

Data File : BF093234.D
Acq On : 28 Feb 2017 4:54
Operator : SJ/MA
Sample : I1973-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

Quant Time: Feb 28 05:28:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	166996	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	612094	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	263770	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	353524	20.00	ng	0.01
75) Chrysene-d12	14.01	240	218584	20.00	ng	0.02
86) Perylene-d12	15.44	264	286258	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	201626	20.71	ng	0.00
7) Phenol-d6	6.46	99	268122	21.41	ng	-0.01
23) Nitrobenzene-d5	7.39	82	156754	14.26	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	28274	14.82	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	274320	18.84	ng	0.00
78) Terphenyl-d14	12.93	244	186348	20.03	ng	0.00

Target Compounds						Qvalue
18) Hexachloroethane	7.39	117	11988	2.76	ng	# 5
19) n-Nitroso-di-n-propylamine	7.39	70	20462	2.57	ng	# 76
20) 3+4-Methylphenols	7.25	107	30646	2.78	ng	# 72
27) 2,4-Dimethylphenol	7.78	122	20918	2.22	ng	94
31) Naphthalene	8.13	128	2401051	77.38	ng	99
32) Benzoic acid	7.90	122	32679	12.37	ng	# 16
33) 4-Chloroaniline	8.13	127	335820	27.60	ng	# 35
37) 2-Methylnaphthalene	8.82	142	868223	43.58	ng	98
45) 1,1'-Biphenyl	9.28	154	333052	17.44	ng	95
48) Acenaphthylene	9.72	152	58332	2.26	ng	# 80
49) Dimethylphthalate	9.58	163	36483	2.05	ng	100
51) Acenaphthene	9.89	154	1012339	65.60	ng	97
53) 2,4-Dinitrophenol	10.10	184	210	4.84	ng	# 1
54) Dibenzofuran	10.06	168	1662426	80.54	ng	97
55) 4-Nitrophenol	10.06	139	587932	185.90	ng	# 6
57) Fluorene	10.42	166	1626416	102.42	ng	96
61) 4-Nitroaniline	10.42	138	18698	4.16	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.48	198	326	2.81	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	134144	11.88	ng	# 1
70) Phenanthrene	11.40	178	8015715	395.76	ng	99
71) Anthracene	11.45	178	2994948	147.25	ng	99
72) Carbazole	11.58	167	1247224	64.15	ng	99
74) Fluoranthene	12.60	202	6950926	332.71	ng	96
77) Pyrene	12.83	202	5713808	349.30	ng	98
80) Benzo(a)anthracene	14.00	228	3593338	268.78	ng	96
82) Chrysene	14.00	228	3593338	287.07	ng	95
85) Indeno(1,2,3-cd)pyrene	16.87	276	1294868	133.55	ng	97
87) Benzo(b)fluoranthene	15.04	252	3813675	202.41	ng	98
88) Benzo(k)fluoranthene	15.04	252	3813675	234.43	ng	# 98
89) Benzo(a)pyrene	15.39	252	2109404	129.43	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	312668	23.74	ng	94
91) Benzo(g,h,i)perylene	17.29	276	1132666	85.12	ng	# 91

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Acq On : 28 Feb 2017 4:54

Operator : SJ/MA

Sample : I1973-12 5X

Misc :

ALS Vial : 23 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

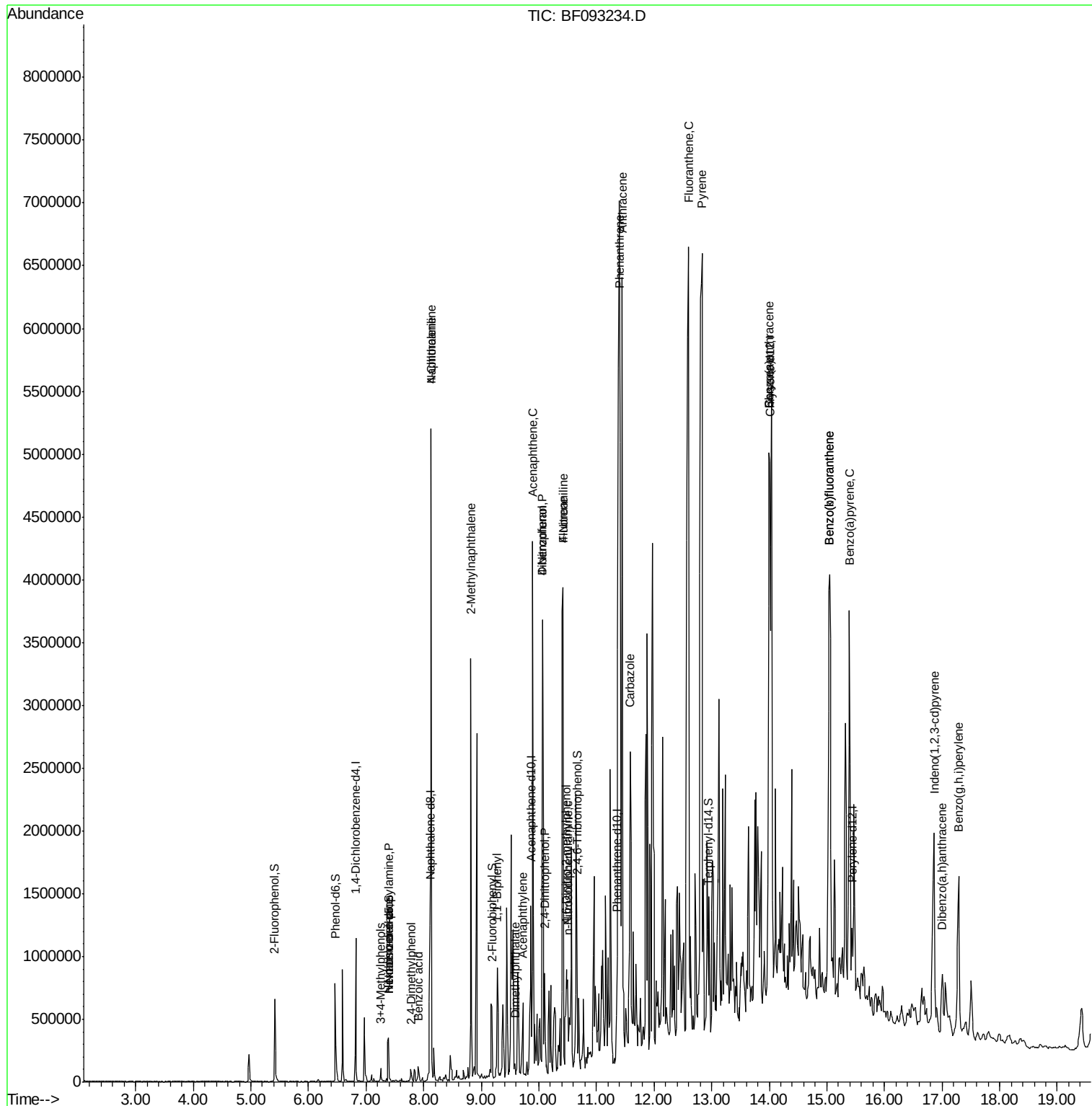
Quant Time: Feb 28 05:28:06 2017

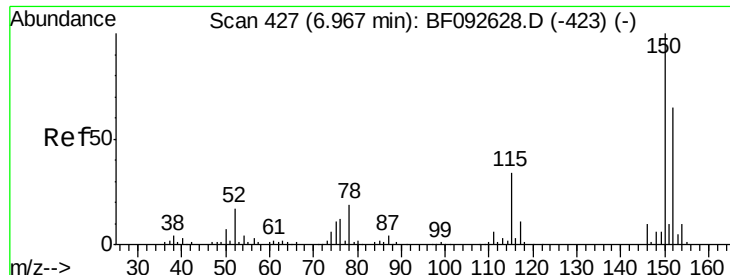
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 28 00:51:02 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

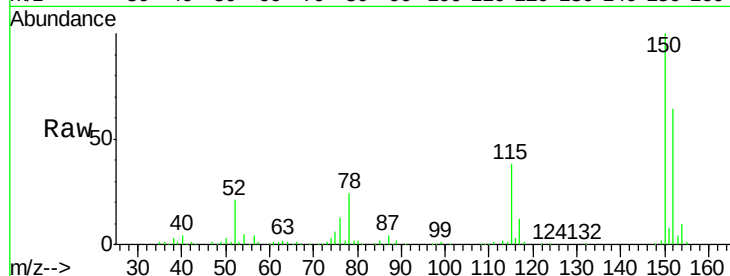
Tgt Ion:152 Resp: 166996

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

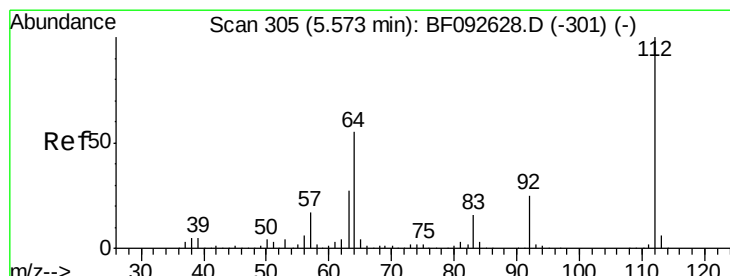
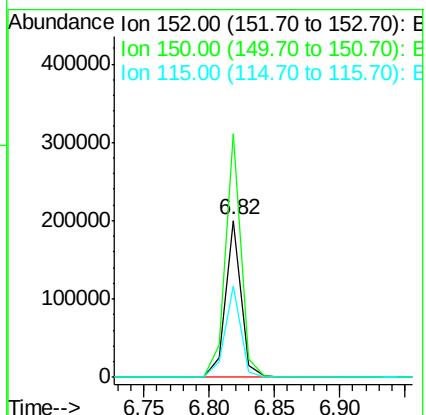
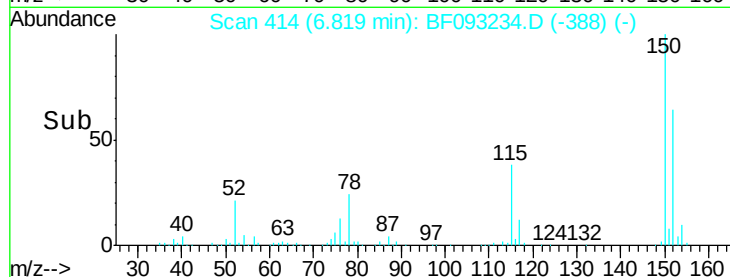
115 58.2 46.0 69.0



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: 20.71 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

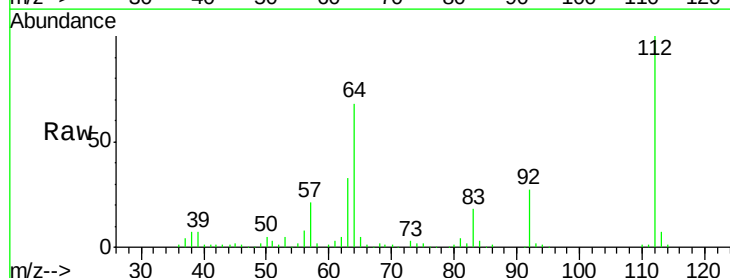
Tgt Ion:112 Resp: 201626

Ion Ratio Lower Upper

112 100

64 67.8 46.1 69.1

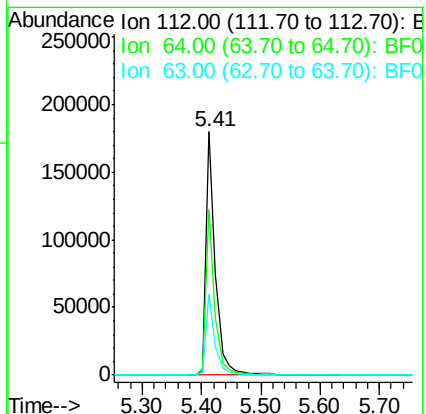
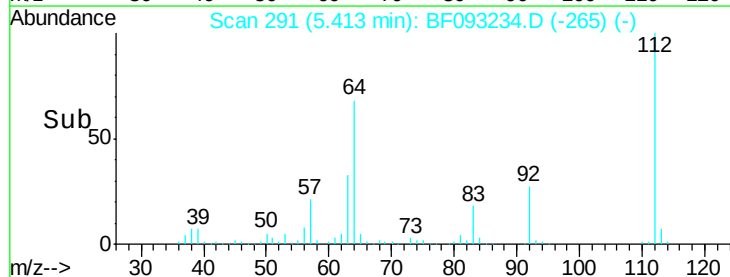
63 33.4 23.8 35.6

