

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099428.D
 Acq On : 13 Oct 2017 8:21
 Operator : SJ/JU
 Sample : I5777-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Quant Time: Oct 13 13:17:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

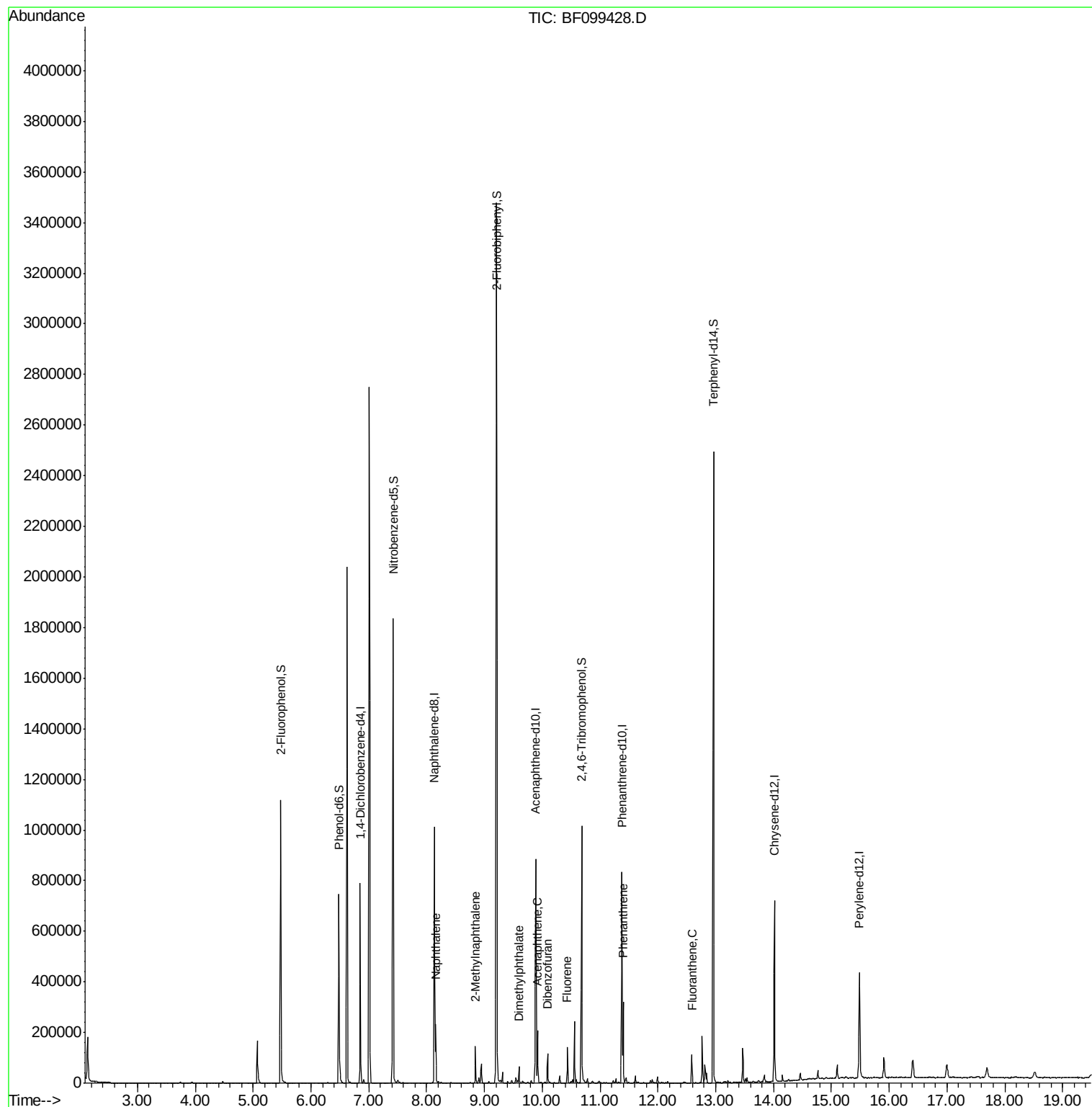
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108320	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	442345	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	176992	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	275788	20.00	ng	0.00
75) Chrysene-d12	14.02	240	225714	20.00	ng	0.00
86) Perylene-d12	15.49	264	174763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	324751	47.73	ng	0.00
7) Phenol-d6	6.48	99	247286	29.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	694056	100.62	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	121103	83.62	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1188631	112.11	ng	0.00
78) Terphenyl-d14	12.96	244	911528	91.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	108505	5.223	ng	98
37) 2-Methylnaphthalene	8.85	142	38177	2.827	ng	98
49) Dimethylphthalate	9.60	163	27539	2.062	ng	99
51) Acenaphthene	9.92	154	44149	3.986	ng	97
54) Dibenzofuran	10.09	168	45291	3.071	ng	100
57) Fluorene	10.43	166	37573	3.170	ng	98
70) Phenanthrene	11.40	178	108602	7.357	ng	97
74) Fluoranthene	12.59	202	41819	2.798	ng	97

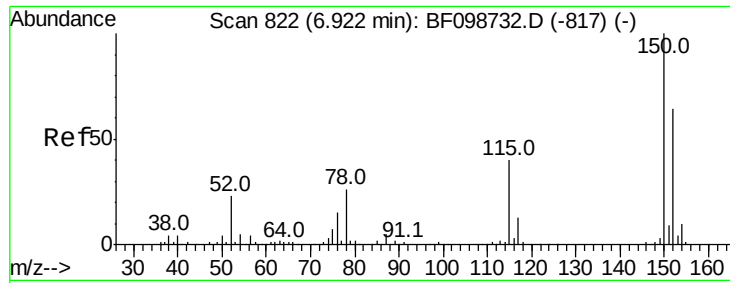
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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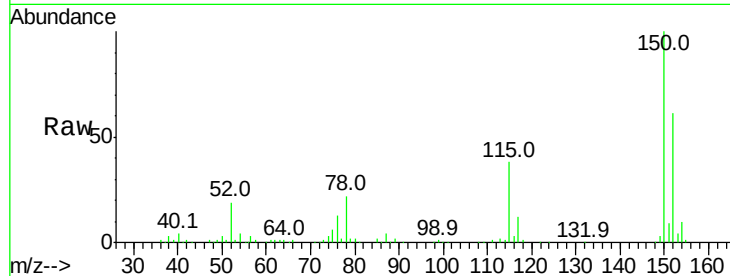


