

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 :

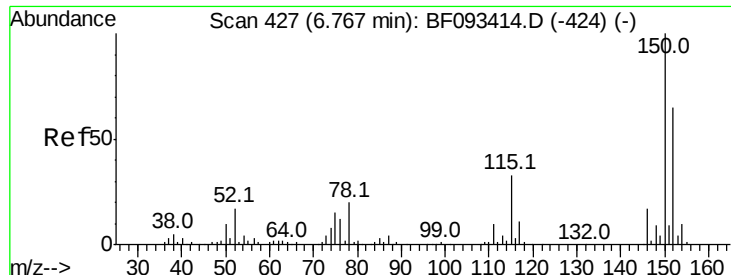
Quant Time: Mar 13 16:11:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

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
15) Benzyl Alcohol	6.87	79	20311	2.04	ng	# 48
19) n-Nitroso-di-n-propylamine	7.29	70	170950	17.81	ng	# 84
25) Isophorone	7.29	82	1254501	45.59	ng	# 65
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
55) 4-Nitrophenol	9.97	139	20092	6.74	ng	# 8
56) 2,4-Dinitrotoluene	9.75	165	47270	7.53	ng	# 21
57) Fluorene	10.31	166	52850	2.61	ng	99
66) 4-Bromophenyl-phenylether	10.55	248	22569	3.37	ng	# 1
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

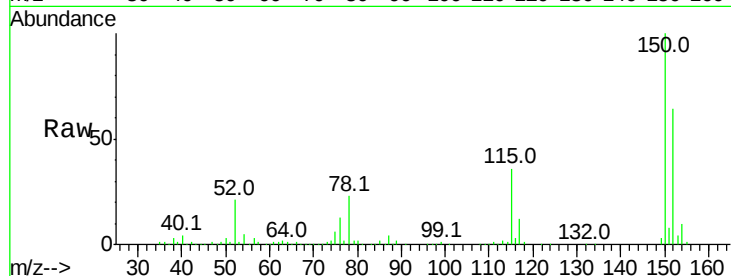


#1

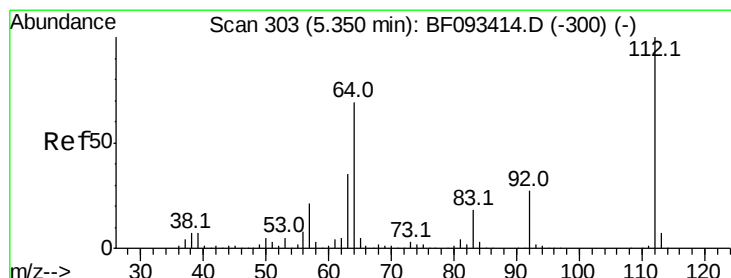
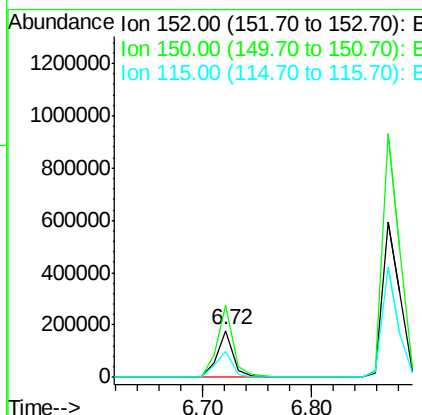
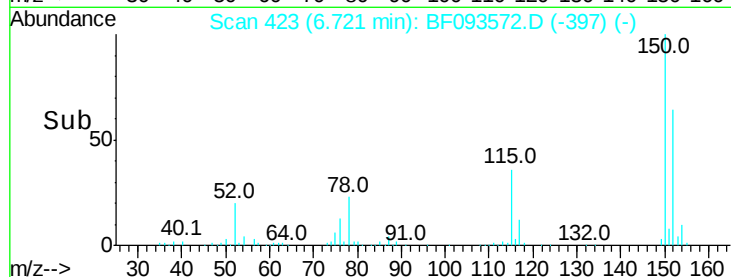
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :

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



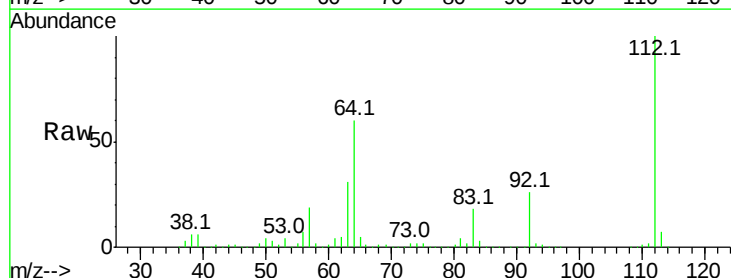
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



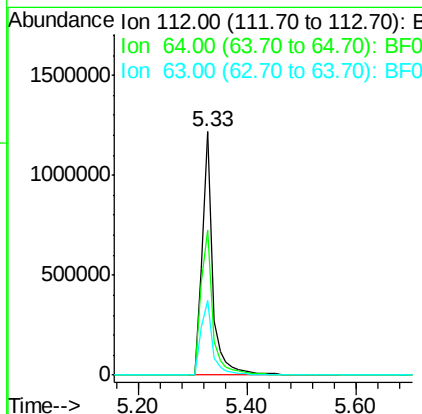
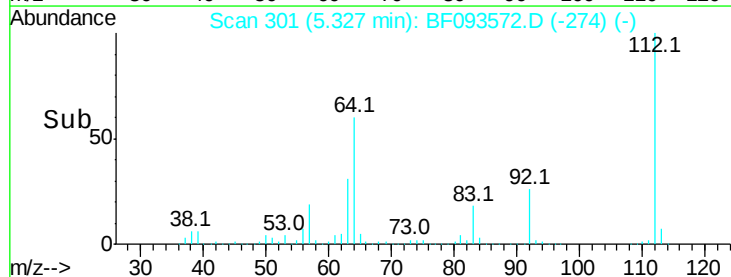
#5

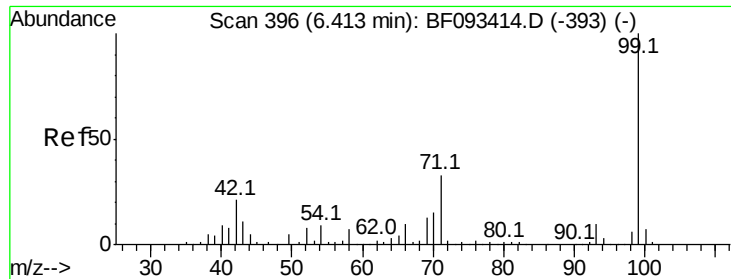
2-Fluorophenol
 Concen: 146.52 ng
 RT: 5.33 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

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



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: 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 :

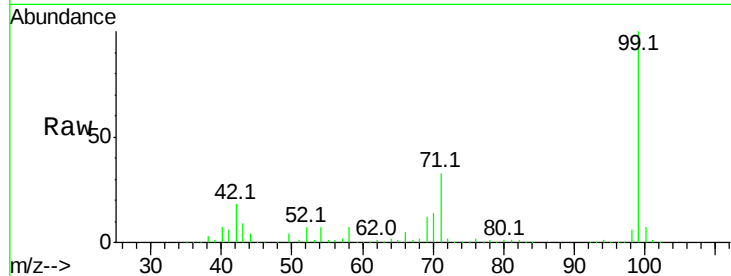
Tot Ion: 99 Resp: 2262208

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

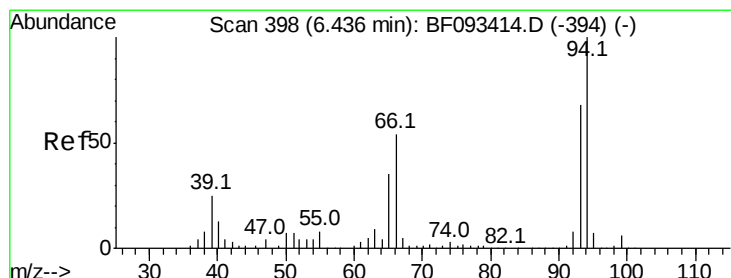
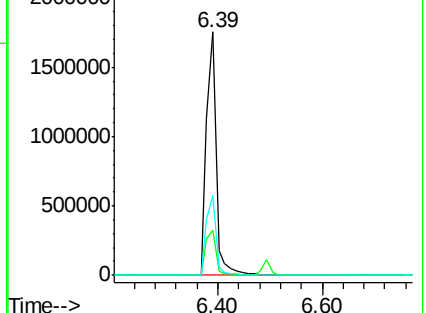
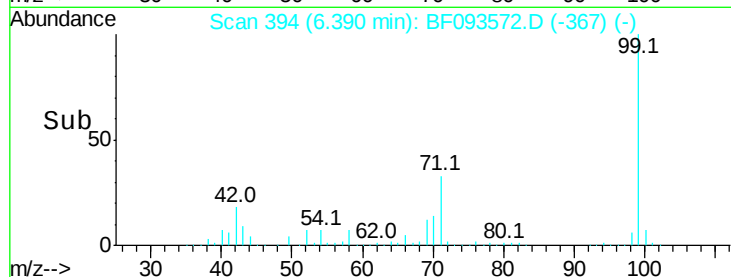
71 32.7 27.5 41.3



