

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093280.D
 Acq On : 1 Mar 2017 8:17
 Operator : SJ/MA
 Sample : I1972-13
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 09:47:30 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	6.81	152	127465	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	459127	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	180576	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	328891	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	267334	20.00	ng	-0.03
86) Perylene-d12	15.41	264	177036	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	706295	95.06	ng	-0.03
7) Phenol-d6	6.46	99	846780	88.58	ng	-0.02
23) Nitrobenzene-d5	7.38	82	461747	56.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	123722	94.73	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	774661	77.72	ng	-0.05
78) Terphenyl-d14	12.92	244	611499	53.75	ng	-0.05

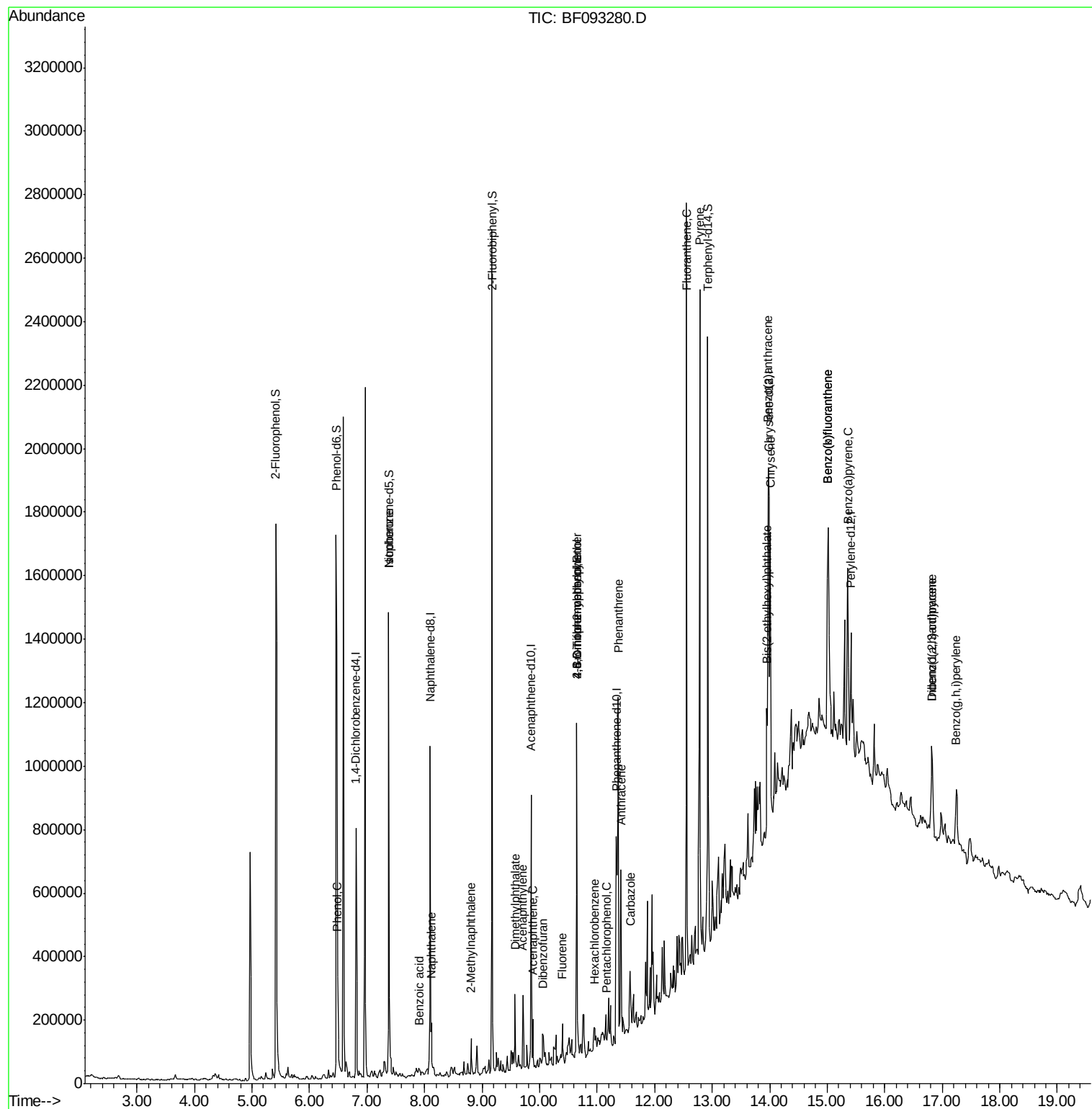
Target Compounds				Qvalue		
10) Phenol	6.49	94	42198	3.77	ng	78
25) Isophorone	7.38	82	422257	27.48	ng	# 65
31) Naphthalene	8.12	128	64836	2.79	ng	98
32) Benzoic acid	7.92	122	5768	8.39	ng	# 67
37) 2-Methylnaphthalene	8.81	142	36755	2.46	ng	98
48) Acenaphthylene	9.71	152	99924	5.65	ng	97
49) Dimethylphthalate	9.57	163	84910	6.98	ng	99
51) Acenaphthene	9.88	154	30750	2.91	ng	95
54) Dibenzofuran	10.05	168	31698	2.24	ng	# 94
57) Fluorene	10.40	166	35238	3.24	ng	# 97
64) 4,6-Dinitro-2-methylphenol	10.65	198	524	2.92	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9670	2.81	ng	# 1
67) Hexachlorobenzene	10.96	284	7575	2.23	ng	94
69) Pentachlorophenol	11.16	266	1431	7.94	ng	95
70) Phenanthrene	11.37	178	546042	28.98	ng	97
71) Anthracene	11.41	178	203518	10.76	ng	98
72) Carbazole	11.57	167	73002	4.04	ng	99
74) Fluoranthene	12.56	202	918314	47.25	ng	98
77) Pyrene	12.79	202	868377	43.41	ng	99
80) Benzo(a)anthracene	13.97	228	489867	29.96	ng	97
82) Chrysene	14.01	228	321616	21.01	ng	97
83) Bis(2-ethylhexyl)phthalate	13.95	149	108377	9.75	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	173458	14.63	ng	97
87) Benzo(b)fluoranthene	15.01	252	550968	47.28	ng	# 97
88) Benzo(k)fluoranthene	15.01	252	550968	54.76	ng	# 96
89) Benzo(a)pyrene	15.36	252	271316	26.92	ng	# 94
90) Dibenzo(a,h)anthracene	16.82	278	45336	5.57	ng	# 66
91) Benzo(g,h,i)perylene	17.24	276	164316	19.97	ng	# 86

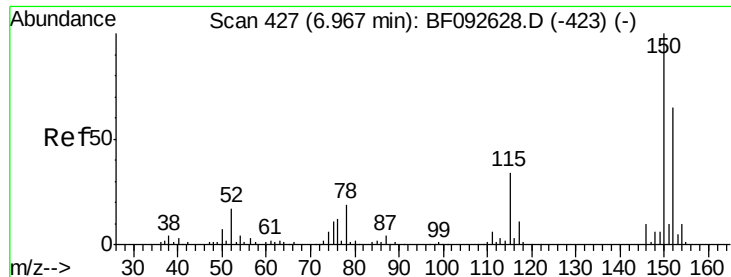
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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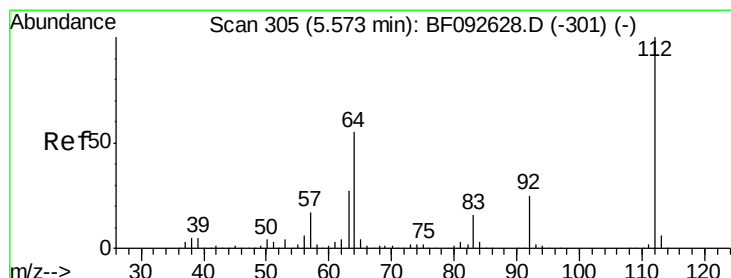
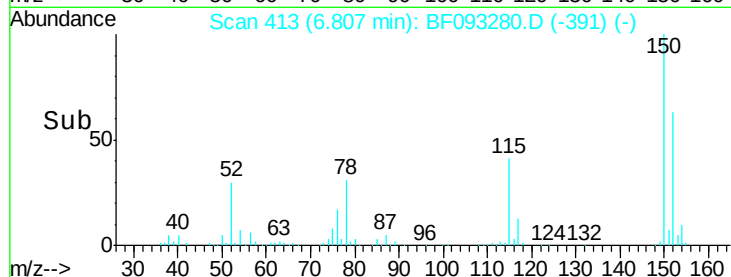
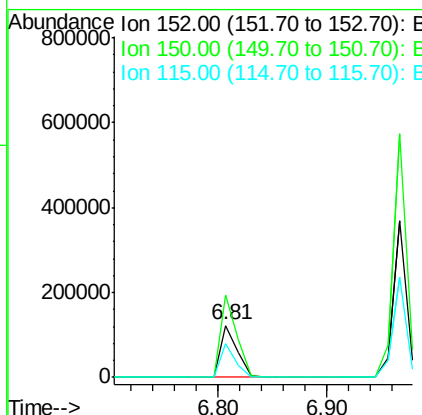
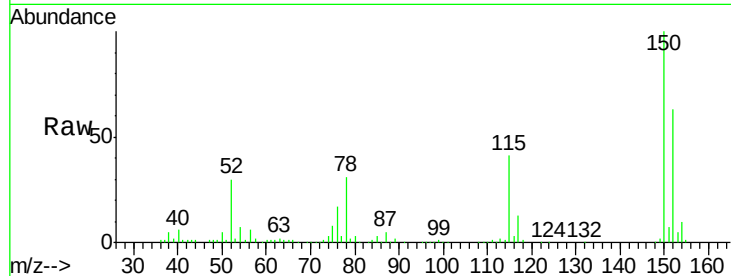


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Instrument :
BNA_F
ClientSampleId :

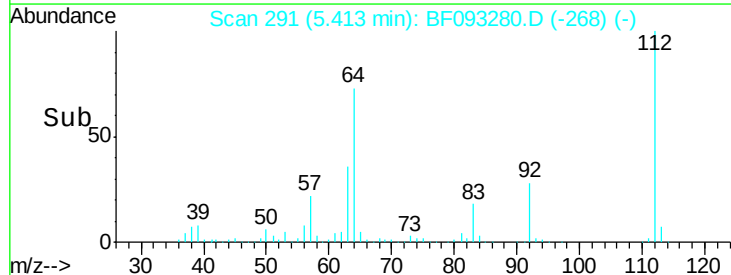
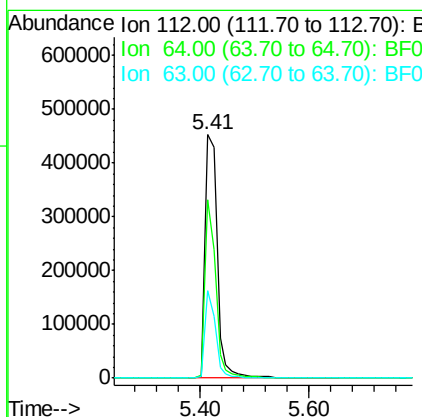
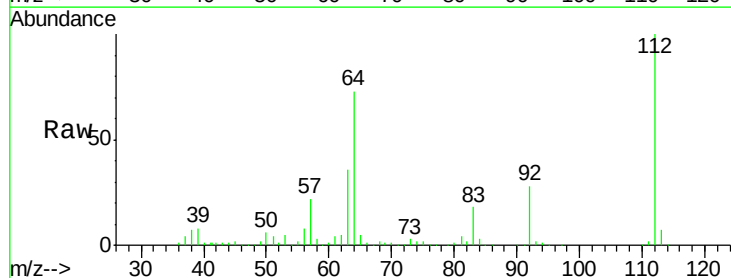
Tot Ion:152 Resp: 127465
Ion Ratio Lower Upper
152 100
150 157.8 124.9 187.3
115 64.8 46.0 69.0

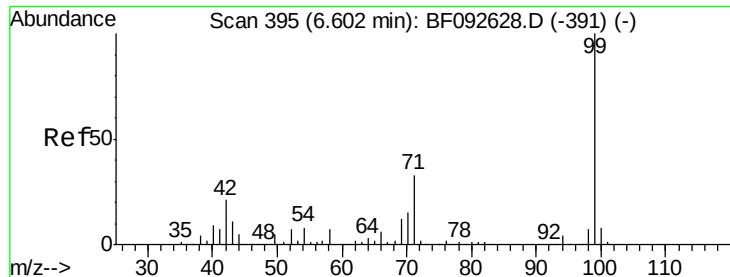


#5

2-Fluorophenol
Concen: 95.06 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Tgt Ion:112 Resp: 706295
Ion Ratio Lower Upper
112 100
64 73.1 46.1 69.1#
63 35.7 23.8 35.6#





