

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093206.D
 Acq On : 27 Feb 2017 13:58
 Operator : SJ/MA
 Sample : I1973-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

Quant Time: Feb 27 14:22:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	160355	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	596300	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	237757	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	346201	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	321202	20.00	ng	-0.01
86) Perylene-d12	15.45	264	290985	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	824270	88.19	ng	-0.02
7) Phenol-d6	6.48	99	982002	81.66	ng	-0.01
23) Nitrobenzene-d5	7.40	82	698207	65.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	146688	85.30	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1032396	78.67	ng	-0.01
78) Terphenyl-d14	12.96	244	655217	47.93	ng	-0.01

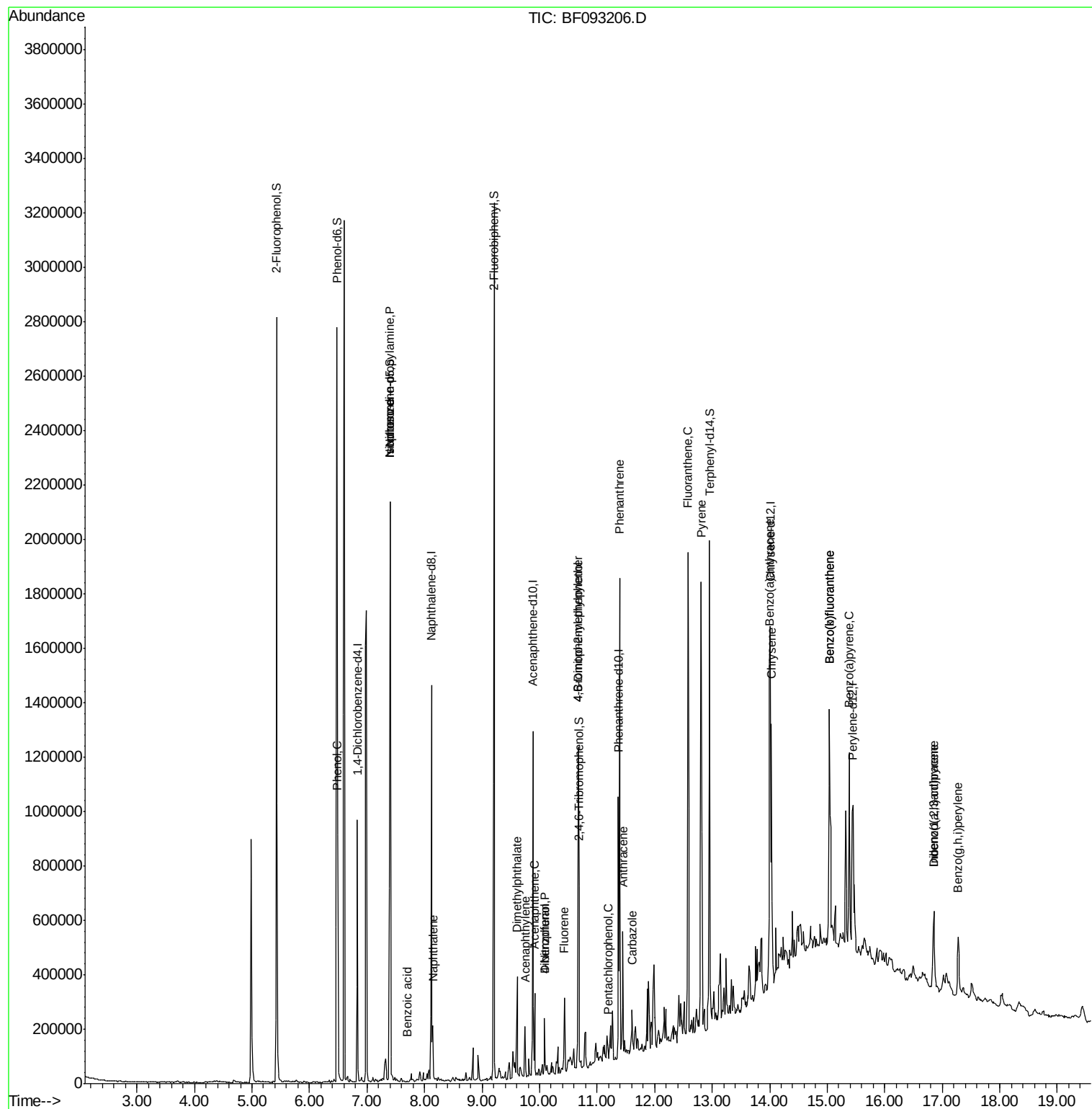
Target Compounds				Qvalue		
10) Phenol	6.49	94	81181	5.77	ng	87
19) n-Nitroso-di-n-propylamine	7.40	70	93619	12.23	ng	# 80
25) Isophorone	7.40	82	526671	26.39	ng	# 65
31) Naphthalene	8.14	128	85412	2.83	ng	97
32) Benzoic acid	7.70	122	503	7.25	ng	90
48) Acenaphthylene	9.74	152	66092	2.84	ng	98
49) Dimethylphthalate	9.61	163	167811	10.48	ng	98
51) Acenaphthene	9.92	154	60905	4.38	ng	97
54) Dibenzofuran	10.09	168	63610	3.42	ng	94
55) 4-Nitrophenol	10.09	139	24523	8.60	ng	# 7
57) Fluorene	10.43	166	69299	4.84	ng	97
64) 4,6-Dinitro-2-methylphenol	10.67	198	250	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	10661	2.95	ng	# 1
69) Pentachlorophenol	11.20	266	320	7.36	ng	# 51
70) Phenanthrene	11.39	178	728971	36.75	ng	99
71) Anthracene	11.45	178	207195	10.40	ng	96
72) Carbazole	11.61	167	66135	3.47	ng	96
74) Fluoranthene	12.58	202	825549	40.35	ng	96
77) Pyrene	12.81	202	768609	31.98	ng	100
80) Benzo(a)anthracene	14.00	228	469867	23.92	ng	97
82) Chrysene	14.03	228	337537	18.35	ng	98
85) Indeno(1,2,3-cd)pyrene	16.85	276	186749	13.11	ng	97
87) Benzo(b)fluoranthene	15.04	252	668907	34.92	ng	98
88) Benzo(k)fluoranthene	15.04	252	668907	40.45	ng	# 97
89) Benzo(a)pyrene	15.38	252	364244	21.99	ng	# 97
90) Dibenzo(a,h)anthracene	16.85	278	51724	3.86	ng	# 76
91) Benzo(g,h,i)perylene	17.28	276	172717	12.77	ng	# 88

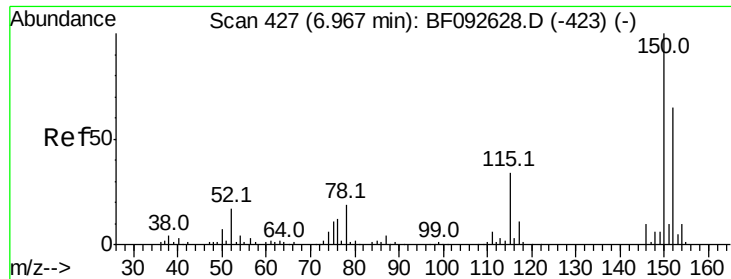
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093206.D
Acq On : 27 Feb 2017 13:58
Operator : SJ/MA
Sample : I1973-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-SOUTHSW-1

Quant Time: Feb 27 14:22:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

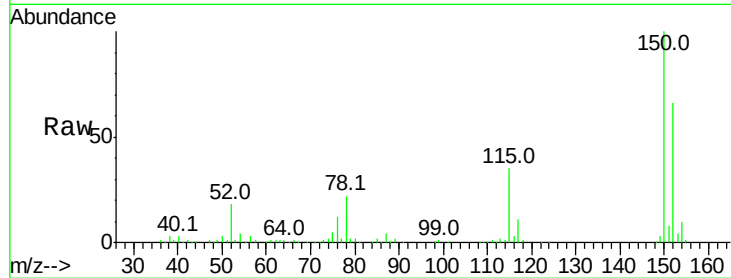
Tot Ion:152 Resp: 160355

Ion Ratio Lower Upper

152 100

150 151.8 124.9 187.3

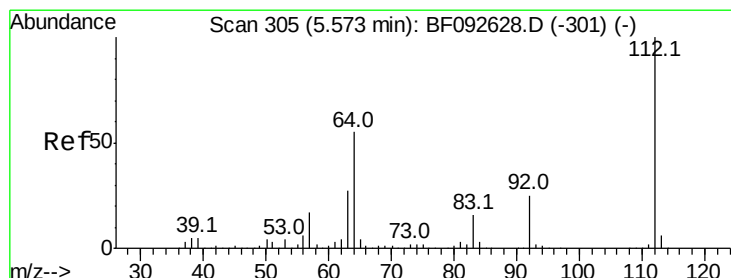
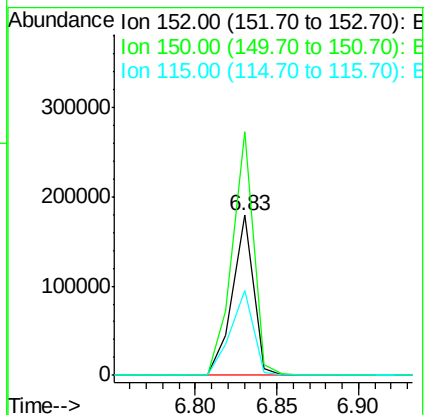
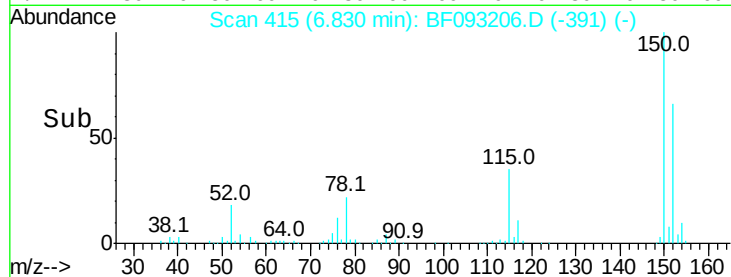
115 53.3 46.0 69.0



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: 88.19 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

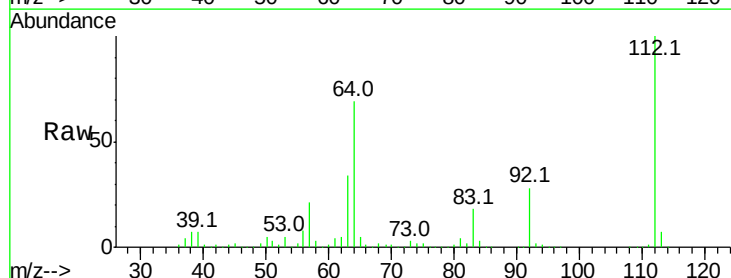
Tgt Ion:112 Resp: 824270

Ion Ratio Lower Upper

112 100

64 69.0 46.1 69.1

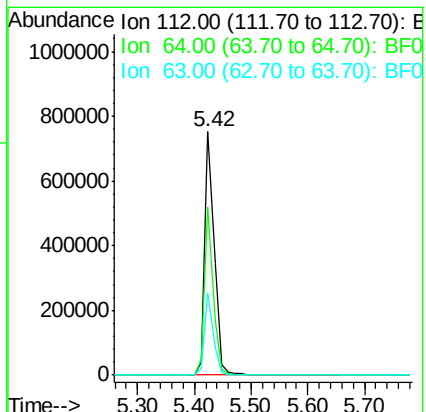
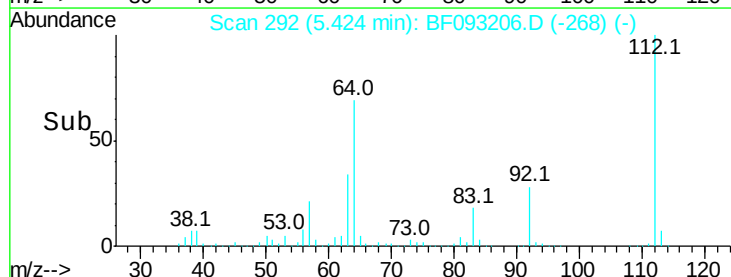
63 33.9 23.8 35.6

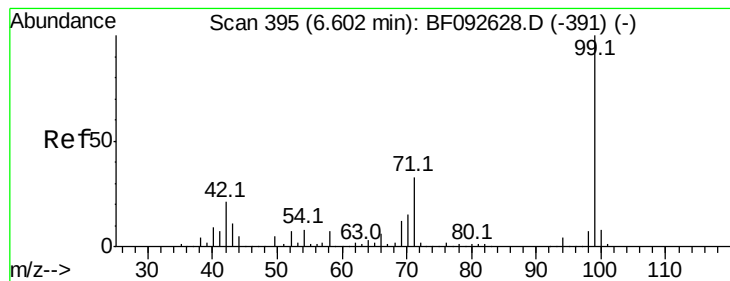


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.66 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

