

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093251.D
 Acq On : 28 Feb 2017 16:27
 Operator : SJ/MA
 Sample : I2017-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 17:07:31 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	149445	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	501123	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	206325	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	315028	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	312631	20.00	ng	-0.05
86) Perylene-d12	15.40	264	297898	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	938776	107.77	ng	-0.03
7) Phenol-d6	6.46	99	1177241	105.04	ng	-0.02
23) Nitrobenzene-d5	7.38	82	730424	81.17	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	145984	97.83	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	919557	80.74	ng	-0.06
78) Terphenyl-d14	12.91	244	562662	42.29	ng	-0.06

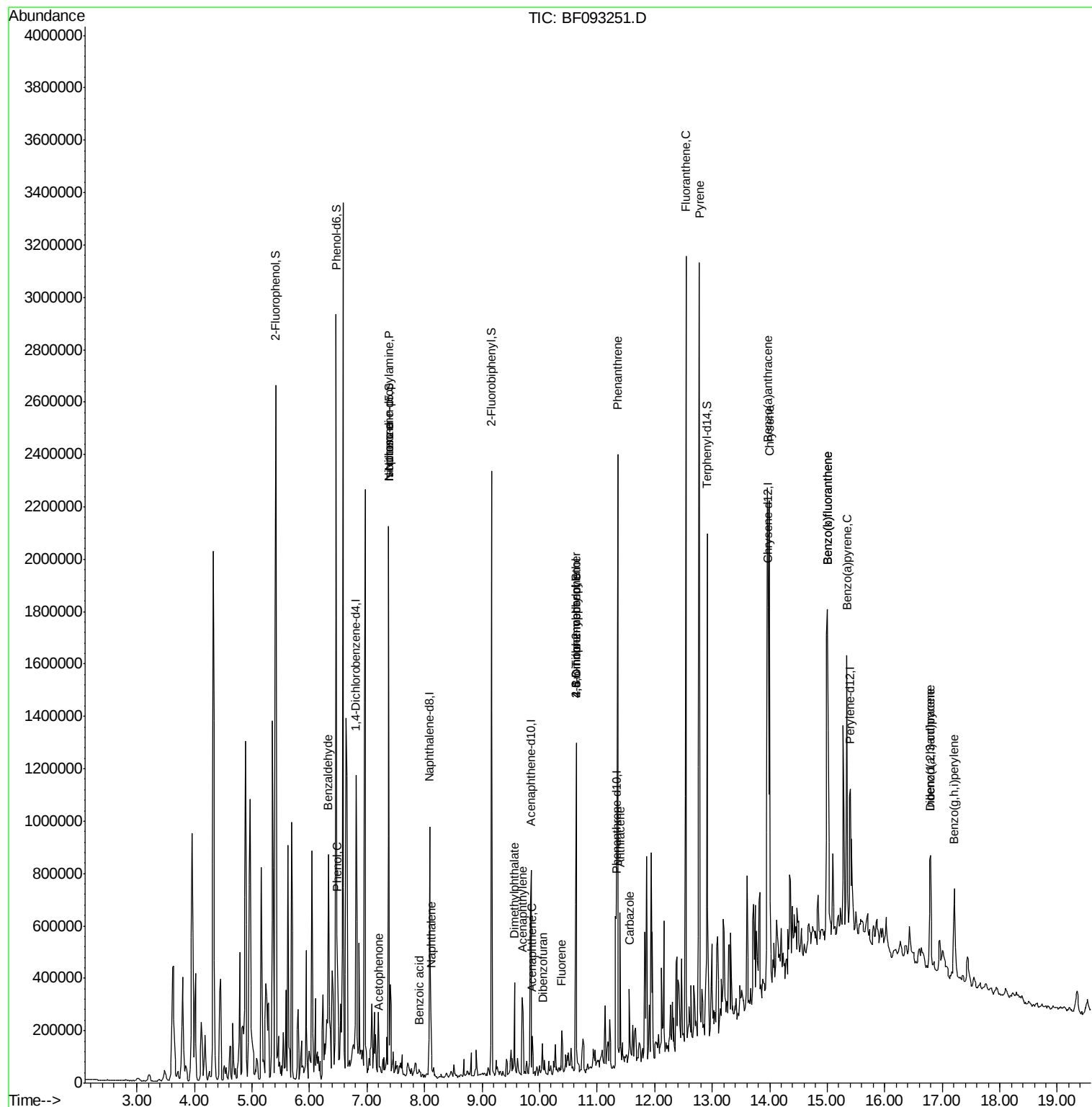
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	20702	2.58	ng	# 1
10) Phenol	6.48	94	78842	6.01	ng	# 72
19) n-Nitroso-di-n-propylamine	7.38	70	114719	16.08	ng	# 78
22) Acetophenone	7.21	105	27466	2.40	ng	# 55
25) Isophorone	7.38	82	723523	43.15	ng	# 65
31) Naphthalene	8.11	128	96679	3.81	ng	99
32) Benzoic acid	7.90	122	2612	7.67	ng	# 42
48) Acenaphthylene	9.70	152	175350	8.69	ng	97
49) Dimethylphthalate	9.56	163	113737	8.18	ng	99
51) Acenaphthene	9.87	154	33550	2.78	ng	88
54) Dibenzofuran	10.05	168	48058	2.98	ng	# 88
57) Fluorene	10.38	166	54496	4.39	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.64	198	300	2.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11170	3.39	ng	# 1
70) Phenanthrene	11.36	178	995177	55.14	ng	98
71) Anthracene	11.40	178	213322	11.77	ng	98
72) Carbazole	11.56	167	100359	5.79	ng	98
74) Fluoranthene	12.54	202	1173156	63.02	ng	99
77) Pyrene	12.77	202	1226046	52.40	ng	99
80) Benzo(a)anthracene	13.96	228	694174	36.30	ng	96
82) Chrysene	14.00	228	561405	31.36	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	285376	20.58	ng	99
87) Benzo(b)fluoranthene	15.00	252	1040032	53.04	ng	97
88) Benzo(k)fluoranthene	15.00	252	1040032	61.43	ng	# 97
89) Benzo(a)pyrene	15.35	252	554889	32.72	ng	99
90) Dibenzo(a,h)anthracene	16.80	278	87769	6.40	ng	# 92
91) Benzo(g,h,i)perylene	17.21	276	270888	19.56	ng	# 87

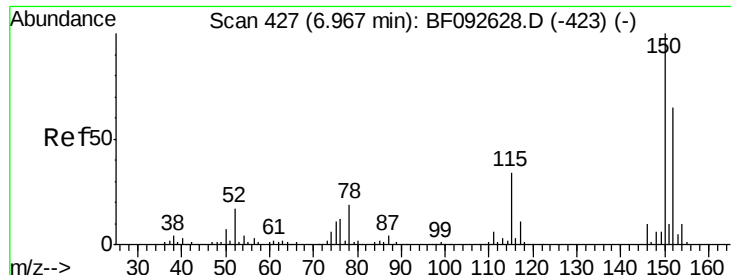
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
Data File : BF093251.D
Acq On : 28 Feb 2017 16:27
Operator : SJ/MA
Sample : I2017-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 28 17:07:31 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



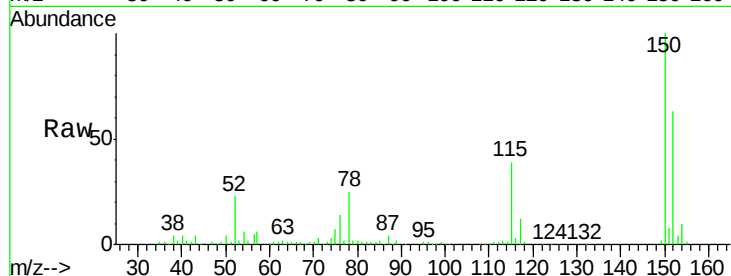


#1

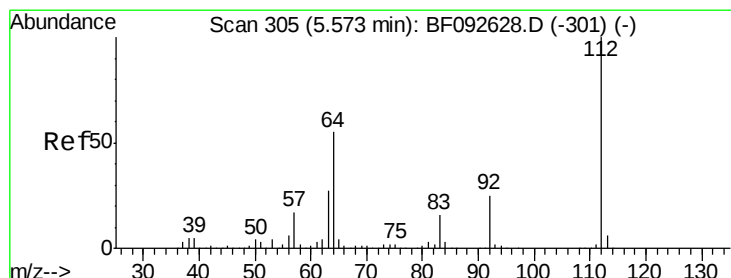
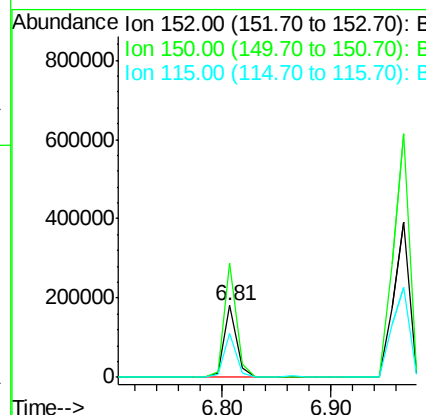
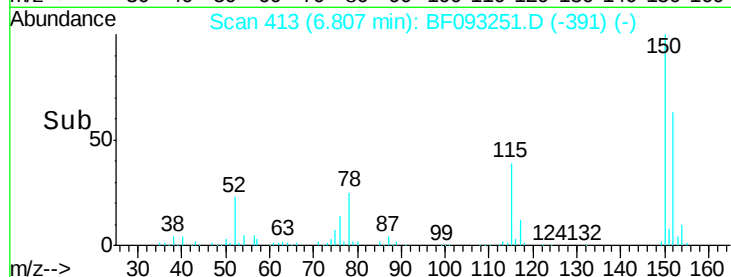
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149445
Ion Ratio Lower Upper
152 100
150 159.4 124.9 187.3
115 61.7 46.0 69.0



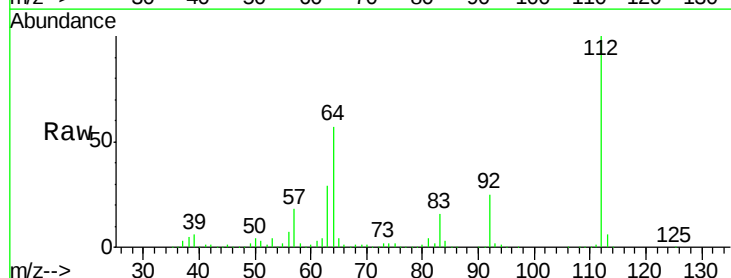
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



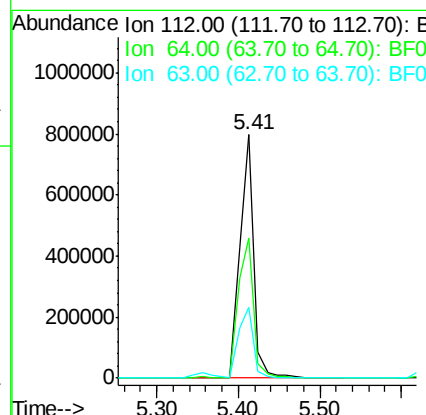
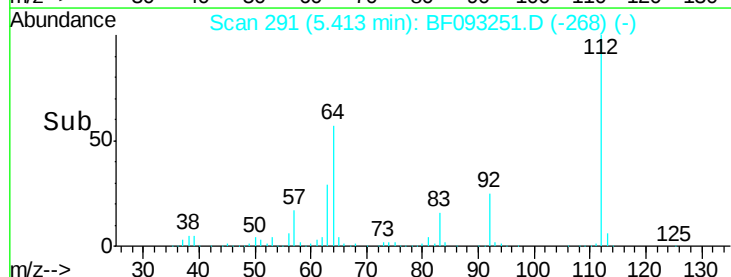
#5

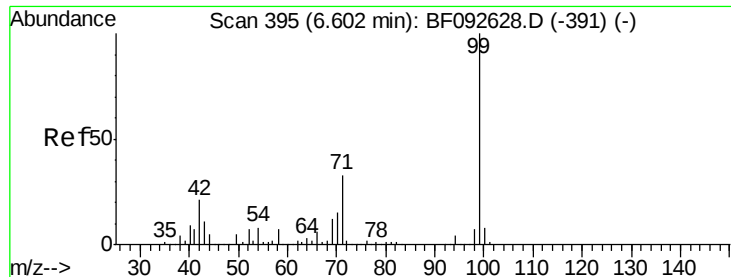
2-Fluorophenol
Concen: 107.77 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:112 Resp: 938776
Ion Ratio Lower Upper
112 100
64 57.4 46.1 69.1
63 28.9 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: 105.04 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampled :