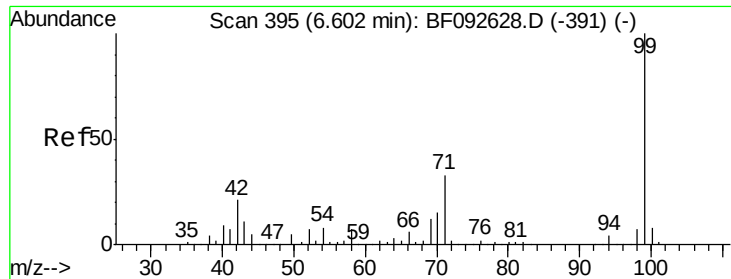


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.41 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

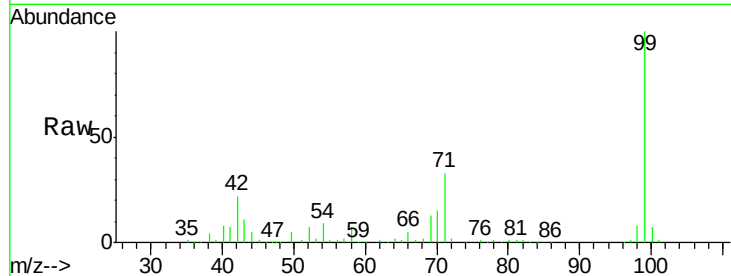
Tgt Ion: 99 Resp: 268122

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

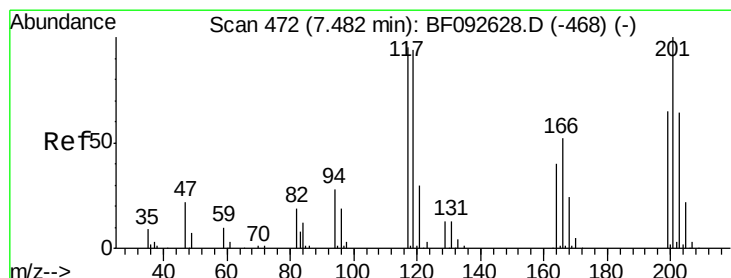
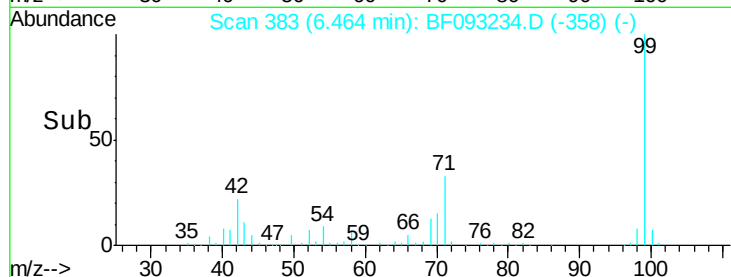
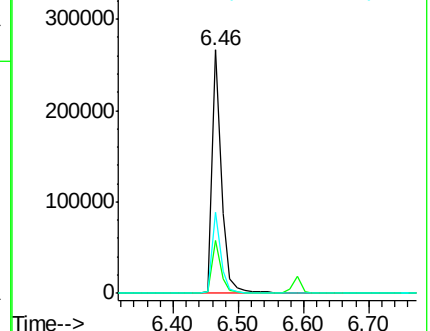
71 33.1 27.5 41.3



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



#18

Hexachloroethane

Concen: 2.76 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.06 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

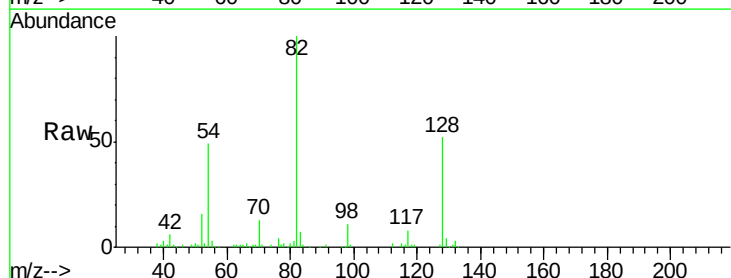
Tgt Ion: 117 Resp: 11988

Ion Ratio Lower Upper

117 100

119 7.3 78.1 117.1#

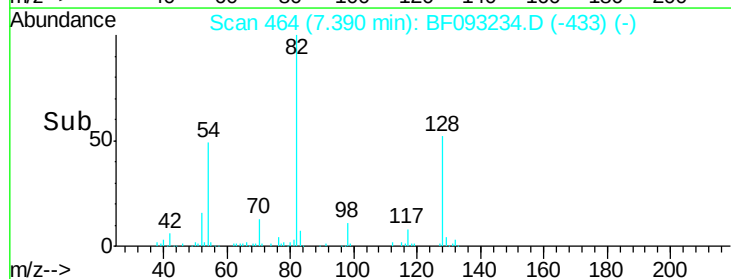
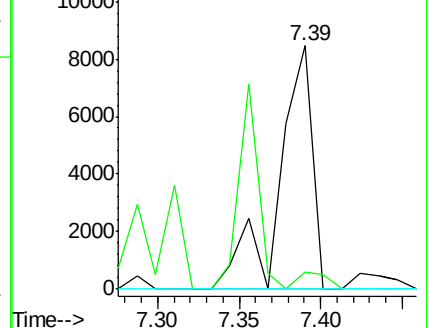
201 0.0 78.6 117.8#

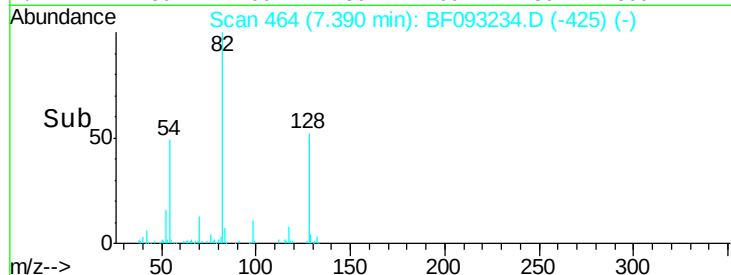
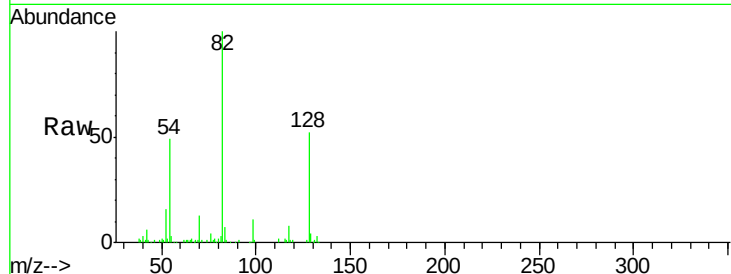
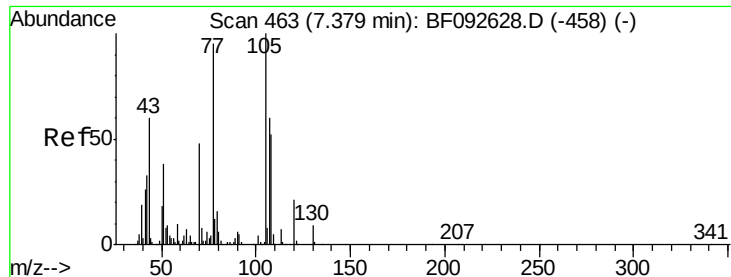


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

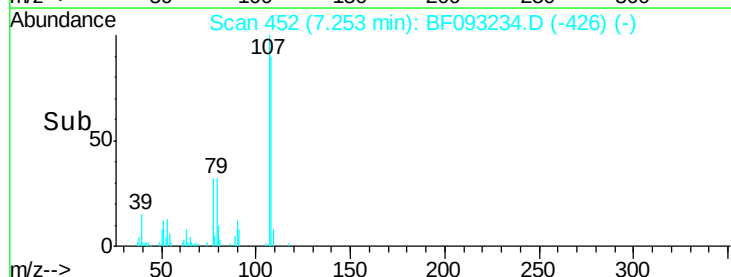
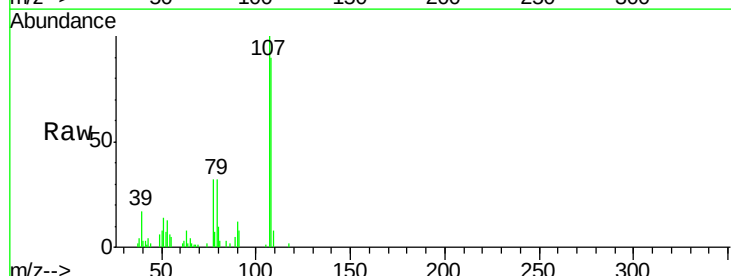
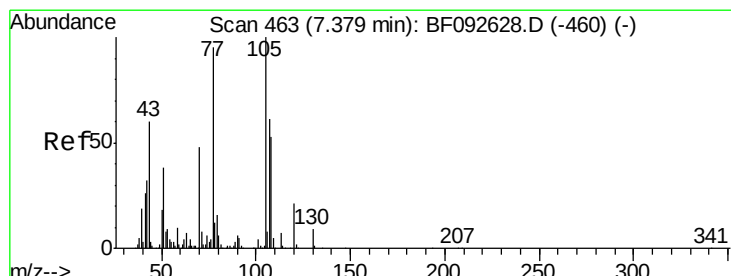
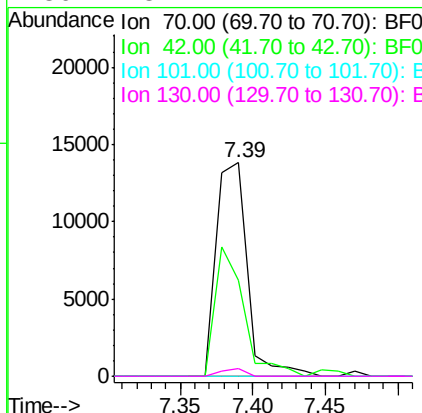




#19
n-Nitroso-di-n-propylamine
Concen: 2.57 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

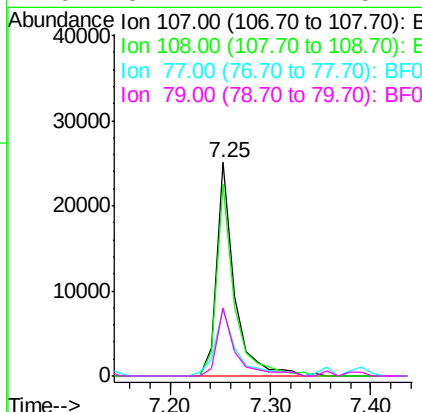
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

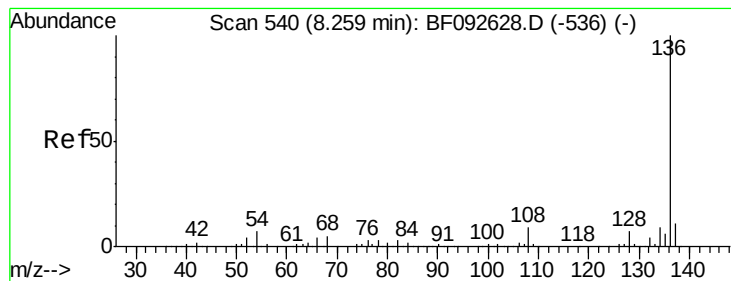
Tgt Ion:	70	Resp:	20462
Ion	Ratio	Lower	Upper
70	100		
42	44.8	49.4	74.0#
101	0.0	7.4	11.2#
130	3.7	14.2	21.4#



