

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099112.D
 Acq On : 5 Oct 2017 19:21
 Operator : SJ/JU
 Sample : I5526-02DL2 100X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 19:52:44 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

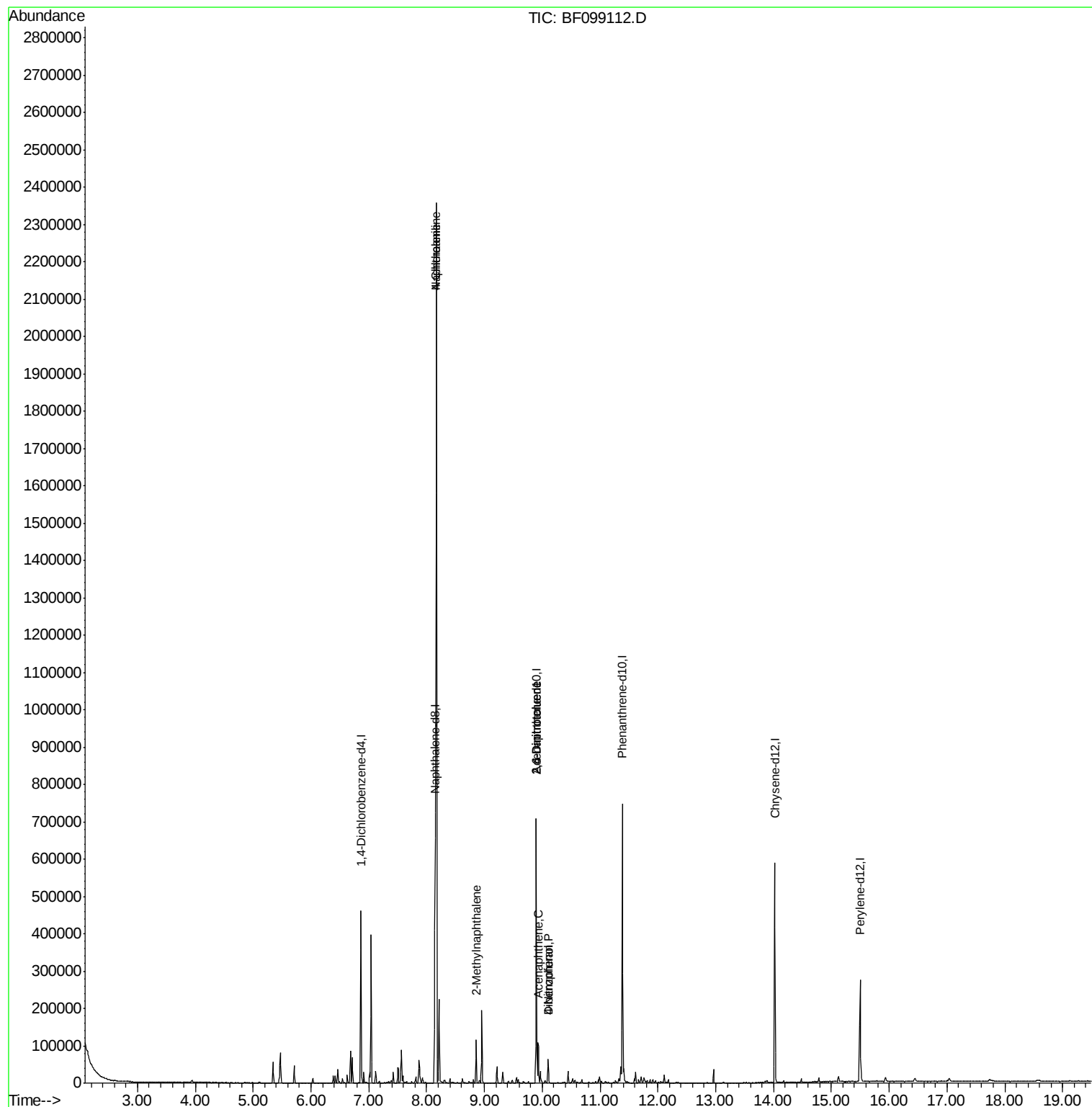
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	66344	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	288242	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	133215	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	246092	20.00	ng	0.00
75) Chrysene-d12	14.02	240	178778	20.00	ng	-0.01
86) Perylene-d12	15.50	264	122069	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2864	0.69	ng	0.00
7) Phenol-d6	6.49	99	2435	0.47	ng	-0.01
23) Nitrobenzene-d5	7.42	82	6186	1.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	1016	0.93	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	13460	1.69	ng	-0.01
78) Terphenyl-d14	12.96	244	11020	1.40	ng	-0.01
Target Compounds						
31) Naphthalene	8.17	128	1057343	78.104	ng	99
33) 4-Chloroaniline	8.17	127	140968	24.935	ng	# 34
37) 2-Methylnaphthalene	8.86	142	27546	3.130	ng	98
50) 2,6-Dinitrotoluene	9.90	165	16834	7.691	ng	# 26
51) Acenaphthene	9.93	154	24287	2.914	ng	99
54) Dibenzofuran	10.10	168	24325	2.192	ng	99
55) 4-Nitrophenol	10.10	139	9099	4.216	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	16834	5.926	ng	# 24

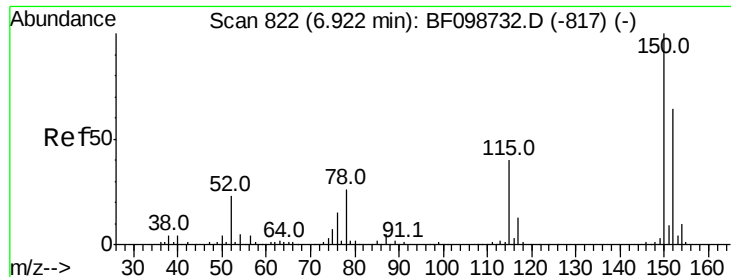
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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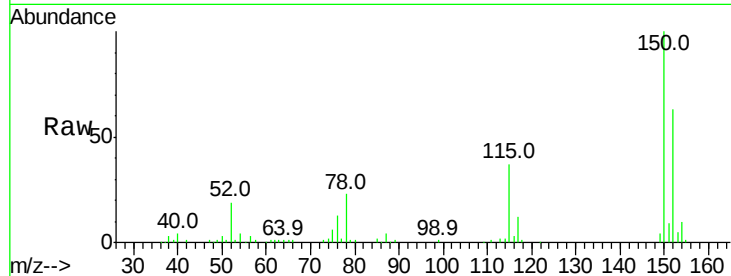