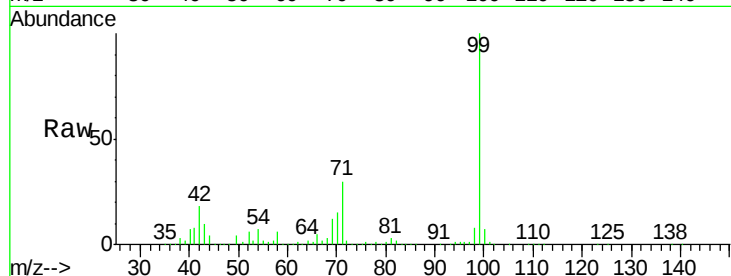
Tot Ion: 99 Resp: 1177241

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

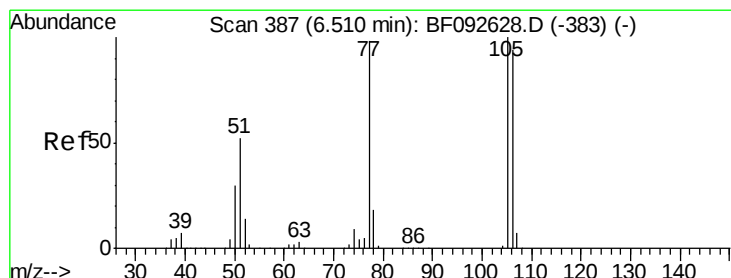
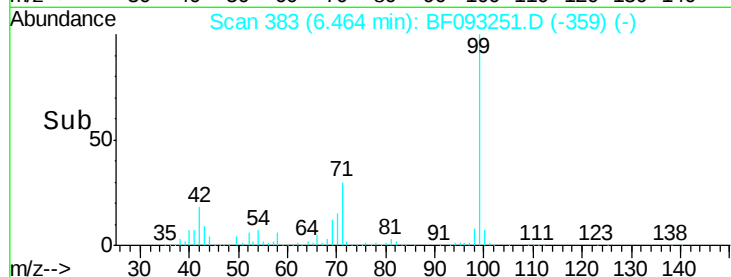
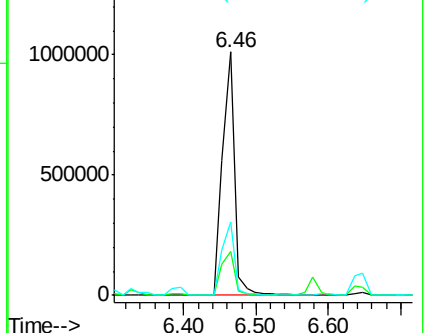
71 30.2 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.58 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.07 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

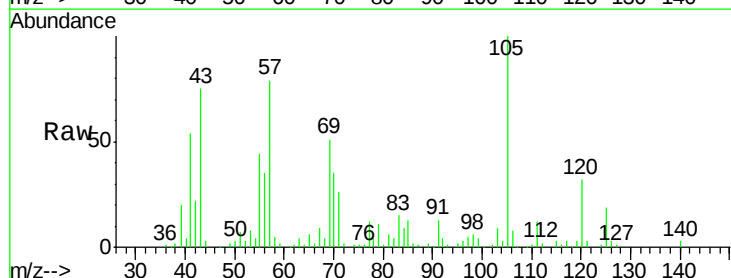
Tgt Ion: 77 Resp: 20702

Ion Ratio Lower Upper

77 100

105 827.4 83.9 123.9#

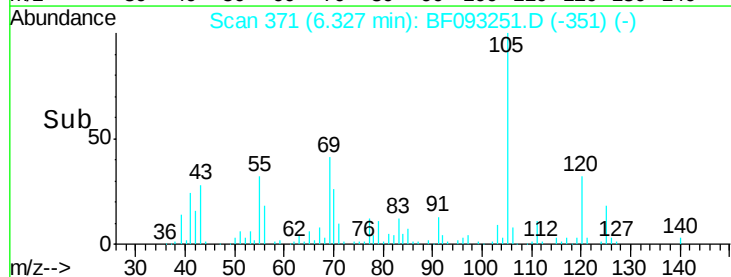
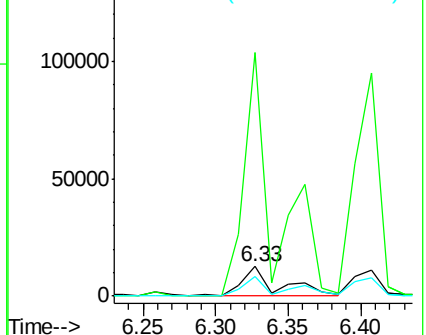
106 67.1 77.6 117.6#

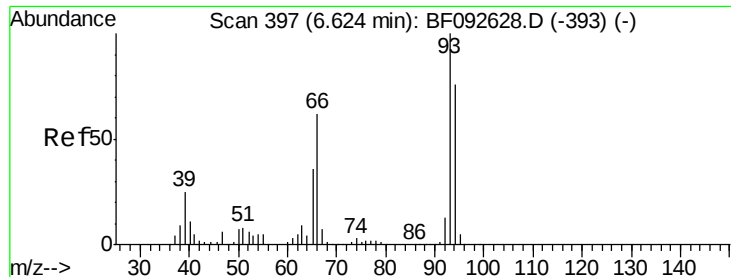


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.01 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

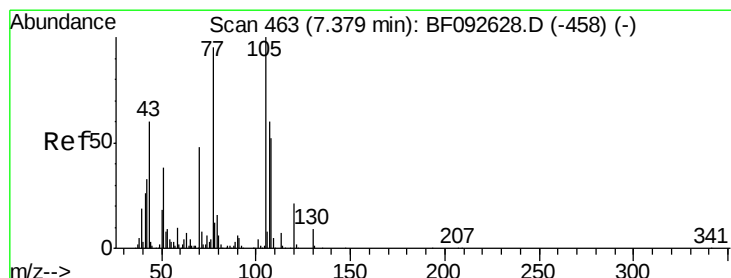
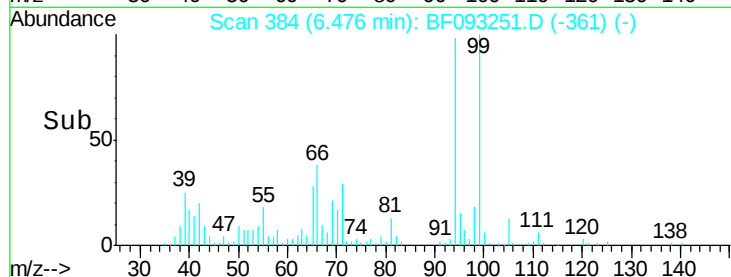
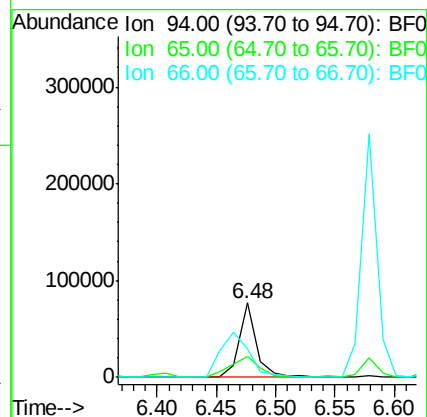
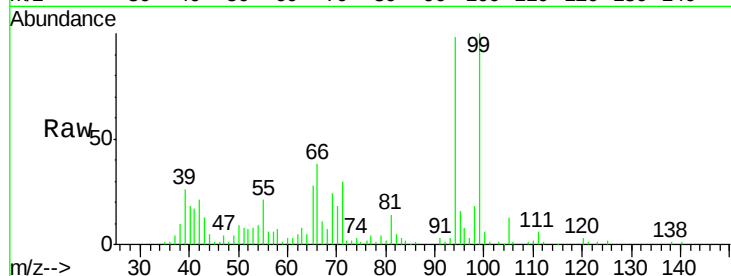
Tot Ion: 94 Resp: 78842

Ion Ratio Lower Upper

94 100

65 28.6 21.4 61.4

66 38.6 44.0 84.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.08 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Tgt Ion: 70 Resp: 114719

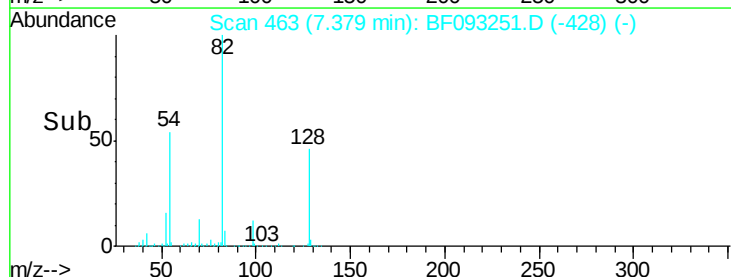
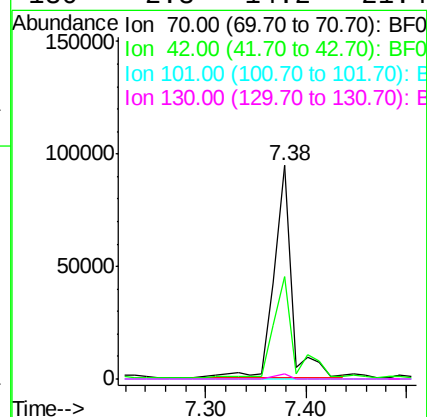
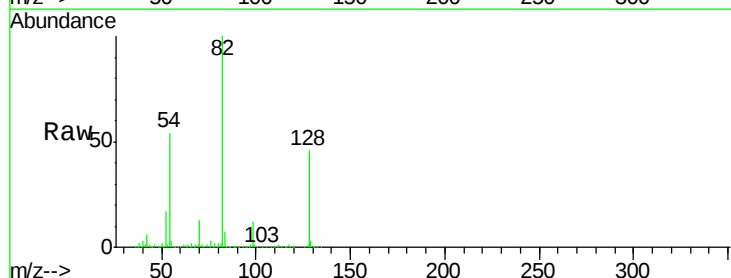
Ion Ratio Lower Upper

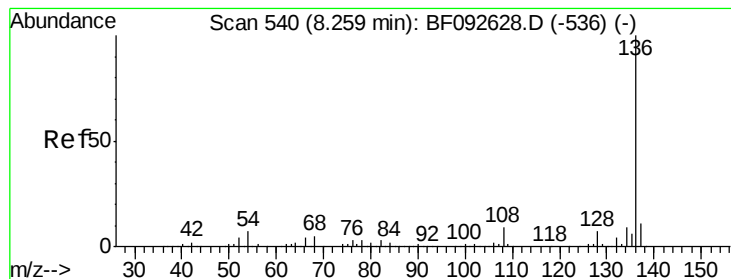
70 100

42 47.8 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 501123

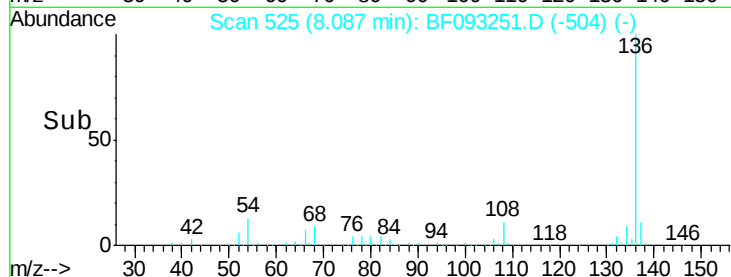
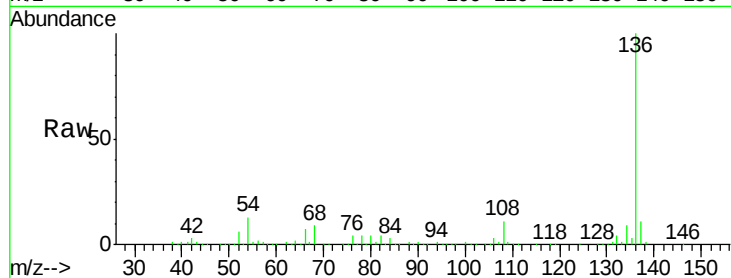
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 13.3 4.5 6.7#

68 9.1 3.6 5.4#

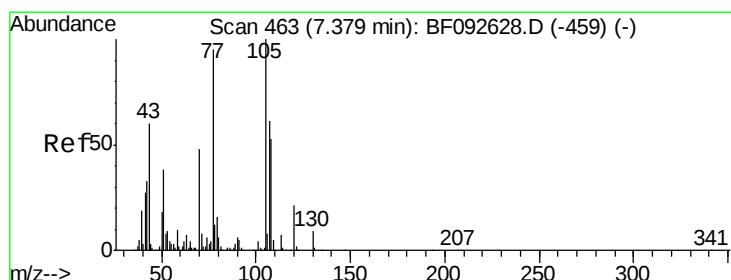
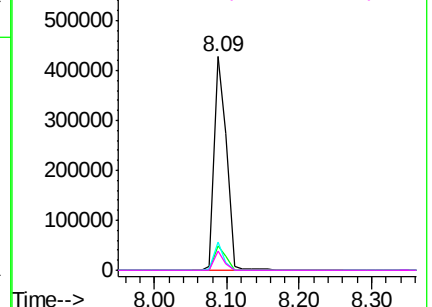


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.40 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Tgt Ion:105 Resp: 27466

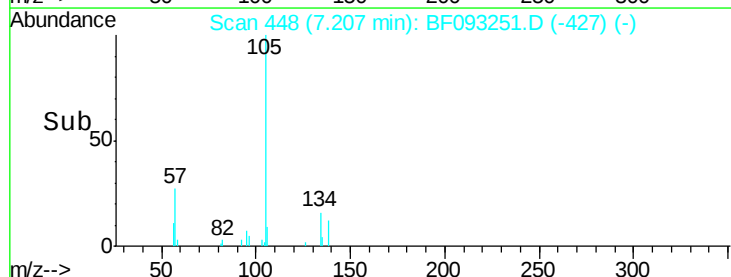
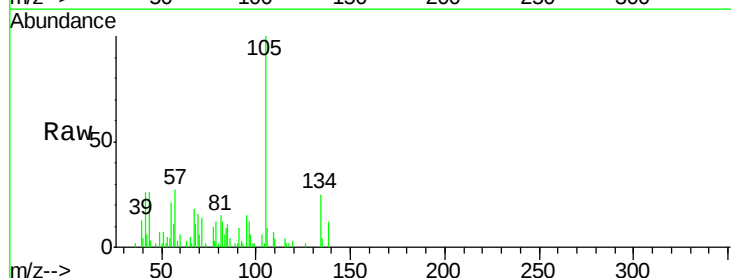
Ion Ratio Lower Upper