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

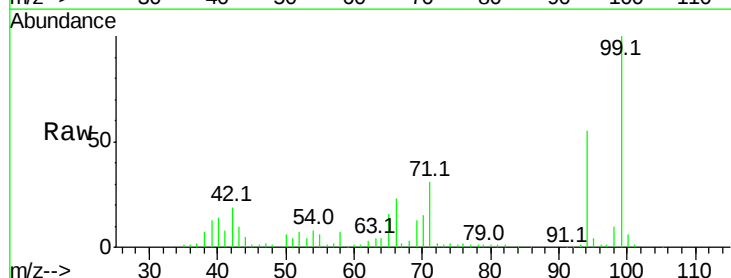
Tgt Ion: 94 Resp: 127813

Ion Ratio Lower Upper

94 100

65 28.4 21.4 61.4

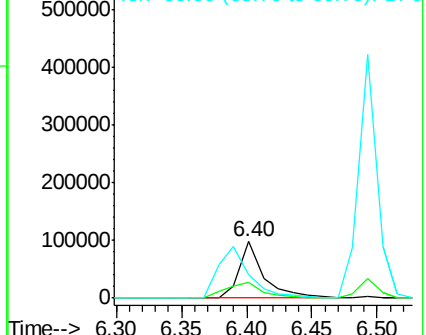
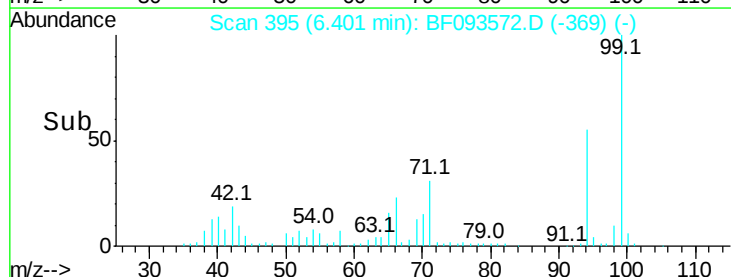
66 41.9 44.0 84.0#

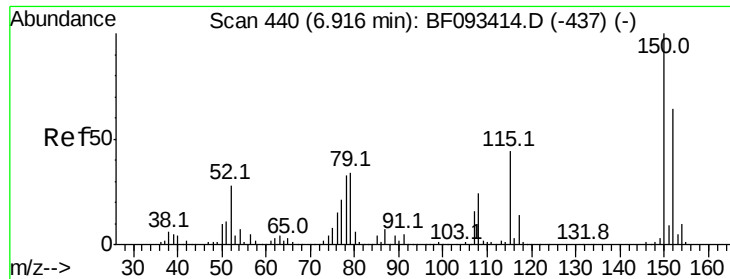


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

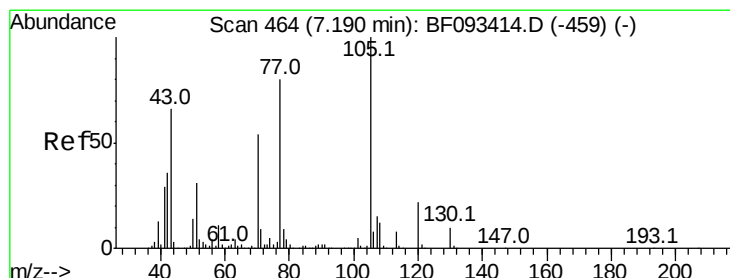
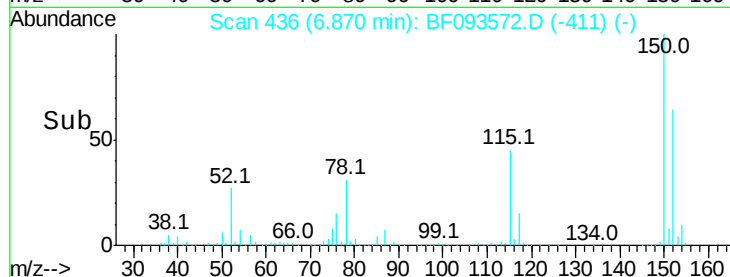
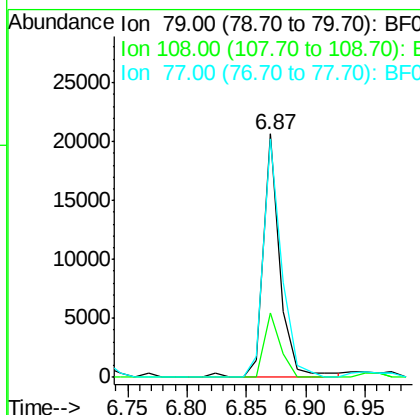
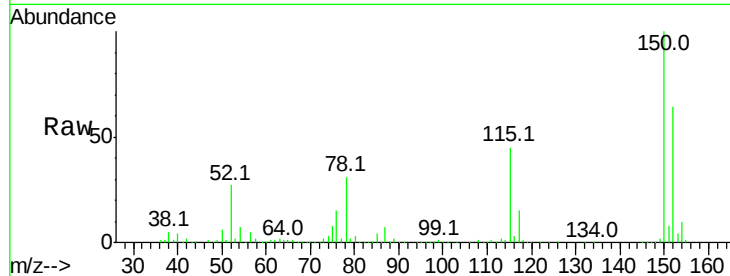




#15
Benzyl Alcohol
Concen: 2.04 ng
RT: 6.87 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

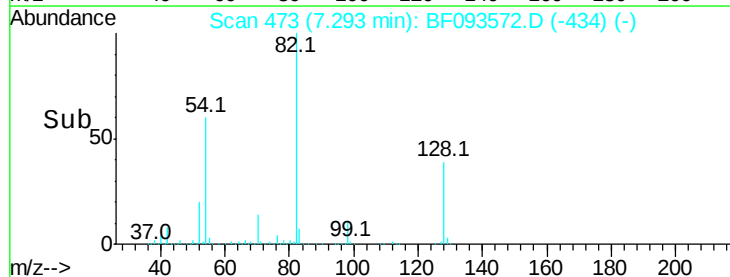
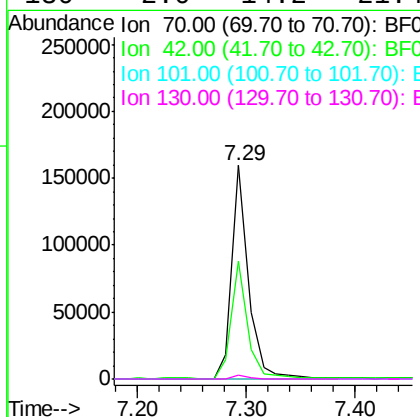
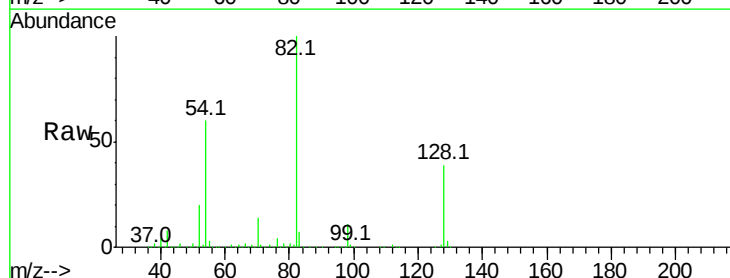
Instrument :
BNA_F
ClientSampled :

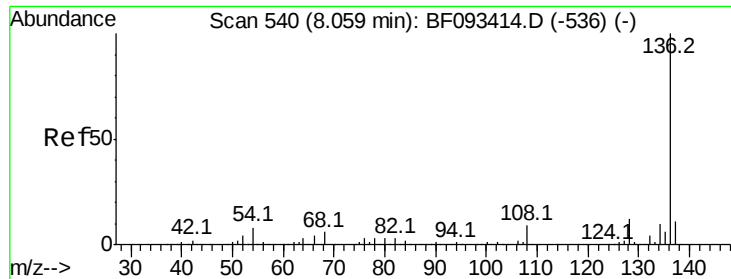
Tot Ion: 79 Resp: 20311
Ion Ratio Lower Upper
79 100
108 26.2 61.4 92.0#
77 98.1 50.9 76.3#



#19
n-Nitroso-di-n-propylamine
Concen: 17.81 ng
RT: 7.29 min Scan# 473
Delta R.T. 0.15 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion: 70 Resp: 170950
Ion Ratio Lower Upper
70 100
42 55.3 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

