

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093572.D
 Acq On : 11 Mar 2017 17:31
 Operator : SJ/MA
 Sample : I2233-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Quant Time: Mar 13 16:14:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	184315	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	757190	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	351191	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	633219	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	456590	20.00	ng	-0.01
86) Perylene-d12	15.28	264	308805	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1622669	146.52	ng	0.01
7) Phenol-d6	6.39	99	2262208	161.99	ng	0.01
23) Nitrobenzene-d5	7.29	82	1254443	91.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	312105	136.41	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	2036121	107.84	ng	0.00
78) Terphenyl-d14	12.82	244	1496982	85.24	ng	0.00

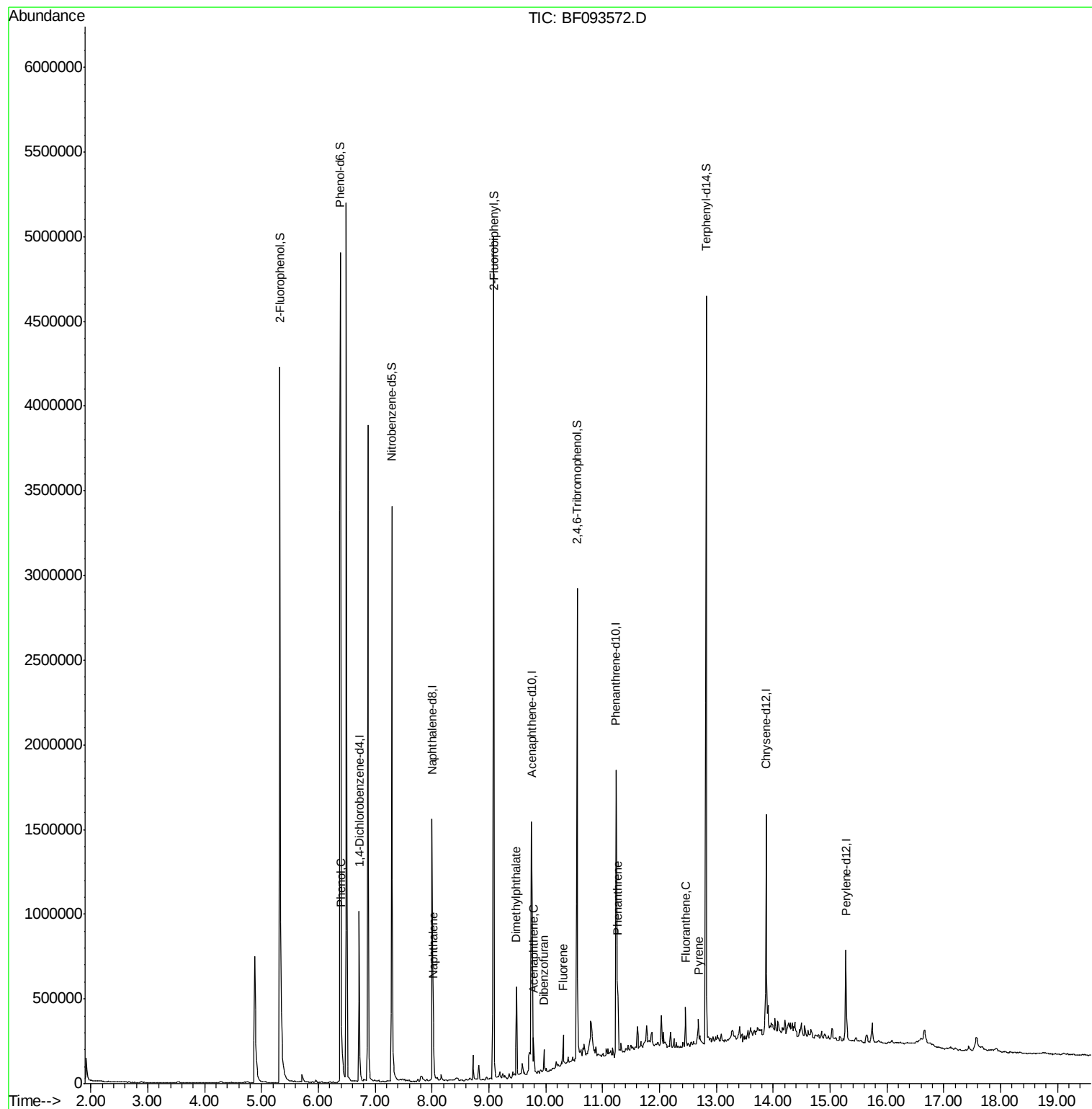
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	127813	7.47	ng	# 75
31) Naphthalene	8.02	128	170375	4.49	ng	99
49) Dimethylphthalate	9.49	163	228213	9.80	ng	99
51) Acenaphthene	9.78	154	49274	2.58	ng	97
54) Dibenzofuran	9.97	168	53079	2.22	ng	95
57) Fluorene	10.31	166	52850	2.61	ng	99
70) Phenanthrene	11.26	178	216551	5.99	ng	98
74) Fluoranthene	12.46	202	114888	3.29	ng	94
77) Pyrene	12.69	202	80691	2.43	ng	97

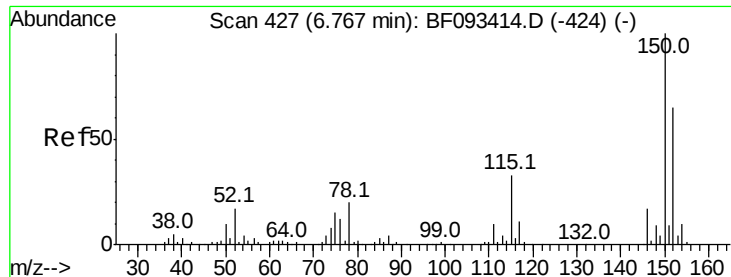
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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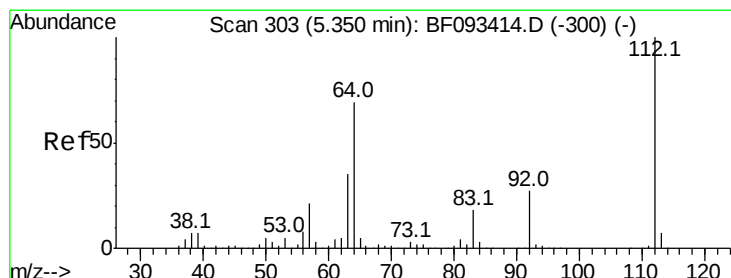
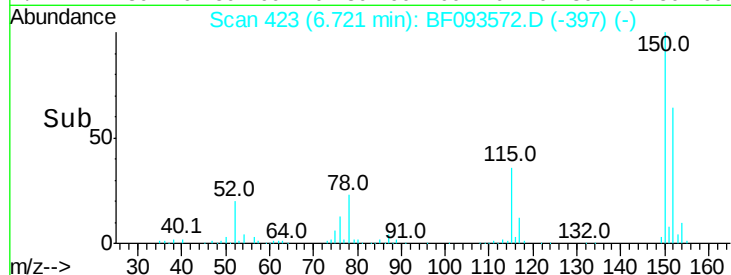
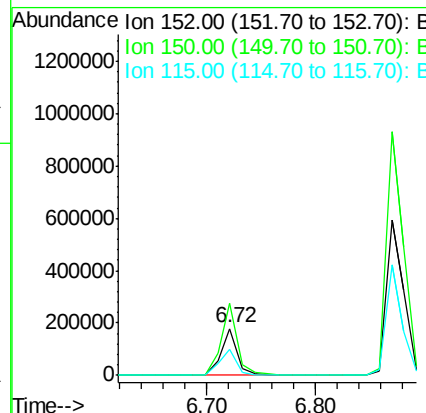
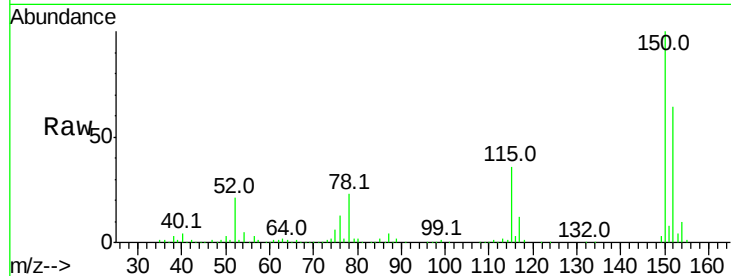