105 100

71 13.9 3.2 4.8#

51 6.7 26.2 39.4#

120 0.0 16.6 24.8#

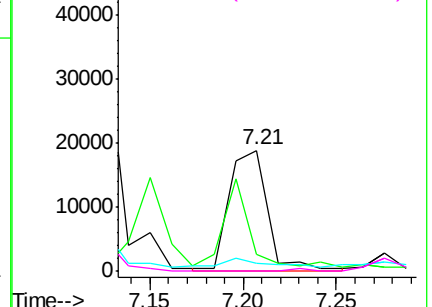


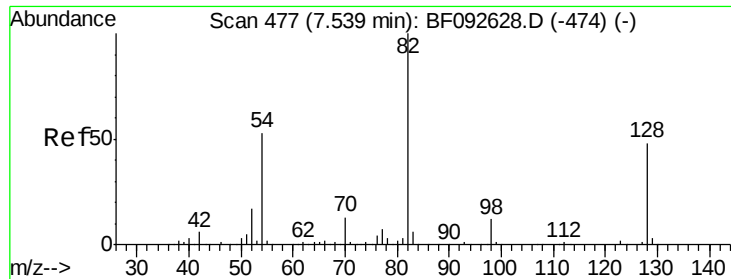
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

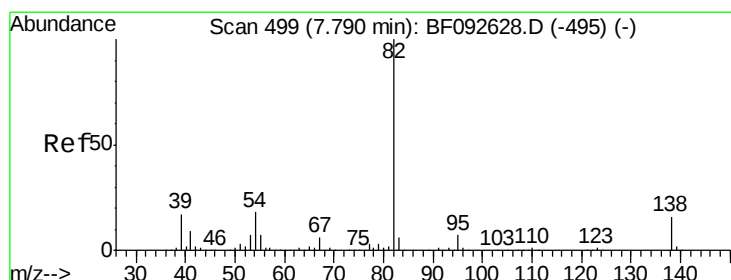
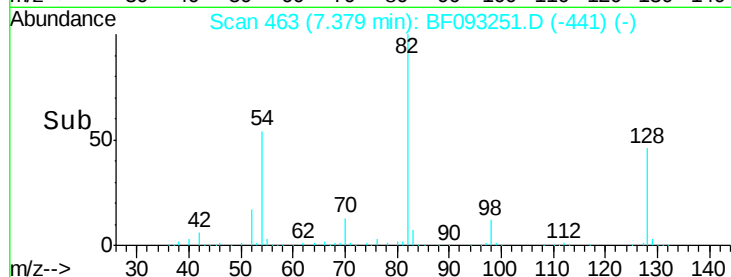
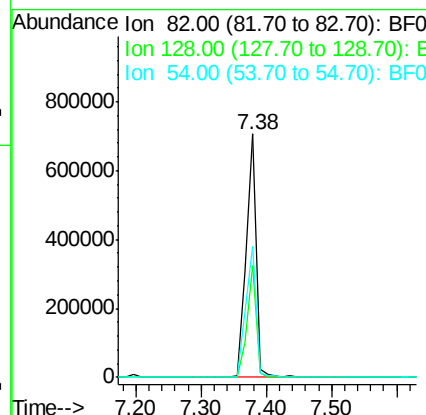
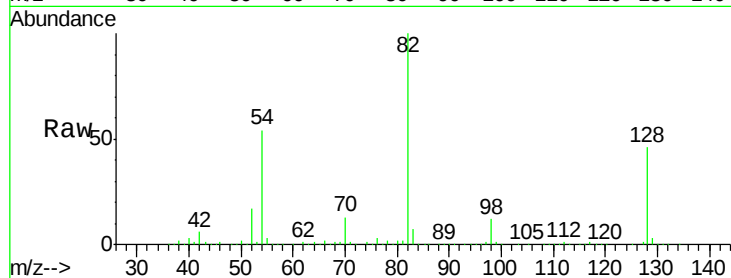




#23
 Nitrobenzene-d5
 Concen: 81.17 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

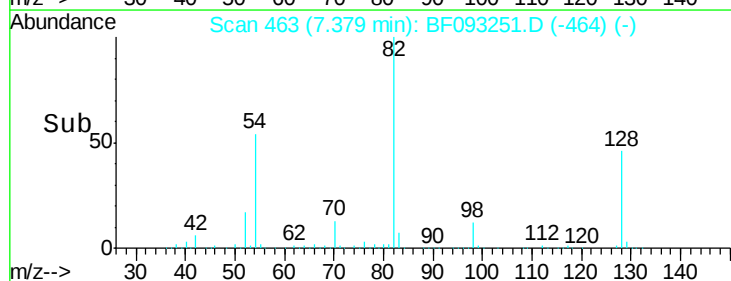
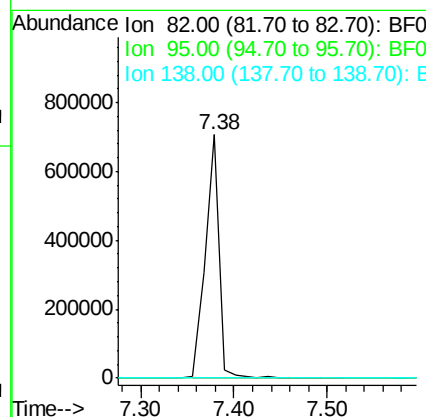
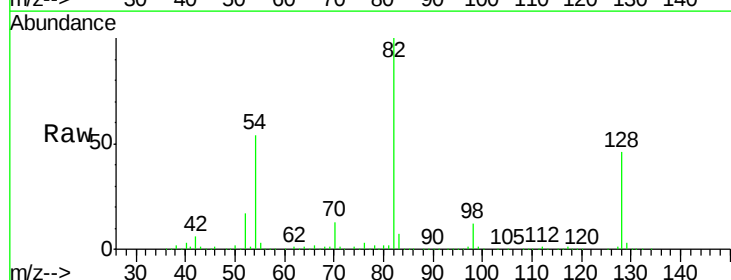
Instrument :
 BNA_F
 ClientSampled :

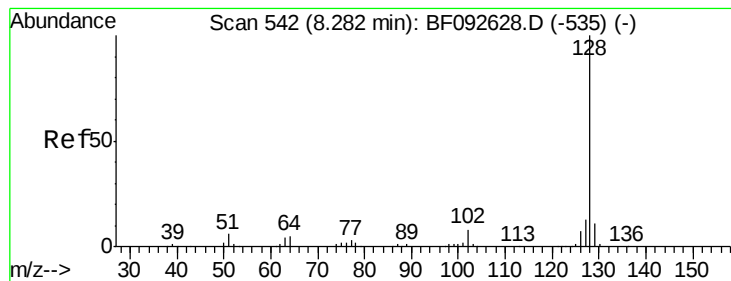
Tot Ion: 82 Resp: 730424
 Ion Ratio Lower Upper
 82 100
 128 45.8 34.6 52.0
 54 53.9 39.5 59.3



#25
 Isophorone
 Concen: 43.15 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.31 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Tgt Ion: 82 Resp: 723523
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.6 8.4#
 138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 3.81 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.06 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

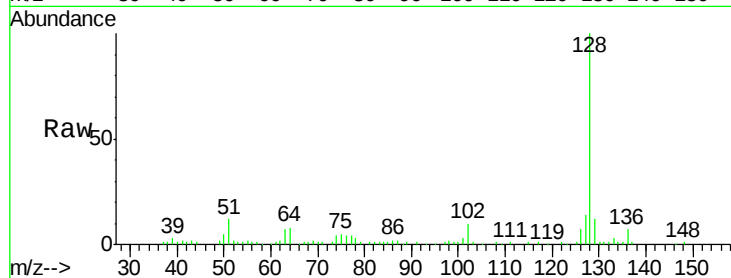
Tot Ion:128 Resp: 96679

Ion Ratio Lower Upper

128 100

129 12.1 9.5 14.3

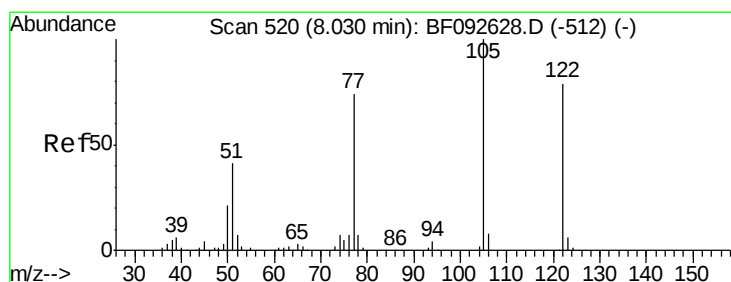
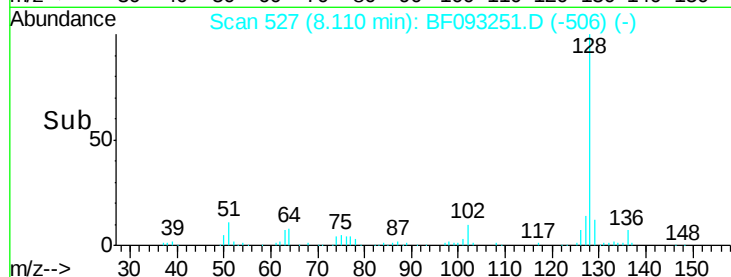
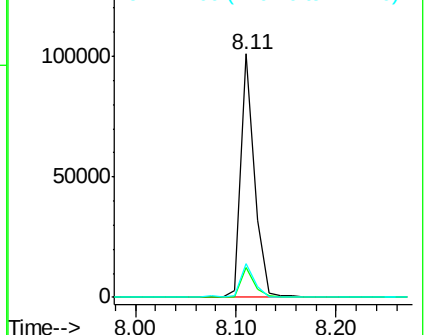
127 13.7 10.8 16.2



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: 7.67 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.02 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

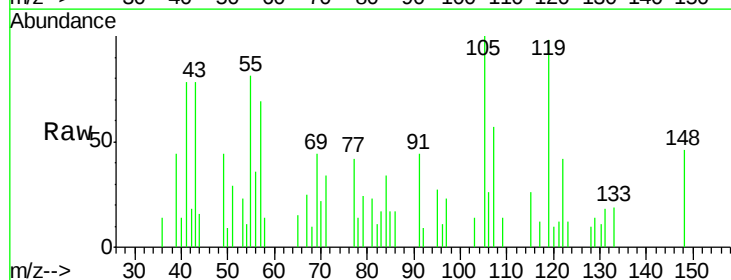
Tgt Ion:122 Resp: 2612

Ion Ratio Lower Upper

122 100

105 237.9 107.2 147.2#

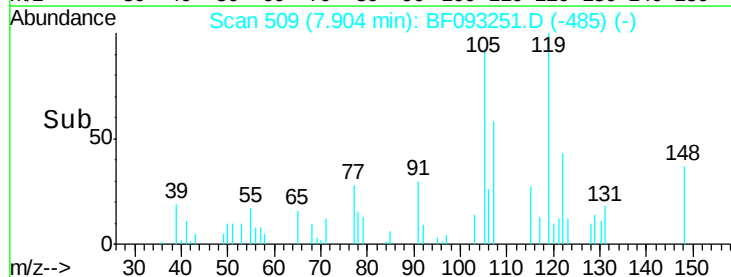
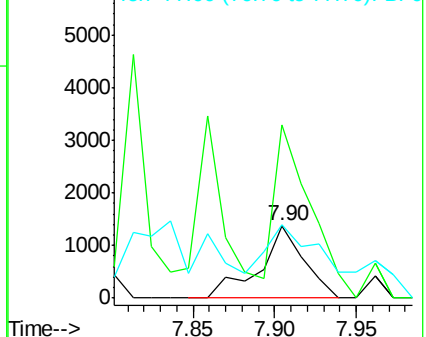
77 101.1 74.5 114.5

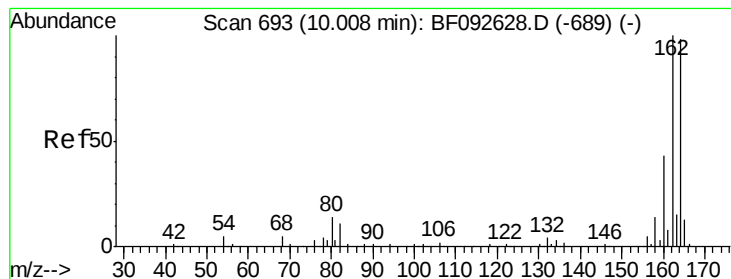


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

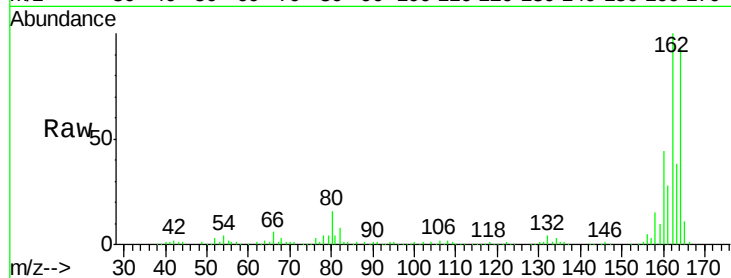
Tot Ion:164 Resp: 206325

Ion Ratio Lower Upper

164 100

162 107.4 80.2 120.2

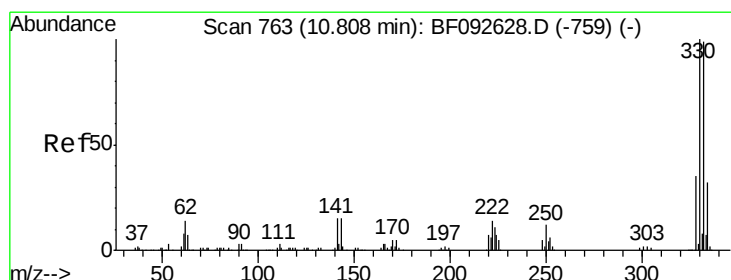
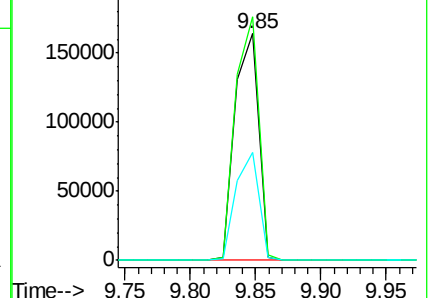
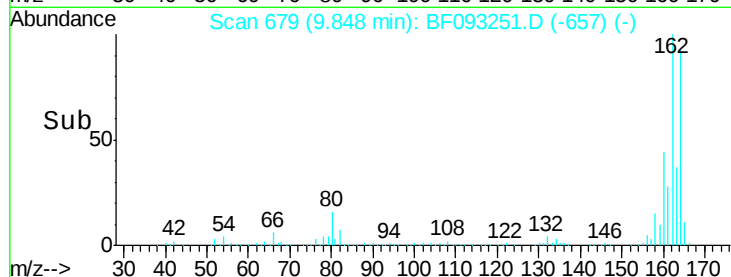
160 47.6 36.9 55.3