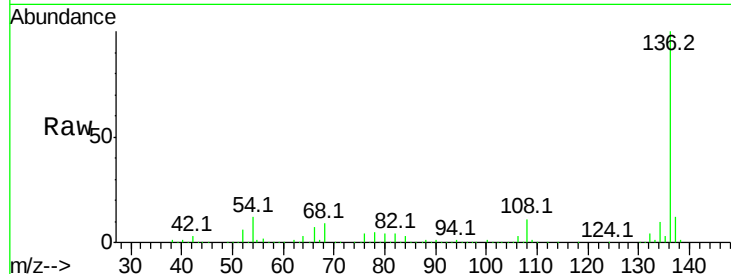




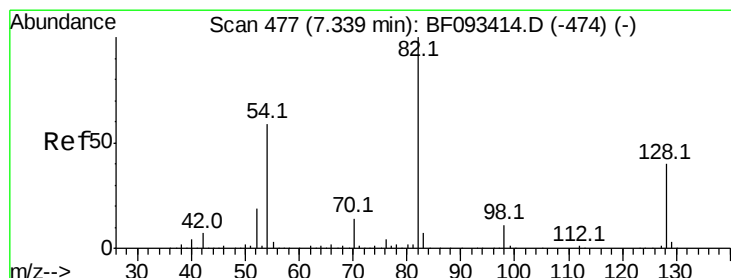
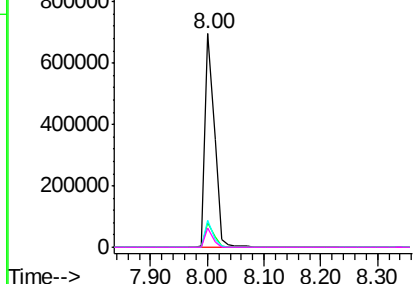
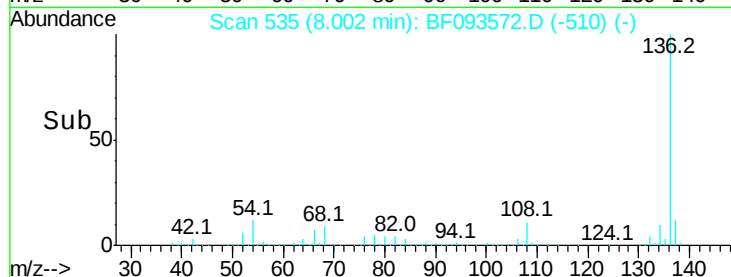
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Instrument :
BNA_F
ClientSampled :

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#

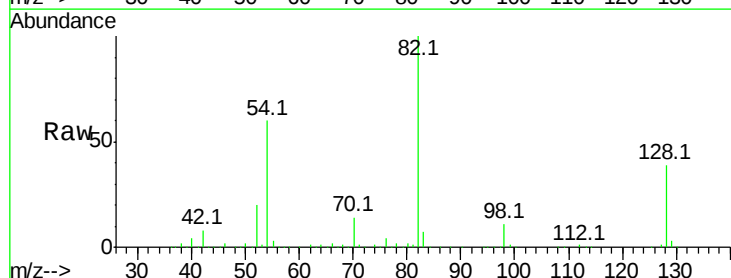


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

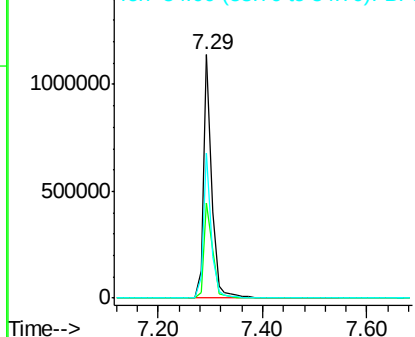
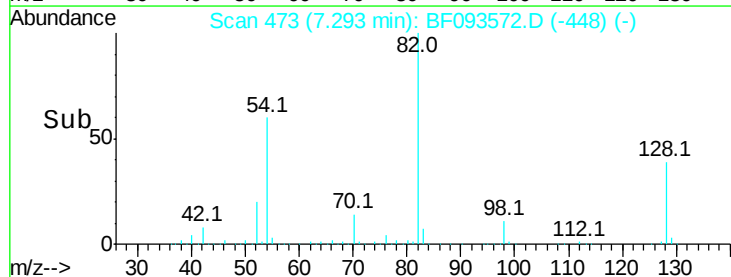


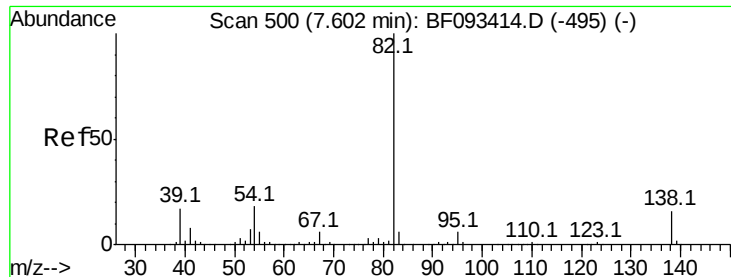
#23
Nitrobenzene-d5
Concen: 91.92 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

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#



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





#25

Isophorone

Concen: 45.59 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.26 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampled :

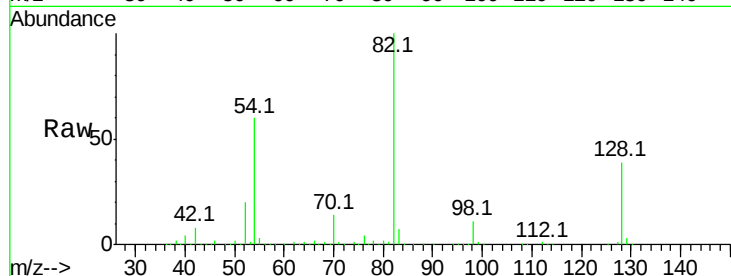
Tot Ion: 82 Resp: 1254501

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

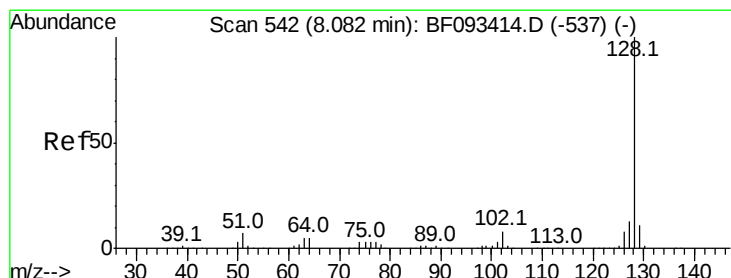
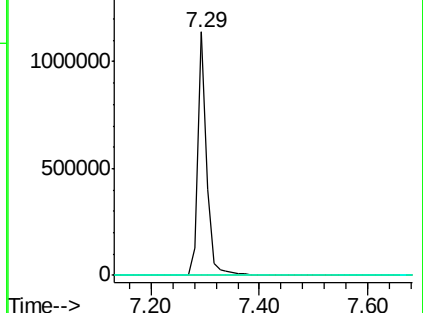
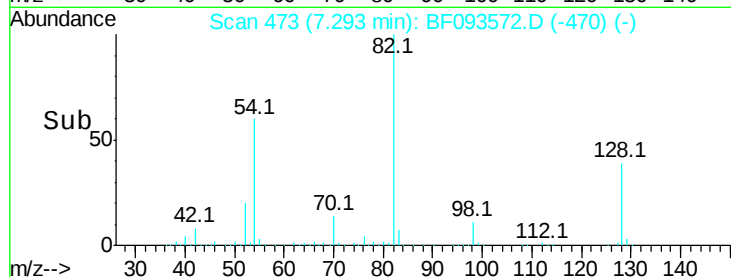
138 0.0 14.6 22.0#



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



#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

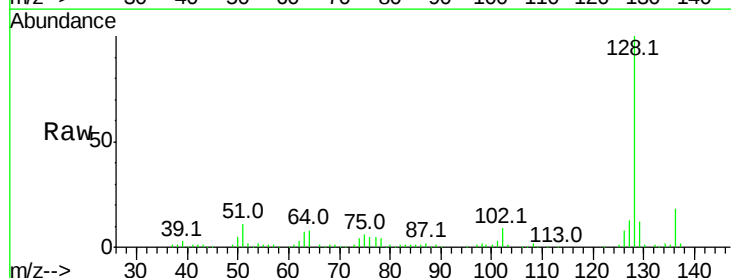
Tgt Ion:128 Resp: 170375

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

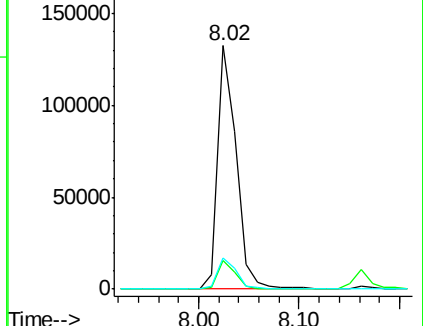
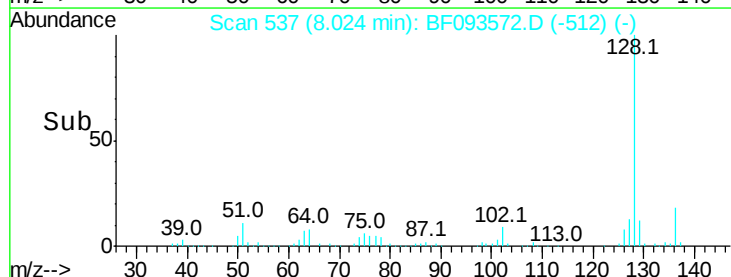
127 12.8 10.8 16.2