#7

Phenol-d6

Concen: 88.58 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

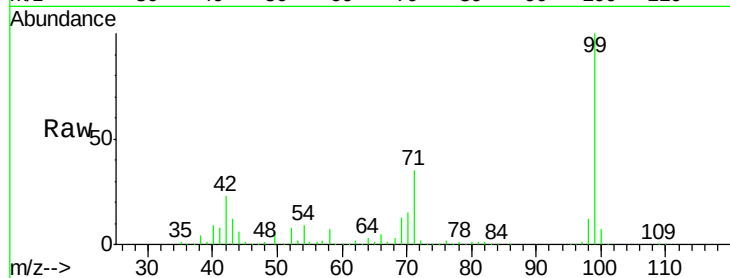
Tot Ion: 99 Resp: 846780

Ion Ratio Lower Upper

99 100

42 23.1 15.6 23.4

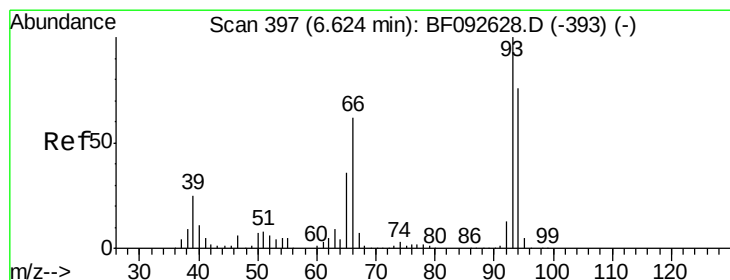
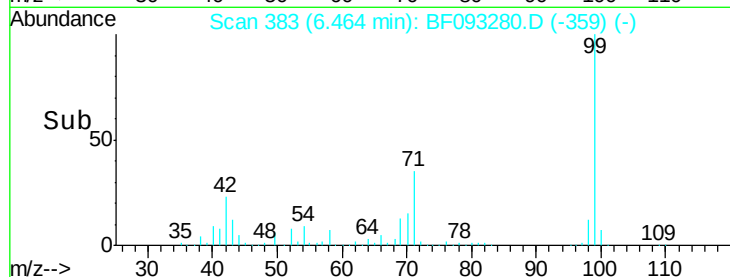
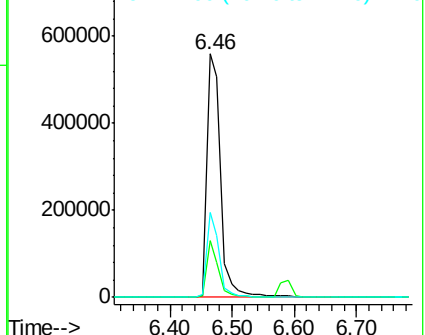
71 34.7 27.5 41.3



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: 3.77 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

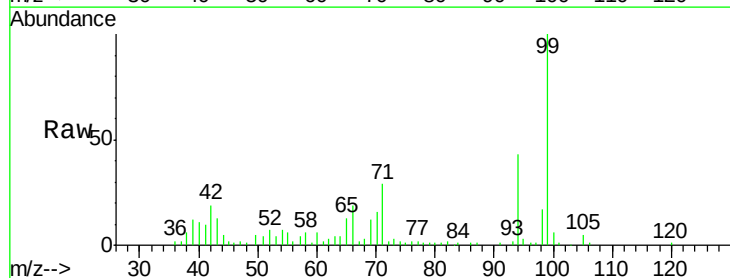
Tgt Ion: 94 Resp: 42198

Ion Ratio Lower Upper

94 100

65 31.1 21.4 61.4

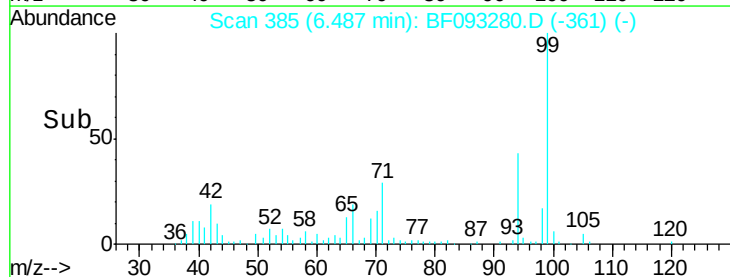
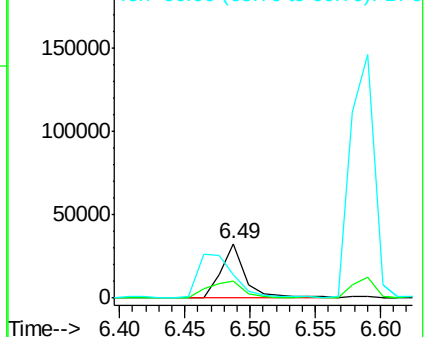
66 44.3 44.0 84.0

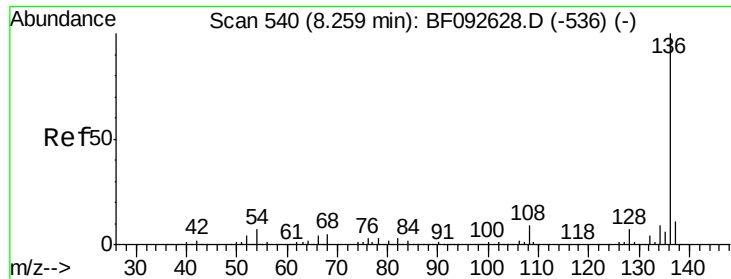


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

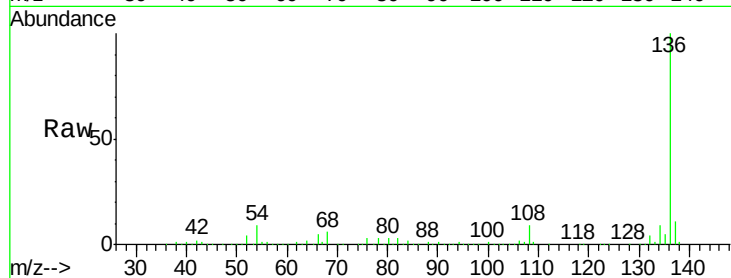




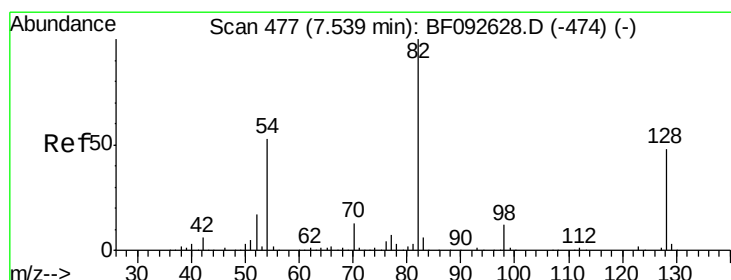
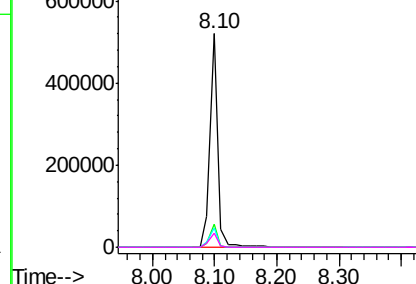
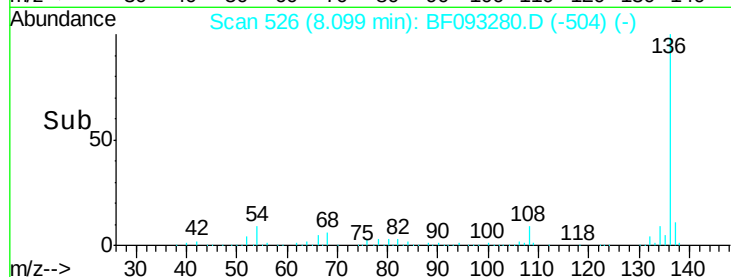
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	459127
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	9.1	4.5	6.7#
68	6.4	3.6	5.4#

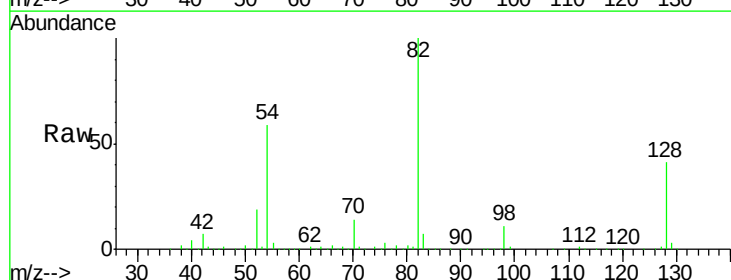


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

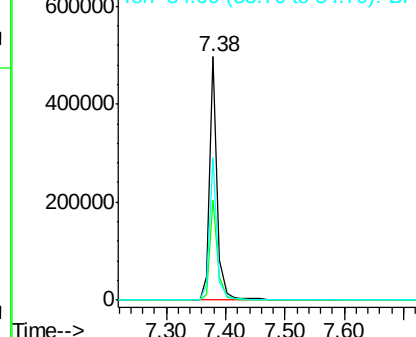
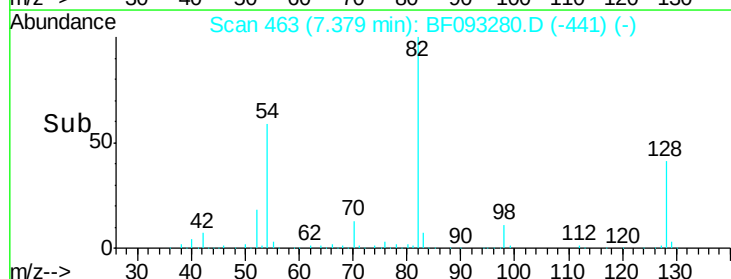


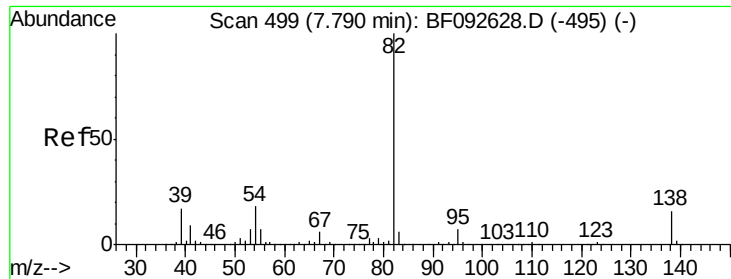
#23
Nitrobenzene-d5
Concen: 56.01 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Tgt Ion:	82	Resp:	461747
Ion Ratio	Lower	Upper	
82	100		
128	41.0	34.6	52.0
54	58.6	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: 27.48 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

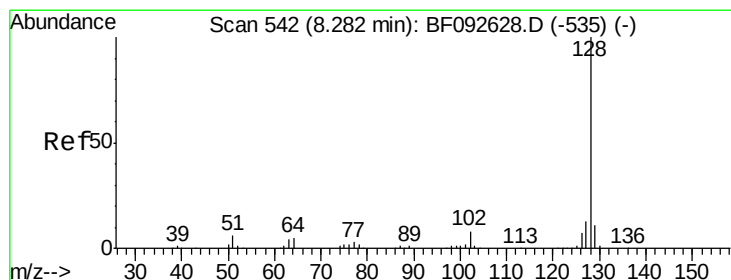
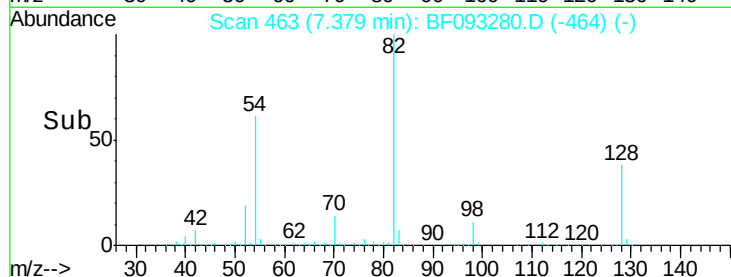
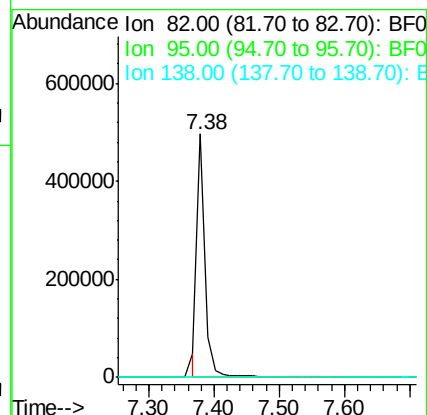
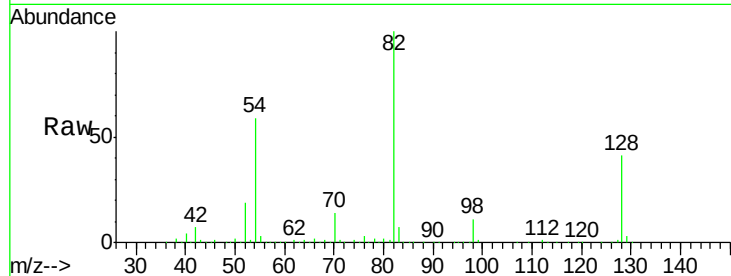
Tot Ion: 82 Resp: 422257

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#31

Naphthalene

Concen: 2.79 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

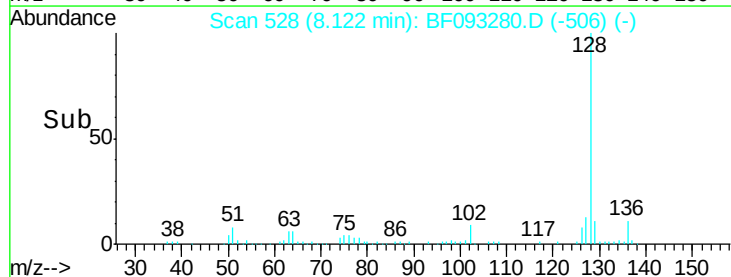
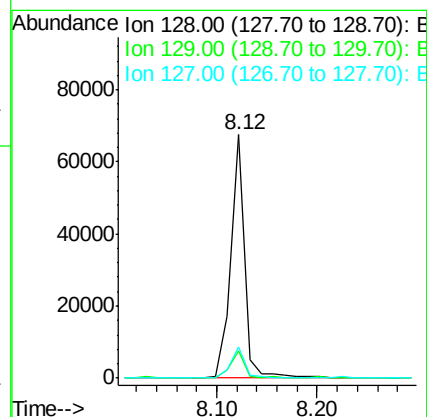
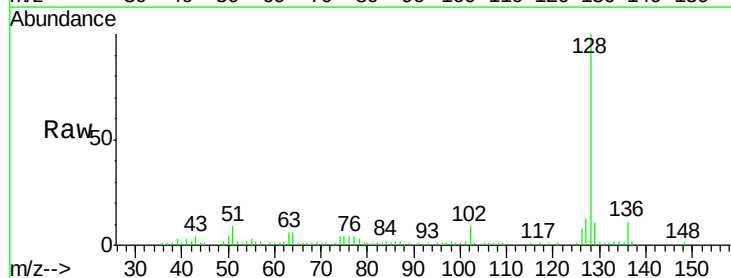
Tgt Ion: 128 Resp: 64836

