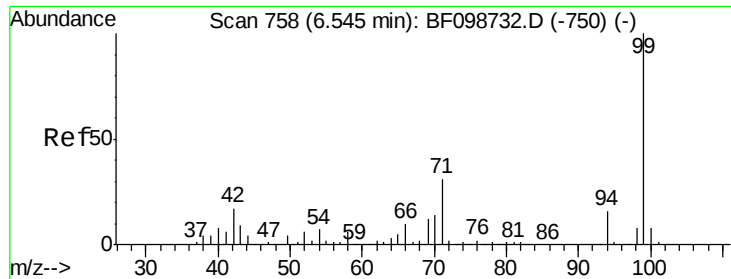


#5

2-Fluorophenol
 Concen: 60.91 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Tgt Ion:112 Resp: 473597
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.9 71.9
 63 27.4 23.7 35.5





#7

Phenol-d6

Concen: 37.47 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

Instrument :

BNA_F

ClientSampled :

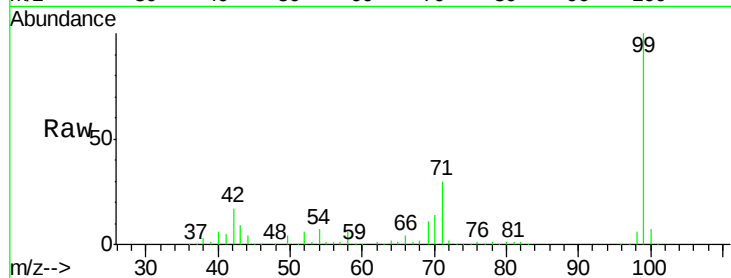
Tot Ion: 99 Resp: 359370

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

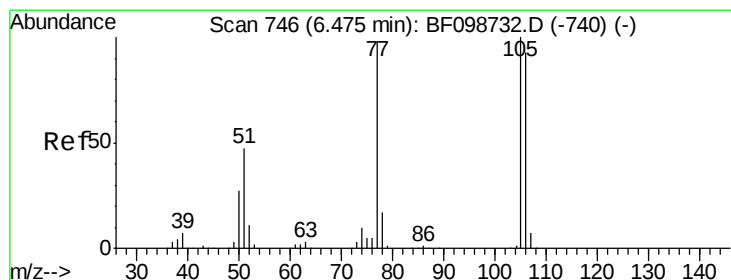
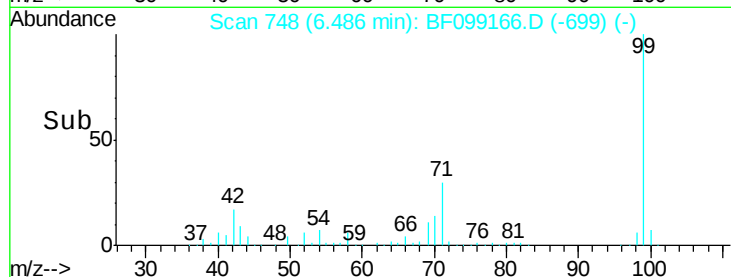
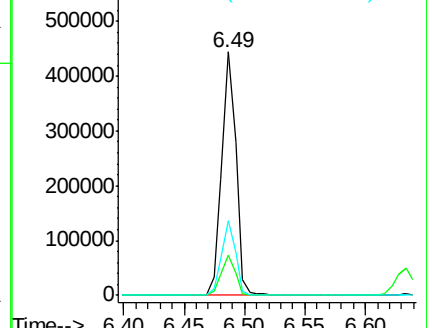
71 30.4 25.4 38.0



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: 3.03 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

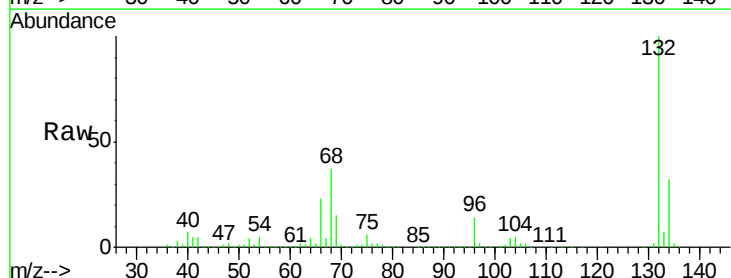
Tgt Ion: 77 Resp: 16871

Ion Ratio Lower Upper

77 100

105 85.8 81.1 121.1

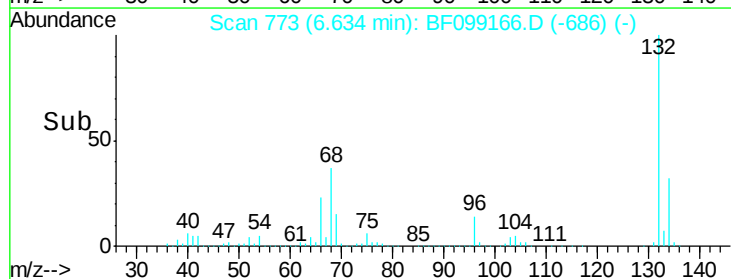
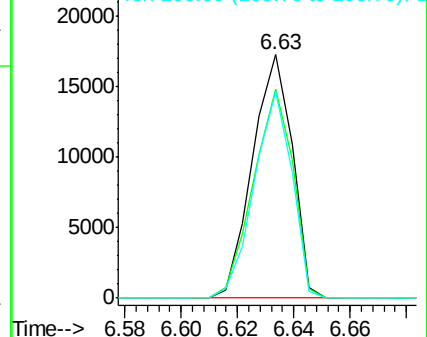
106 85.1 74.5 114.5