#1

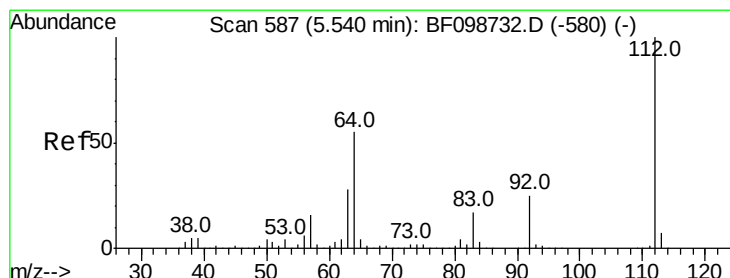
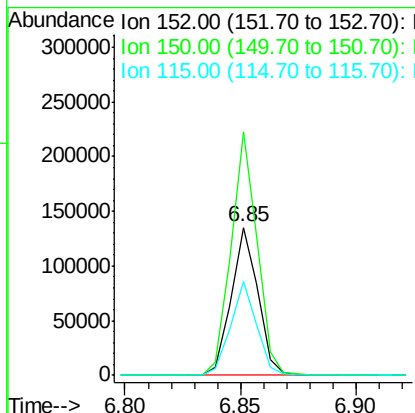
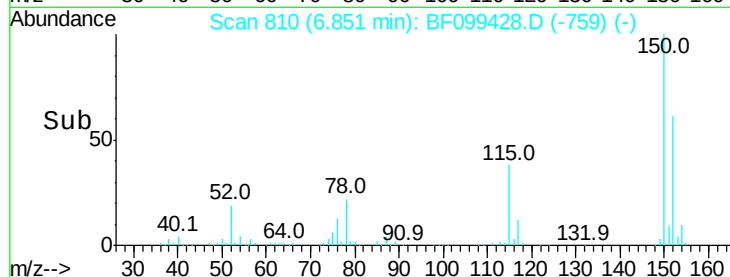
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Tot Ion:152 Resp: 108320
 Ion Ratio Lower Upper
 152 100
 150 164.4 124.6 186.8
 115 63.2 50.1 75.1



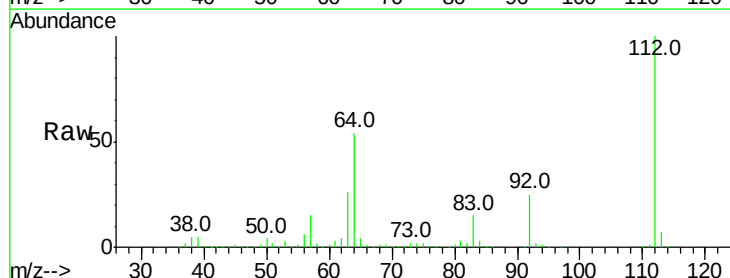
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



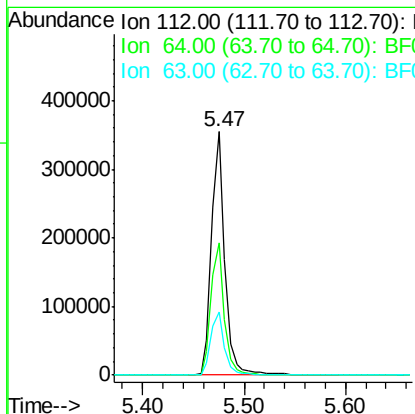
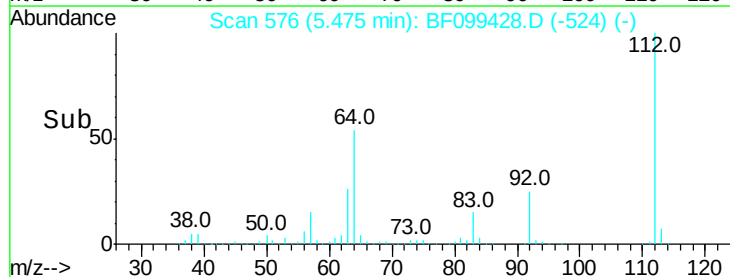
#5

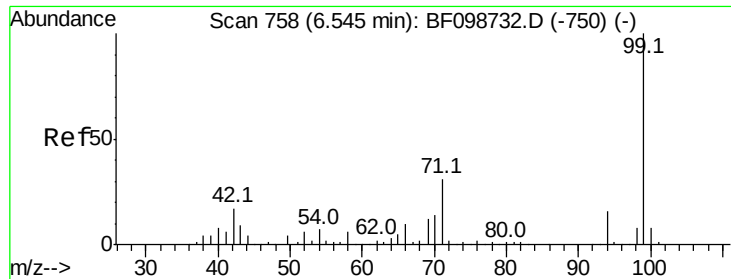
2-Fluorophenol
 Concen: 47.726 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion:112 Resp: 324751
 Ion Ratio Lower Upper
 112 100
 64 54.2 47.9 71.9
 63 26.1 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: 29.460 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

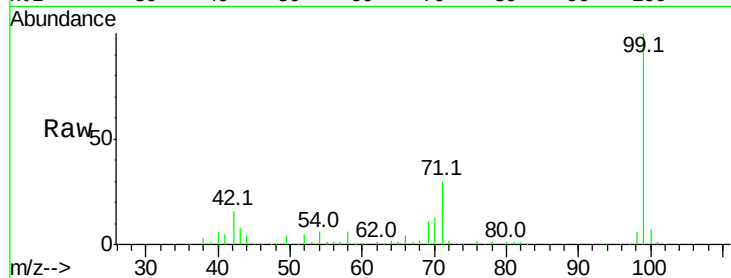
Tot Ion: 99 Resp: 247286

Ion Ratio Lower Upper

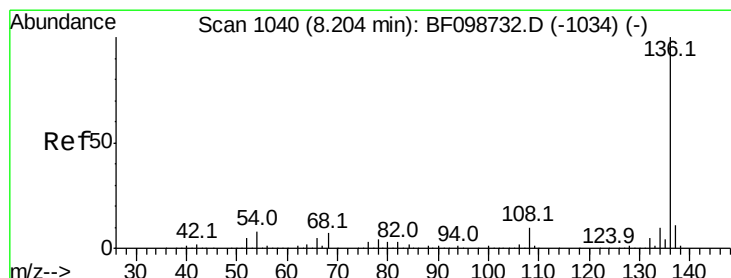
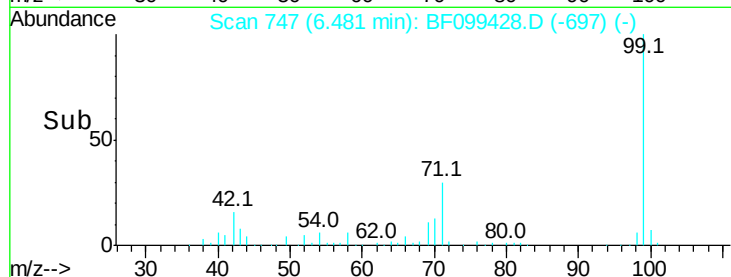
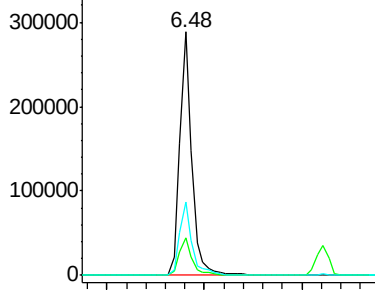
99 100

42 15.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Tgt Ion: 136 Resp: 442345