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: 97.83 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

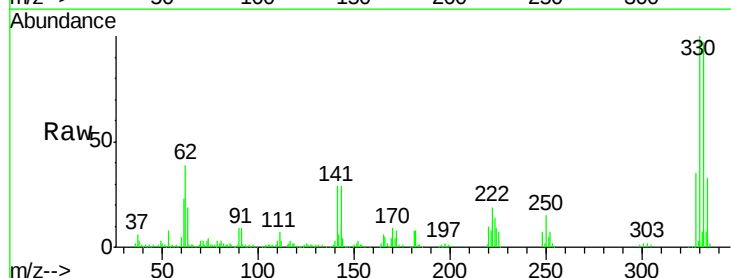
Tgt Ion:330 Resp: 145984

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

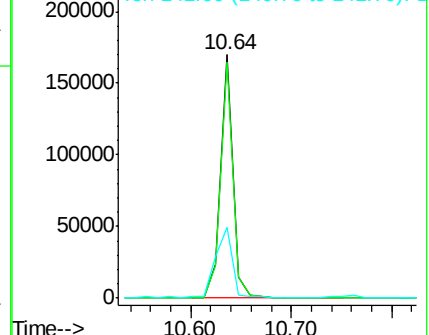
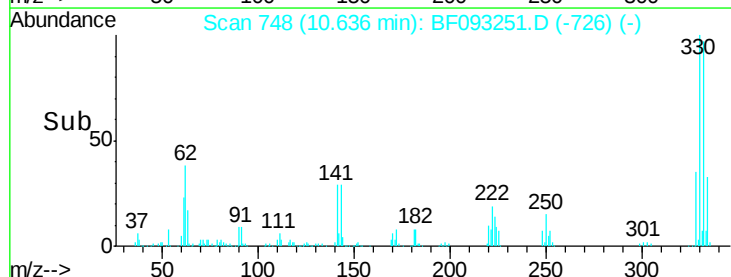
141 40.0 34.1 51.1

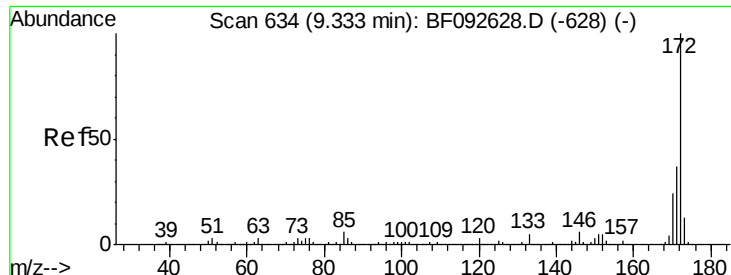


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

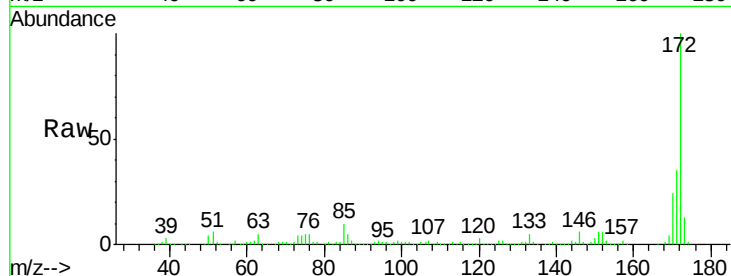




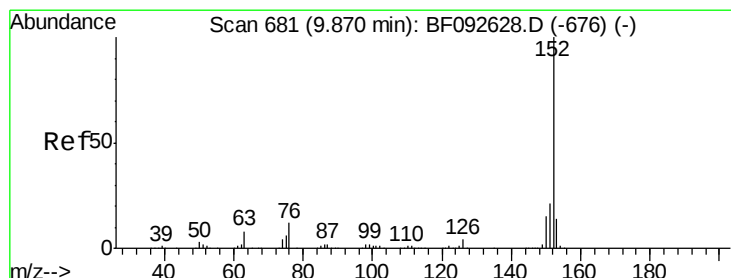
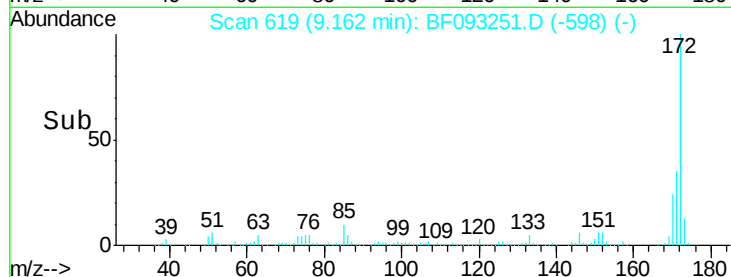
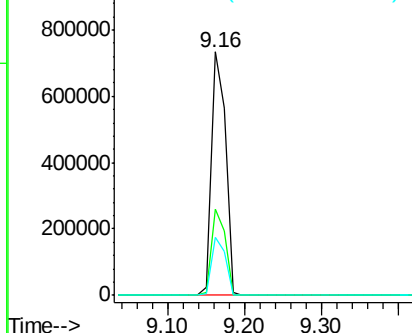
#44
2-Fluorobiphenyl
Concen: 80.74 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 919557
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.6 20.2 30.4

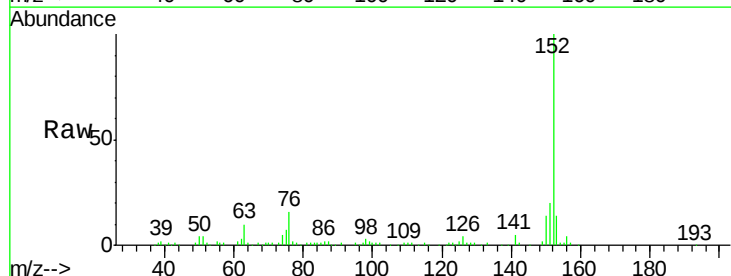


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

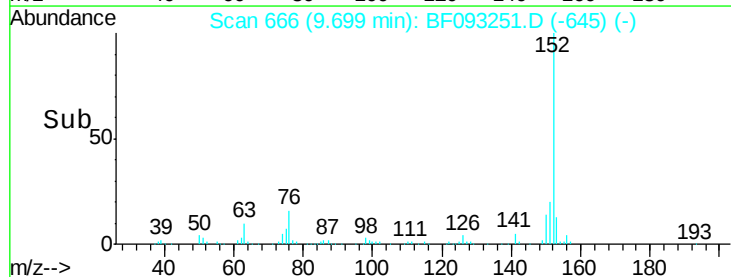
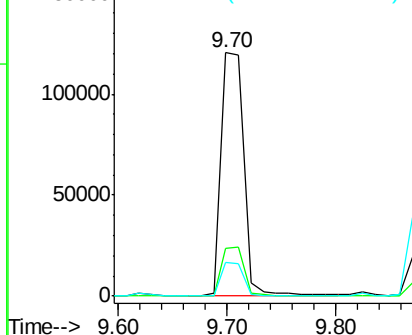


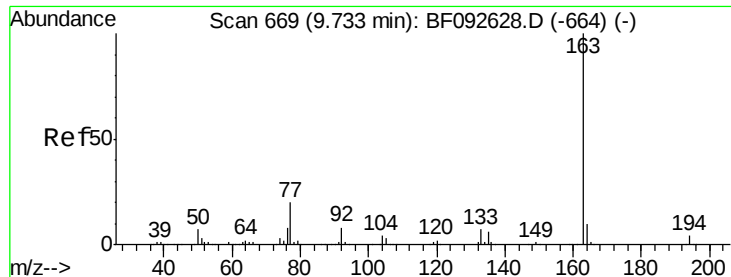
#48
Acenaphthylene
Concen: 8.69 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:152 Resp: 175350
Ion Ratio Lower Upper
152 100
151 19.6 16.9 25.3
153 13.7 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

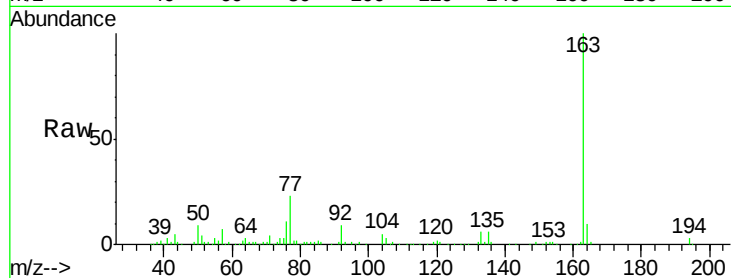




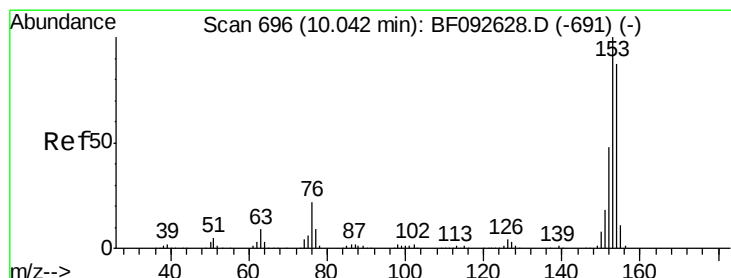
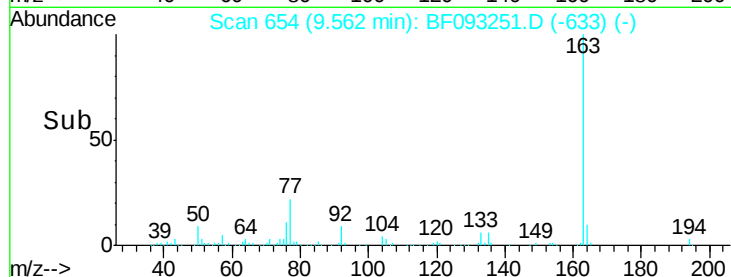
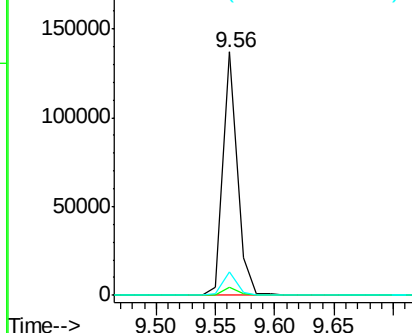
#49
Dimethylphthalate
Concen: 8.18 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 113737
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 9.7 8.0 12.0

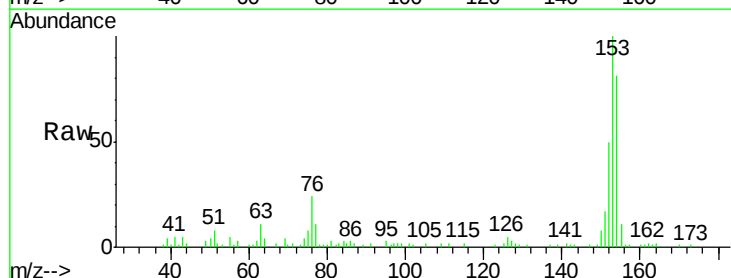


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

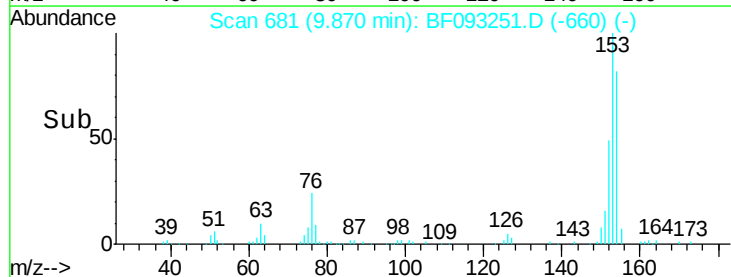
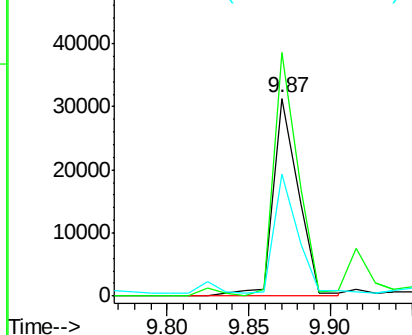


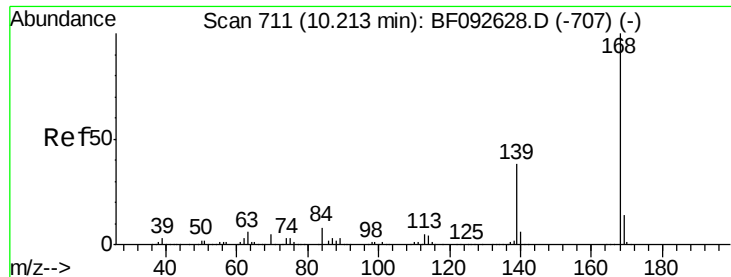
#51
Acenaphthene
Concen: 2.78 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:154 Resp: 33550
Ion Ratio Lower Upper
154 100
153 123.2 88.6 133.0
152 61.7 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