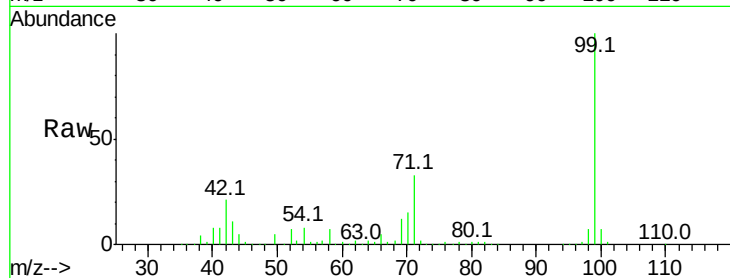
Tot Ion: 99 Resp: 982002

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

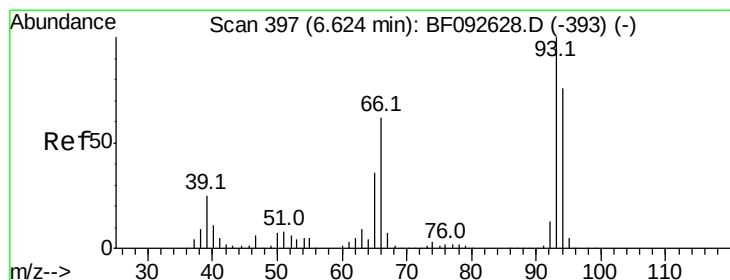
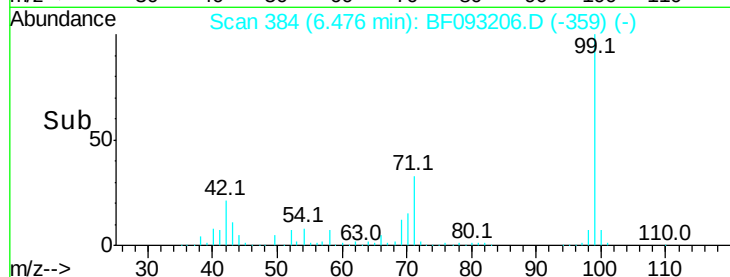
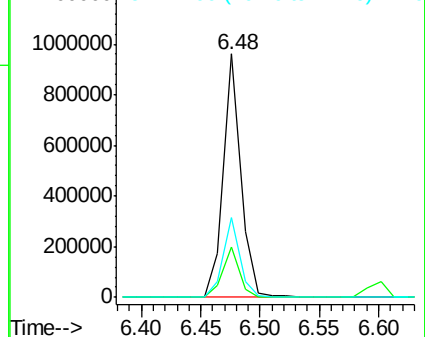
71 32.7 27.5 41.3



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: 5.77 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

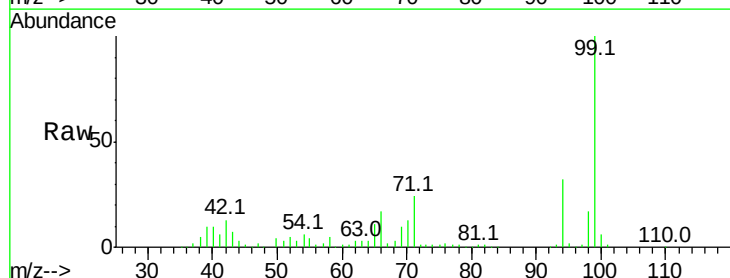
Tgt Ion: 94 Resp: 81181

Ion Ratio Lower Upper

94 100

65 33.3 21.4 61.4

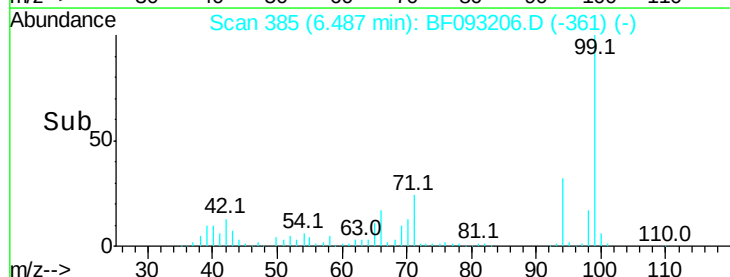
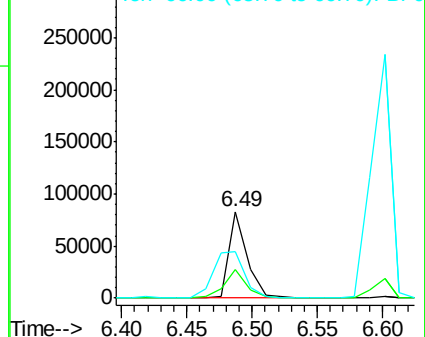
66 53.2 44.0 84.0

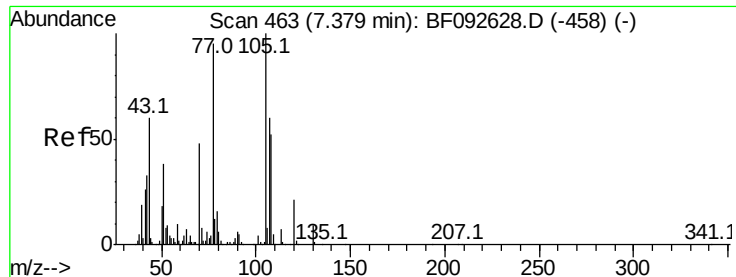


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

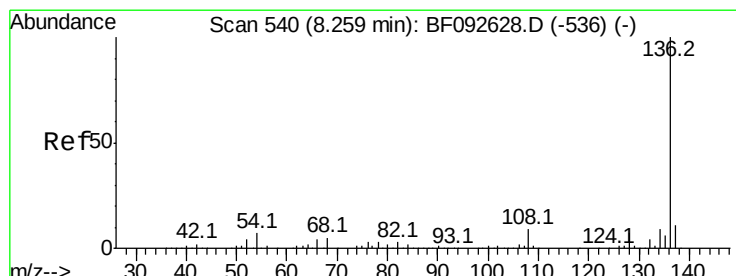
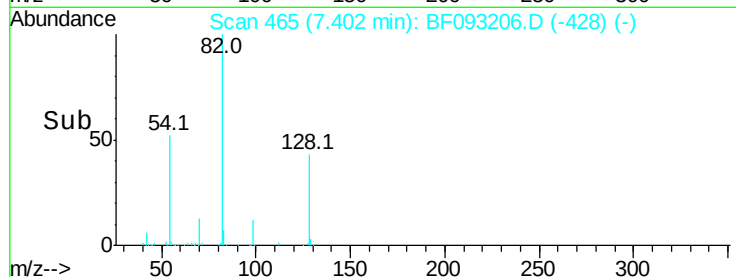
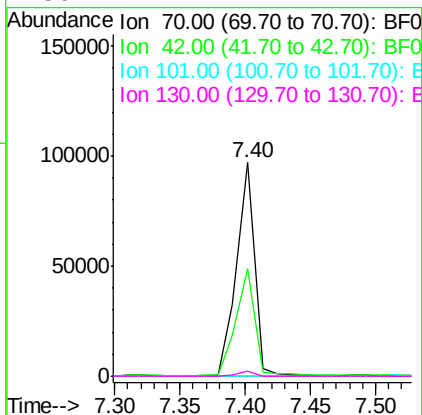
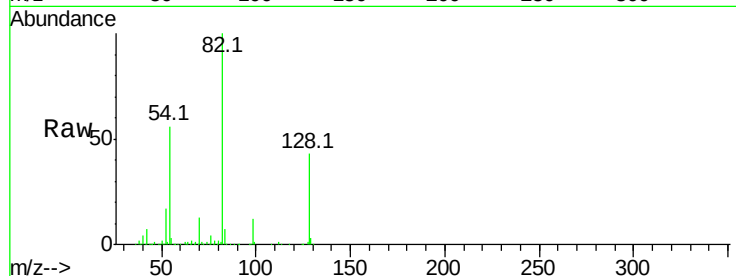




#19
n-Nitroso-di-n-propylamine
Concen: 12.23 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093206.D
Acq: 27 Feb 2017 13:58

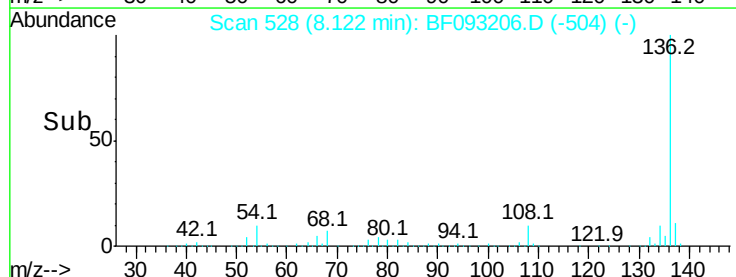
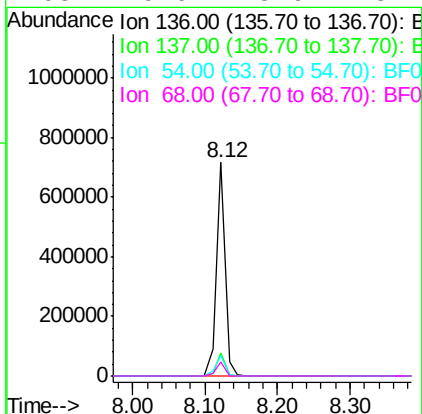
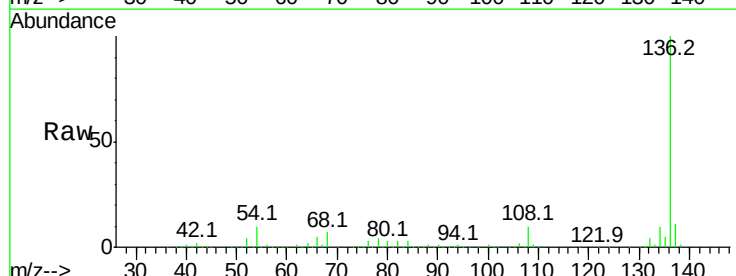
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-SOUTHSW-1

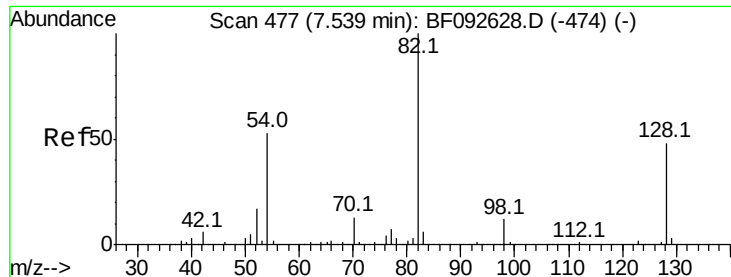
Tot Ion: 70 Resp: 93619
Ion Ratio Lower Upper
70 100
42 50.6 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093206.D
Acq: 27 Feb 2017 13:58

Tgt Ion: 136 Resp: 596300
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 9.5 4.5 6.7#
68 6.6 3.6 5.4#

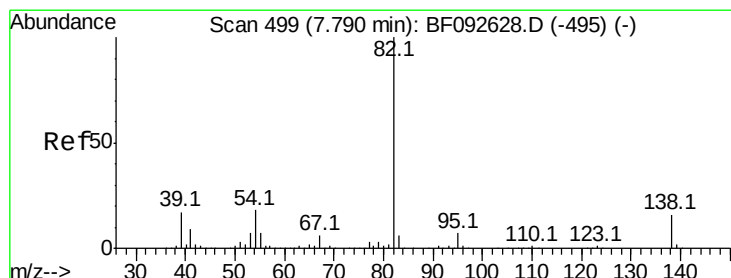
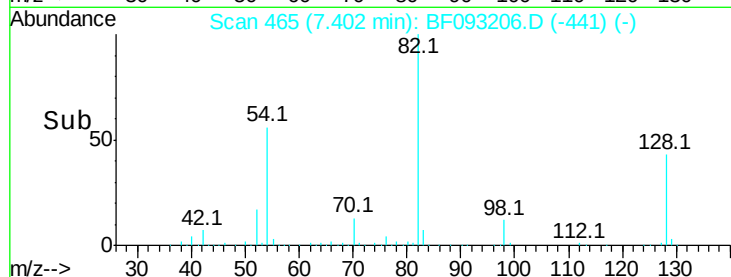
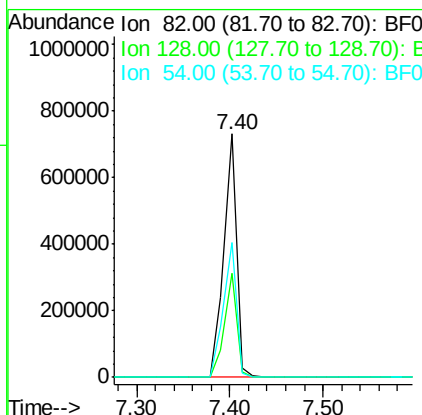
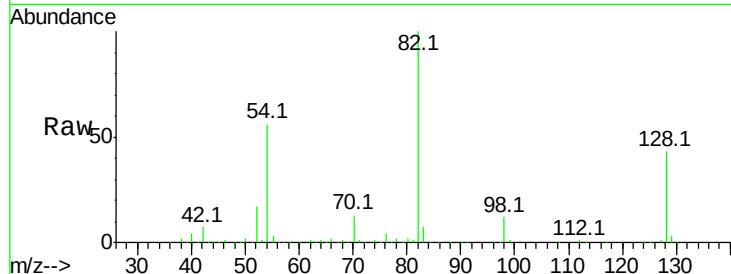




#23
 Nitrobenzene-d5
 Concen: 65.20 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

