

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098339.D
 Acq On : 8 Sep 2017 3:42
 Operator : SJ/JU
 Sample : I5131-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 090517-TIDO-F-D-S

Quant Time: Sep 08 04:42:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

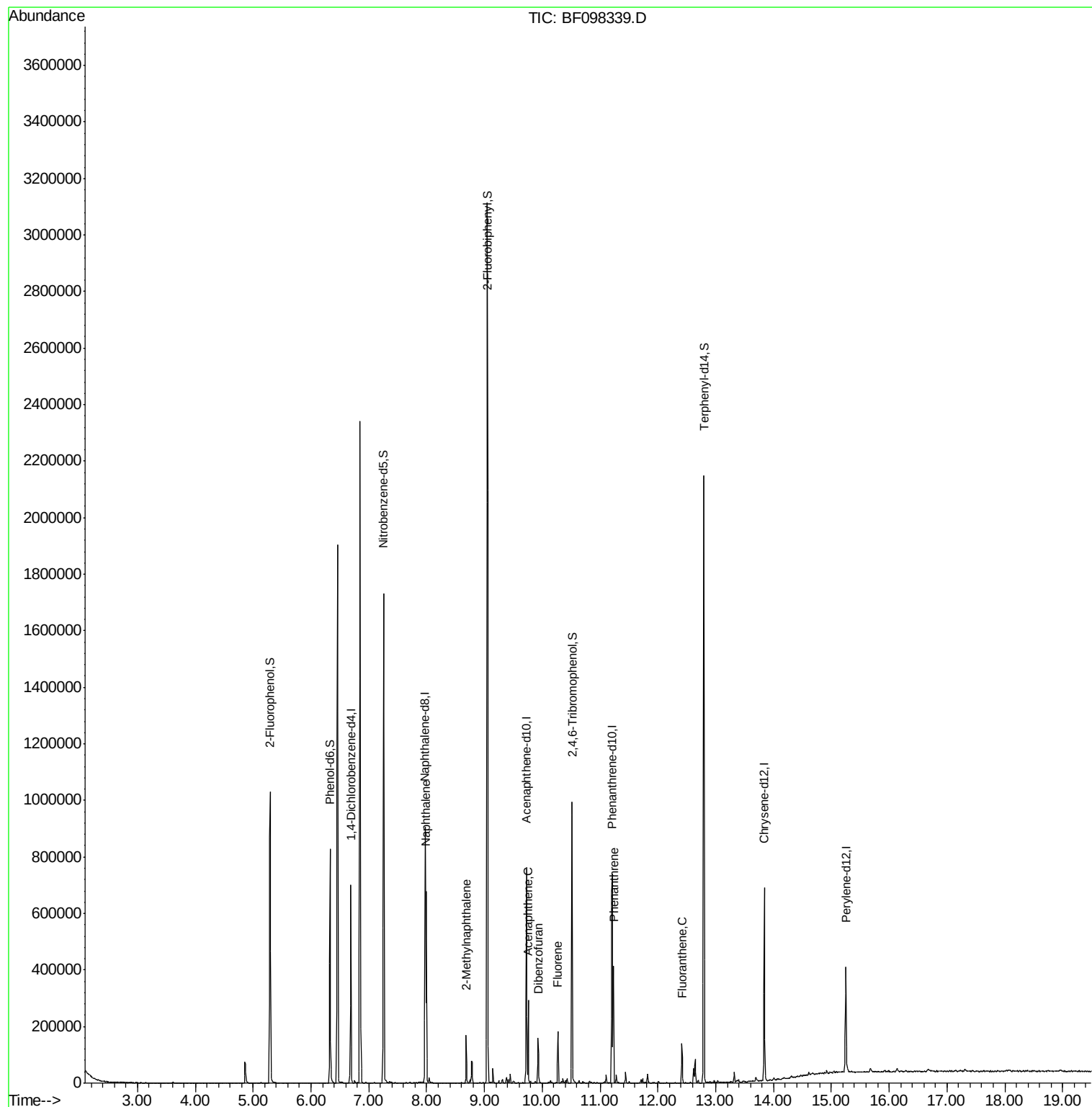
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	101317	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	385547	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	155436	20.00	ng	-0.02
63) Phenanthrene-d10	11.21	188	265467	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	226266	20.00	ng	-0.02
86) Perylene-d12	15.25	264	150527	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	302359	45.39	ng	-0.01
7) Phenol-d6	6.33	99	260513	28.79	ng	-0.02
23) Nitrobenzene-d5	7.26	82	683094	96.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	120634	89.45	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1015996	96.03	ng	-0.02
78) Terphenyl-d14	12.80	244	733589	67.61	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.99	128	272735	13.626	ng	99
37) 2-Methylnaphthalene	8.69	142	40723	3.319	ng	97
51) Acenaphthene	9.76	154	54534	5.258	ng	98
54) Dibenzofuran	9.93	168	58857	4.234	ng	97
57) Fluorene	10.27	166	49371	4.594	ng	99
70) Phenanthrene	11.23	178	149159	10.544	ng	97
74) Fluoranthene	12.42	202	51222	3.469	ng	97

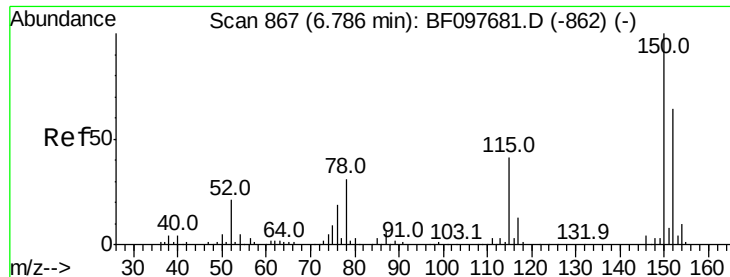
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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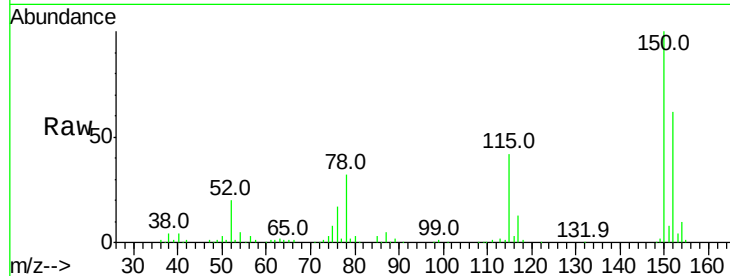


