

Data File : BF093237.D
Acq On : 28 Feb 2017 6:17
Operator : SJ/MA
Sample : I1997-03 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-W6-BASE

Quant Time: Feb 28 06:39:24 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	6.82	152	144912	20.00	ng	-0.03
21) Naphthalene-d8	8.11	136	520585	20.00	ng	-0.03
38) Acenaphthene-d10	9.86	164	216975	20.00	ng	-0.03
63) Phenanthrene-d10	11.36	188	345704	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	182040	20.00	ng	0.00
86) Perylene-d12	15.46	264	205997	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	526591	62.34	ng	-0.02
7) Phenol-d6	6.46	99	641079	58.99	ng	-0.02
23) Nitrobenzene-d5	7.39	82	387600	41.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	89330	56.92	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	623122	52.03	ng	-0.03
78) Terphenyl-d14	12.95	244	433796	55.99	ng	-0.02

Target Compounds						Qvalue
17) 2-Methylphenol	7.25	107	179062	22.40	ng	# 64
20) 3+4-Methylphenols	7.25	107	181933	19.03	ng	# 62
31) Naphthalene	8.12	128	289832	10.98	ng	99
32) Benzoic acid	7.92	122	3488	7.82	ng	# 51
33) 4-Chloroaniline	8.12	127	37900	3.66	ng	# 32
37) 2-Methylnaphthalene	8.82	142	116194	6.86	ng	97
45) 1,1'-Biphenyl	9.28	154	40721	2.59	ng	92
48) Acenaphthylene	9.72	152	93345	4.40	ng	96
49) Dimethylphthalate	9.58	163	195392	13.37	ng	99
51) Acenaphthene	9.89	154	362345	28.54	ng	96
53) 2,4-Dinitrophenol	10.14	184	441	4.99	ng	# 1
54) Dibenzofuran	10.06	168	340480	20.05	ng	93
55) 4-Nitrophenol	10.06	139	126477	48.62	ng	# 6
57) Fluorene	10.41	166	535641	41.01	ng	98
64) 4,6-Dinitro-2-methylphenol	10.53	198	215	2.77	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	59935	5.43	ng	# 1
70) Phenanthrene	11.39	178	4045053	204.23	ng	99
71) Anthracene	11.44	178	1876415	94.34	ng	100
72) Carbazole	11.58	167	380007	19.99	ng	100
74) Fluoranthene	12.60	202	5089076	249.10	ng	96
77) Pyrene	12.83	202	5214025	382.73	ng	96
80) Benzo(a)anthracene	14.01	228	3605041	323.79	ng	# 91
82) Chrysene	14.01	228	3605041	345.83	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.89	276	1592162	197.18	ng	96
87) Benzo(b)fluoranthene	15.06	252	4179879	308.28	ng	98
88) Benzo(k)fluoranthene	15.06	252	4179879	357.04	ng	98
89) Benzo(a)pyrene	15.41	252	2371607	202.21	ng	97
90) Dibenzo(a,h)anthracene	16.88	278	551694	58.20	ng	# 87
91) Benzo(g,h,i)perylene	17.32	276	1491304	155.74	ng	# 89

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

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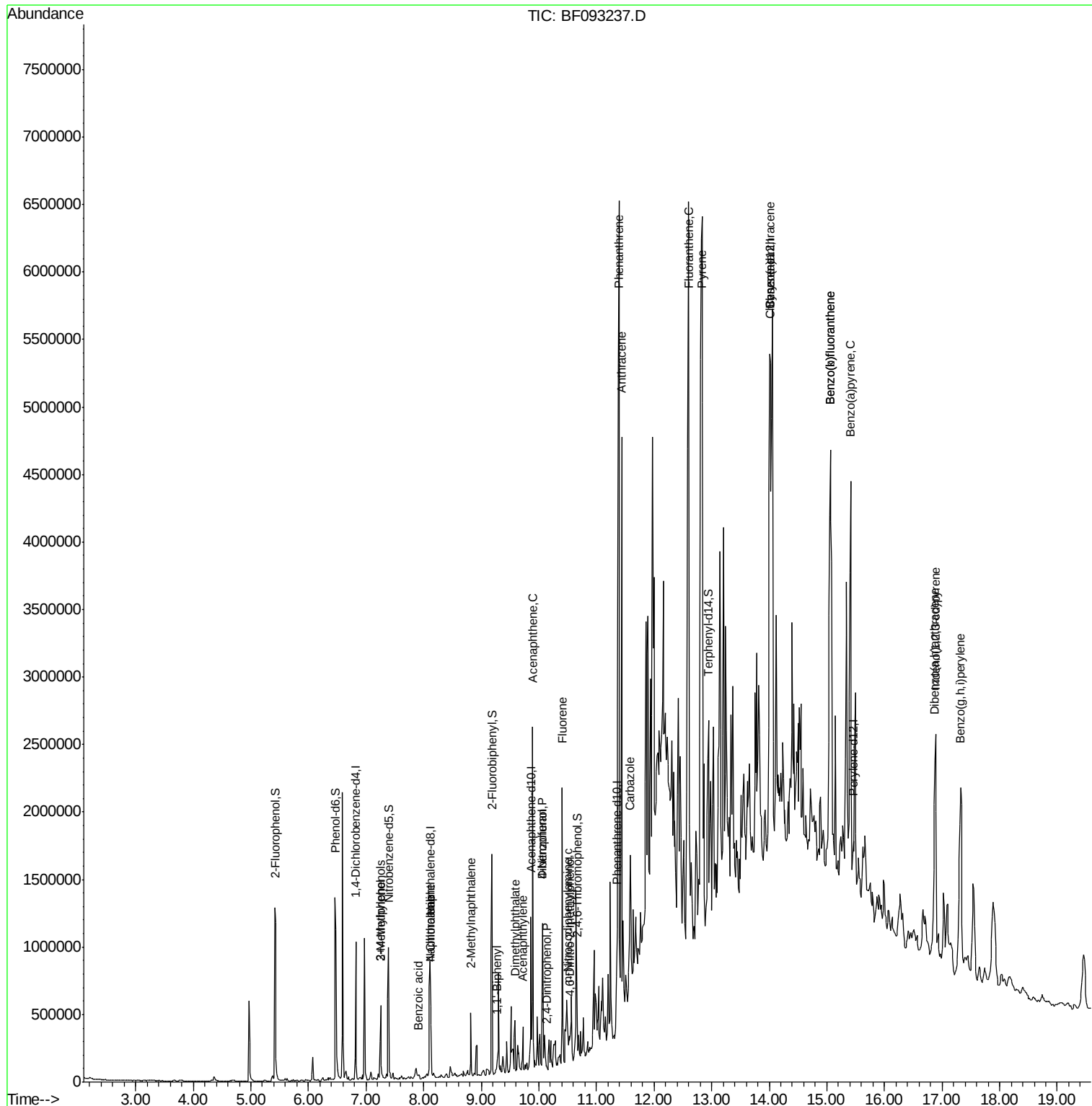
Quant Time: Feb 28 06:39:24 2017

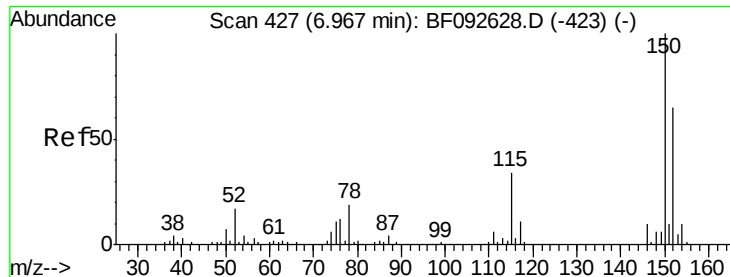
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.03 min

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Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

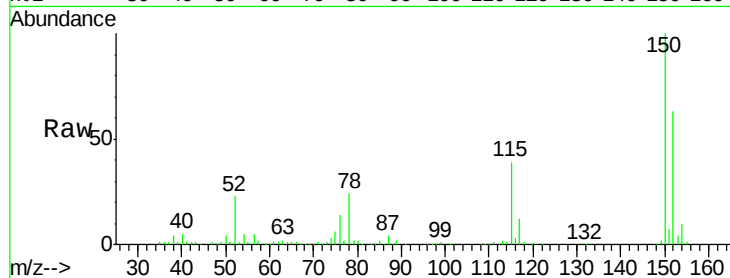
Tgt Ion:152 Resp: 144912

Ion Ratio Lower Upper

152 100

150 158.2 124.9 187.3

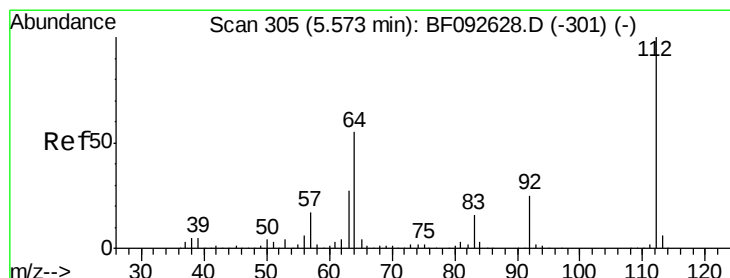
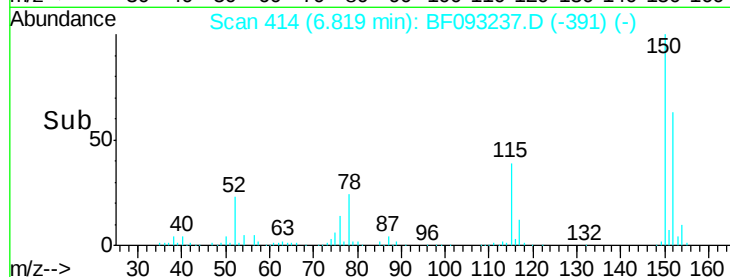
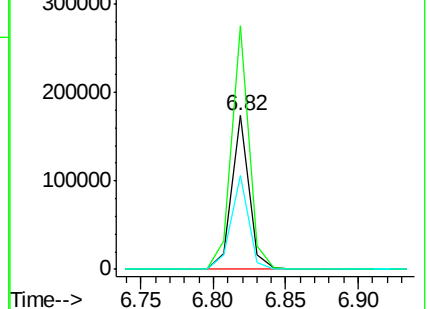
115 61.2 46.0 69.0



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: 62.34 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

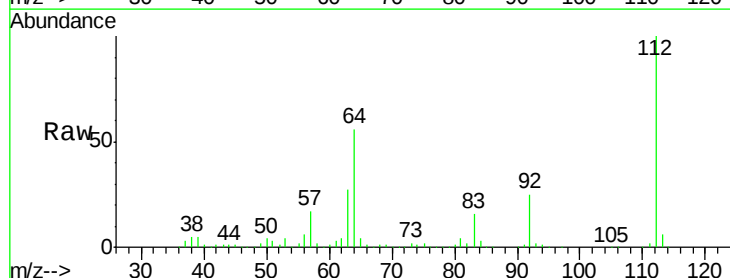
Tgt Ion:112 Resp: 526591

Ion Ratio Lower Upper

112 100

64 55.8 46.1 69.1

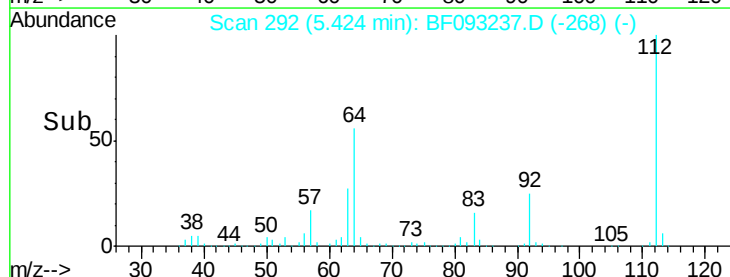
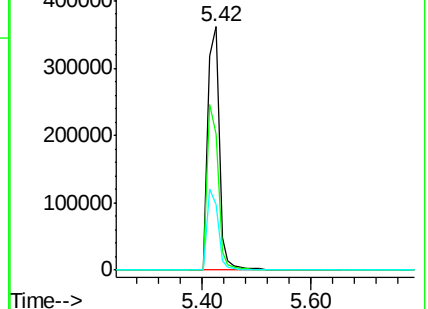
63 27.2 23.8 35.6

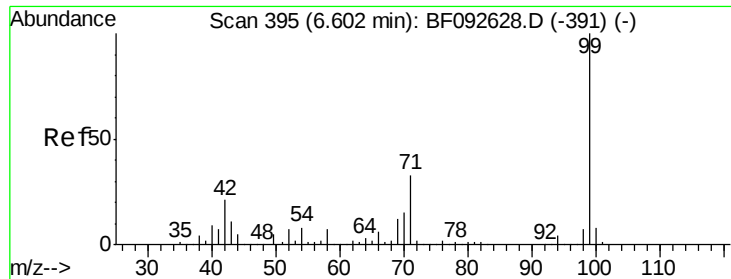


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.99 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

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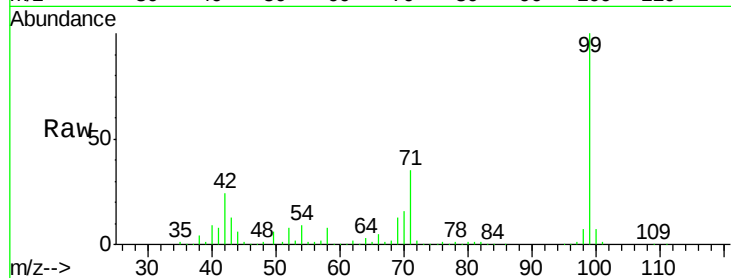
Tgt Ion: 99 Resp: 641079

