

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099140.D
 Acq On : 6 Oct 2017 11:11
 Operator : SJ/JU
 Sample : I5644-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 14:31:58 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

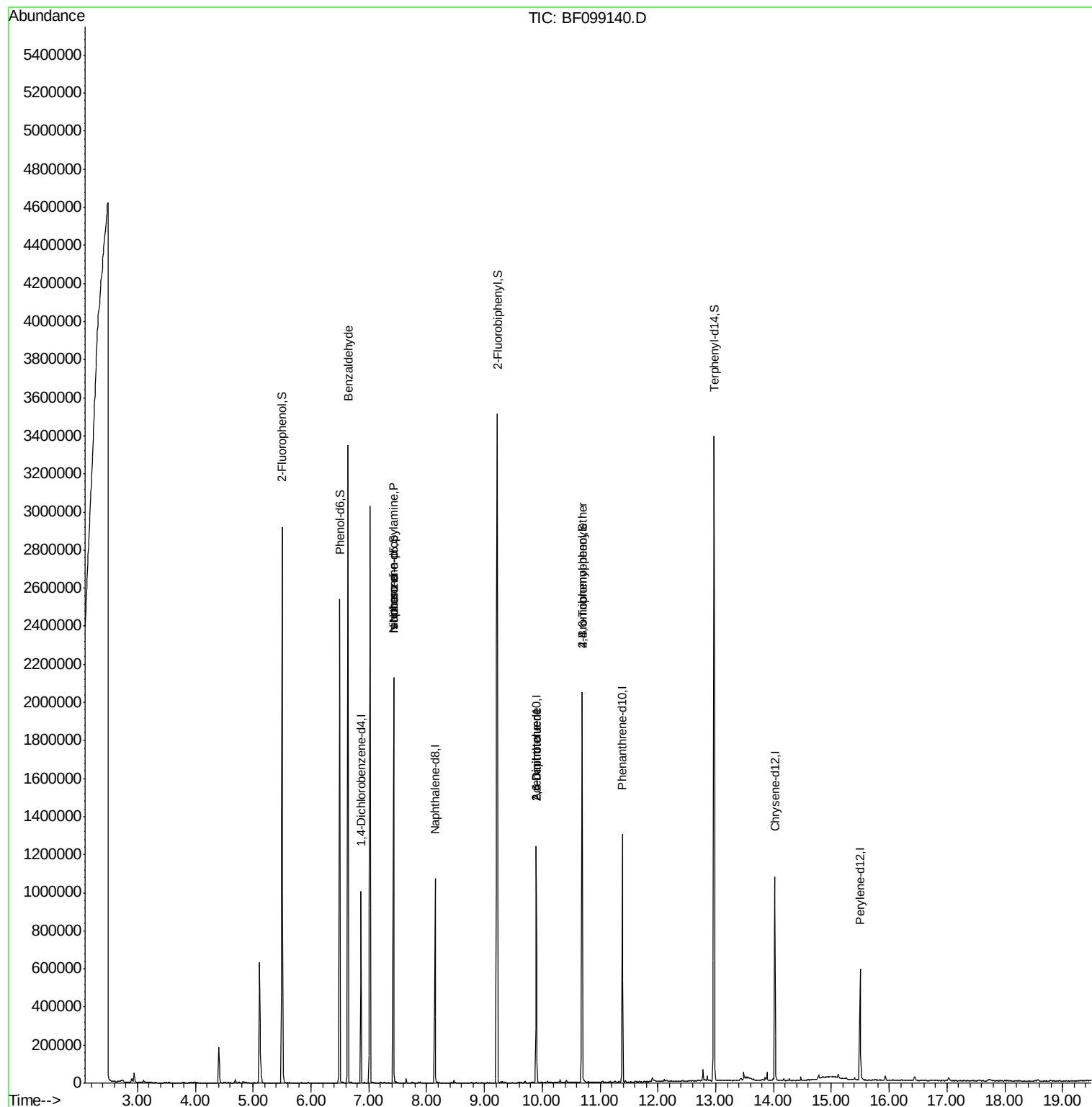
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129847	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	537045	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	241198	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	437391	20.00	ng	0.00
75) Chrysene-d12	14.02	240	352274	20.00	ng	-0.01
86) Perylene-d12	15.50	264	252059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	912571	111.88	ng	0.02
7) Phenol-d6	6.50	99	984500	97.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	777112	92.80	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	271212	137.42	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1400348	96.92	ng	0.00
78) Terphenyl-d14	12.97	244	1259439	81.31	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	19869	3.404	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	98677	15.360	ng	# 73
25) Isophorone	7.43	82	776869	44.870	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	31213	7.876	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	31213	6.068	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	17968	4.197	ng	# 1

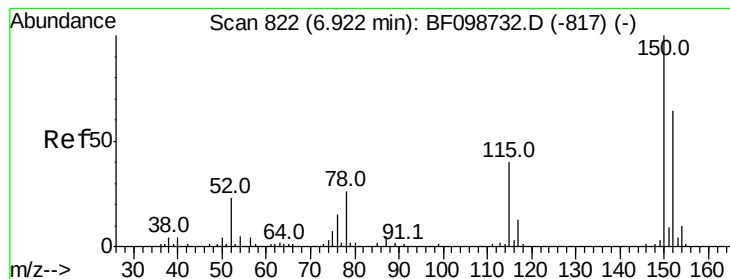
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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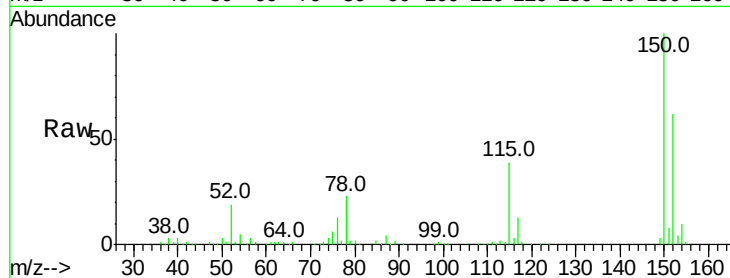