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

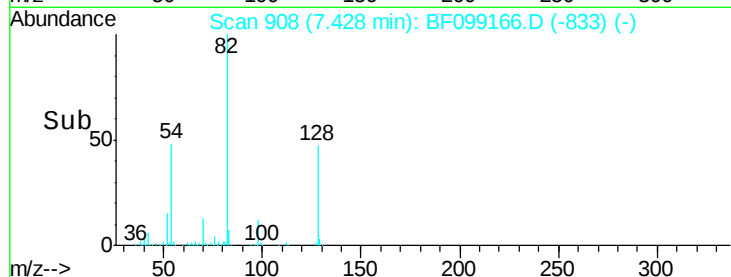
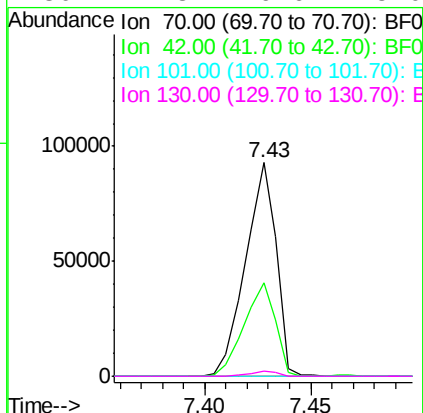
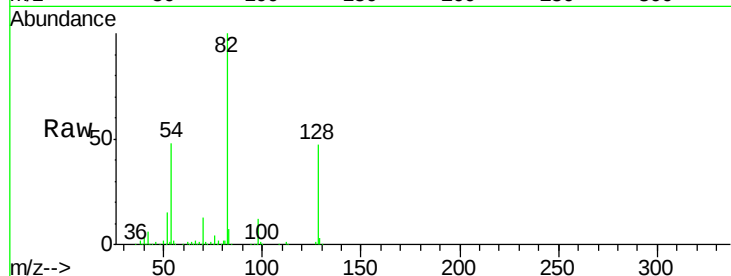




#19
n-Nitroso-di-n-propylamine
Concen: 15.31 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099166.D
Acq: 6 Oct 2017 23:59

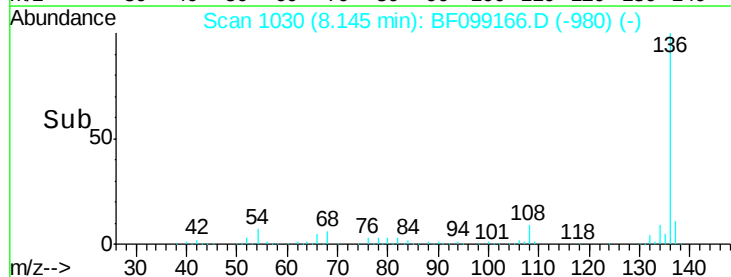
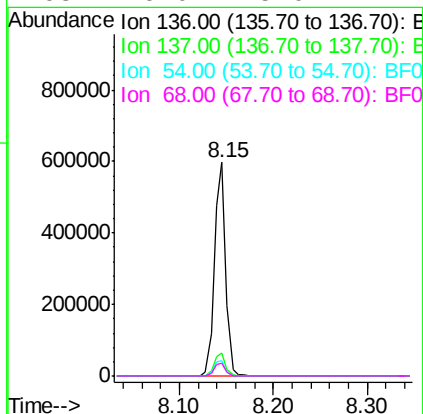
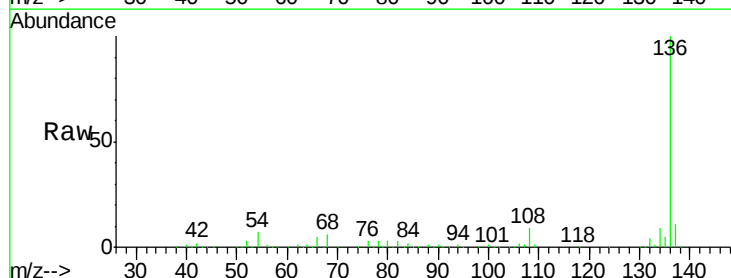
Instrument :
BNA_F
ClientSampleID :