Ion Ratio Lower Upper

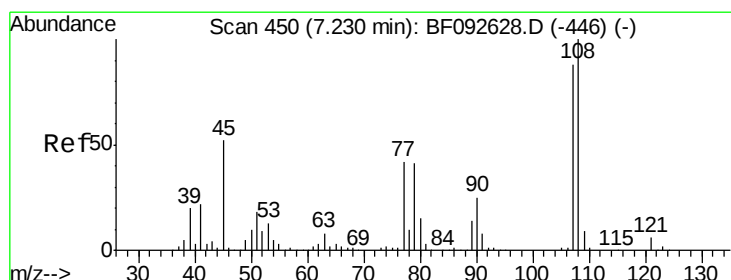
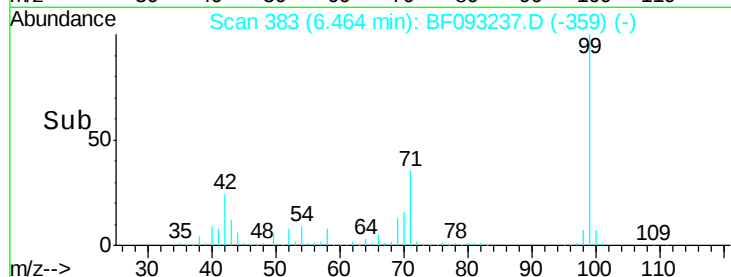
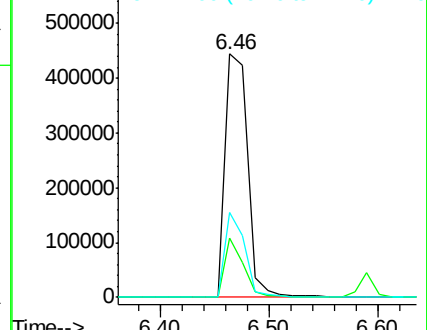
99 100

42 24.1 15.6 23.4#

71 34.6 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



#17

2-Methylphenol

Concen: 22.40 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.14 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Tgt Ion: 107 Resp: 179062

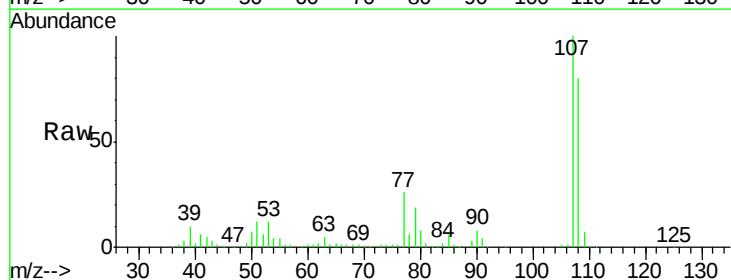
Ion Ratio Lower Upper

107 100

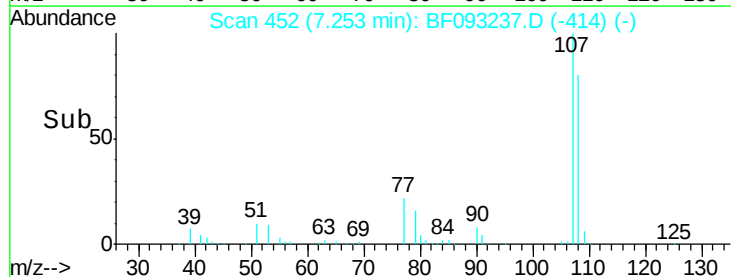
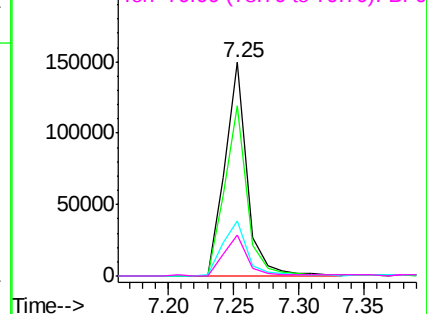
108 79.9 93.0 139.6#

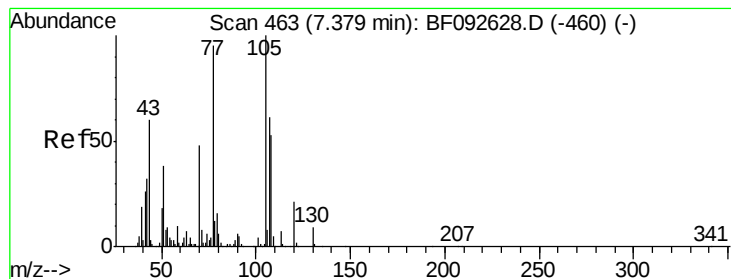
77 25.8 39.8 59.8#

79 19.0 38.0 57.0#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 19.03 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

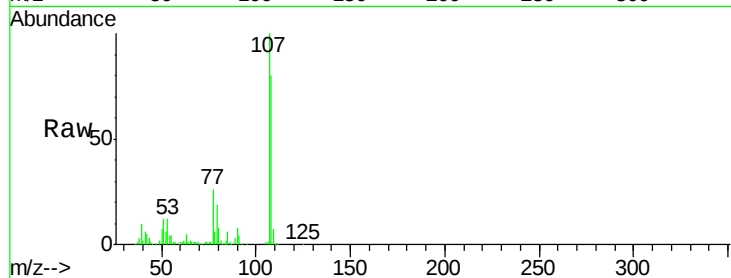
Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

Tgt Ion:	107	Resp:	181933
Ion	Ratio	Lower	Upper
107	100		
108	79.9	73.0	113.0
77	25.8	71.3	111.3#
79	19.0	11.1	51.1

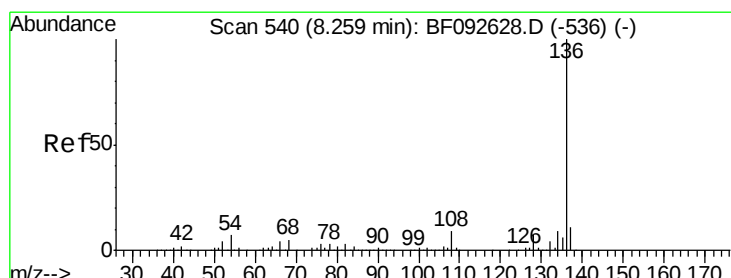
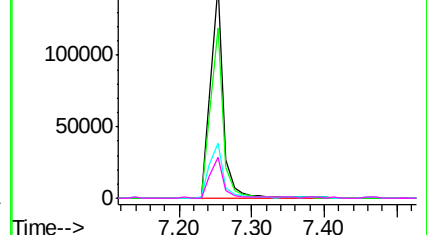
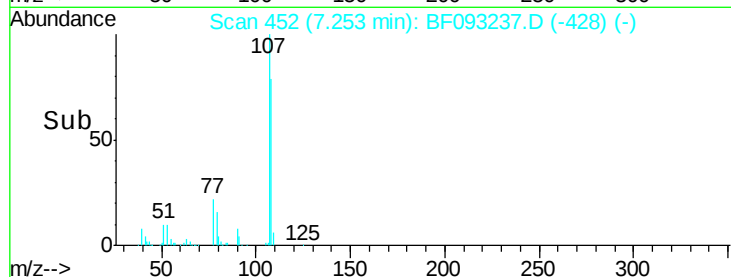


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

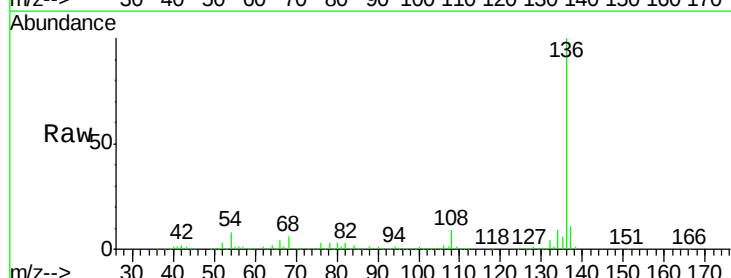
RT: 8.11 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Tgt Ion:	136	Resp:	520585
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.5	4.5	6.7#
68	5.5	3.6	5.4#

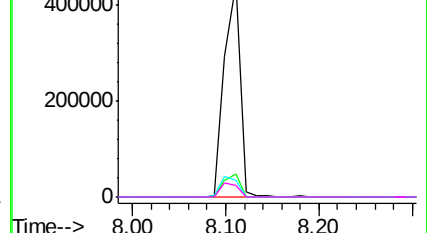
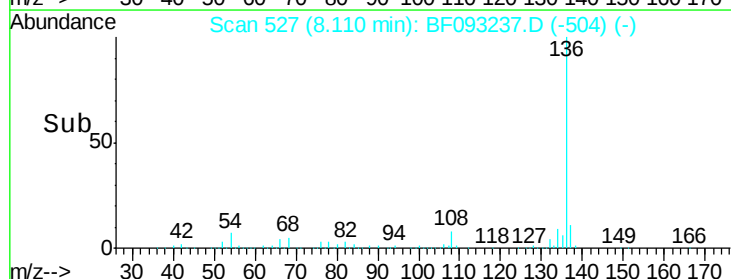


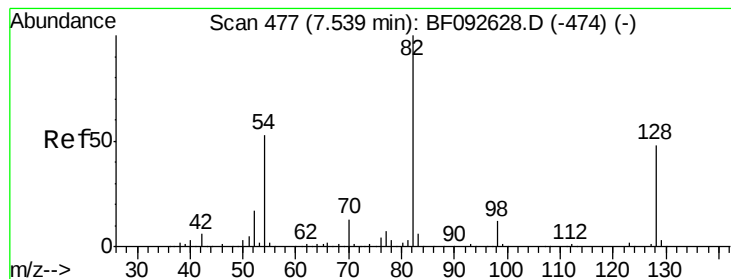
Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.46 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

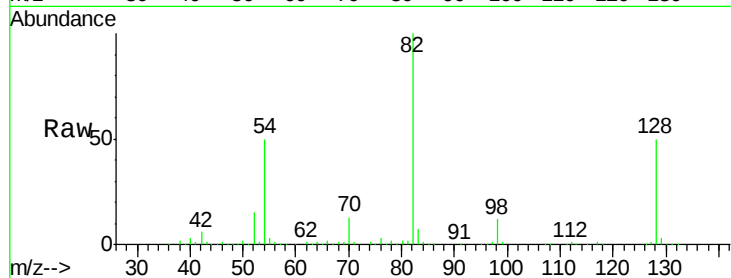
Tgt Ion: 82 Resp: 387600

Ion Ratio Lower Upper

82 100

128 49.6 34.6 52.0

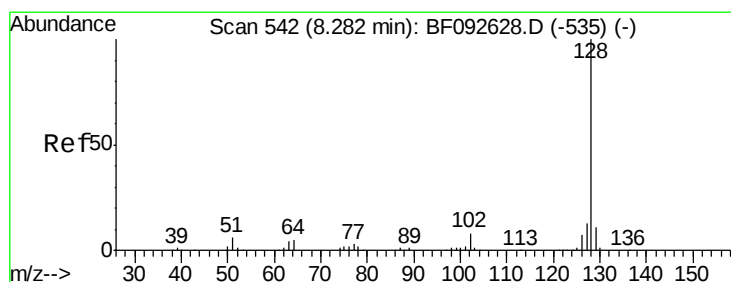
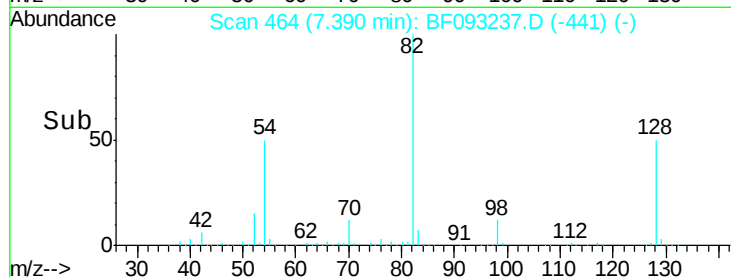
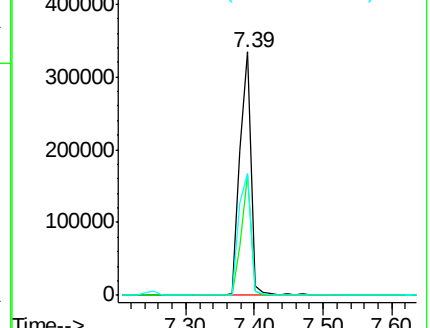
54 50.2 39.5 59.3



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



#31

Naphthalene

Concen: 10.98 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

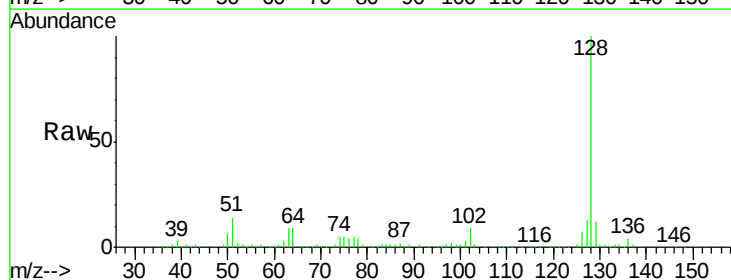
Tgt Ion: 128 Resp: 289832

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

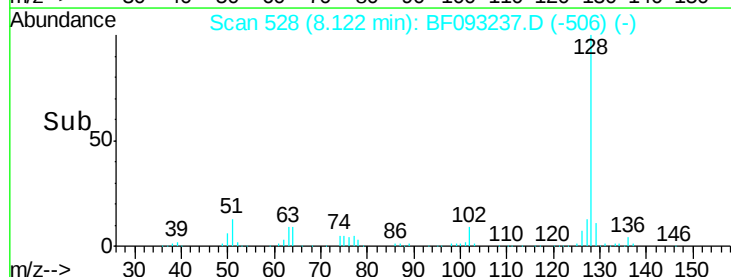
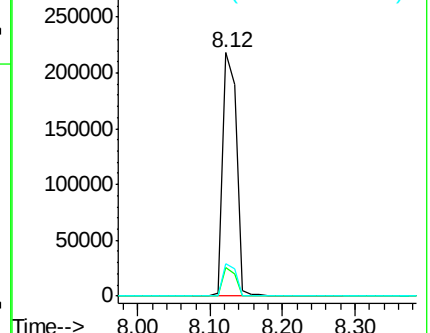
127 13.5 10.8 16.2