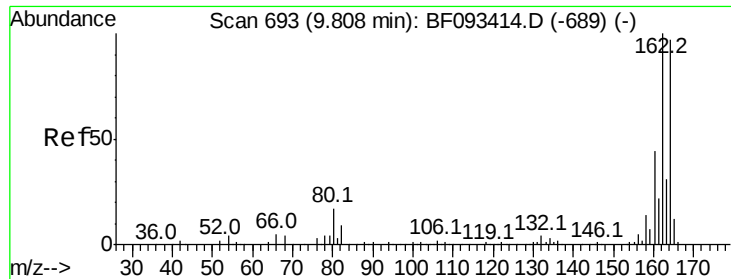


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

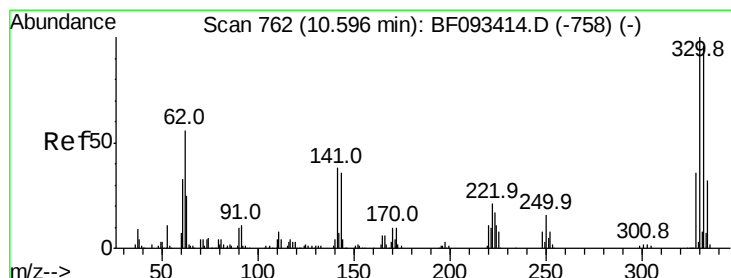
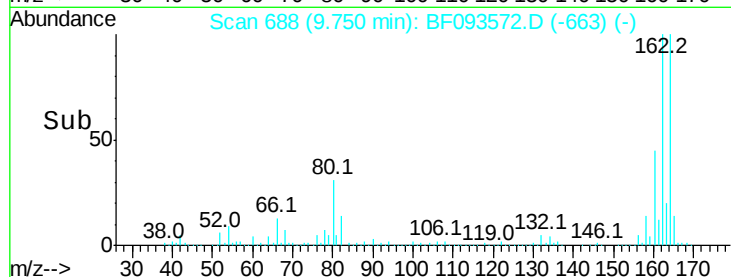
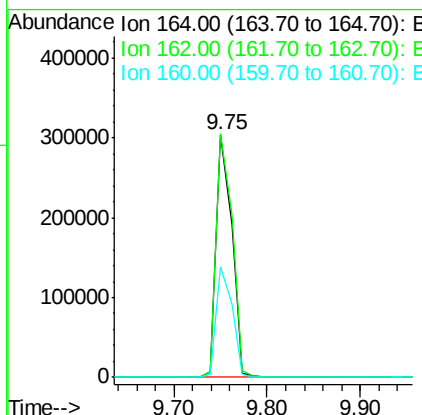
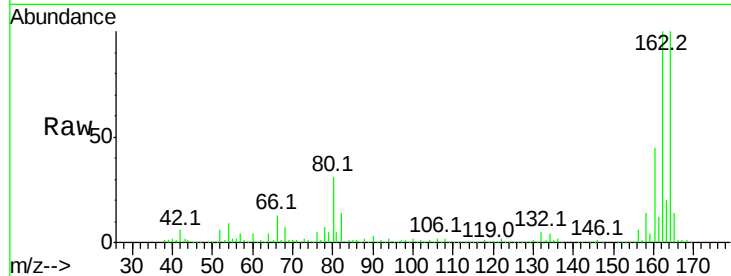




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF093572.D
 Acq: 11 Mar 2017 17:31

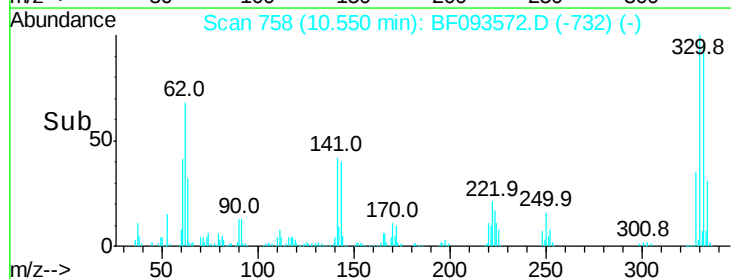
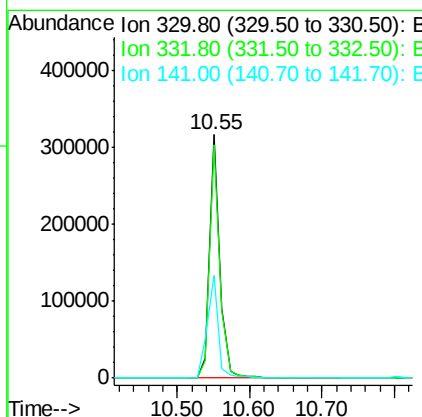
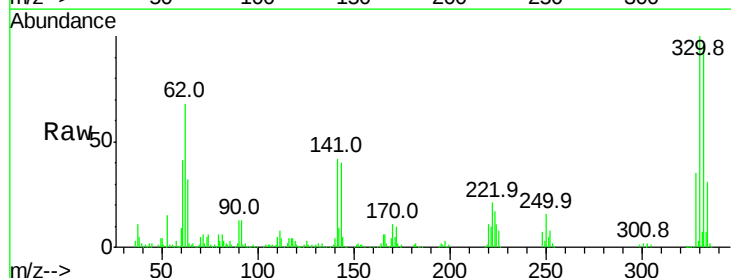
Instrument :
 BNA_F
 ClientSampleId :

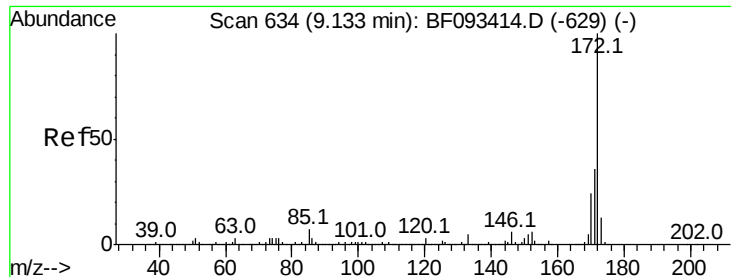
Tot Ion:164 Resp: 351191
 Ion Ratio Lower Upper
 164 100
 162 100.4 80.2 120.2
 160 45.4 36.9 55.3



#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

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





#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

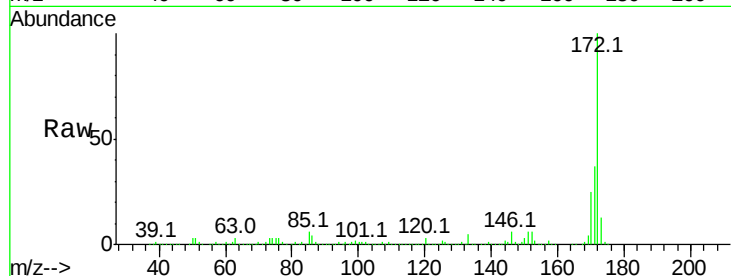
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 2036121

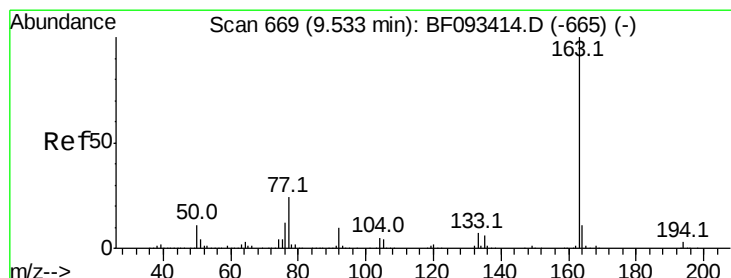
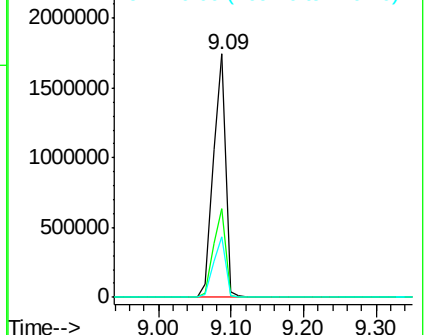
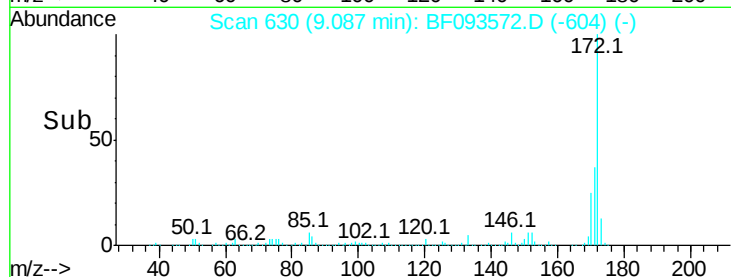
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.8	20.2	30.4