#1

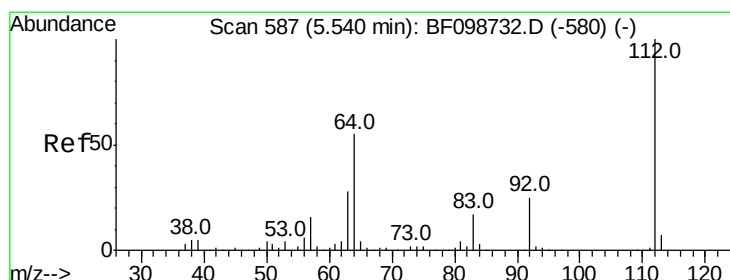
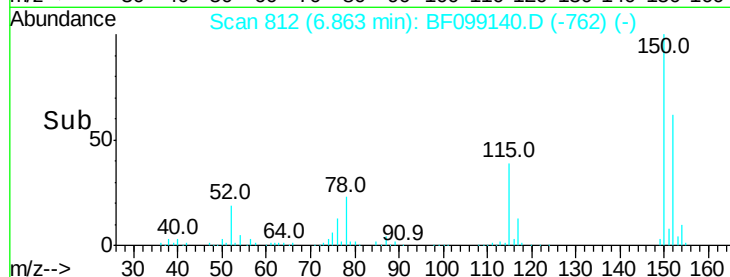
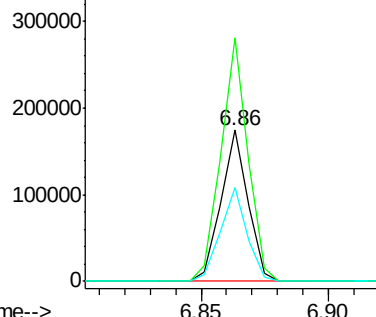
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	62.1	50.1	75.1



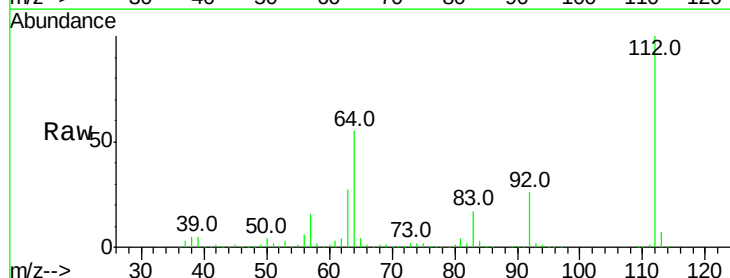
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



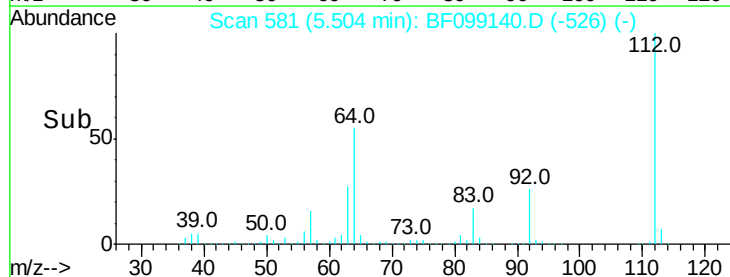
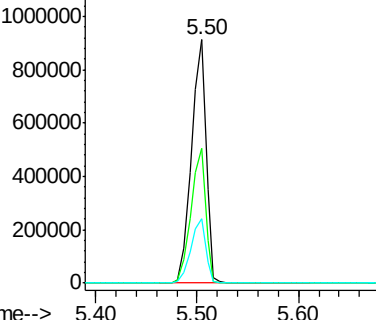
#5

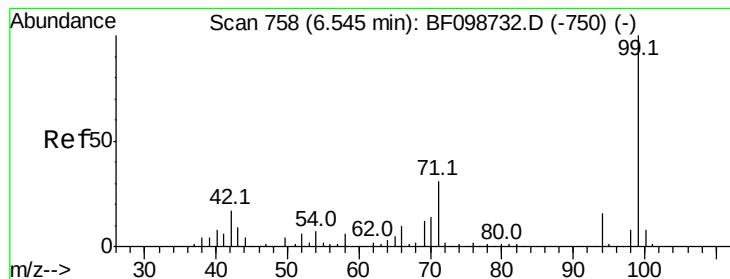
2-Fluorophenol
Concen: 111.880 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	26.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.841 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

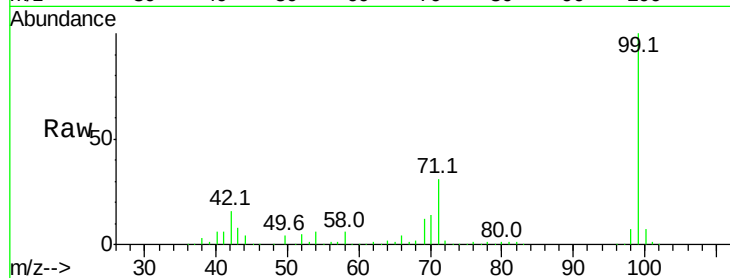
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 984500

Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	31.0	25.4	38.0

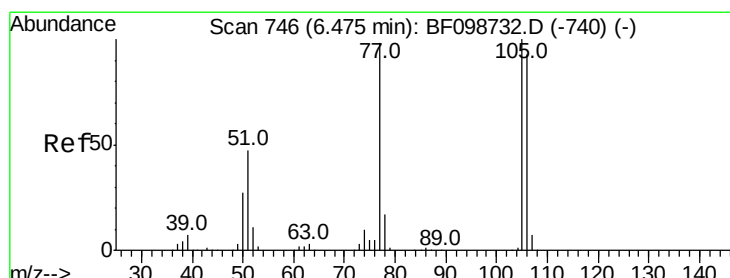
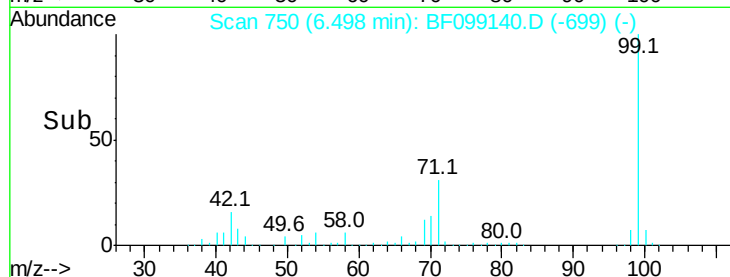
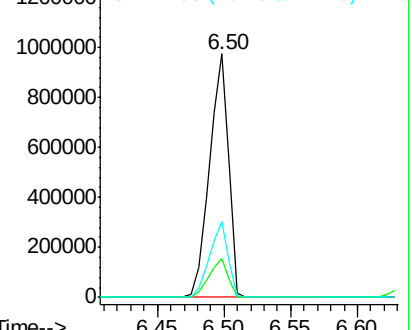