#1

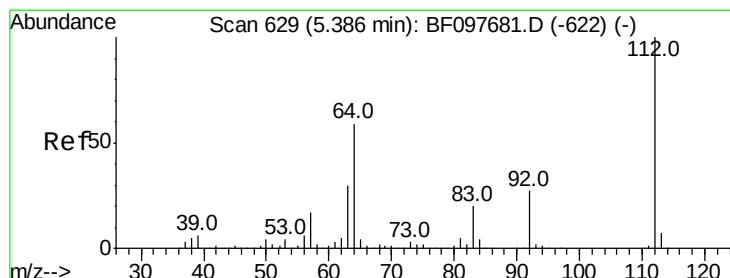
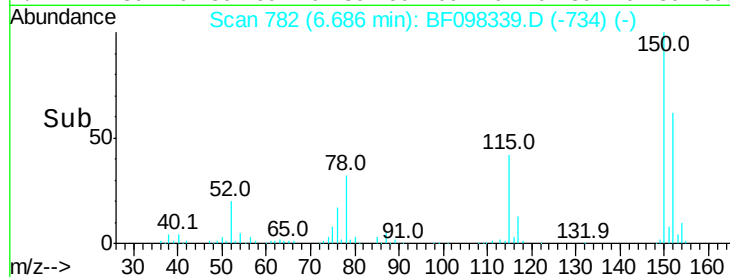
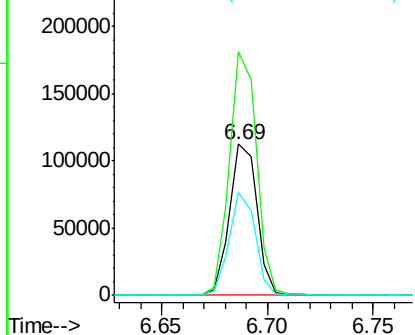
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098339.D
Acq: 8 Sep 2017 3:42

Instrument :
BNA_F
ClientSampleId :
090517-TIDO-F-D-S

Tot Ion:152 Resp: 101317
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 68.2 52.2 78.2



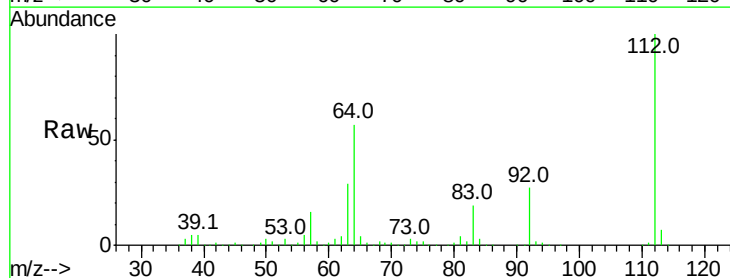
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



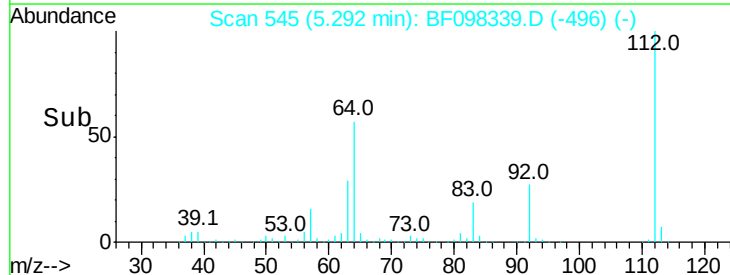
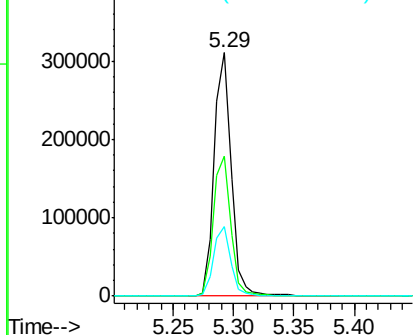
#5

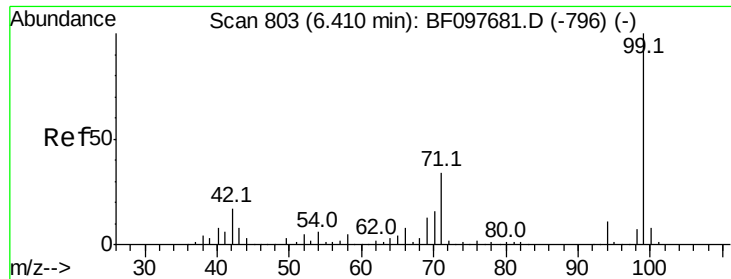
2-Fluorophenol
Concen: 45.393 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098339.D
Acq: 8 Sep 2017 3:42

Tgt Ion:112 Resp: 302359
Ion Ratio Lower Upper
112 100
64 57.2 46.0 69.0
63 28.6 23.4 35.0



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: 28.785 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Instrument :

BNA_F

ClientSampleId :

090517-TIDO-F-D-S

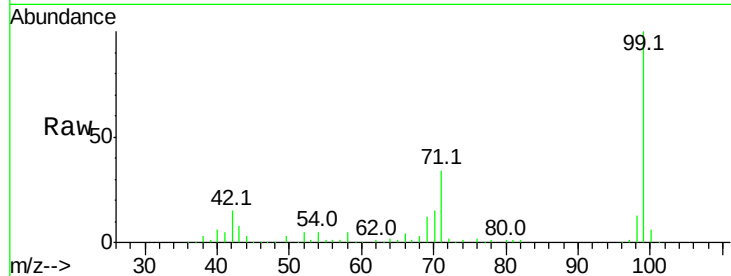
Tot Ion: 99 Resp: 260513

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

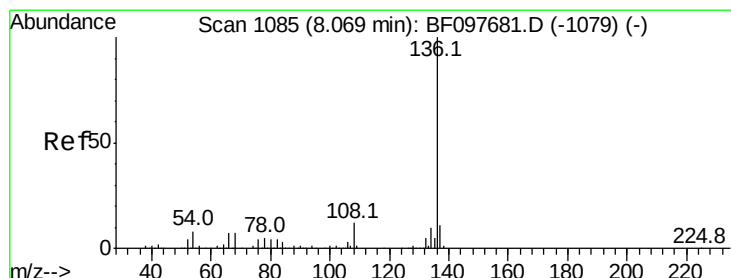
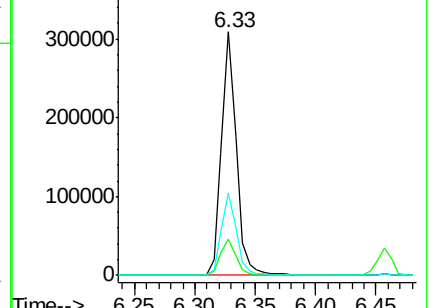
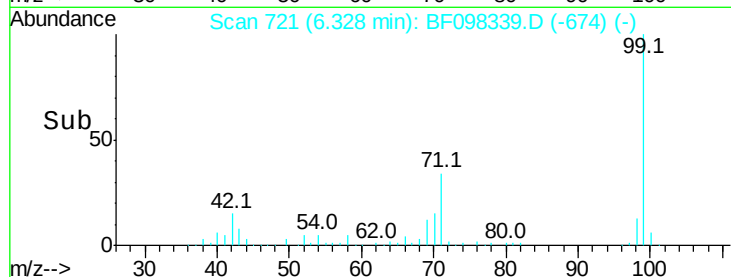
71 34.0 24.5 36.7