#1

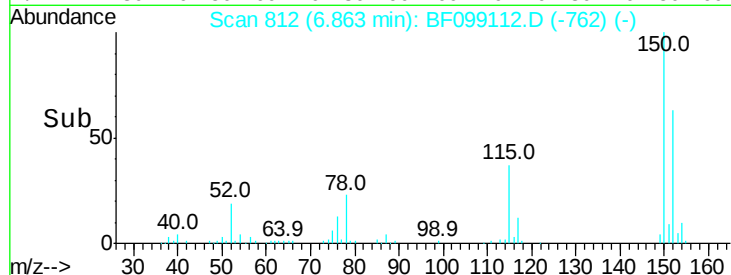
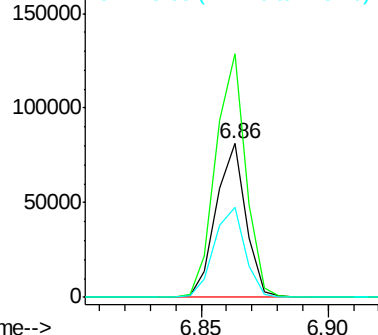
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099112.D
Acq: 5 Oct 2017 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66344
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 58.6 50.1 75.1



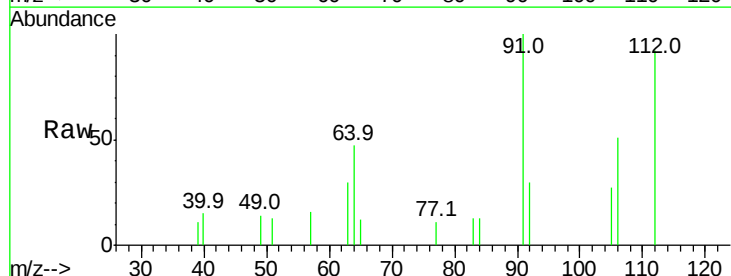
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



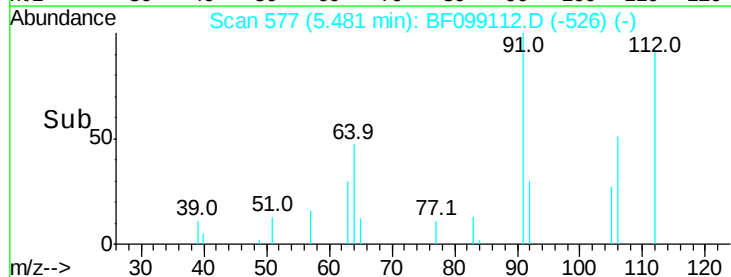
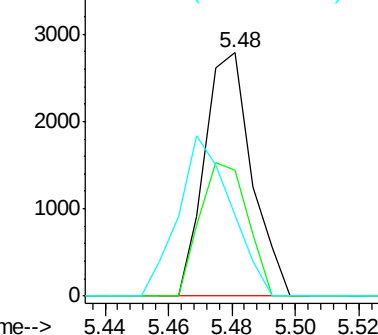
#5

2-Fluorophenol
Concen: 0.687 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099112.D
Acq: 5 Oct 2017 19:21

Tgt Ion:112 Resp: 2864
Ion Ratio Lower Upper
112 100
64 51.7 47.9 71.9
63 33.2 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: 0.474 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

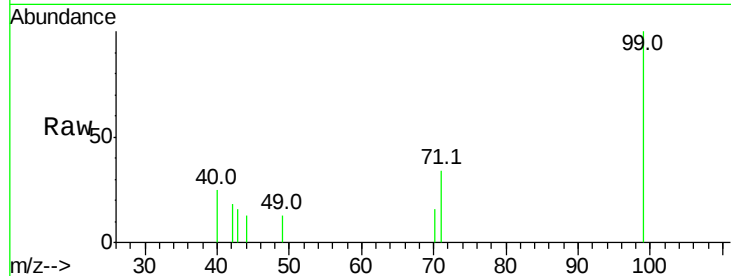
Tot Ion: 99 Resp: 2435

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

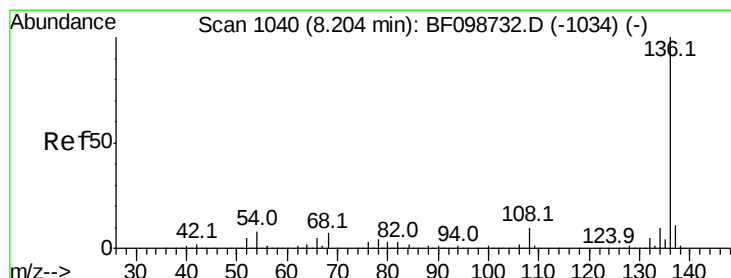
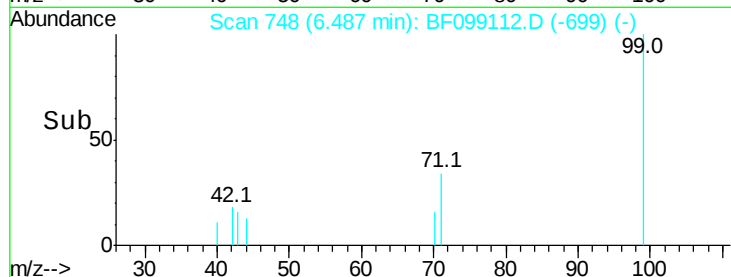
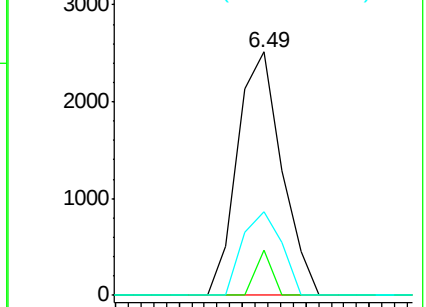
71 34.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Tgt Ion: 136 Resp: 288242

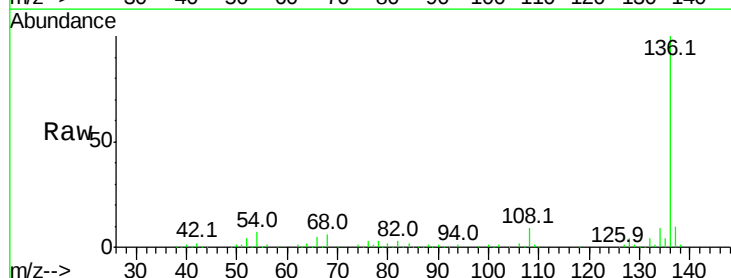
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

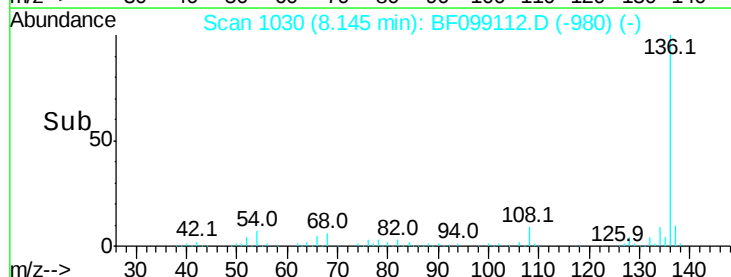
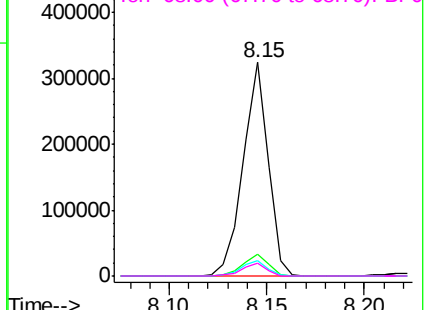