Abundance

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: 3.404 ng

RT: 6.64 min Scan# 774

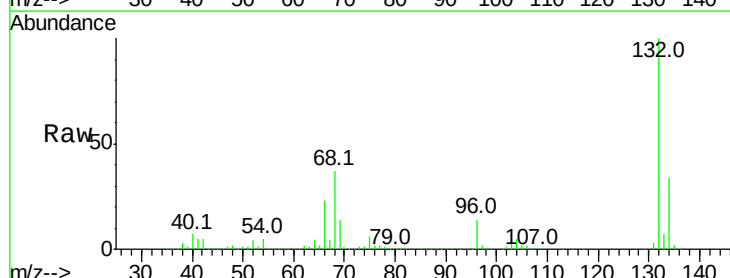
Delta R.T. 0.22 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

Tgt Ion: 77 Resp: 19869

Ion	Ratio	Lower	Upper
77	100		
105	84.0	81.1	121.1
106	84.3	74.5	114.5

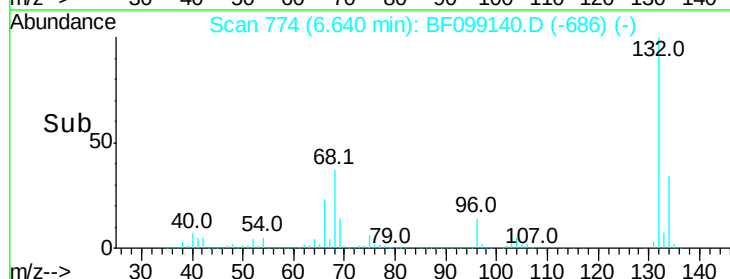
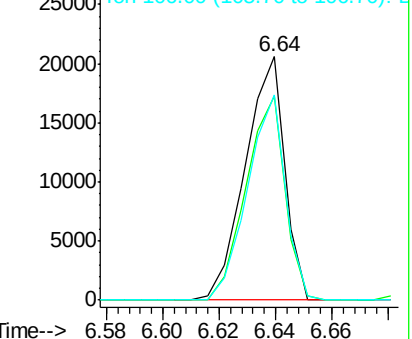


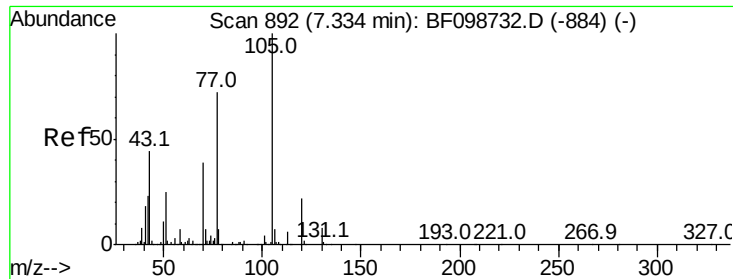
Abundance

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

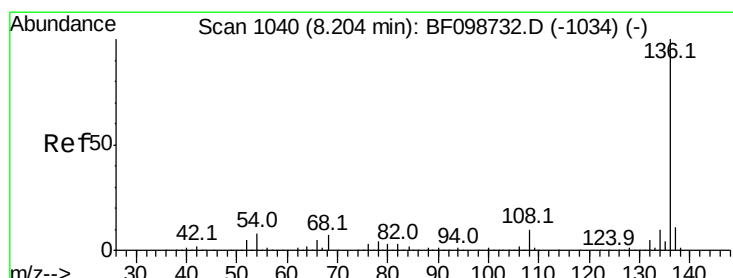
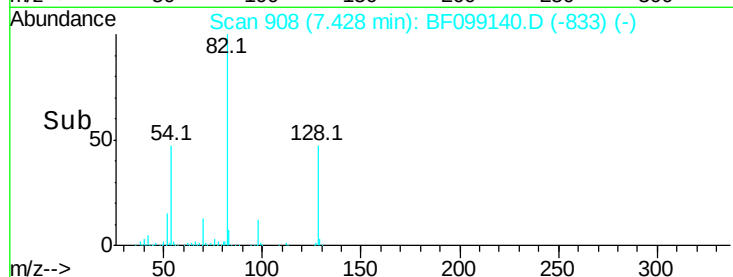
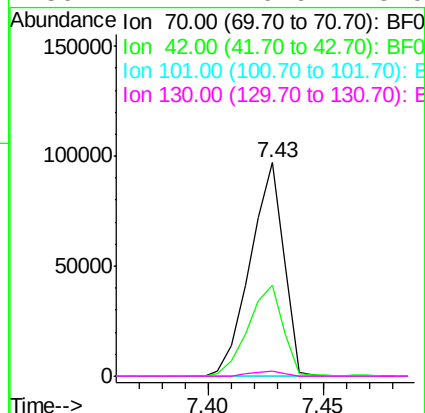
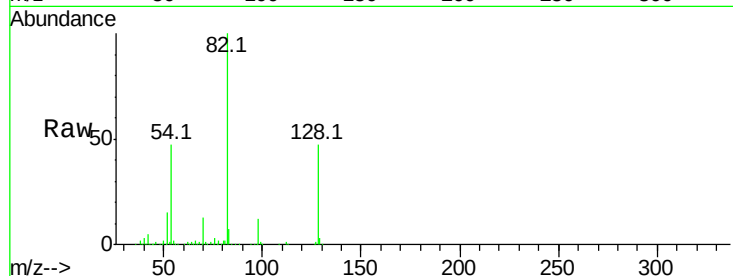




#19
n-Nitroso-di-n-propylamine
Concen: 15.360 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