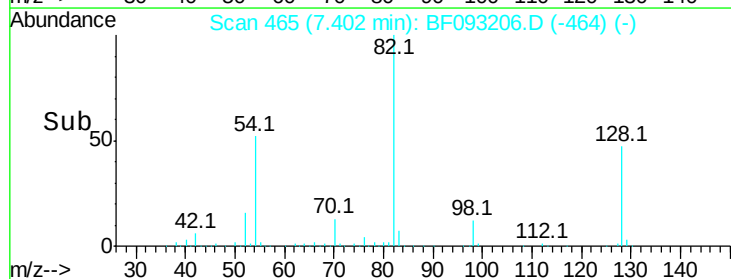
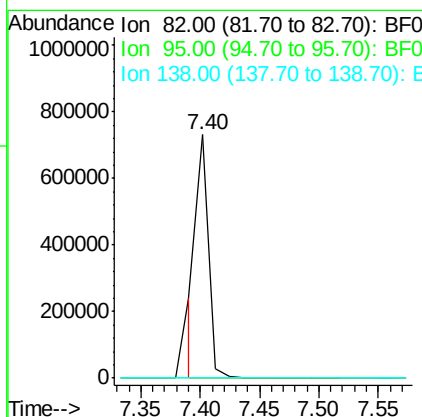
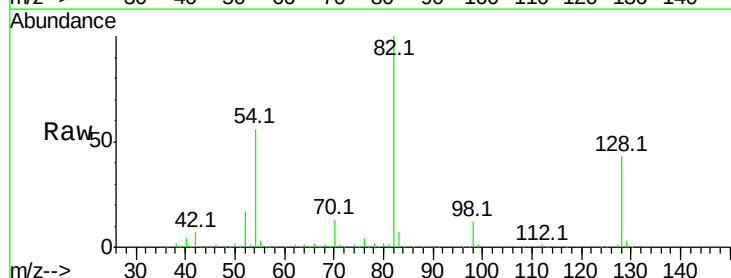
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

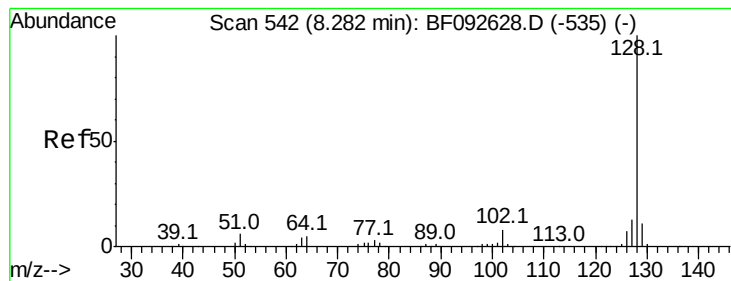
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	55.6	39.5	59.3



#25
 Isophorone
 Concen: 26.39 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.29 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#31

Naphthalene

Concen: 2.83 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

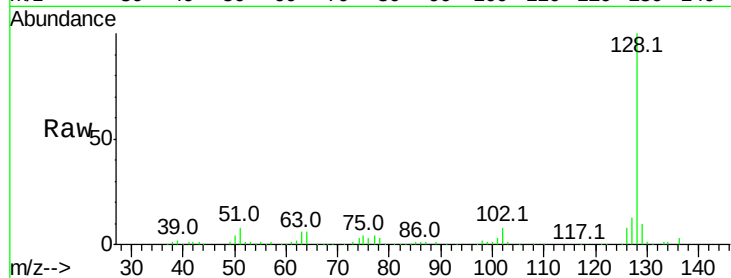
Tot Ion:128 Resp: 85412

Ion Ratio Lower Upper

128 100

129 10.3 9.5 14.3

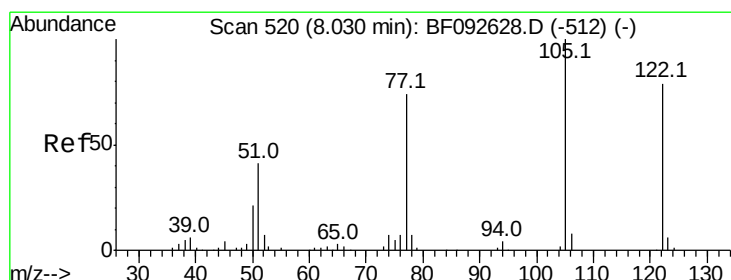
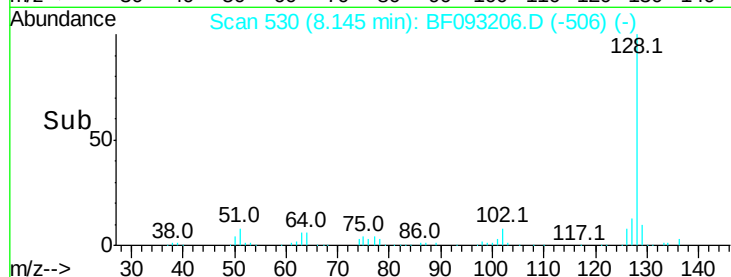
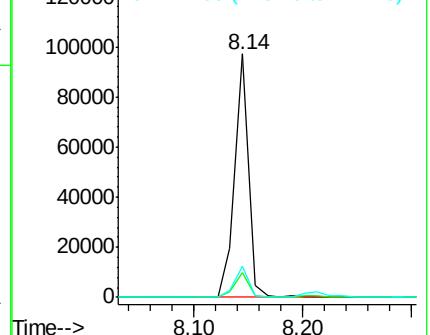
127 12.8 10.8 16.2



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



#32

Benzoic acid

Concen: 7.25 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.23 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

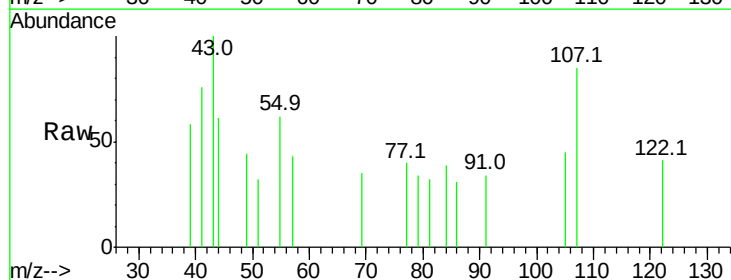
Tgt Ion:122 Resp: 503

Ion Ratio Lower Upper

122 100

105 109.5 107.2 147.2

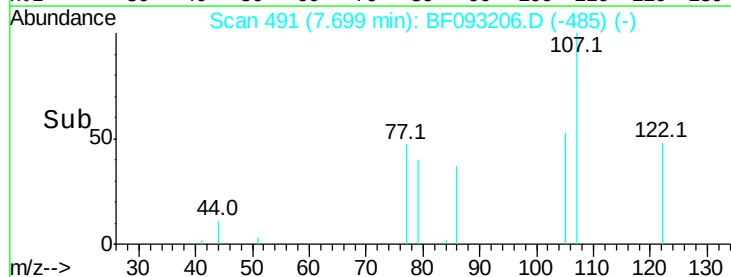
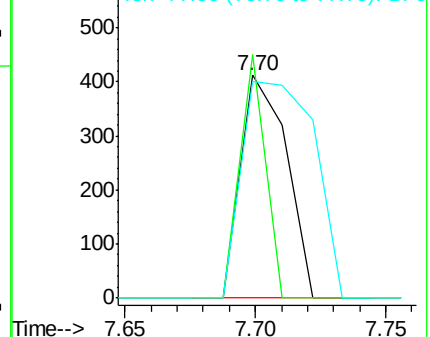
77 97.6 74.5 114.5

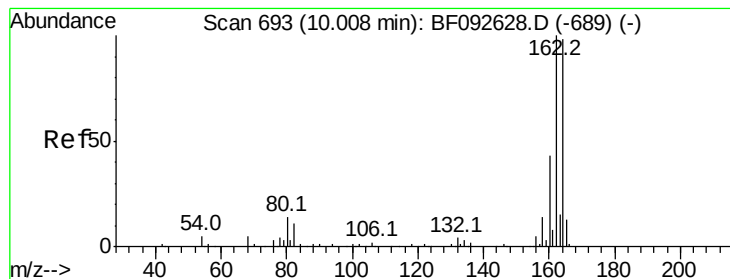


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

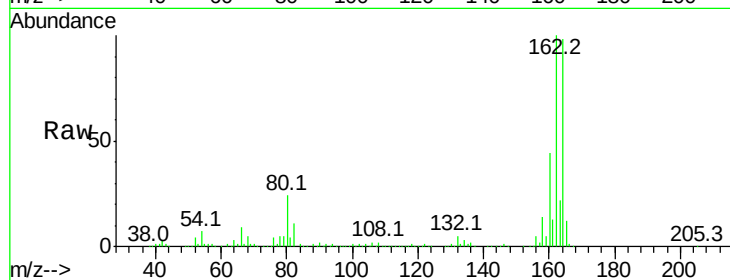
Tot Ion:164 Resp: 237757

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

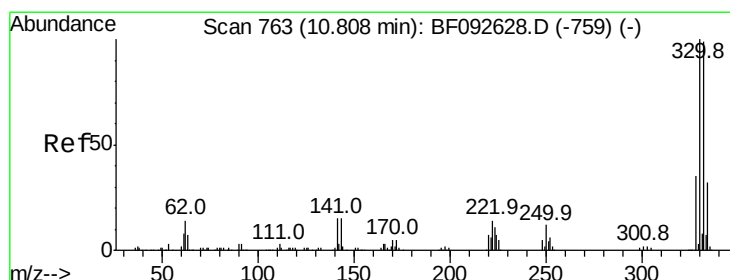
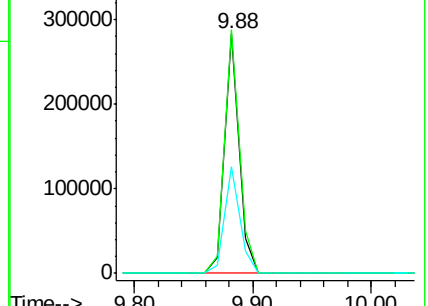
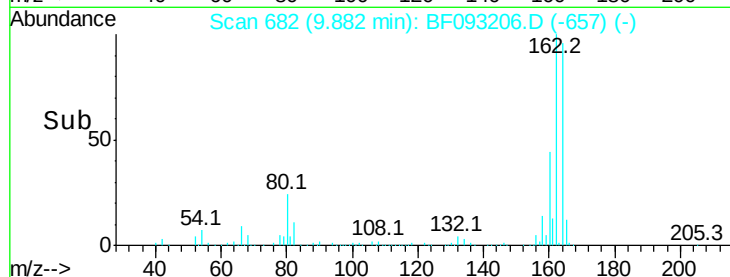
160 44.4 36.9 55.3



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: 85.30 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

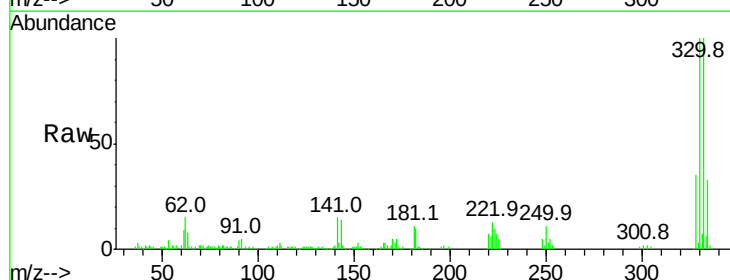
Tgt Ion:330 Resp: 146688

Ion Ratio Lower Upper

330 100

332 99.2 77.4 116.2

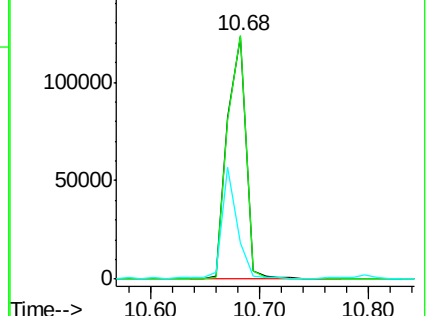
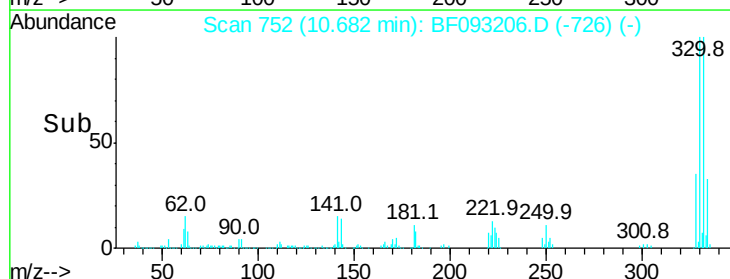
141 38.5 34.1 51.1

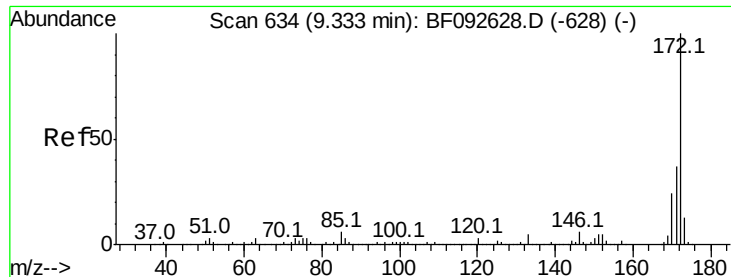


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



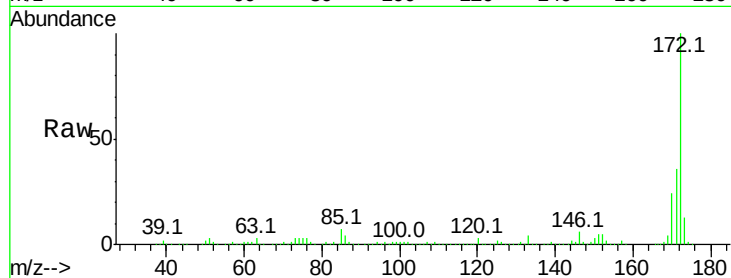


#44
 2-Fluorobiphenyl
 Concen: 78.67 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