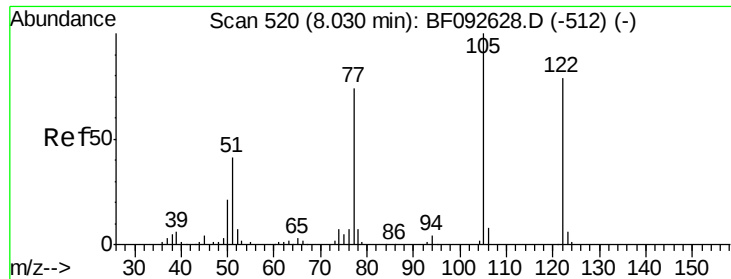


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

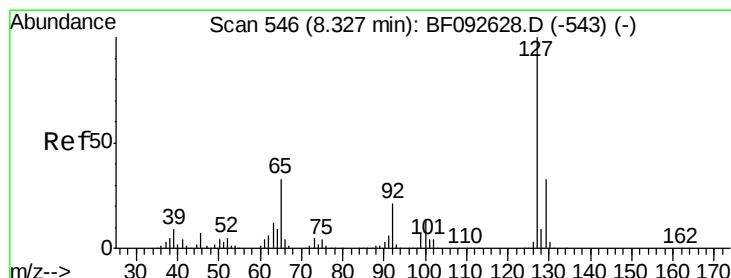
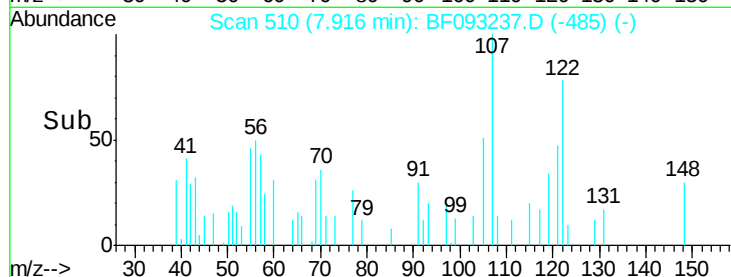
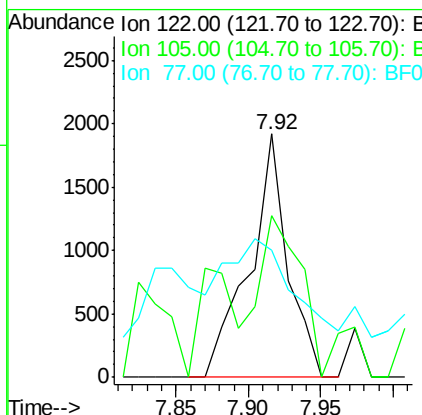
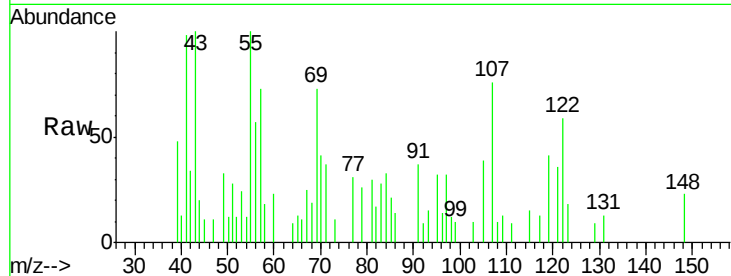




#32
Benzoic acid
Concen: 7.82 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093237.D
Acq: 28 Feb 2017 6:17

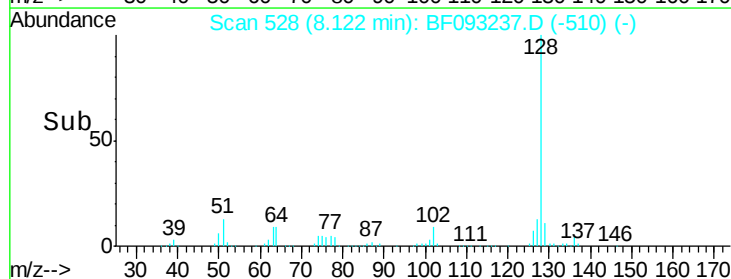
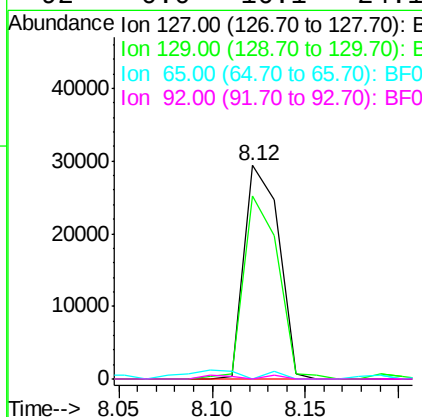
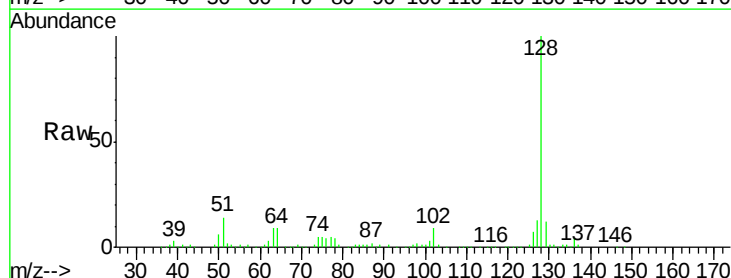
Instrument :
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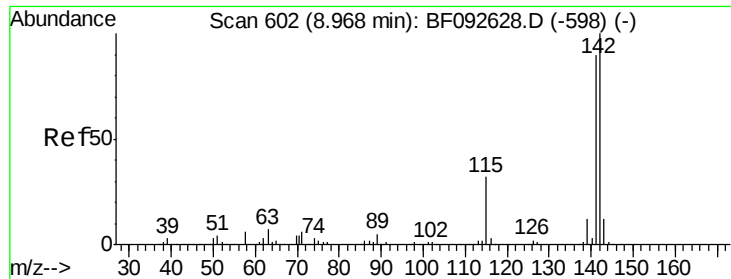
Tgt Ion:122 Resp: 3488
Ion Ratio Lower Upper
122 100
105 66.2 107.2 147.2#
77 52.3 74.5 114.5#



#33
4-Chloroaniline
Concen: 3.66 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.09 min
Lab File: BF093237.D
Acq: 28 Feb 2017 6:17

Tgt Ion:127 Resp: 37900
Ion Ratio Lower Upper
127 100
129 85.5 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

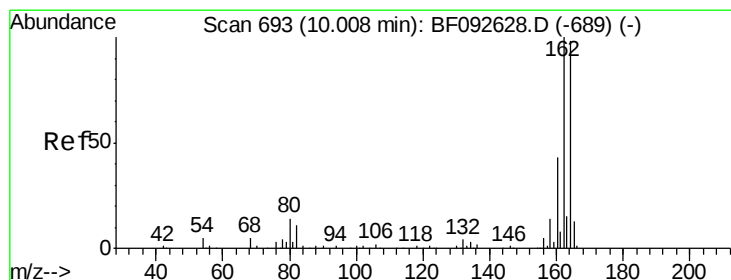
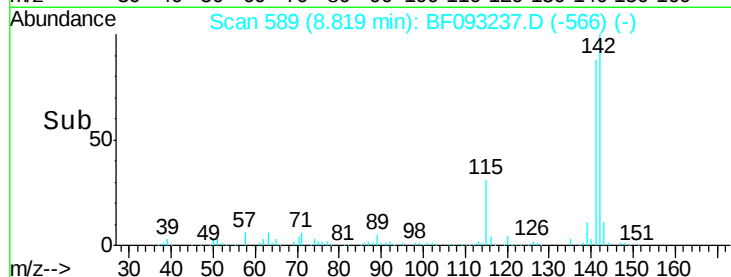
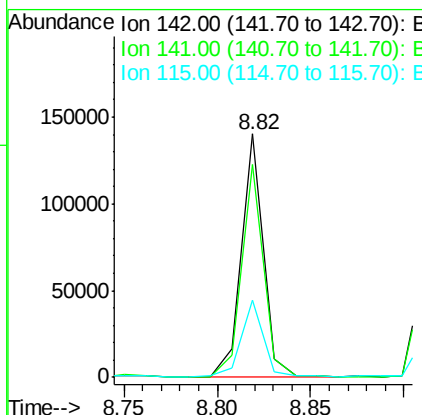
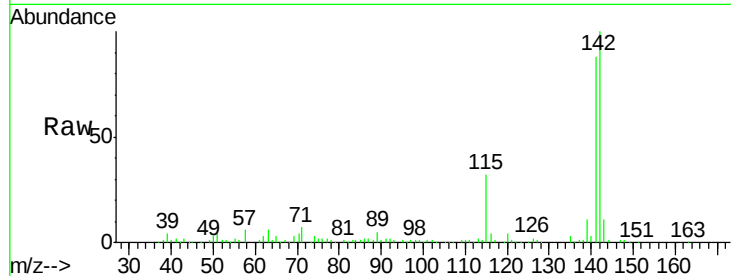




#37
 2-Methylnaphthalene
 Concen: 6.86 ng
 RT: 8.82 min Scan# 589
 Delta R.T. -0.03 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

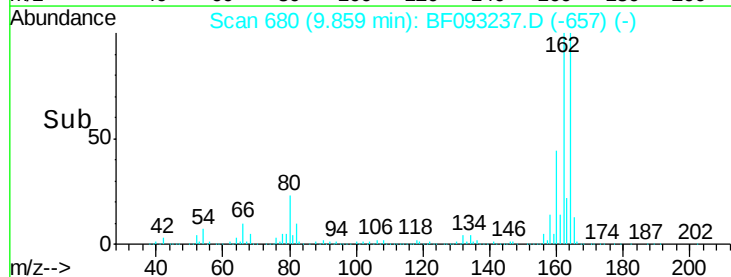
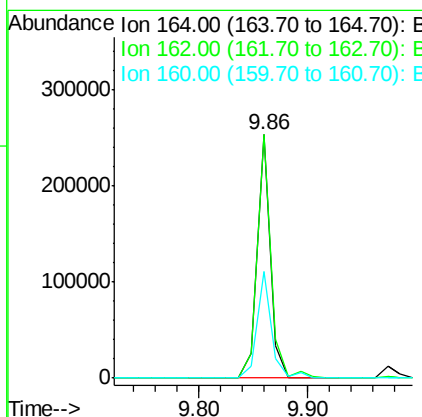
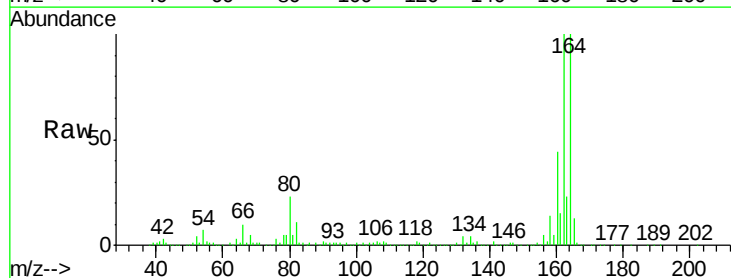
Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASE

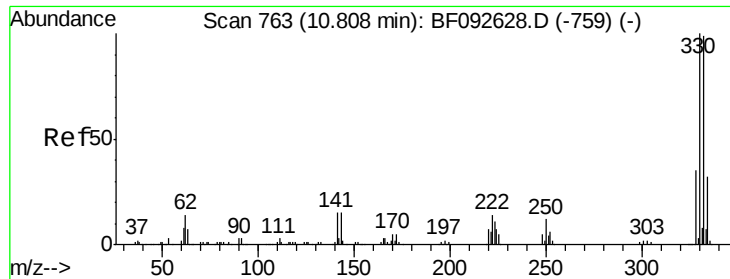
Tgt Ion:142 Resp: 116194
 Ion Ratio Lower Upper
 142 100
 141 87.6 71.0 106.6
 115 31.7 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.03 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

Tgt Ion:164 Resp: 216975
 Ion Ratio Lower Upper
 164 100
 162 100.1 80.2 120.2
 160 43.8 36.9 55.3

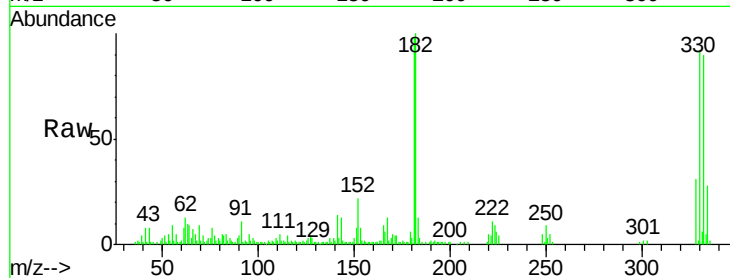




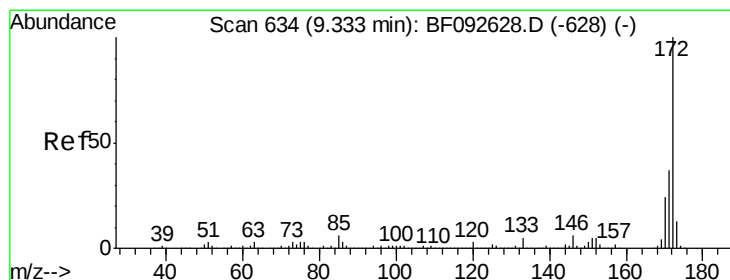
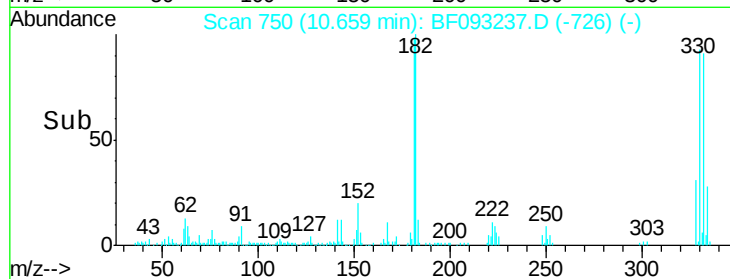
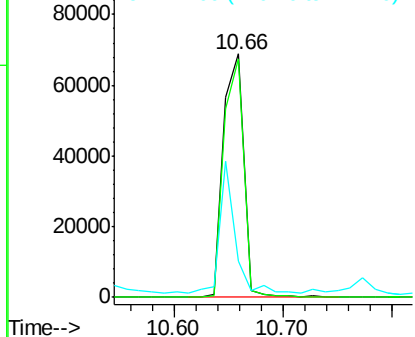
#41
 2,4,6-Tribromophenol
 Concen: 56.92 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASE

Tgt Ion:330 Resp: 89330
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 41.1 34.1 51.1