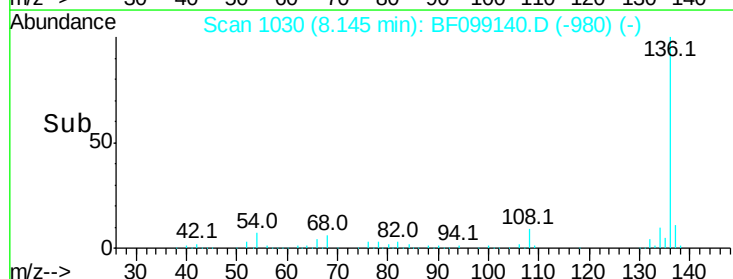
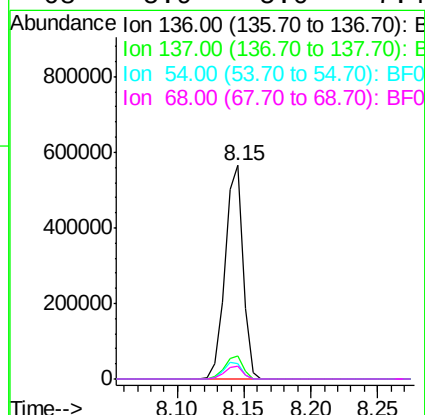
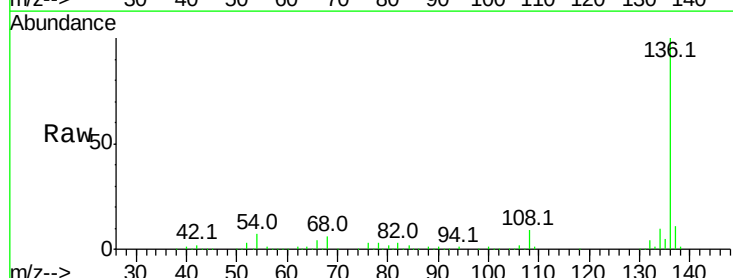
Instrument :
BNA_F
ClientSampled :

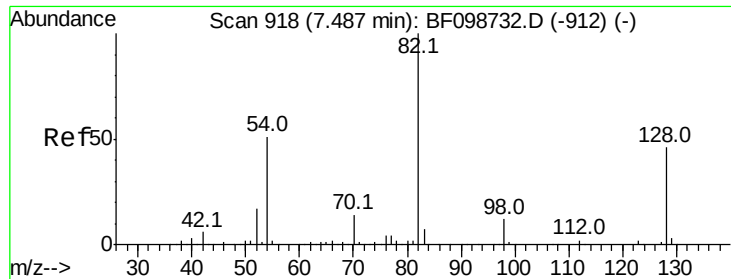
Tot Ion: 70 Resp: 98677
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

Tgt Ion:136 Resp: 537045
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.0 6.6 9.8
68 5.9 5.0 7.4

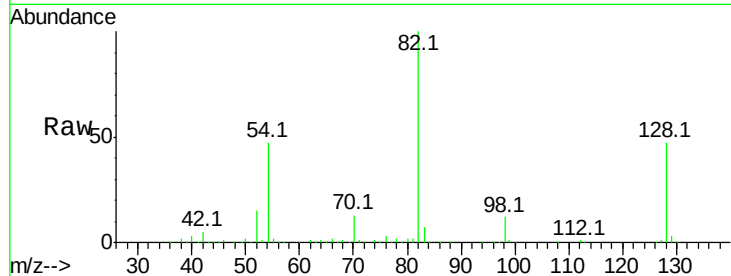




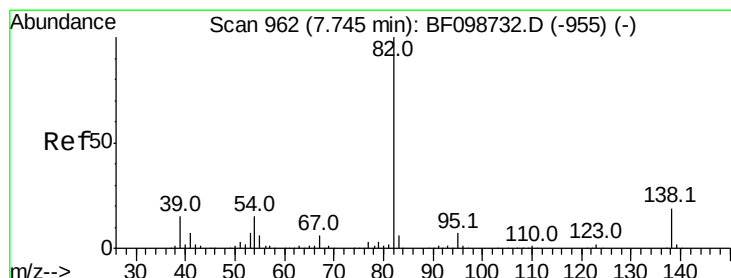
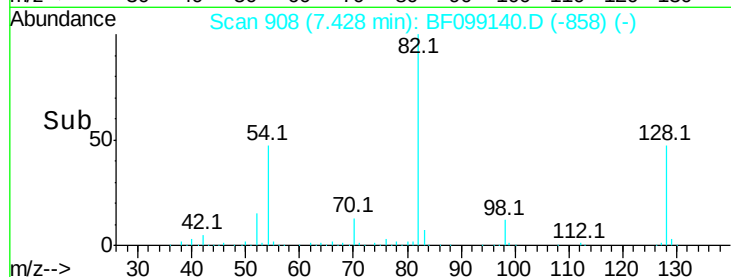
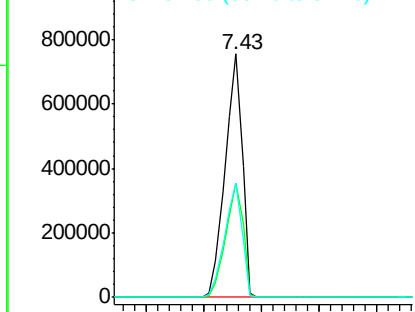
#23
Nitrobenzene-d5
Concen: 92.797 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 777112
Ion Ratio Lower Upper
82 100
128 47.1 36.1 54.1
54 47.1 41.4 62.2

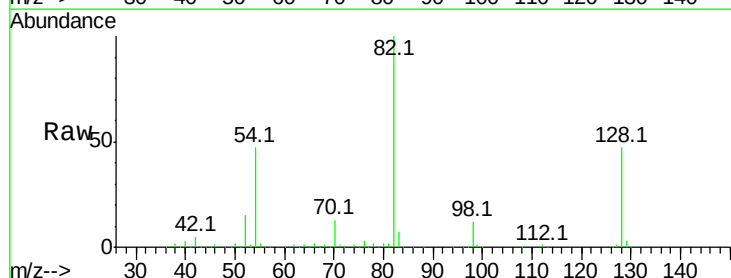


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

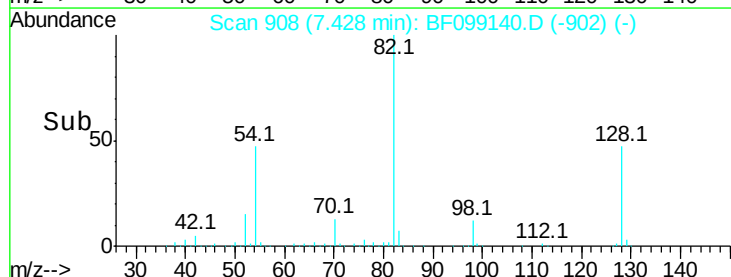
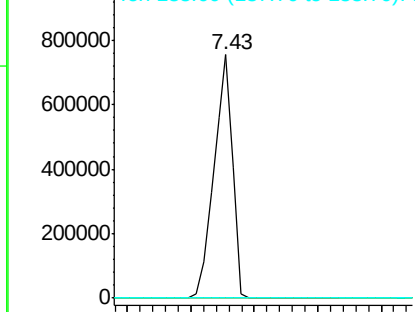