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

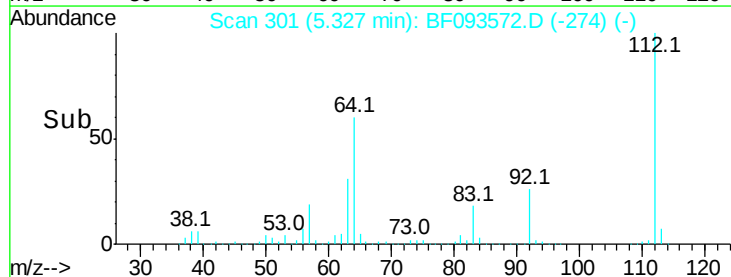
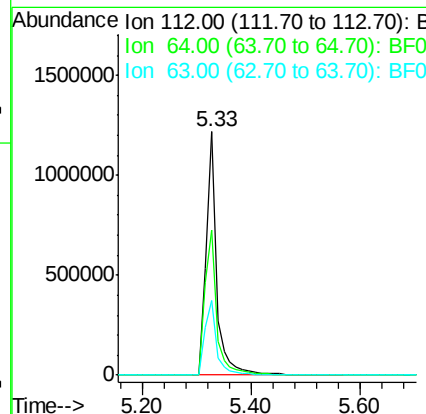
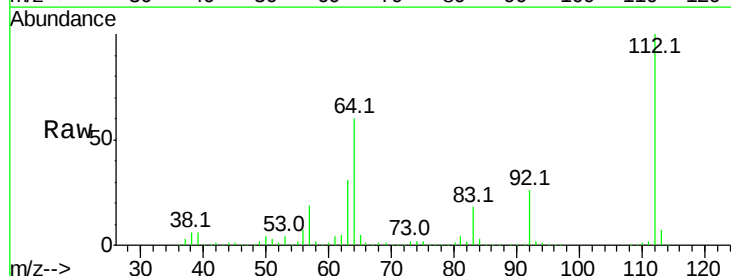
Tot Ion:152 Resp: 184315
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 56.6 46.0 69.0

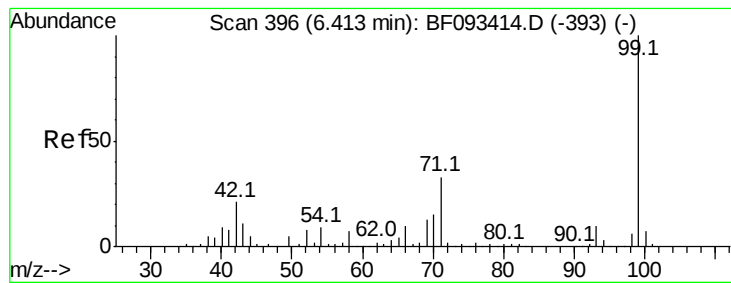


#5

2-Fluorophenol
Concen: 146.52 ng
RT: 5.33 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion:112 Resp: 1622669
Ion Ratio Lower Upper
112 100
64 59.6 46.1 69.1
63 30.9 23.8 35.6





#7

Phenol-d6

Concen: 161.99 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

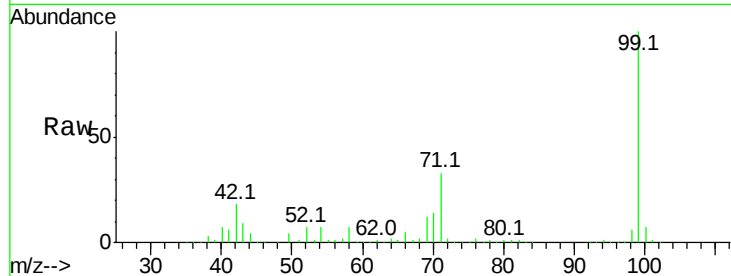
Tot Ion: 99 Resp: 2262208

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

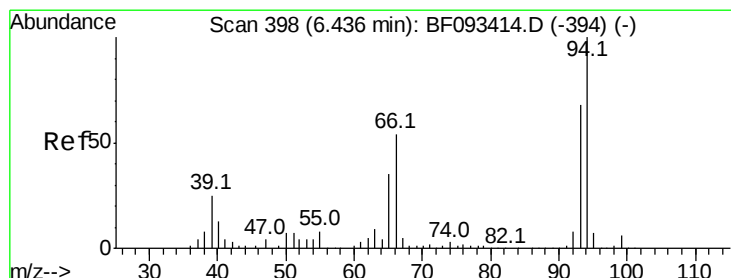
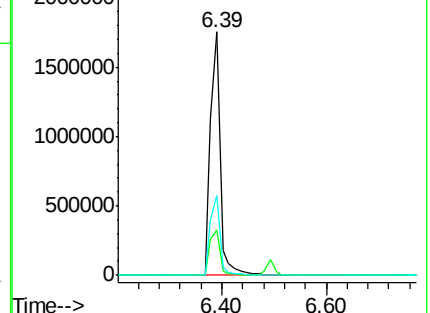
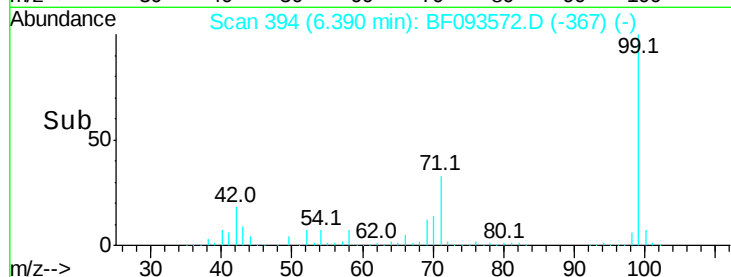
71 32.7 27.5 41.3