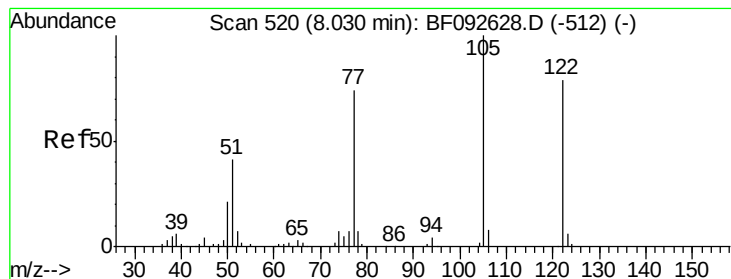
Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

127 12.7 10.8 16.2





#32

Benzoic acid

Concen: 8.39 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampled :

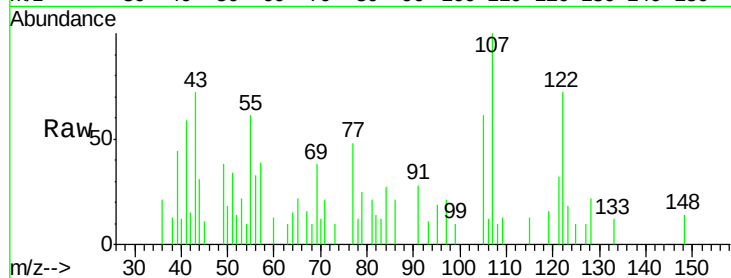
Tot Ion:122 Resp: 5768

Ion Ratio Lower Upper

122 100

105 85.1 107.2 147.2#

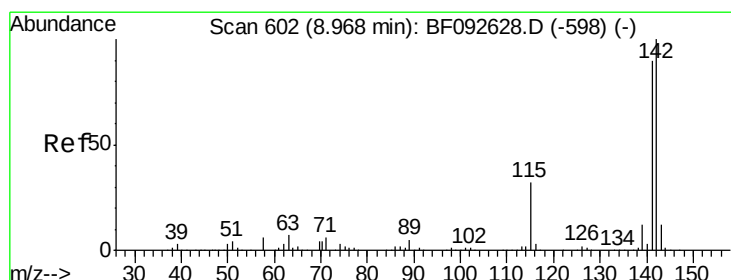
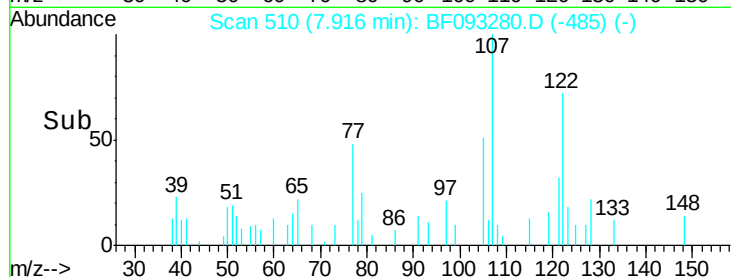
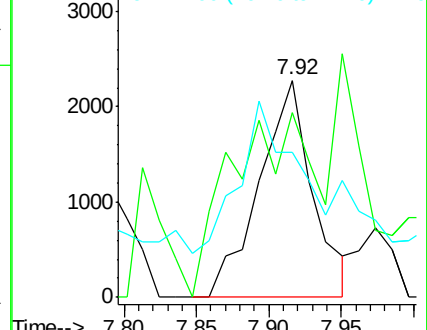
77 67.1 74.5 114.5#



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



#37

2-Methylnaphthalene

Concen: 2.46 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

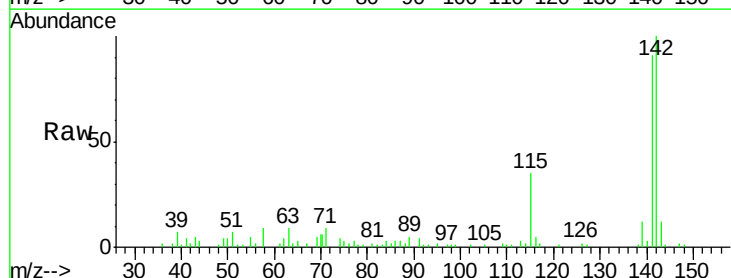
Tgt Ion:142 Resp: 36755

Ion Ratio Lower Upper

142 100

141 91.0 71.0 106.6

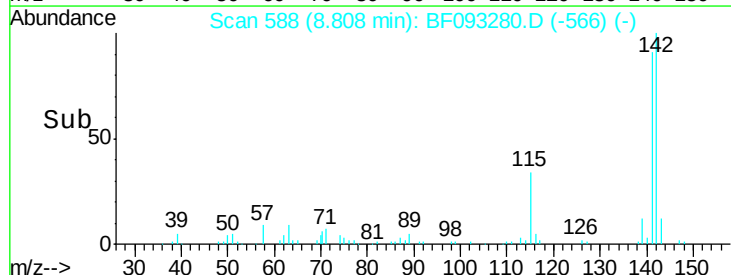
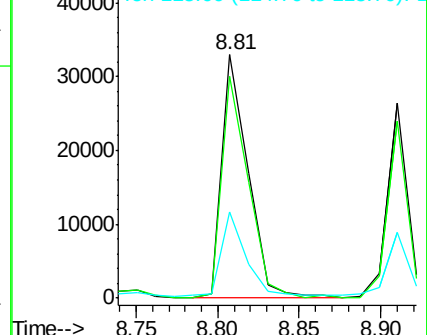
115 35.5 28.3 42.5

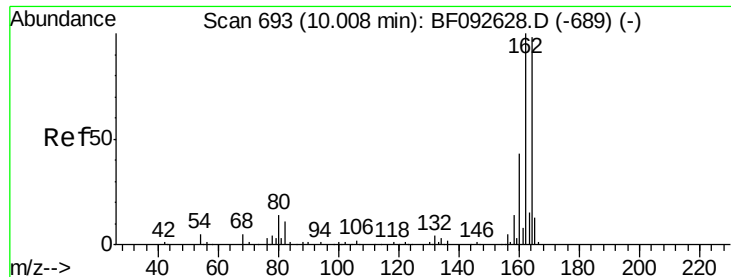


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

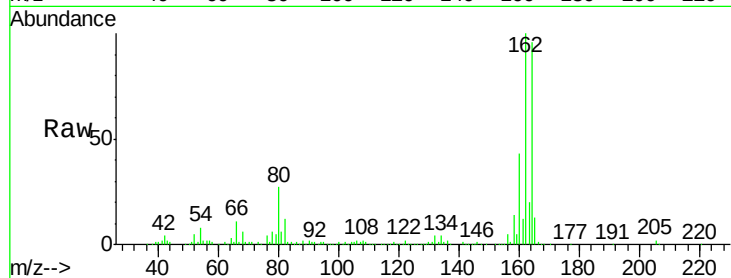
Tot Ion:164 Resp: 180576

Ion Ratio Lower Upper

164 100

162 103.8 80.2 120.2

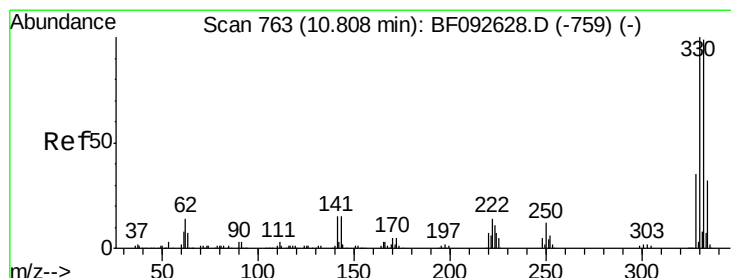
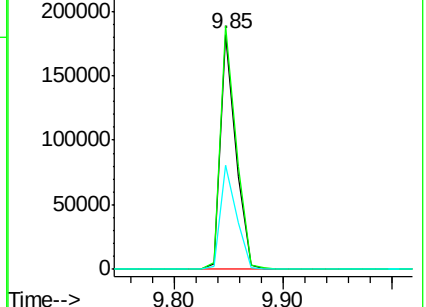
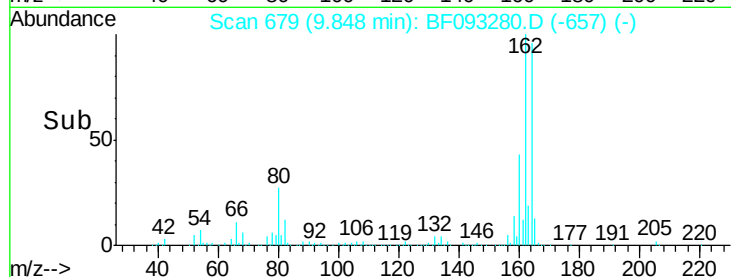
160 44.5 36.9 55.3



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: 94.73 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

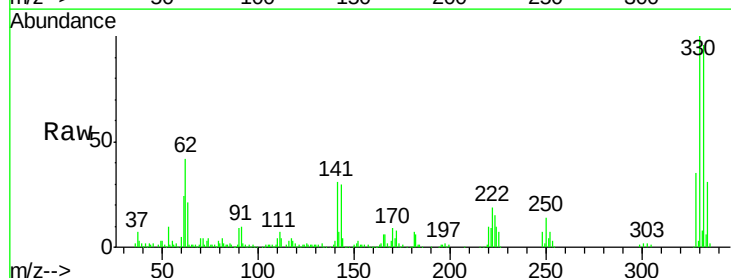
Tgt Ion:330 Resp: 123722

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

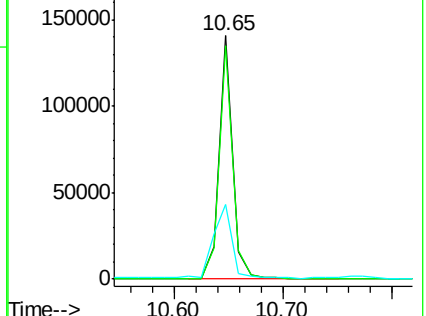
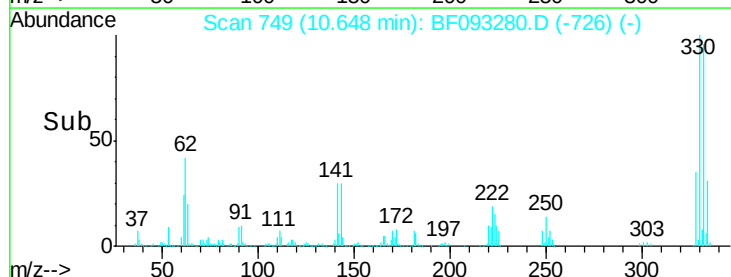
141 41.4 34.1 51.1

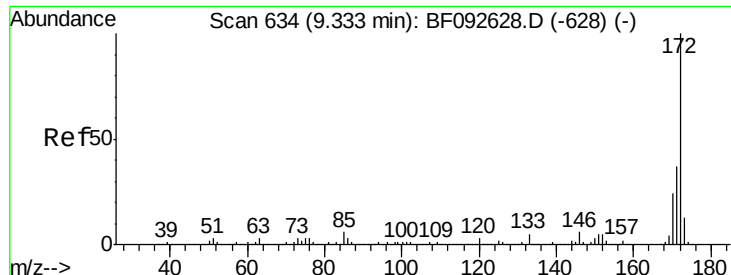


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

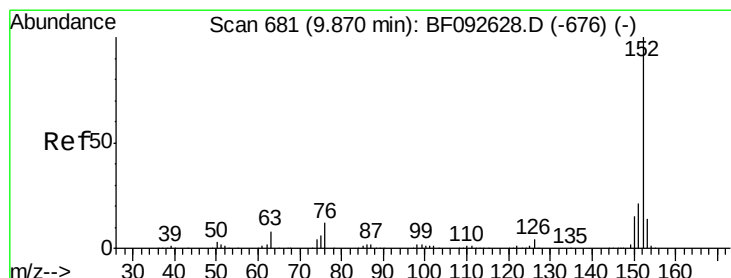
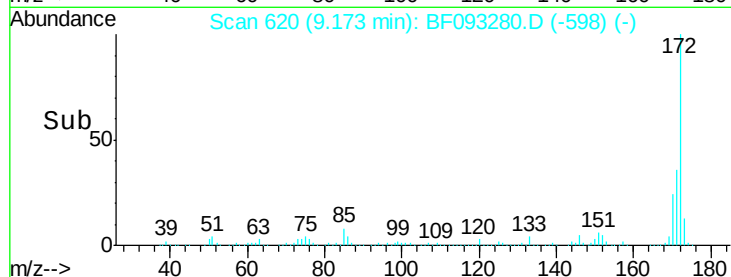
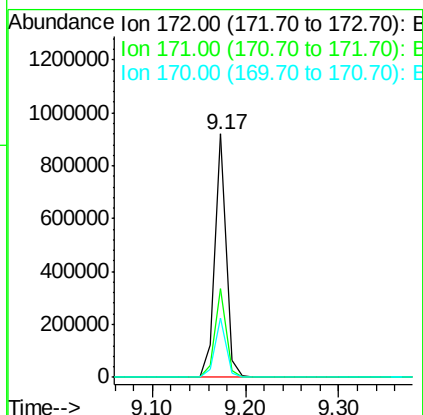
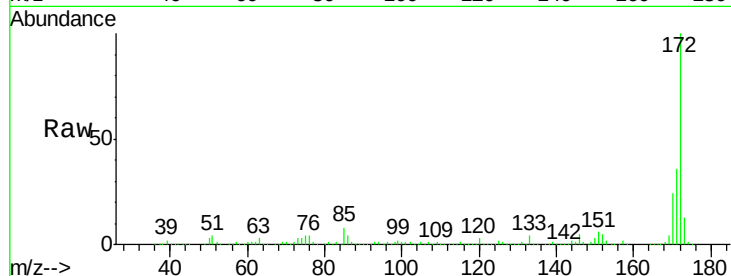