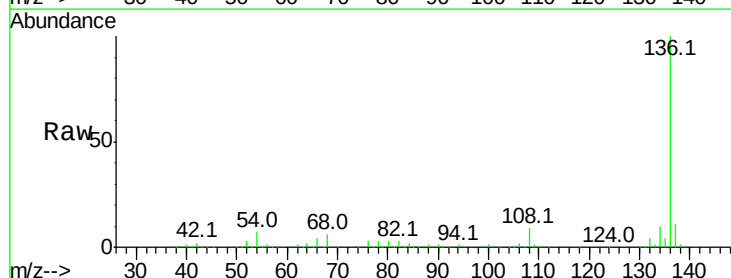
Ion Ratio Lower Upper

136 100

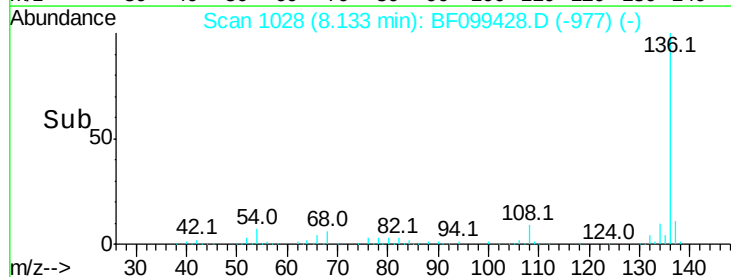
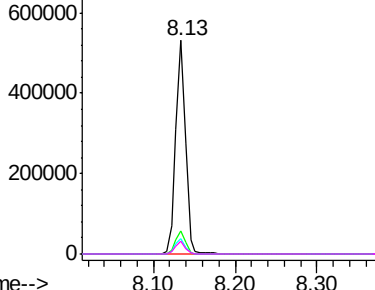
137 10.7 8.9 13.3

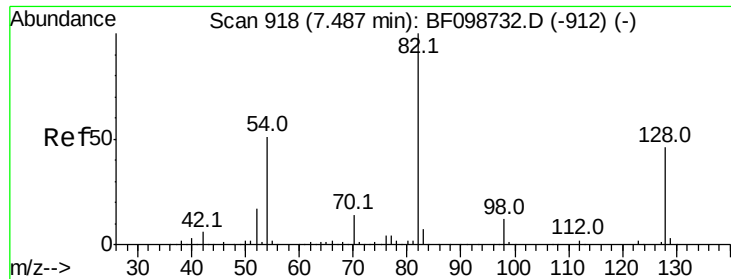
54 7.2 6.6 9.8

68 5.8 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

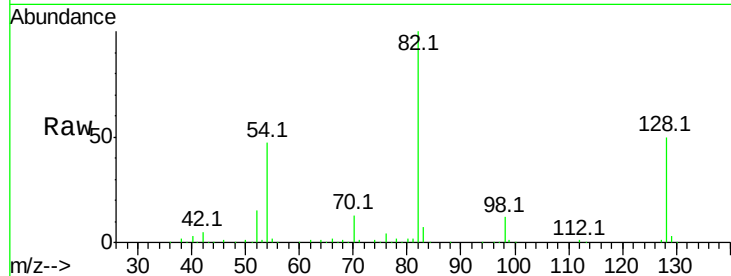




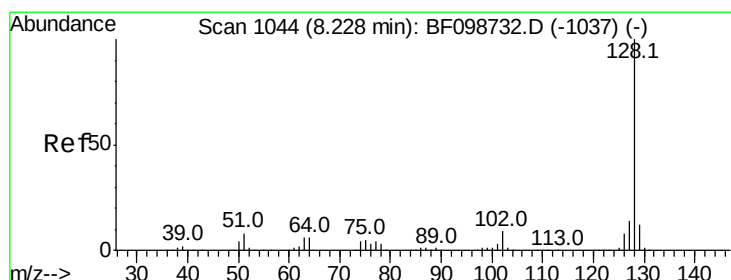
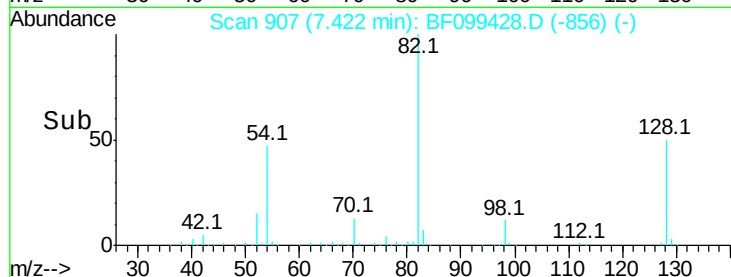
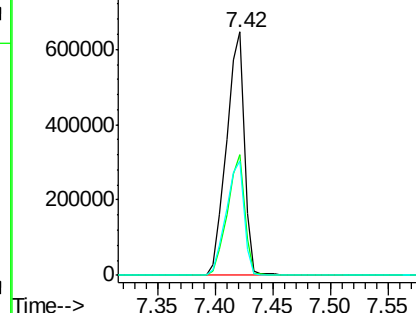
#23
 Nitrobenzene-d5
 Concen: 100.623 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Tot Ion	82	Resp	694056
Ion Ratio	Lower	Upper	
82	100		
128	49.7	36.1	54.1
54	46.7	41.4	62.2

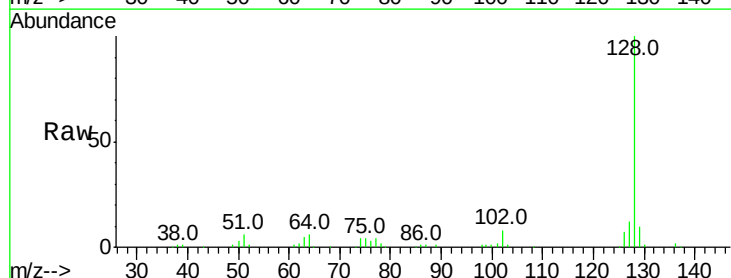


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

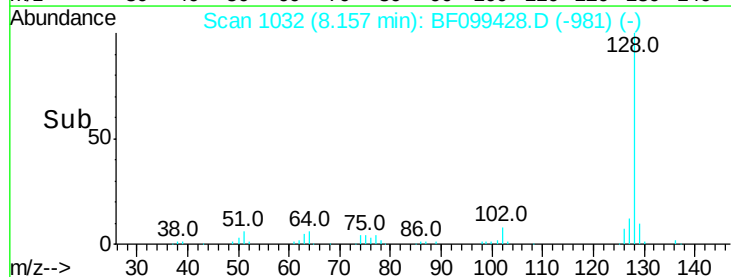
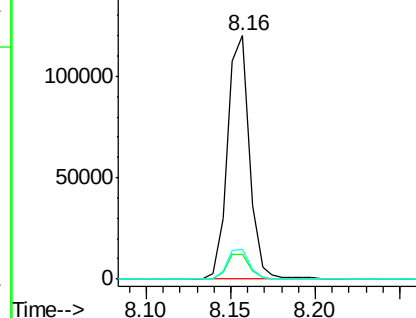