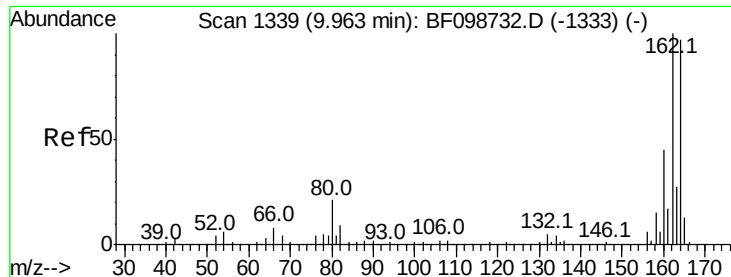
#25
Isophorone
Concen: 44.870 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF099140.D
Acq: 6 Oct 2017 11:11

Tgt Ion: 82 Resp: 776869
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): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

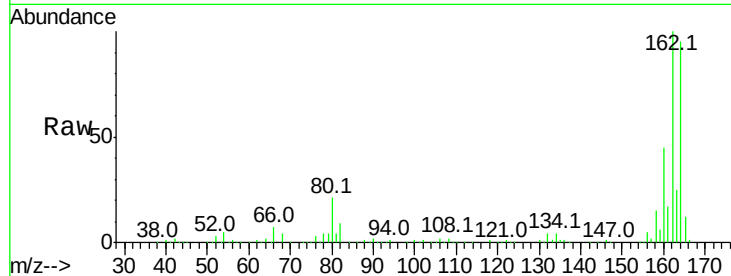




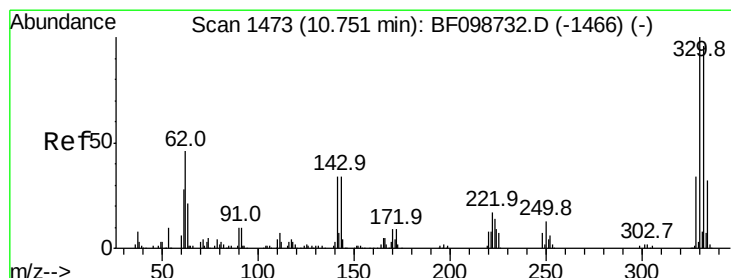
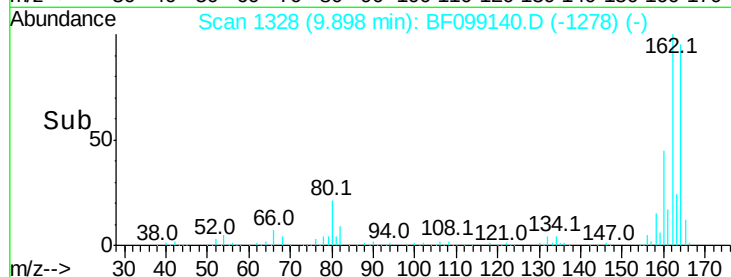
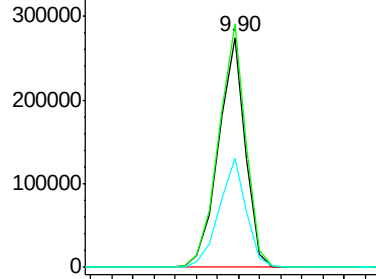
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 241198
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 47.5 38.3 57.5

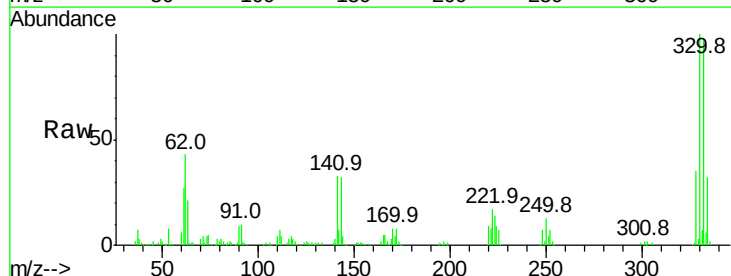


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

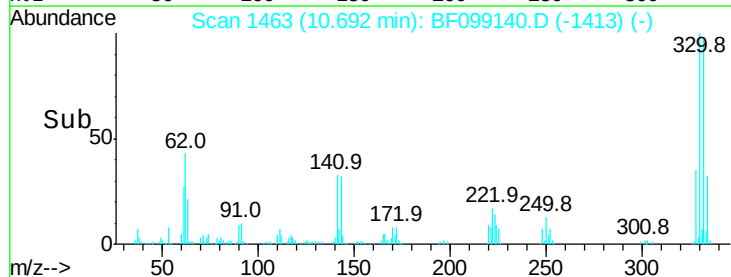
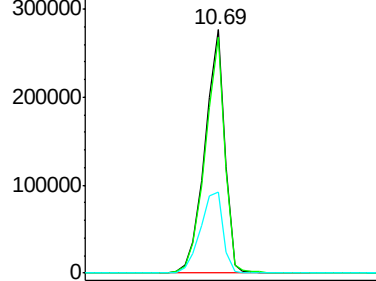


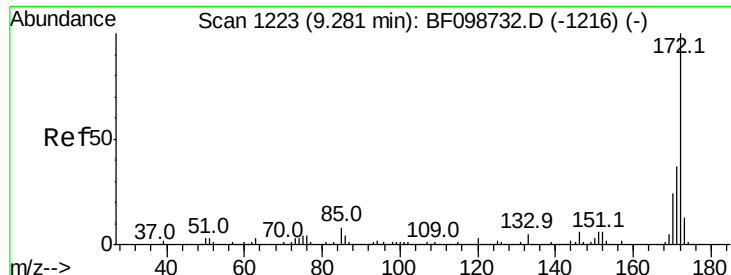
#41
 2,4,6-Tribromophenol
 Concen: 137.416 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Tgt Ion:330 Resp: 271212
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 38.0 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: 96.923 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

Instrument :

BNA_F

ClientSampleId :