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Tgt Ion: 136 Resp: 385547

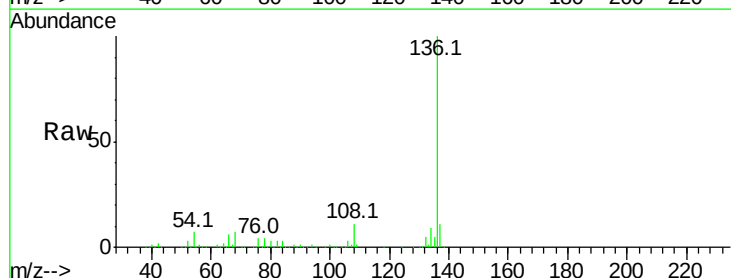
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.9 4.9 7.3

68 6.9 4.1 6.1#

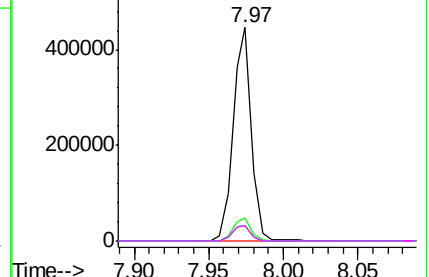
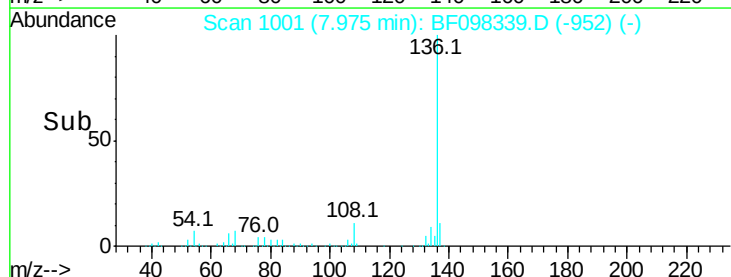


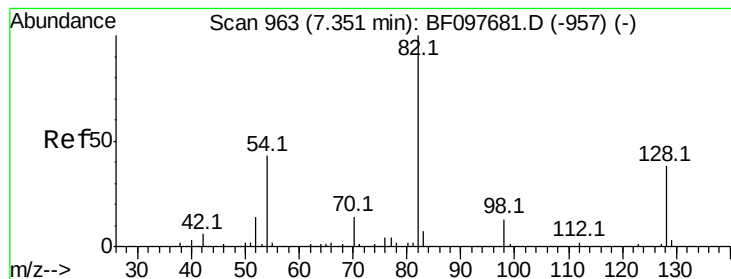
Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.250 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Instrument :

BNA_F

ClientSampleId :

090517-TIDO-F-D-S

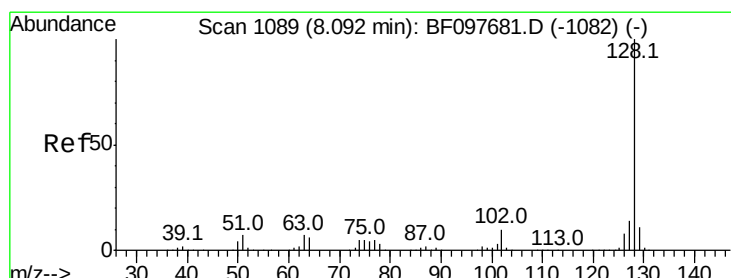
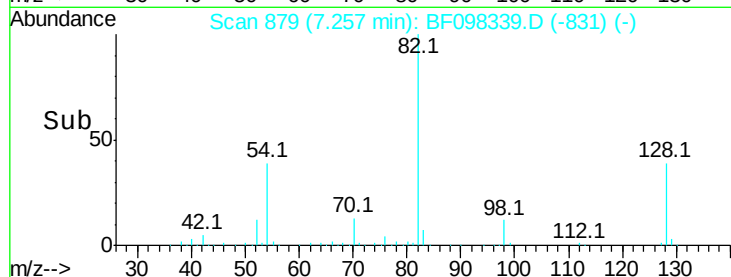
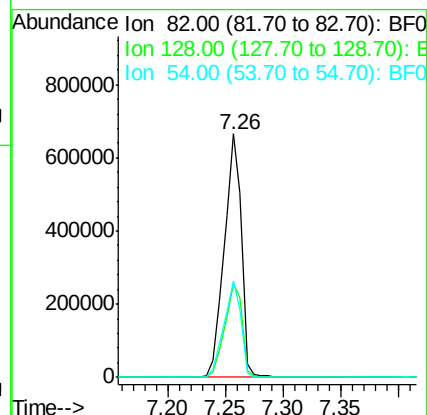
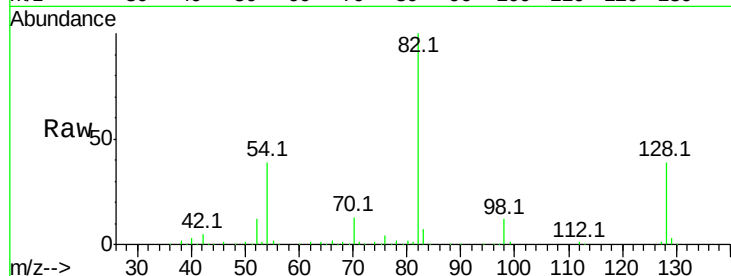
Tot Ion: 82 Resp: 683094

Ion Ratio Lower Upper

82 100

128 38.8 34.0 51.0

54 39.3 42.2 63.2#



#31

Naphthalene

Concen: 13.626 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

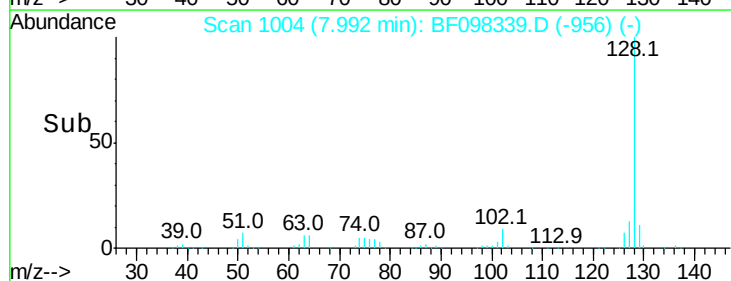
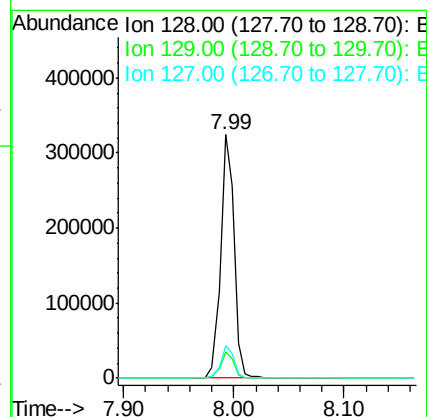
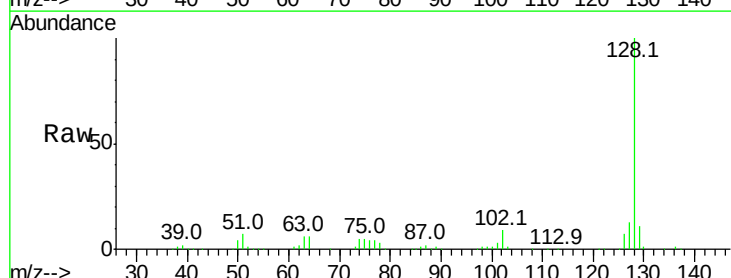
Tgt Ion: 128 Resp: 272735