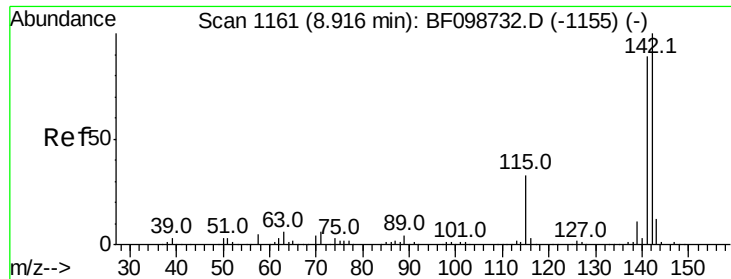
#31
 Naphthalene
 Concen: 5.223 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion	128	Resp	108505
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	12.4	10.9	16.3



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

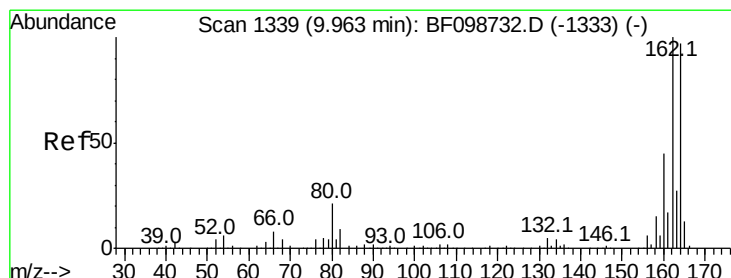
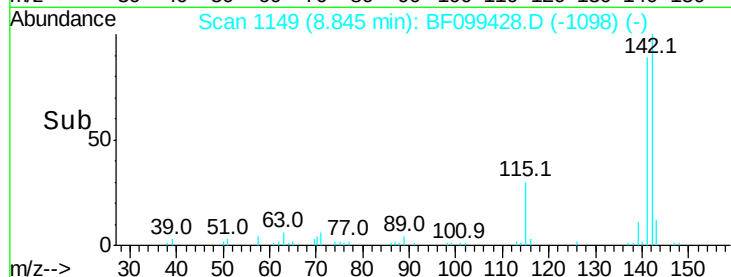
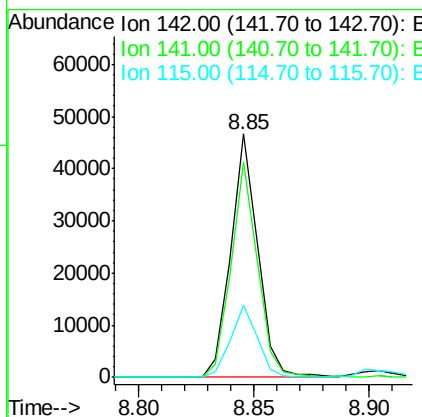
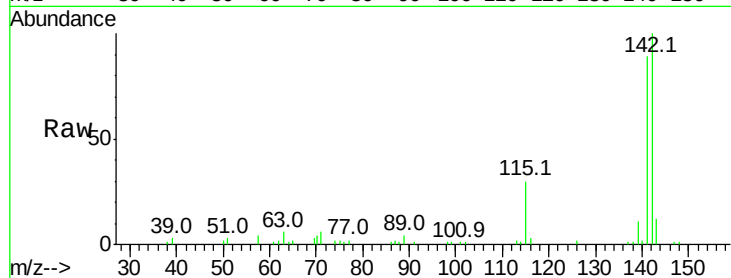




#37
2-Methylnaphthalene
Concen: 2.827 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

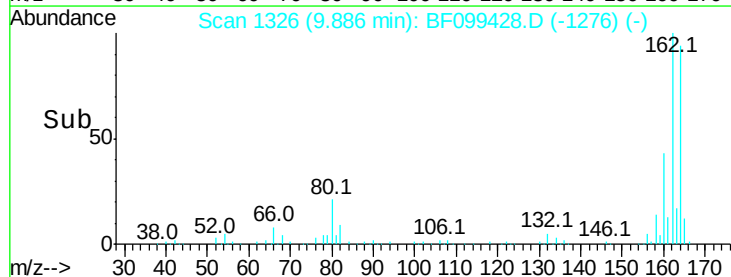
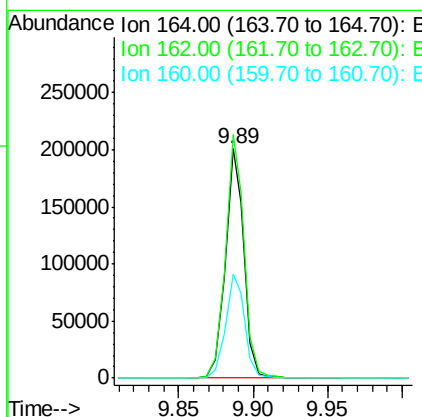
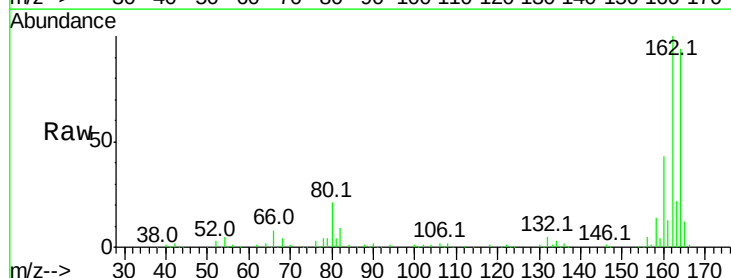
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

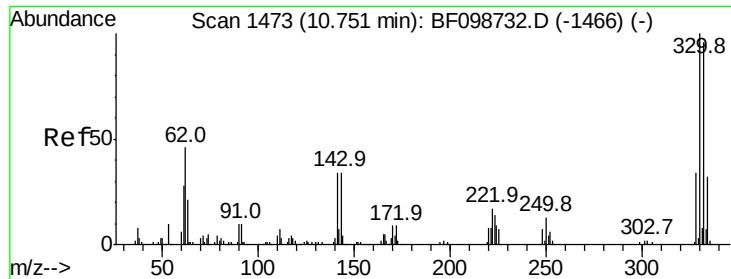
Tot Ion:142 Resp: 38177
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 29.7 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:164 Resp: 176992
Ion Ratio Lower Upper
164 100
162 106.1 86.1 129.1
160 45.5 38.3 57.5