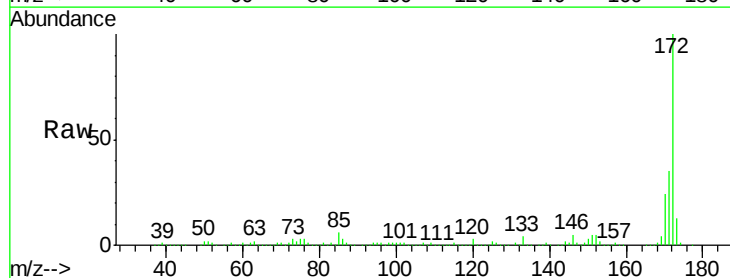


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

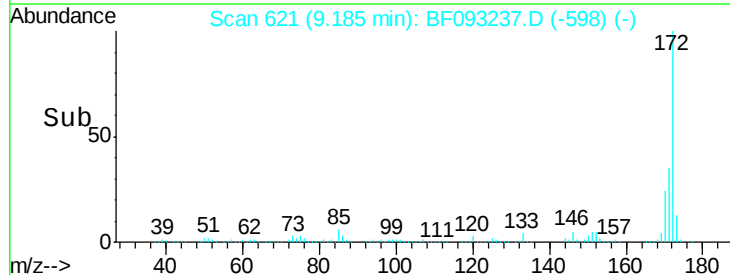
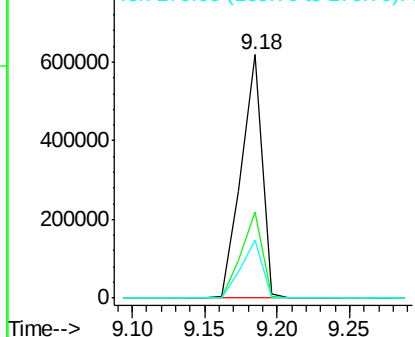


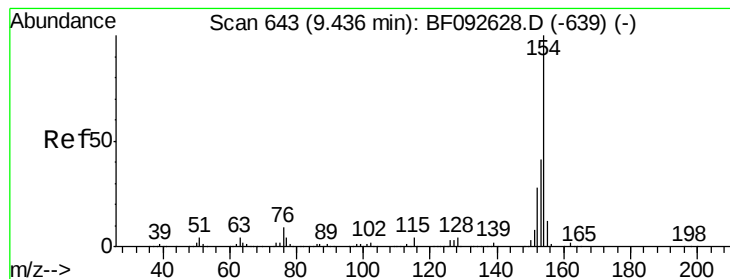
#44
 2-Fluorobiphenyl
 Concen: 52.03 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

Tgt Ion:172 Resp: 623122
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.7 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





#45

1,1'-Biphenyl

Concen: 2.59 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.05 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

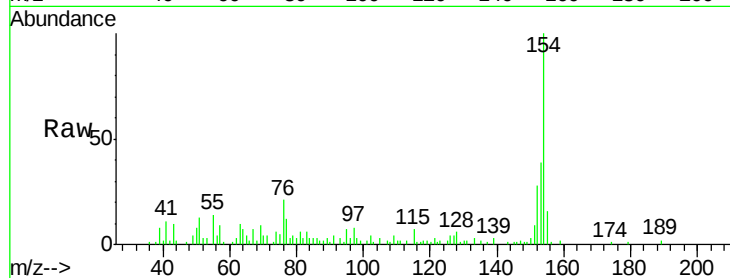
Tgt Ion:154 Resp: 40721

Ion Ratio Lower Upper

154 100

153 39.1 20.9 60.9

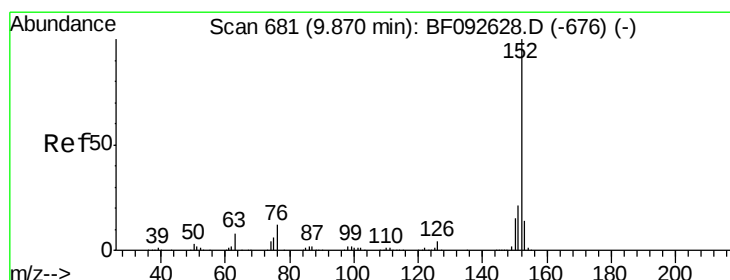
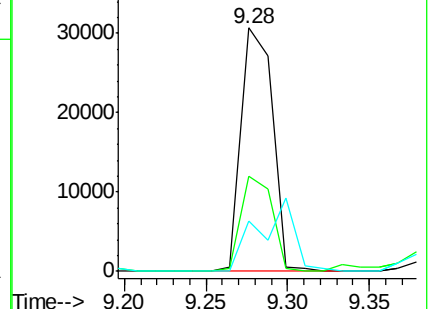
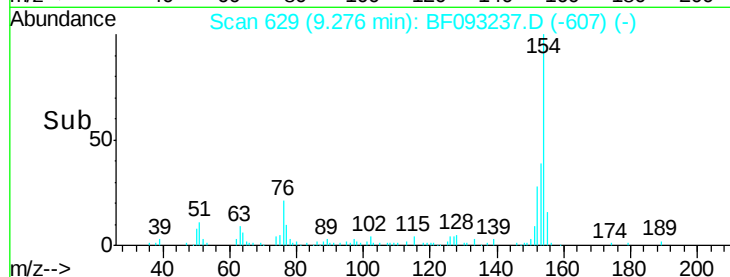
76 20.6 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.40 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

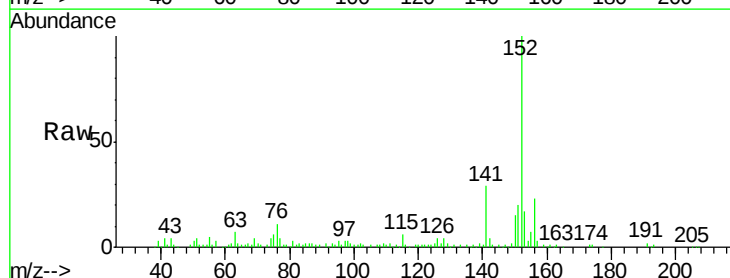
Tgt Ion:152 Resp: 93345

Ion Ratio Lower Upper

152 100

151 20.3 16.9 25.3

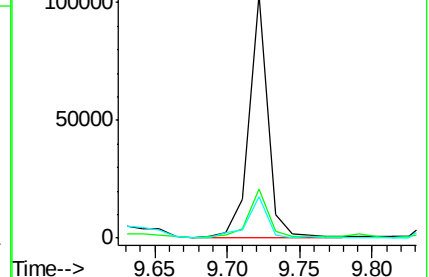
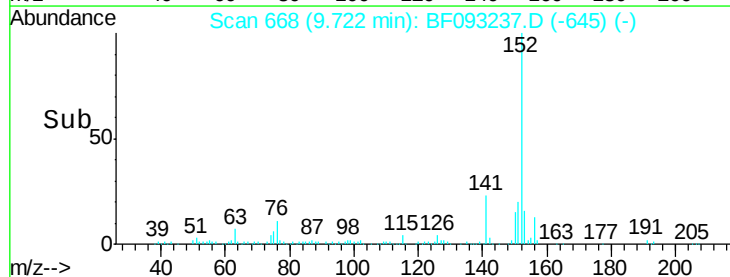
153 17.1 11.4 17.2

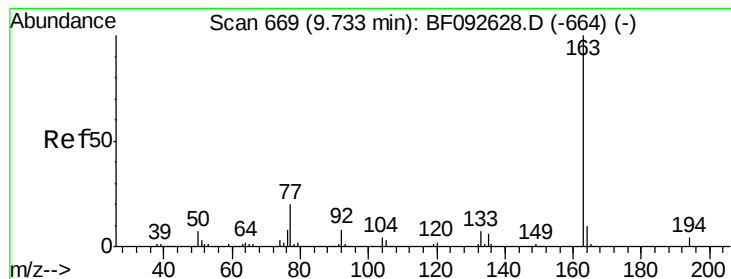


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 13.37 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

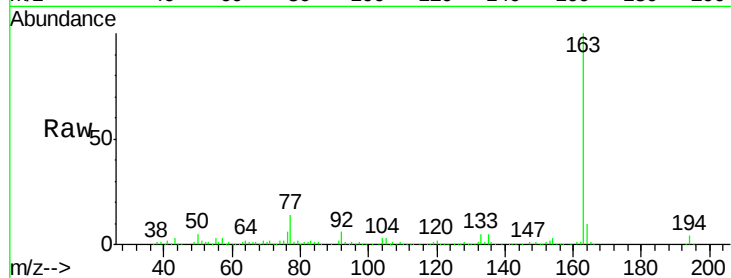
Tgt Ion:163 Resp: 195392

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

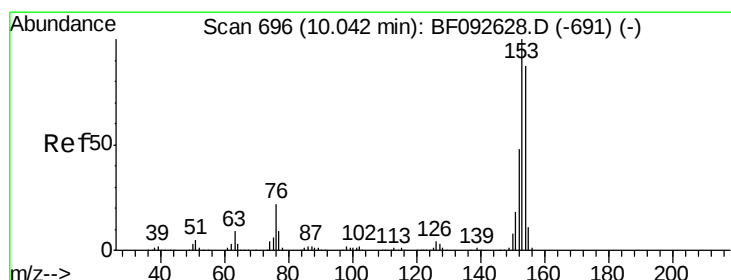
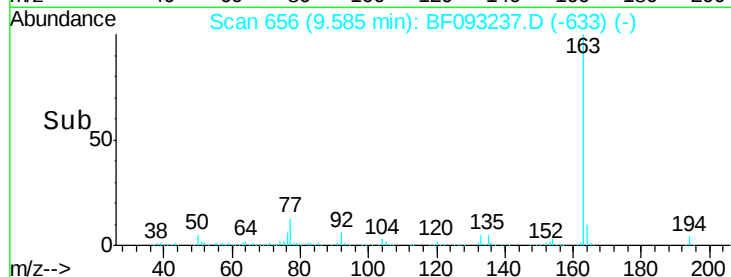
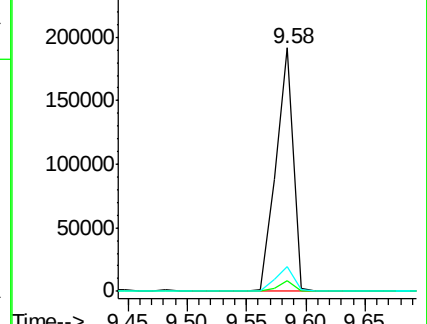
164 10.1 8.0 12.0



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: 28.54 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

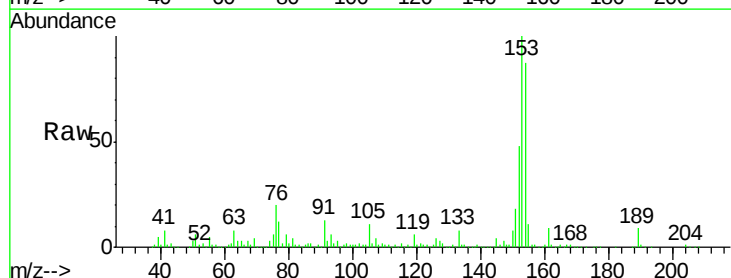
Tgt Ion:154 Resp: 362345

Ion Ratio Lower Upper

154 100

153 114.6 88.6 133.0

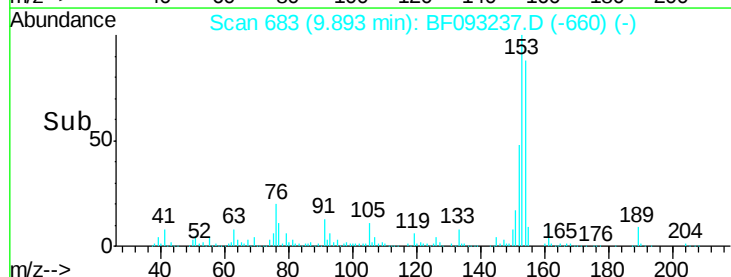
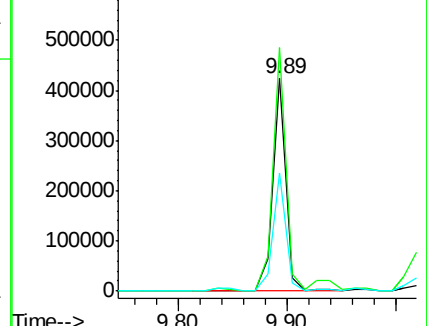
152 55.5 41.6 62.4

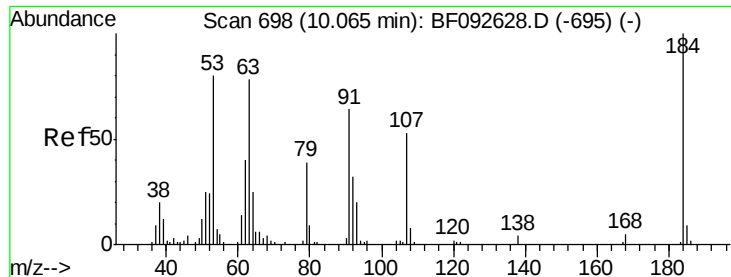


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

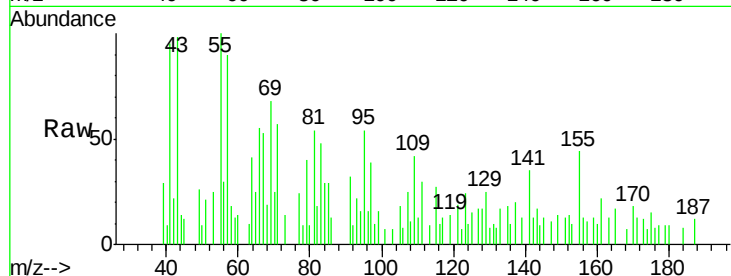




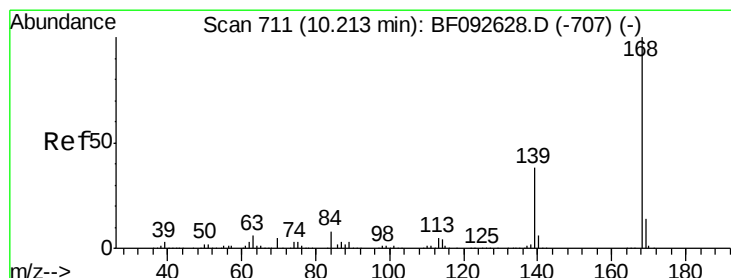
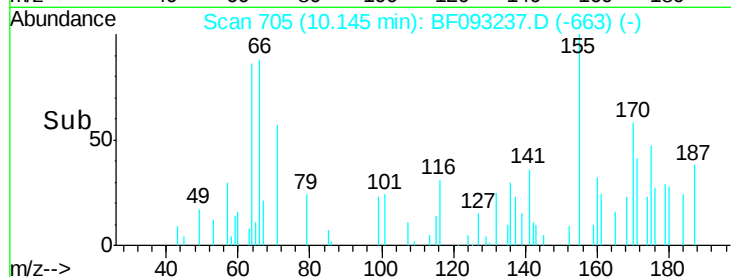
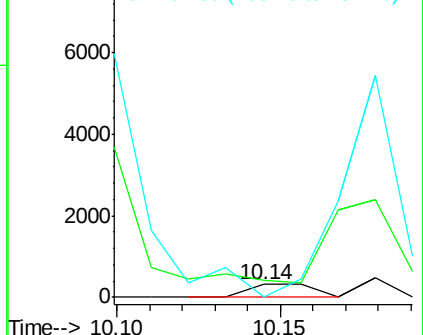
#53
2,4-Dinitrophenol
Concen: 4.99 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.18 min
Lab File: BF093237.D
Acq: 28 Feb 2017 6:17