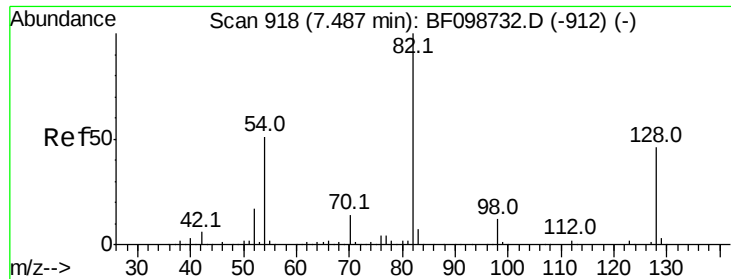
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 1.376 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampled :

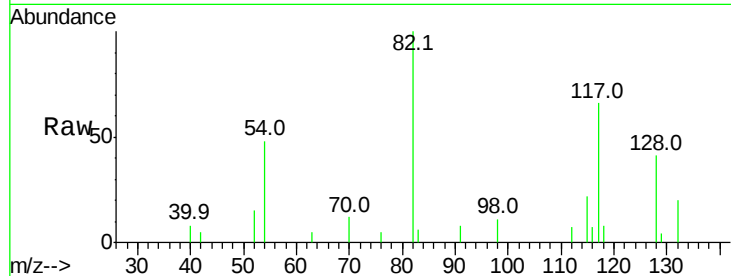
Tot Ion: 82 Resp: 6186

Ion Ratio Lower Upper

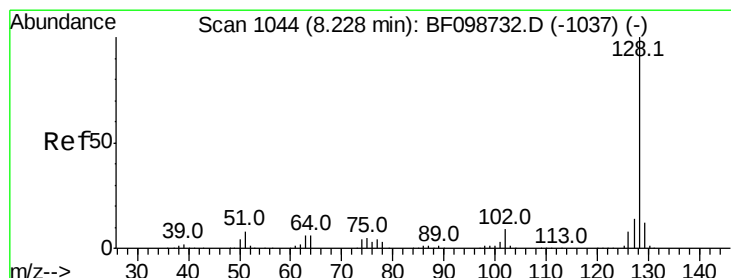
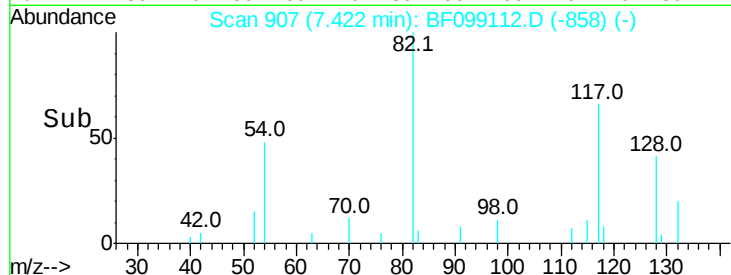
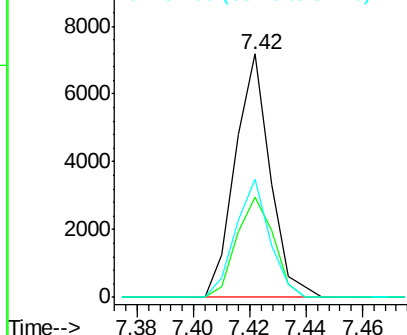
82 100

128 41.3 36.1 54.1

54 48.5 41.4 62.2



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



#31

Naphthalene

Concen: 78.104 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

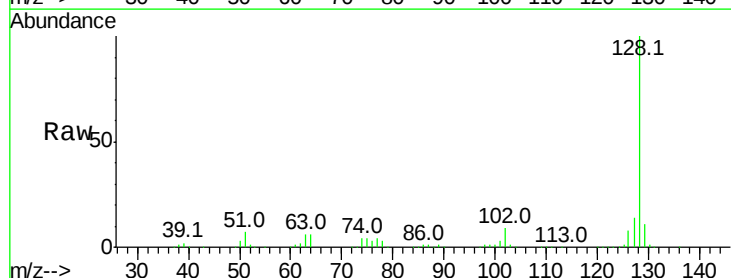
Tgt Ion:128 Resp: 1057343

Ion Ratio Lower Upper

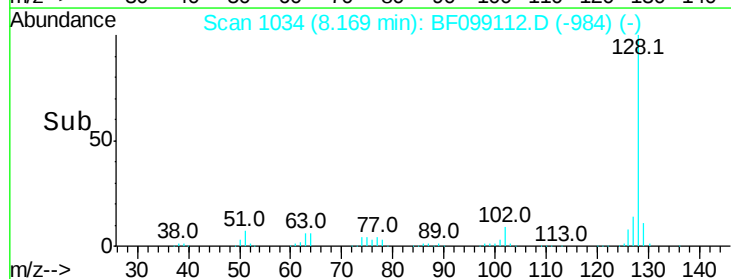
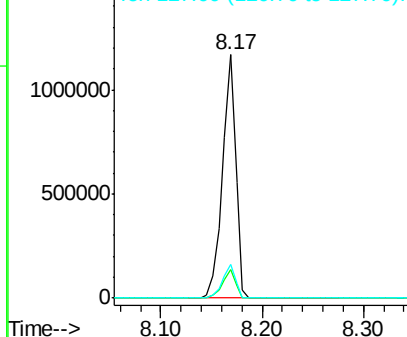
128 100

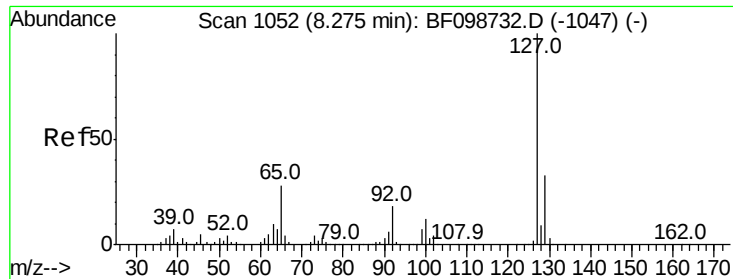
129 11.5 8.8 13.2

127 13.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): B
Ion 129.00 (128.70 to 129.70): B
Ion 127.00 (126.70 to 127.70): B