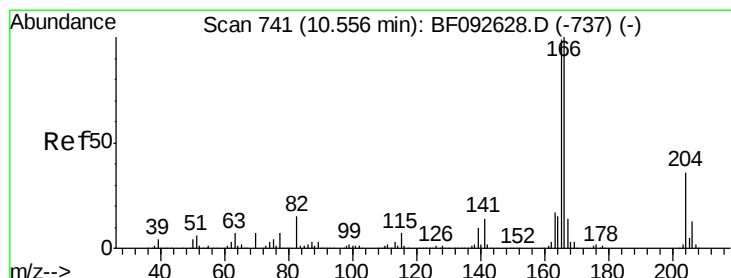
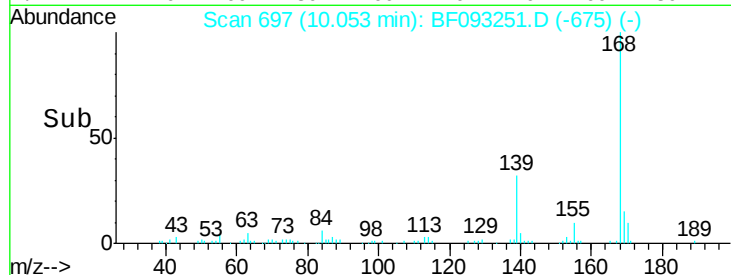
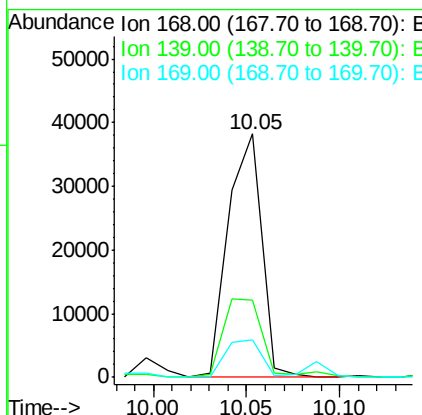
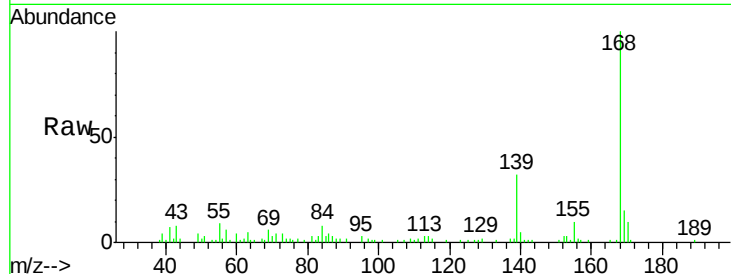




#54
Dibenzenofuran
Concen: 2.98 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

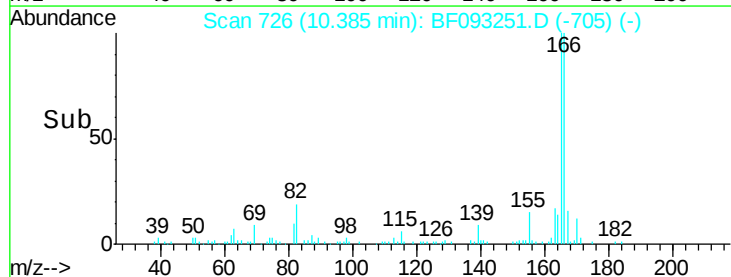
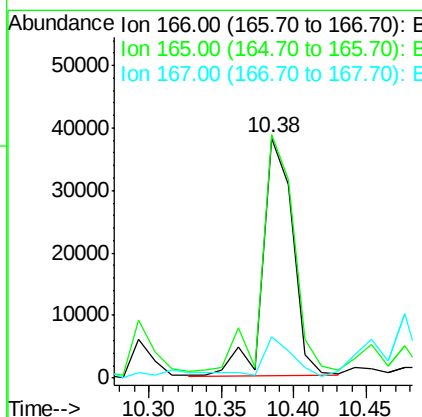
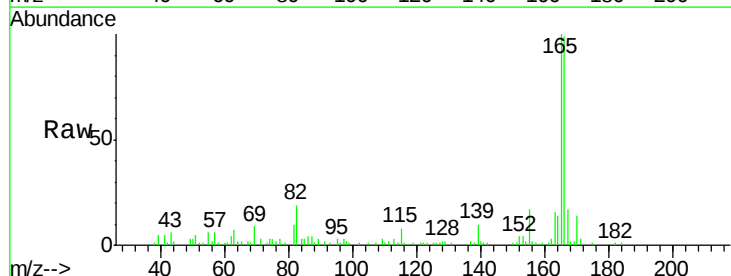
Instrument :
BNA_F
ClientSampleId :

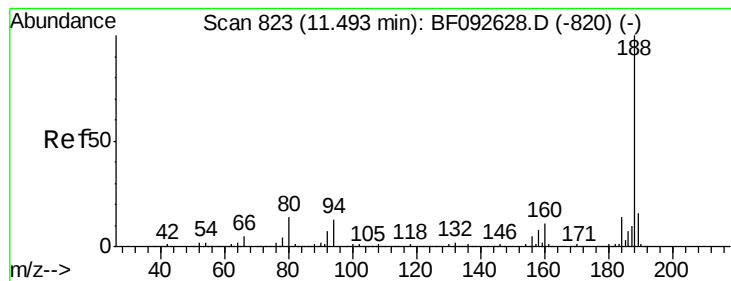
Tot Ion	Ratio	Lower	Upper
168	100		
139	31.5	32.6	49.0#
169	15.5	11.3	16.9



#57
Fluorene
Concen: 4.39 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	77.8	116.8
167	17.1	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

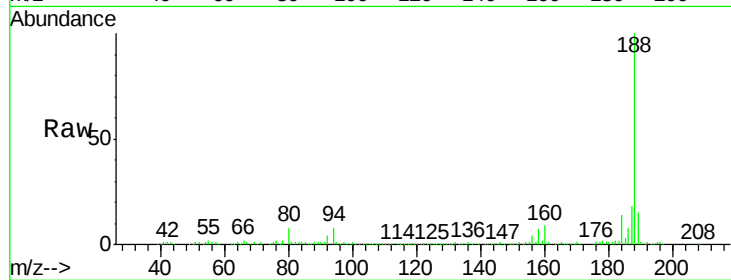
Tot Ion:188 Resp: 315028

Ion Ratio Lower Upper

188 100

94 7.5 10.0 15.0#

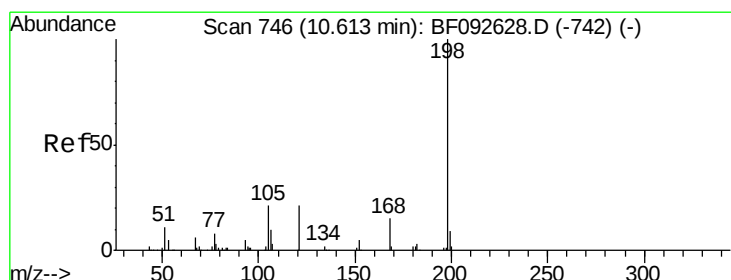
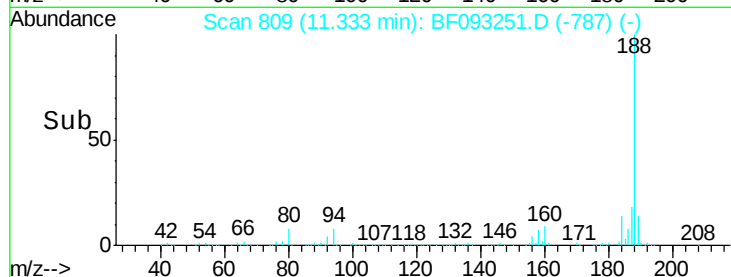
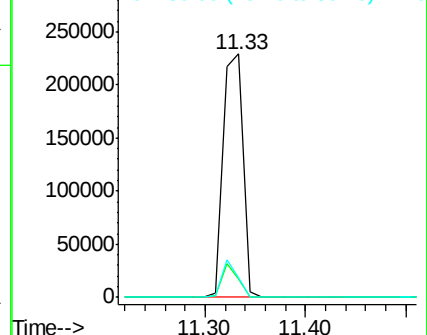
80 8.3 11.2 16.8#



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: 2.82 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

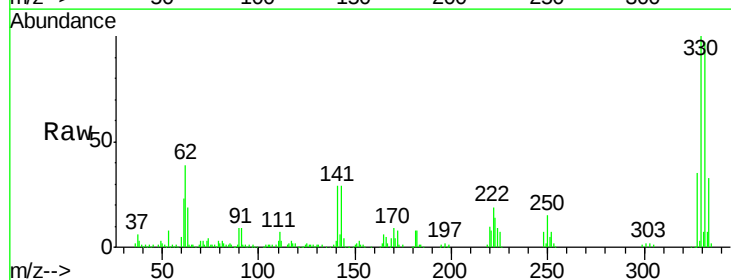
Tgt Ion:198 Resp: 300

Ion Ratio Lower Upper

198 100

51 351.1 6.7 46.7#

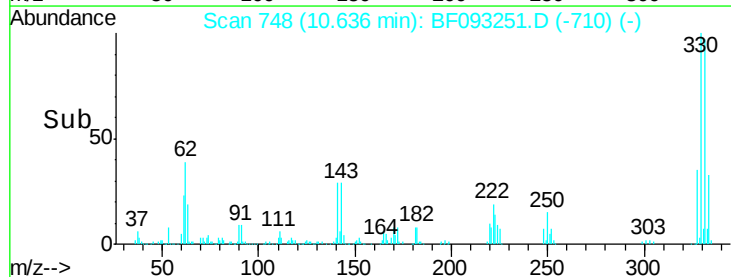
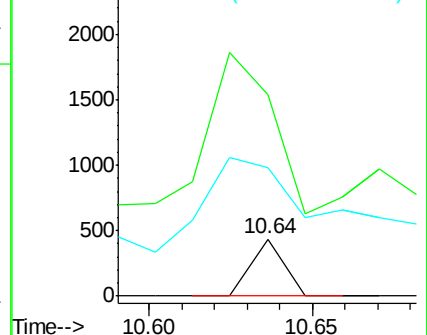
105 223.3 16.6 56.6#

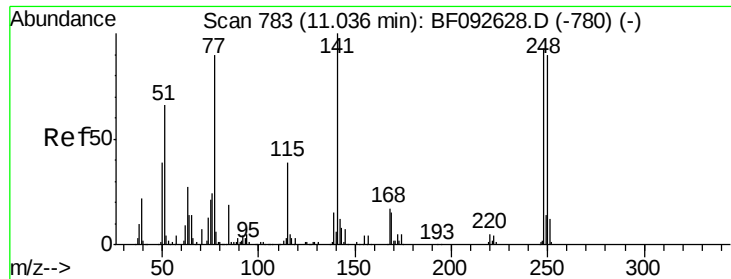


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

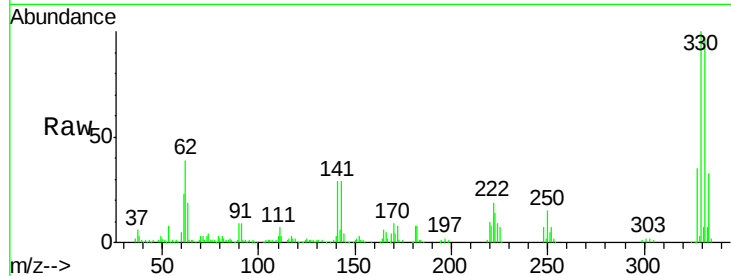




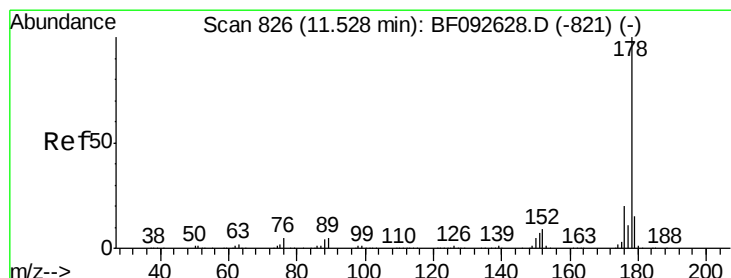
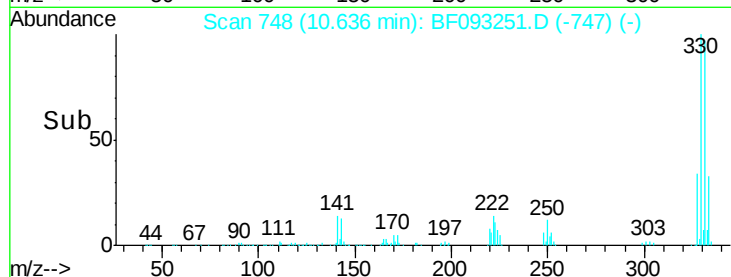
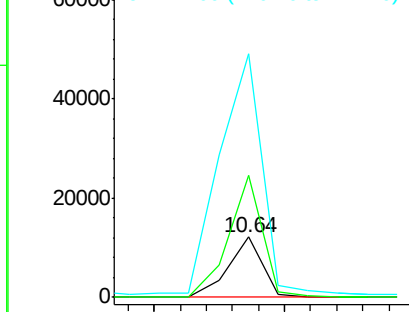
#66
 4-Bromophenyl-phenylether
 Concen: 3.39 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.29 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11170
 Ion Ratio Lower Upper
 248 100
 250 202.4 76.9 115.3#
 141 402.3 68.2 102.4#