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



#10

Phenol

Concen: 7.47 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

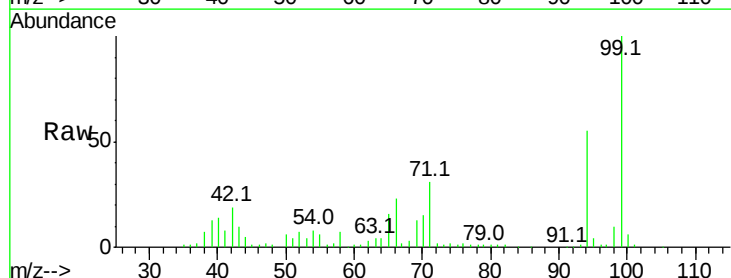
Tgt Ion: 94 Resp: 127813

Ion Ratio Lower Upper

94 100

65 28.4 21.4 61.4

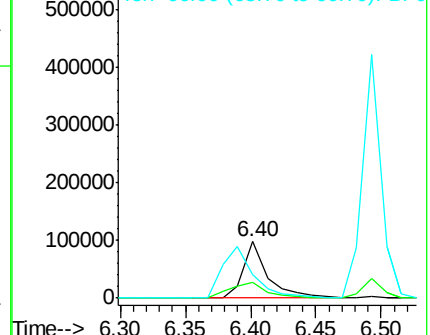
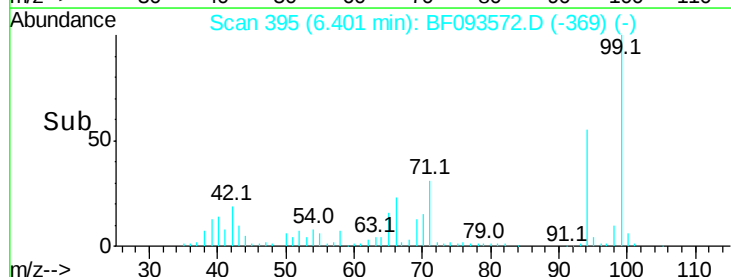
66 41.9 44.0 84.0#

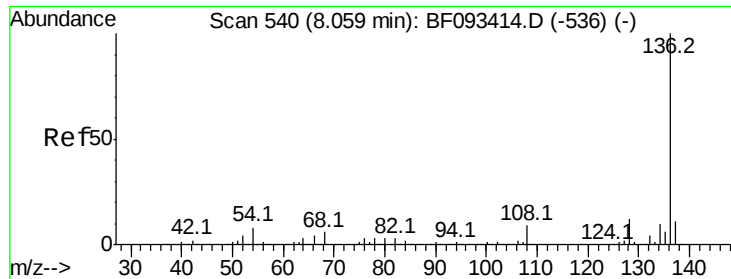


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

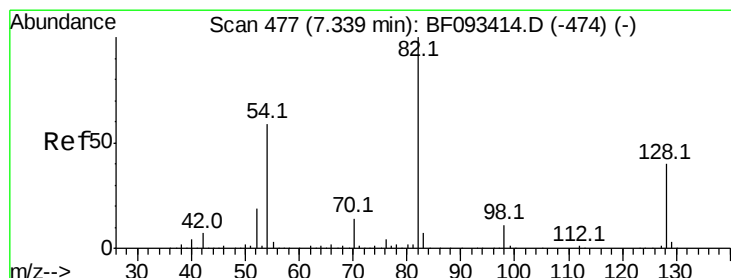
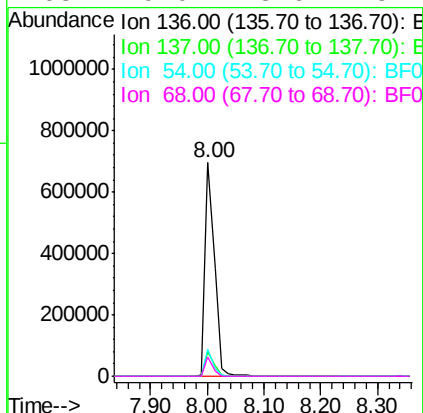
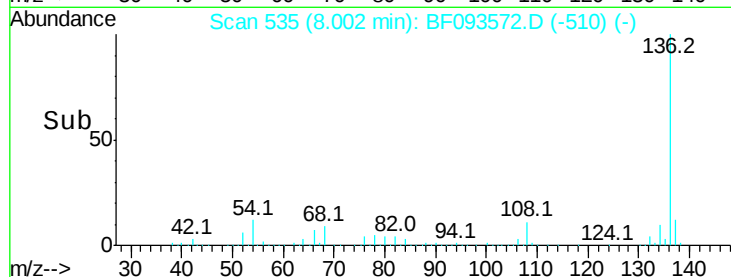
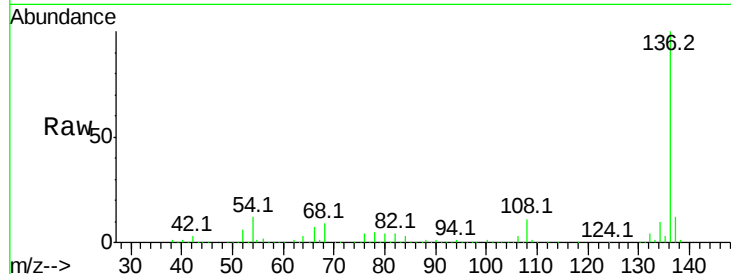




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

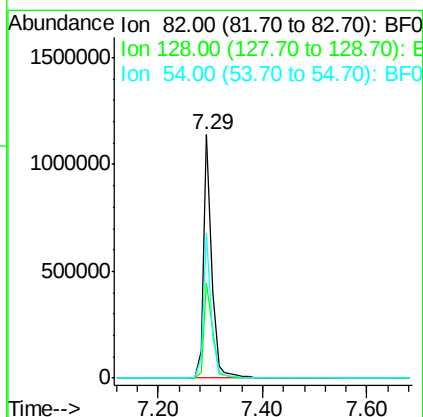
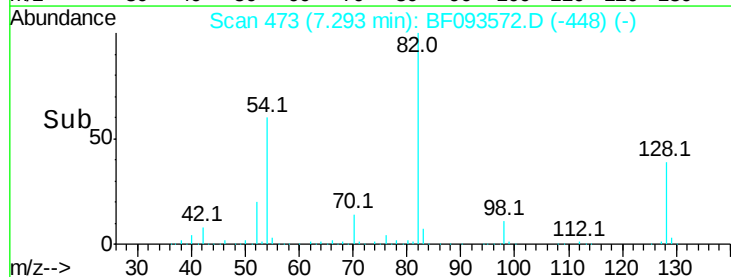
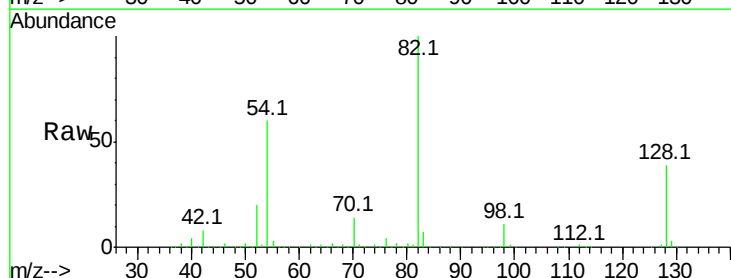
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

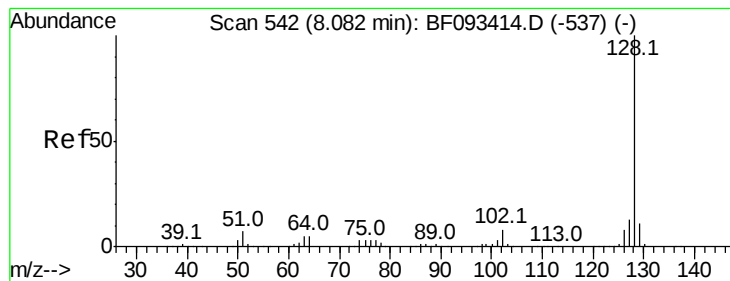
Tot Ion:	136	Resp:	757190
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	12.5	4.5	6.7#
68	9.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 91.92 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion:	82	Resp:	1254443
Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.6	52.0
54	59.7	39.5	59.3#