#20
3+4-Methylphenols
Concen: 2.78 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:	107	Resp:	30646
Ion	Ratio	Lower	Upper
107	100		
108	89.8	73.0	113.0
77	31.5	71.3	111.3#
79	31.7	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

Tgt Ion: 136 Resp: 612094

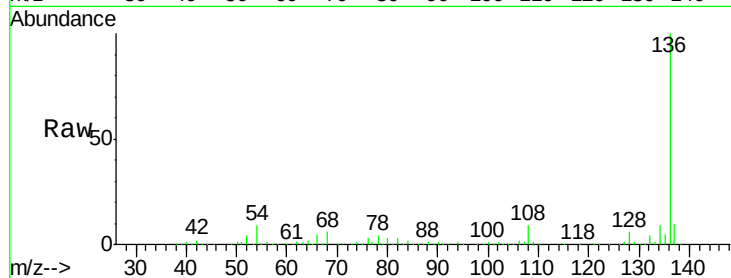
Ion Ratio Lower Upper

136 100

137 10.2 8.4 12.6

54 8.6 4.5 6.7#

68 6.3 3.6 5.4#

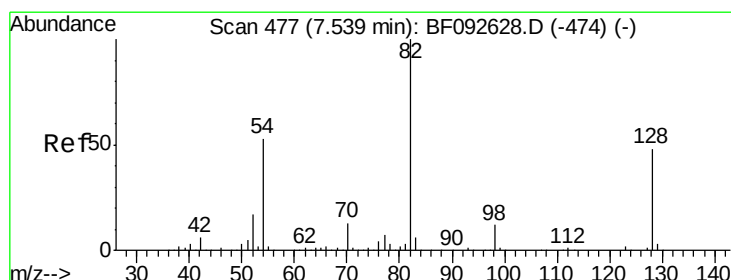
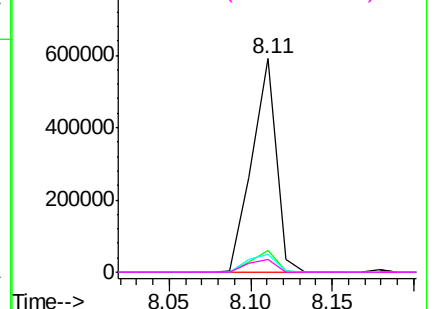
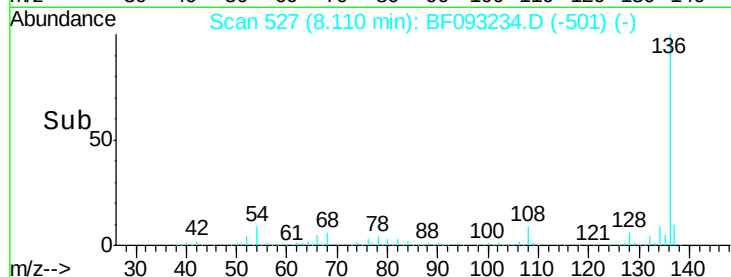


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.26 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

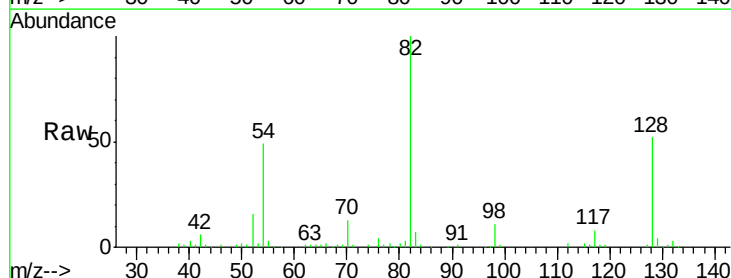
Tgt Ion: 82 Resp: 156754

Ion Ratio Lower Upper

82 100

128 51.9 34.6 52.0

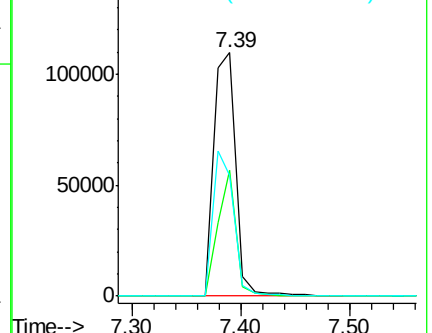
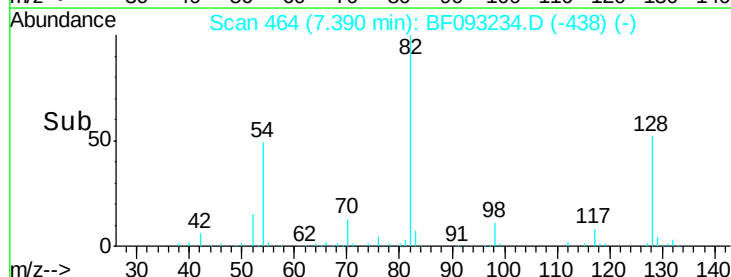
54 49.4 39.5 59.3

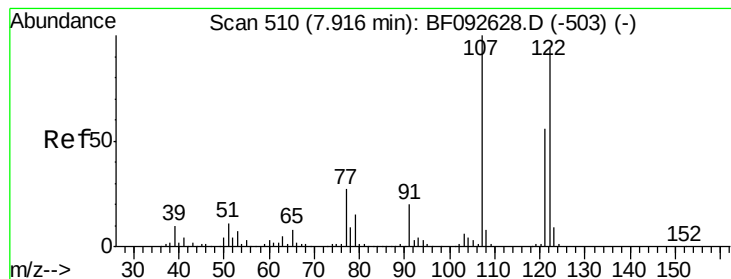


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 2.22 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.01 min

Lab File: BF093234.D

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ClientSampleId :

E2-B1-B2-BASE-2

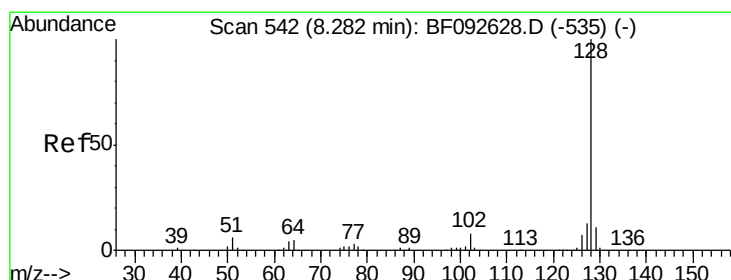
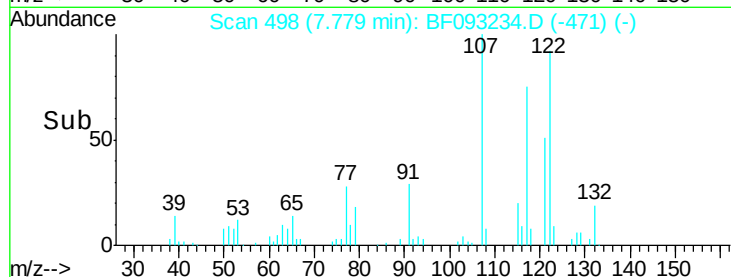
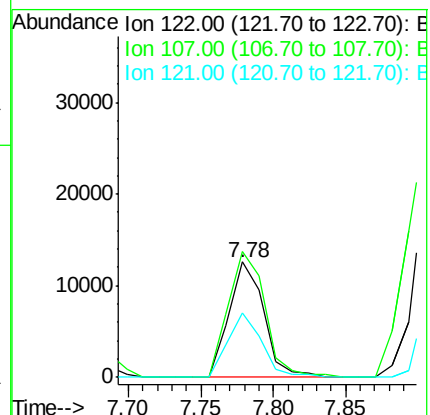
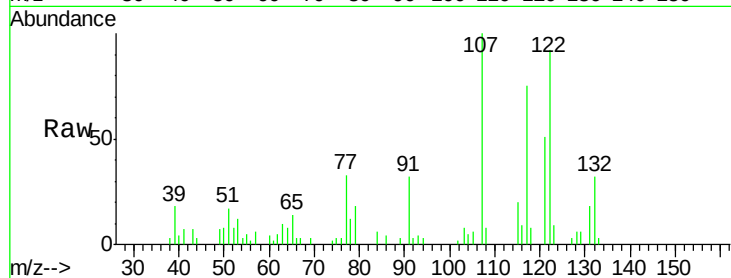
Tgt Ion:122 Resp: 20918

Ion Ratio Lower Upper

122 100

107 108.9 94.1 141.1

121 55.6 46.0 69.0



#31

Naphthalene

Concen: 77.38 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

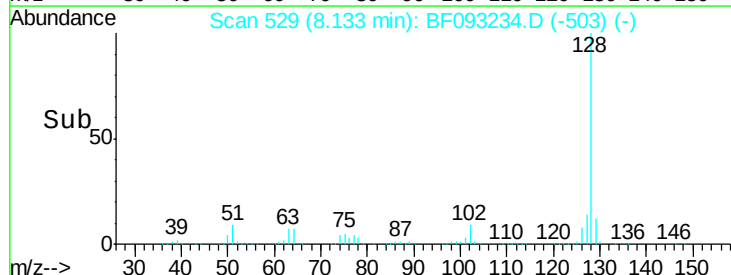
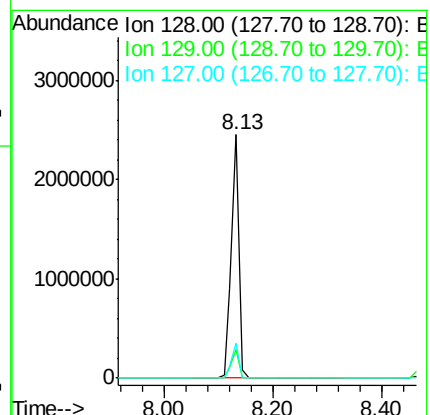
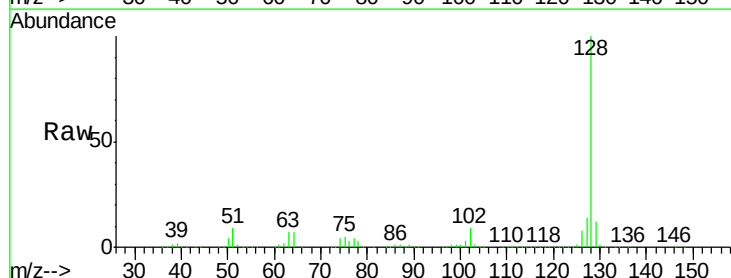
Tgt Ion:128 Resp: 2401051

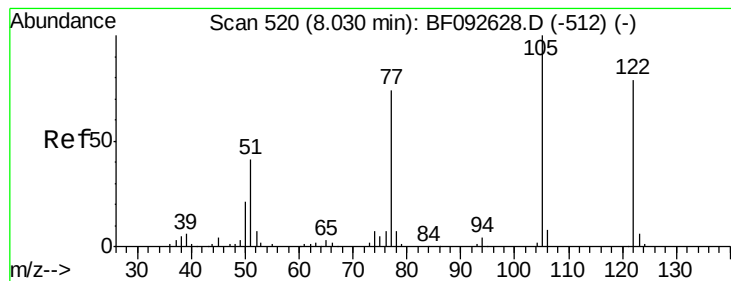
Ion Ratio Lower Upper

128 100

129 11.6 9.5 14.3

127 14.3 10.8 16.2





#32

Benzoic acid

Concen: 12.37 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

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ClientSampleId :

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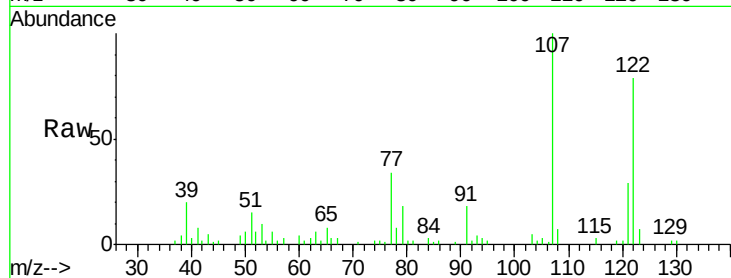
Tgt Ion:122 Resp: 32679