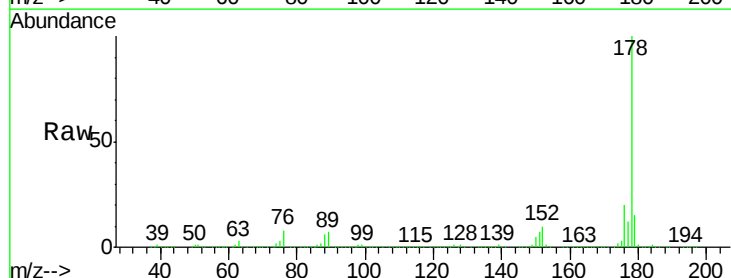


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

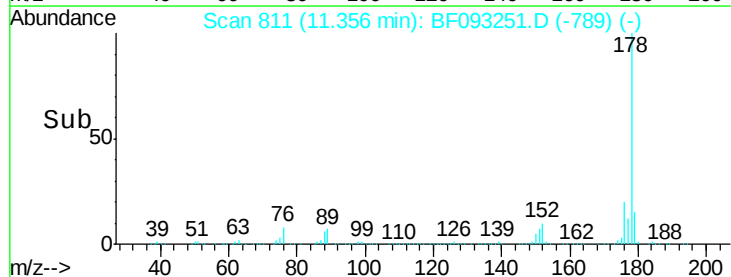
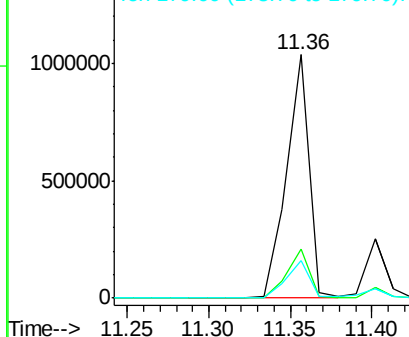


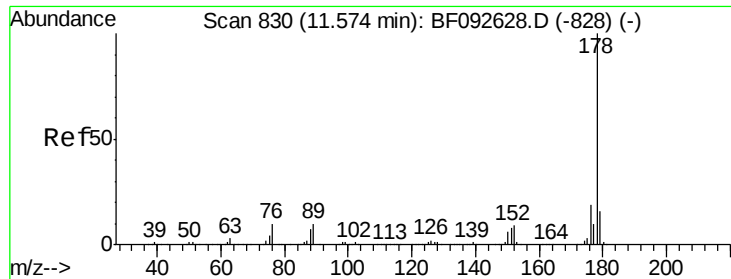
#70
 Phenanthrene
 Concen: 55.14 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Tgt Ion:178 Resp: 995177
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 15.3 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

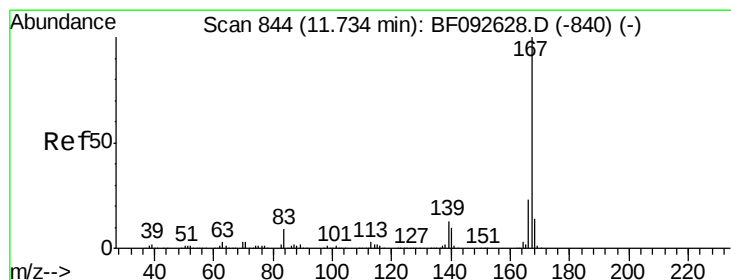
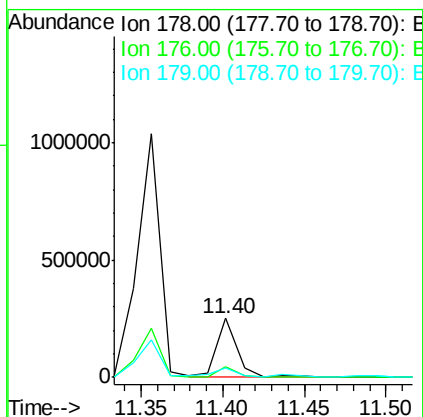
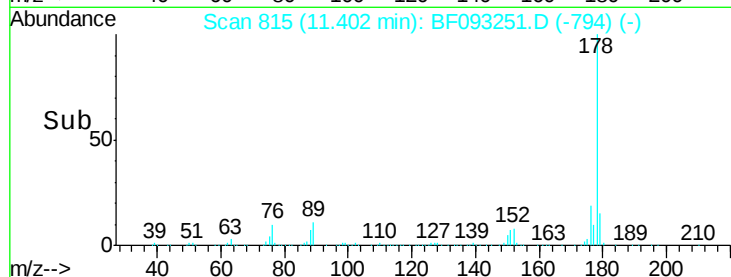
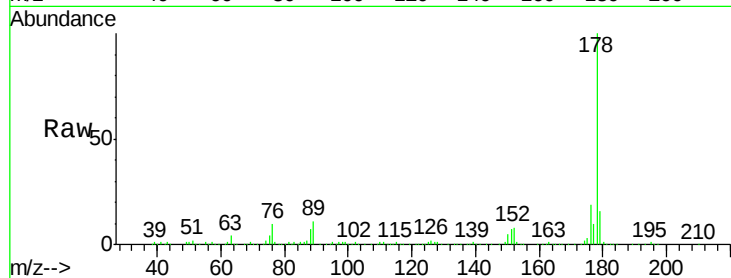




#71
 Anthracene
 Concen: 11.77 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.06 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

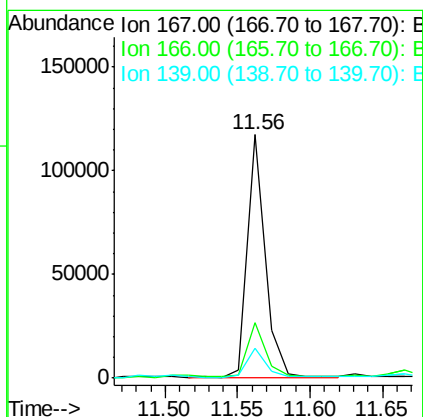
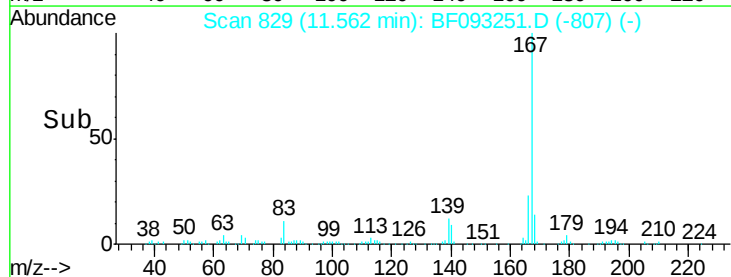
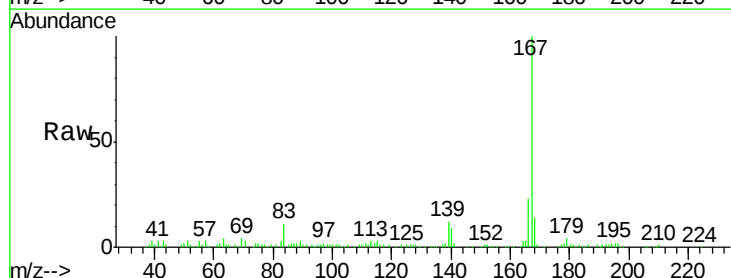
Instrument :
 BNA_F
 ClientSampleId :

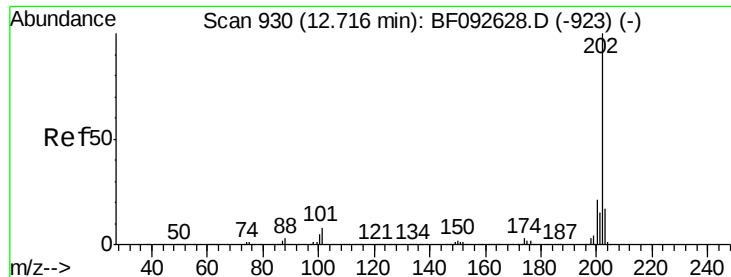
Tot Ion:178 Resp: 213322
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.9 23.9
 179 15.7 13.2 19.8



#72
 Carbazole
 Concen: 5.79 ng
 RT: 11.56 min Scan# 829
 Delta R.T. -0.05 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Tgt Ion:167 Resp: 100359
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 12.3 11.4 17.2





#74

Fluoranthene

Concen: 63.02 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

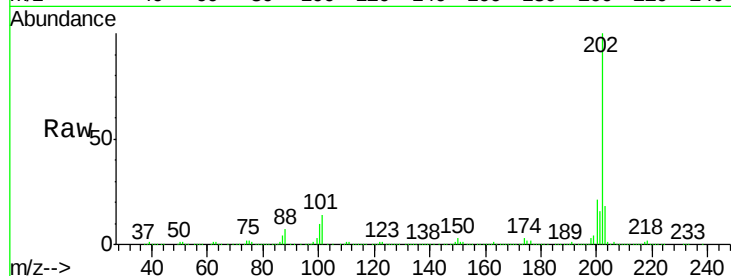
Tot Ion:202 Resp: 1173156

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.6

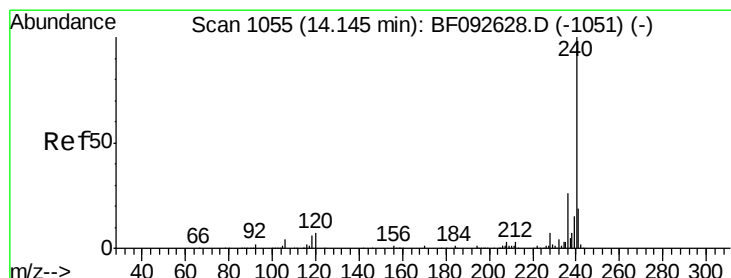
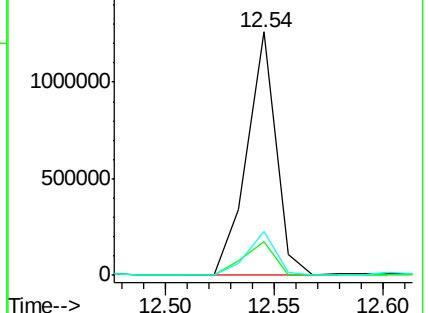
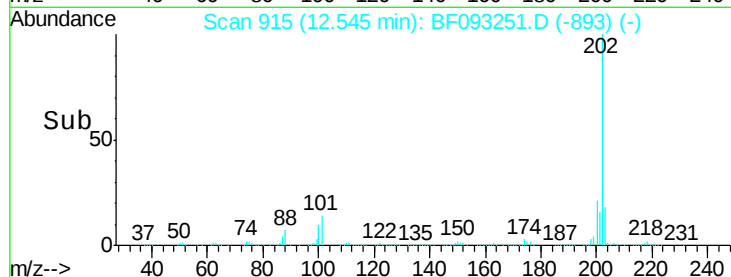
203 18.0 0.0 38.7



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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

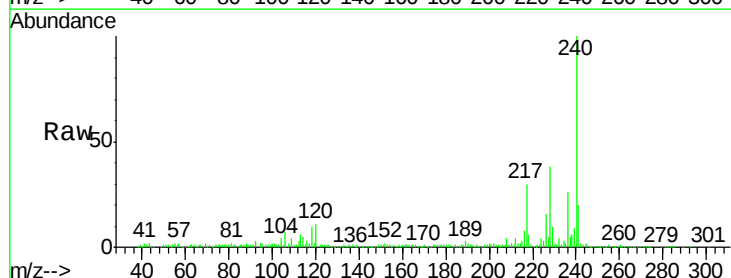
Tgt Ion:240 Resp: 312631

Ion Ratio Lower Upper

240 100

120 11.4 12.9 19.3#

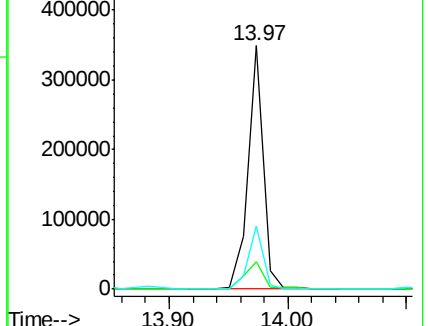
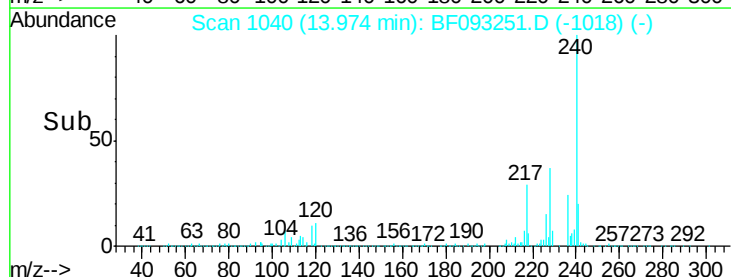
236 26.1 20.9 31.3

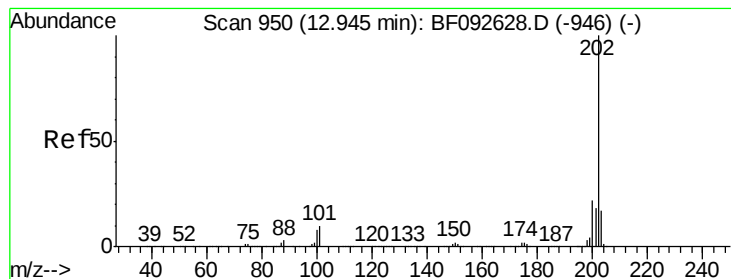


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 52.40 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