Instrument :
BNA_F
ClientSampleId :
E2-W6-BASE

Tgt Ion:184 Resp: 441
Ion Ratio Lower Upper
184 100
63 126.4 28.4 42.6#
154 0.0 44.3 66.5#

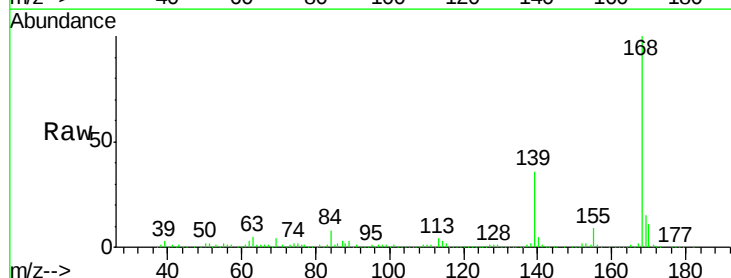


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

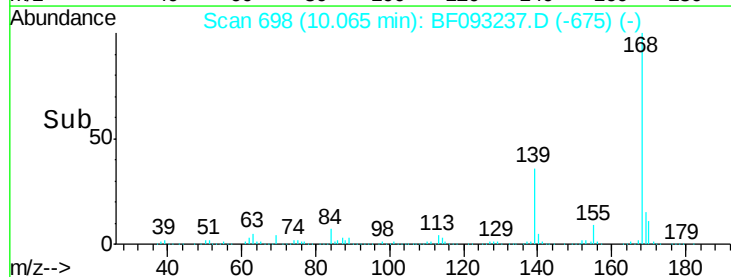
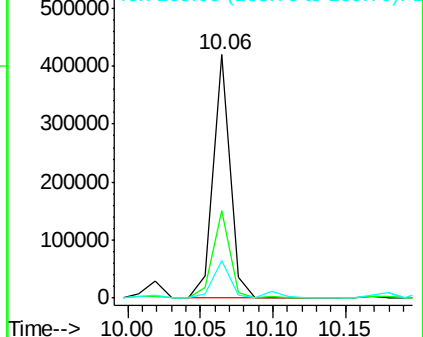


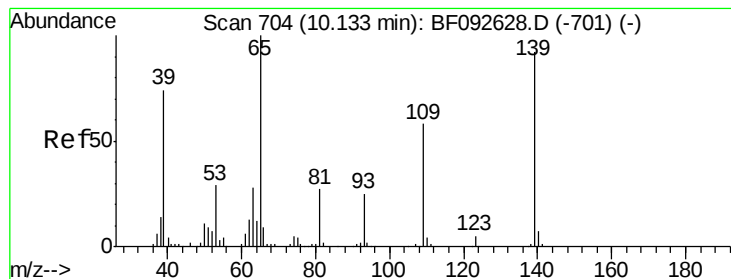
#54
Dibenzofuran
Concen: 20.05 ng
RT: 10.06 min Scan# 698
Delta R.T. -0.03 min
Lab File: BF093237.D
Acq: 28 Feb 2017 6:17

Tgt Ion:168 Resp: 340480
Ion Ratio Lower Upper
168 100
139 35.9 32.6 49.0
169 15.3 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: 48.62 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.05 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

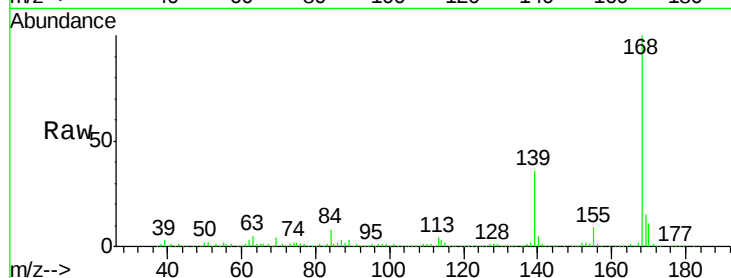
Tgt Ion:139 Resp: 126477

Ion Ratio Lower Upper

139 100

109 1.6 52.2 92.2#

65 2.3 85.8 125.8#

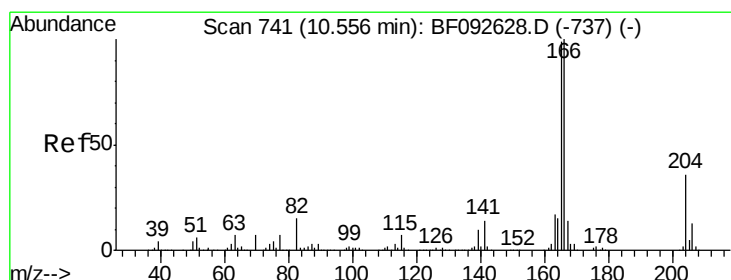
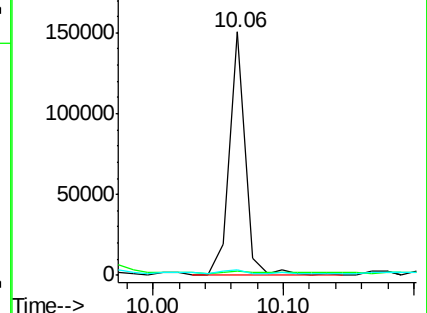
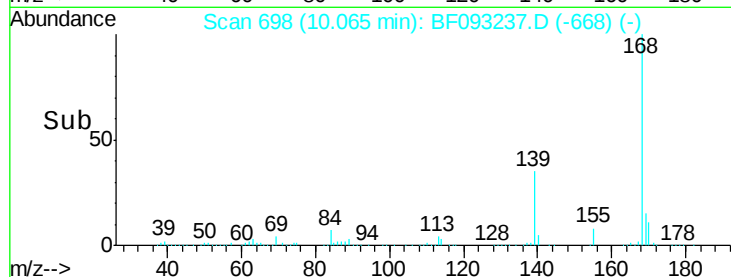


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

10.06



#57

Fluorene

Concen: 41.01 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

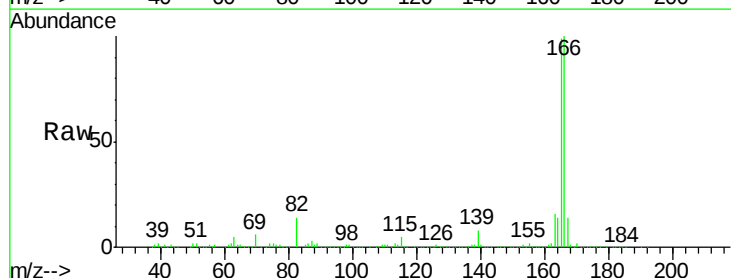
Tgt Ion:166 Resp: 535641

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.8

167 14.4 10.8 16.2

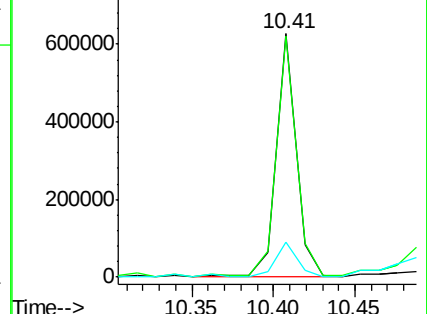
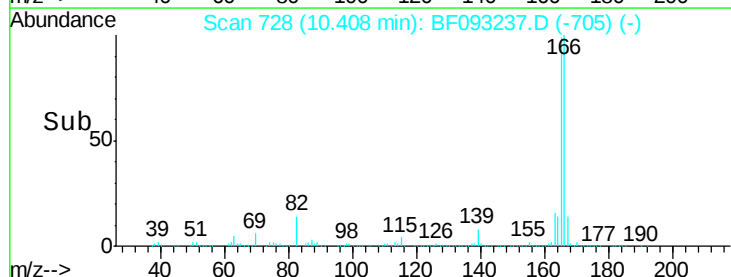


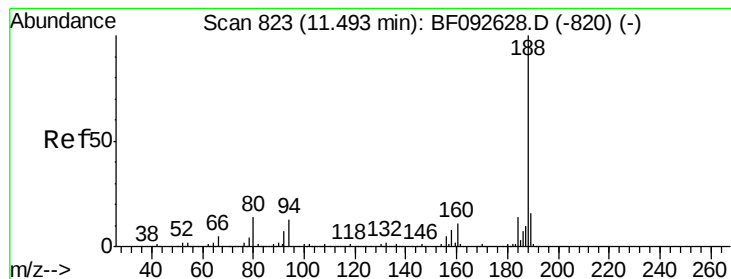
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.41





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

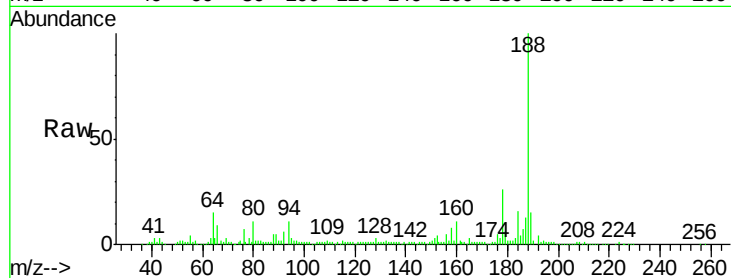
Tgt Ion:188 Resp: 345704

Ion Ratio Lower Upper

188 100

94 10.7 10.0 15.0

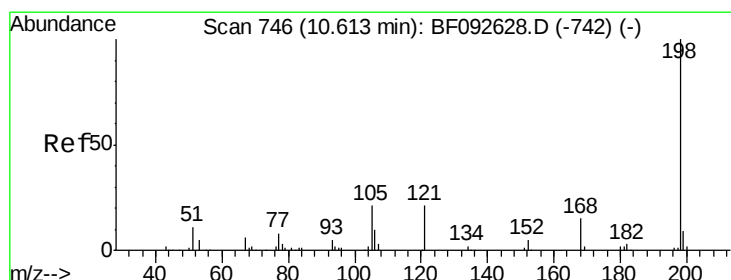
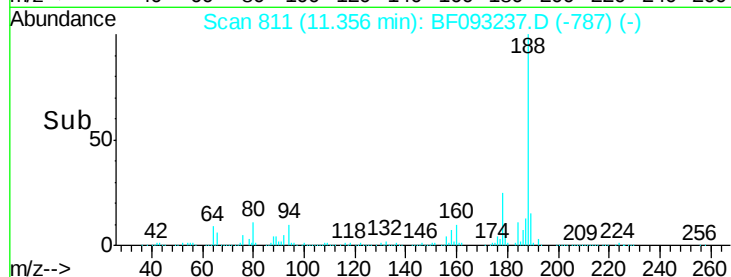
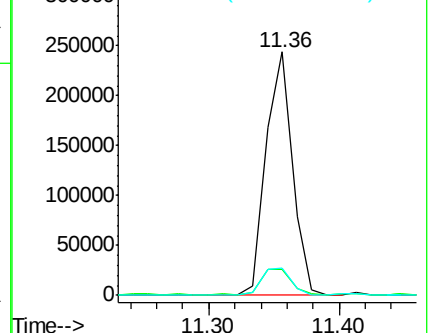
80 11.2 11.2 16.8



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: 2.77 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

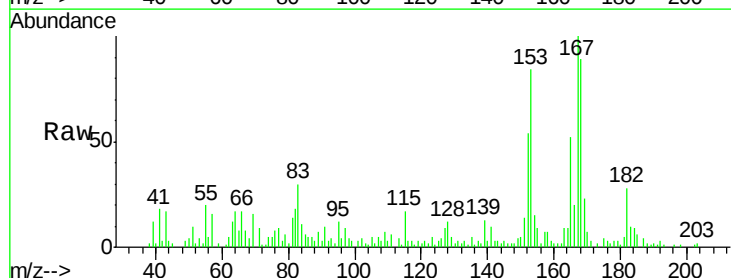
Tgt Ion:198 Resp: 215

Ion Ratio Lower Upper

198 100

51 783.1 6.7 46.7#

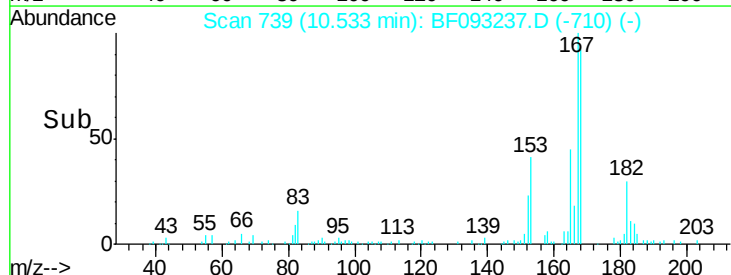
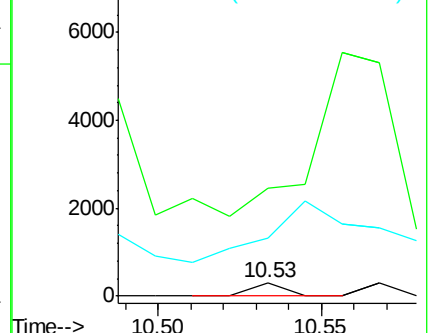
105 418.8 16.6 56.6#

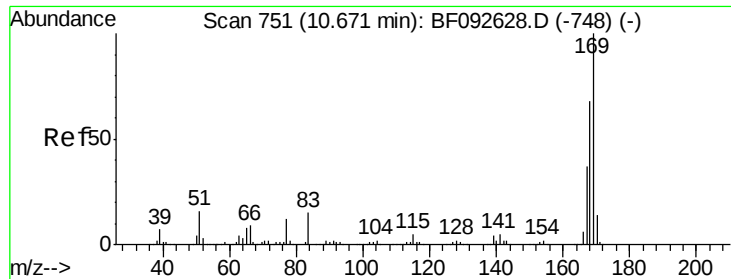


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 5.43 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.06 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