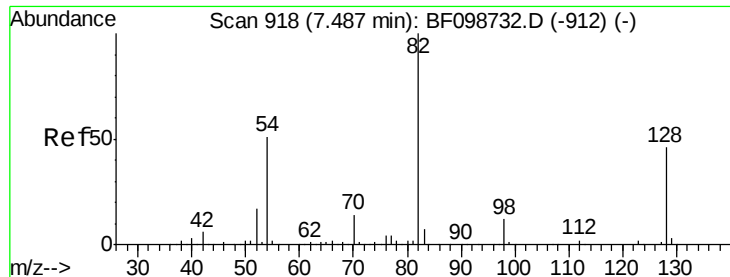
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099166.D
Acq: 6 Oct 2017 23:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	6.0	5.0	7.4

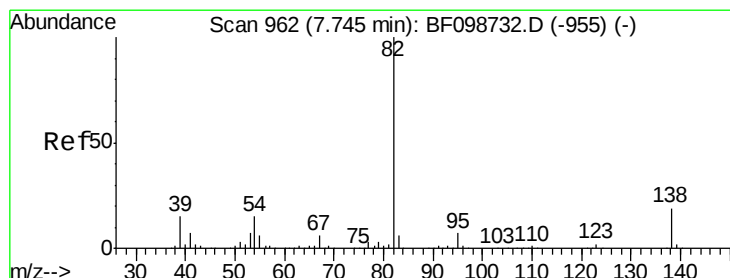
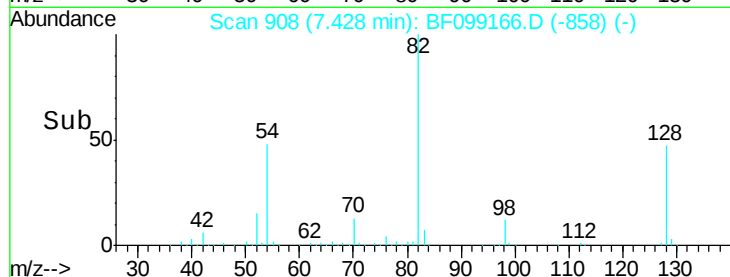
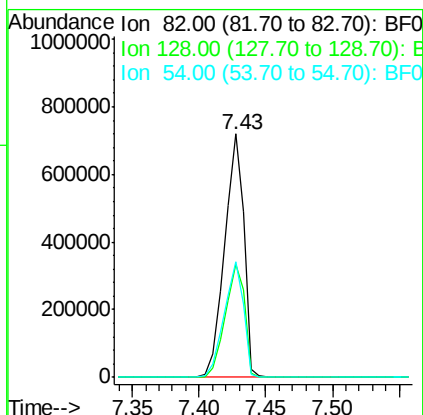
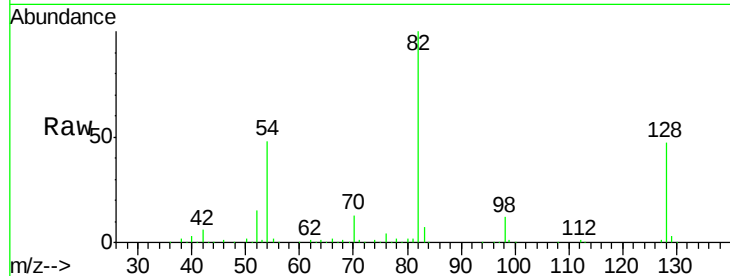




#23
Nitrobenzene-d5
Concen: 93.08 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099166.D
Acq: 6 Oct 2017 23:59

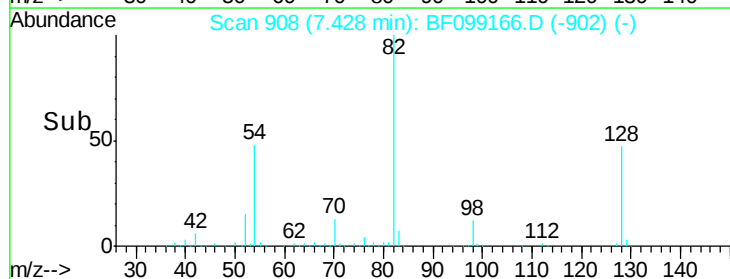
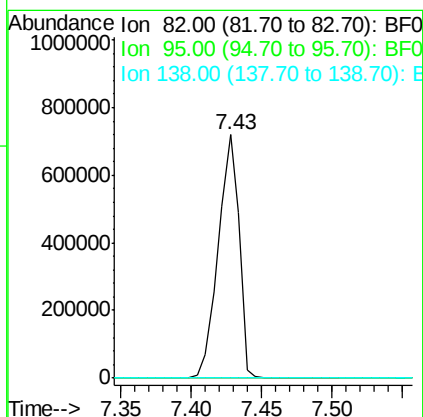
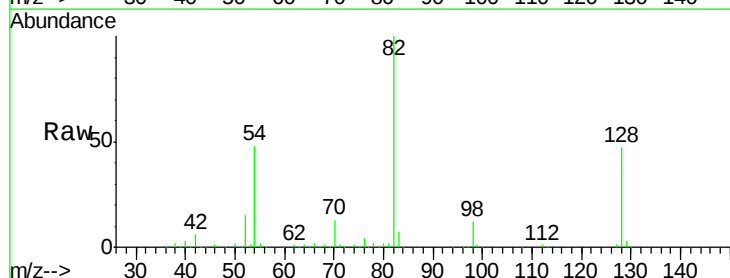
Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 736931
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 47.6 41.4 62.2