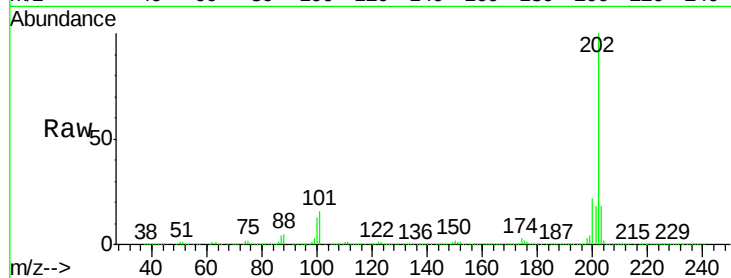
Tot Ion:202 Resp: 1226046

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

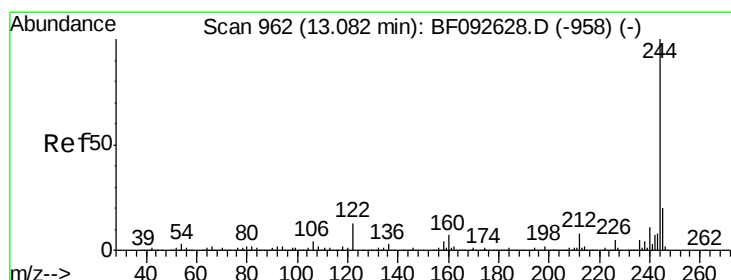
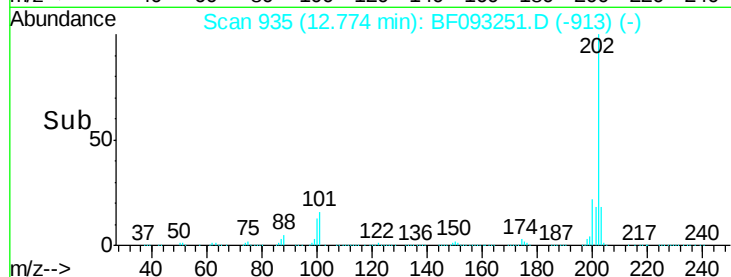
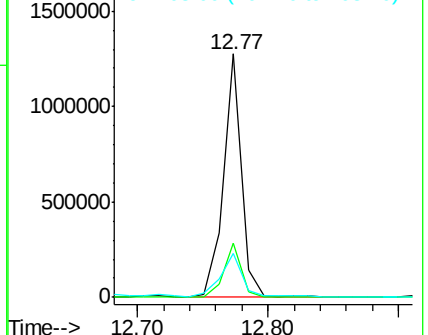
203 17.8 14.7 22.1



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: 42.29 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

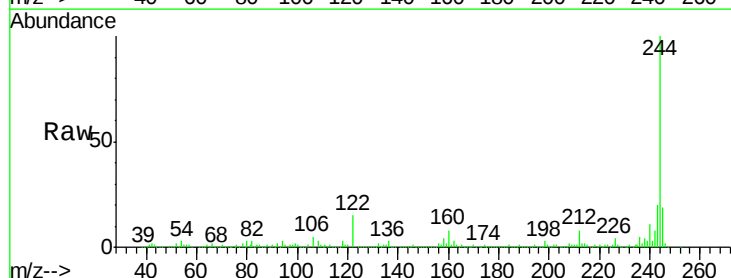
Tgt Ion:244 Resp: 562662

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

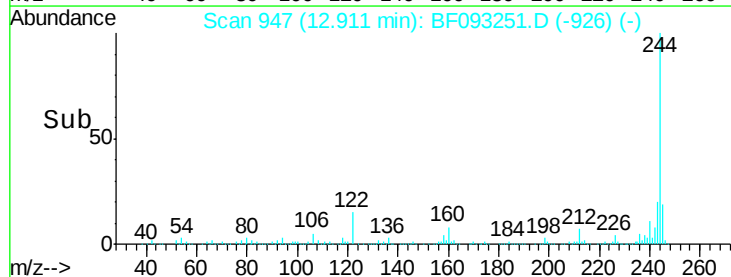
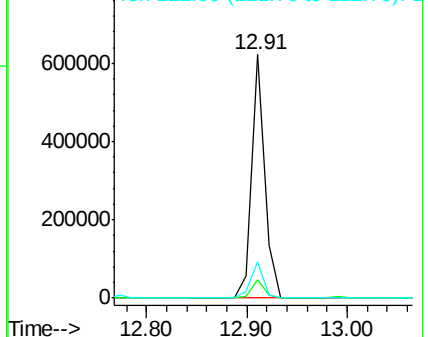
122 14.7 11.4 17.2

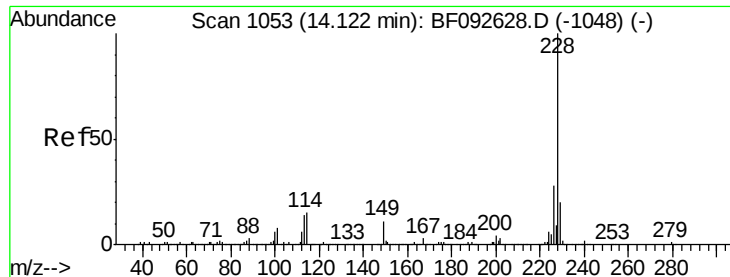


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 36.30 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

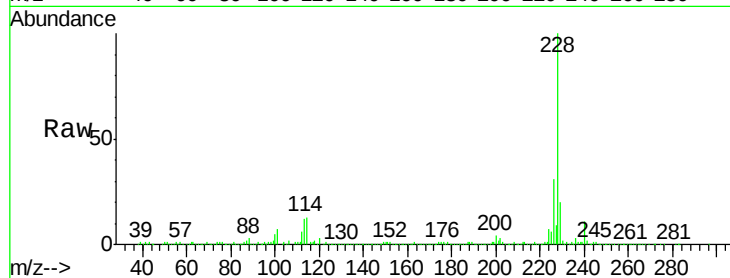
Tot Ion:228 Resp: 694174

Ion Ratio Lower Upper

228 100

226 31.2 22.4 33.6

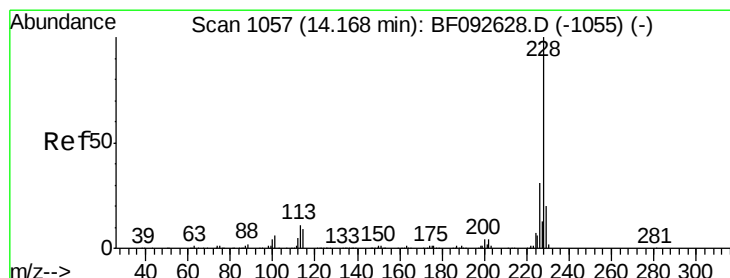
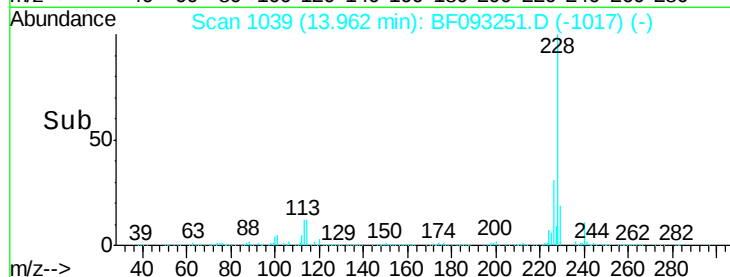
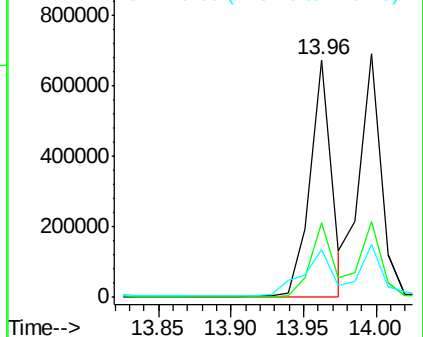
229 20.1 16.2 24.4



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: 31.36 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

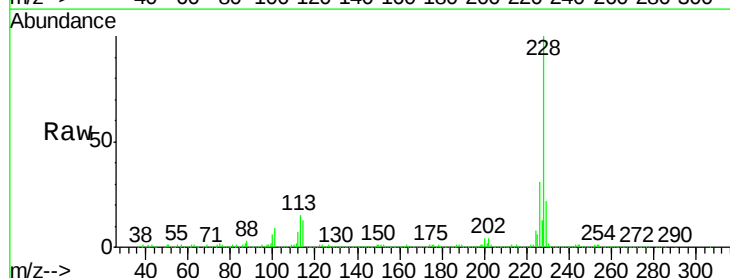
Tgt Ion:228 Resp: 561405

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

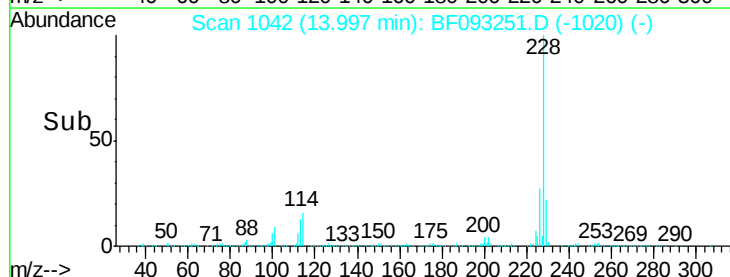
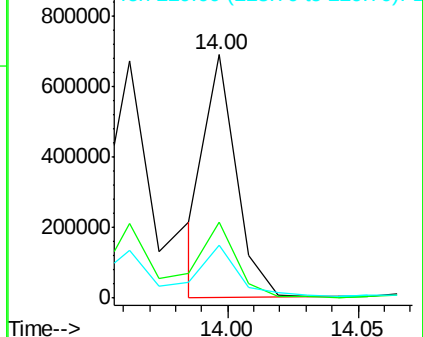
229 21.7 16.2 24.2

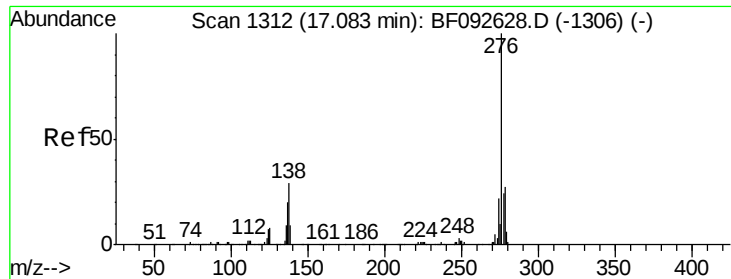


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

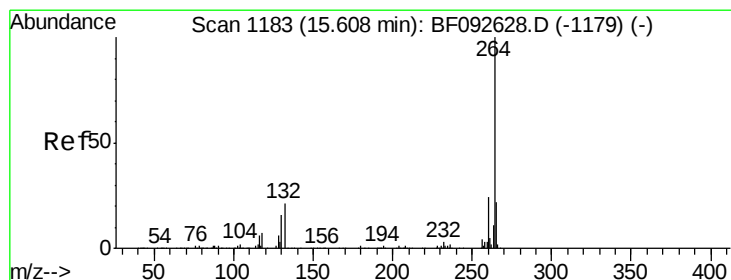
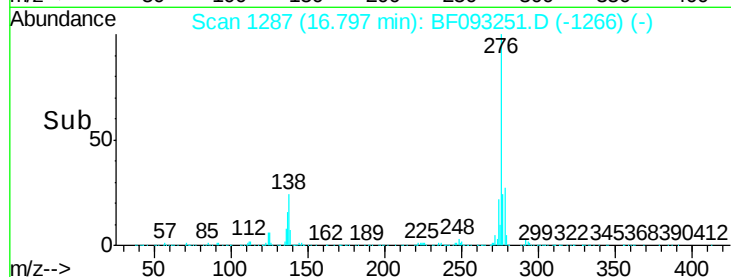
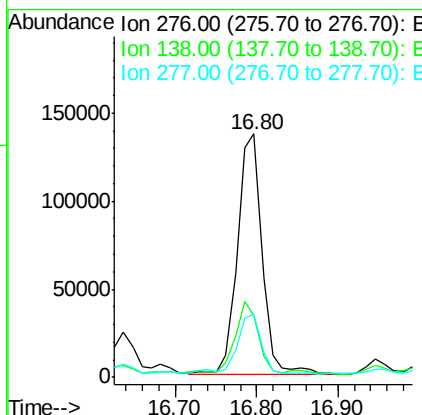
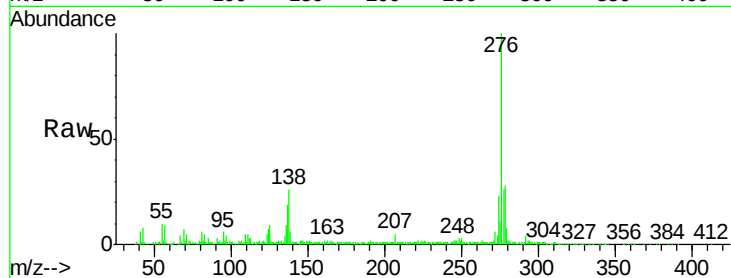




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.58 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. -0.06 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