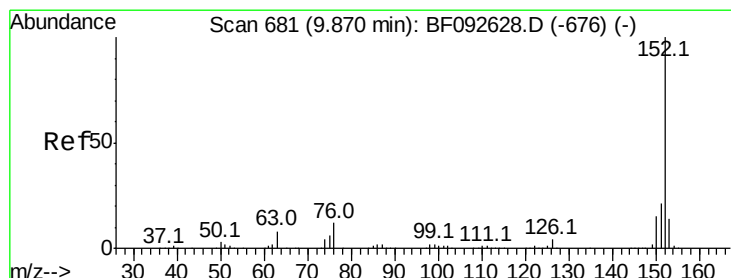
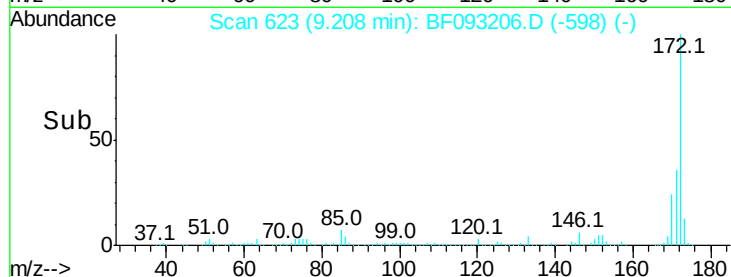
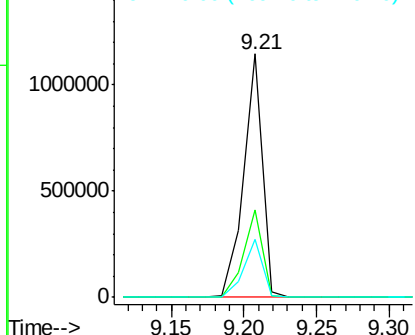
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

Tot Ion:172 Resp: 1032396

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.0	20.2	30.4



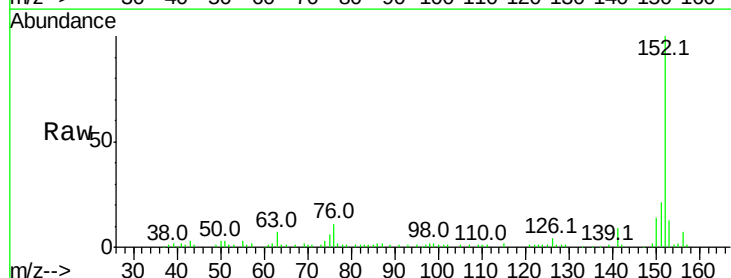
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



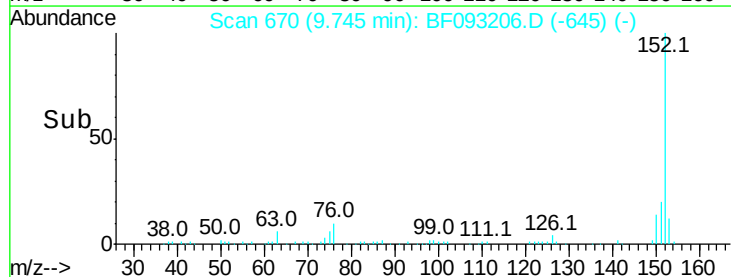
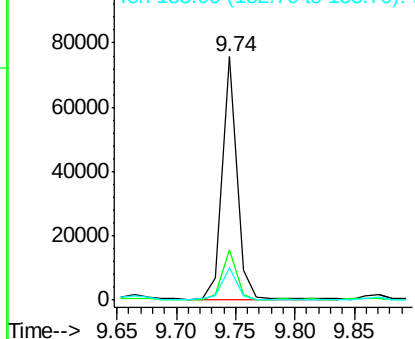
#48
 Acenaphthylene
 Concen: 2.84 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

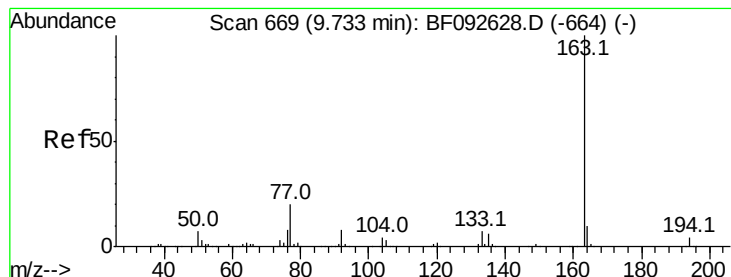
Tgt Ion:152 Resp: 66092

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	13.2	11.4	17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 10.48 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

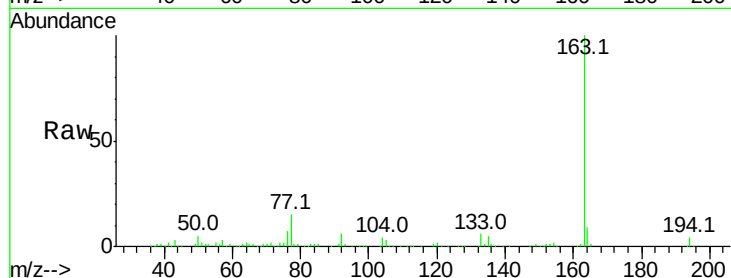
Tot Ion:163 Resp: 167811

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

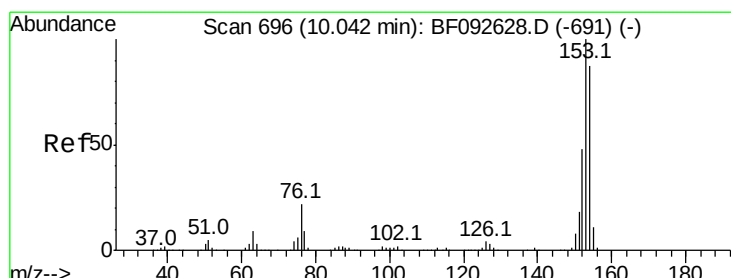
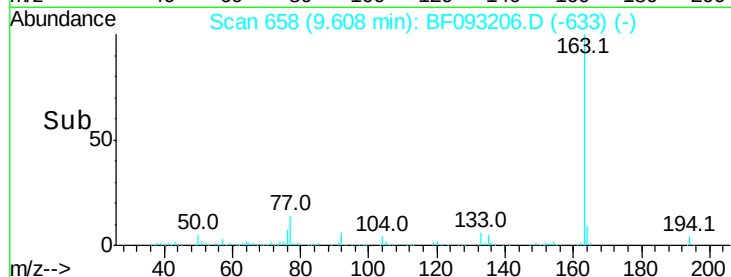
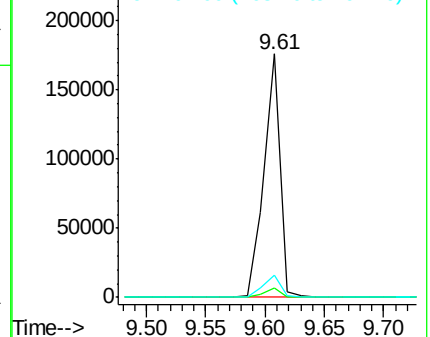
164 9.0 8.0 12.0



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: 4.38 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

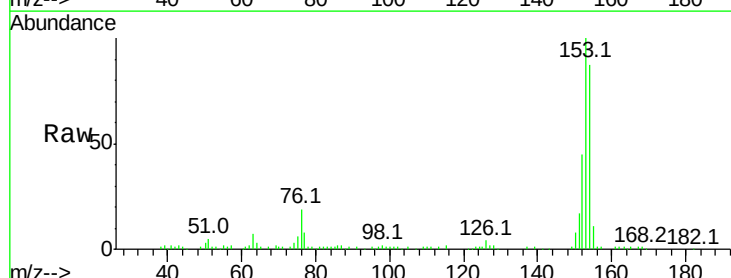
Tgt Ion:154 Resp: 60905

Ion Ratio Lower Upper

154 100

153 115.2 88.6 133.0

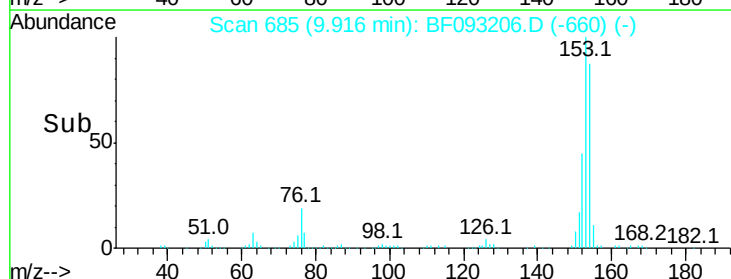
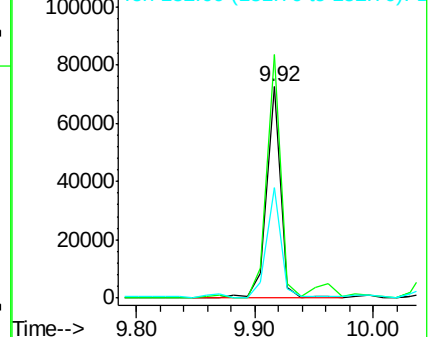
152 52.0 41.6 62.4

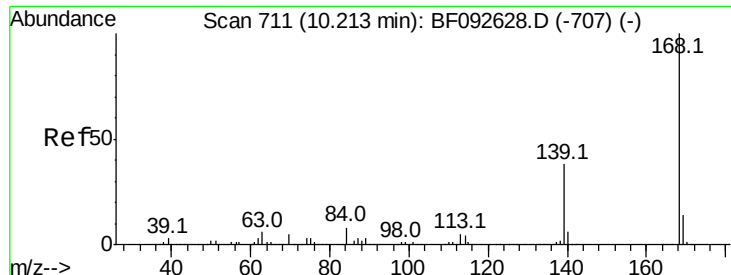


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 3.42 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

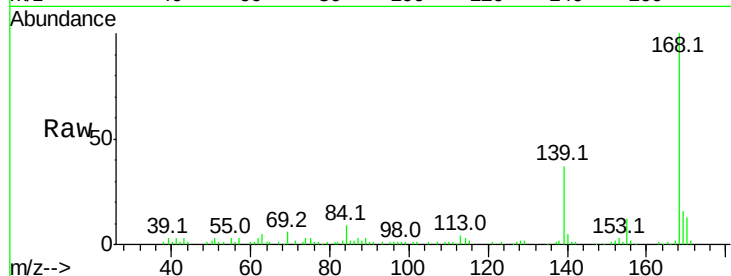
Tot Ion:168 Resp: 63610

Ion Ratio Lower Upper

168 100

139 37.0 32.6 49.0

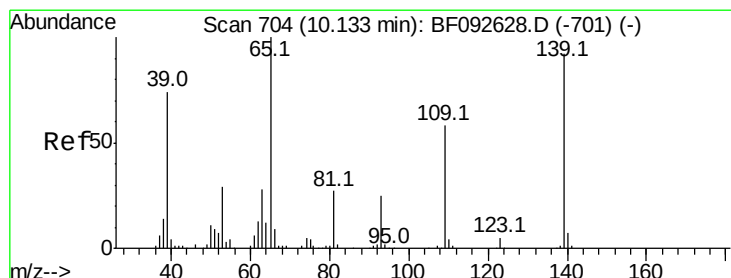
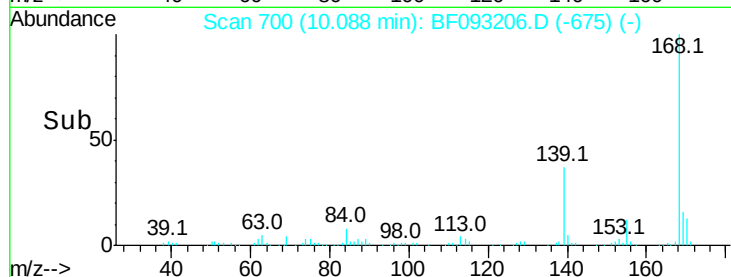
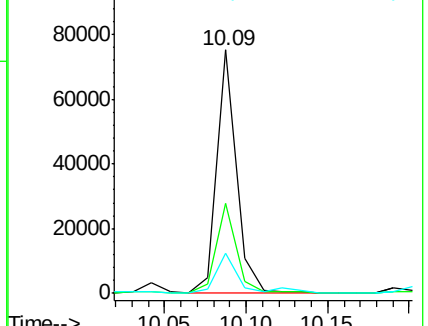
169 16.3 11.3 16.9



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: 8.60 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.07 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

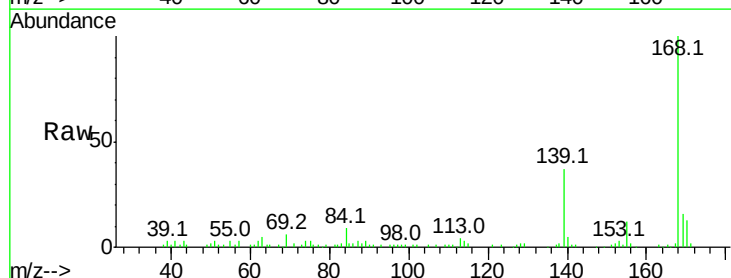
Tgt Ion:139 Resp: 24523

Ion Ratio Lower Upper

139 100

109 3.1 52.2 92.2#

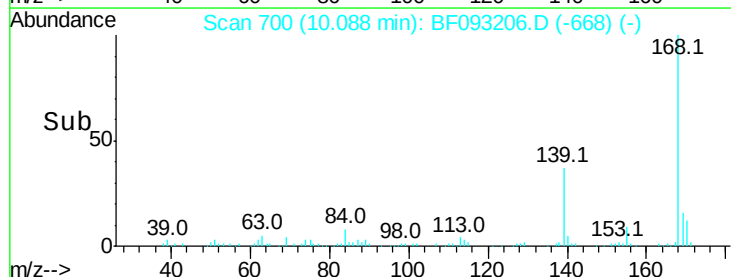
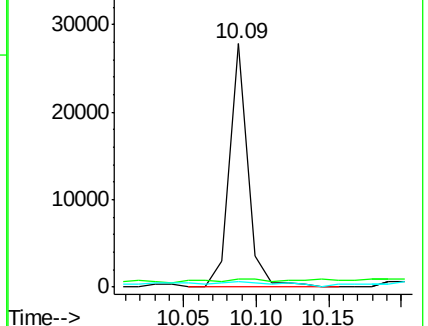
65 2.4 85.8 125.8#