#44
 2-Fluorobiphenyl
 Concen: 77.72 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

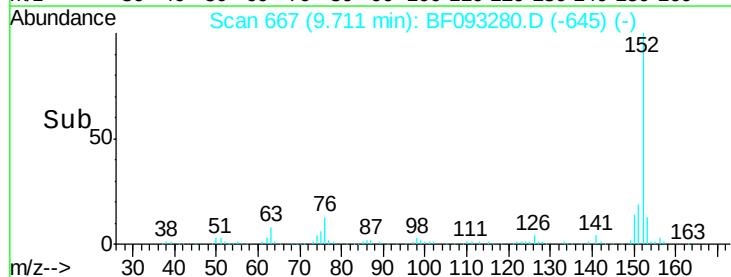
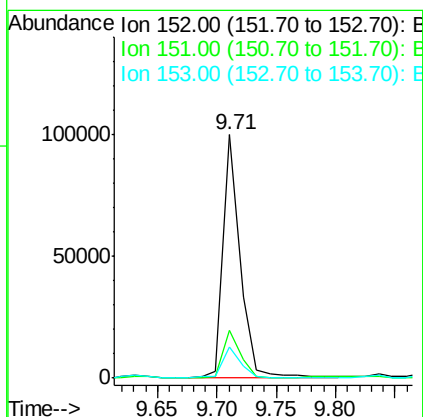
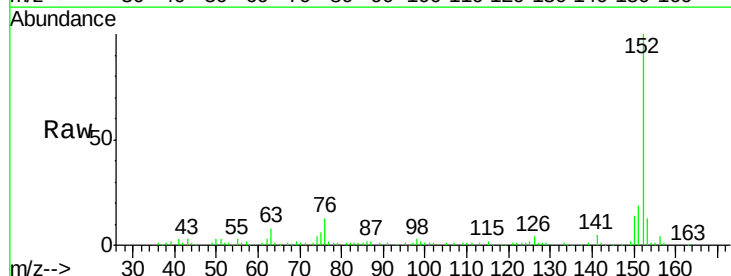
Instrument :
 BNA_F
 ClientSampleId :

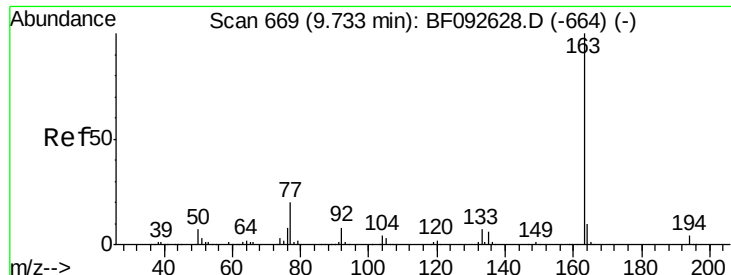
Tot Ion:172 Resp: 774661
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.3 20.2 30.4



#48
 Acenaphthylene
 Concen: 5.65 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.05 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Tgt Ion:152 Resp: 99924
 Ion Ratio Lower Upper
 152 100
 151 19.4 16.9 25.3
 153 13.0 11.4 17.2





#49

Dimethylphthalate

Concen: 6.98 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

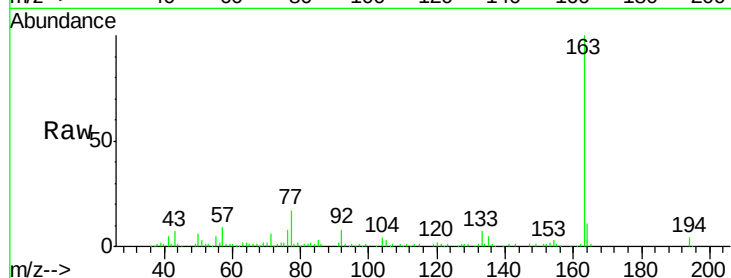
Tot Ion:163 Resp: 84910

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

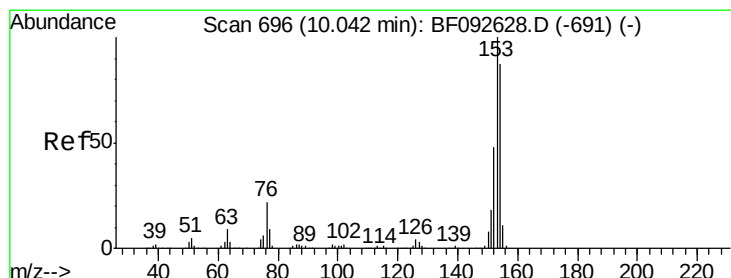
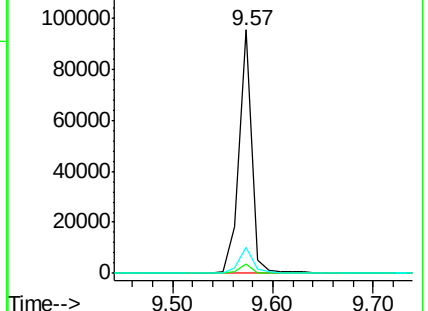
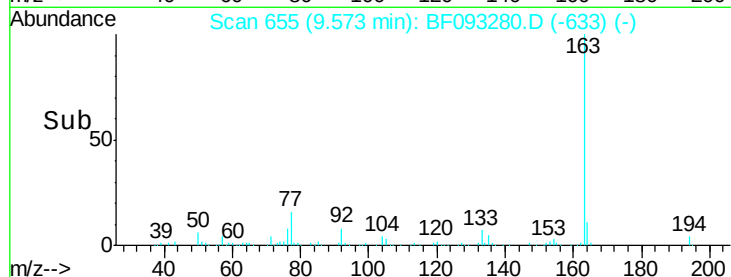
164 10.7 8.0 12.0



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: 2.91 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

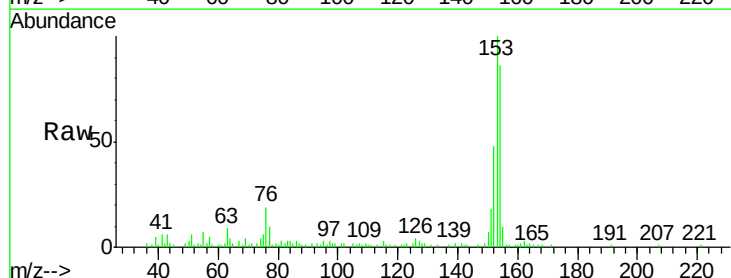
Tgt Ion:154 Resp: 30750

Ion Ratio Lower Upper

154 100

153 115.7 88.6 133.0

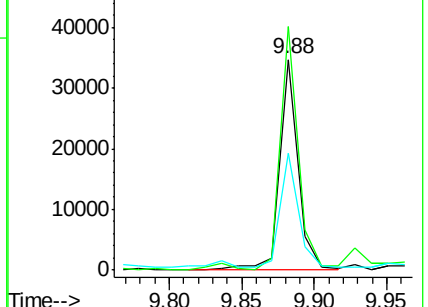
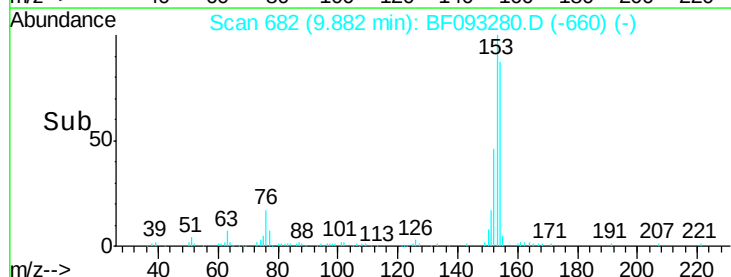
152 55.8 41.6 62.4

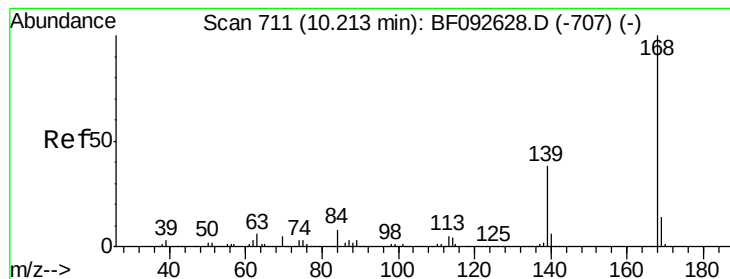


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.24 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

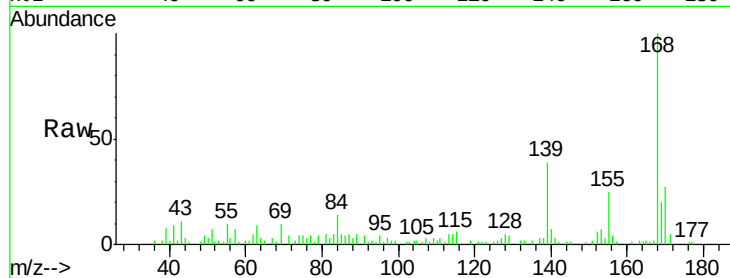
Tot Ion:168 Resp: 31698

Ion Ratio Lower Upper

168 100

139 39.2 32.6 49.0

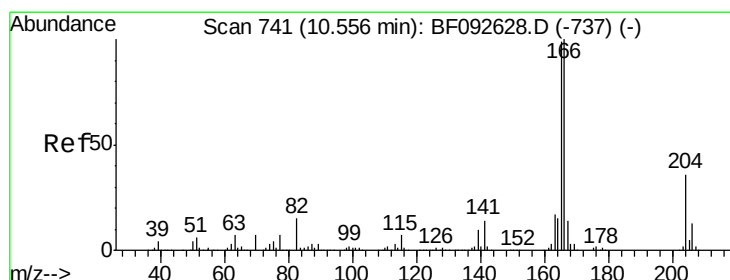
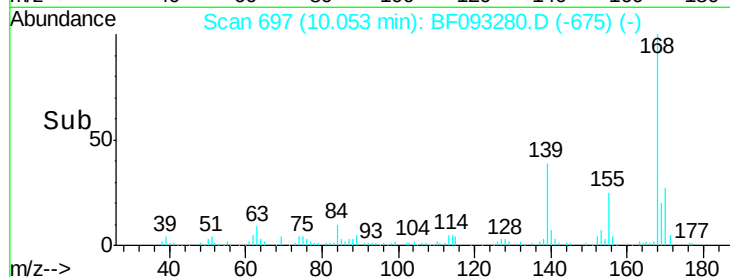
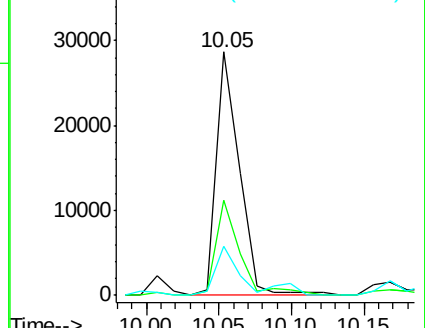
169 20.2 11.3 16.9#



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: 3.24 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

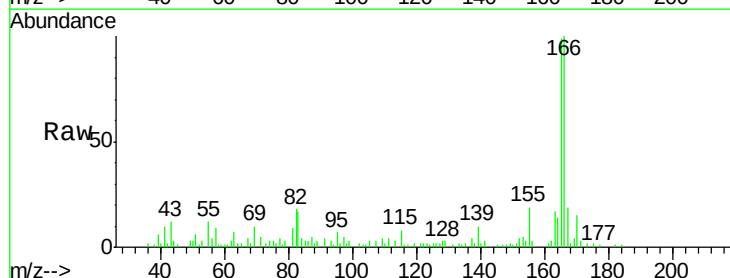
Tgt Ion:166 Resp: 35238

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.8

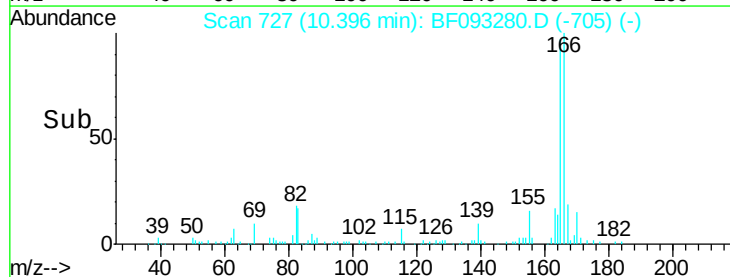
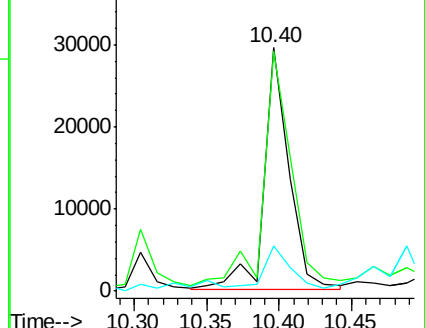
167 18.6 10.8 16.2#