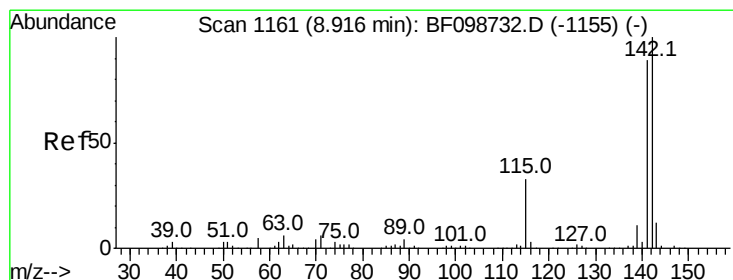
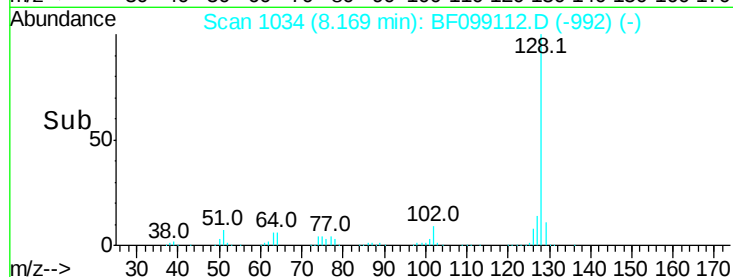
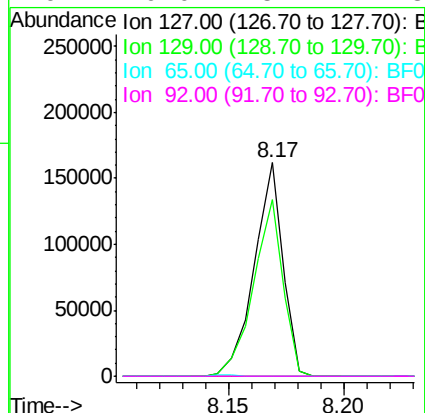
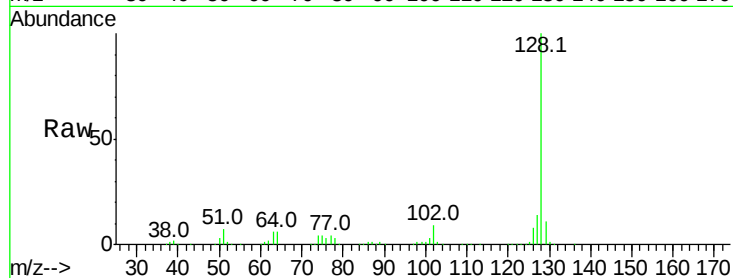




#33
4-Chloroaniline
Concen: 24.935 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF099112.D
Acq: 5 Oct 2017 19:21

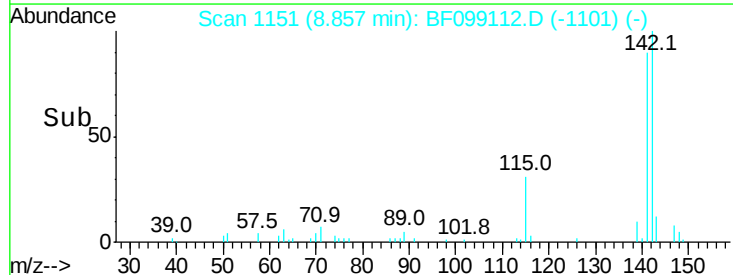
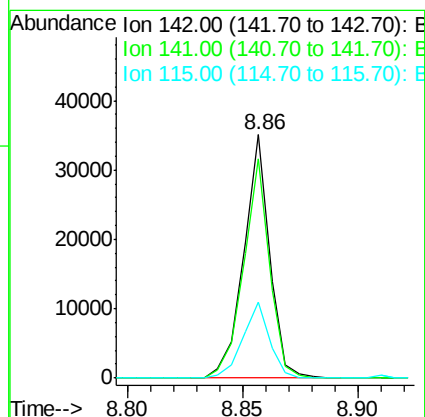
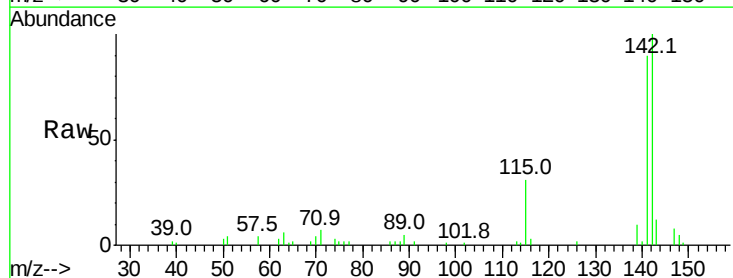
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	140968
Ion	Ratio	Lower	Upper
127	100		
129	82.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 3.130 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099112.D
Acq: 5 Oct 2017 19:21

Tgt Ion:	142	Resp:	27546
Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	31.4	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

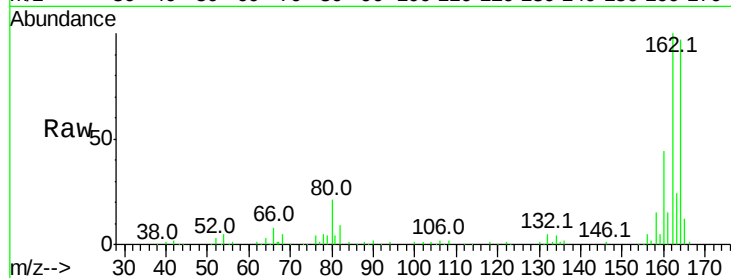
Tot Ion:164 Resp: 133215

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

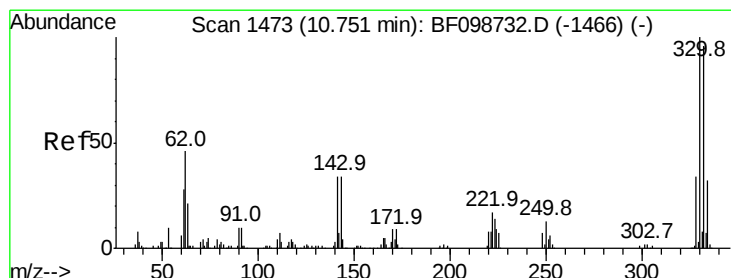
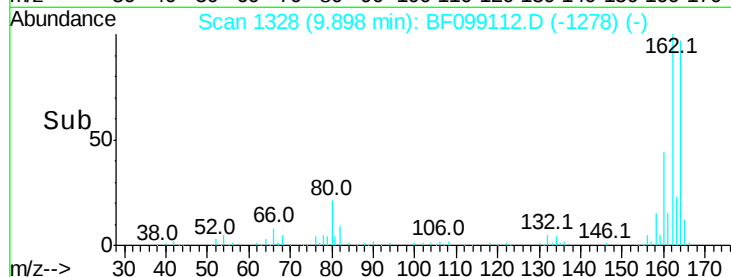
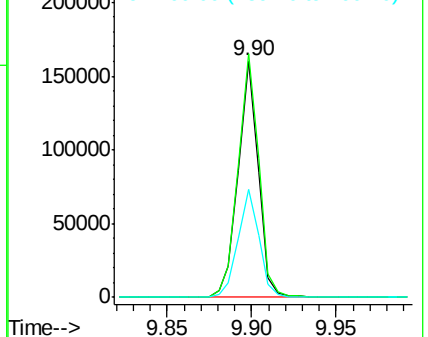
160 45.7 38.3 57.5