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

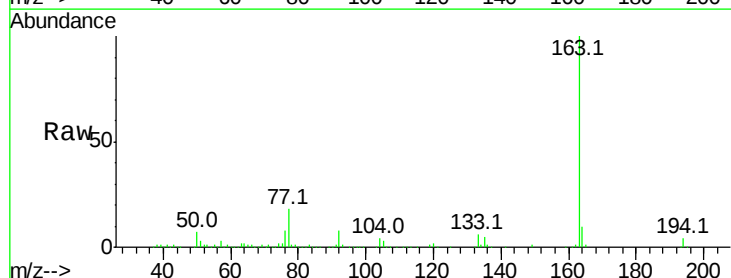
Delta R.T. -0.01 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Tgt Ion:163 Resp: 228213

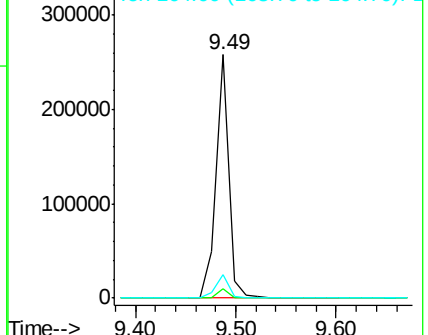
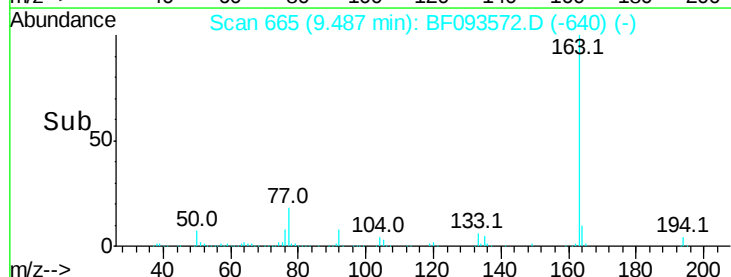
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.7	8.0	12.0

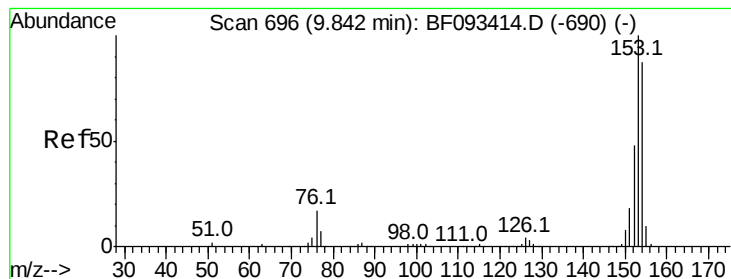


Abundance Ion 163.00 (162.70 to 163.70): E

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

Instrument :

BNA_F

ClientSampleId :

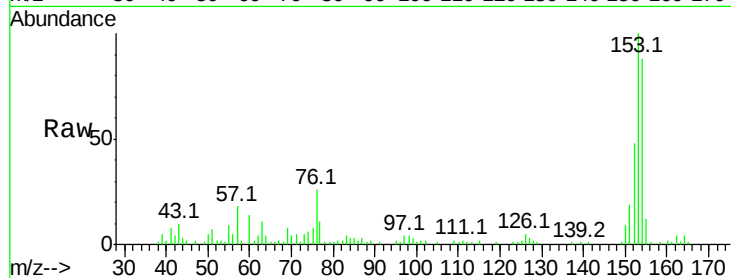
Tot Ion:154 Resp: 49274

Ion Ratio Lower Upper

154 100

153 113.6 88.6 133.0

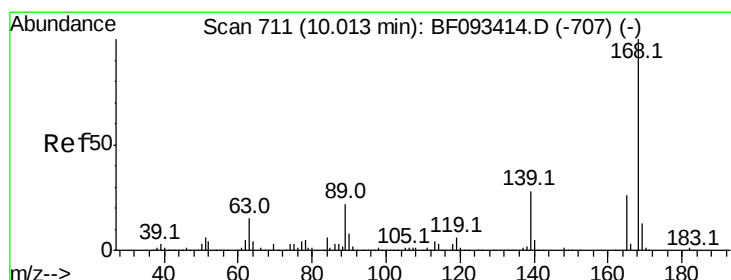
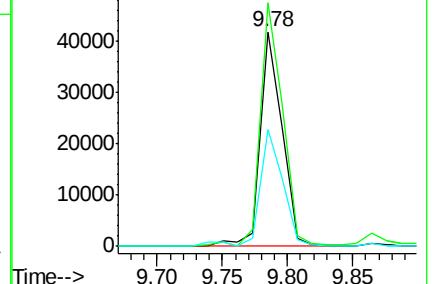
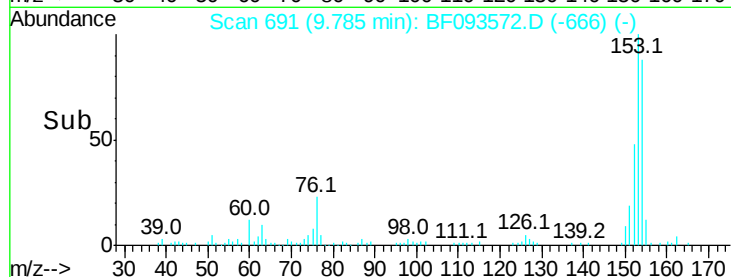
152 54.5 41.6 62.4



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

Dibenzofuran

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

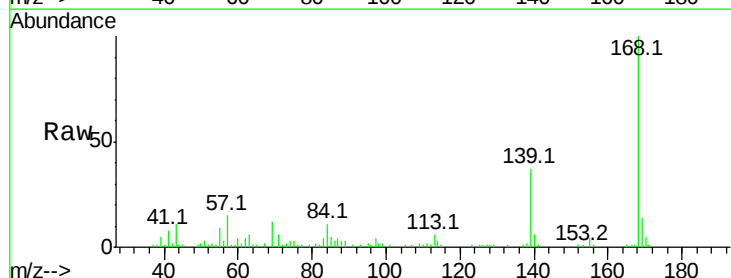
Tgt Ion:168 Resp: 53079

Ion Ratio Lower Upper

168 100

139 36.7 32.6 49.0

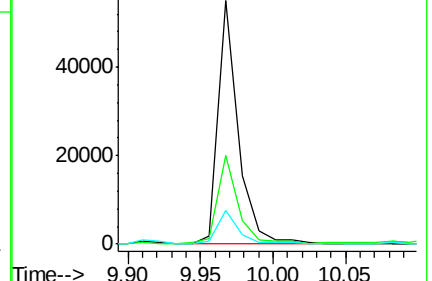
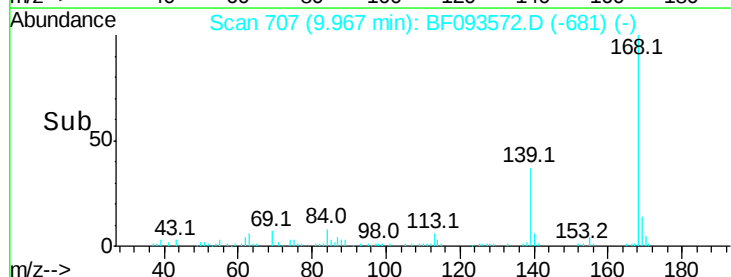
169 13.9 11.3 16.9