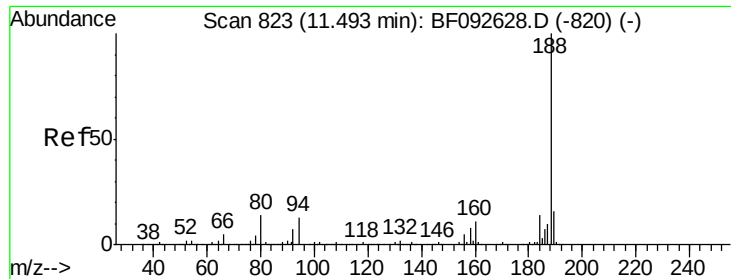


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

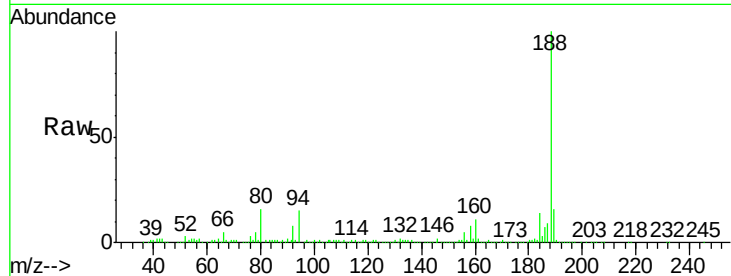




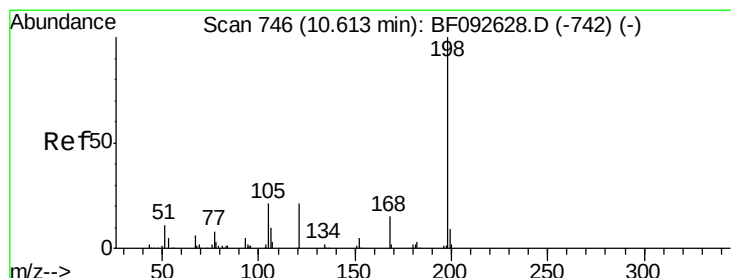
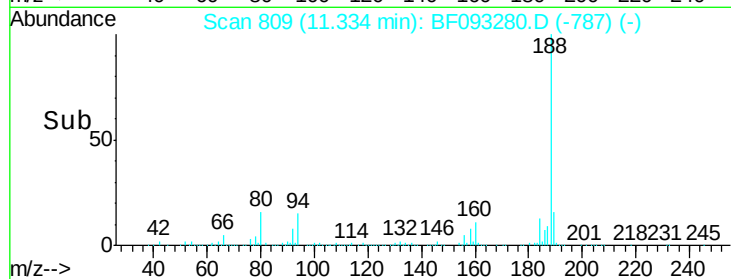
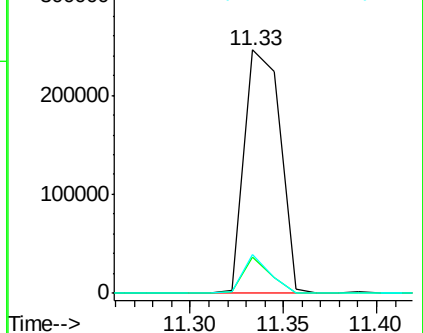
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 328891
Ion Ratio Lower Upper
188 100
94 15.1 10.0 15.0#
80 16.0 11.2 16.8

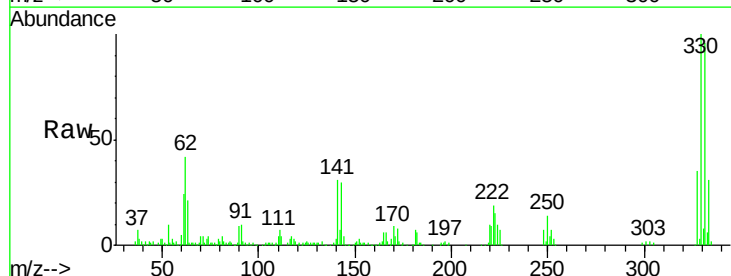


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

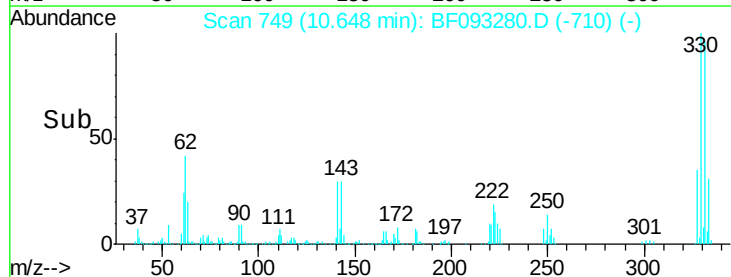
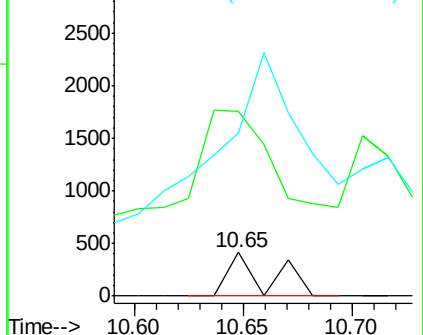


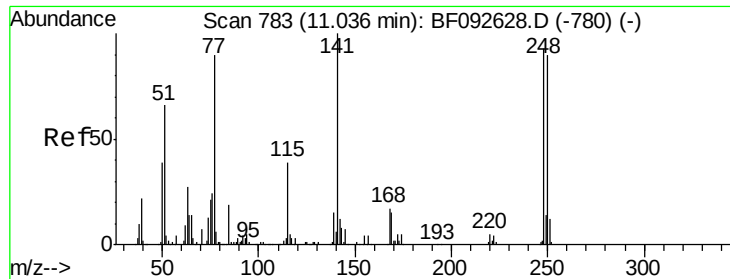
#64
4,6-Dinitro-2-methylphenol
Concen: 2.92 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.15 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Tgt Ion:198 Resp: 524
Ion Ratio Lower Upper
198 100
51 421.9 6.7 46.7#
105 373.1 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: 2.81 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampled :

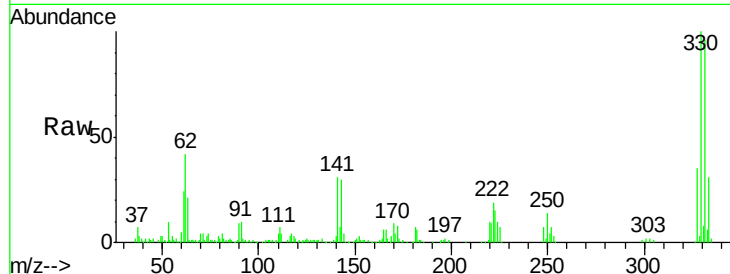
Tot Ion:248 Resp: 9670

Ion Ratio Lower Upper

248 100

250 196.5 76.9 115.3#

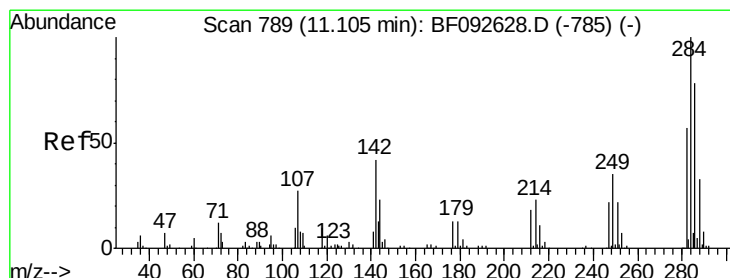
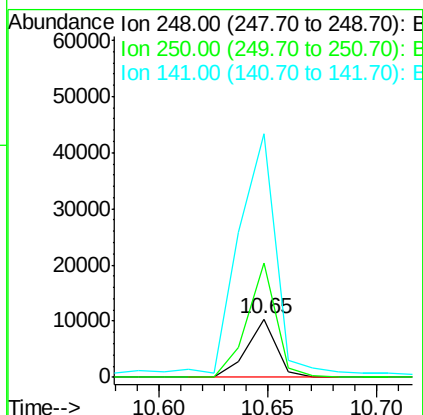
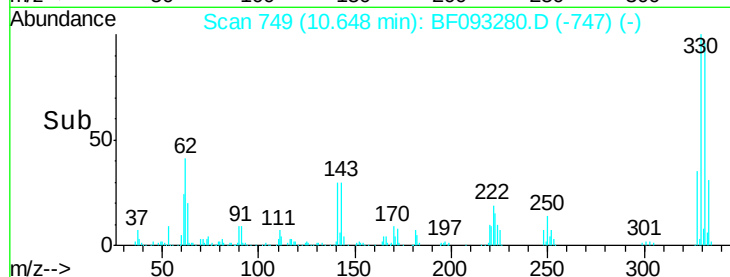
141 418.3 68.2 102.4#



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



#67

Hexachlorobenzene

Concen: 2.23 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.03 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

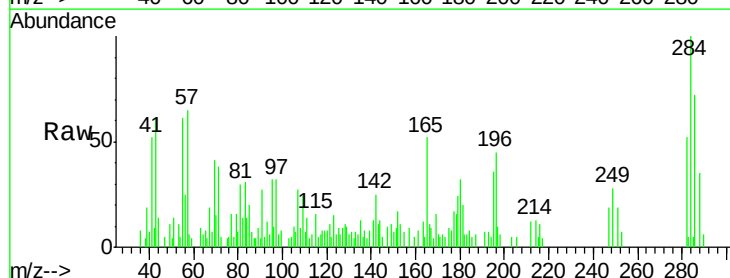
Tgt Ion:284 Resp: 7575

Ion Ratio Lower Upper

284 100

142 24.8 22.6 33.8

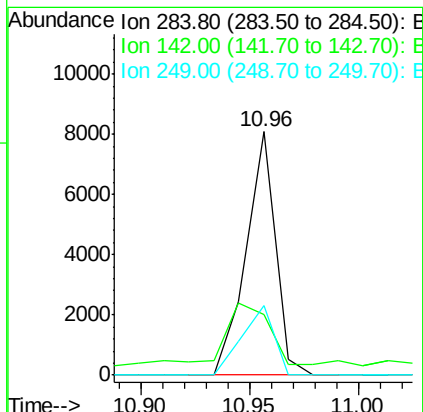
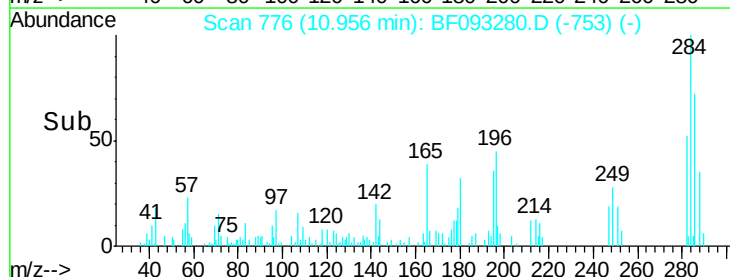
249 28.4 25.4 38.0

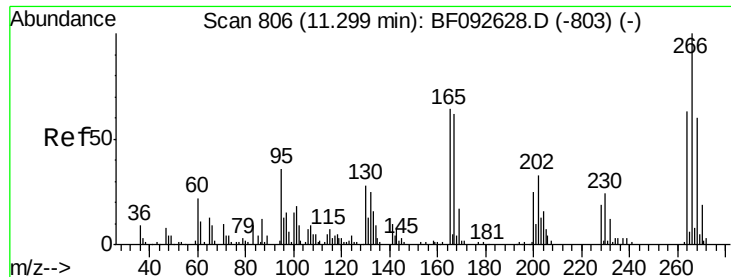


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

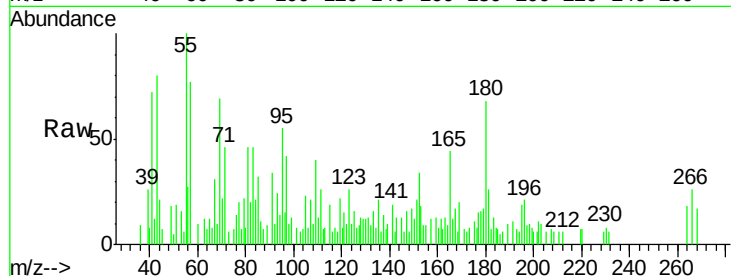




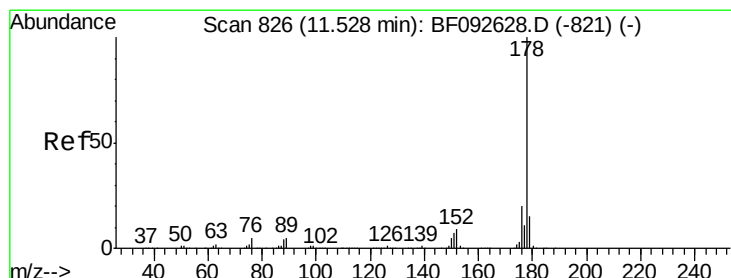
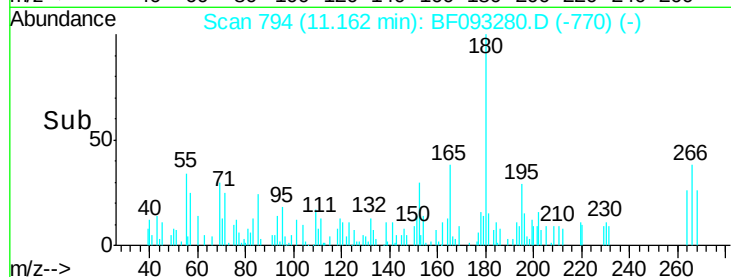
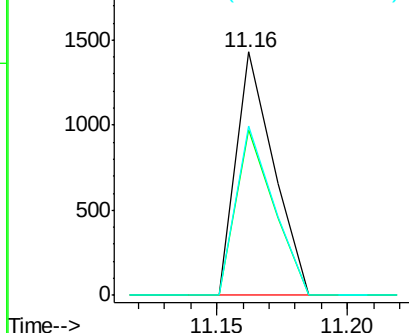
#69
 Pentachlorophenol
 Concen: 7.94 ng
 RT: 11.16 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 1431
 Ion Ratio Lower Upper
 266 100
 268 68.1 53.3 79.9
 264 69.5 50.3 75.5