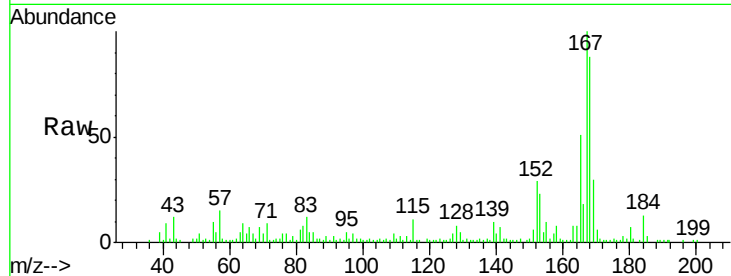
Tgt Ion:169 Resp: 59935

Ion Ratio Lower Upper

169 100

168 290.5 54.2 81.2#

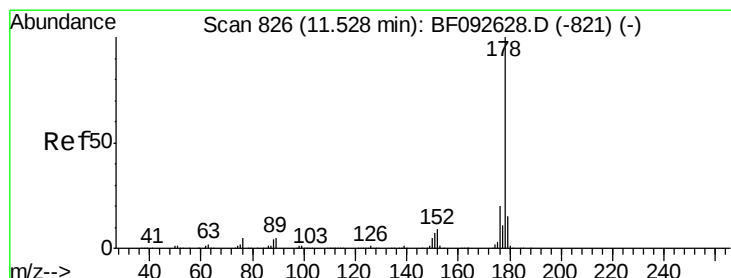
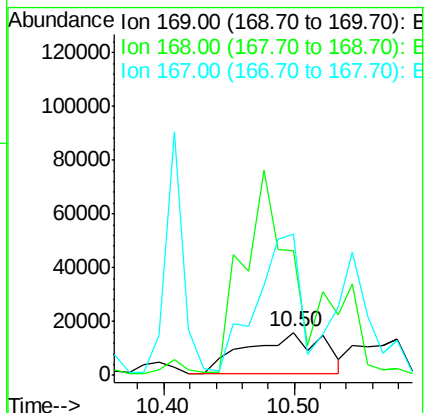
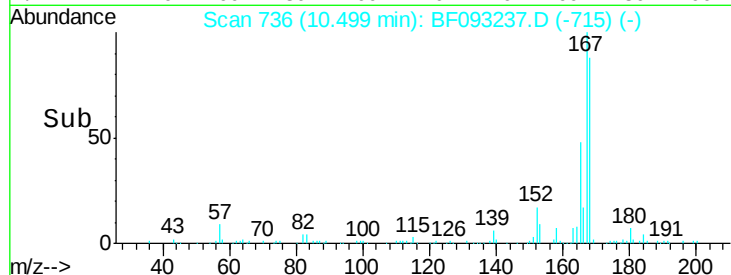
167 331.7 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 204.23 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

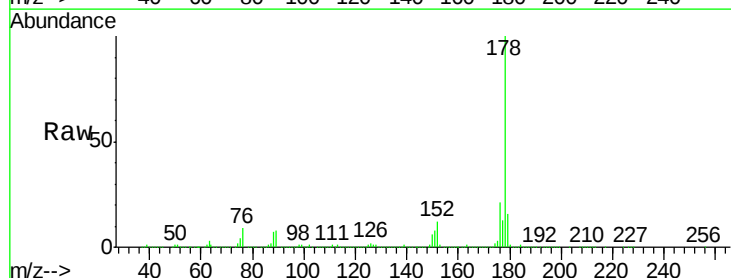
Tgt Ion:178 Resp: 4045053

Ion Ratio Lower Upper

178 100

176 21.2 16.6 25.0

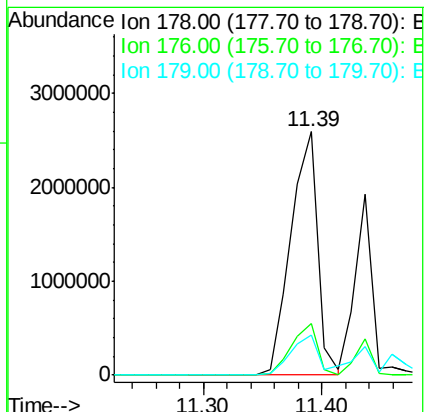
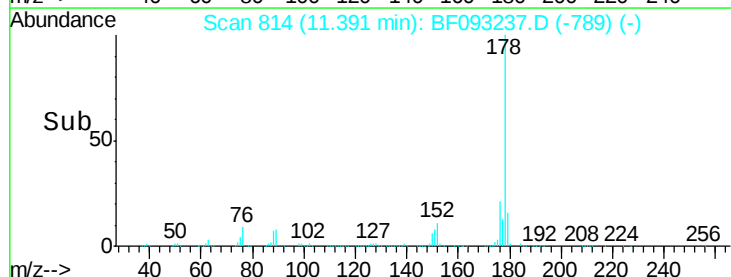
179 16.4 12.8 19.2

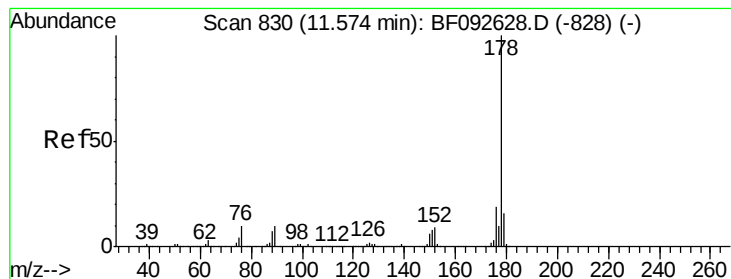


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 94.34 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

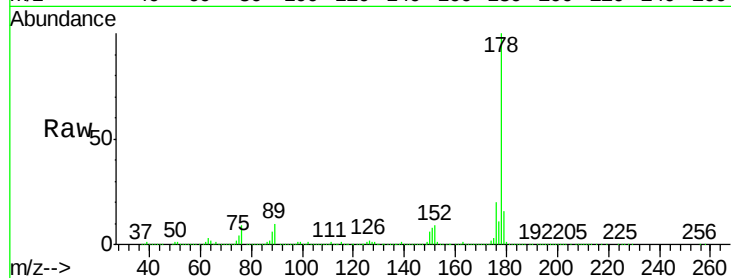
Tgt Ion:178 Resp: 1876415

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

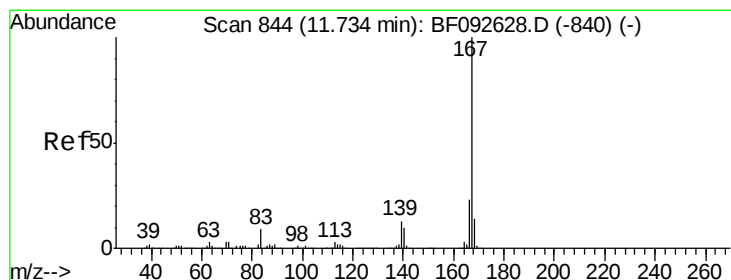
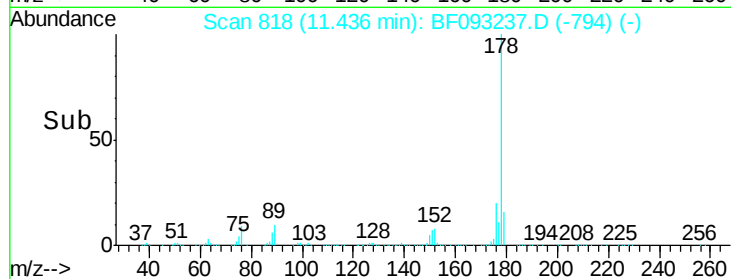
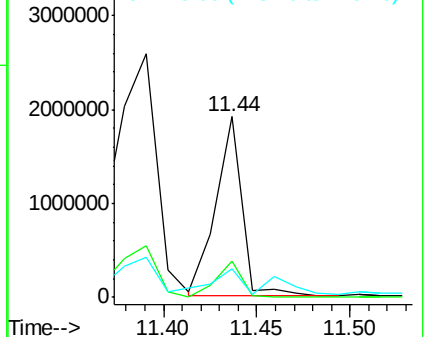
179 16.2 13.2 19.8



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: 19.99 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

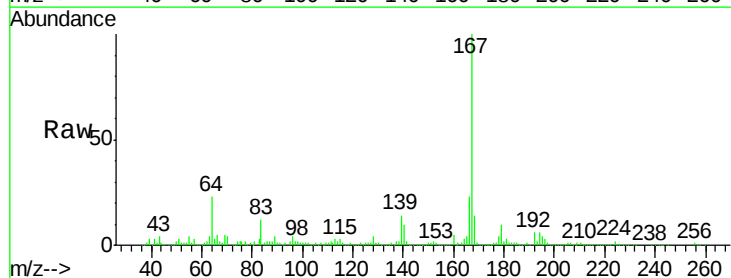
Tgt Ion:167 Resp: 380007

Ion Ratio Lower Upper

167 100

166 22.9 18.2 27.2

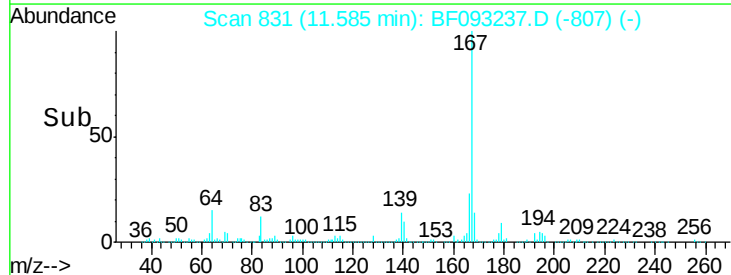
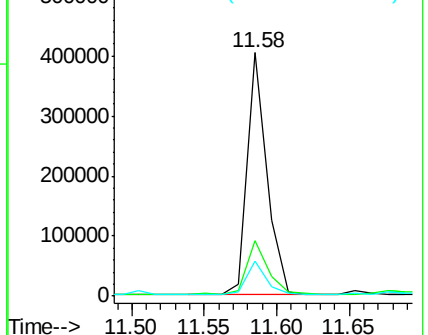
139 14.3 11.4 17.2

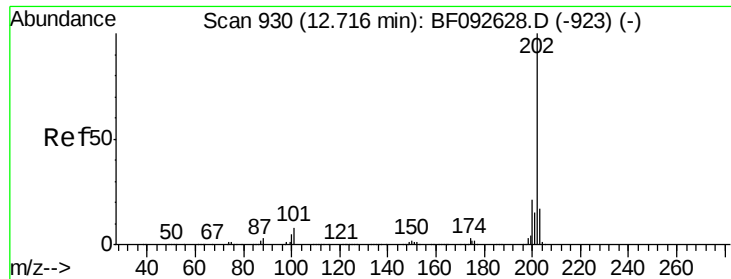


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 249.10 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

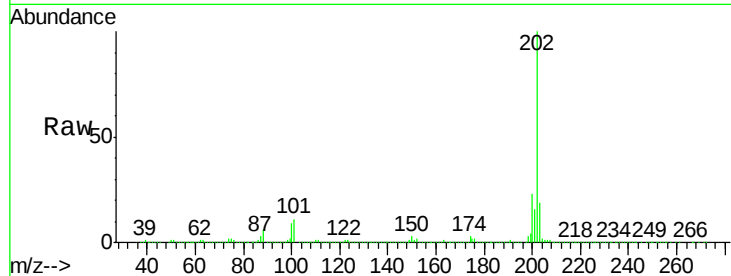
Tgt Ion:202 Resp: 5089076

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.6

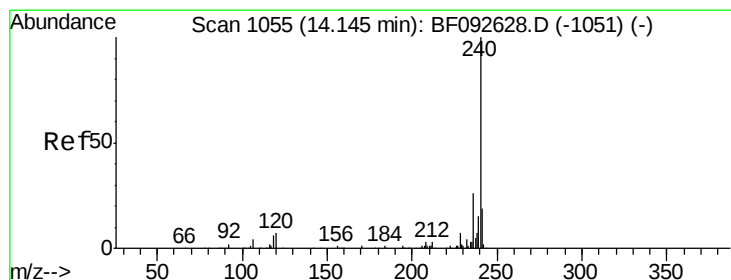
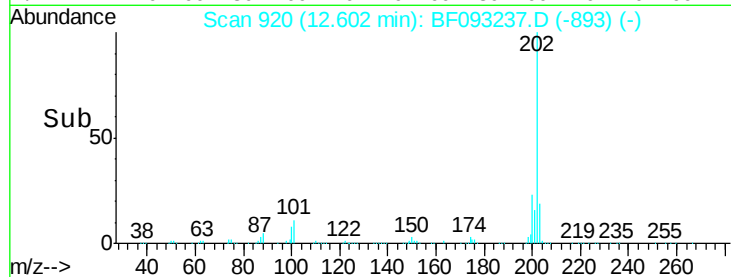
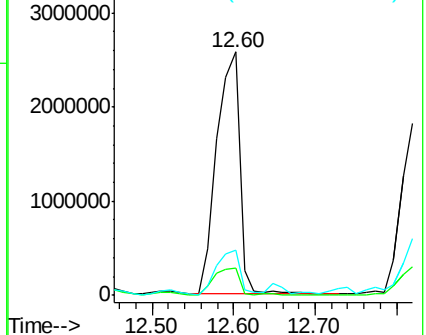
203 18.7 0.0 38.7



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: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

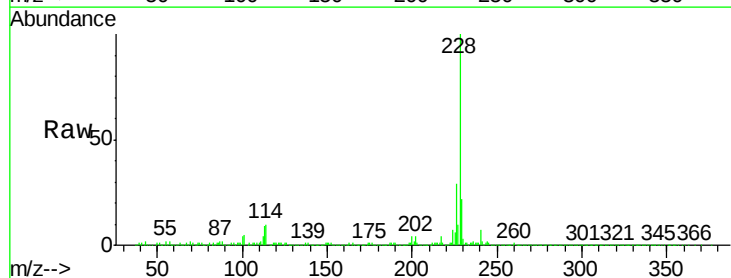
Tgt Ion:240 Resp: 182040

Ion Ratio Lower Upper

240 100

120 18.4 12.9 19.3

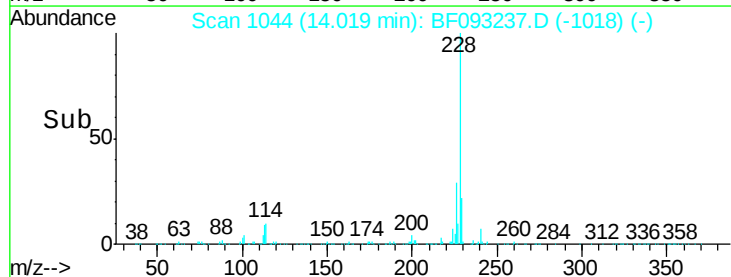
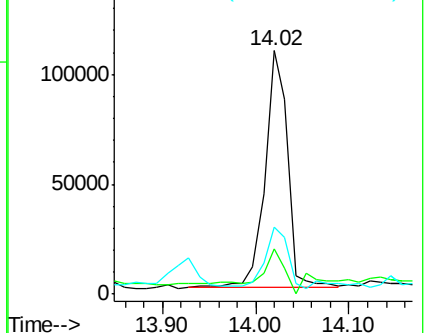
236 27.6 20.9 31.3