Ion Ratio Lower Upper

122 100

105 4.3 107.2 147.2#

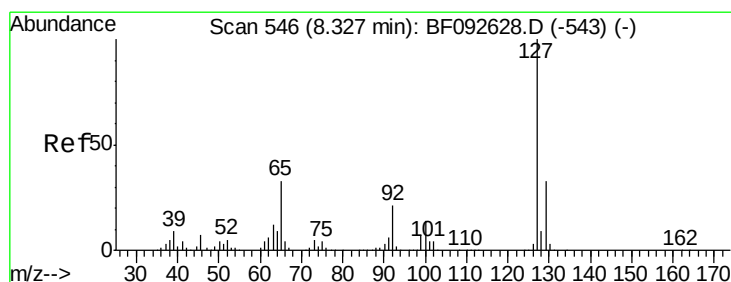
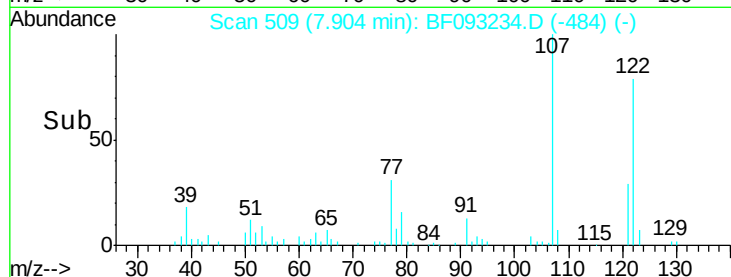
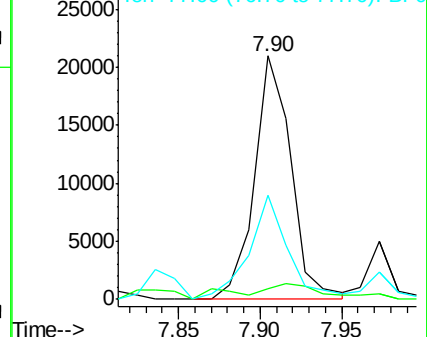
77 42.6 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 27.60 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.05 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Tgt Ion:127 Resp: 335820

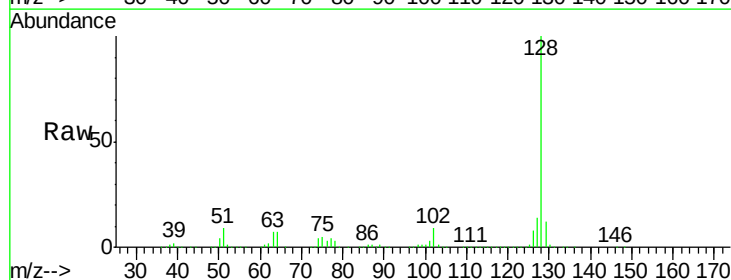
Ion Ratio Lower Upper

127 100

129 81.5 26.3 39.5#

65 0.0 25.8 38.8#

92 0.0 16.1 24.1#

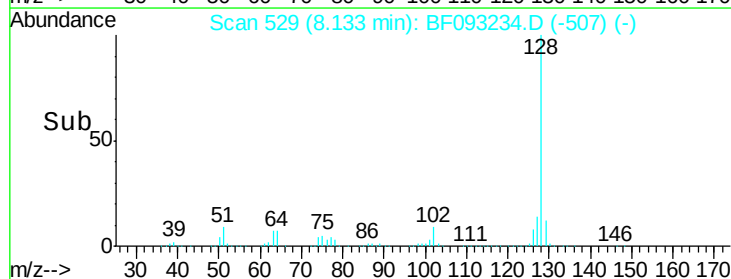
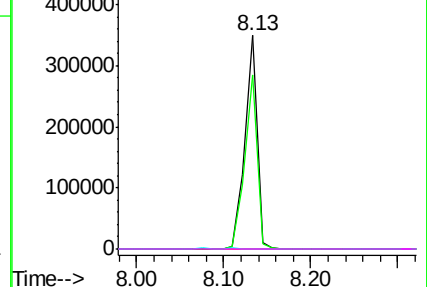


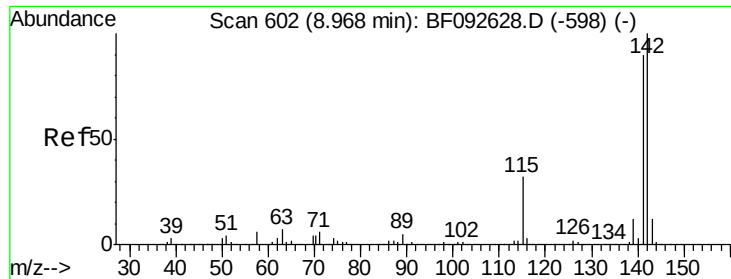
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

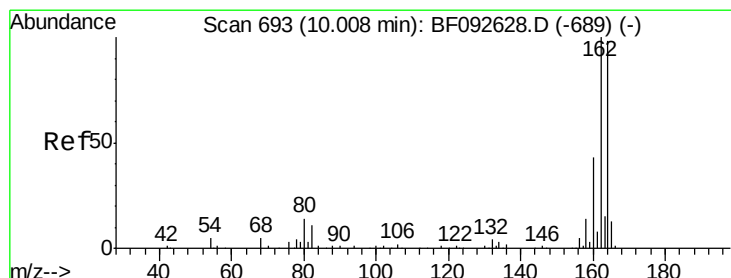
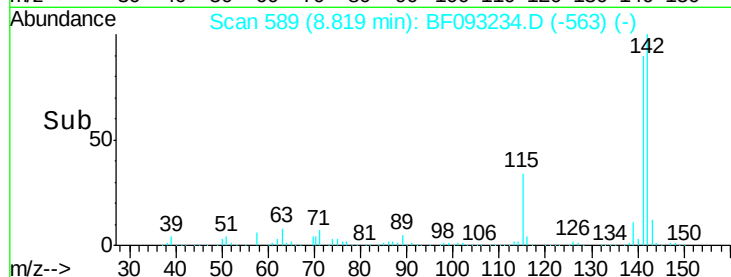
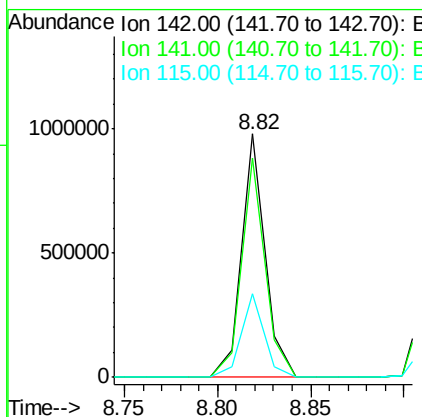
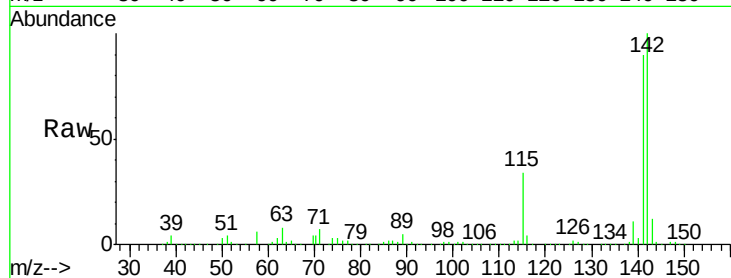




#37
2-Methylnaphthalene
Concen: 43.58 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

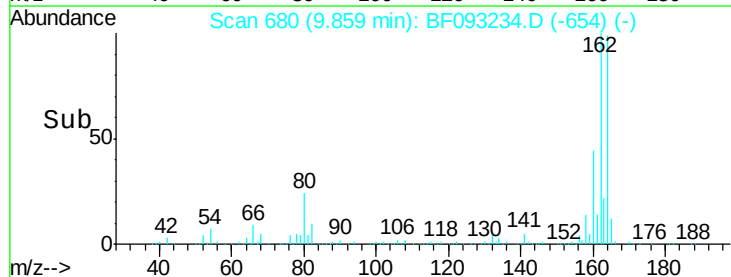
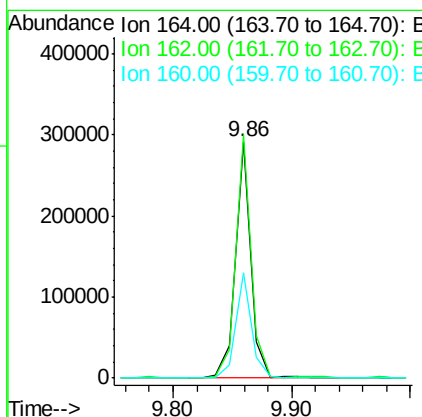
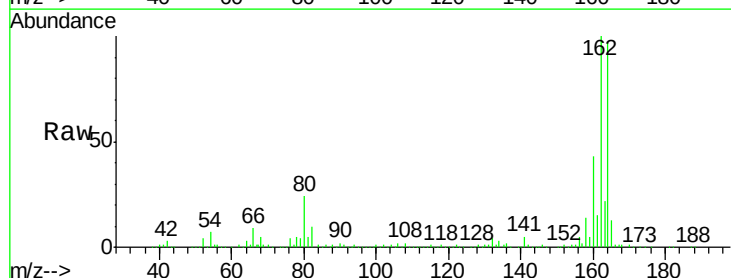
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

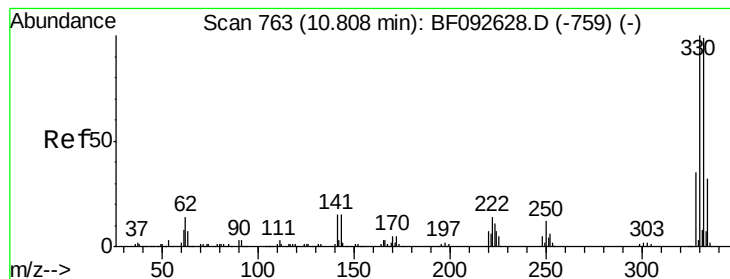
Tgt Ion:142 Resp: 868223
Ion Ratio Lower Upper
142 100
141 90.2 71.0 106.6
115 34.3 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:164 Resp: 263770
Ion Ratio Lower Upper
164 100
162 103.0 80.2 120.2
160 44.5 36.9 55.3

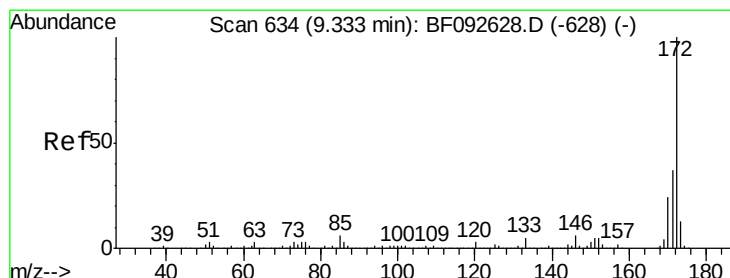
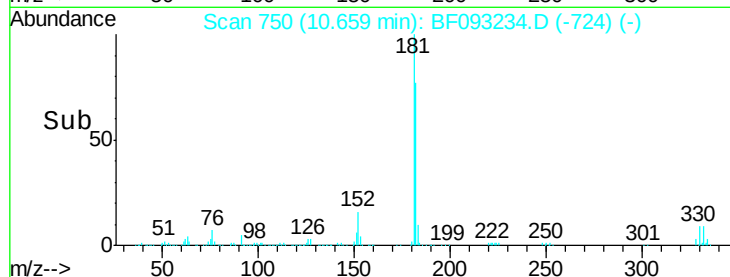
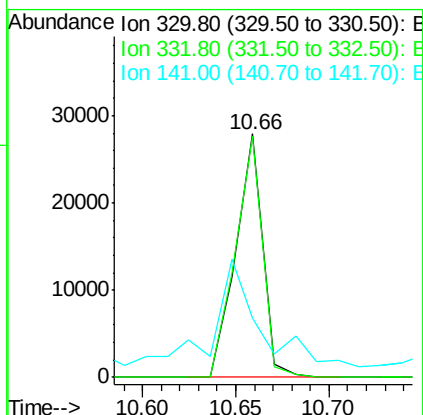
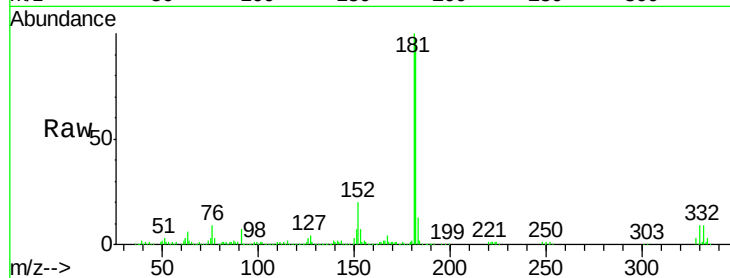