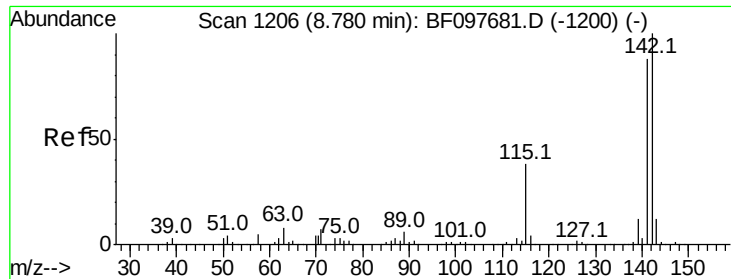
Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

127 13.2 10.8 16.2

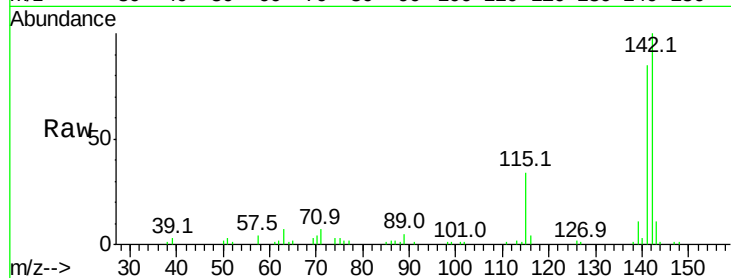




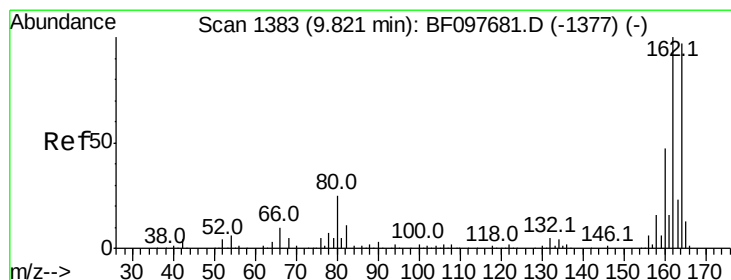
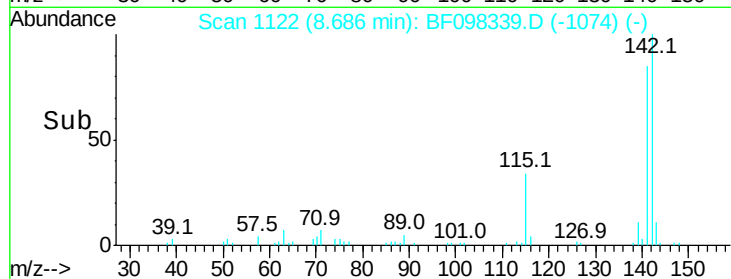
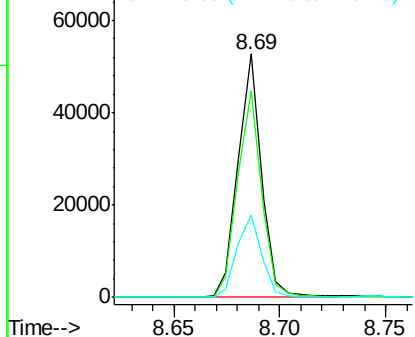
#37
2-Methylnaphthalene
Concen: 3.319 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF098339.D
Acq: 8 Sep 2017 3:42

Instrument :
BNA_F
ClientSampleId :
090517-TIDO-F-D-S

Tot Ion:142 Resp: 40723
Ion Ratio Lower Upper
142 100
141 85.0 71.3 106.9
115 33.8 27.1 40.7

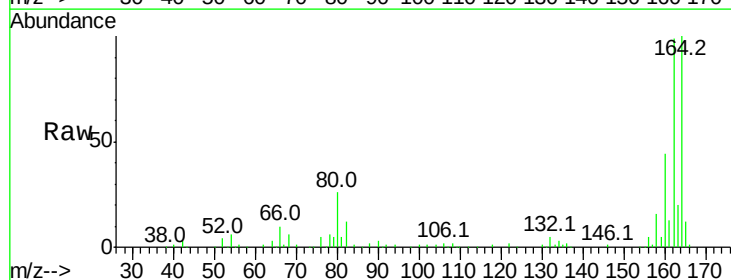


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

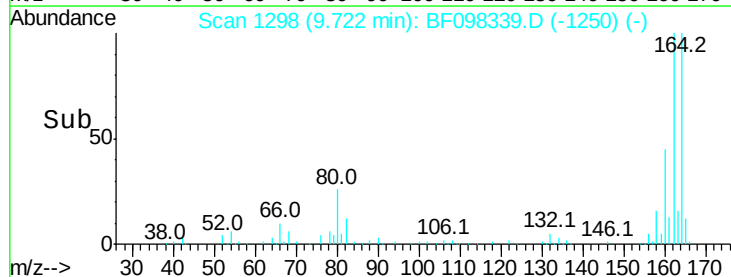
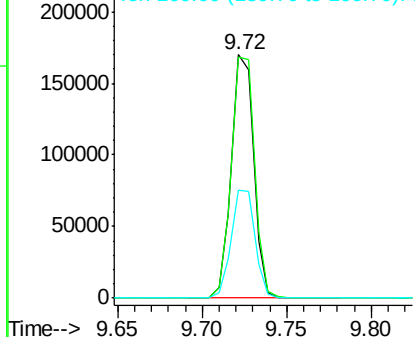


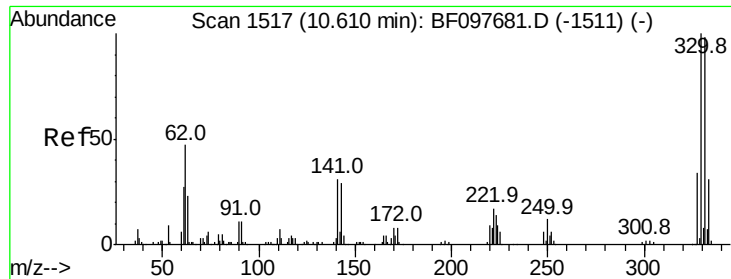
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF098339.D
Acq: 8 Sep 2017 3:42

Tgt Ion:164 Resp: 155436
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.3 36.2 54.2