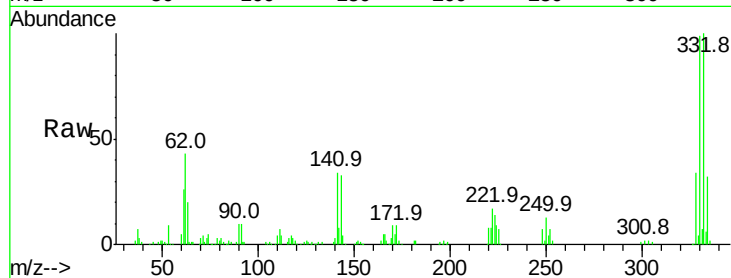




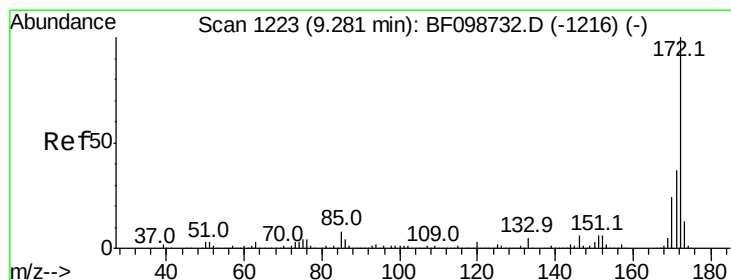
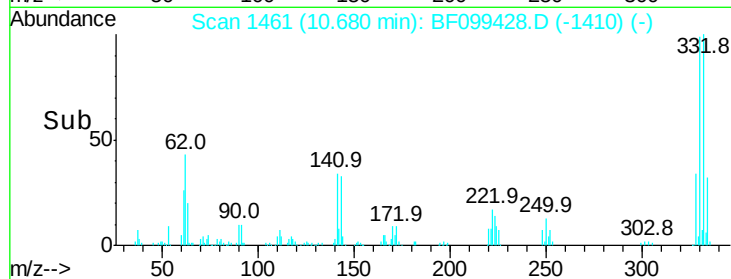
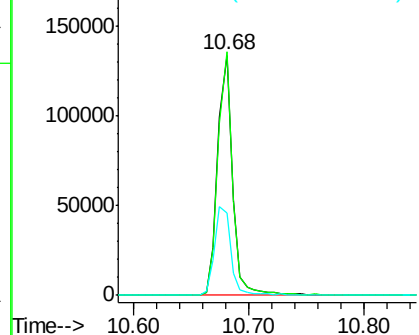
#41
 2,4,6-Tribromophenol
 Concen: 83.619 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	40.3	29.9	44.9

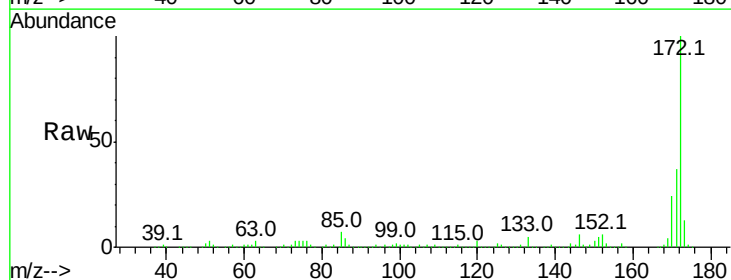


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

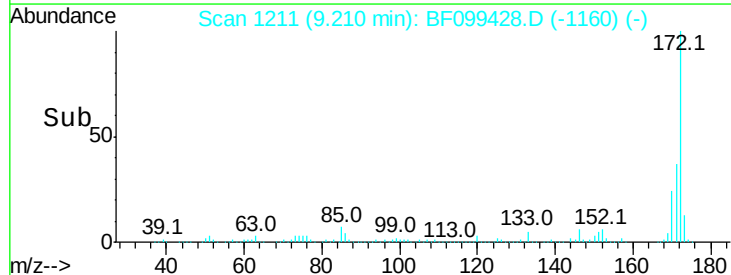
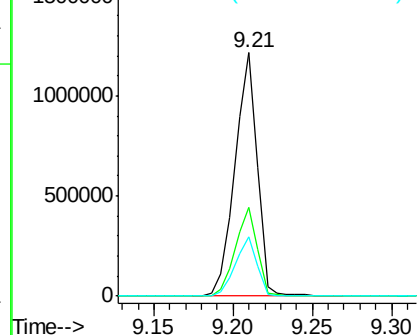


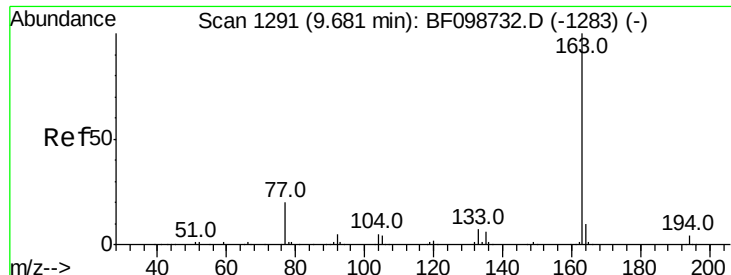
#44
 2-Fluorobiphenyl
 Concen: 112.114 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	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

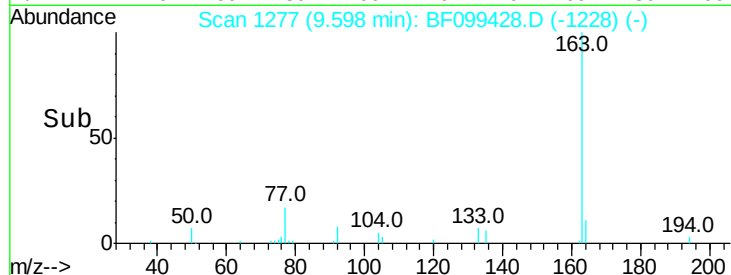
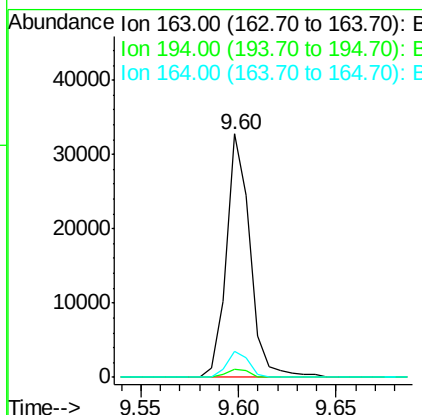
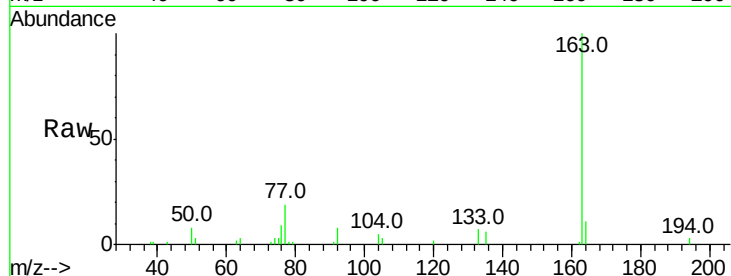




#49
Dimethylphthalate
Concen: 2.062 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