#25
Isophorone
Concen: 45.03 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF099166.D
Acq: 6 Oct 2017 23:59

Tgt Ion: 82 Resp: 737035
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

Instrument :

BNA_F

ClientSampleId :

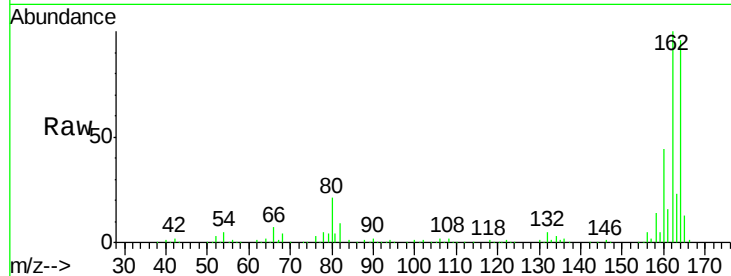
Tot Ion:164 Resp: 231541

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

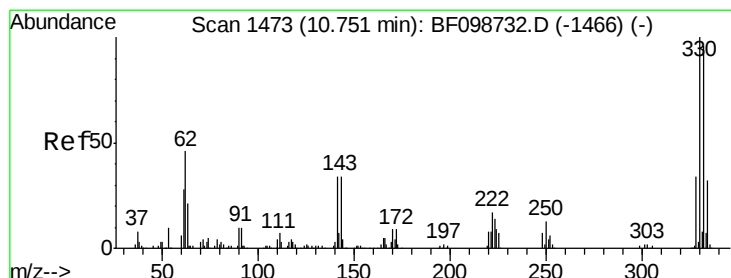
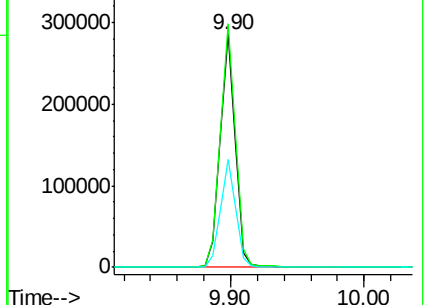
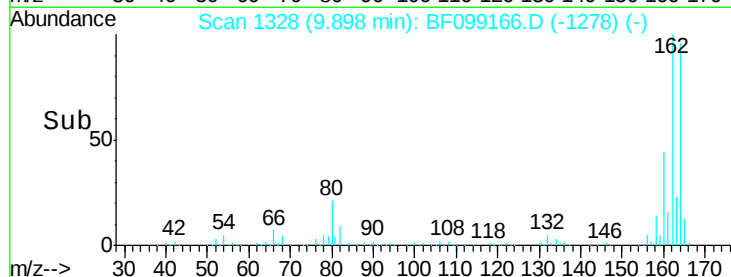
160 46.2 38.3 57.5



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: 127.52 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

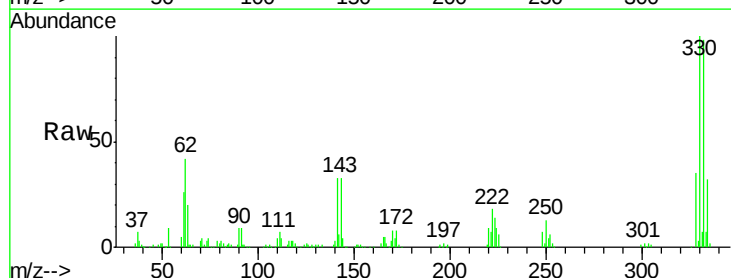
Tgt Ion:330 Resp: 241604

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

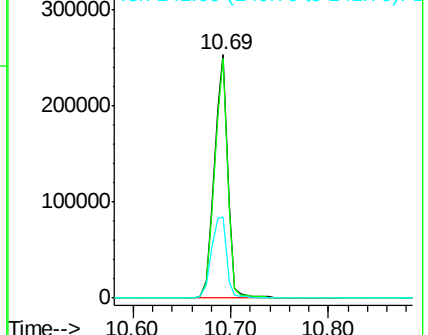
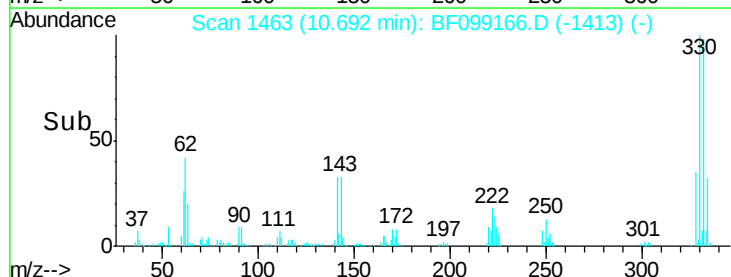
141 38.1 29.9 44.9