#31

Naphthalene

Concen: 4.49 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

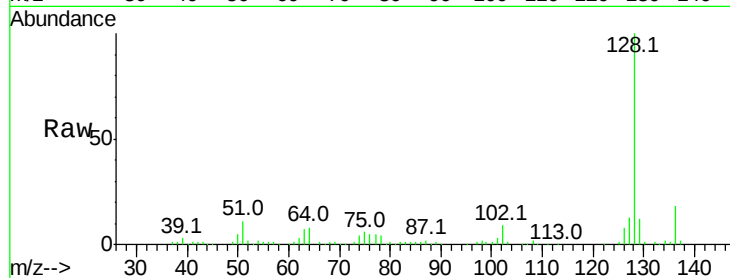
Tot Ion:128 Resp: 170375

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

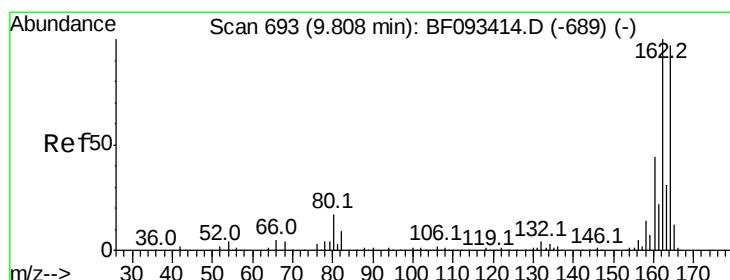
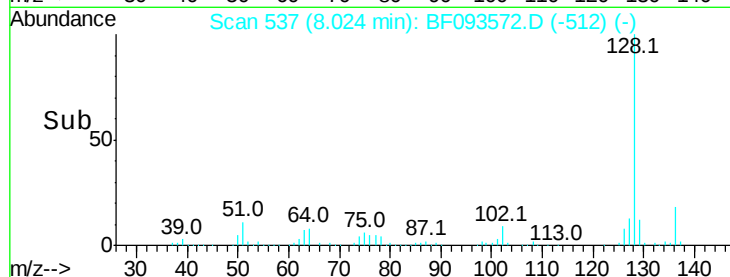
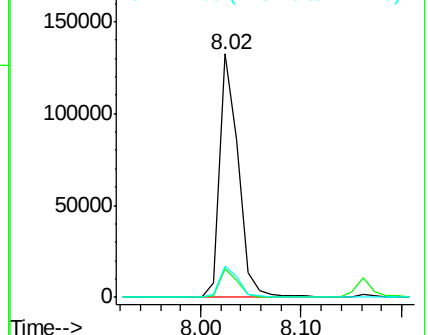
127 12.8 10.8 16.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

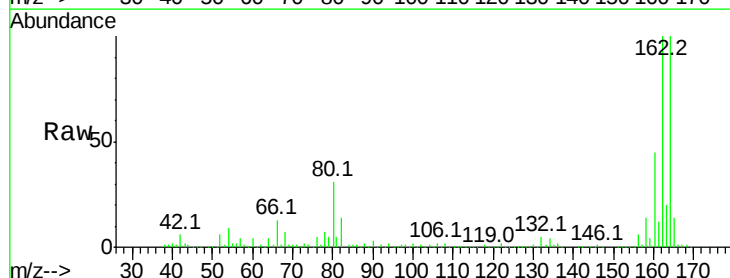
Tgt Ion:164 Resp: 351191

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

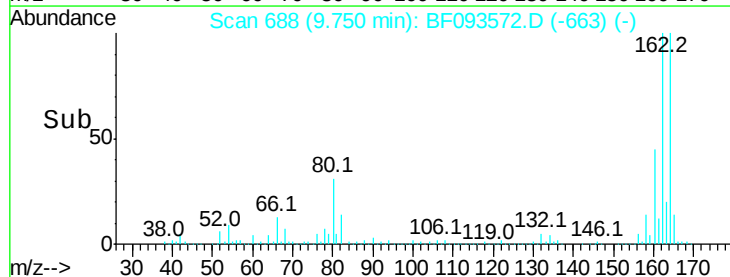
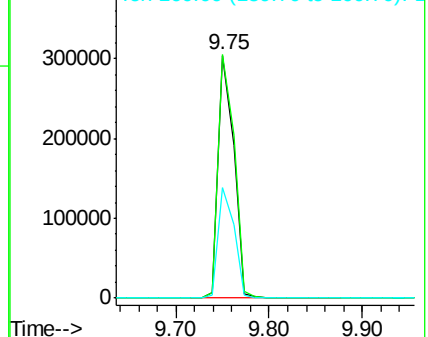
160 45.4 36.9 55.3

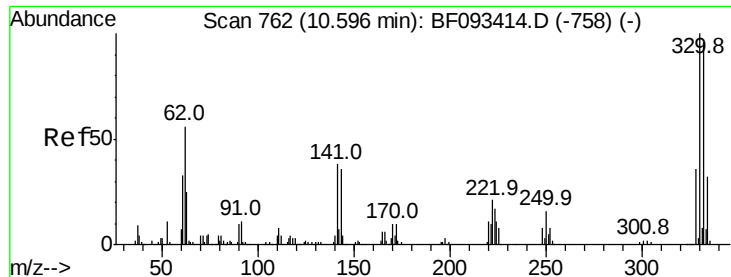


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

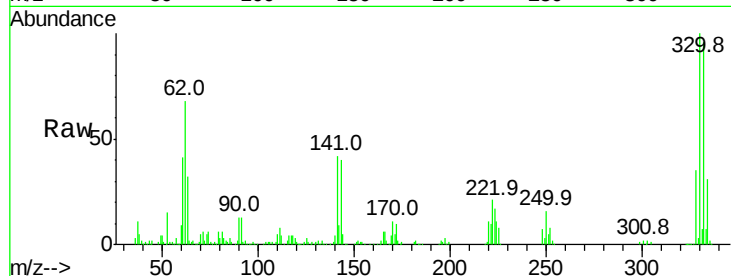




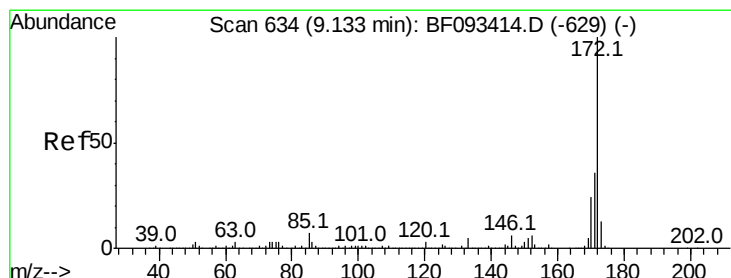
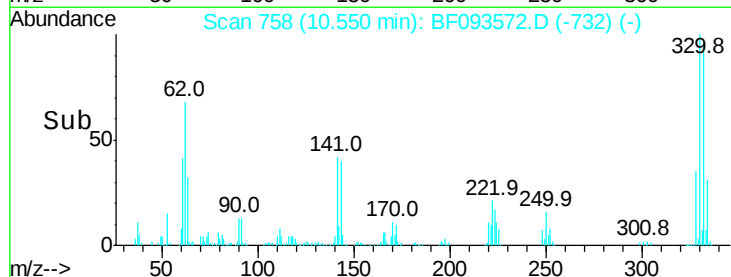
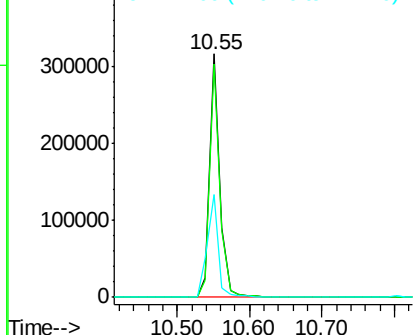
#41
 2,4,6-Tribromophenol
 Concen: 136.41 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Tot Ion:330 Resp: 312105
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 45.1 34.1 51.1