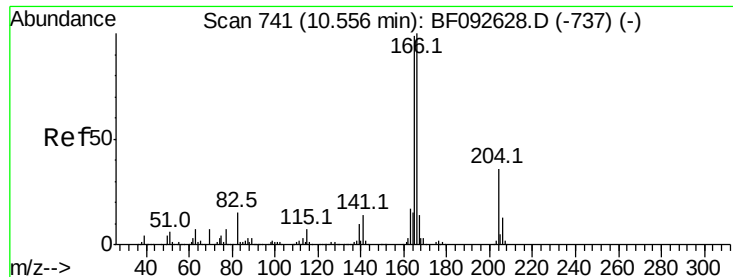


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

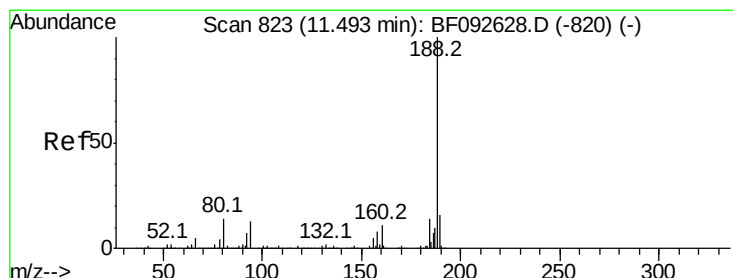
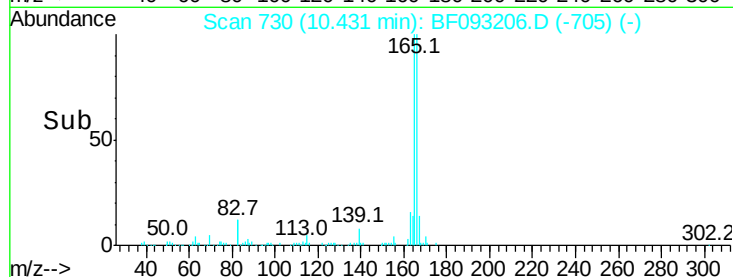
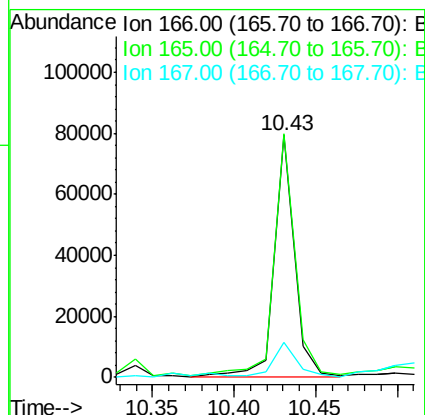
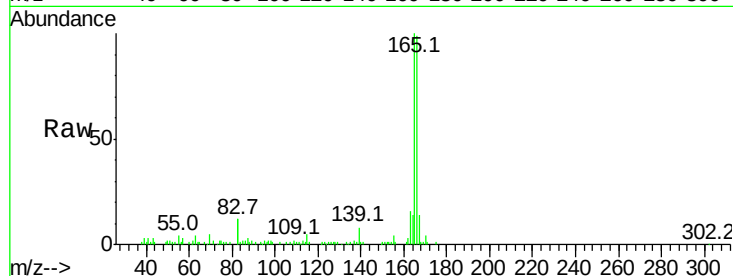




#57
 Fluorene
 Concen: 4.84 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

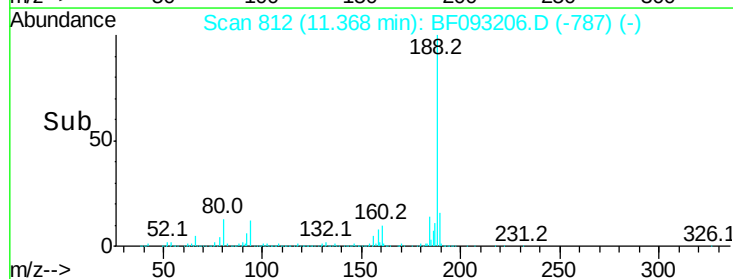
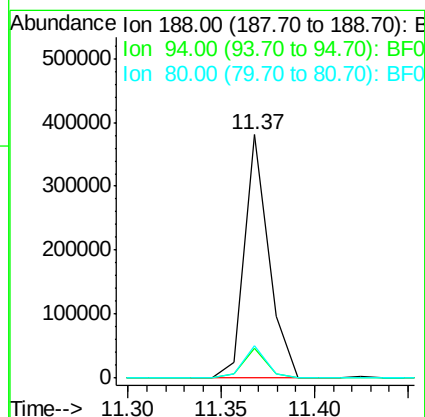
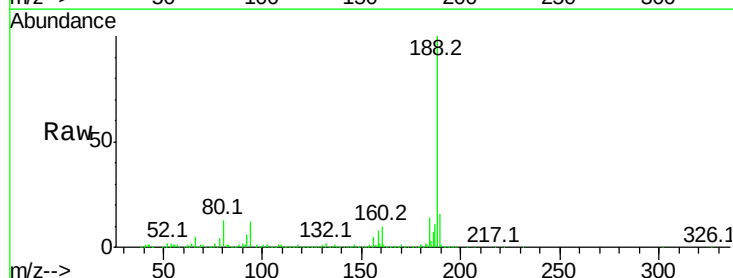
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

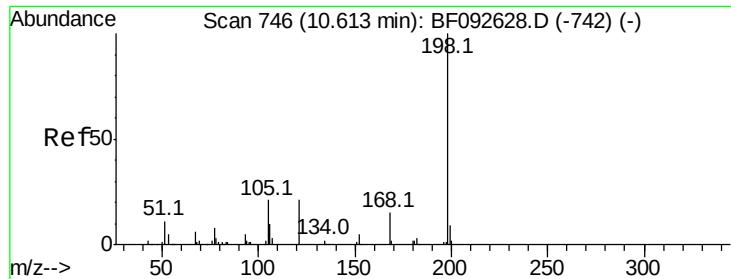
Tot Ion:166 Resp: 69299
 Ion Ratio Lower Upper
 166 100
 165 100.7 77.8 116.8
 167 14.5 10.8 16.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Tgt Ion:188 Resp: 346201
 Ion Ratio Lower Upper
 188 100
 94 12.5 10.0 15.0
 80 13.4 11.2 16.8

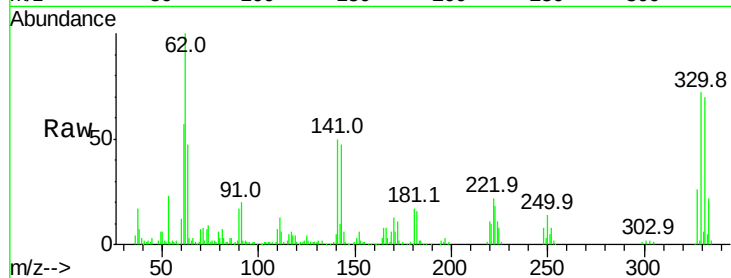




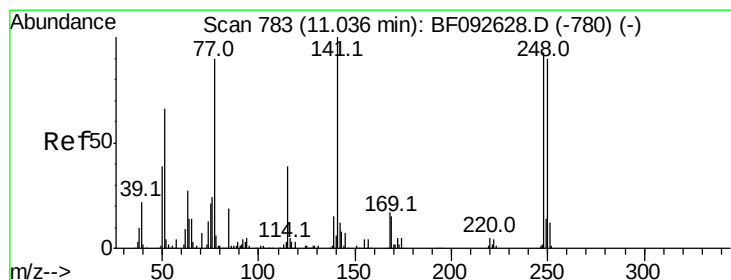
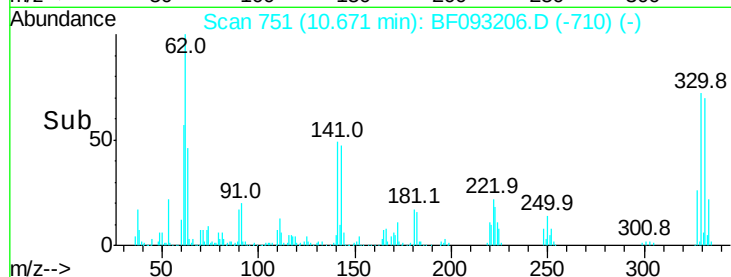
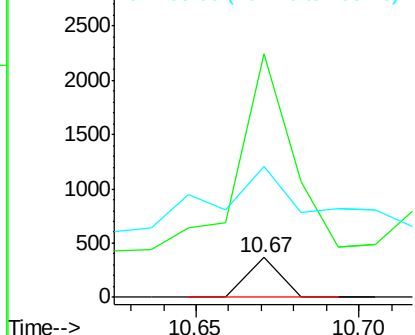
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.78 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.17 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

Tot Ion:198 Resp: 250
 Ion Ratio Lower Upper
 198 100
 51 616.5 6.7 46.7#
 105 330.8 16.6 56.6#

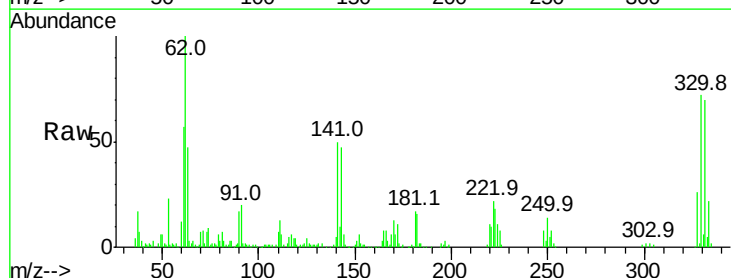


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

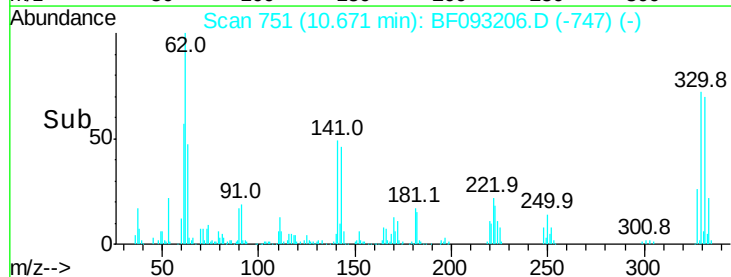
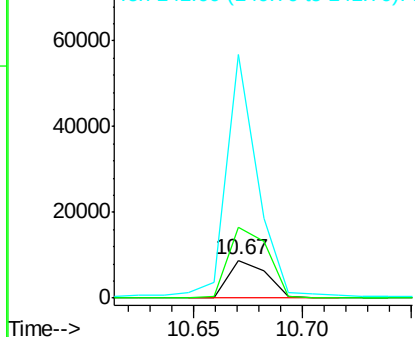


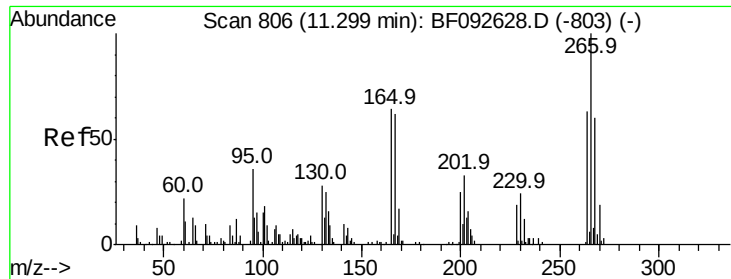
#66
 4-Bromophenyl-phenylether
 Concen: 2.95 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Tgt Ion:248 Resp: 10661
 Ion Ratio Lower Upper
 248 100
 250 186.8 76.9 115.3#
 141 641.4 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

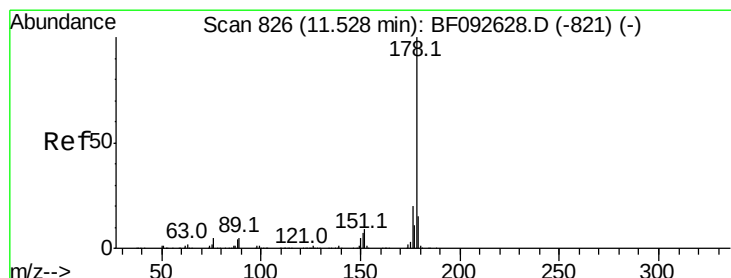
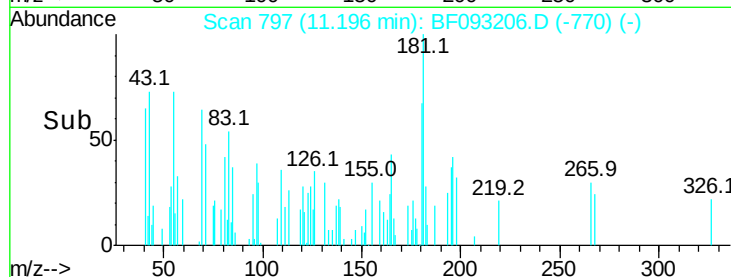
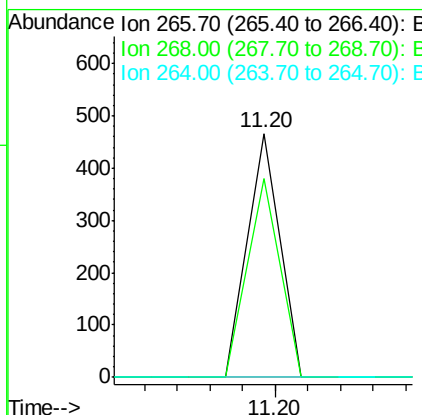
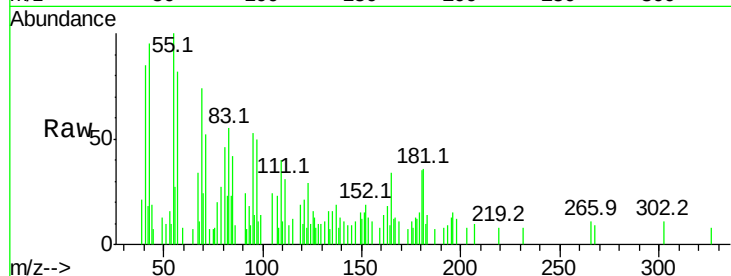