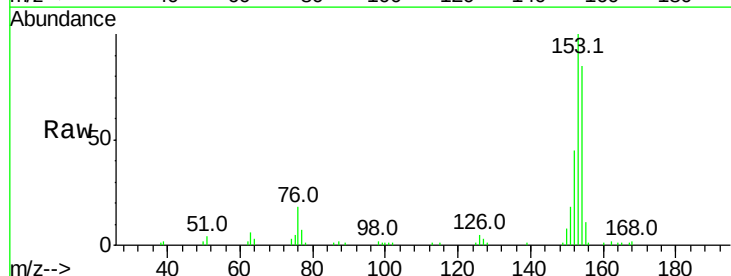
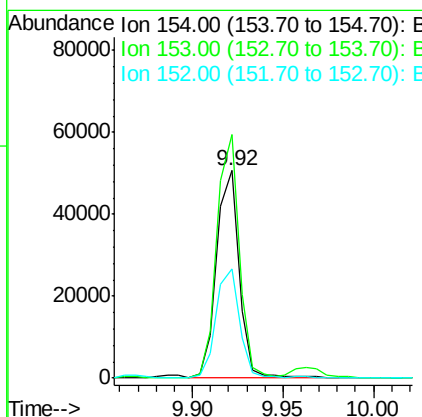
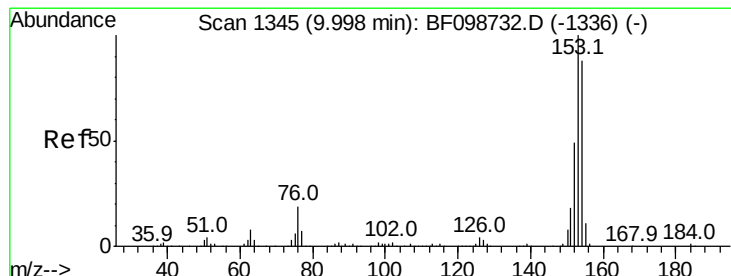
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

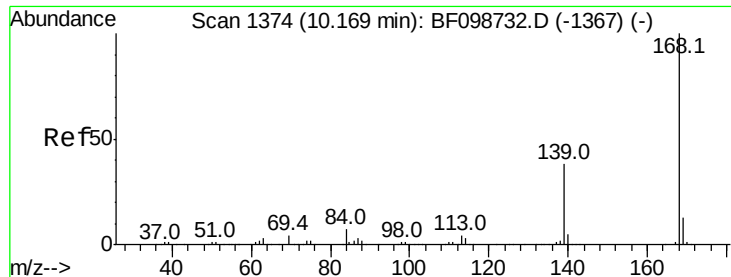
Tot Ion:163 Resp: 27539
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.6 8.2 12.2



#51
Acenaphthene
Concen: 3.986 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:154 Resp: 44149
Ion Ratio Lower Upper
154 100
153 117.5 91.2 136.8
152 52.6 43.8 65.8





#54

Dibenzenofuran

Concen: 3.071 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

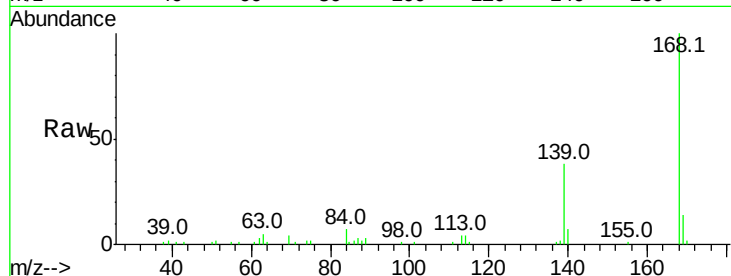
Tot Ion:168 Resp: 45291

Ion Ratio Lower Upper

168 100

139 37.8 30.1 45.1

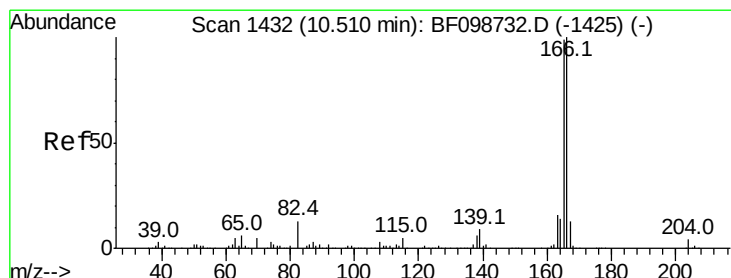
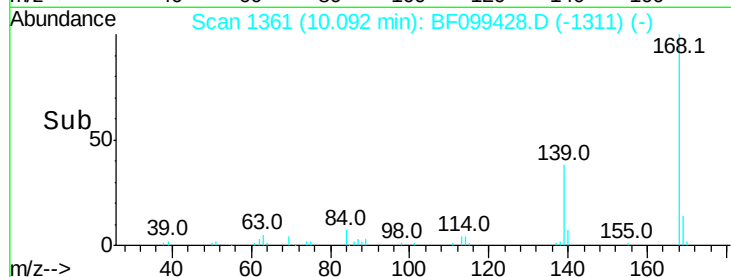
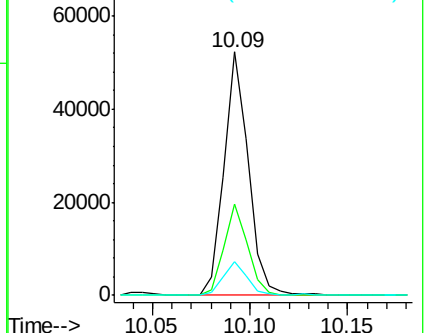
169 14.0 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.170 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

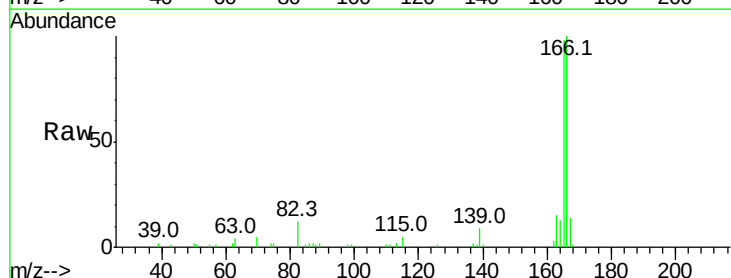
Tgt Ion:166 Resp: 37573

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

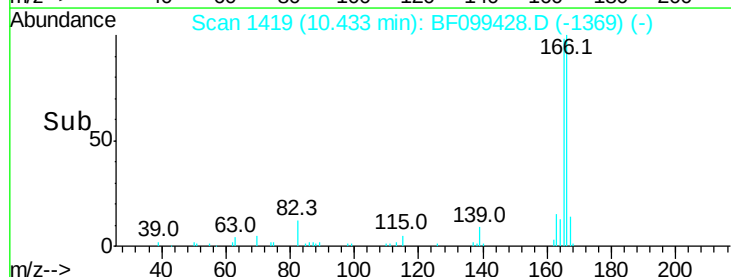
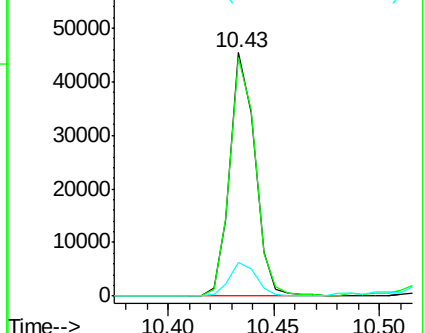
167 14.0 10.6 16.0