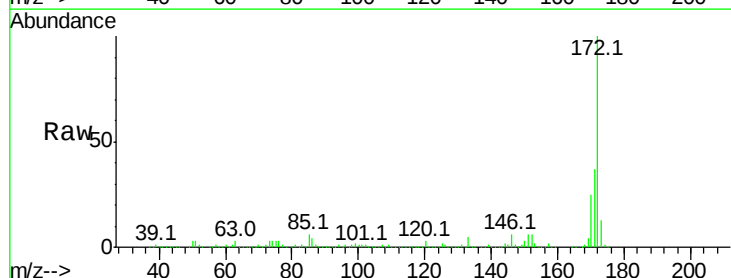


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

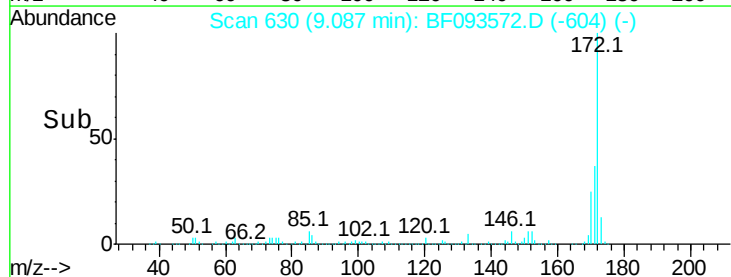
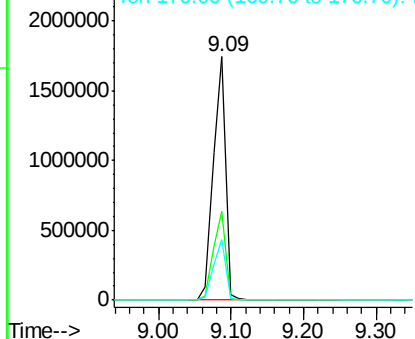


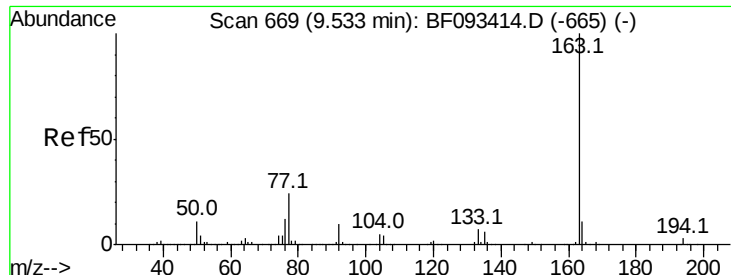
#44
 2-Fluorobiphenyl
 Concen: 107.84 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

Tgt Ion:172 Resp: 2036121
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.8 20.2 30.4



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

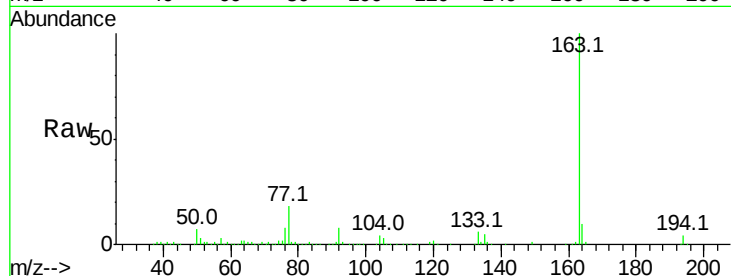




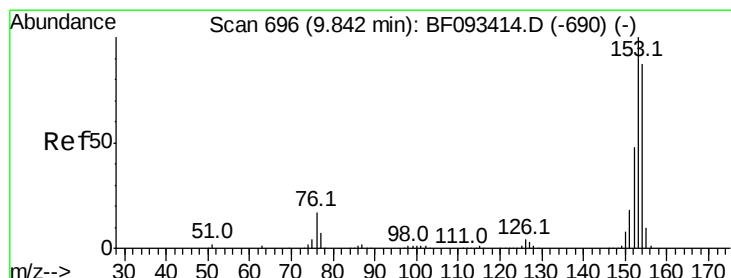
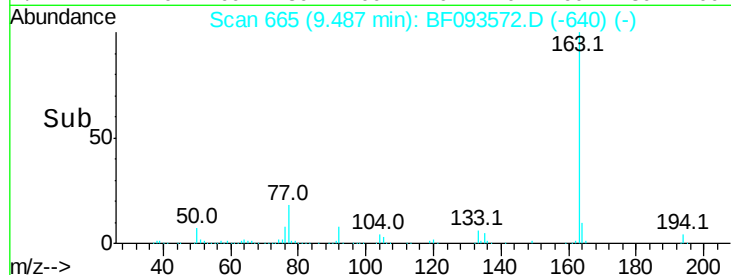
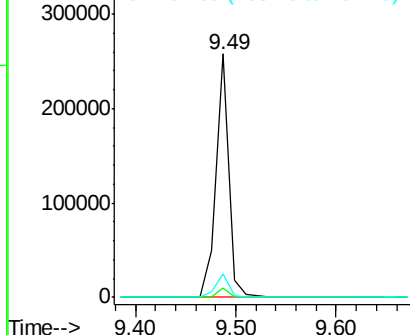
#49
Dimethylphthalate
Concen: 9.80 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tot Ion:163 Resp: 228213
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.7 8.0 12.0

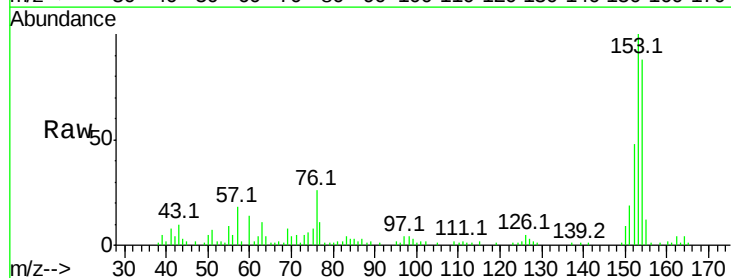


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

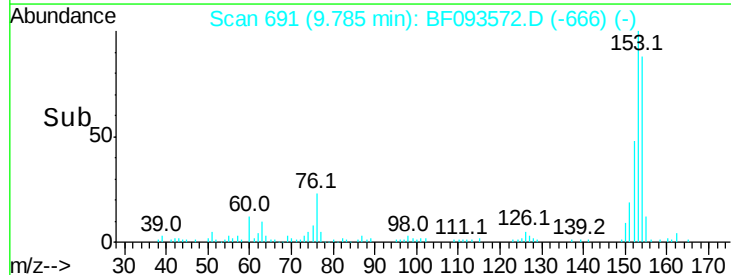
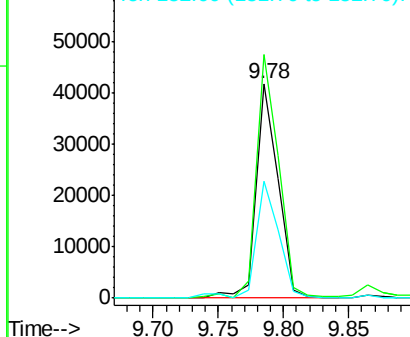