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: 0.932 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

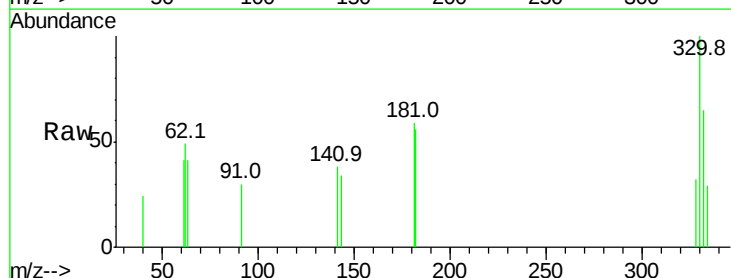
Tgt Ion:330 Resp: 1016

Ion Ratio Lower Upper

330 100

332 80.9 77.0 115.6

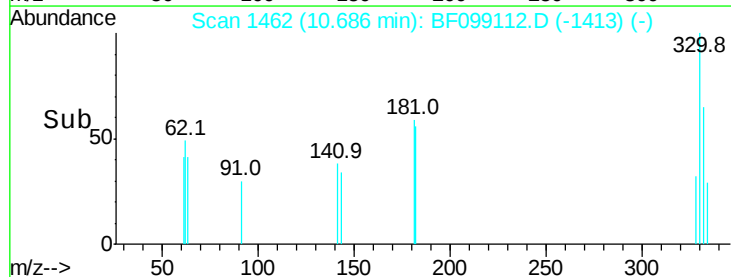
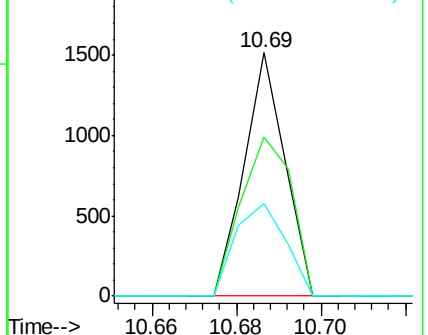
141 46.8 29.9 44.9#



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

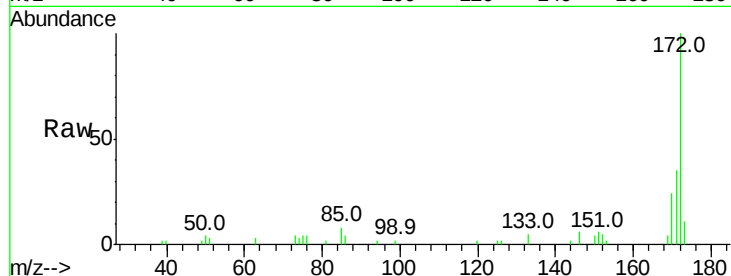




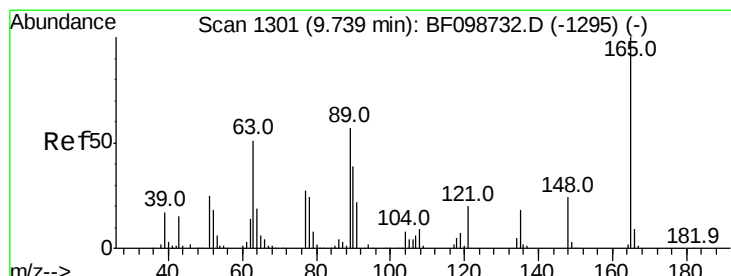
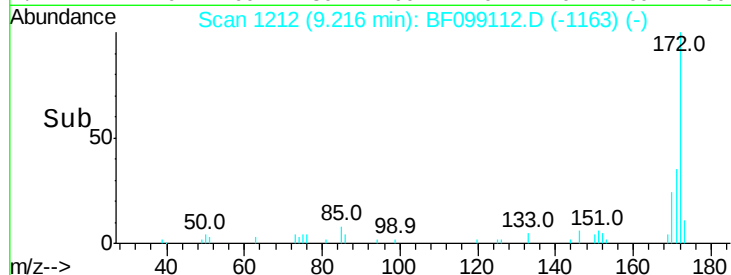
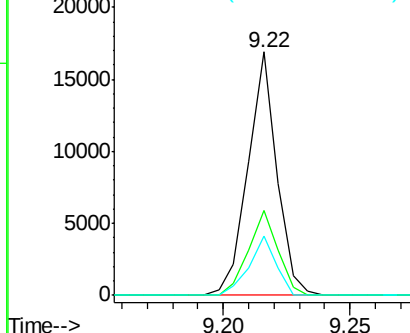
#44
 2-Fluorobiphenyl
 Concen: 1.687 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099112.D
 Acq: 5 Oct 2017 19:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 13460
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 24.3 19.6 29.4

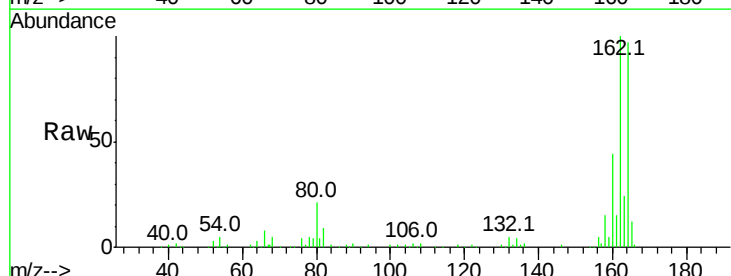


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

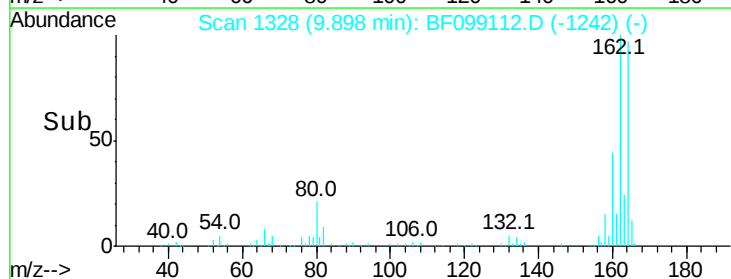
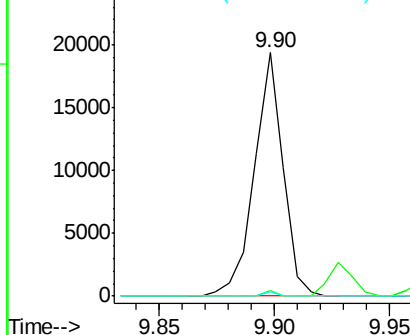