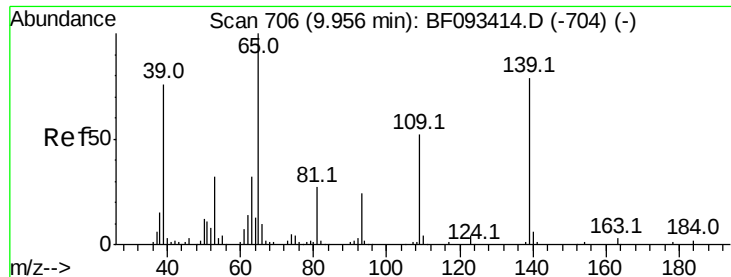


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

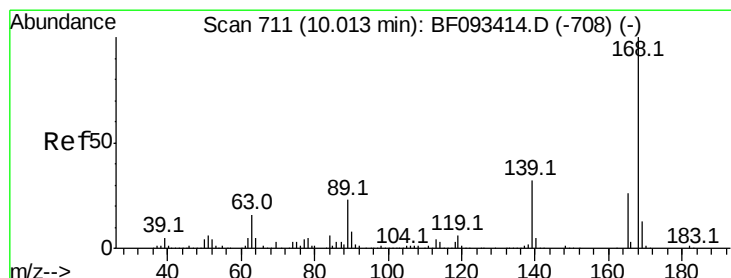
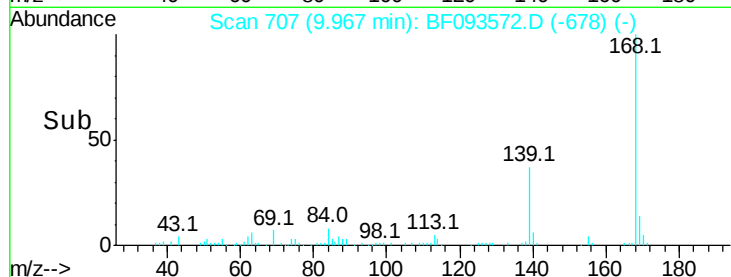
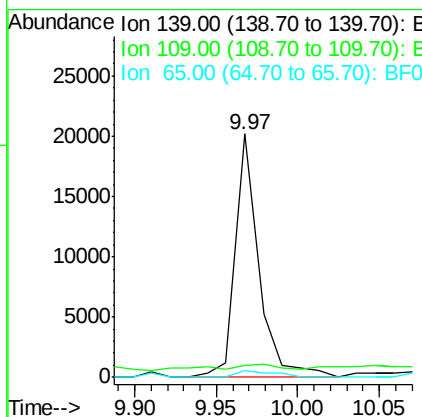
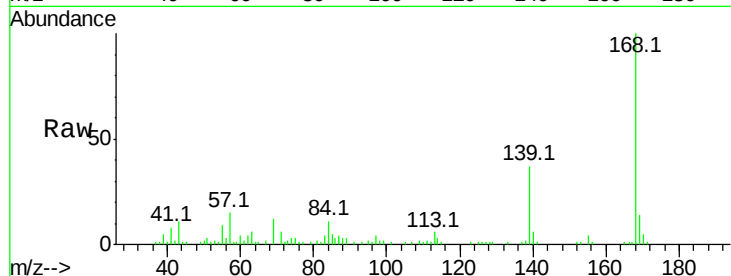




#55
4-Nitrophenol
Concen: 6.74 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.03 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

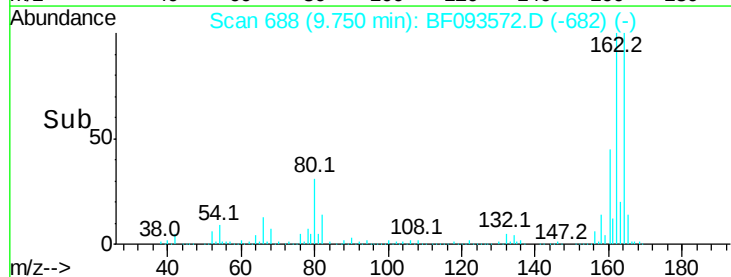
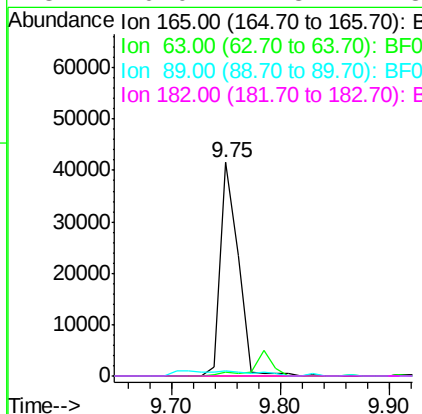
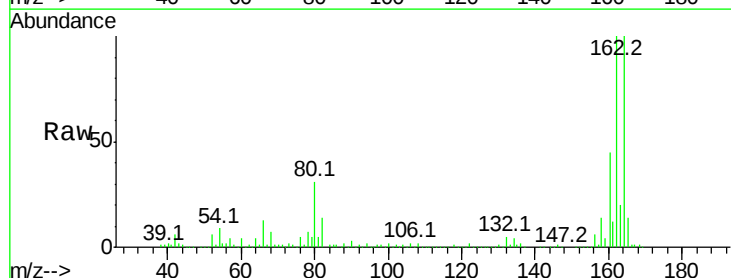
Instrument :
BNA_F
ClientSampled :

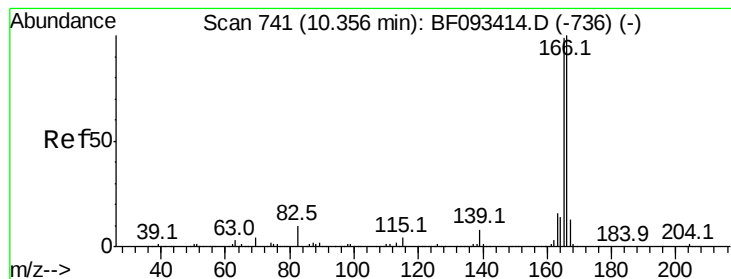
Tot Ion:139 Resp: 20092
Ion Ratio Lower Upper
139 100
109 5.1 52.2 92.2#
65 2.8 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 7.53 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.23 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

Tgt Ion:165 Resp: 47270
Ion Ratio Lower Upper
165 100
63 1.9 40.2 60.4#
89 2.2 62.5 93.7#
182 0.0 1.8 2.8#





#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

Instrument :

BNA_F

ClientSampleId :

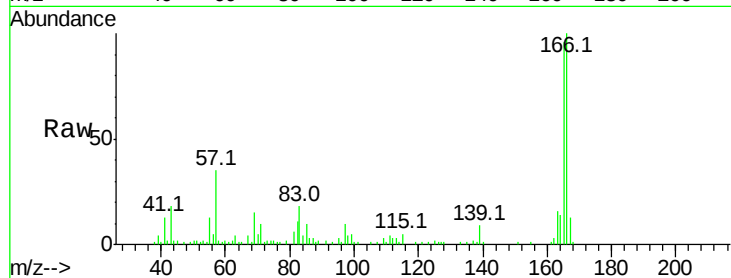
Tot Ion:166 Resp: 52850

Ion Ratio Lower Upper

166 100

165 96.1 77.8 116.8

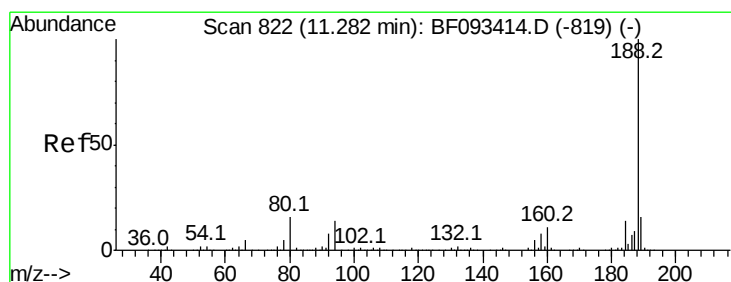
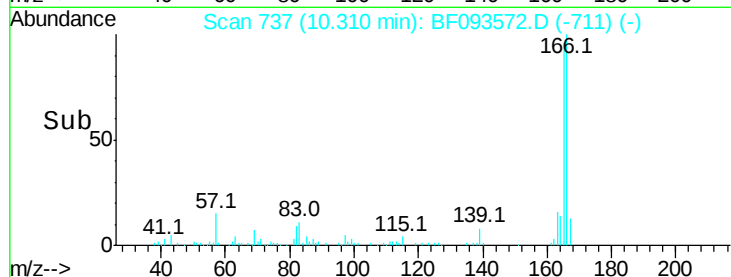
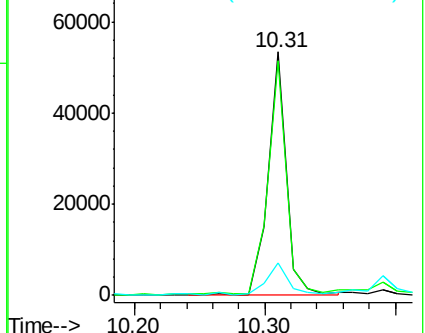
167 13.2 10.8 16.2



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

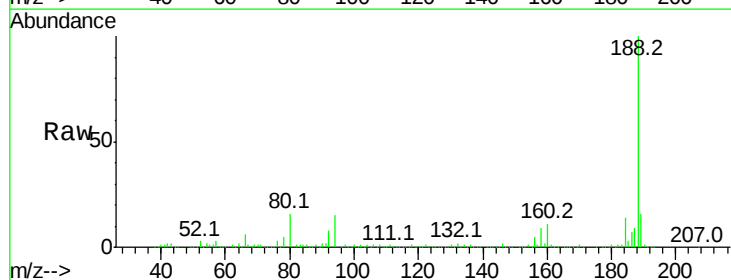
Tgt Ion:188 Resp: 633219

Ion Ratio Lower Upper

188 100

94 14.6 10.0 15.0

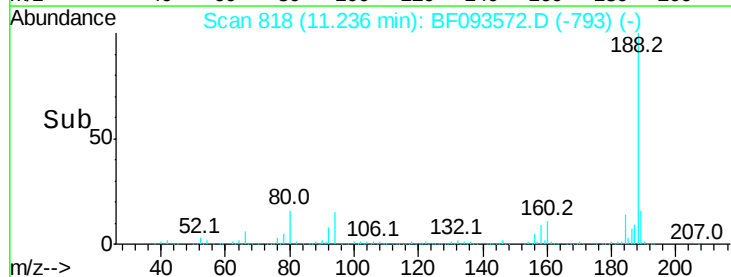
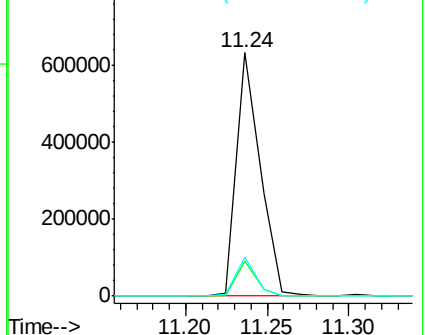
80 15.9 11.2 16.8