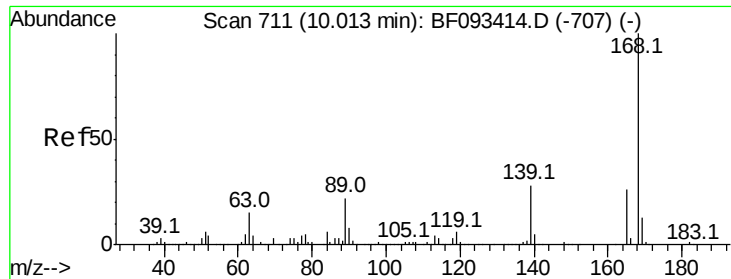
#51
Acenaphthene
Concen: 2.58 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion:154 Resp: 49274
Ion Ratio Lower Upper
154 100
153 113.6 88.6 133.0
152 54.5 41.6 62.4



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

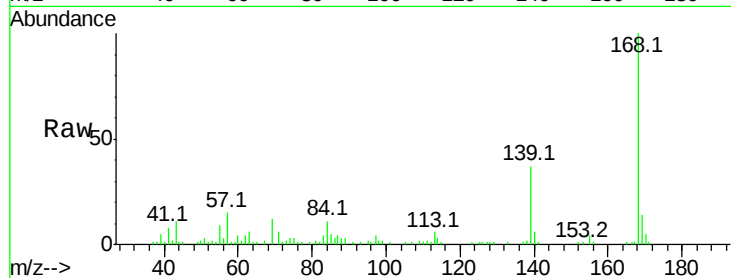




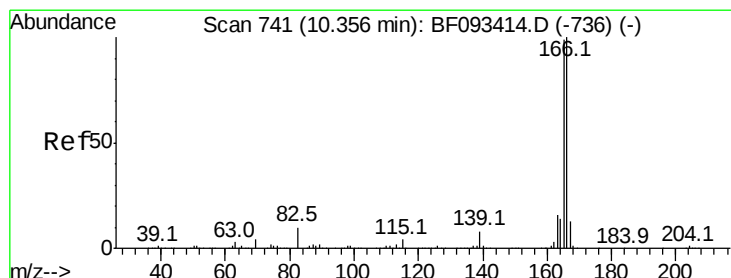
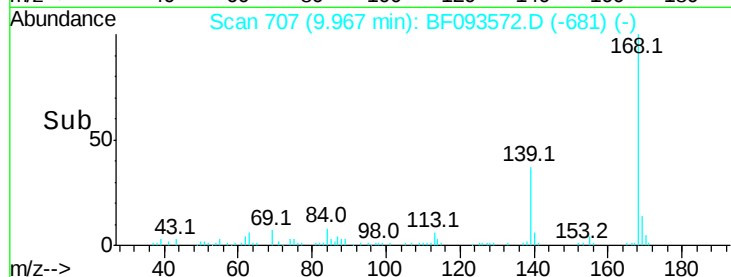
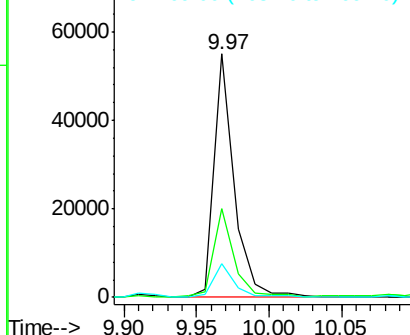
#54
Dibenzenofuran
Concen: 2.22 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tot Ion:168 Resp: 53079
Ion Ratio Lower Upper
168 100
139 36.7 32.6 49.0
169 13.9 11.3 16.9

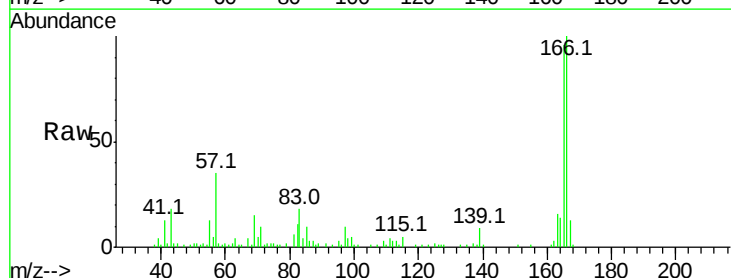


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

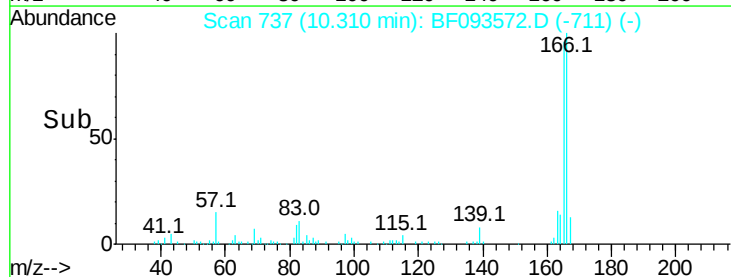
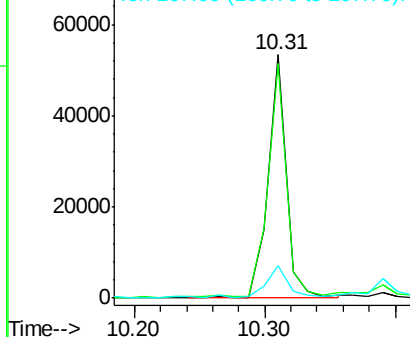


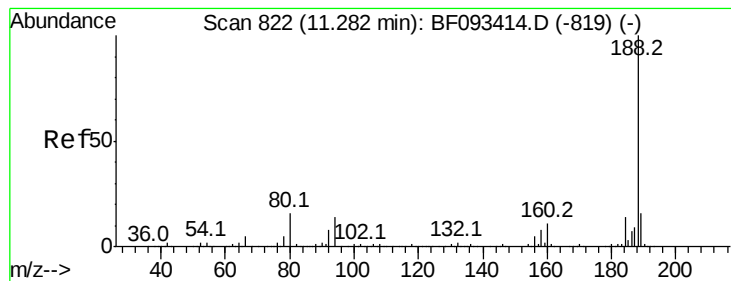
#57
Fluorene
Concen: 2.61 ng
RT: 10.31 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion:166 Resp: 52850
Ion Ratio Lower Upper
166 100
165 96.1 77.8 116.8
167 13.2 10.8 16.2



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: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