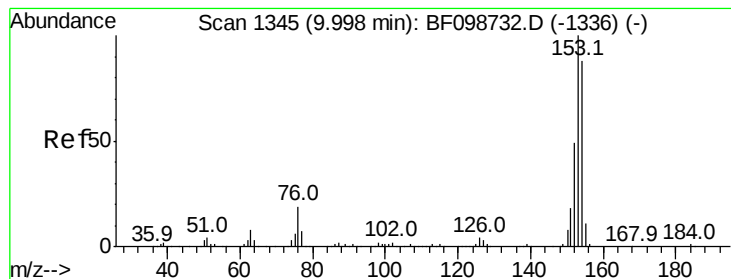
#50
 2,6-Dinitrotoluene
 Concen: 7.691 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099112.D
 Acq: 5 Oct 2017 19:21

Tgt Ion:165 Resp: 16834
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.7 67.1#
 89 1.6 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





#51

Acenaphthene

Concen: 2.914 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

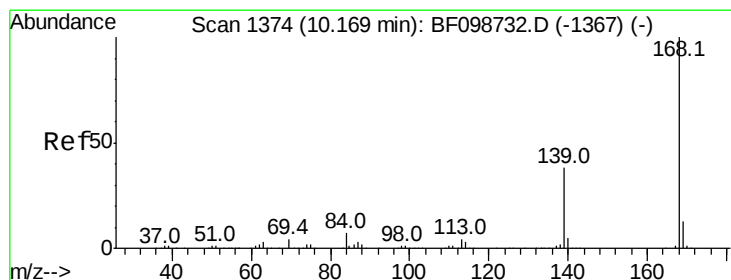
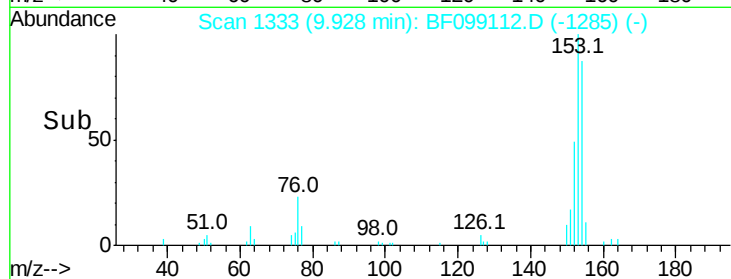
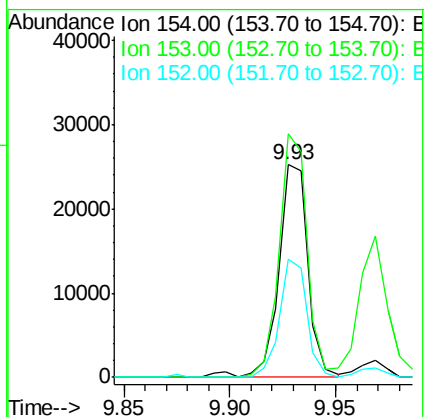
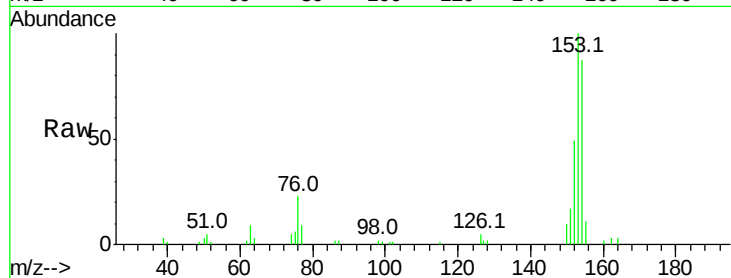
Tot Ion:154 Resp: 24287

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

152 55.9 43.8 65.8



#54

Dibenzofuran

Concen: 2.192 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

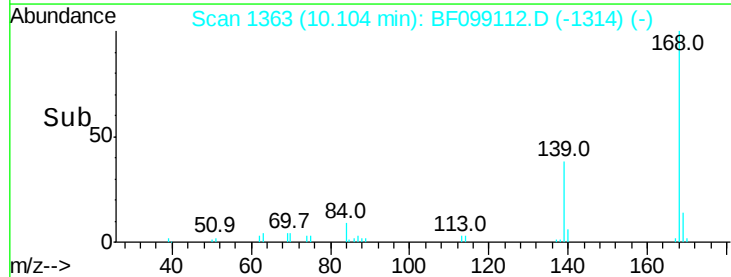
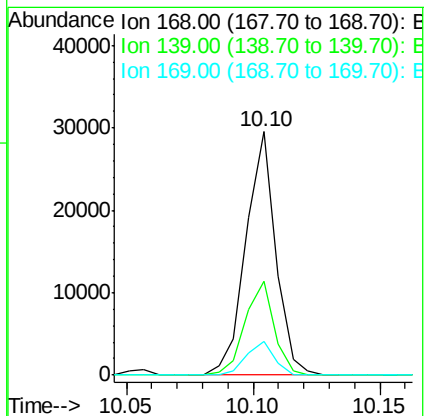
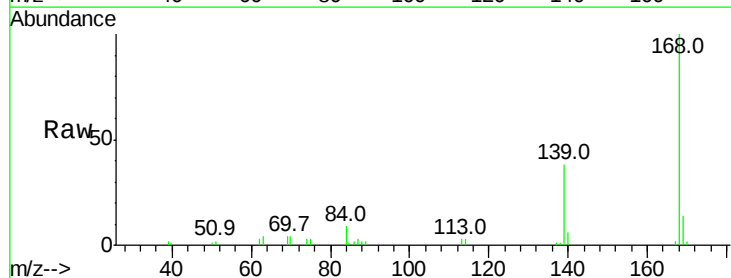
Tgt Ion:168 Resp: 24325

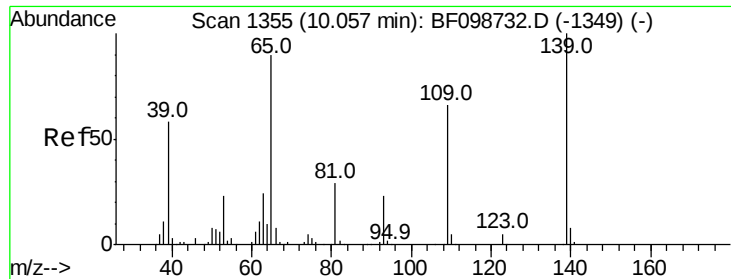
Ion Ratio Lower Upper

168 100

139 38.4 30.1 45.1

169 13.8 10.9 16.3





#55

4-Nitrophenol

Concen: 4.216 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.08 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