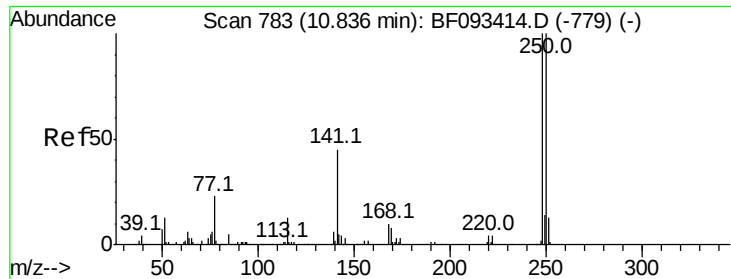


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.37 ng

RT: 10.55 min Scan# 758

Delta R.T. -0.24 min

Lab File: BF093572.D

Acq: 11 Mar 2017 17:31

Instrument :

BNA_F

ClientSampleId :

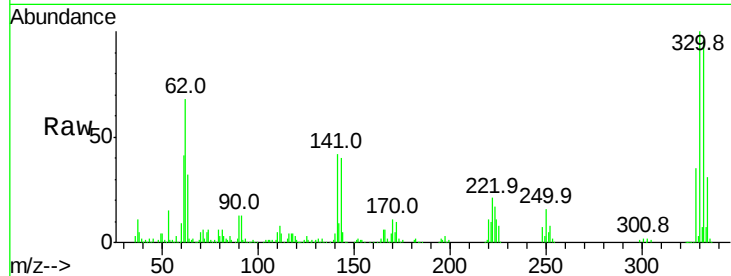
Tot Ion:248 Resp: 22569

Ion Ratio Lower Upper

248 100

250 211.2 76.9 115.3#

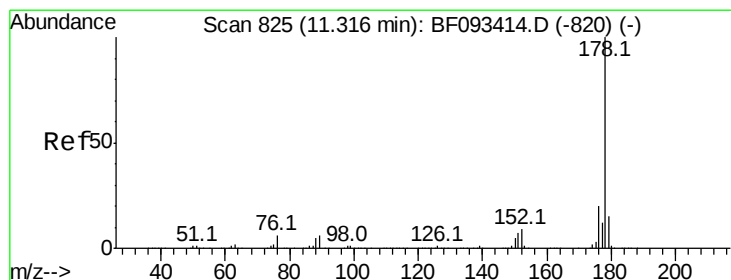
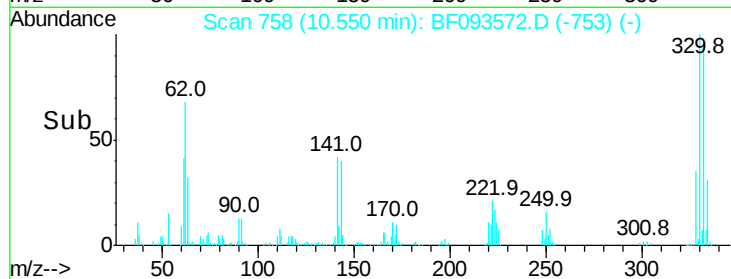
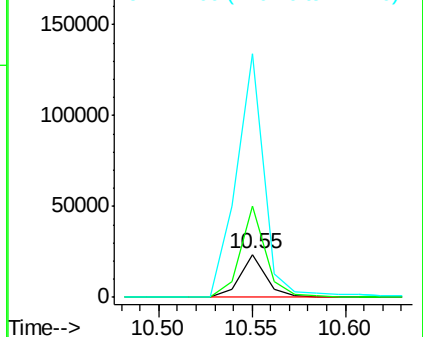
141 564.6 68.2 102.4#



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



#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

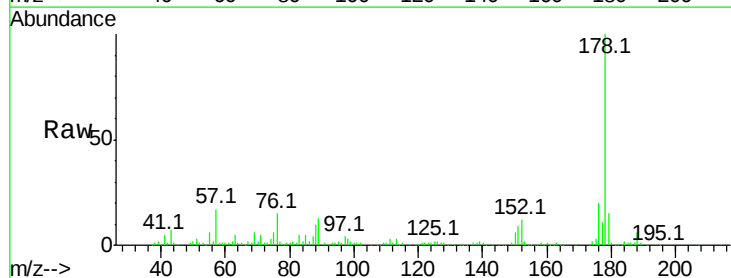
Tgt Ion:178 Resp: 216551

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

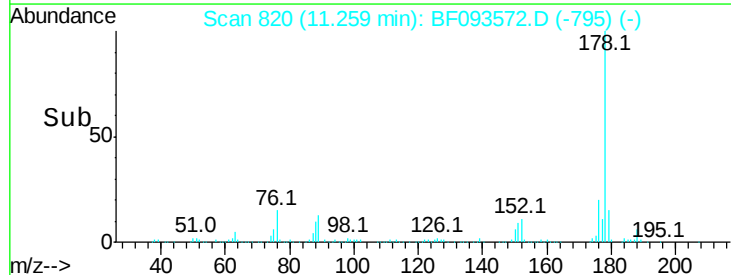
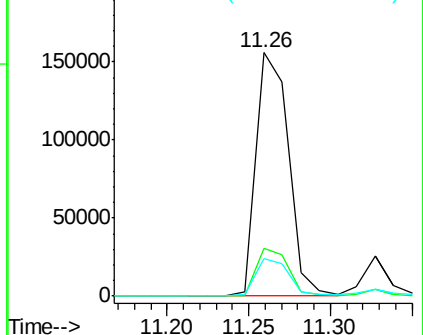
179 15.2 12.8 19.2

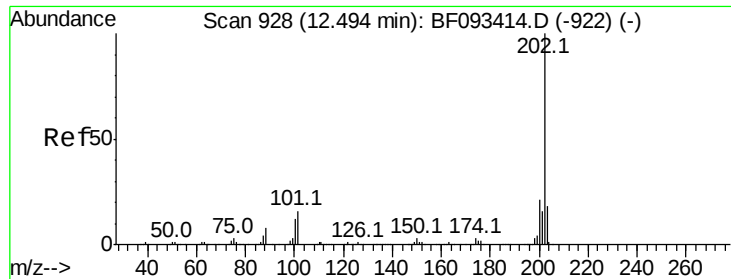


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

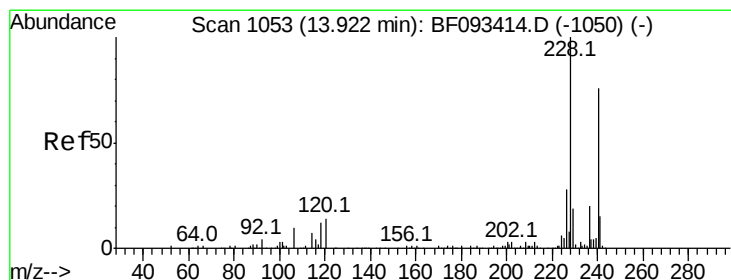
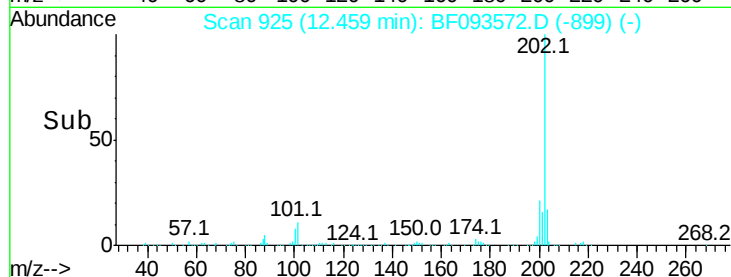
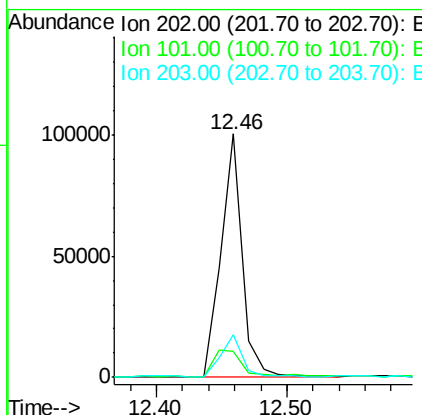
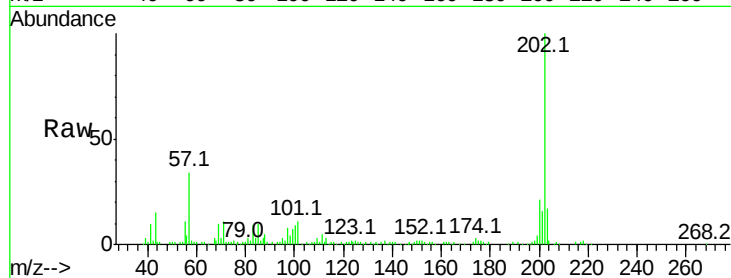