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

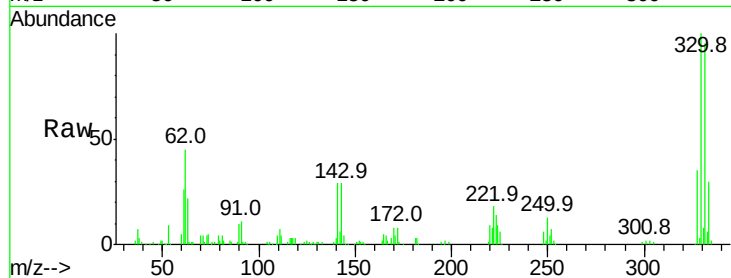




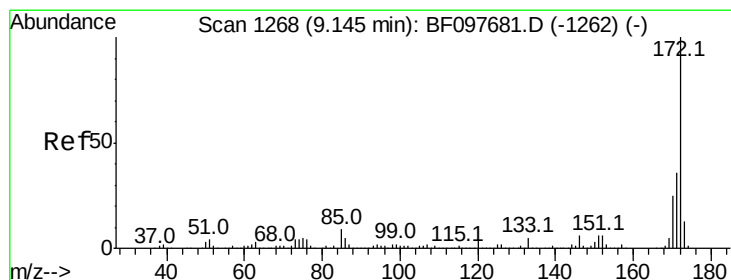
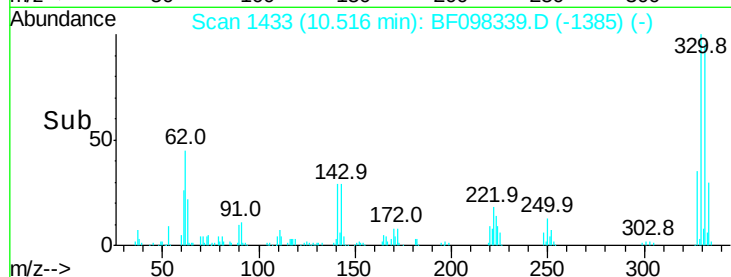
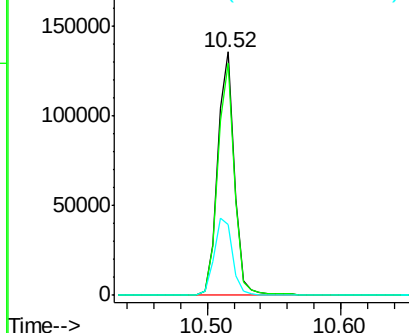
#41
 2,4,6-Tribromophenol
 Concen: 89.447 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098339.D
 Acq: 8 Sep 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	35.1	31.4	47.2

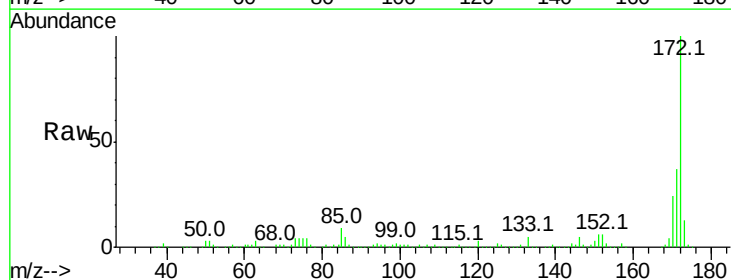


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

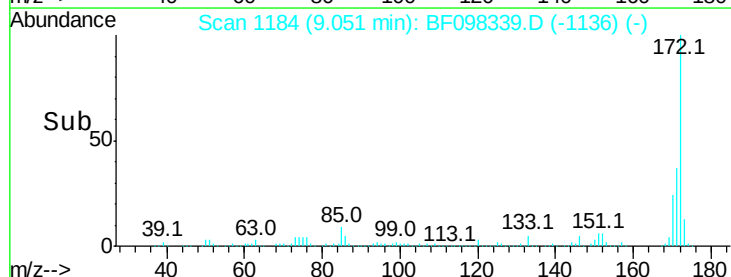
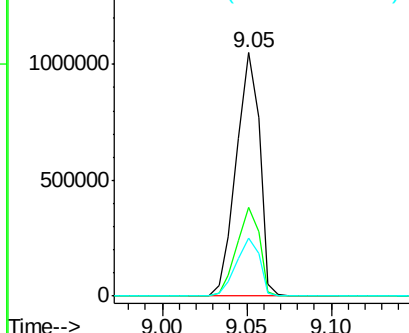


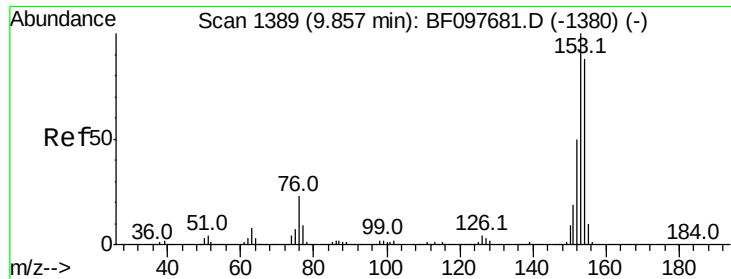
#44
 2-Fluorobiphenyl
 Concen: 96.034 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098339.D
 Acq: 8 Sep 2017 3:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.8	19.8	29.8



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





#51

Acenaphthene

Concen: 5.258 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Instrument :

BNA_F

ClientSampleId :

090517-TIDO-F-D-S

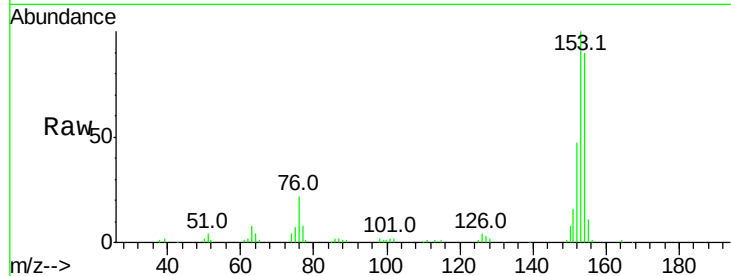
Tot Ion:154 Resp: 54534

Ion Ratio Lower Upper

154 100

153 111.3 90.5 135.7

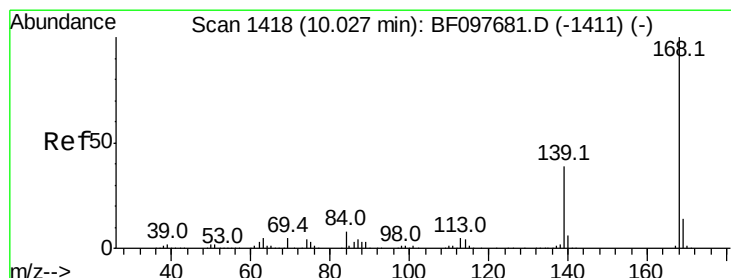
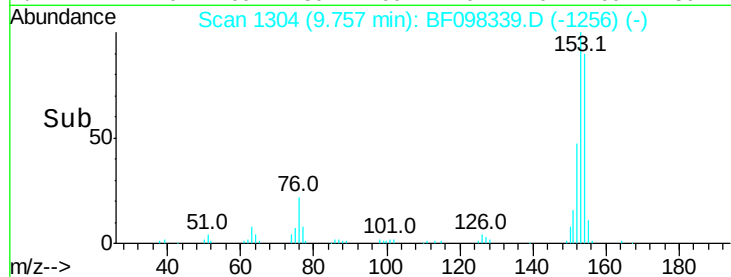
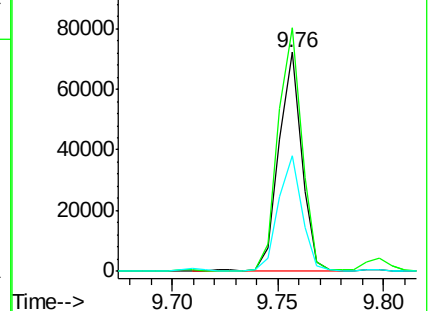
152 52.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.234 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