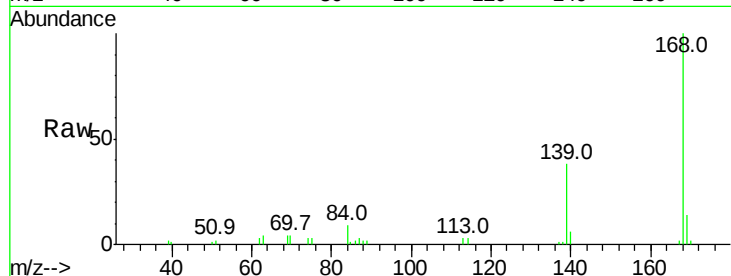
Tot Ion:139 Resp: 9099

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

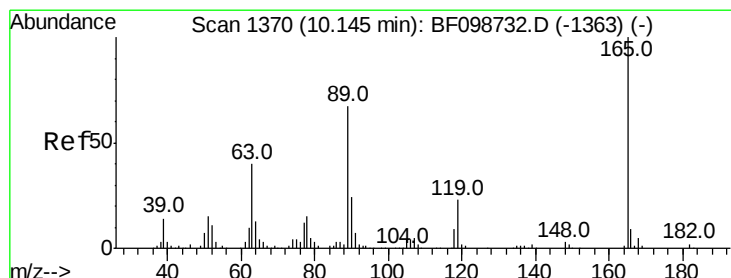
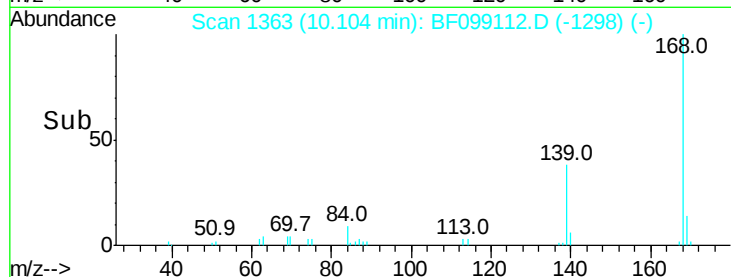
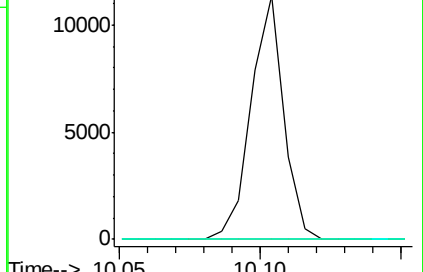
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 5.926 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Tgt Ion:165 Resp: 16834

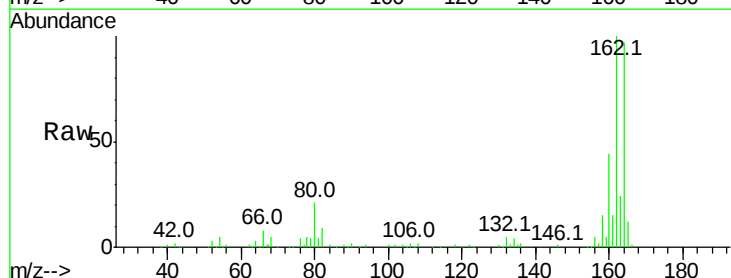
Ion Ratio Lower Upper

165 100

63 2.1 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

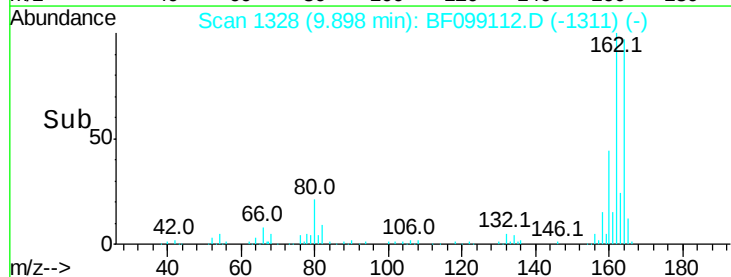
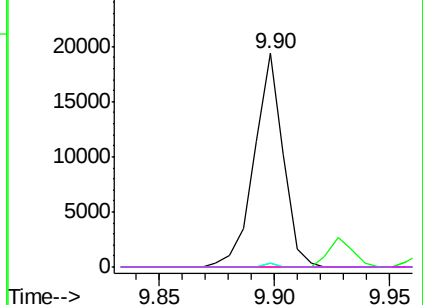


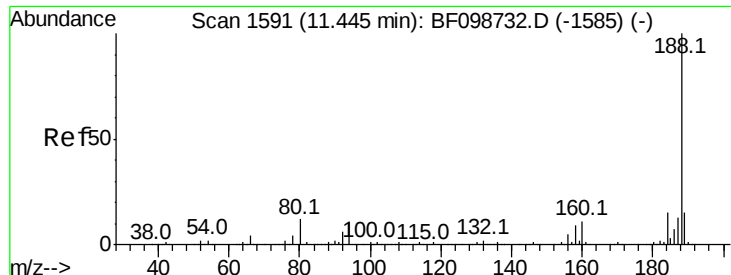
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

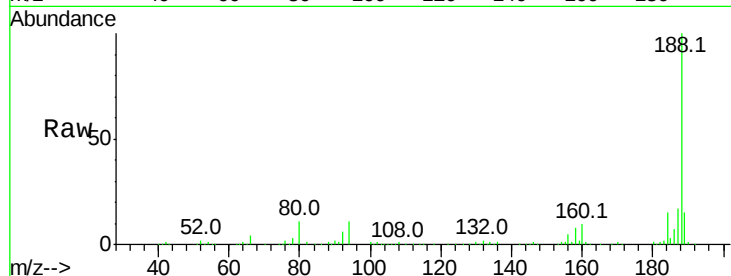
Tot Ion:188 Resp: 246092

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

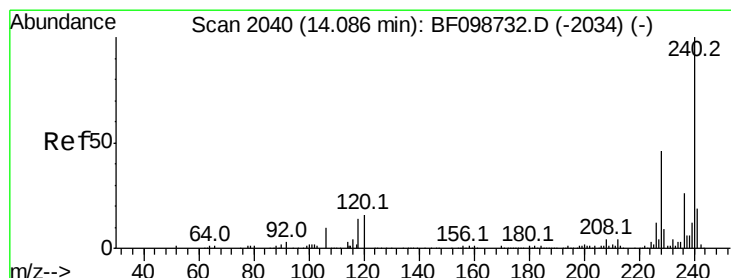
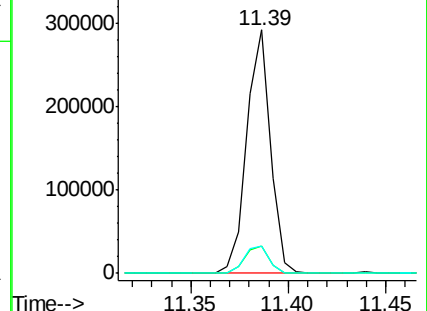
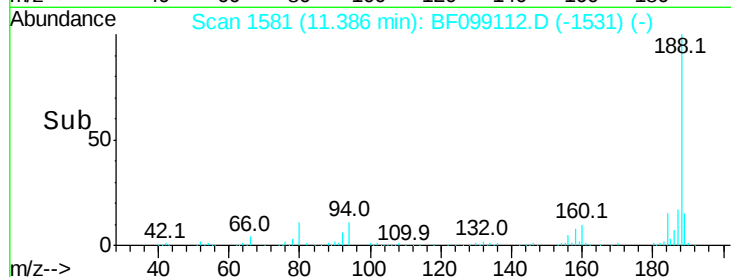
80 11.2 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