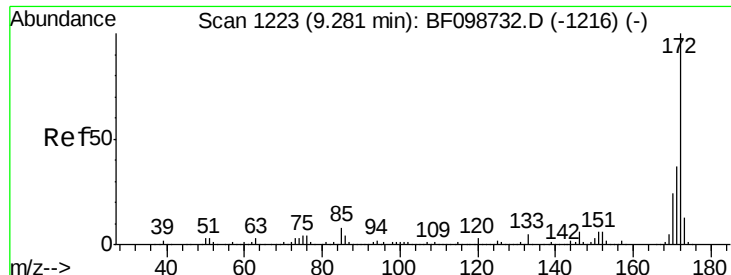


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



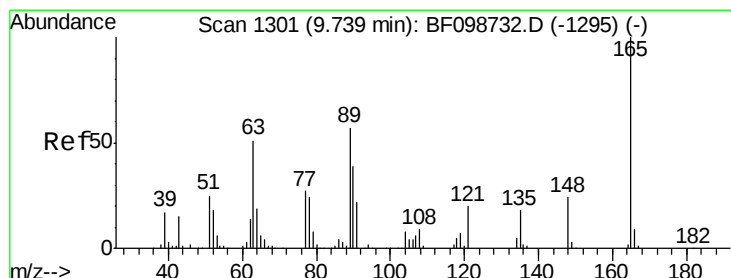
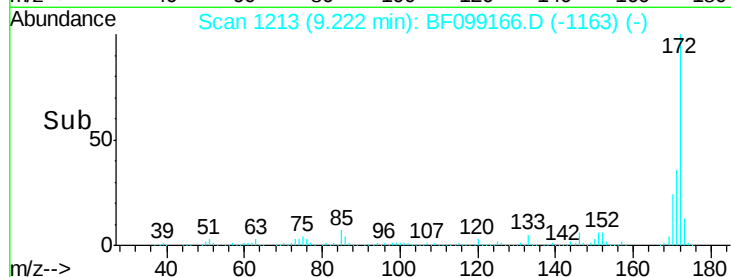
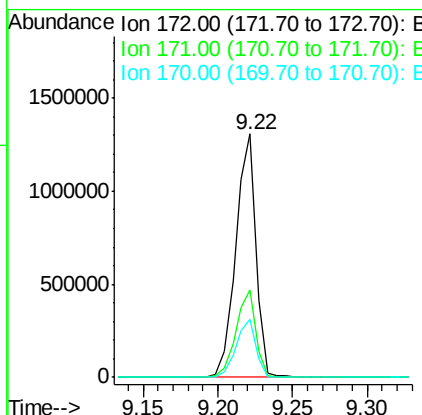
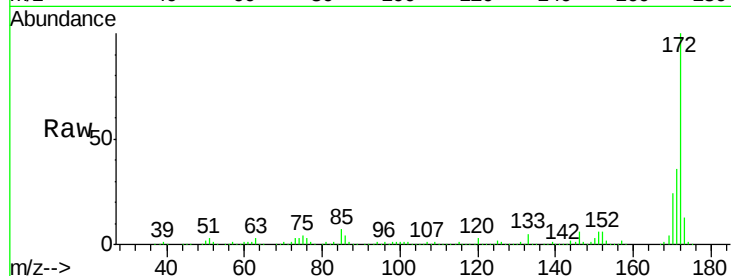


#44
 2-Fluorobiphenyl
 Concen: 89.68 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1243855

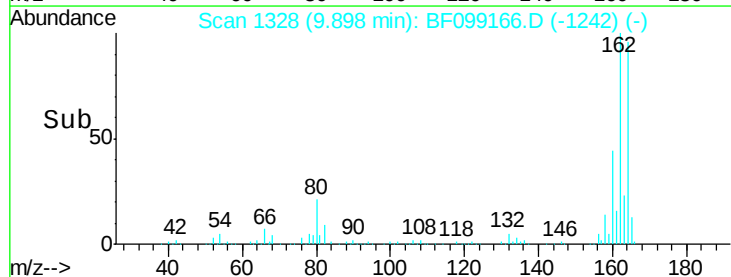
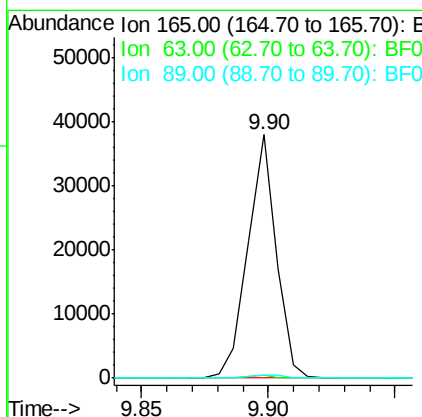
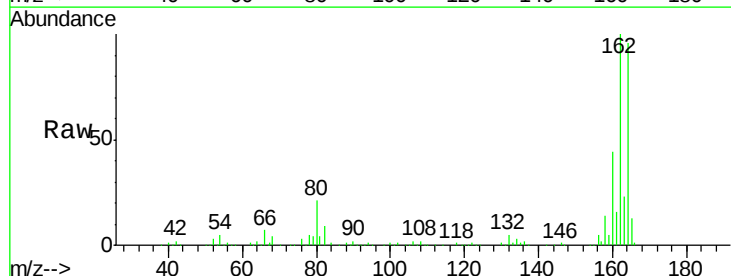
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