#74
Fluoranthene
Concen: 3.29 ng
RT: 12.46 min Scan# 925
Delta R.T. -0.00 min
Lab File: BF093572.D
Acq: 11 Mar 2017 17:31

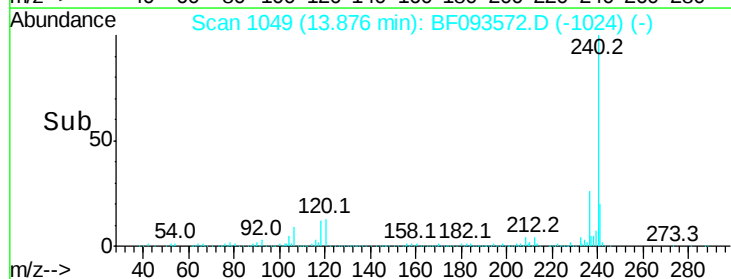
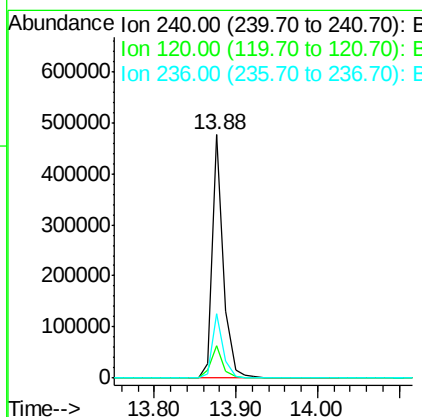
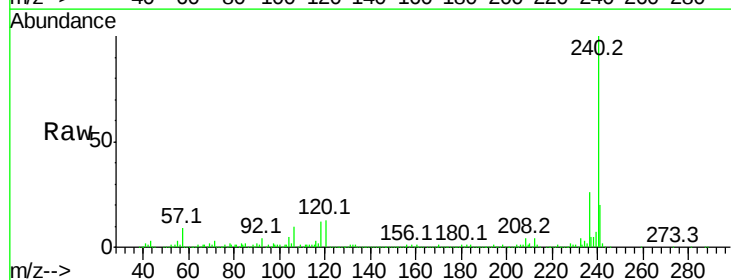
Instrument :
BNA_F
ClientSampled :

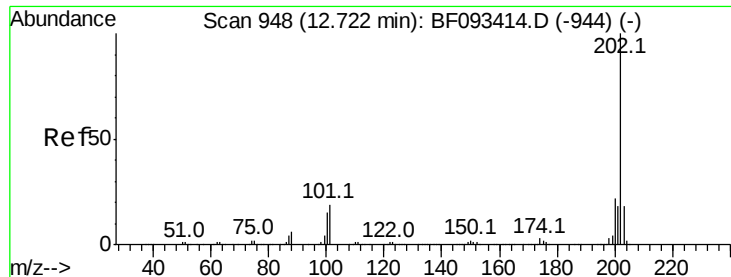
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.6
203	17.3	0.0	38.7



#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 :

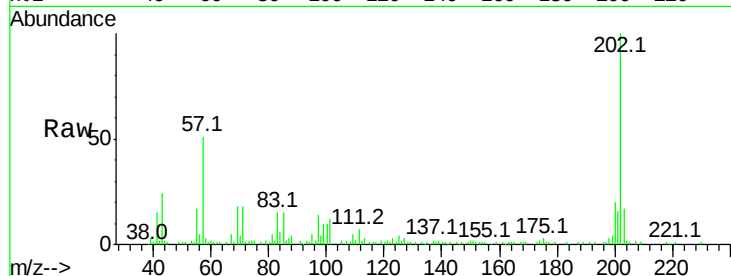
Tot Ion:202 Resp: 80691

Ion Ratio Lower Upper

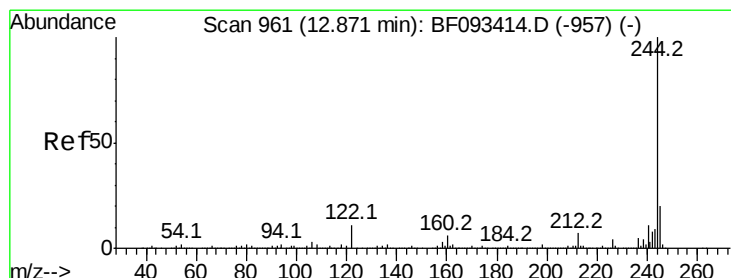
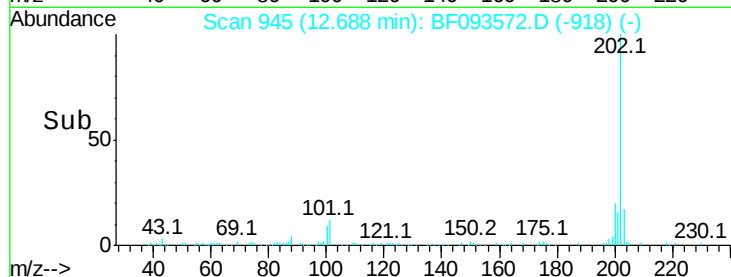
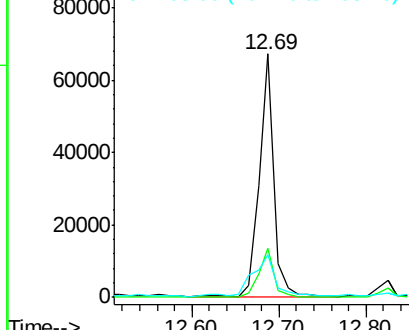
202 100

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

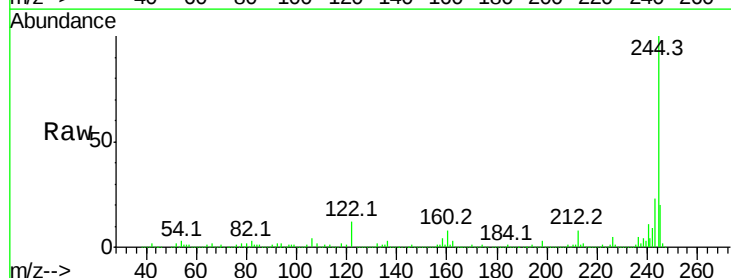
Tgt Ion:244 Resp: 1496982

Ion Ratio Lower Upper

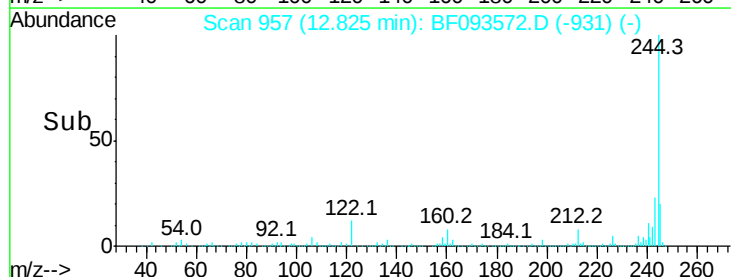
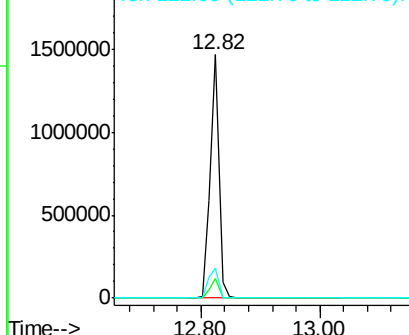
244 100

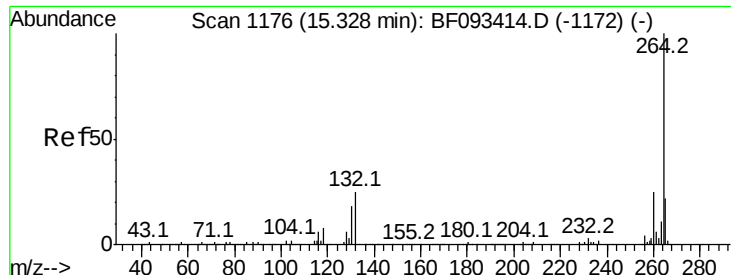
212 7.9 6.2 9.2

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 :

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