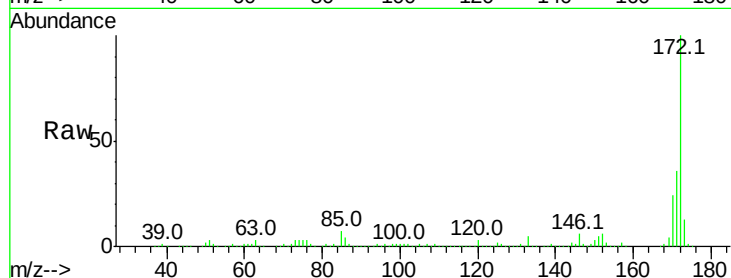
Tot Ion:172 Resp: 1400348

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

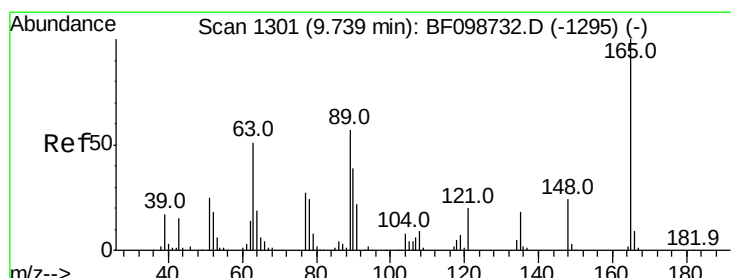
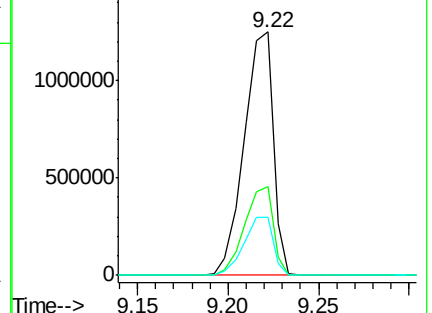
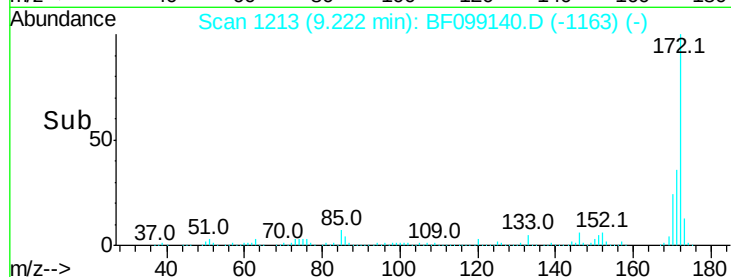
170 24.0 19.6 29.4



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: 7.876 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

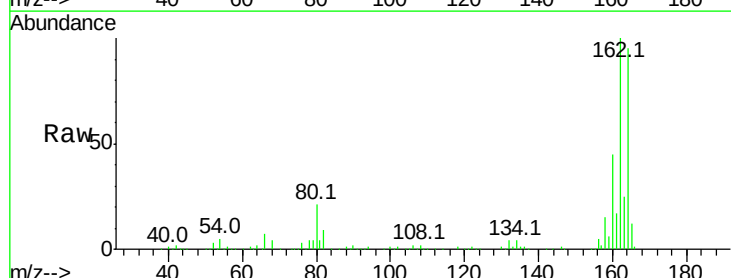
Tgt Ion:165 Resp: 31213

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

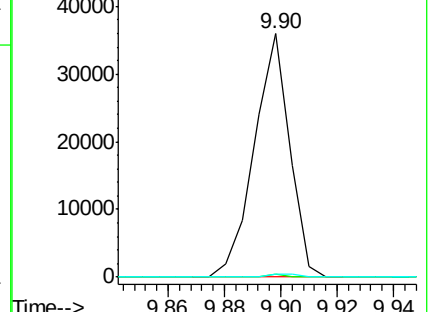
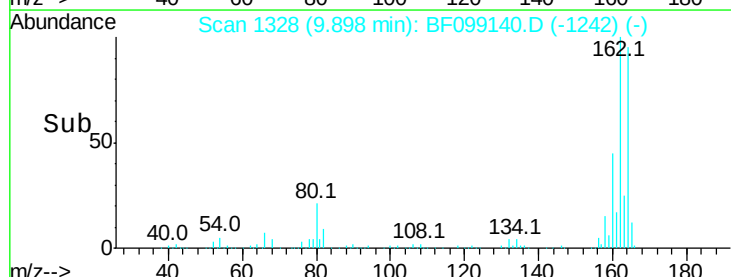
89 1.4 44.0 66.0#