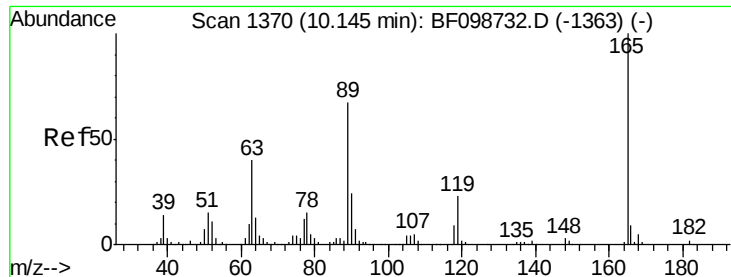


#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Tgt Ion:165 Resp: 29673

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.1	44.0	66.0#

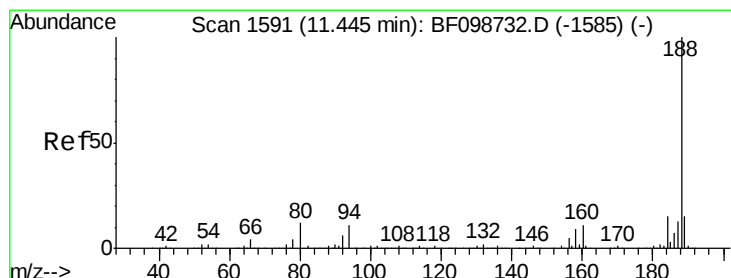
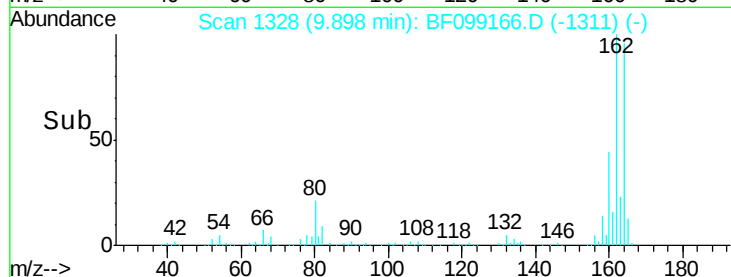
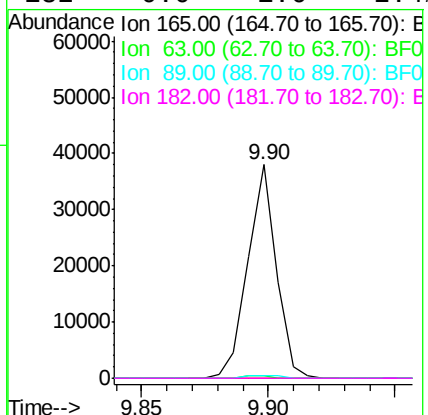
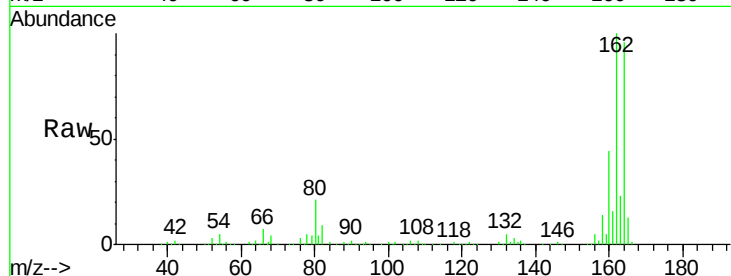