#41
 2,4,6-Tribromophenol
 Concen: 14.82 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

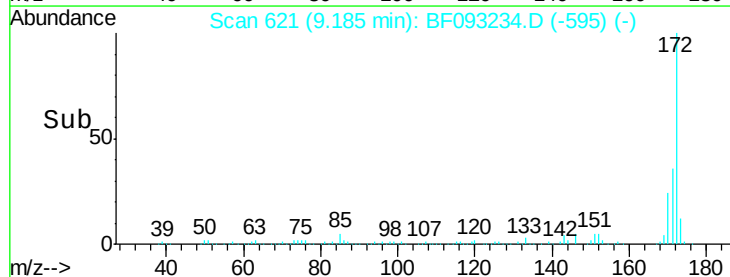
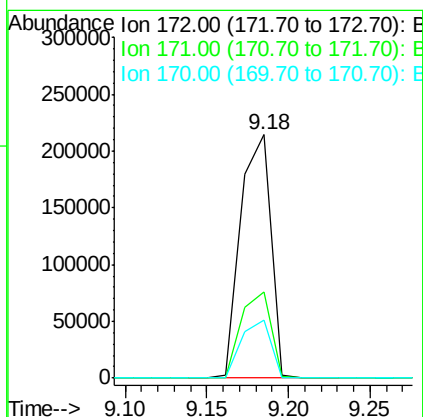
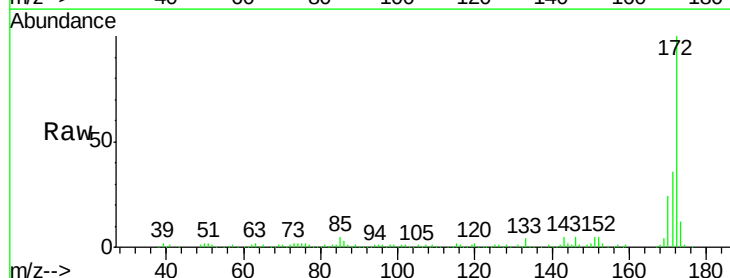
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

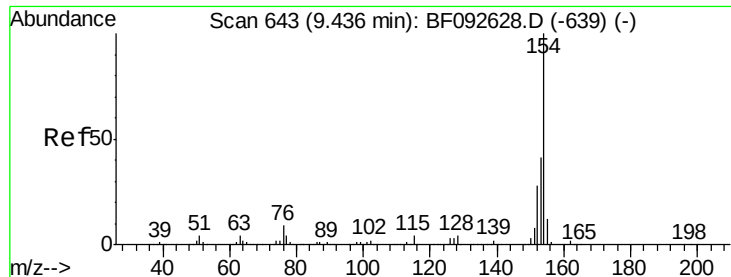
Tgt Ion:330 Resp: 28274
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.4 116.2
 141 74.6 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 18.84 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Tgt Ion:172 Resp: 274320
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.7 20.2 30.4

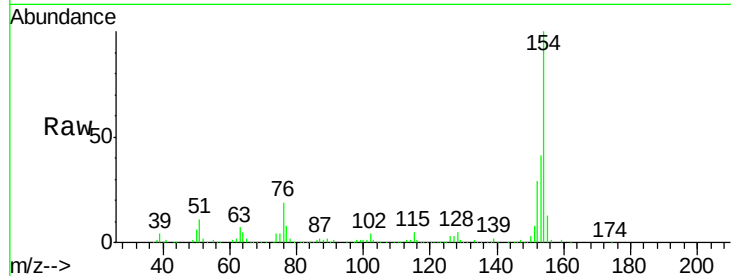




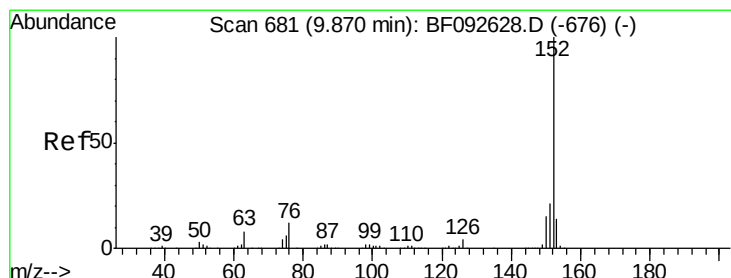
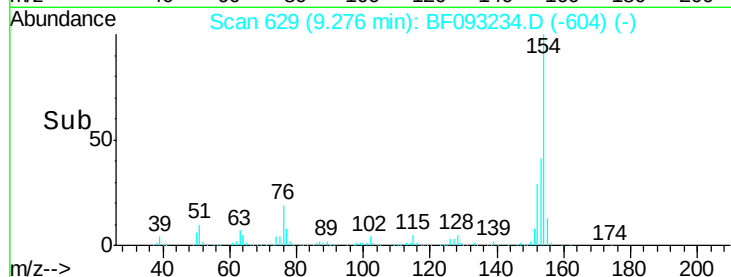
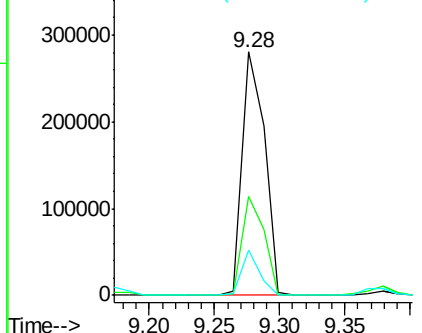
#45
 1,1'-Biphenyl
 Concen: 17.44 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

Tgt Ion:154 Resp: 333052
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.9 60.9
 76 18.6 0.0 30.5

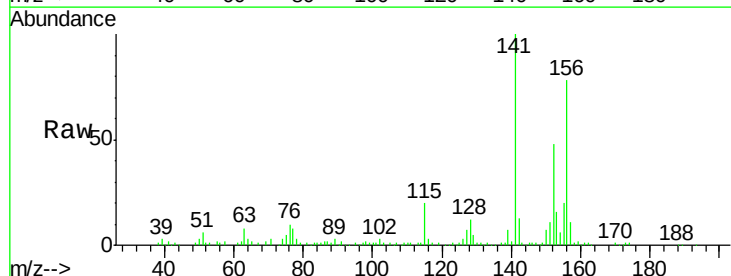


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

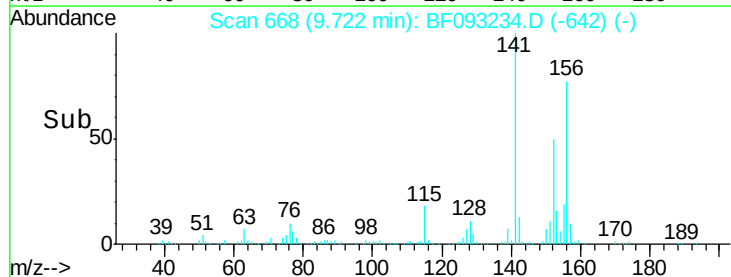
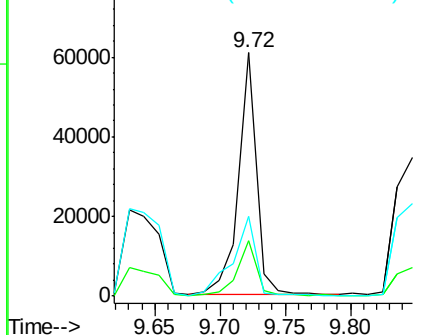


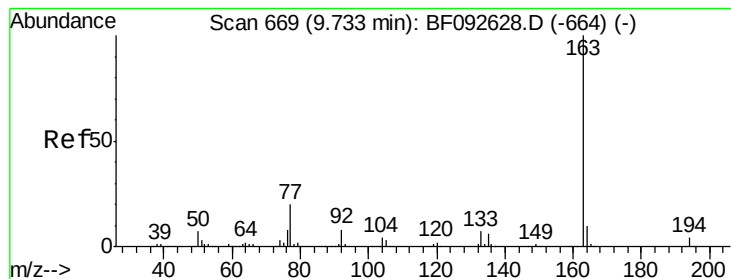
#48
 Acenaphthylene
 Concen: 2.26 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Tgt Ion:152 Resp: 58332
 Ion Ratio Lower Upper
 152 100
 151 22.6 16.9 25.3
 153 33.0 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: 2.05 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

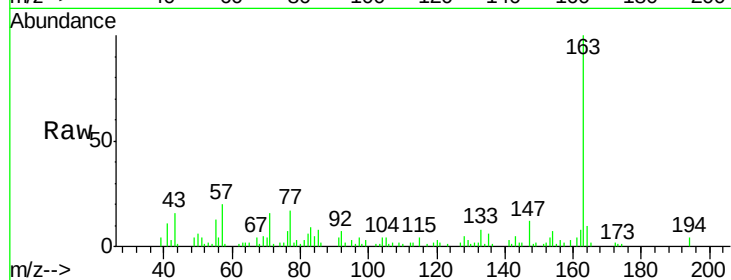
Tgt Ion:163 Resp: 36483

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 10.1 8.0 12.0

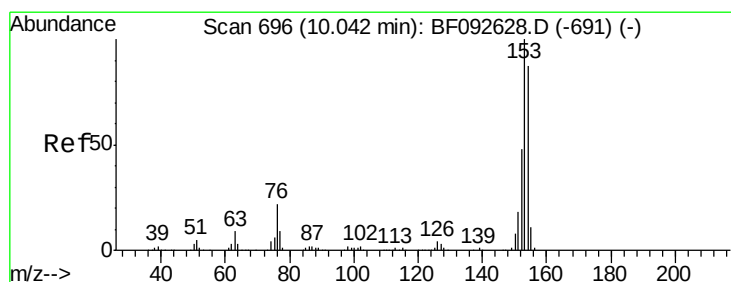
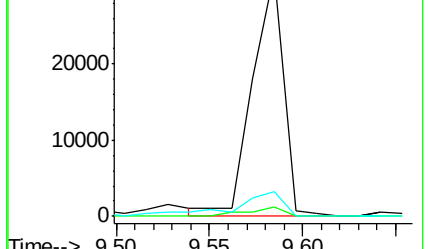
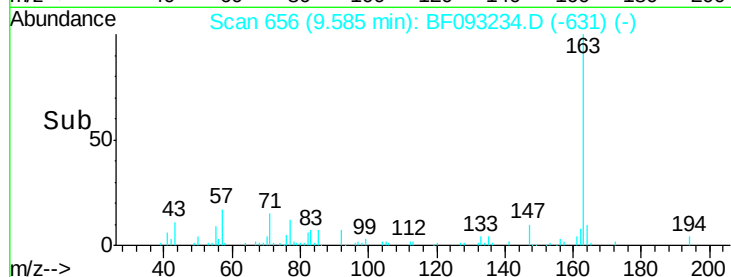