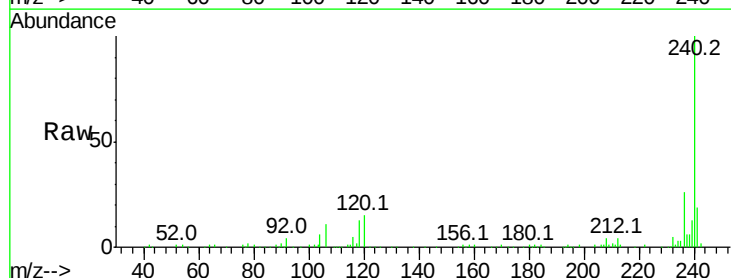
Tgt Ion:240 Resp: 178778

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

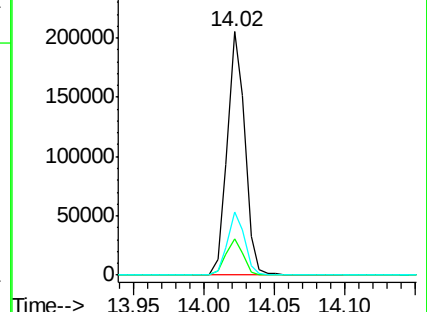
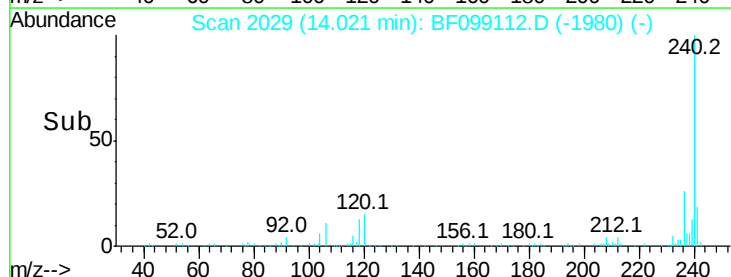
236 26.1 20.7 31.1

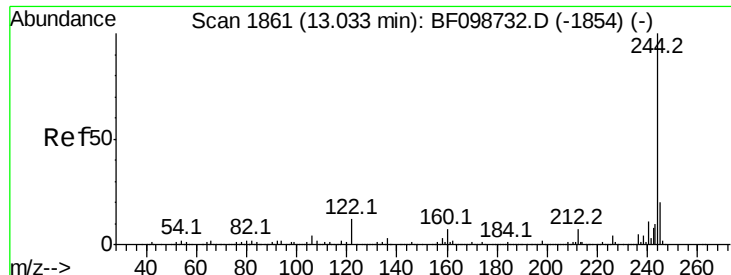


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 1.402 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099112.D

Acq: 5 Oct 2017 19:21

Instrument :

BNA_F

ClientSampleId :

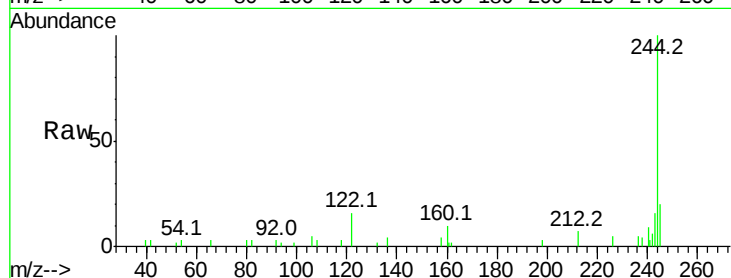
Tot Ion:244 Resp: 11020

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

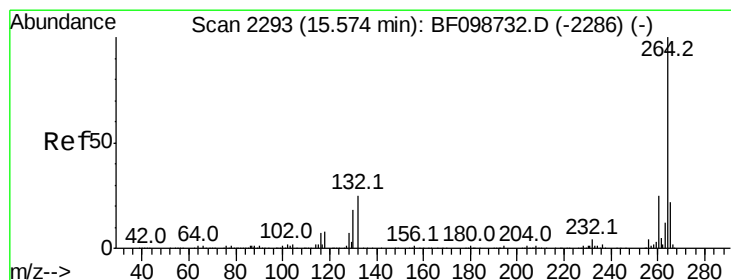
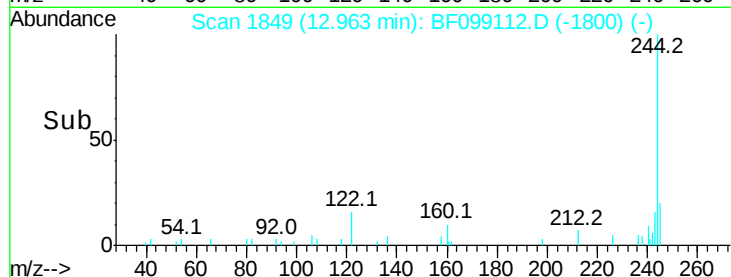
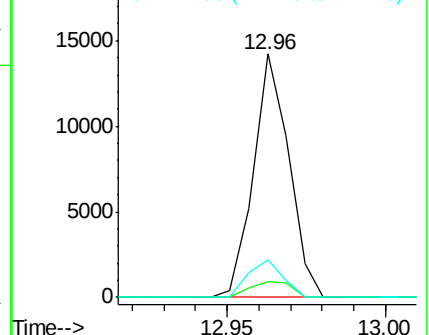
122 15.6 11.0 16.4



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: BF099112.D

Acq: 5 Oct 2017 19:21

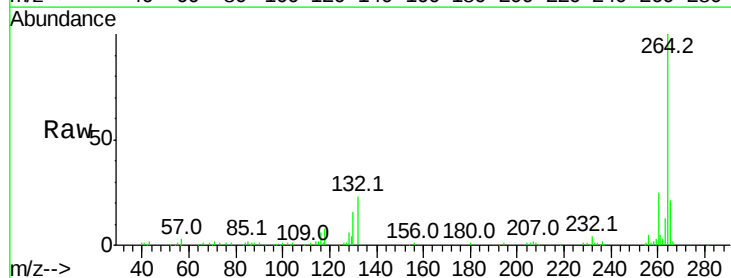
Tgt Ion:264 Resp: 122069

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 21.3 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