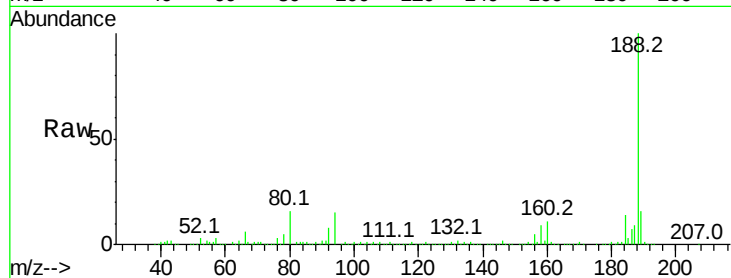
Tot Ion:188 Resp: 633219

Ion Ratio Lower Upper

188 100

94 14.6 10.0 15.0

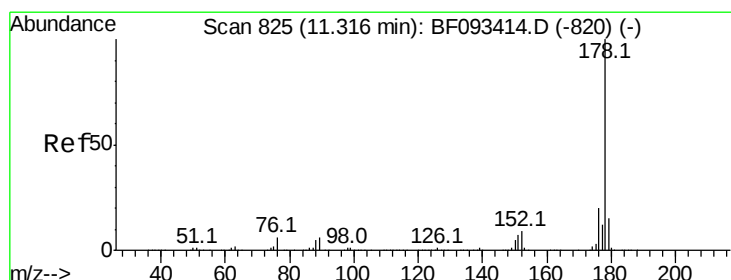
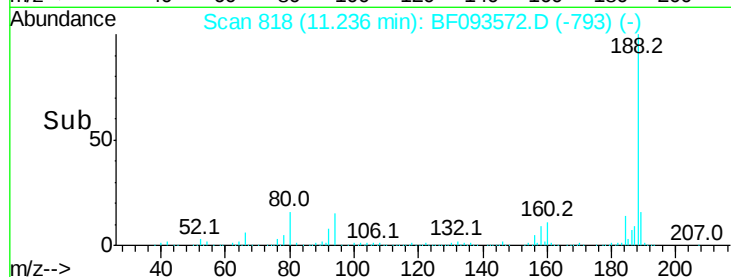
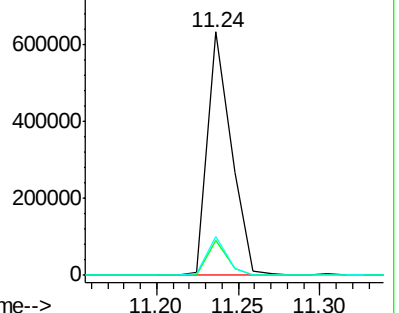
80 15.9 11.2 16.8



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



#70

Phenanthrene

Concen: 5.99 ng

RT: 11.26 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

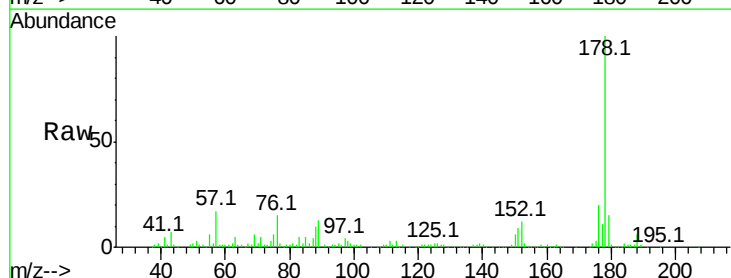
Tgt Ion:178 Resp: 216551

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

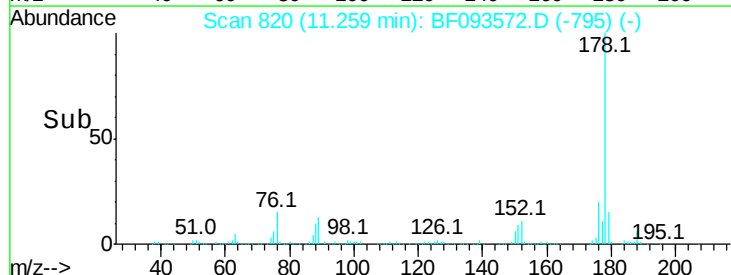
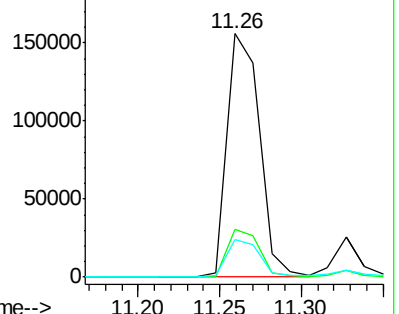
179 15.2 12.8 19.2

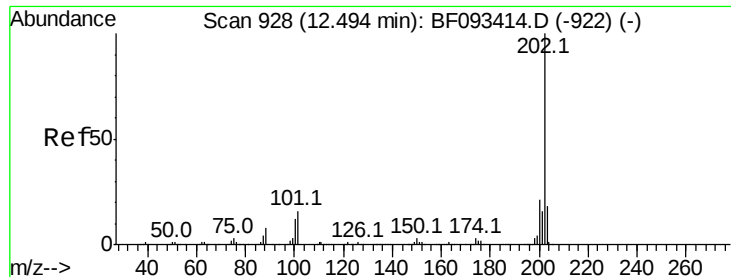


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

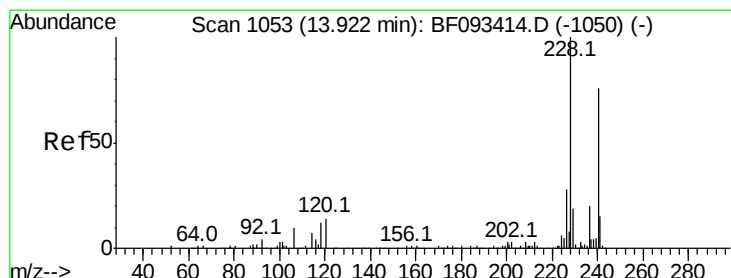
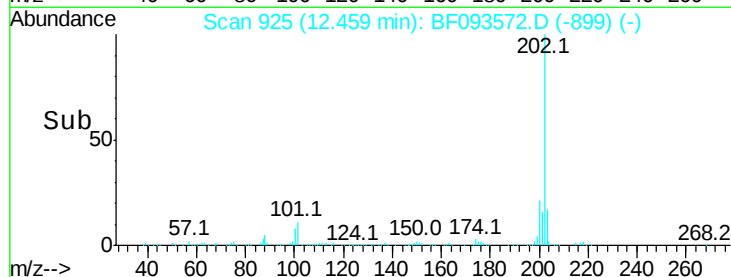
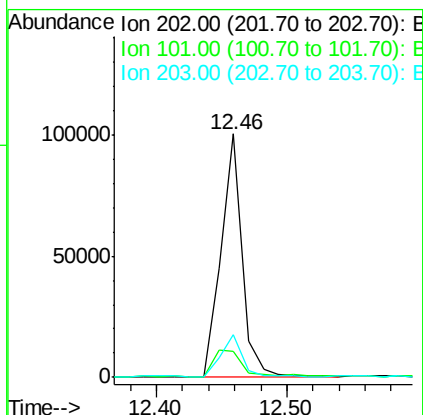
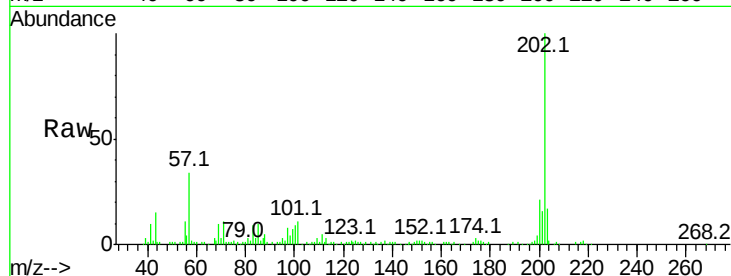




#74
Fluoranthene
Concen: 3.29 ng
RT: 12.46 min Scan# 925
Delta R.T. -0.00 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