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time--> 9.50 9.55 9.60



#51

Acenaphthene

Concen: 65.60 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

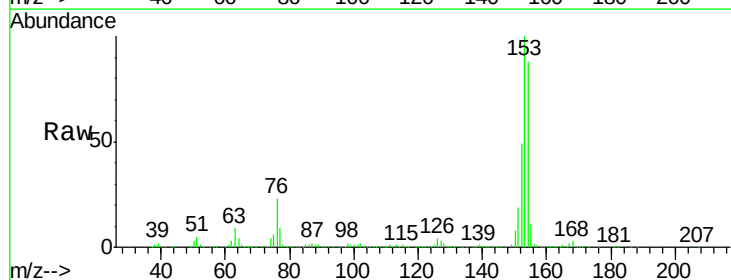
Tgt Ion:154 Resp: 1012339

Ion Ratio Lower Upper

154 100

153 113.5 88.6 133.0

152 55.4 41.6 62.4

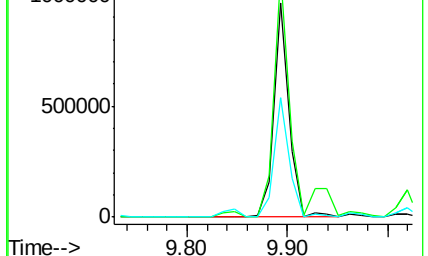
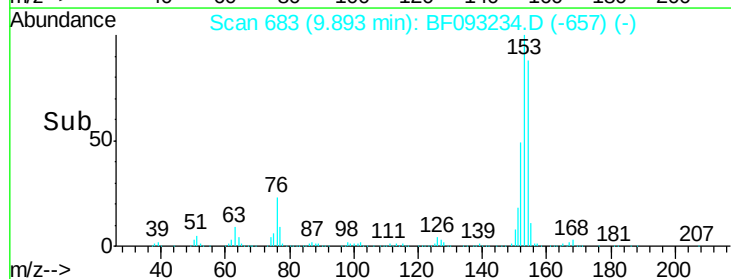


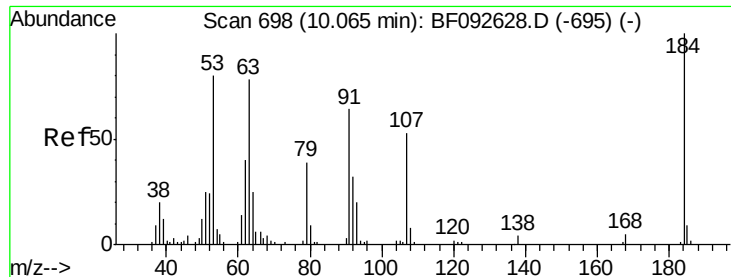
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time--> 9.80 9.90

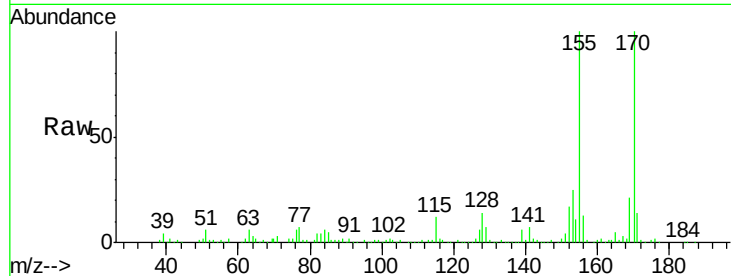




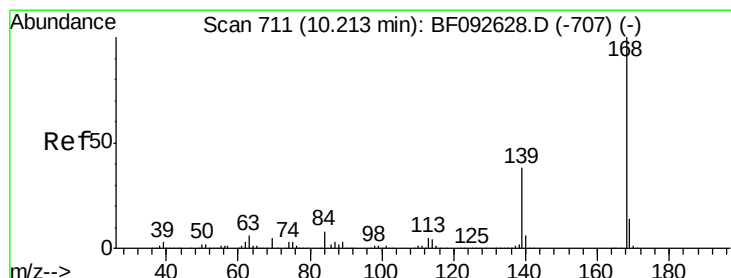
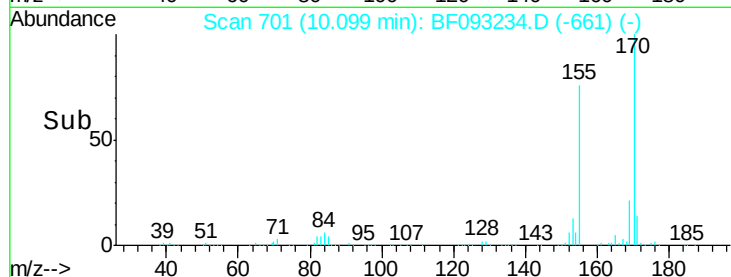
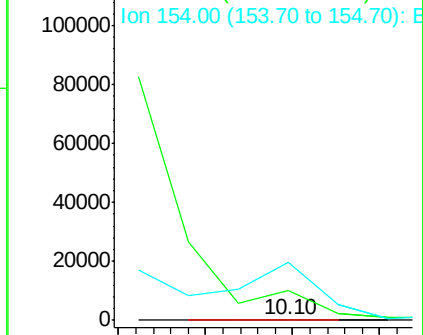
#53
 2,4-Dinitrophenol
 Concen: 4.84 ng
 RT: 10.10 min Scan# 701
 Delta R.T. 0.16 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

Tgt Ion:184 Resp: 210
 Ion Ratio Lower Upper
 184 100
 63 3245.1 28.4 42.6#
 154 6415.7 44.3 66.5#

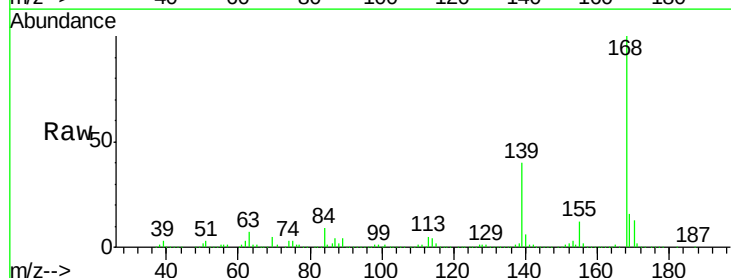


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

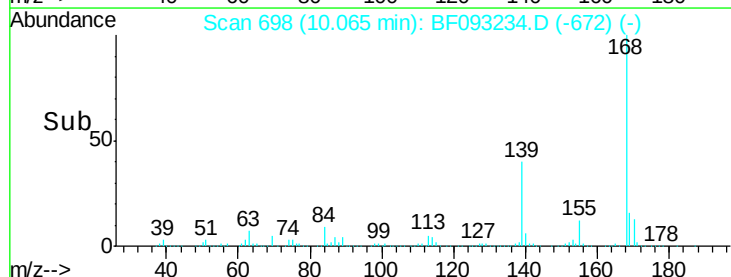
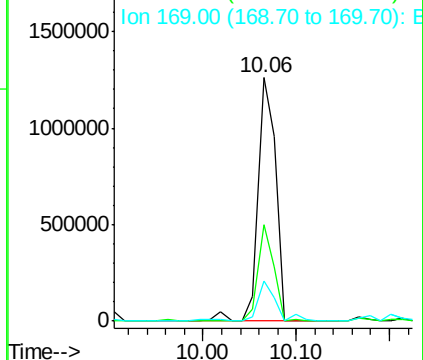


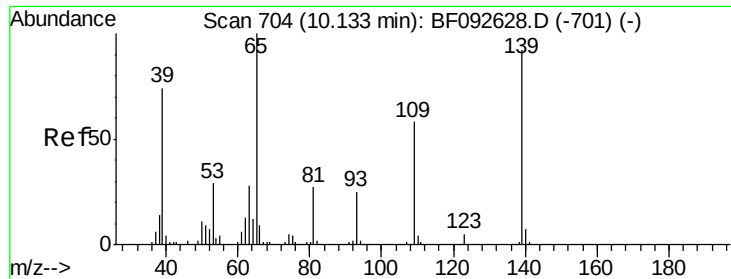
#54
 Dibenzofuran
 Concen: 80.54 ng
 RT: 10.06 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Tgt Ion:168 Resp: 1662426
 Ion Ratio Lower Upper
 168 100
 139 39.8 32.6 49.0
 169 16.4 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

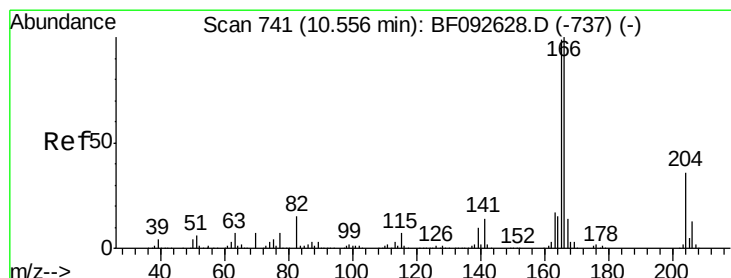
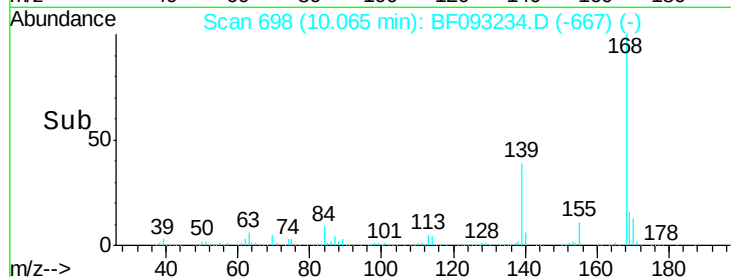
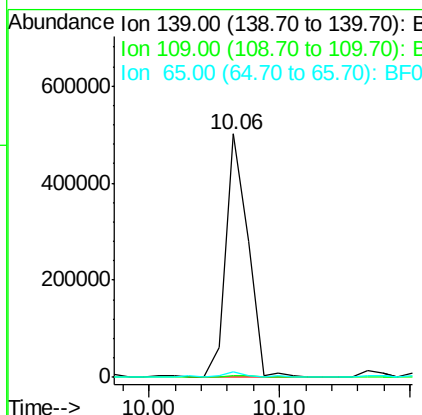
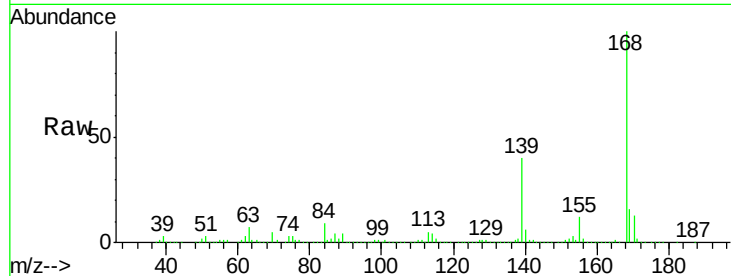




#55
4-Nitrophenol
Concen: 185.90 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.06 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

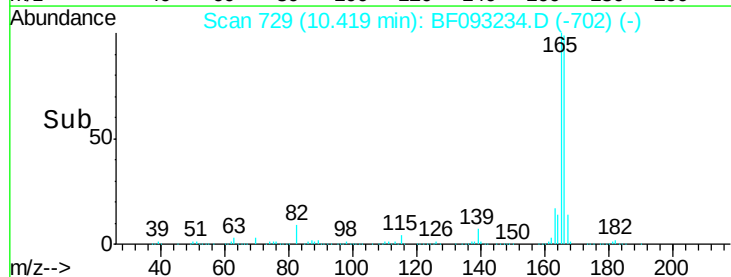
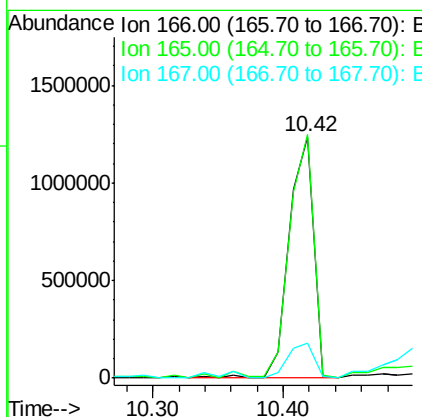
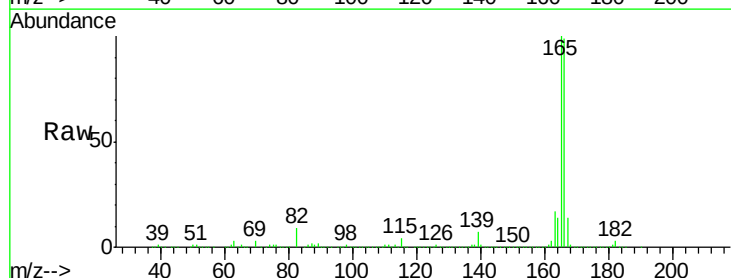
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