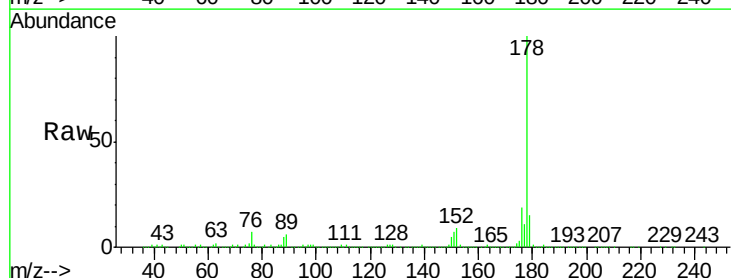


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

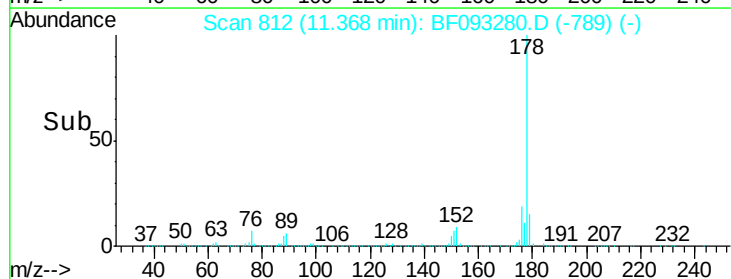
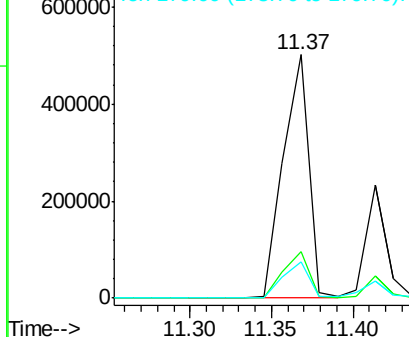


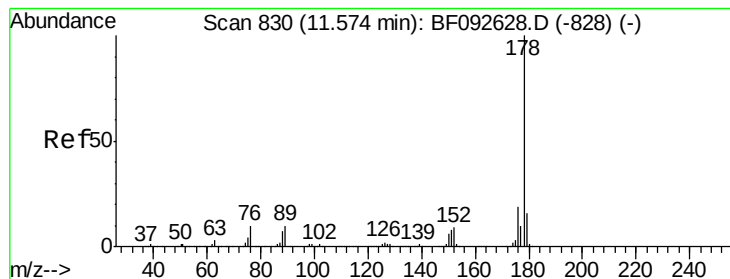
#70
 Phenanthrene
 Concen: 28.98 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Tgt Ion:178 Resp: 546042
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.6 25.0
 179 14.8 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





#71

Anthracene

Concen: 10.76 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

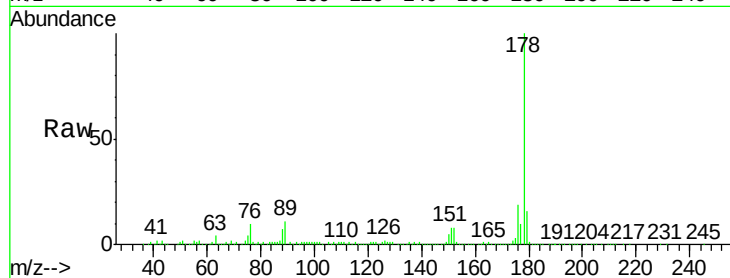
Tot Ion:178 Resp: 203518

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

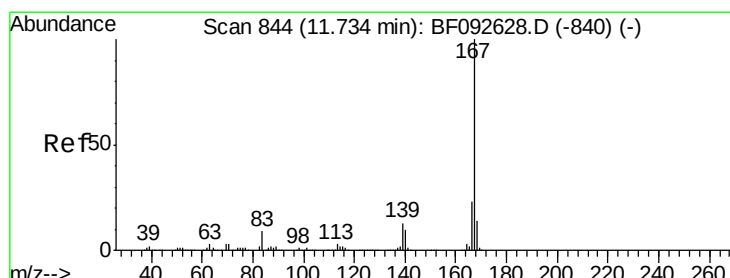
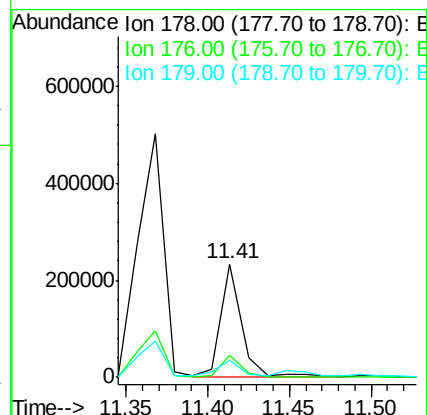
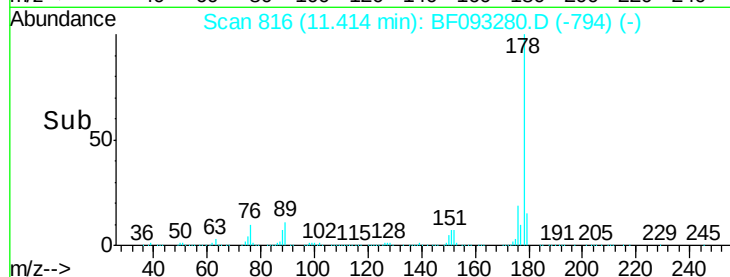
179 15.5 13.2 19.8



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: 4.04 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

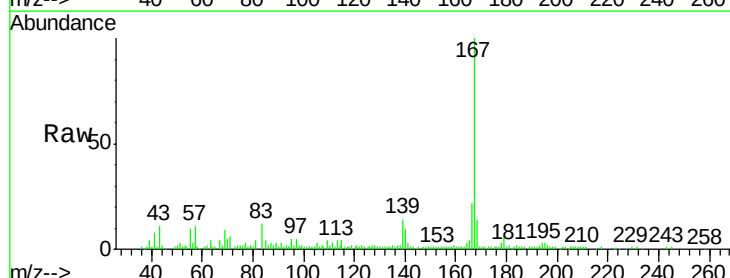
Tgt Ion:167 Resp: 73002

Ion Ratio Lower Upper

167 100

166 21.9 18.2 27.2

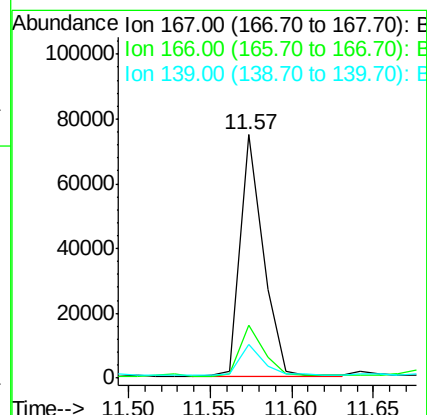
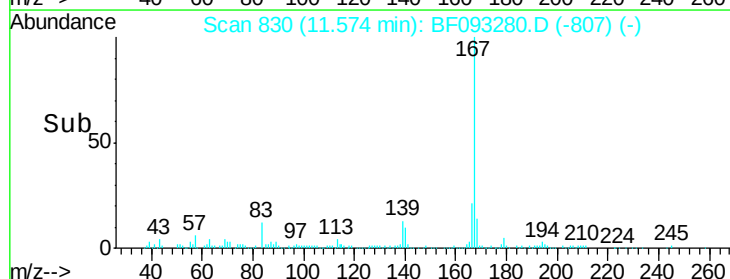
139 13.9 11.4 17.2

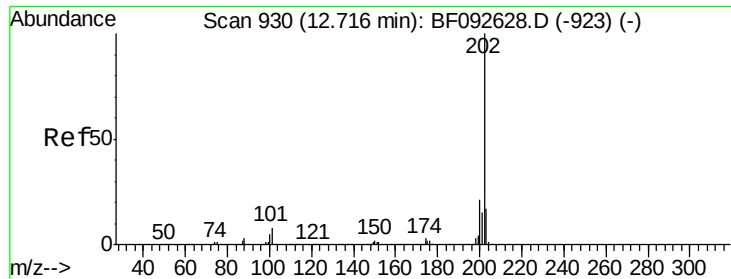


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

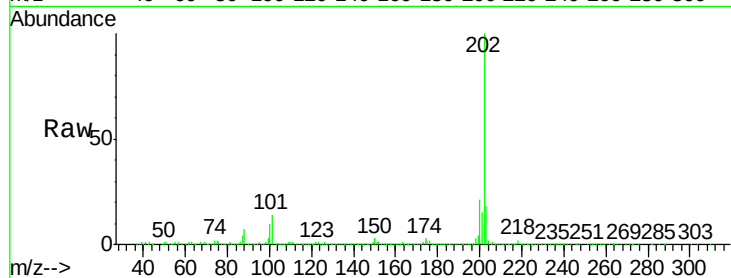




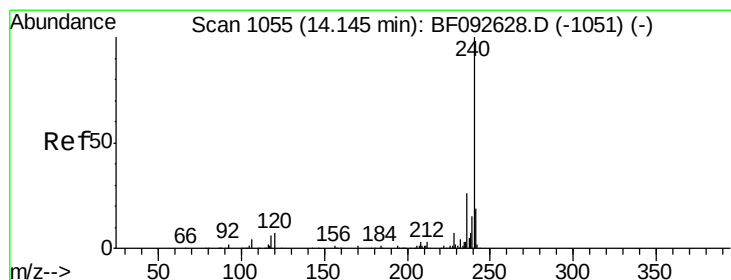
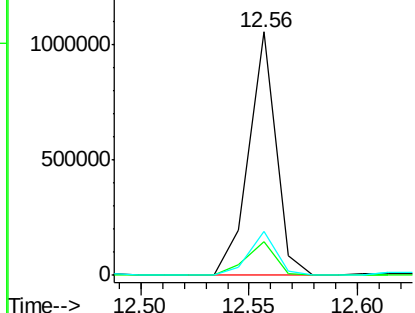
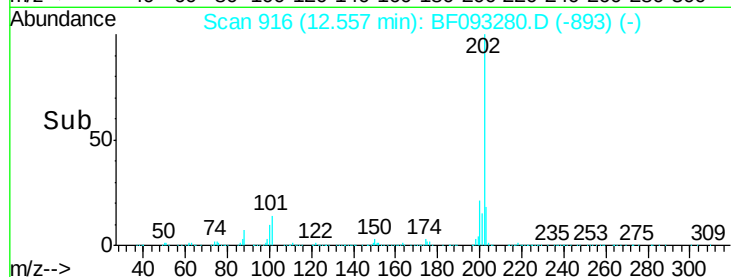
#74
 Fluoranthene
 Concen: 47.25 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.6
203	17.9	0.0	38.7

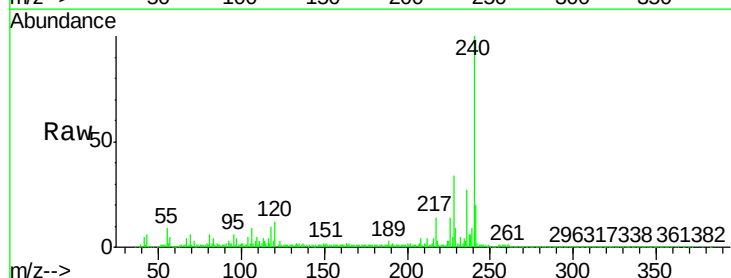


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

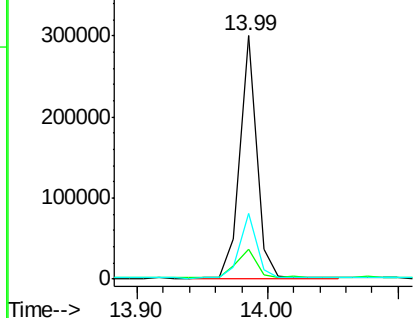
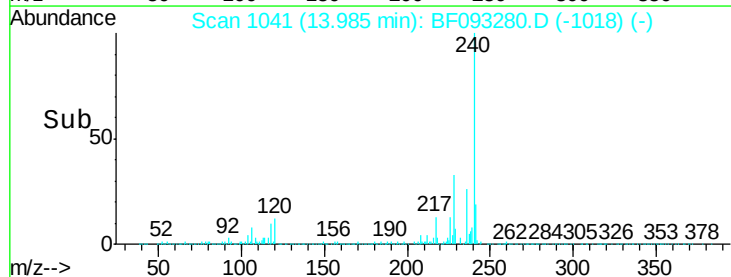


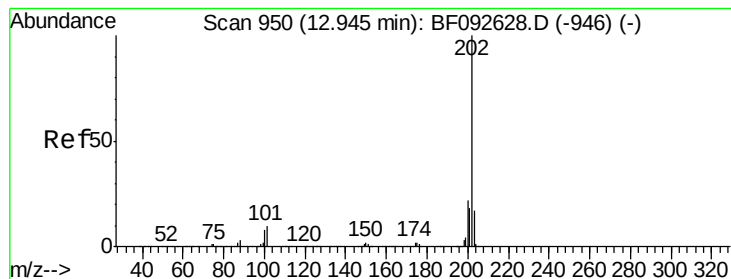
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	12.9	19.3#
236	26.9	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: 43.41 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

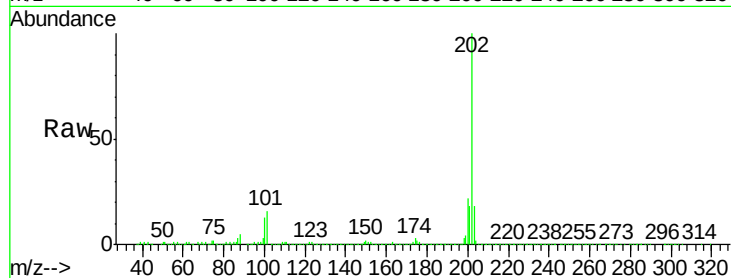
Tot Ion:202 Resp: 868377

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

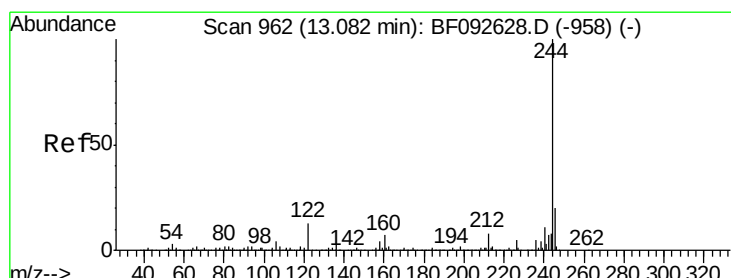
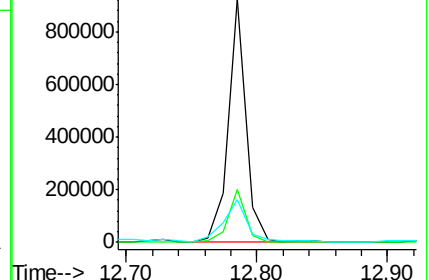
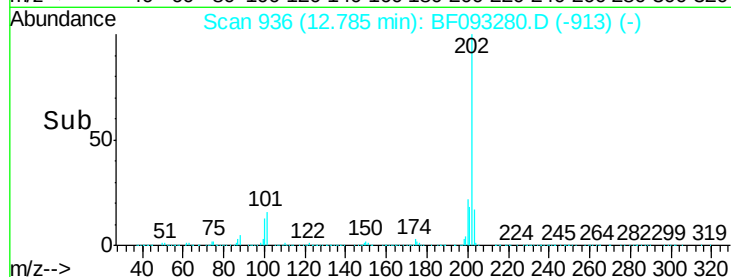
203 17.6 14.7 22.1