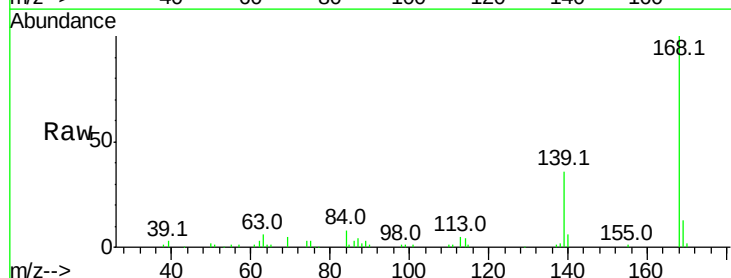
Tgt Ion:168 Resp: 58857

Ion Ratio Lower Upper

168 100

139 36.2 30.6 45.8

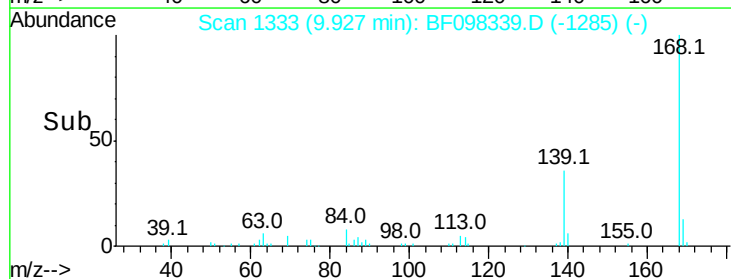
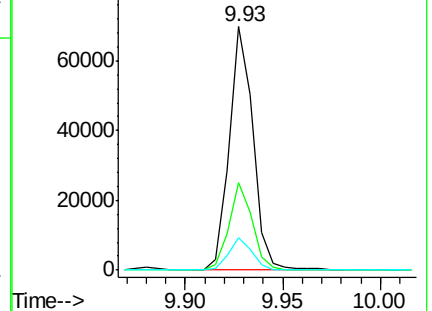
169 13.2 10.8 16.2

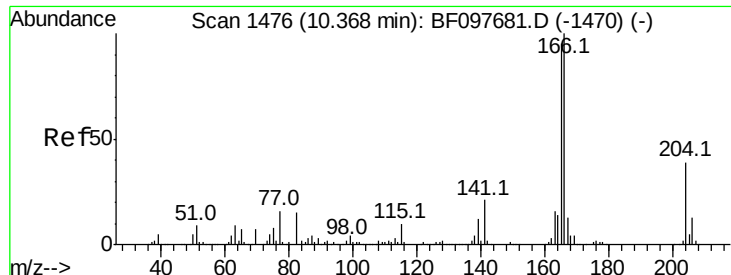


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

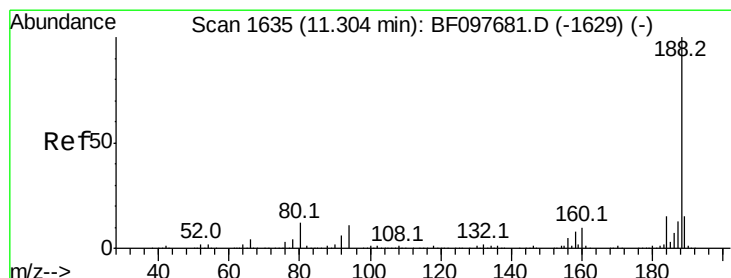
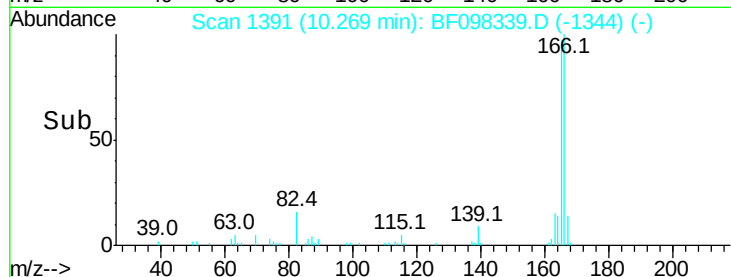
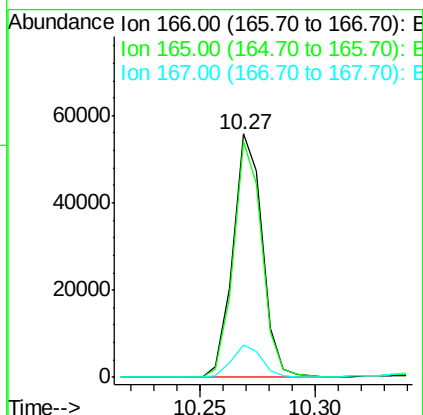
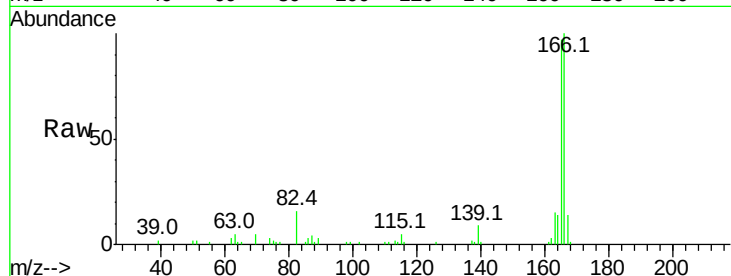




#57
Fluorene
 Concen: 4.594 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: BF098339.D
 Acq: 8 Sep 2017 3:42