#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

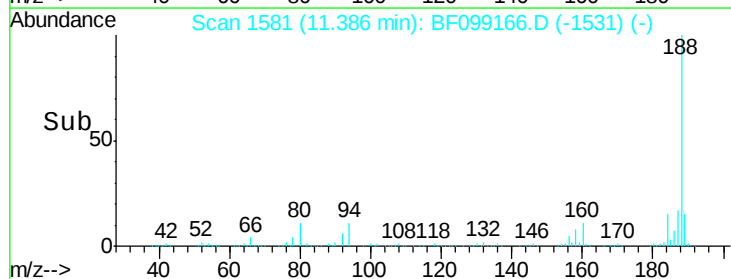
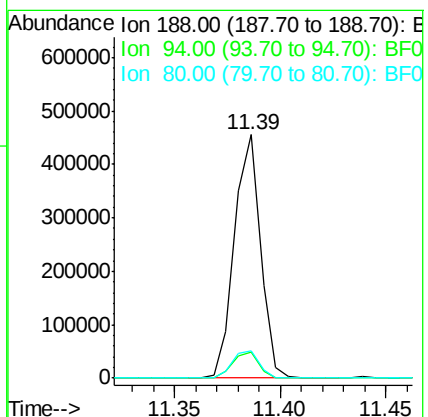
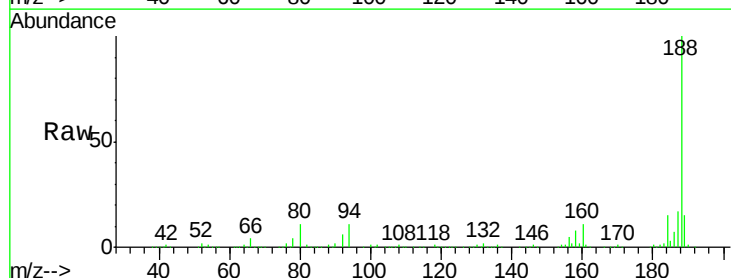
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.1	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: BF099166.D
 Acq: 6 Oct 2017 23:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.1	9.2	13.8

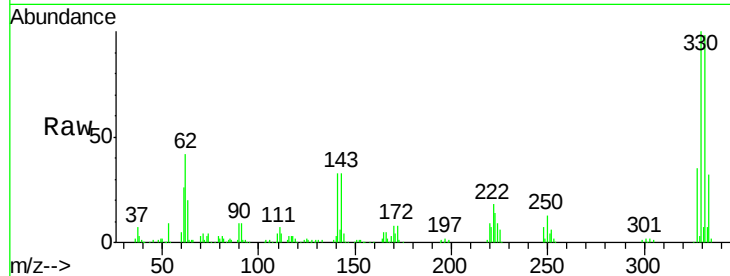




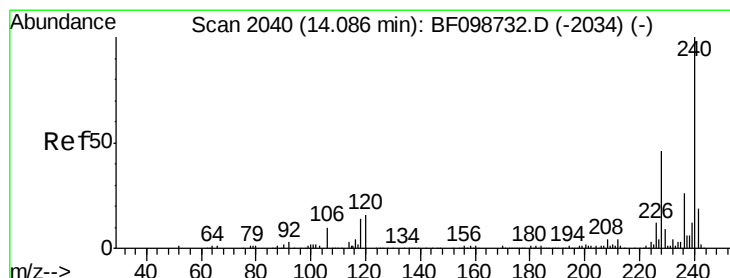
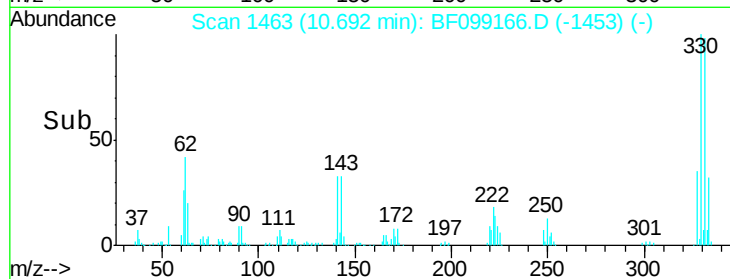
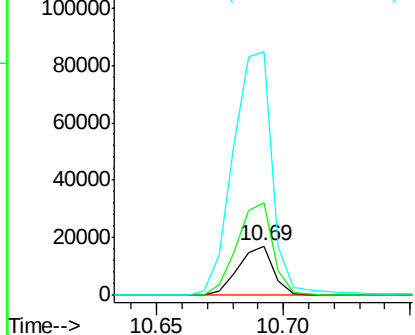
#66
 4-Bromophenyl-phenylether
 Concen: 4.37 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16611
 Ion Ratio Lower Upper
 248 100
 250 189.0 76.9 115.3#
 141 495.4 74.4 111.6#

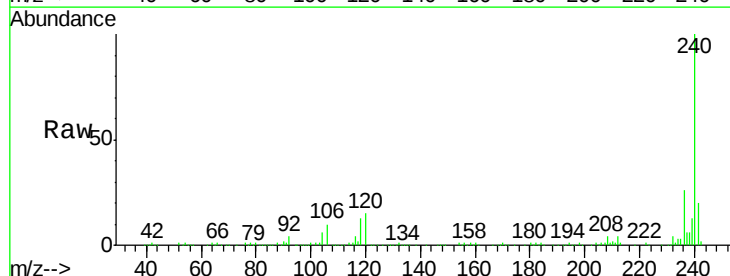


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

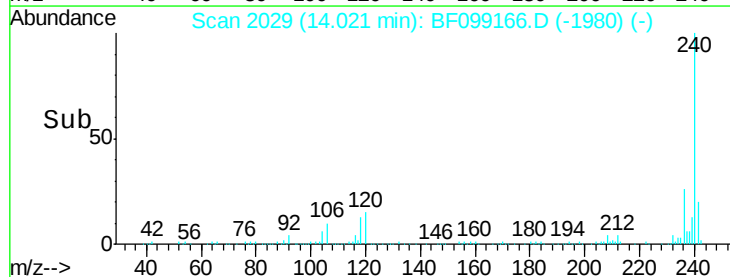
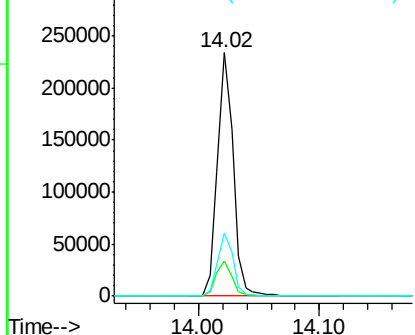