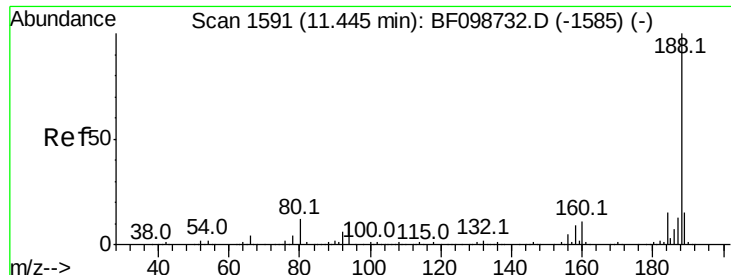


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

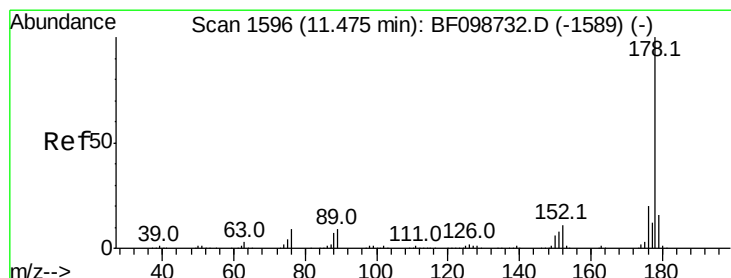
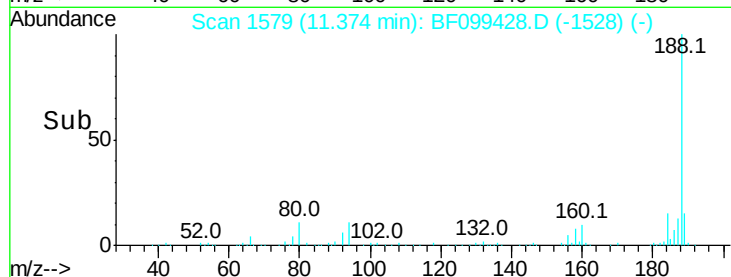
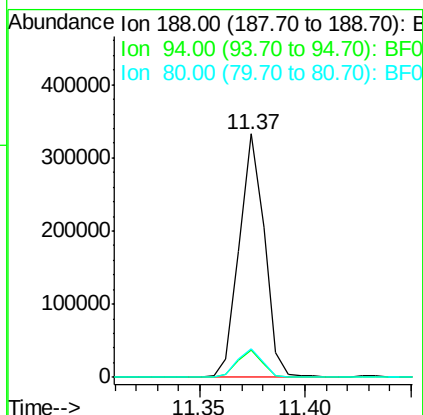
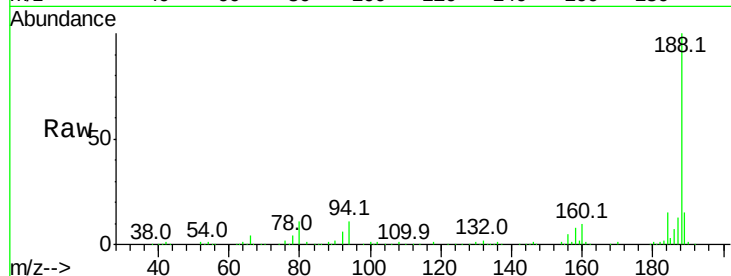




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

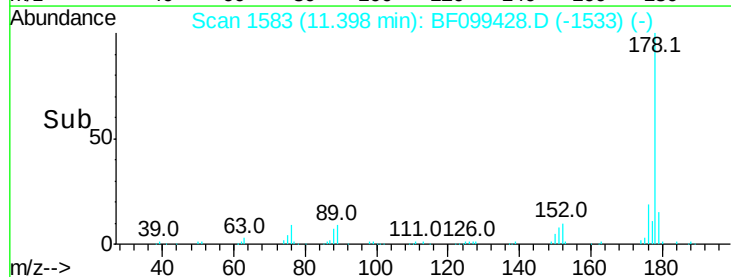
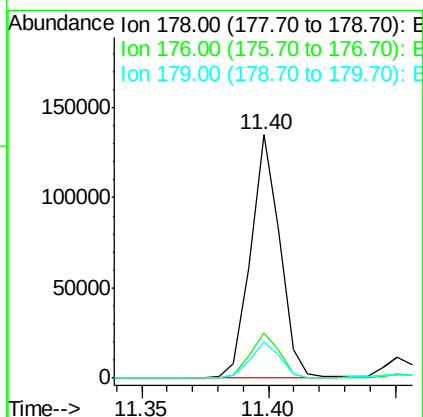
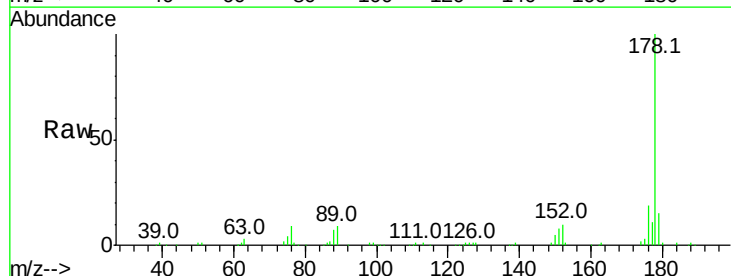
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

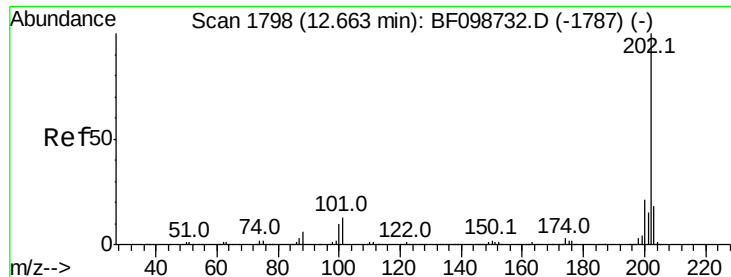
Tot Ion:188 Resp: 275788
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 7.357 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:178 Resp: 108602
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 13.0 19.6