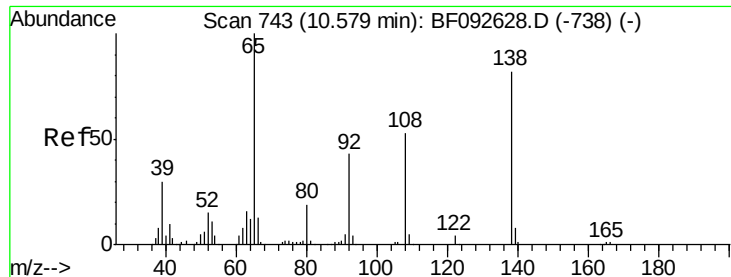
Tgt Ion:139 Resp: 587932
Ion Ratio Lower Upper
139 100
109 0.9 52.2 92.2#
65 2.2 85.8 125.8#



#57
Fluorene
Concen: 102.42 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:166 Resp: 1626416
Ion Ratio Lower Upper
166 100
165 101.0 77.8 116.8
167 14.5 10.8 16.2

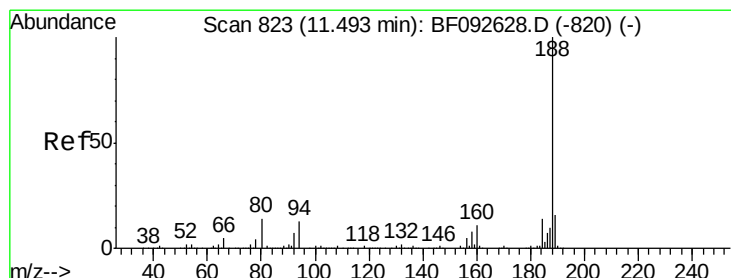
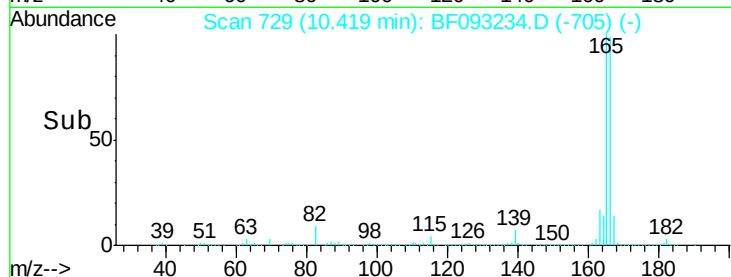
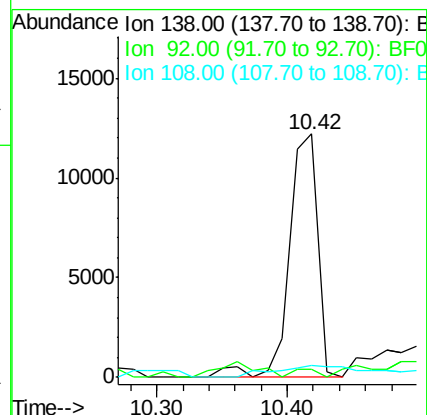
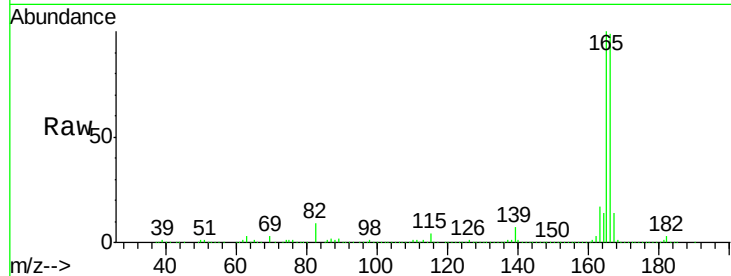




#61
4-Nitroaniline
Concen: 4.16 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

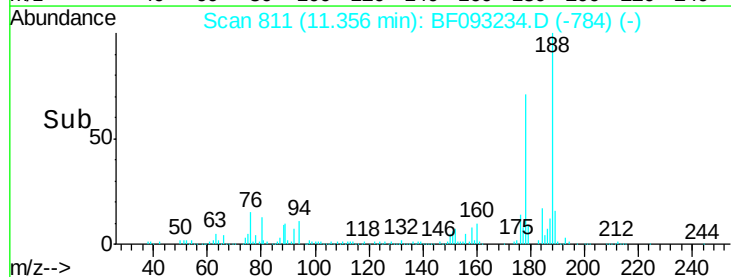
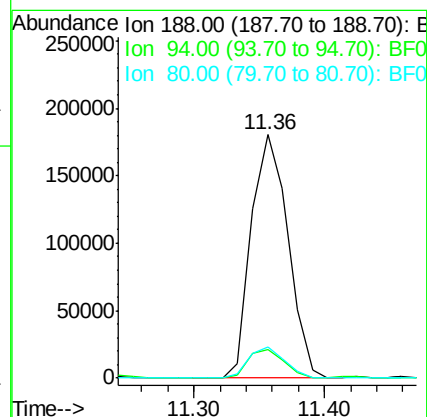
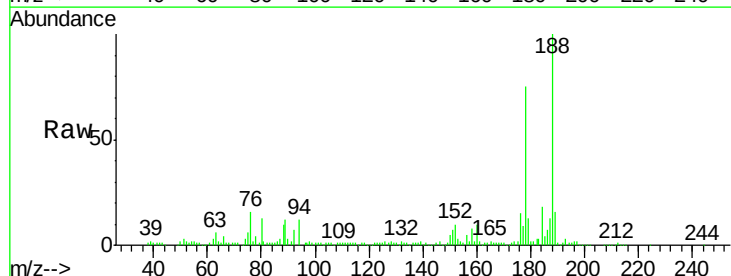
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

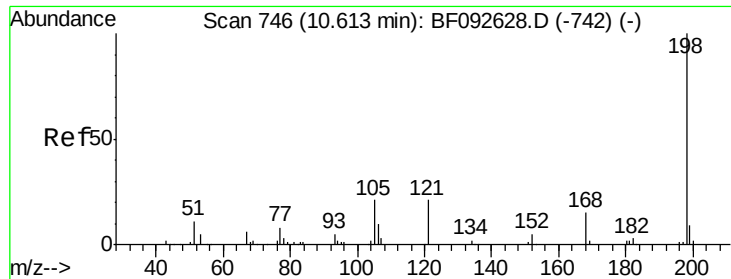
Tgt Ion:138 Resp: 18698
Ion Ratio Lower Upper
138 100
92 3.1 31.7 71.7#
108 5.1 52.6 92.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:188 Resp: 353524
Ion Ratio Lower Upper
188 100
94 11.5 10.0 15.0
80 13.0 11.2 16.8

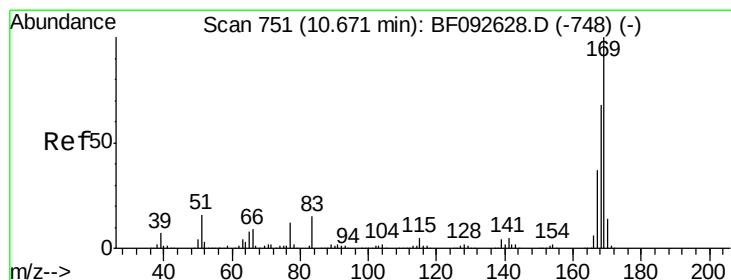
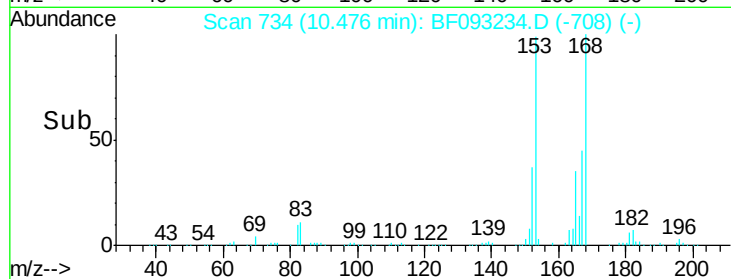
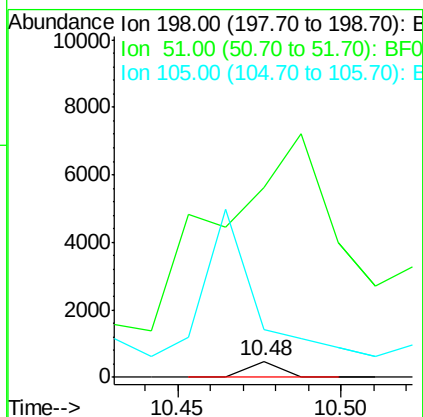
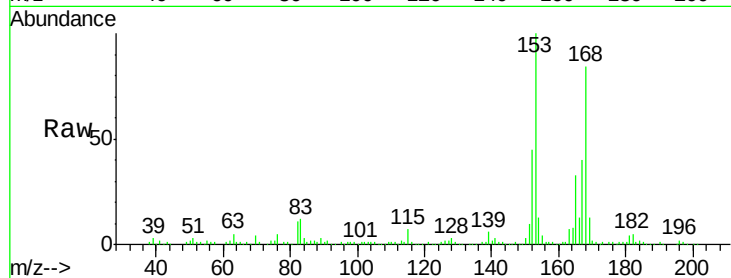




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.81 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

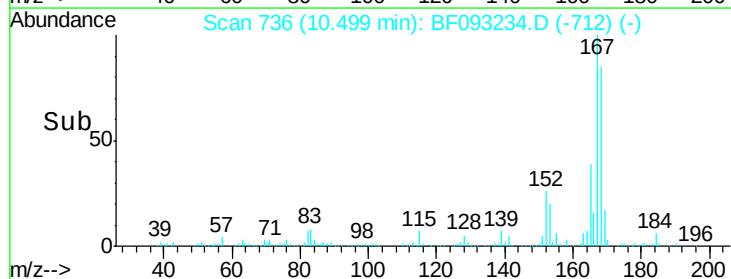
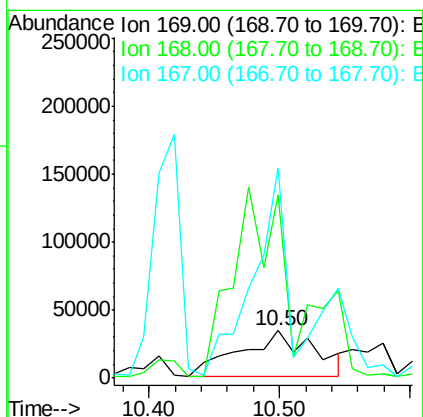
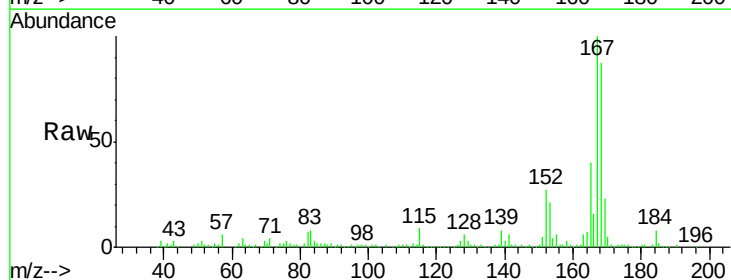
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