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: 53.75 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

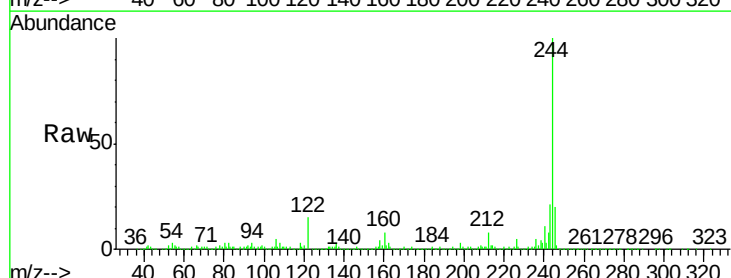
Tgt Ion:244 Resp: 611499

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

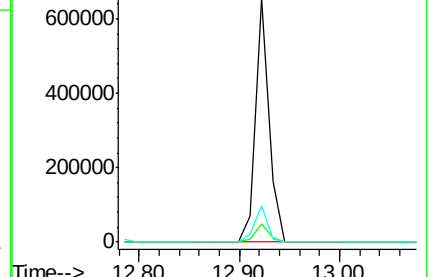
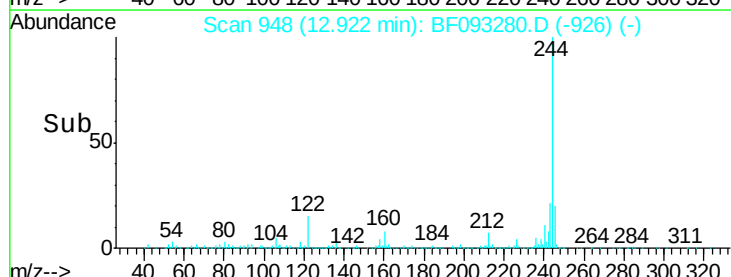
122 14.8 11.4 17.2

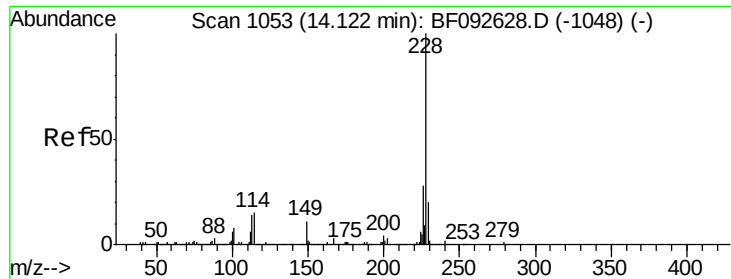


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

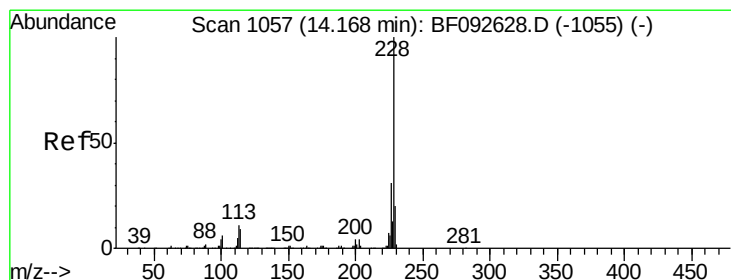
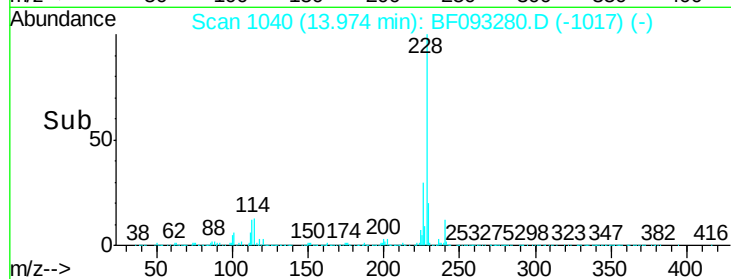
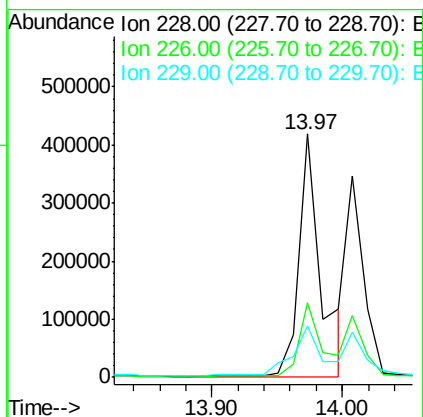
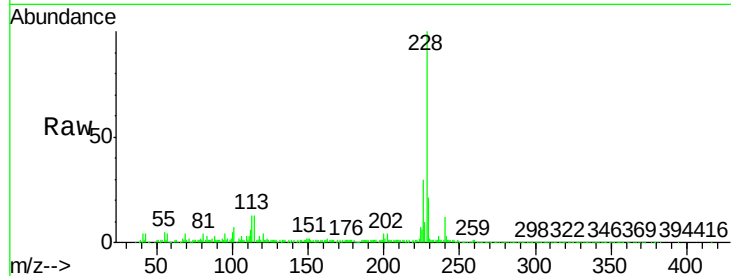




#80
Benzo(a)anthracene
Concen: 29.96 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

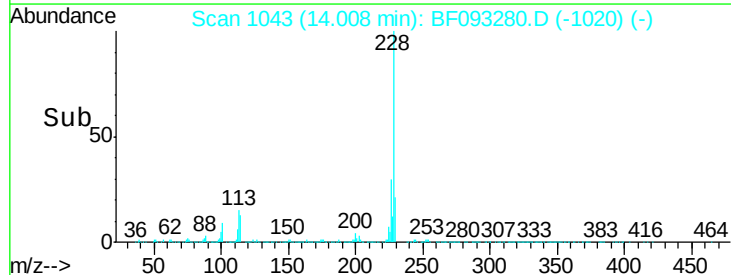
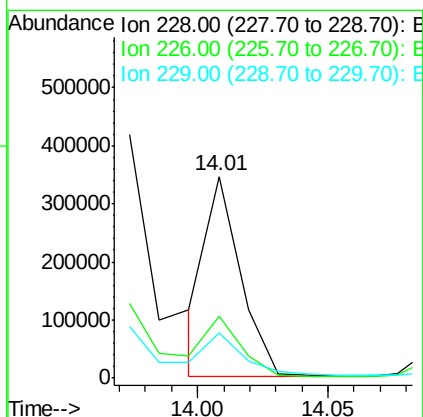
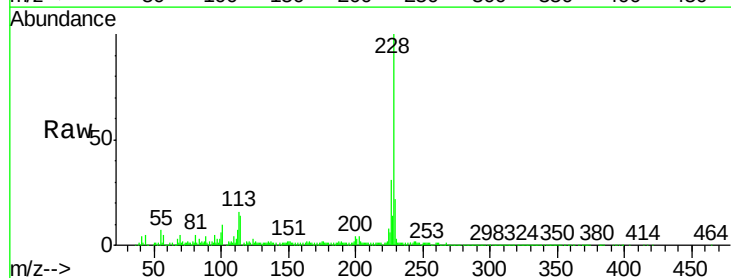
Instrument :
BNA_F
ClientSampleId :

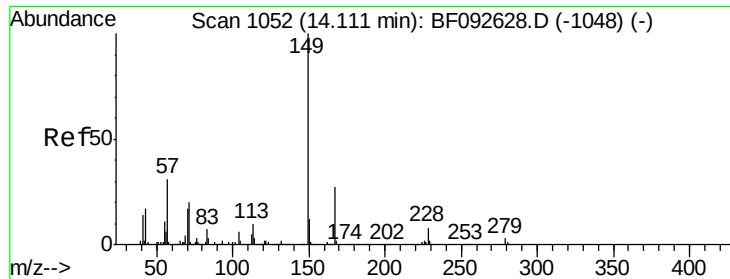
Tot Ion:228 Resp: 489867
Ion Ratio Lower Upper
228 100
226 30.5 22.4 33.6
229 21.1 16.2 24.4



#82
Chrysene
Concen: 21.01 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Tgt Ion:228 Resp: 321616
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 22.3 16.2 24.2

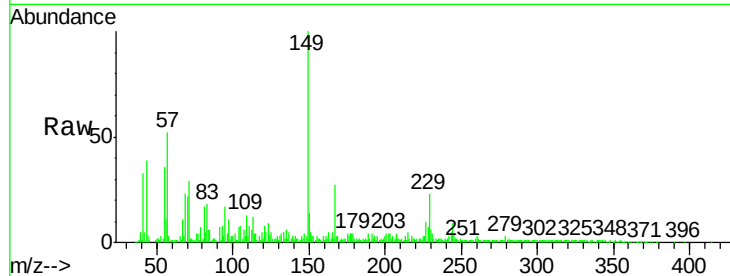




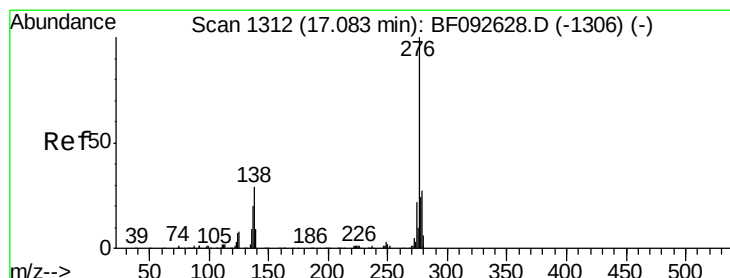
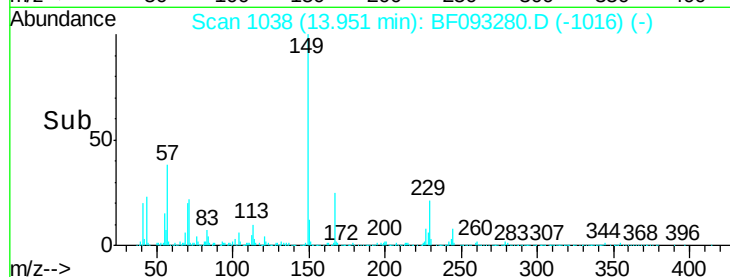
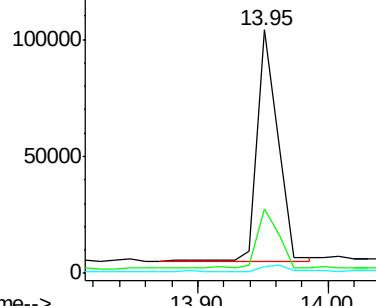
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.75 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.2	30.4
279	2.7	1.8	2.8

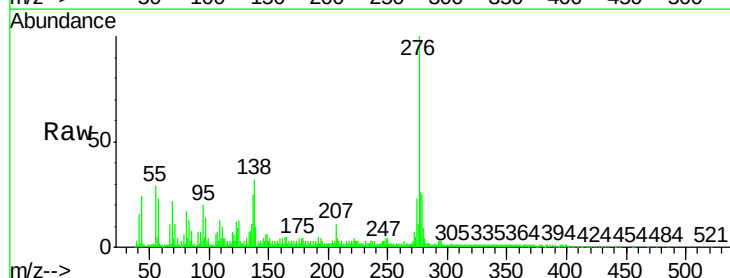


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

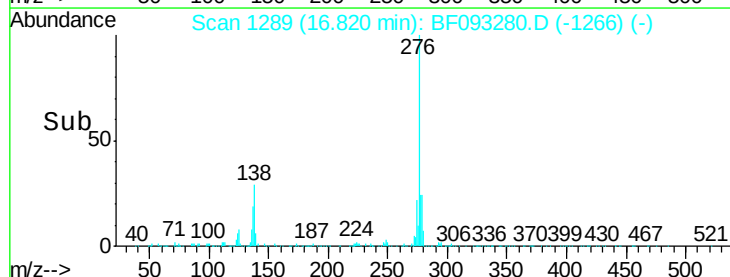
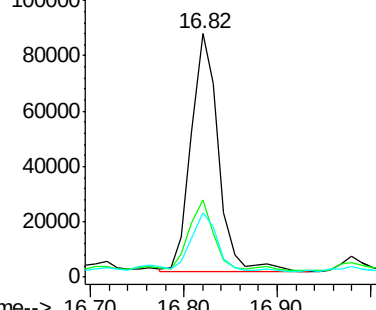


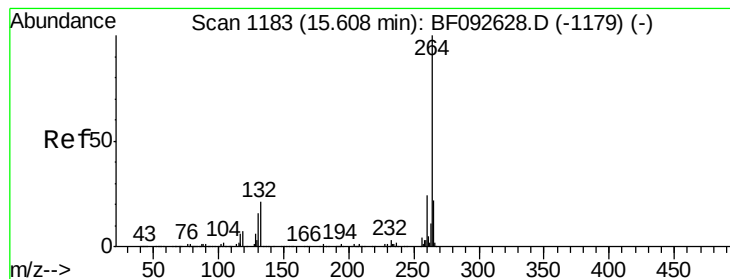
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.63 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF093280.D
 Acq: 1 Mar 2017 8:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.8	32.6
277	22.7	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

Pervlene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampleId :