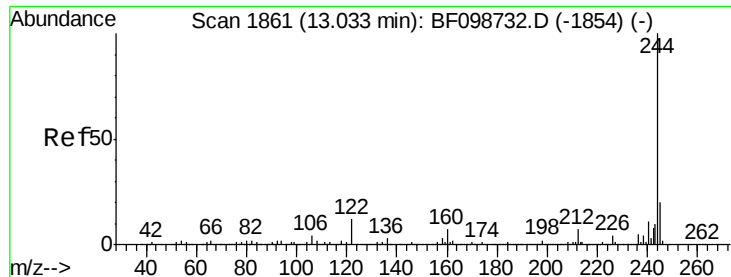
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF099166.D
 Acq: 6 Oct 2017 23:59

Tgt Ion:240 Resp: 209956
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 25.7 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: 110.14 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

Instrument :

BNA_F

ClientSampleId :

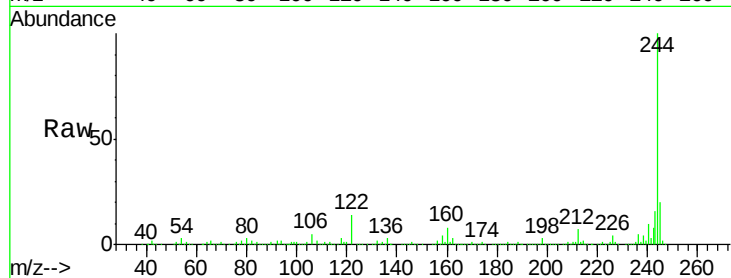
Tot Ion:244 Resp: 1016822

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

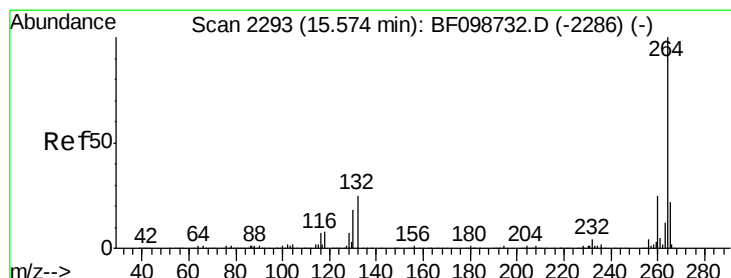
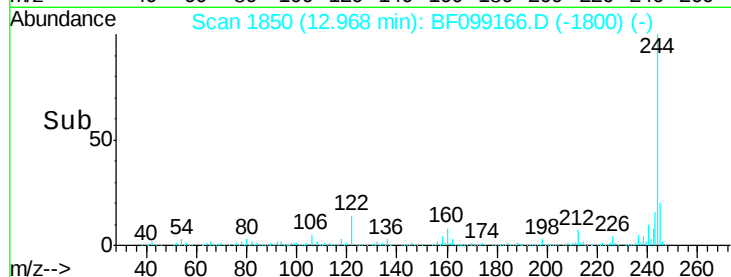
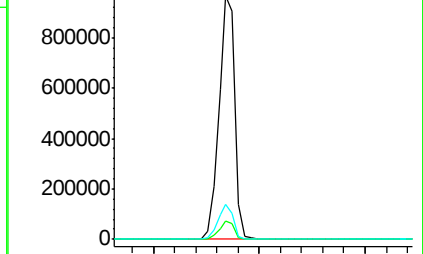
122 14.4 11.0 16.4



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# 2280

Delta R.T. -0.01 min

Lab File: BF099166.D

Acq: 6 Oct 2017 23:59

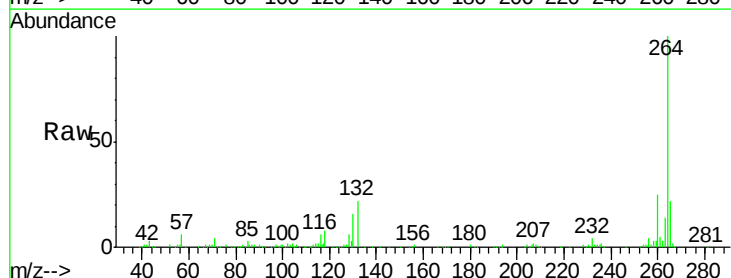
Tgt Ion:264 Resp: 194578

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.6 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