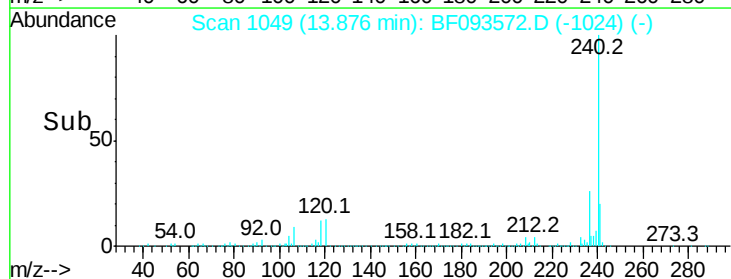
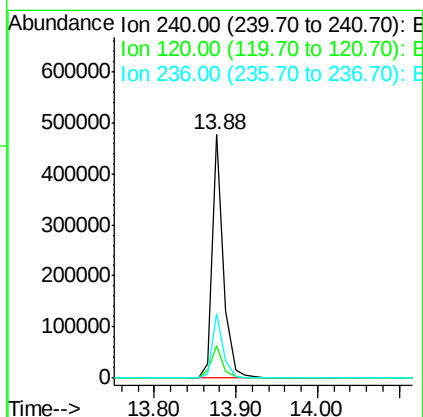
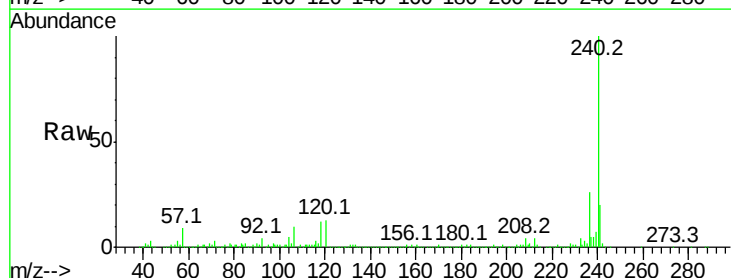
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

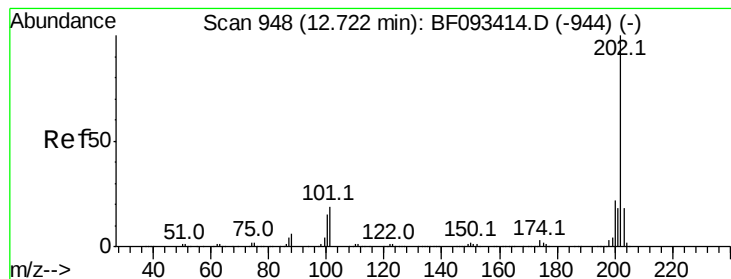
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.6
203	17.3	0.0	38.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	12.9	19.3
236	26.3	20.9	31.3





#77

Pvrene

Concen: 2.43 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

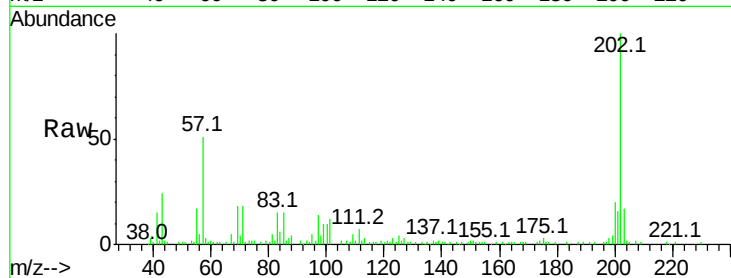
Tot Ion:202 Resp: 80691

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

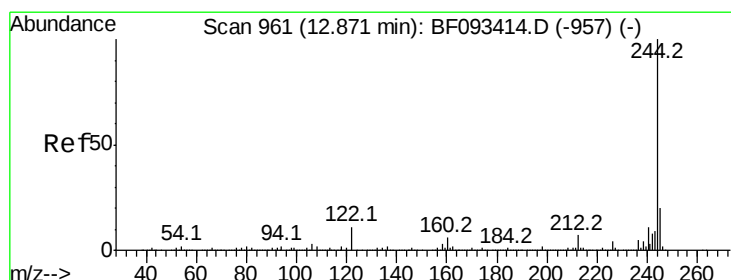
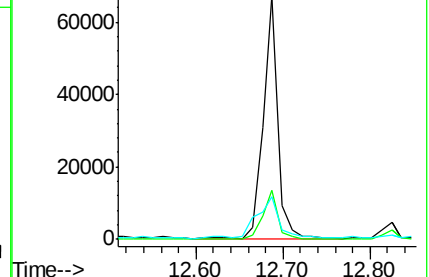
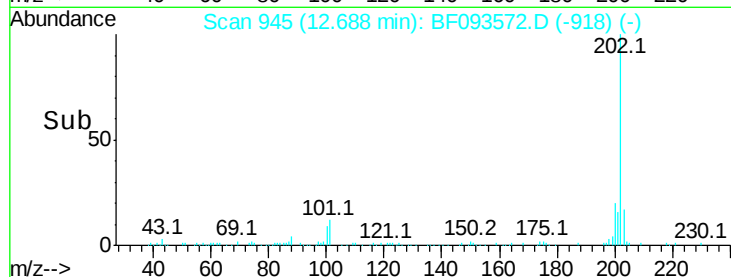
203 17.3 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 85.24 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

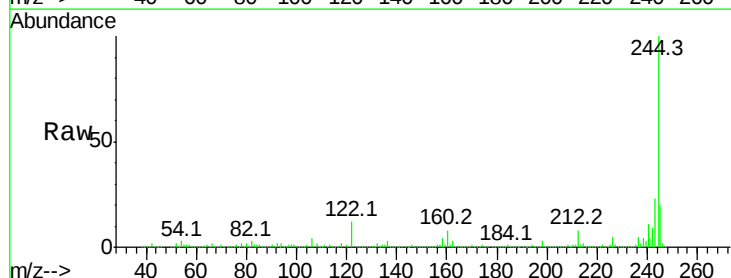
Tgt Ion:244 Resp: 1496982

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

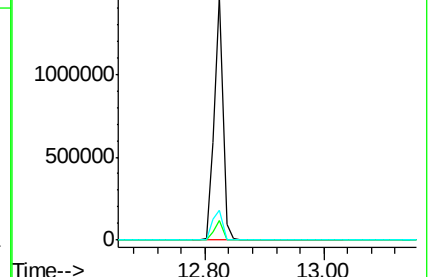
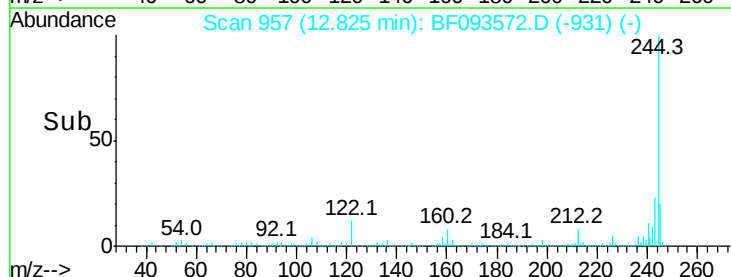
122 12.2 11.4 17.2

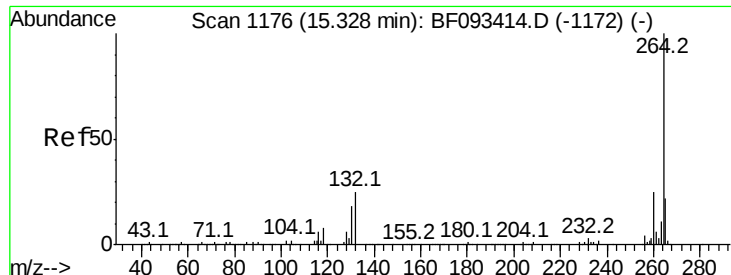


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.1	17.4	26.0