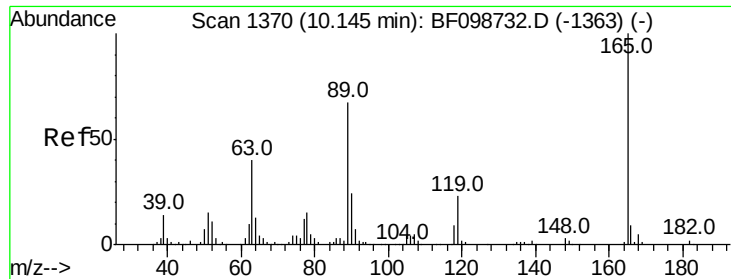


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

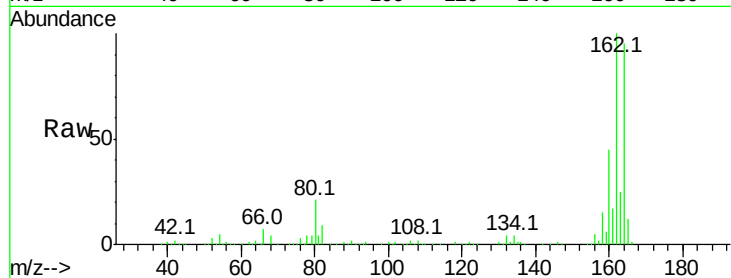




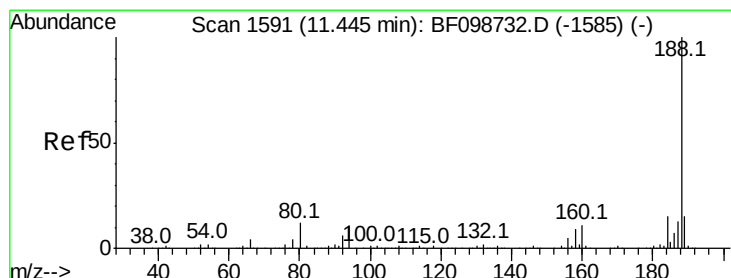
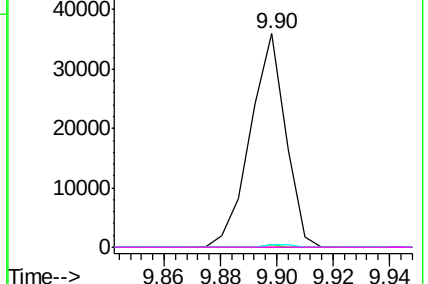
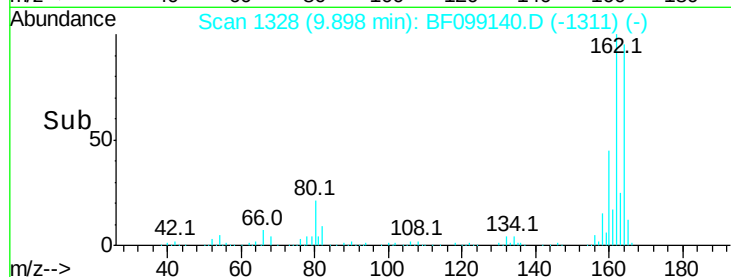
#56
 2,4-Dinitrotoluene
 Concen: 6.068 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 31213
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

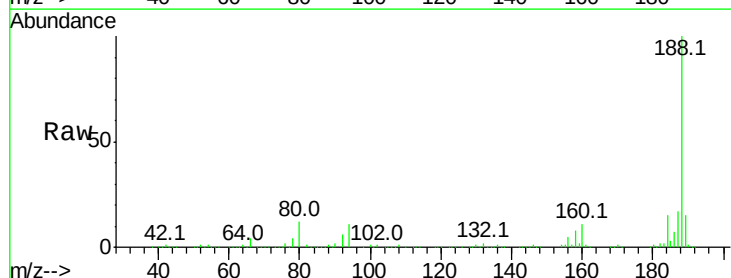


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

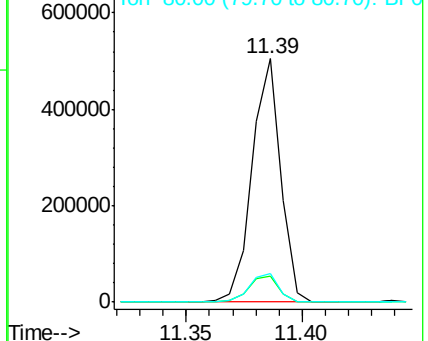
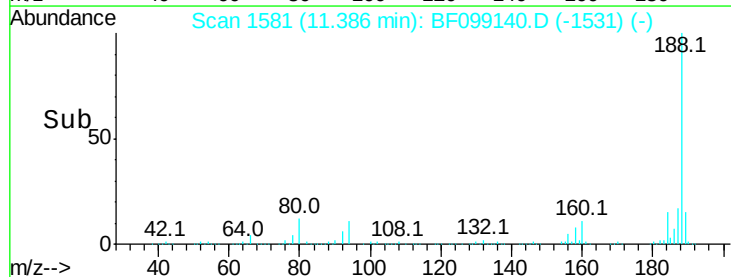


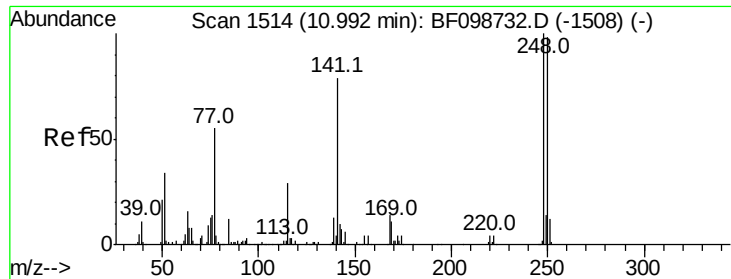
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Tgt Ion:188 Resp: 437391
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

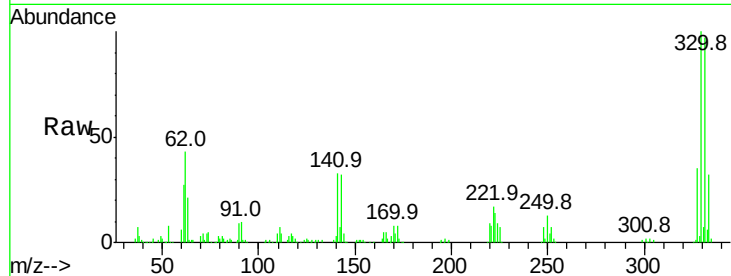




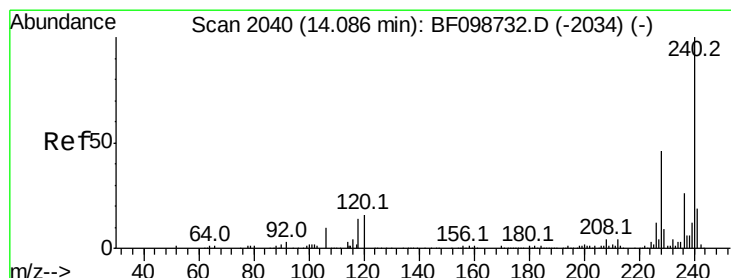
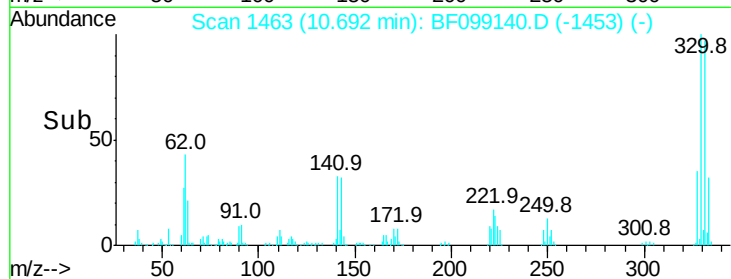
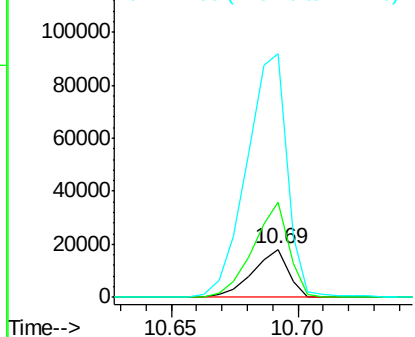
#66
 4-Bromophenyl-phenylether
 Concen: 4.197 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17968
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 505.0 74.4 111.6#