#74

Fluoranthene

Concen: 2.798 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

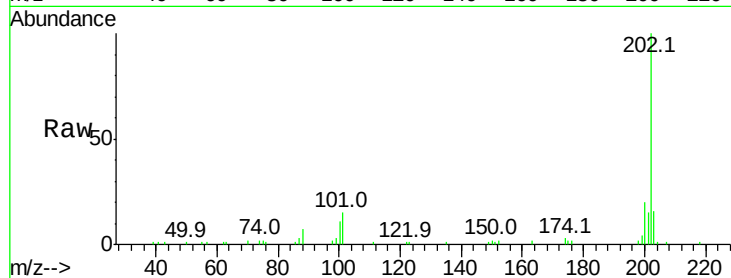
Tot Ion:202 Resp: 41819

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

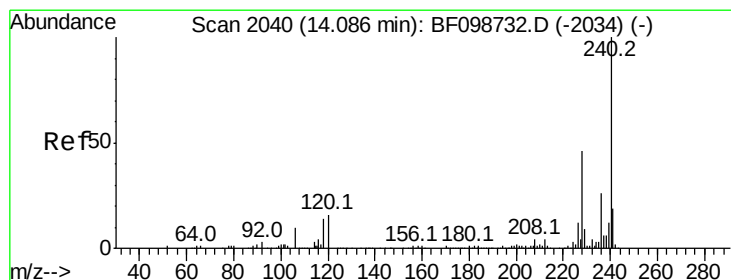
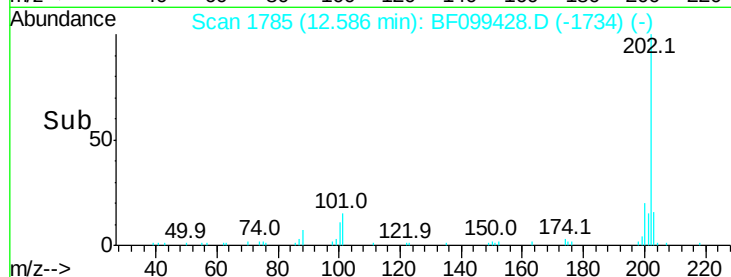
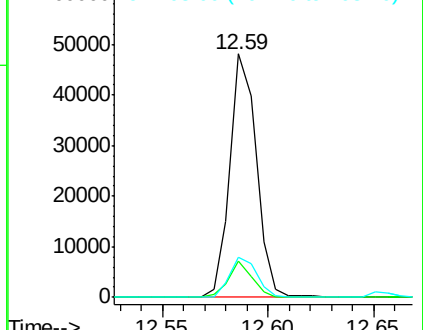
203 16.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

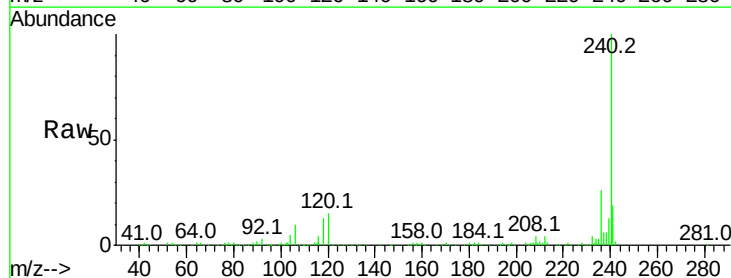
Tgt Ion:240 Resp: 225714

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

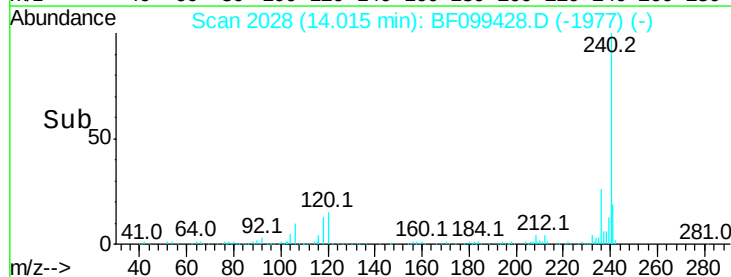
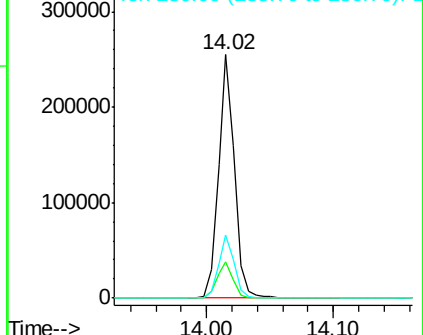
236 25.8 20.7 31.1

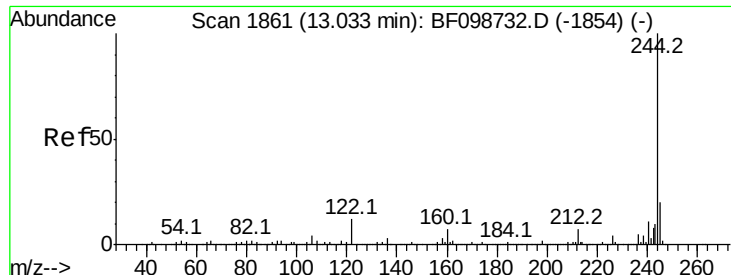


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.842 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

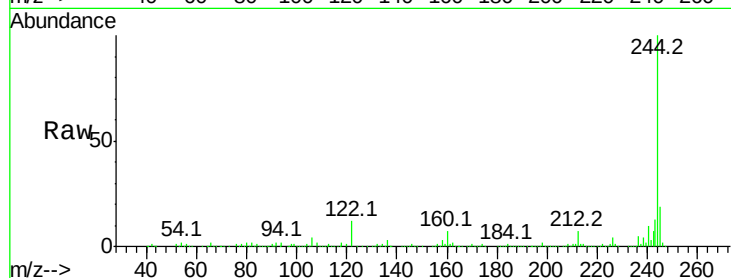
Tot Ion:244 Resp: 911528

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

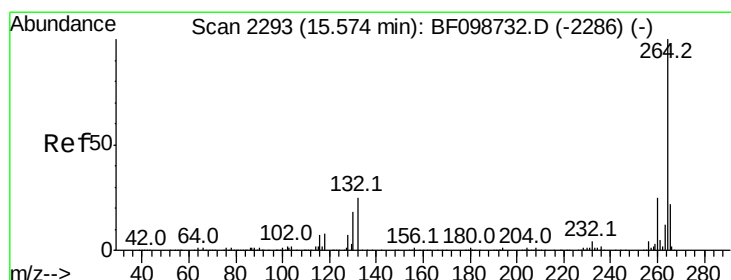
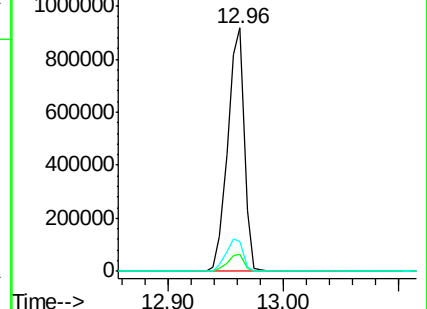
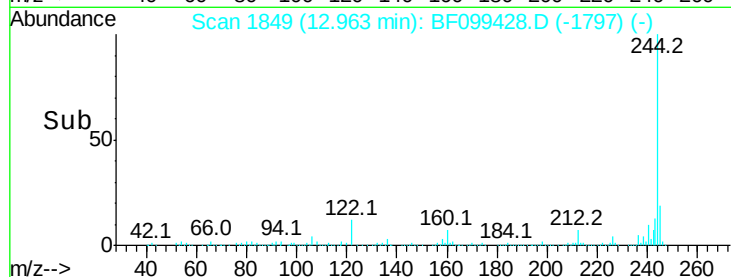
122 12.1 11.0 16.4



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: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

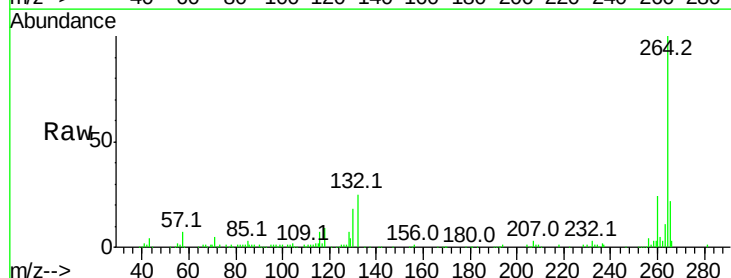
Tgt Ion:264 Resp: 174763

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.0 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