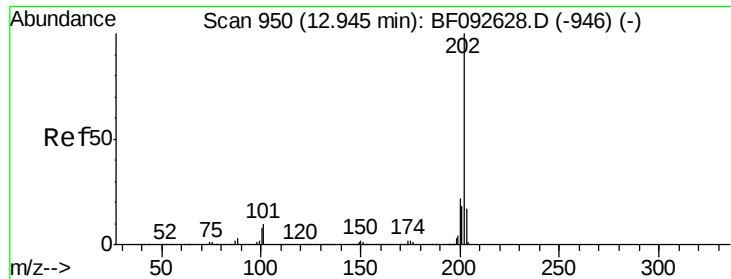


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 382.73 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

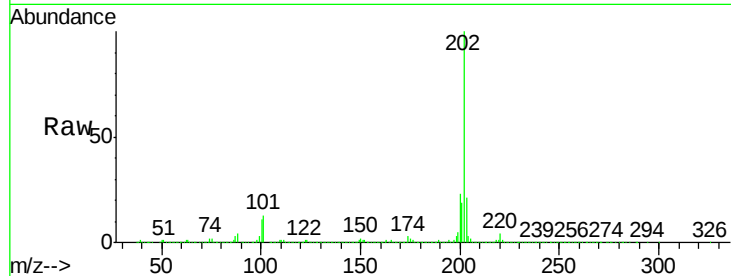
Tgt Ion:202 Resp: 5214025

Ion Ratio Lower Upper

202 100

200 23.0 17.7 26.5

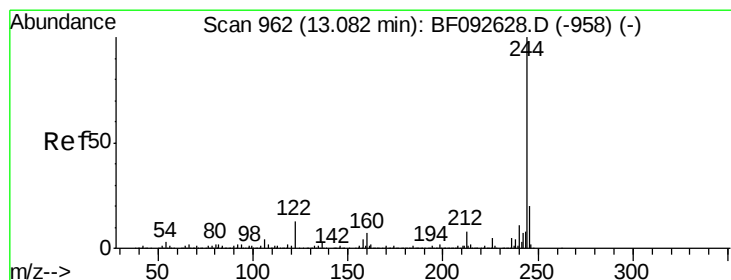
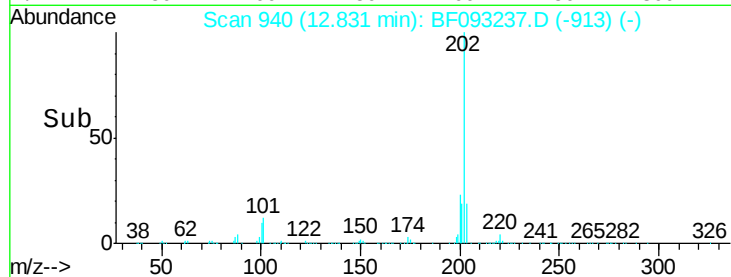
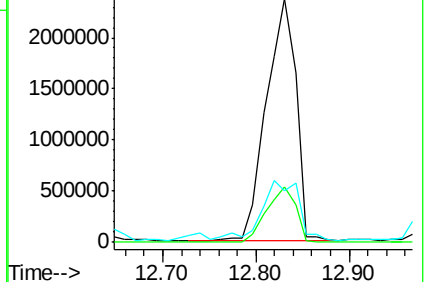
203 21.4 14.7 22.1



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: 55.99 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

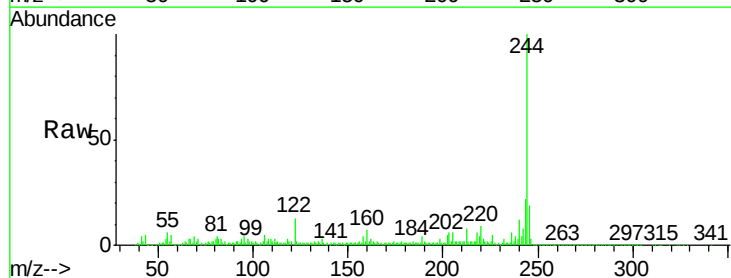
Tgt Ion:244 Resp: 433796

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

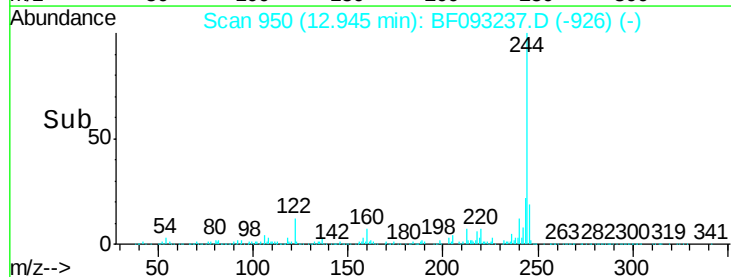
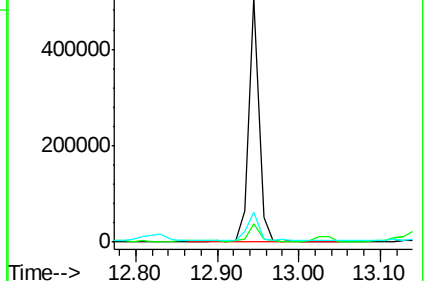
122 12.5 11.4 17.2

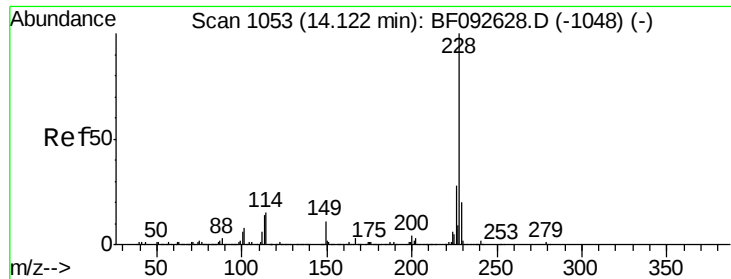


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 323.79 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

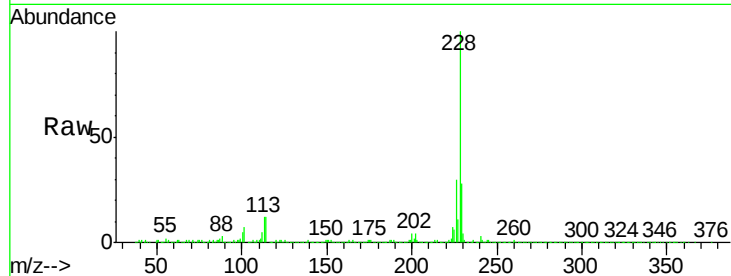
Tgt Ion:228 Resp: 3605041

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

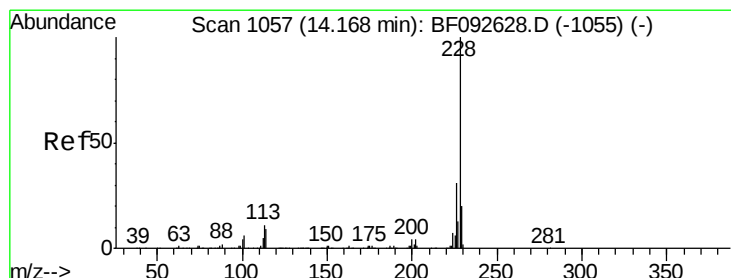
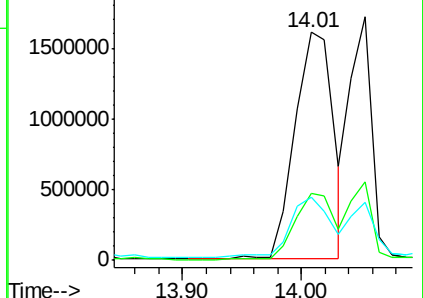
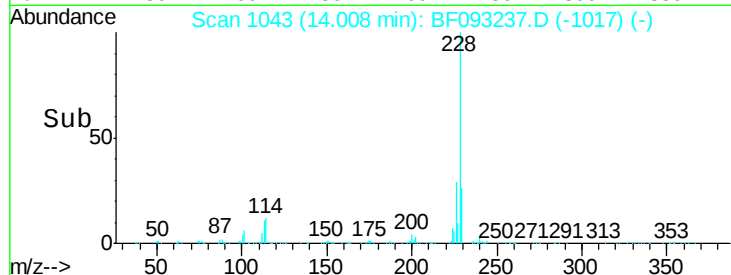
229 27.8 16.2 24.4#



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: 345.83 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

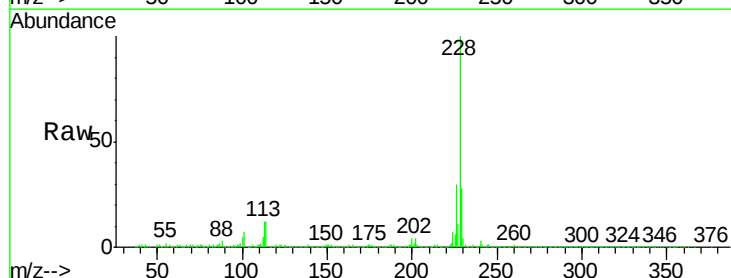
Tgt Ion:228 Resp: 3605041

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.0

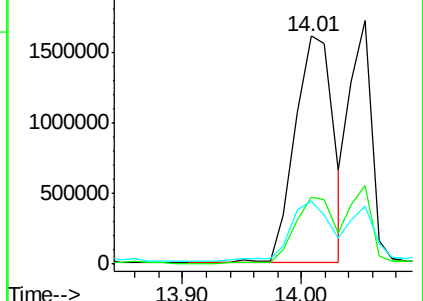
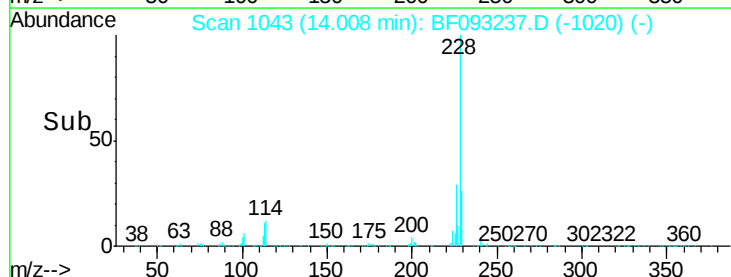
229 27.8 16.2 24.2#

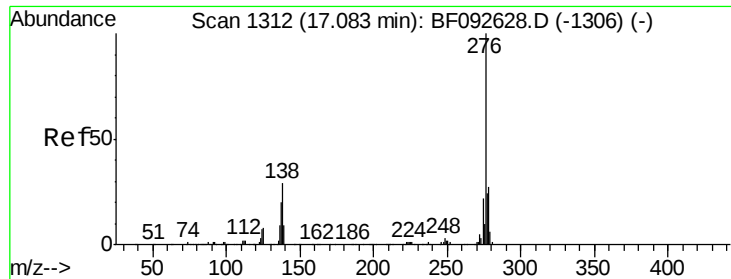


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

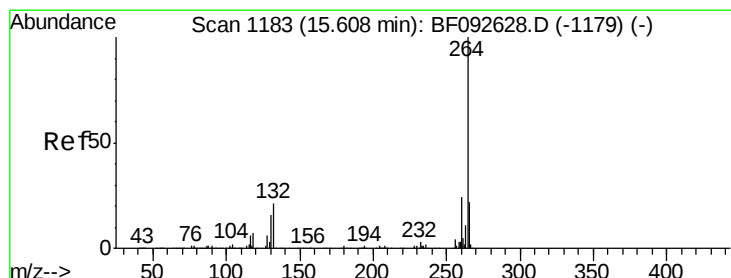
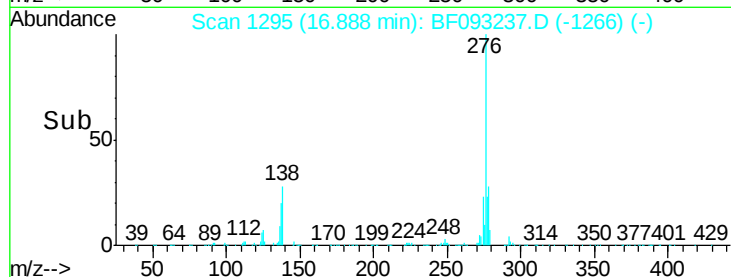
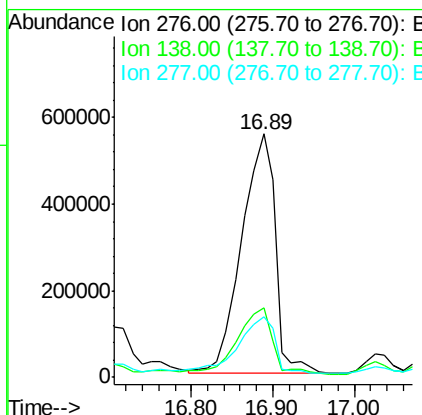
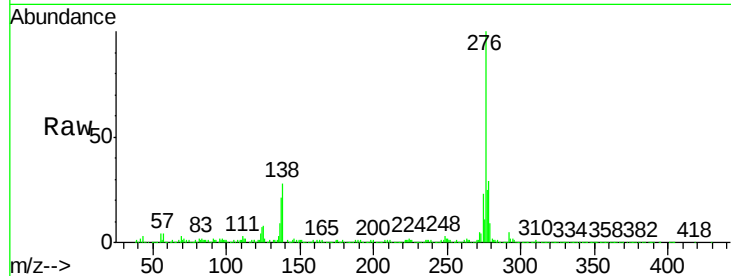




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 197.18 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. 0.03 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