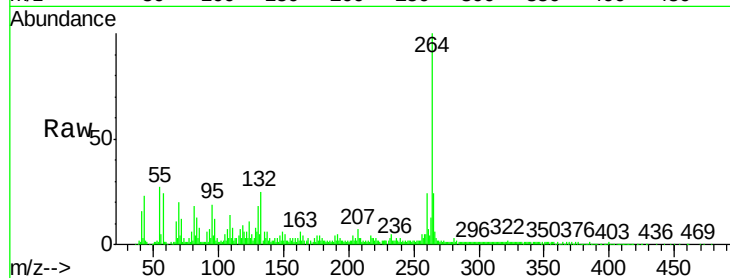
Tot Ion:264 Resp: 177036

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

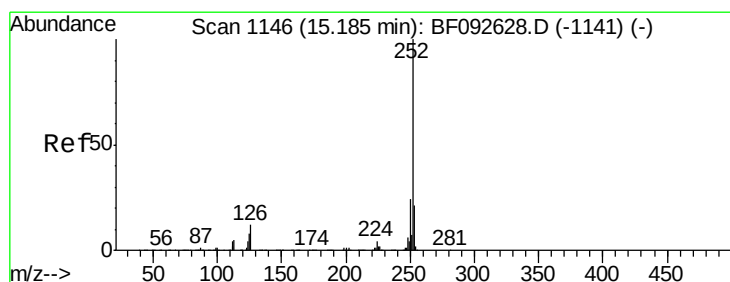
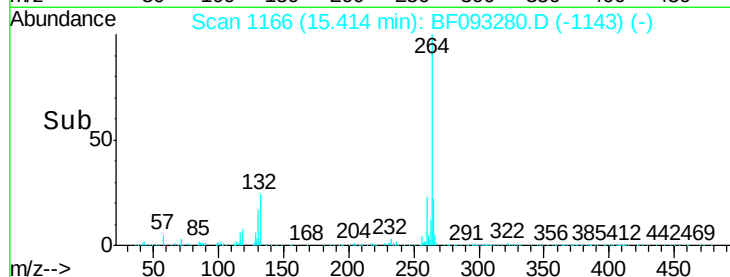
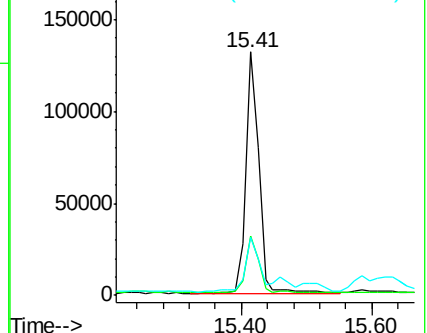
265 23.7 17.4 26.0



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: 47.28 ng

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

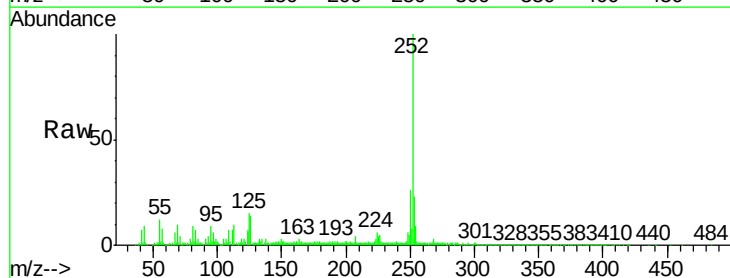
Tgt Ion:252 Resp: 550968

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.4

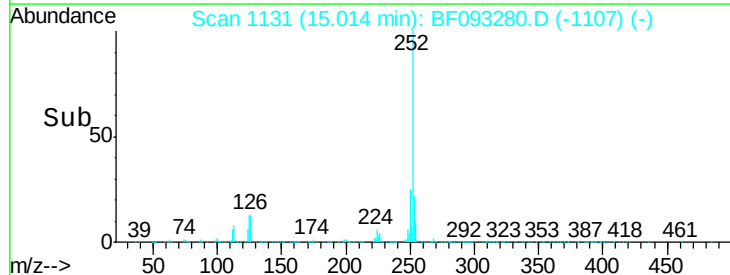
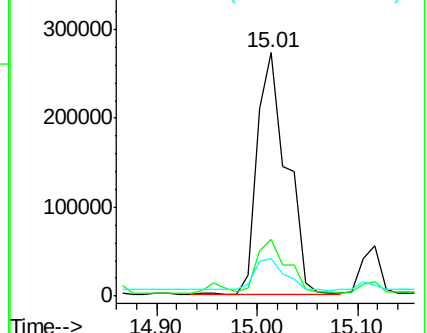
125 15.4 9.8 14.6#

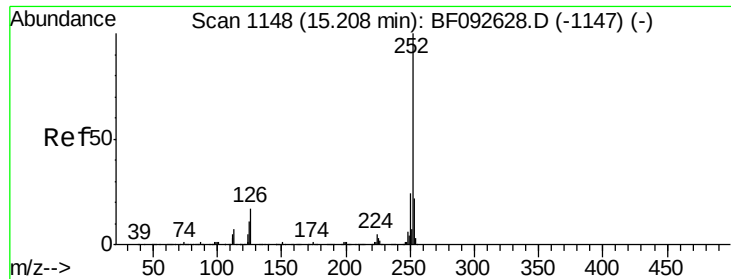


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

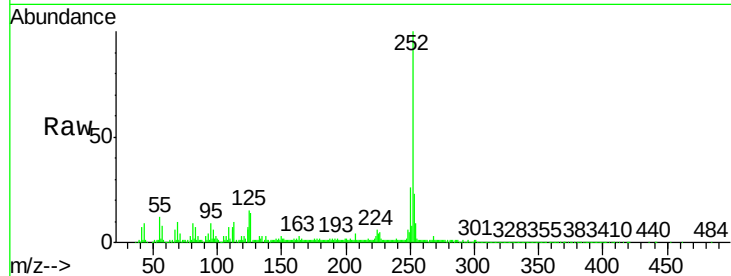




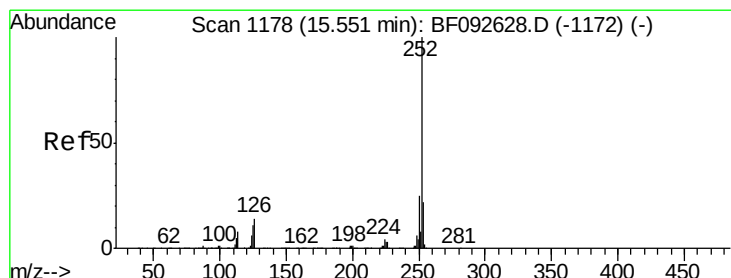
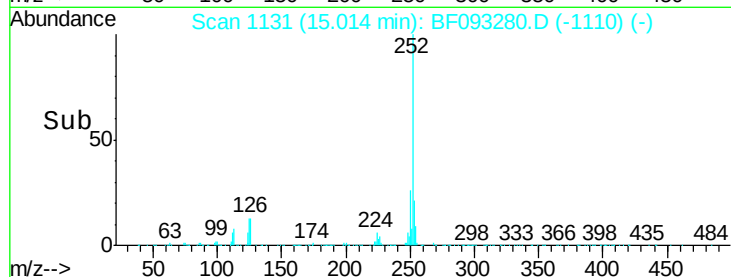
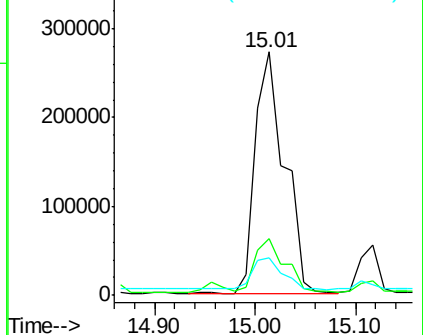
#88
Benzo(k)fluoranthene
Concen: 54.76 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 550968
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 15.4 8.9 13.3#

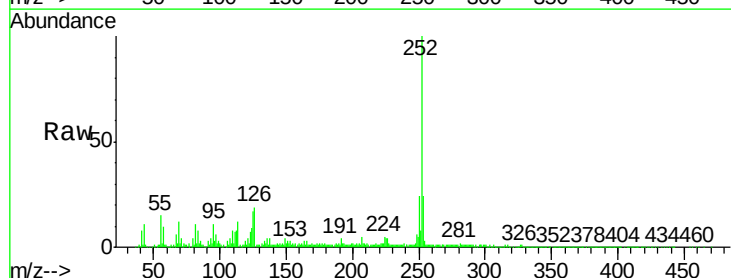


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

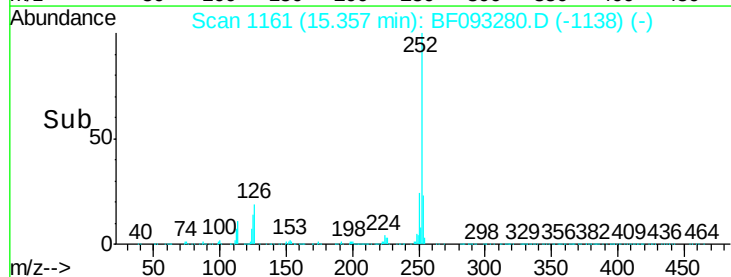
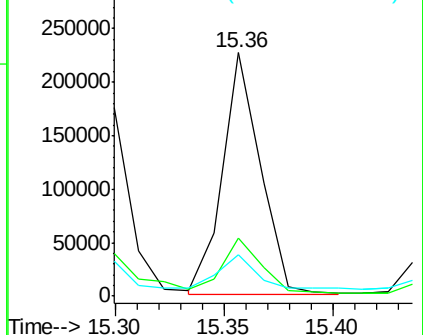


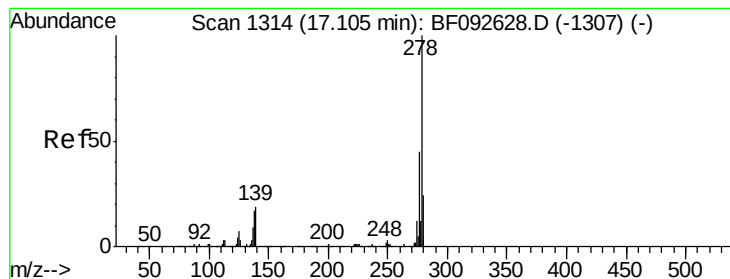
#89
Benzo(a)pyrene
Concen: 26.92 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093280.D
Acq: 1 Mar 2017 8:17

Tgt Ion:252 Resp: 271316
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 16.8 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: 5.57 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

Instrument :

BNA_F

ClientSampled :

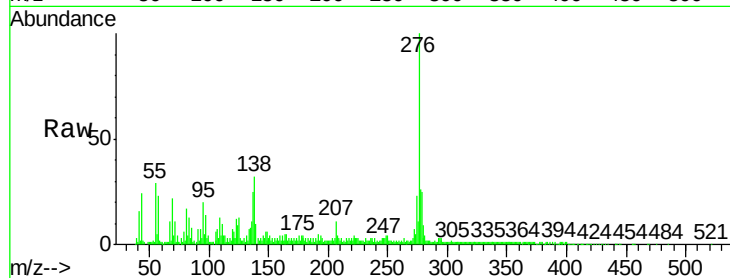
Tot Ion:278 Resp: 45336

Ion Ratio Lower Upper

278 100

139 38.0 14.8 22.2#

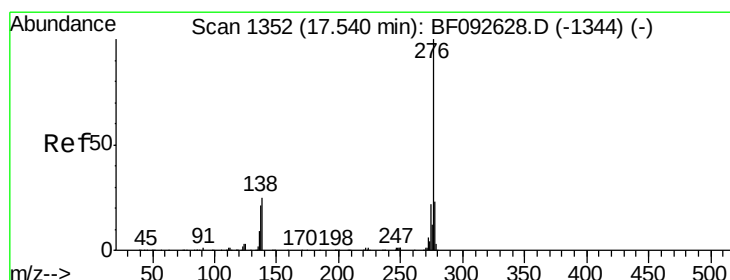
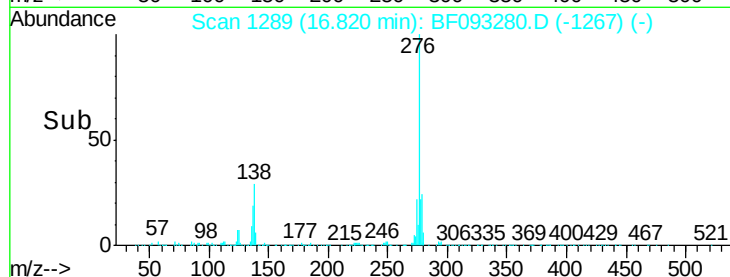
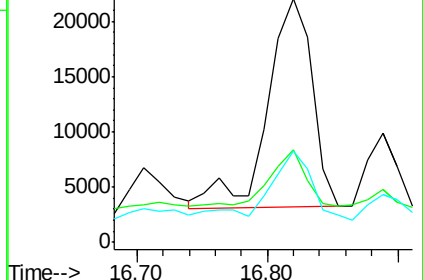
279 37.8 19.8 29.6#



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(g,h,i)perylene

Concen: 19.97 ng

RT: 17.24 min Scan# 1326

Delta R.T. -0.05 min

Lab File: BF093280.D

Acq: 1 Mar 2017 8:17

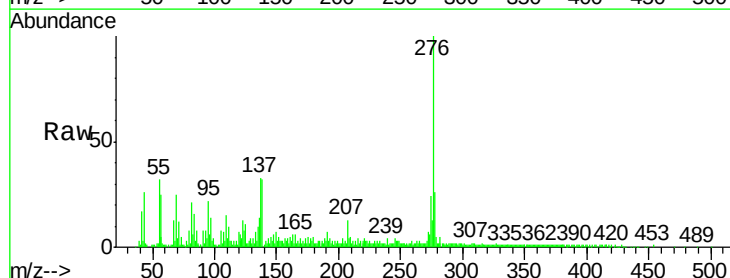
Tgt Ion:276 Resp: 164316

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 31.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