#69
 Pentachlorophenol
 Concen: 7.36 ng
 RT: 11.20 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

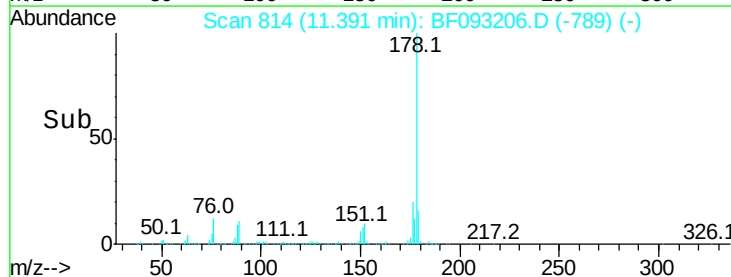
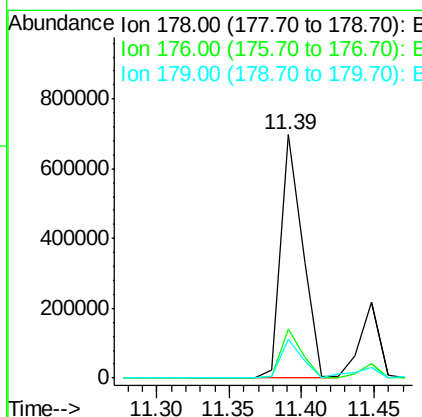
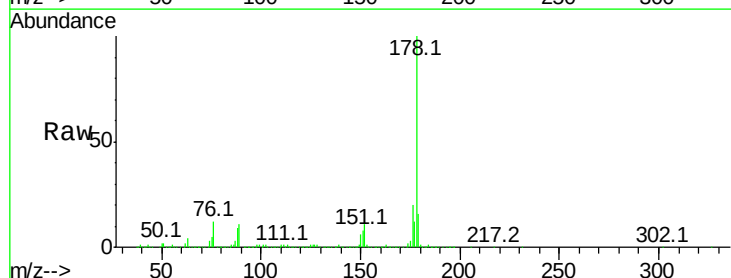
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

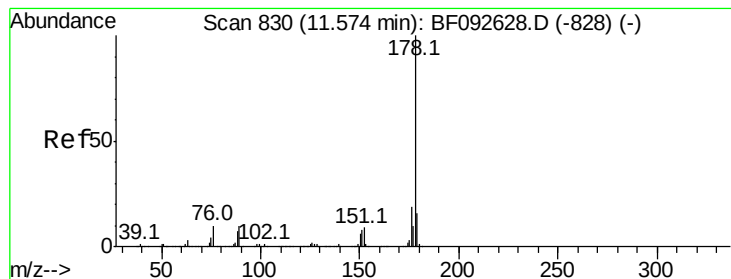
Tot Ion:266 Resp: 320
 Ion Ratio Lower Upper
 266 100
 268 81.8 53.3 79.9#
 264 0.0 50.3 75.5#



#70
 Phenanthrene
 Concen: 36.75 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Tgt Ion:178 Resp: 728971
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 15.8 12.8 19.2





#71

Anthracene

Concen: 10.40 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

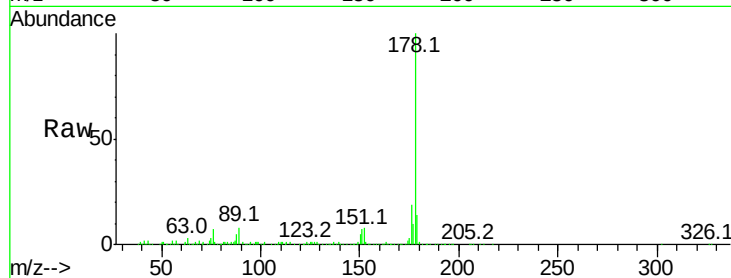
Tot Ion:178 Resp: 207195

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

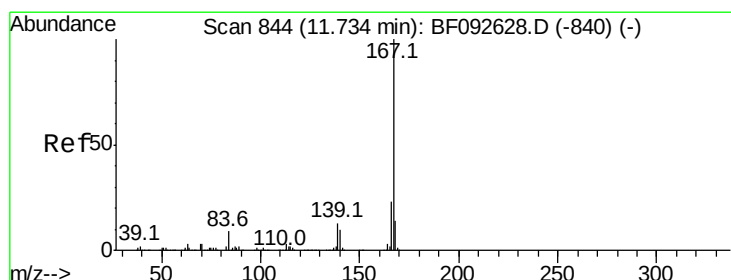
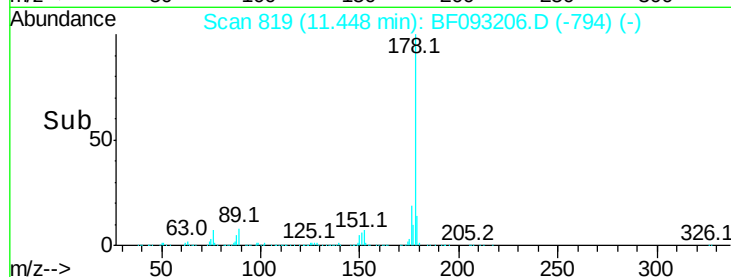
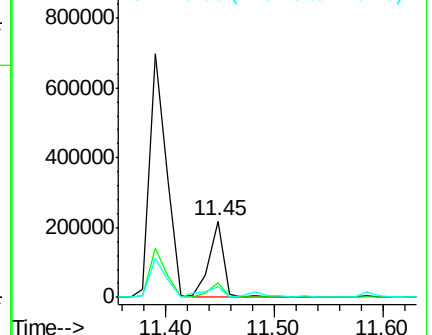
179 14.5 13.2 19.8



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



#72

Carbazole

Concen: 3.47 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

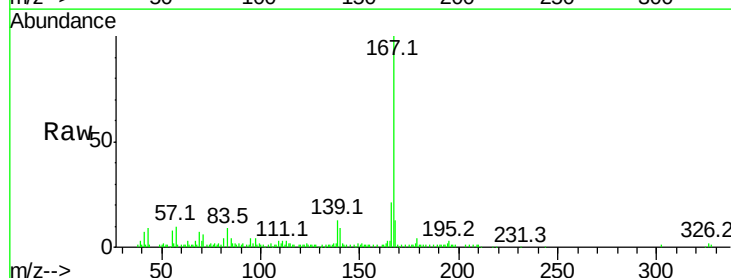
Tgt Ion:167 Resp: 66135

Ion Ratio Lower Upper

167 100

166 20.9 18.2 27.2

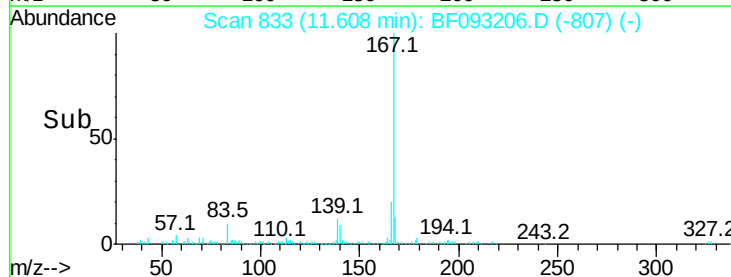
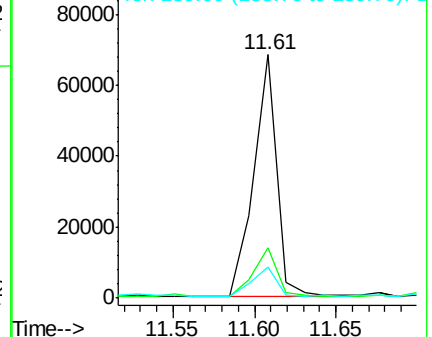
139 12.7 11.4 17.2

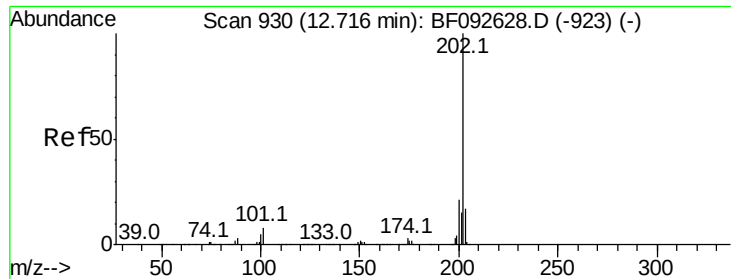


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 40.35 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

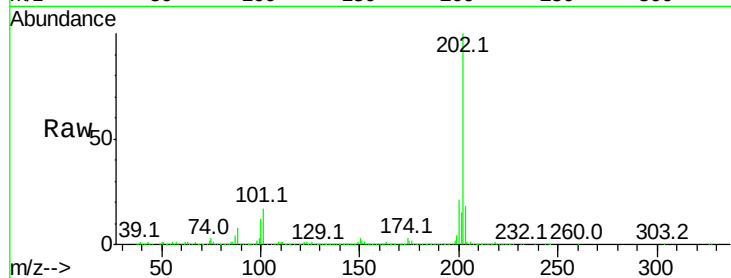
Tot Ion:202 Resp: 825549

Ion Ratio Lower Upper

202 100

101 16.6 0.0 34.6

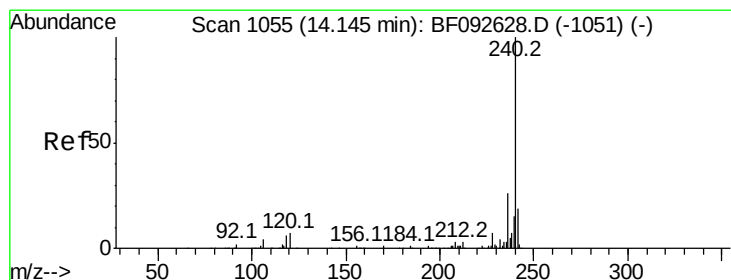
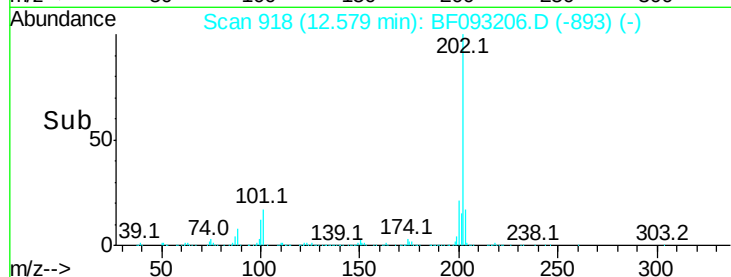
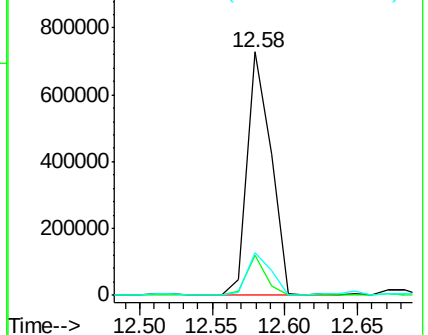
203 17.5 0.0 38.7



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: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

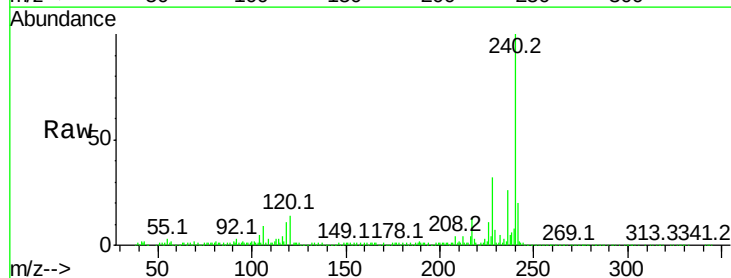
Tgt Ion:240 Resp: 321202

Ion Ratio Lower Upper

240 100

120 13.5 12.9 19.3

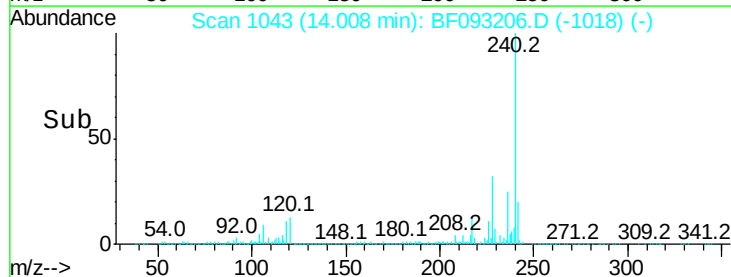
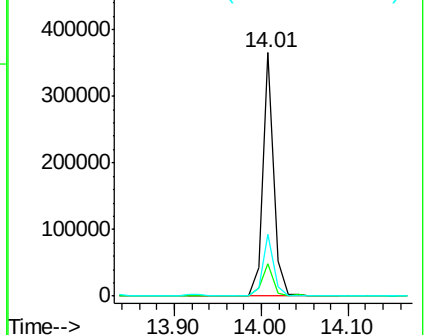
236 25.6 20.9 31.3