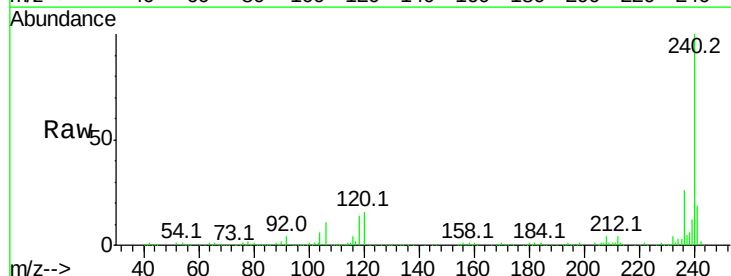


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

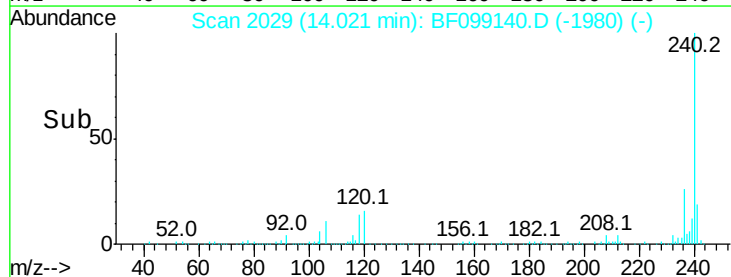
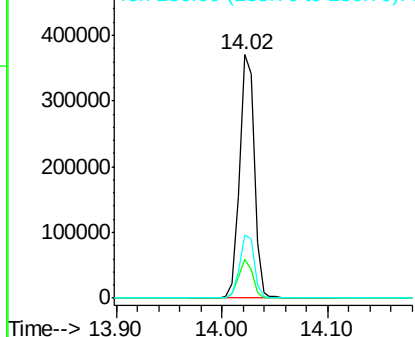


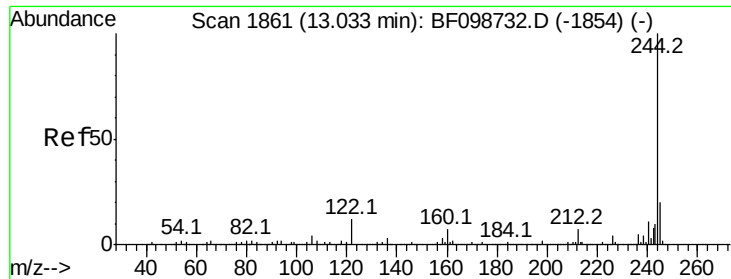
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF099140.D
 Acq: 6 Oct 2017 11:11

Tgt Ion:240 Resp: 352274
 Ion Ratio Lower Upper
 240 100
 120 15.9 9.5 14.3#
 236 25.9 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: 81.307 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

Instrument :

BNA_F

ClientSampleId :

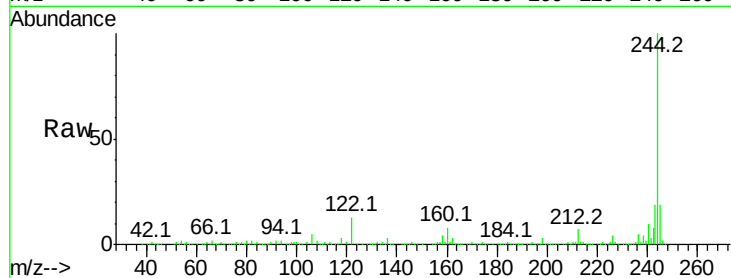
Tot Ion:244 Resp: 1259439

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

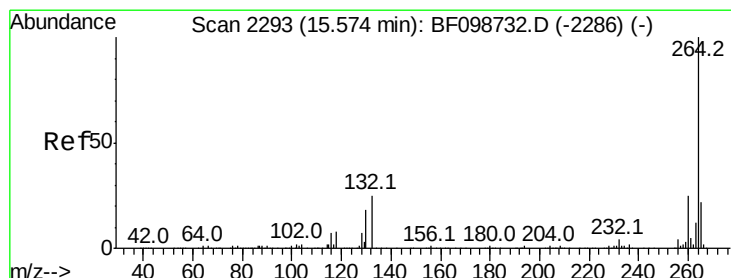
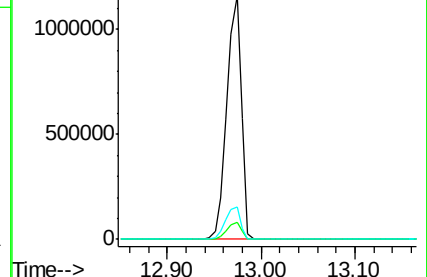
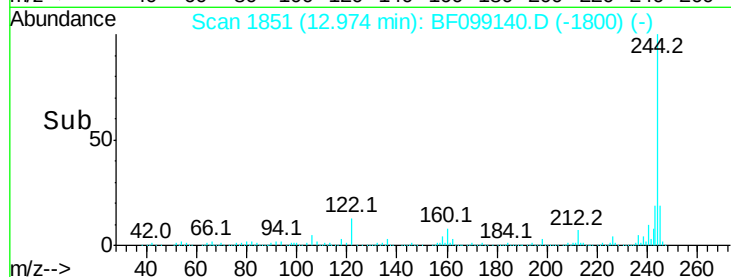
122 13.2 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099140.D

Acq: 6 Oct 2017 11:11

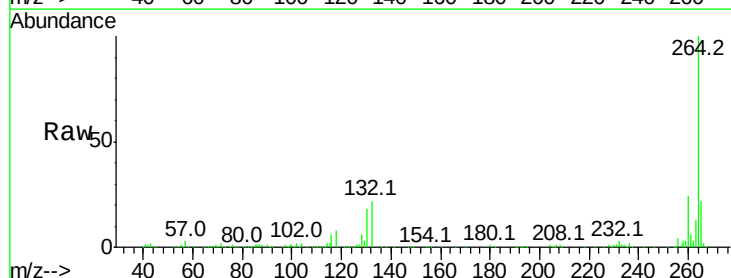
Tgt Ion:264 Resp: 252059

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.8 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