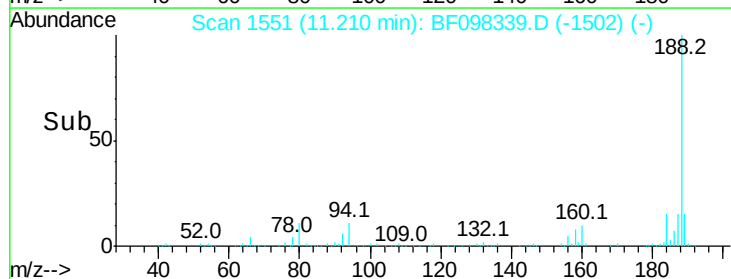
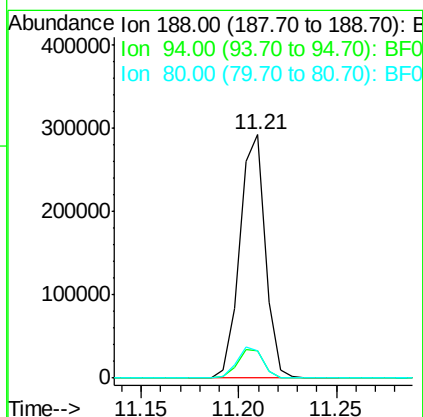
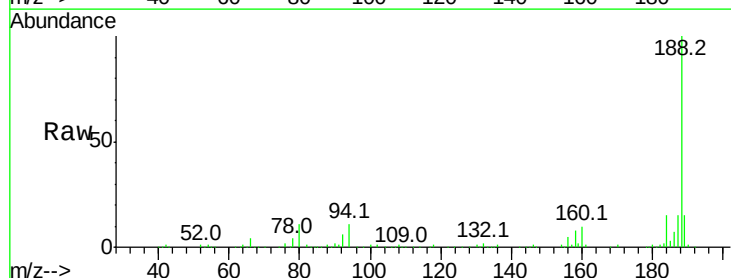
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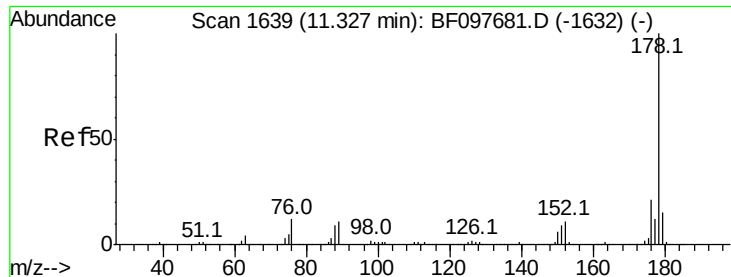
Tot Ion:166 Resp: 49371
 Ion Ratio Lower Upper
 166 100
 165 96.9 78.8 118.2
 167 13.5 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF098339.D
 Acq: 8 Sep 2017 3:42

Tgt Ion:188 Resp: 265467
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.2 10.2 15.2





#70

Phenanthrene

Concen: 10.544 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Instrument :

BNA_F

ClientSampleId :

090517-TIDO-F-D-S

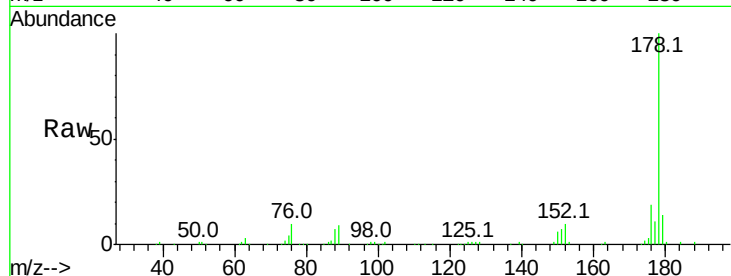
Tot Ion:178 Resp: 149159

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

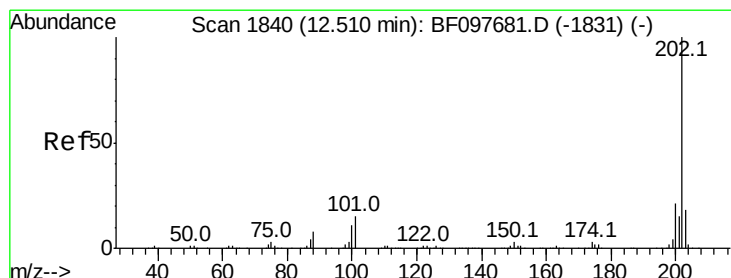
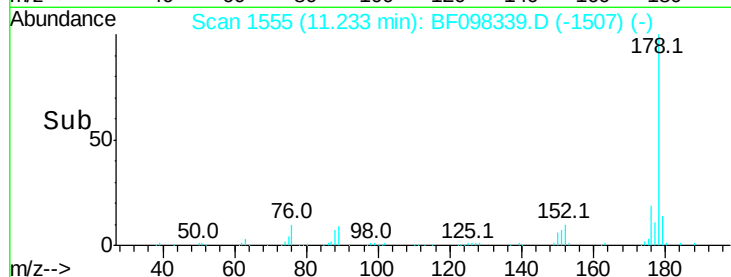
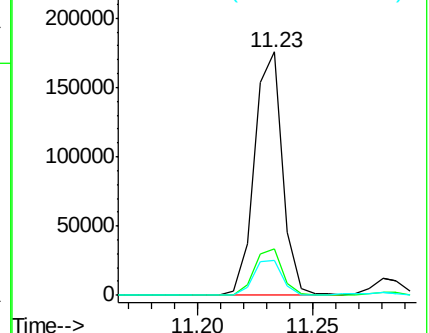
179 14.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.469 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

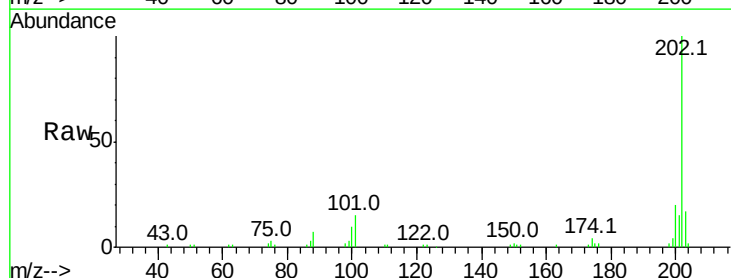
Tgt Ion:202 Resp: 51222

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.2

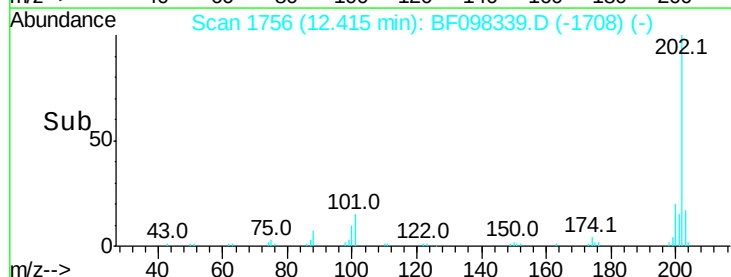
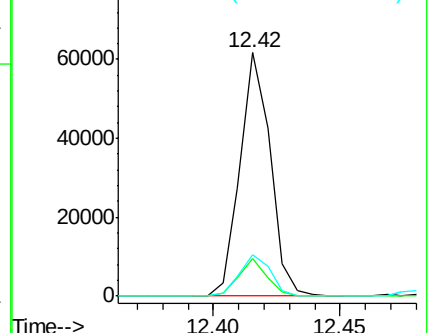
203 17.2 0.0 38.1