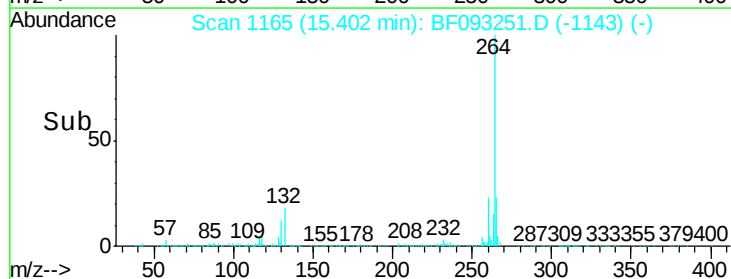
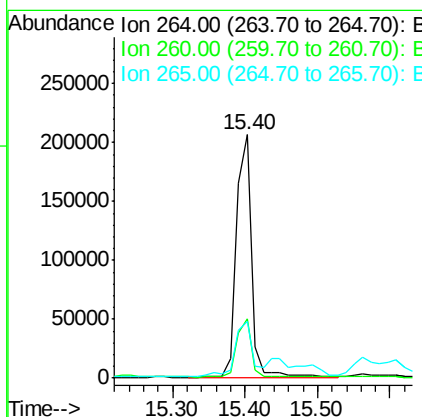
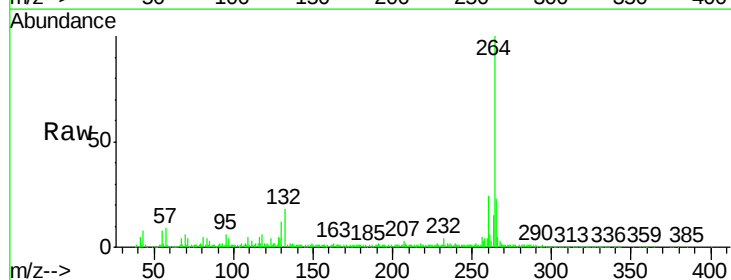
Instrument :
 BNA_F
 ClientSampleId :

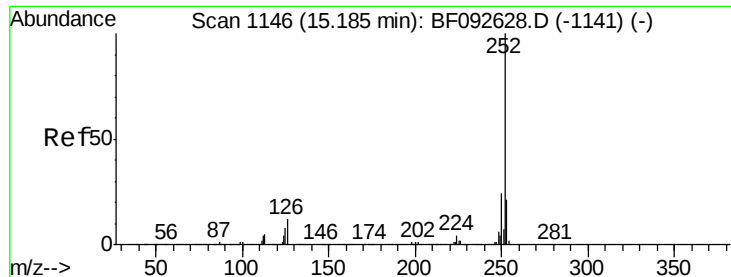
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	24.8	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 53.04 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

Instrument :

BNA_F

ClientSampleId :

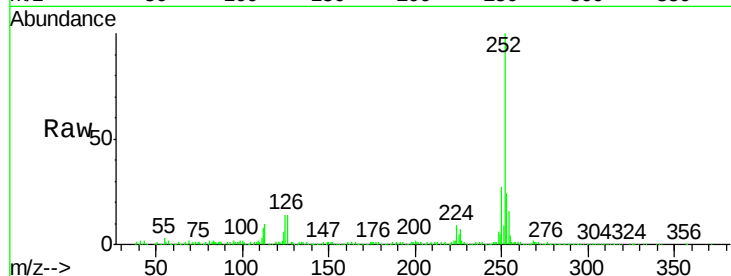
Tot Ion:252 Resp: 1040032

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

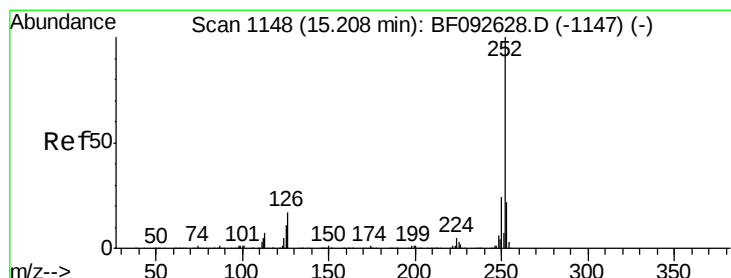
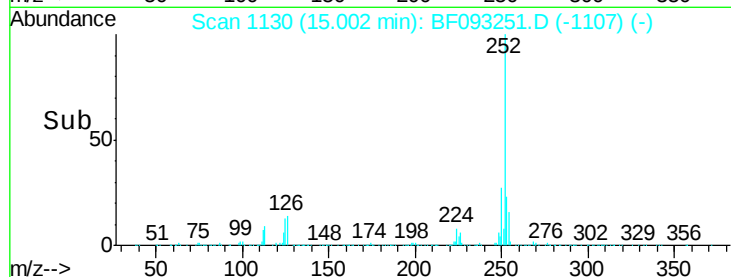
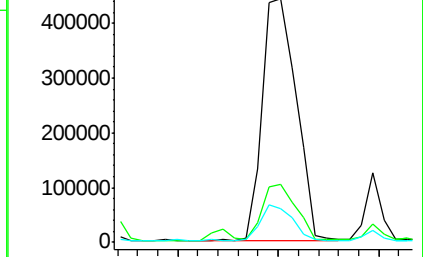
125 13.8 9.8 14.6



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: 61.43 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093251.D

Acq: 28 Feb 2017 16:27

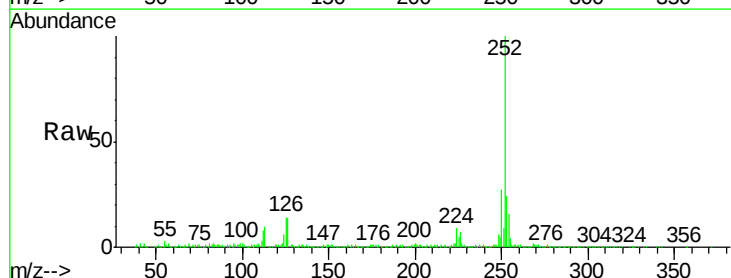
Tgt Ion:252 Resp: 1040032

Ion Ratio Lower Upper

252 100

253 23.8 18.5 27.7

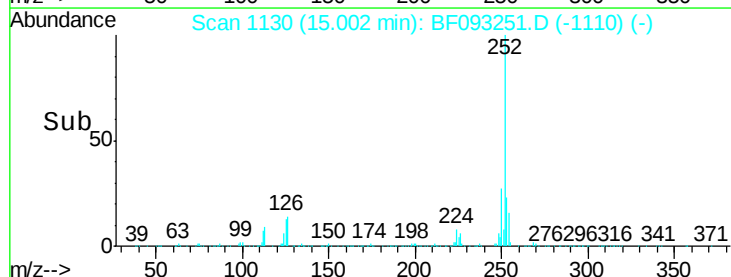
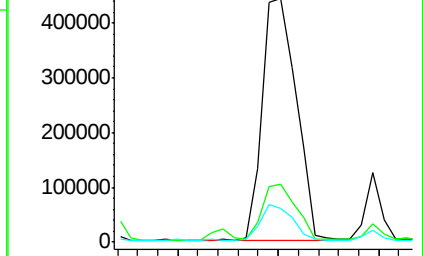
125 13.8 8.9 13.3#

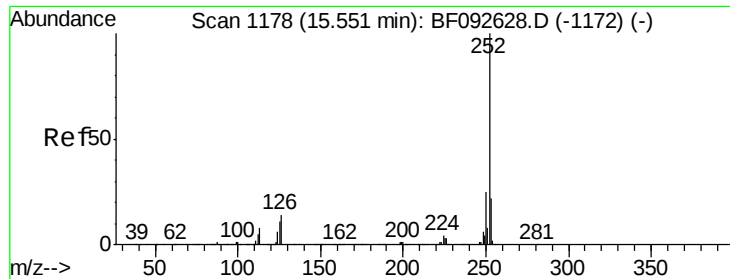


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

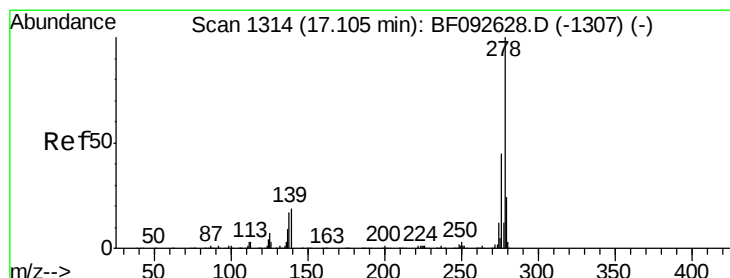
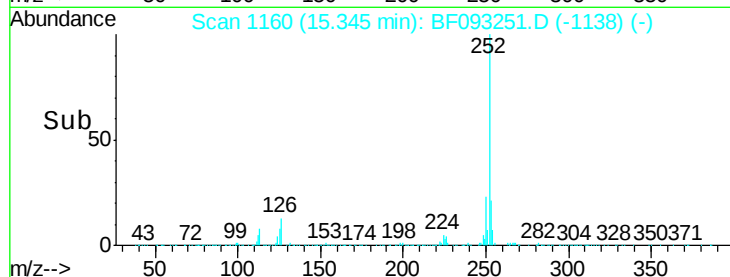
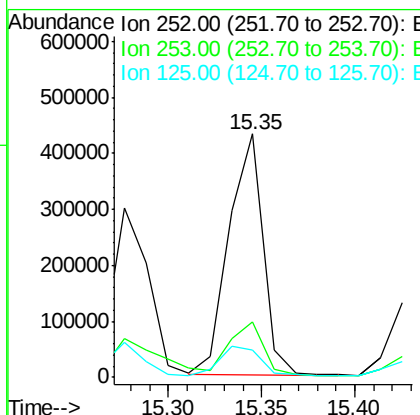
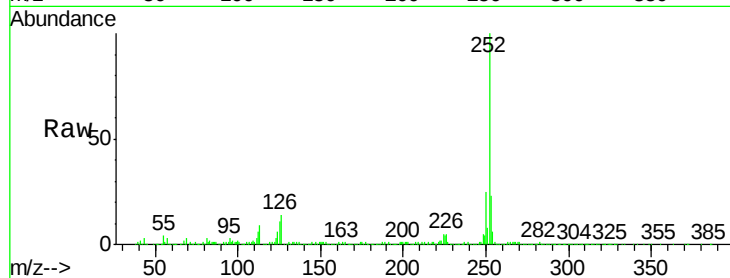




#89
Benzo(a)pyrene
Concen: 32.72 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

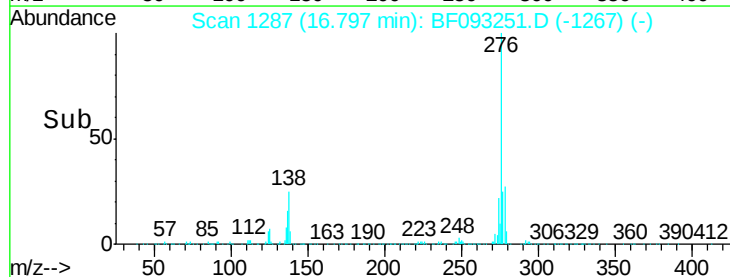
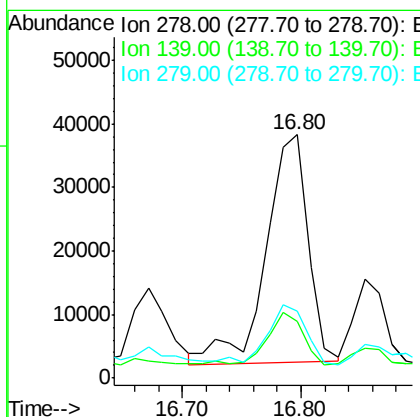
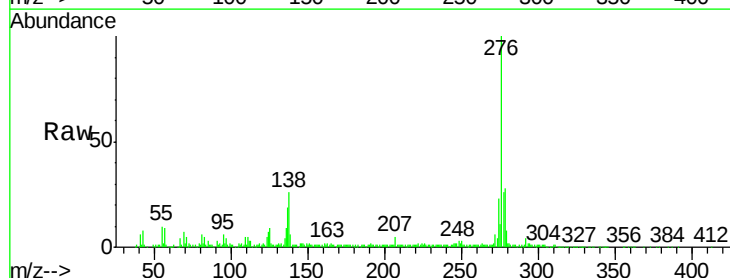
Instrument :
BNA_F
ClientSampleId :

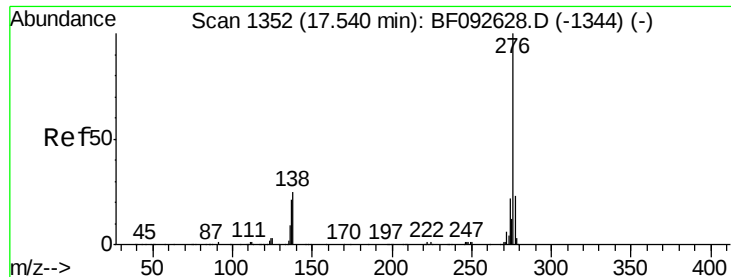
Tot Ion:252 Resp: 554889
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.0 10.0 15.0



#90
Dibenzo(a,h)anthracene
Concen: 6.40 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:278 Resp: 87769
Ion Ratio Lower Upper
278 100
139 23.1 14.8 22.2#
279 27.6 19.8 29.6

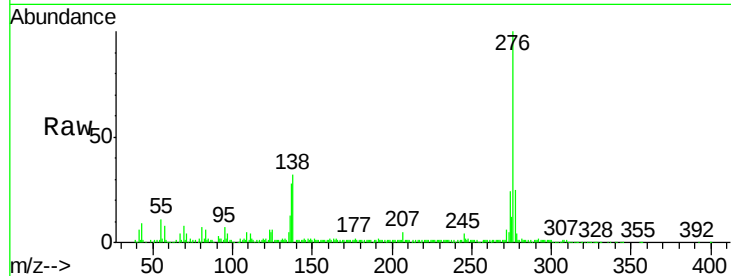




#91
 Benzo(a,h,i)perylene
 Concen: 19.56 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093251.D
 Acq: 28 Feb 2017 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	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