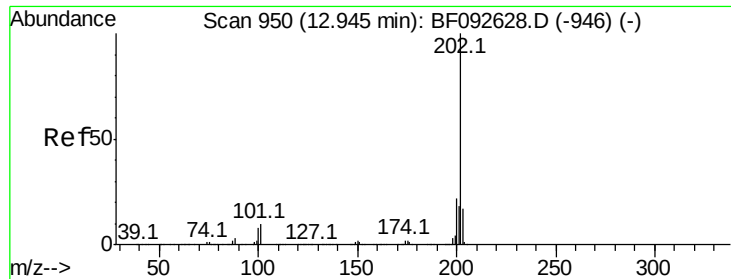


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 31.98 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

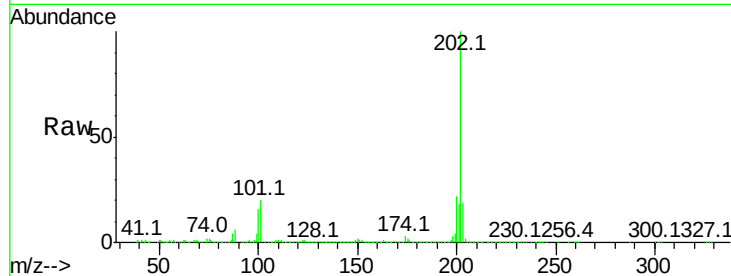
Tot Ion:202 Resp: 768609

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

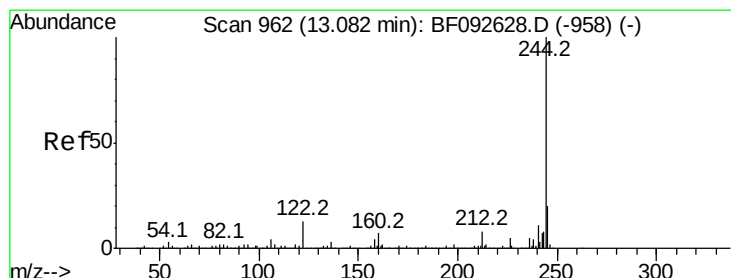
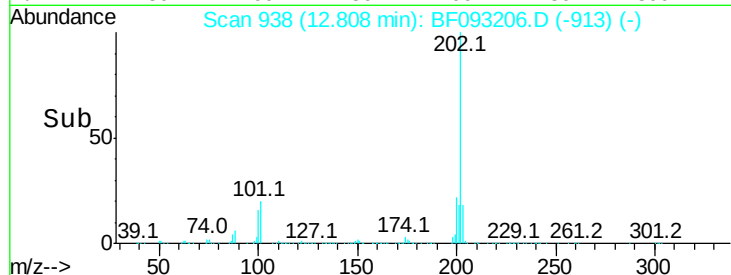
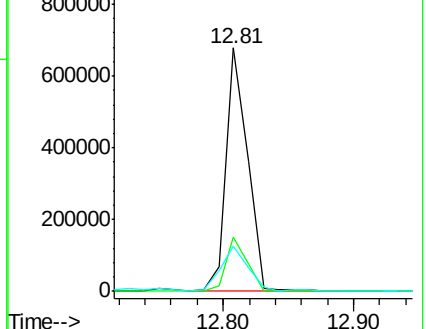
203 18.7 14.7 22.1



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: 47.93 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

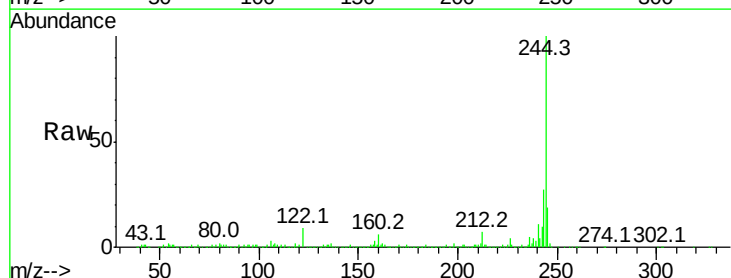
Tgt Ion:244 Resp: 655217

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

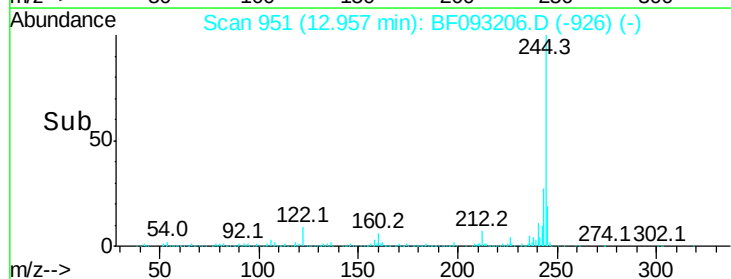
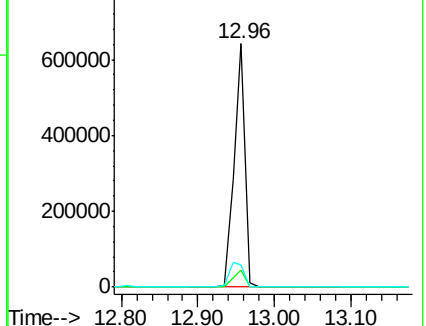
122 9.3 11.4 17.2#

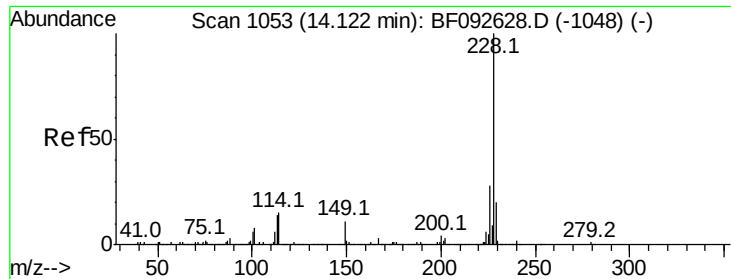


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 23.92 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

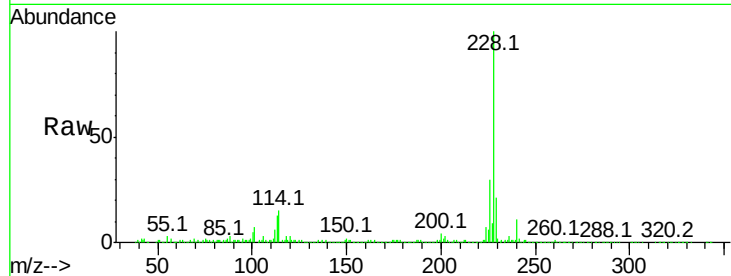
Tot Ion:228 Resp: 469867

Ion Ratio Lower Upper

228 100

226 29.9 22.4 33.6

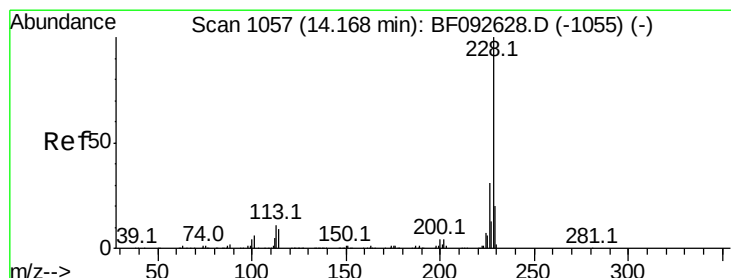
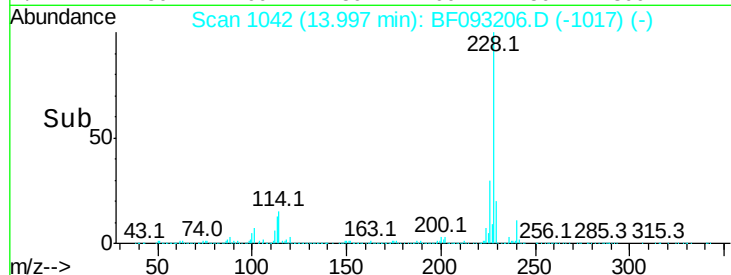
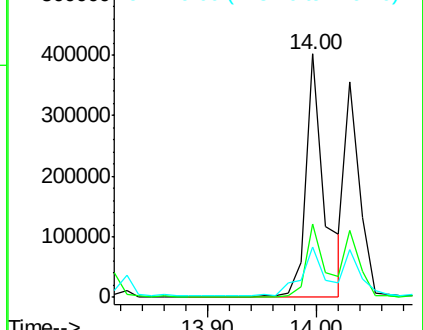
229 20.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 18.35 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

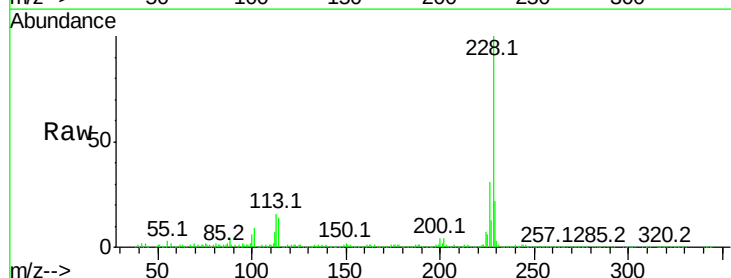
Tgt Ion:228 Resp: 337537

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

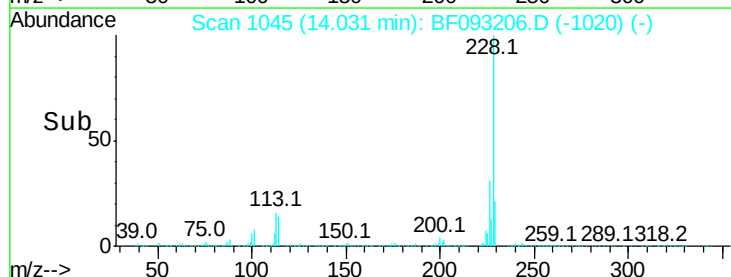
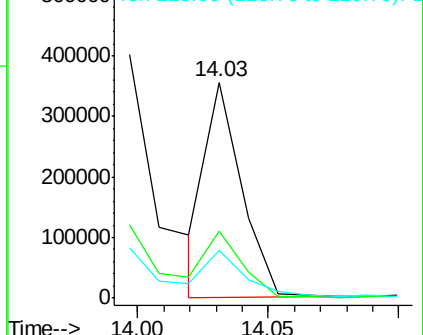
229 21.9 16.2 24.2

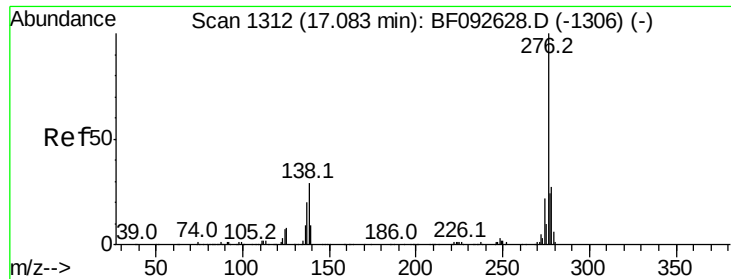


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

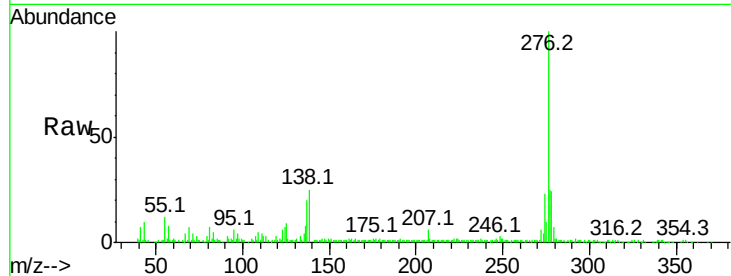




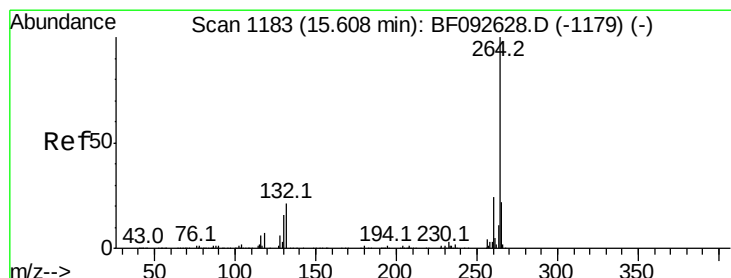
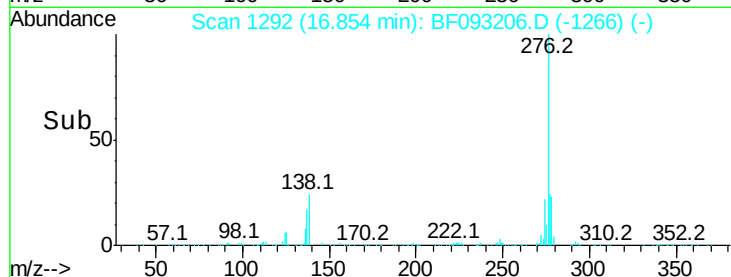
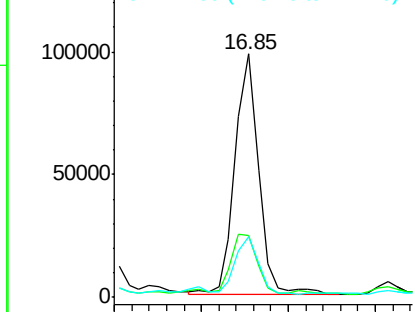
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.11 ng
RT: 16.85 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BF093206.D
Acq: 27 Feb 2017 13:58