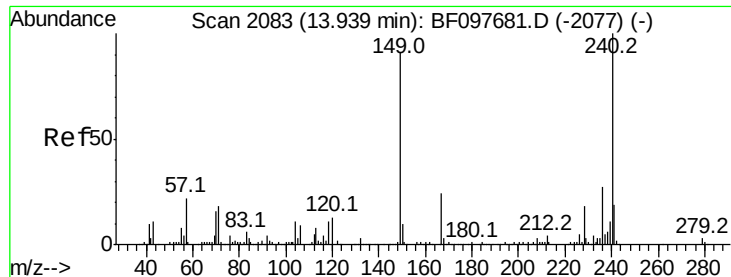


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

Instrument :

BNA_F

ClientSampleId :

090517-TIDO-F-D-S

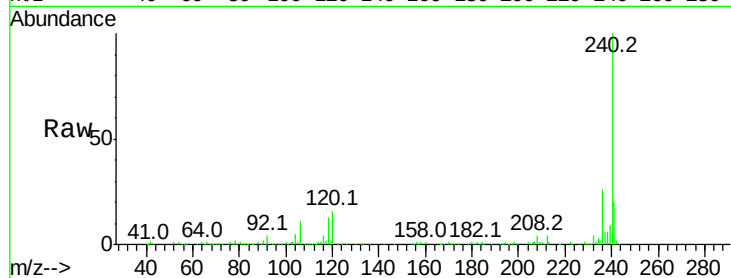
Tot Ion:240 Resp: 226266

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

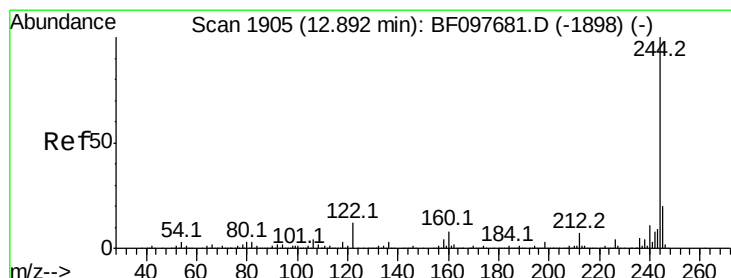
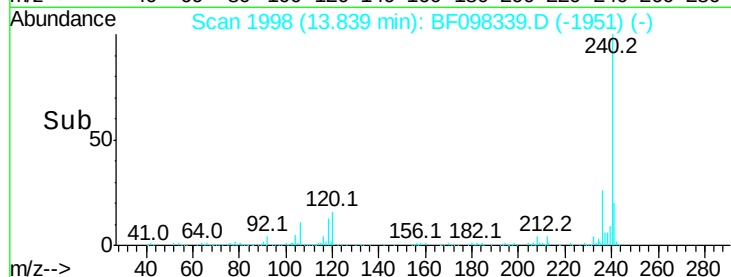
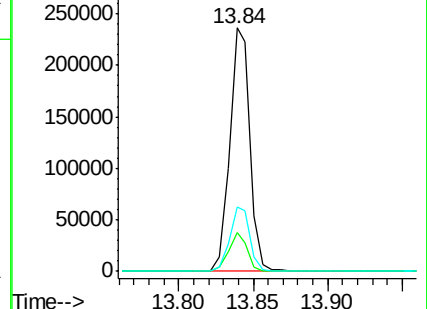
236 26.3 20.5 30.7



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: 67.610 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF098339.D

Acq: 8 Sep 2017 3:42

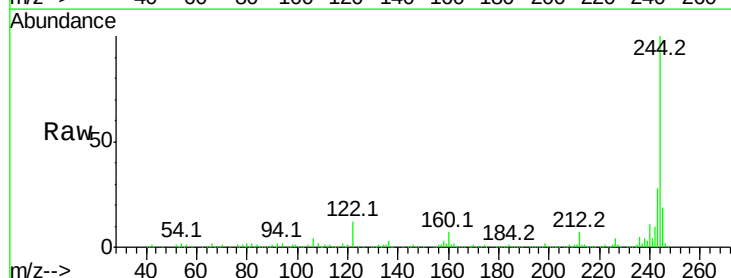
Tgt Ion:244 Resp: 733589

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

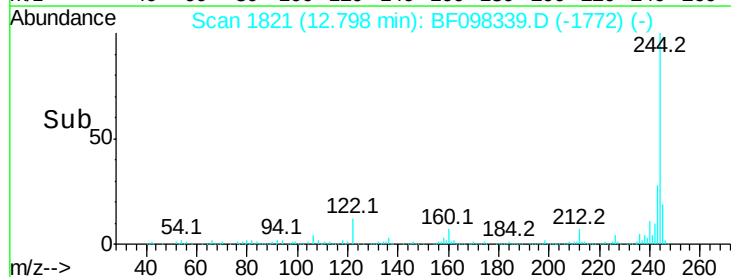
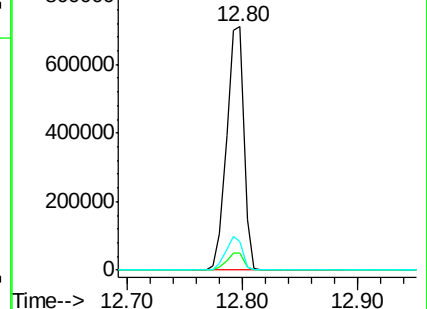
122 11.9 10.3 15.5

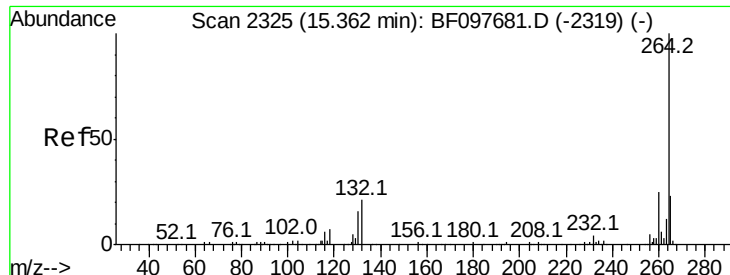


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

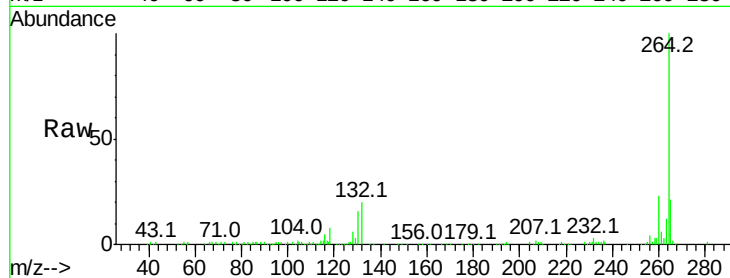




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF098339.D
Acq: 8 Sep 2017 3:42

Instrument :
BNA_F
ClientSampleId :
090517-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.9	17.2	25.8



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