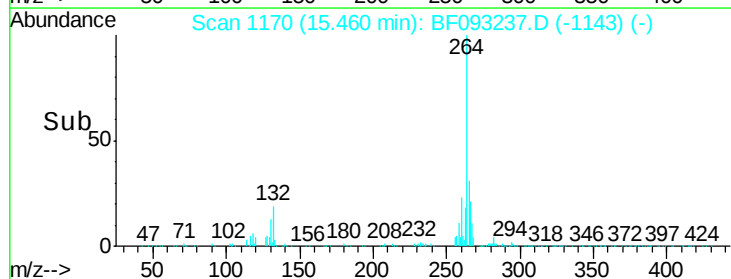
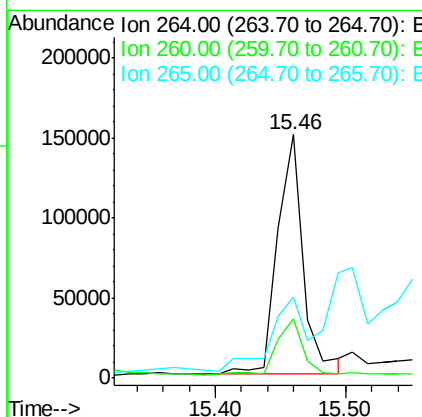
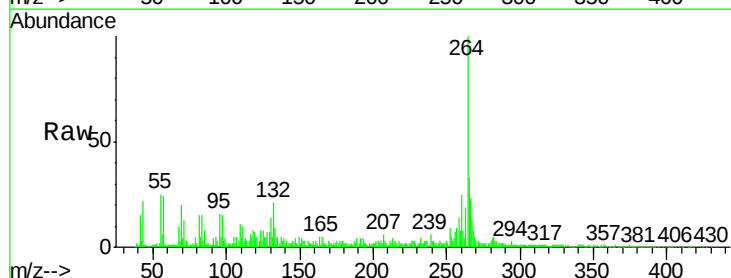
Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASE

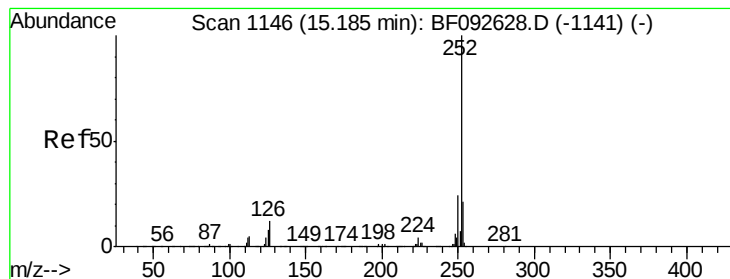
Tgt Ion: 276 Resp: 1592162
 Ion Ratio Lower Upper
 276 100
 138 30.2 21.8 32.6
 277 26.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF093237.D
 Acq: 28 Feb 2017 6:17

Tgt Ion: 264 Resp: 205997
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 33.1 17.4 26.0#





#87

Benzo(b)fluoranthene

Concen: 308.28 ng

RT: 15.06 min Scan# 1135

Delta R.T. 0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

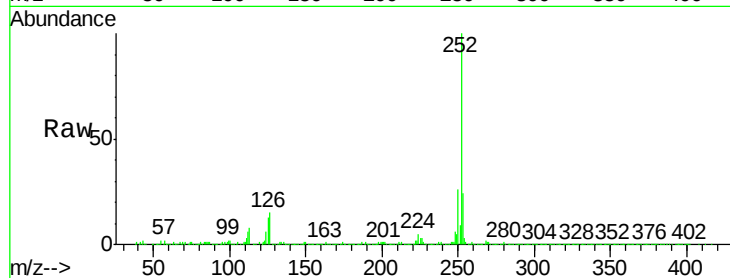
Tgt Ion:252 Resp: 4179879

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

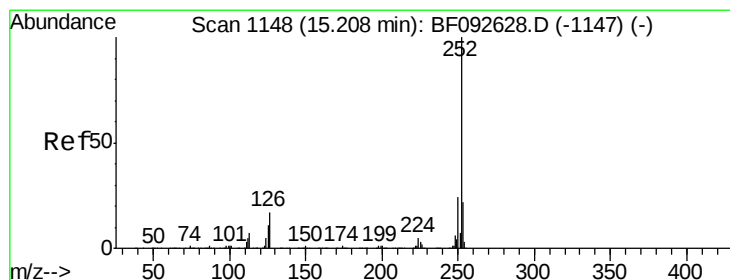
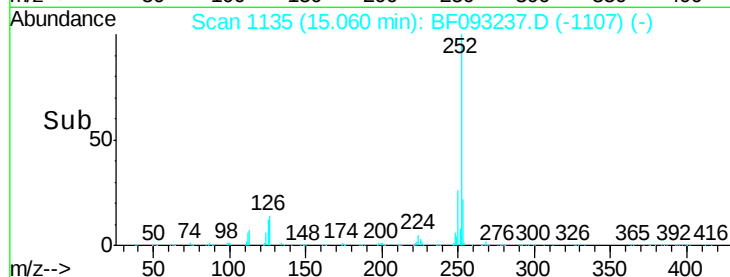
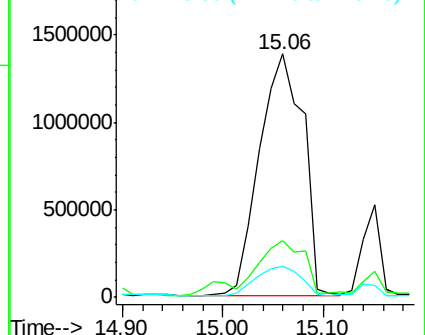
125 12.9 9.8 14.6



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: 357.04 ng

RT: 15.06 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

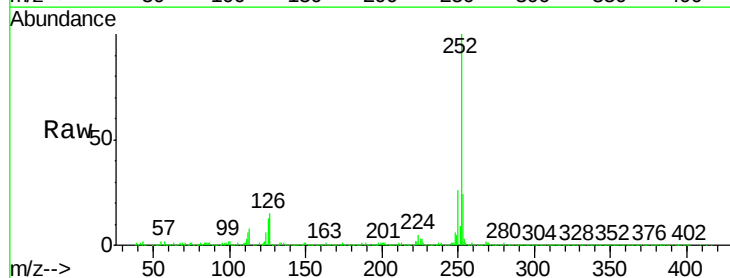
Tgt Ion:252 Resp: 4179879

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

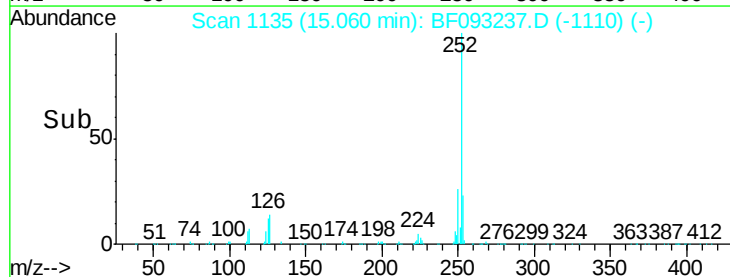
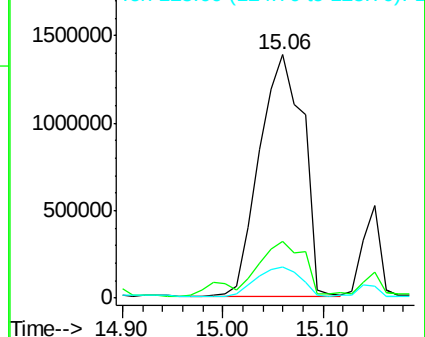
125 12.9 8.9 13.3

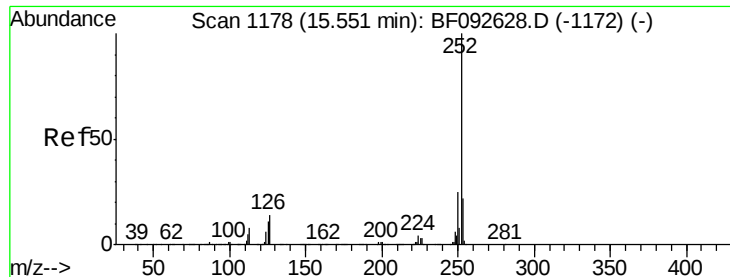


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 202.21 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.02 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE

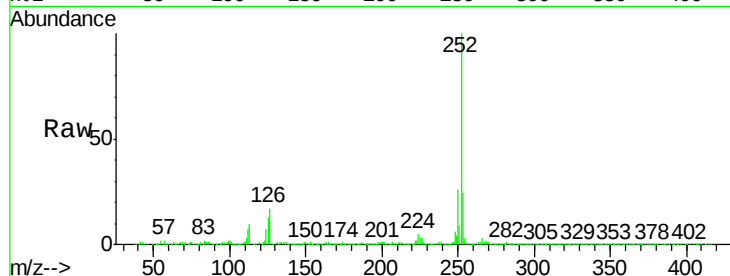
Tgt Ion:252 Resp: 2371607

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

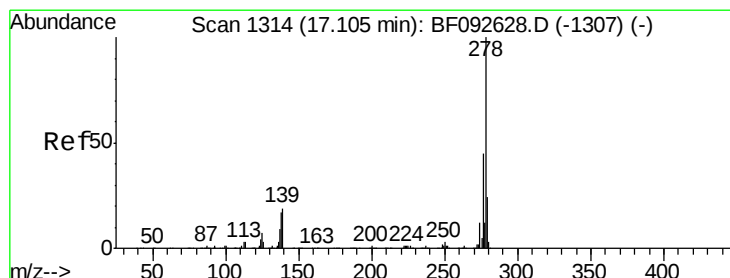
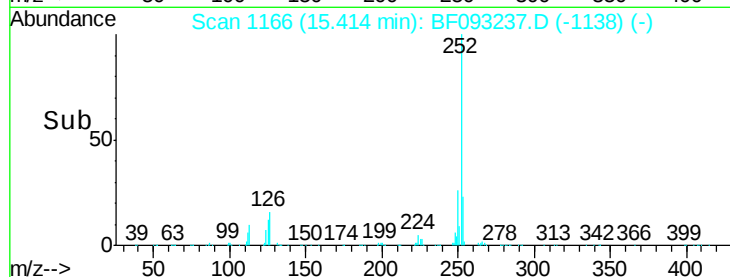
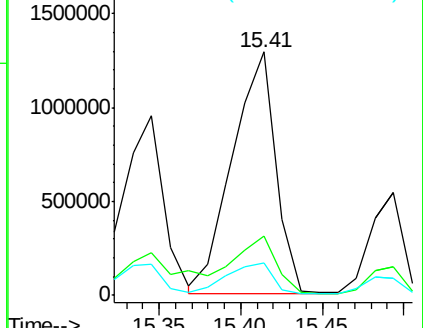
125 13.2 10.0 15.0



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: 58.20 ng

RT: 16.88 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF093237.D

Acq: 28 Feb 2017 6:17

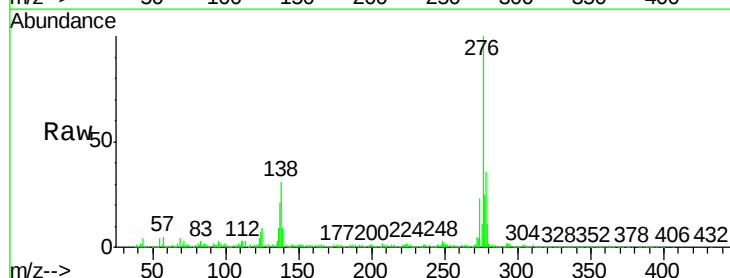
Tgt Ion:278 Resp: 551694

Ion Ratio Lower Upper

278 100

139 24.7 14.8 22.2#

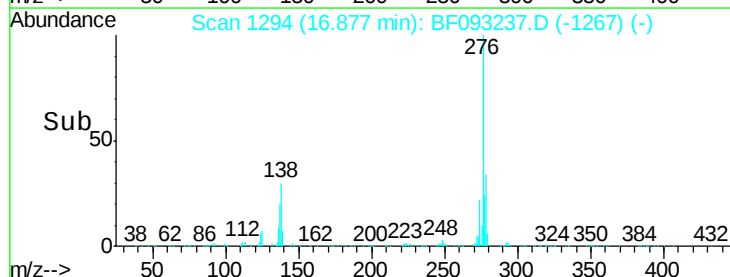
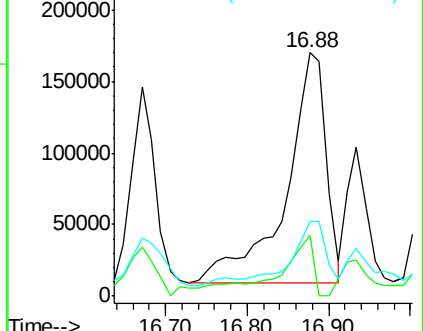
279 30.9 19.8 29.6#

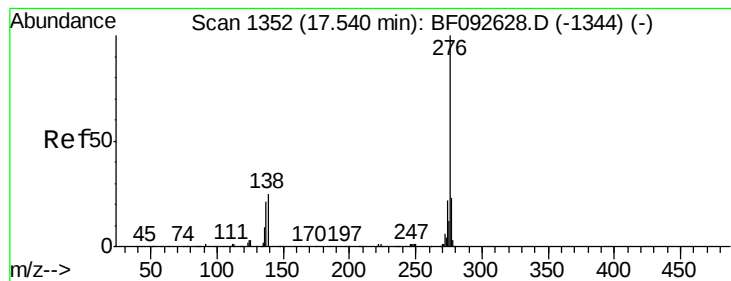


Abundance Ion 278.00 (277.70 to 278.70): E

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: 155.74 ng

RT: 17.32 min Scan# 1333

Delta R.T. 0.03 min

Lab File: BF093237.D

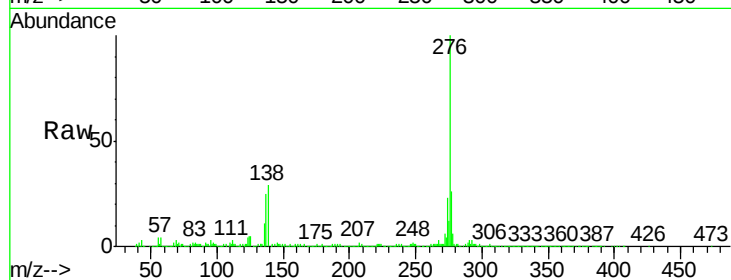
Acq: 28 Feb 2017 6:17

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASE



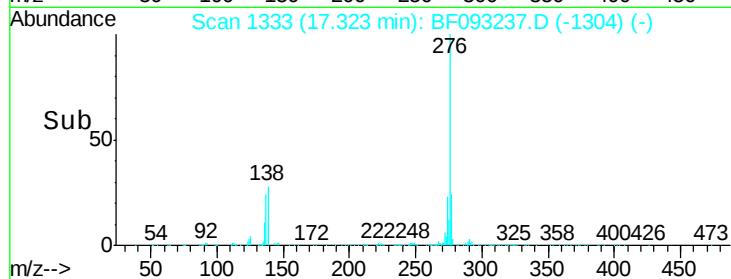
Tgt Ion:276 Resp: 1491304

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 29.2 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