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-SOUTHSW-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	22.5	20.2	30.4

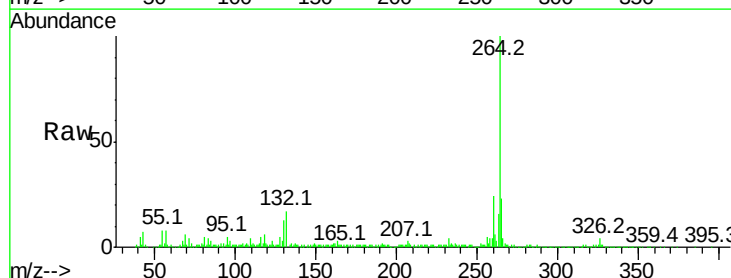


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

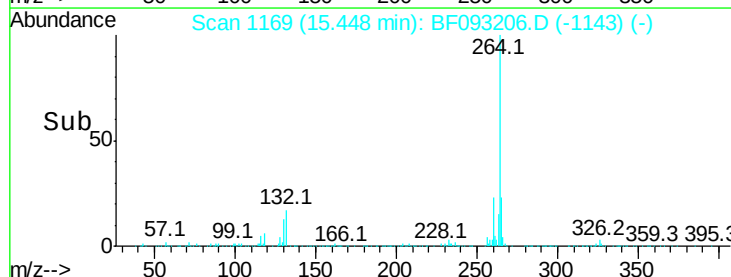
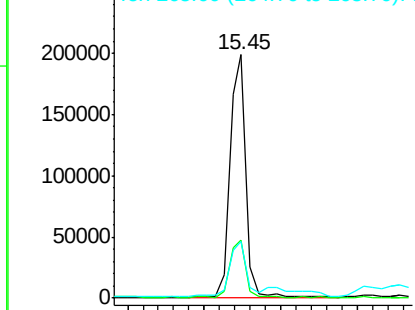


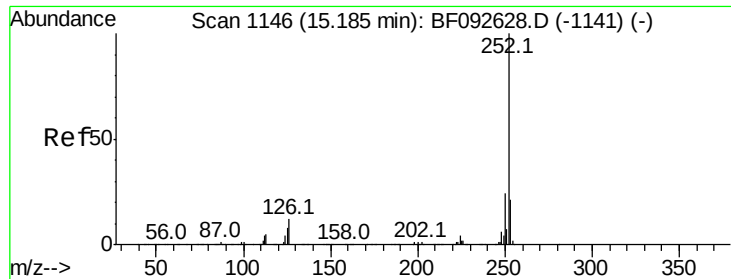
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093206.D
Acq: 27 Feb 2017 13:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.1	17.4	26.0



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





#87

Benzo(b)fluoranthene

Concen: 34.92 ng

RT: 15.04 min Scan# 1133

Delta R.T. 0.00 min

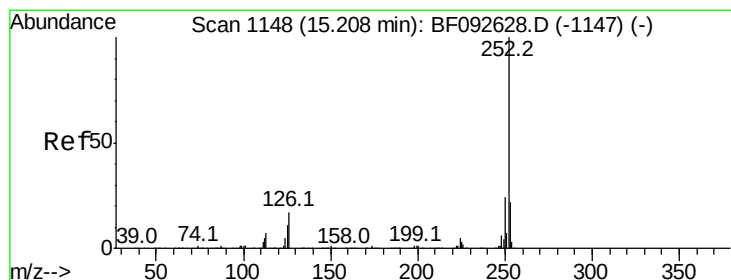
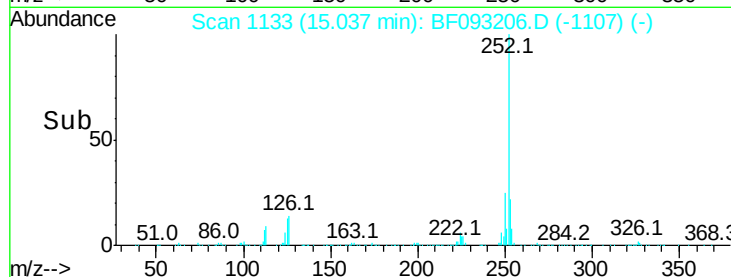
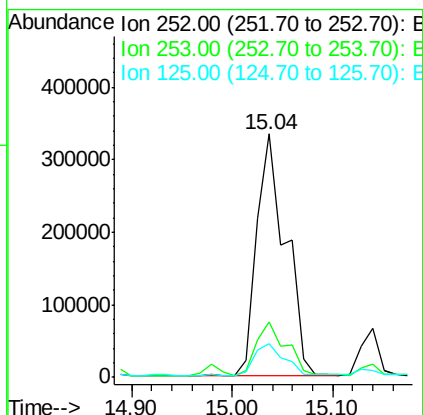
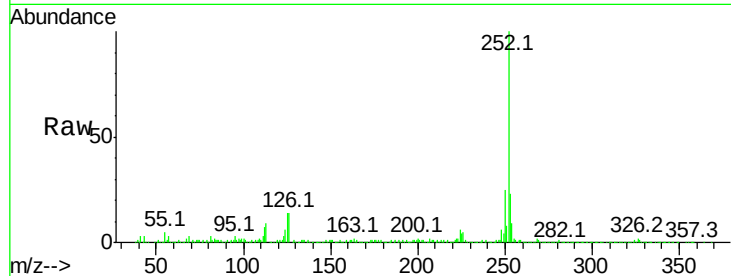
Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-SOUTHSW-1

Tot Ion:252 Resp: 668907

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.0	9.8	14.6



#88

Benzo(k)fluoranthene

Concen: 40.45 ng

RT: 15.04 min Scan# 1133

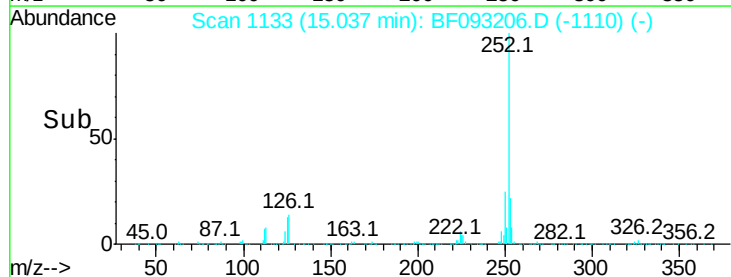
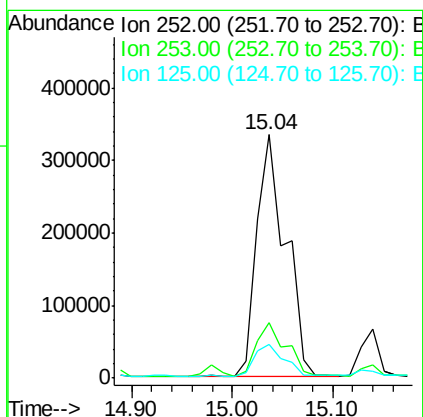
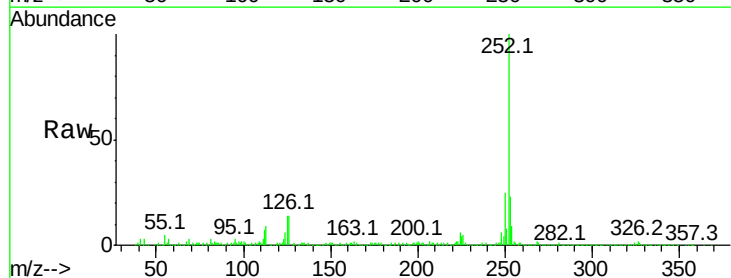
Delta R.T. -0.03 min

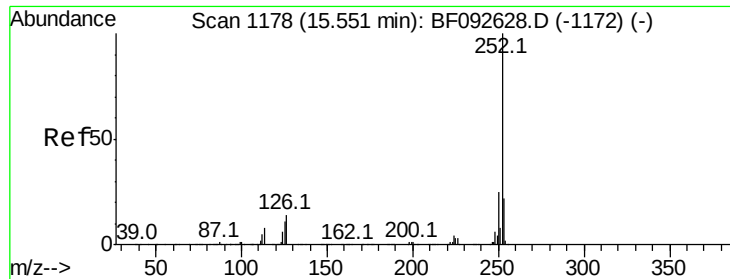
Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Tgt Ion:252 Resp: 668907

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	14.0	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 21.99 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-SOUTHSW-1

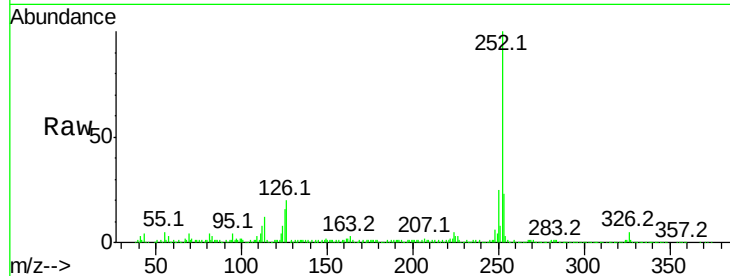
Tot Ion:252 Resp: 364244

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

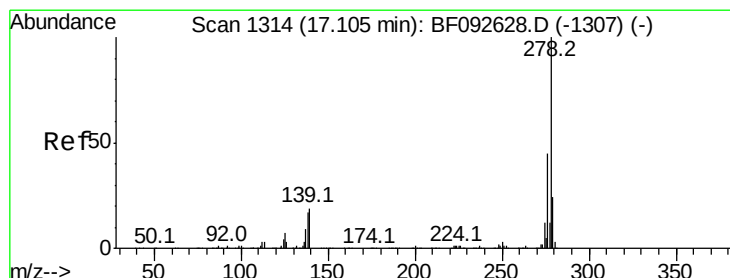
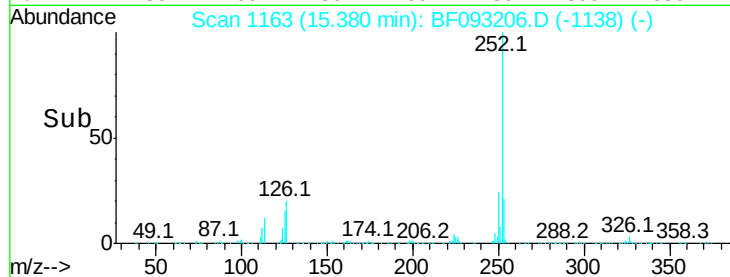
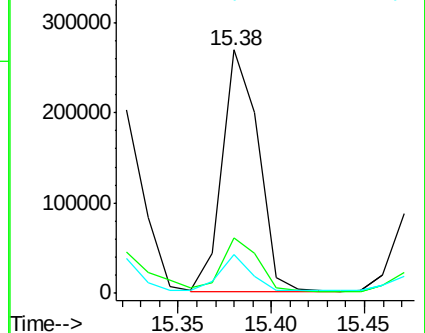
125 16.2 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.86 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF093206.D

Acq: 27 Feb 2017 13:58

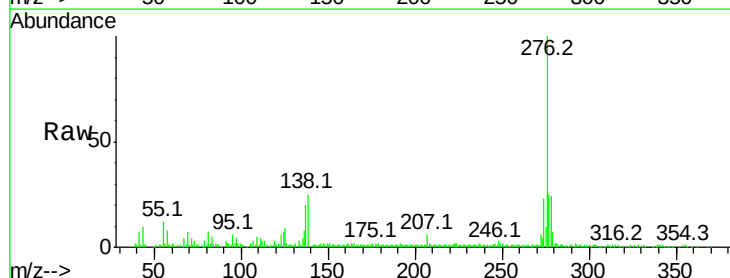
Tgt Ion:278 Resp: 51724

Ion Ratio Lower Upper

278 100

139 0.0 14.8 22.2#

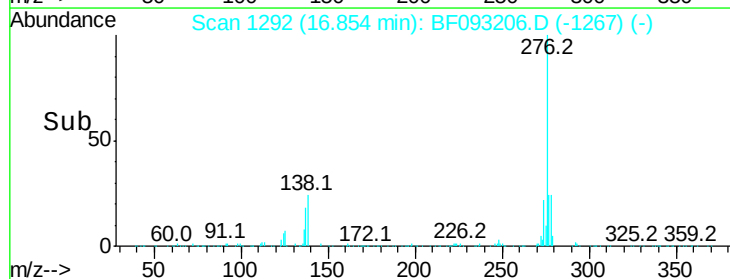
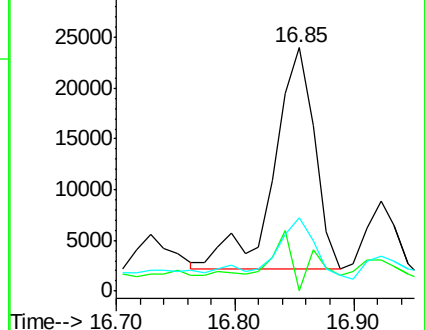
279 30.2 19.8 29.6#

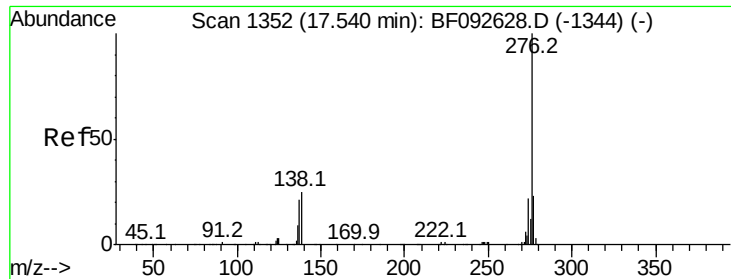


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 12.77 ng
 RT: 17.28 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF093206.D
 Acq: 27 Feb 2017 13:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-SOUTHSW-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	30.6	16.0	24.0