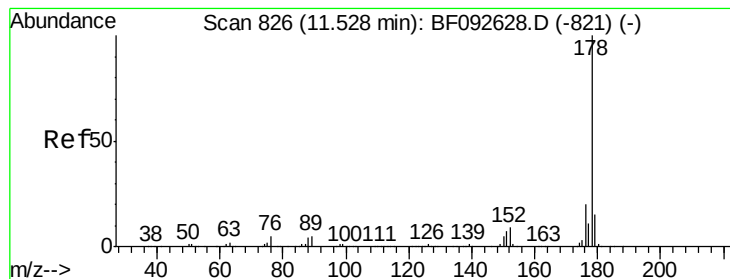
Tgt Ion:198 Resp: 326
 Ion Ratio Lower Upper
 198 100
 51 1184.8 6.7 46.7#
 105 300.6 16.6 56.6#



#65
 n-Nitrosodiphenylamine
 Concen: 11.88 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Tgt Ion:169 Resp: 134144
 Ion Ratio Lower Upper
 169 100
 168 384.1 54.2 81.2#
 167 442.3 30.2 45.4#





#70

Phenanthrene

Concen: 395.76 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.03 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

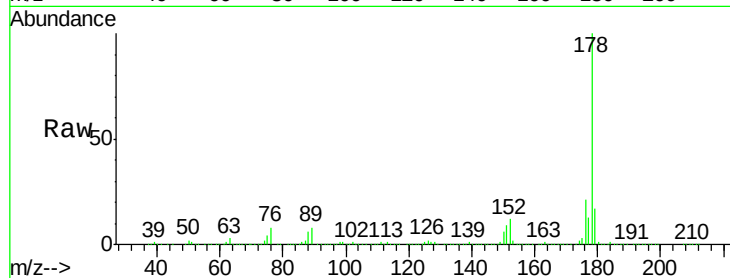
Tgt Ion:178 Resp: 8015715

Ion Ratio Lower Upper

178 100

176 20.9 16.6 25.0

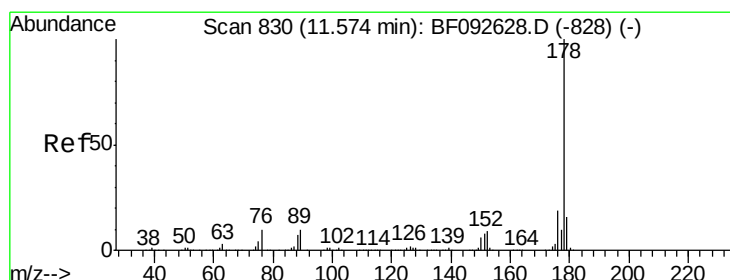
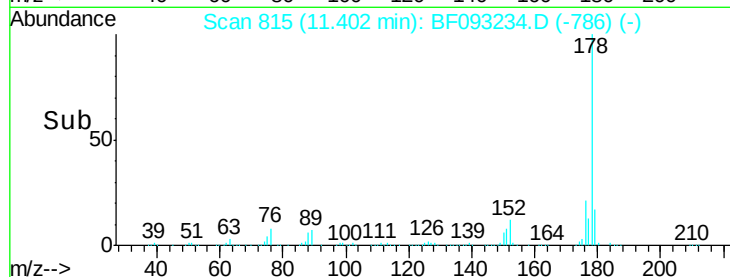
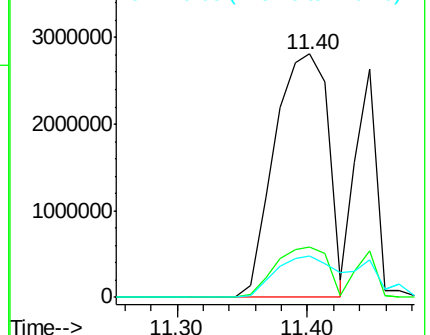
179 16.8 12.8 19.2



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: 147.25 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.02 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

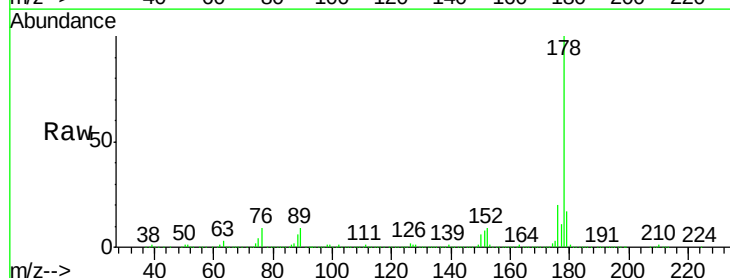
Tgt Ion:178 Resp: 2994948

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

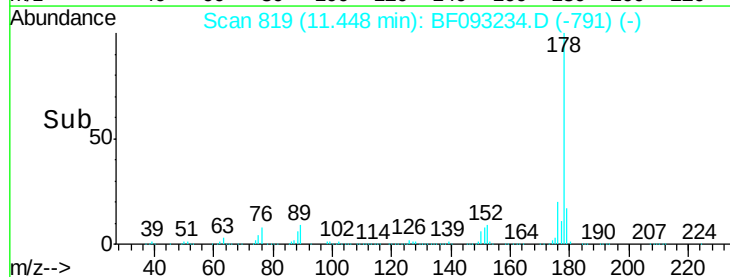
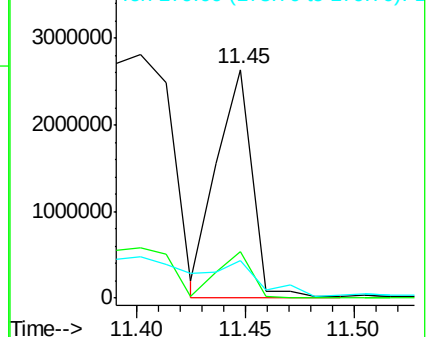
179 16.7 13.2 19.8

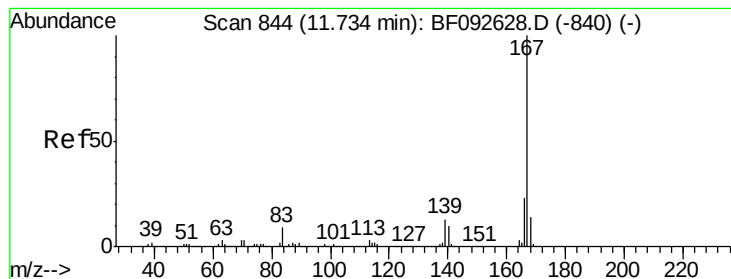


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 64.15 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

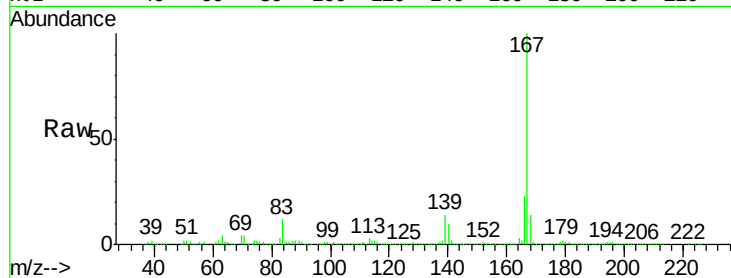
Tgt Ion:167 Resp: 1247224

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.2

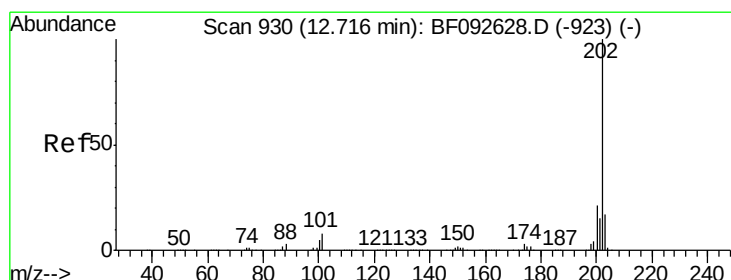
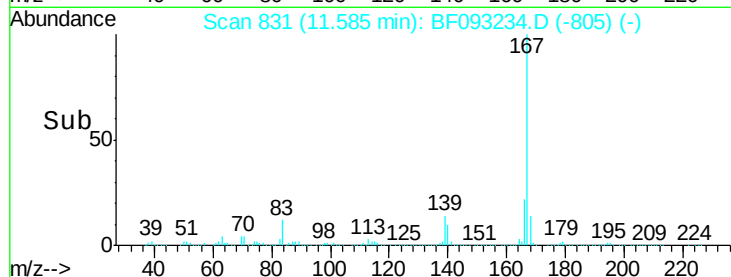
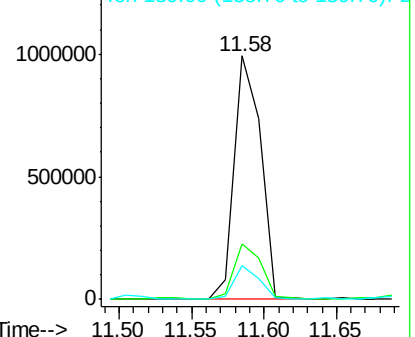
139 13.8 11.4 17.2



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: 332.71 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.05 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

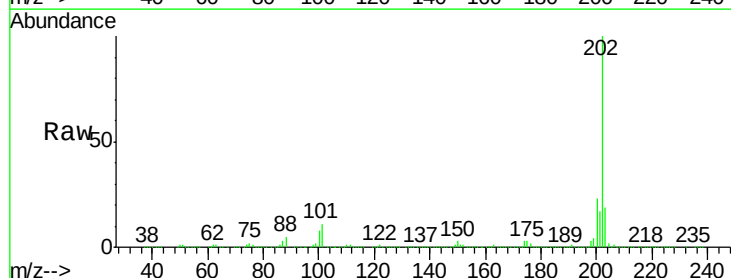
Tgt Ion:202 Resp: 6950926

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.6

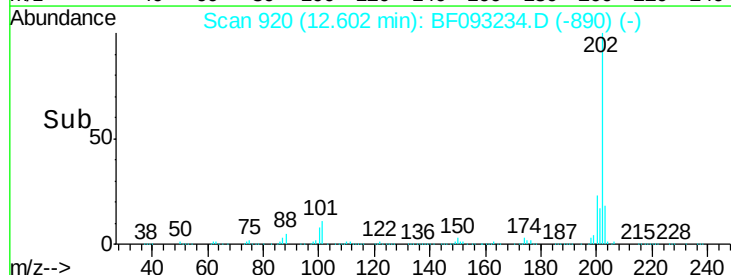
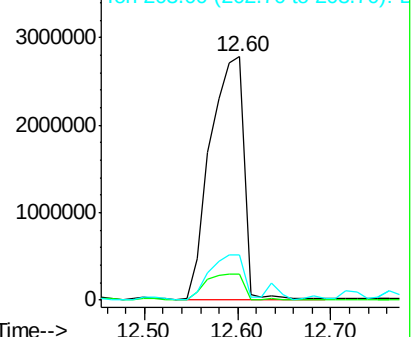
203 18.5 0.0 38.7

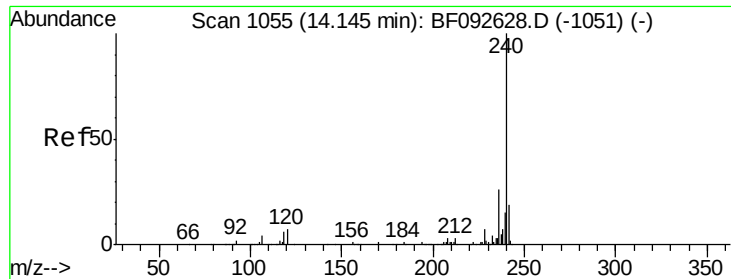


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

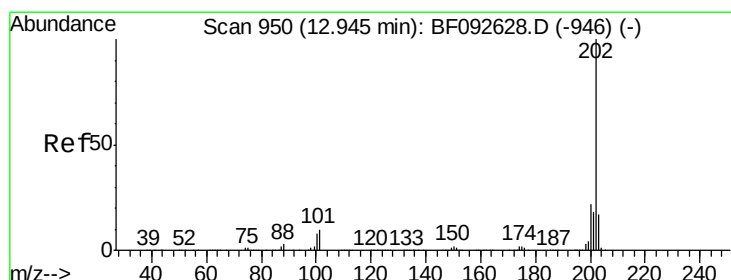
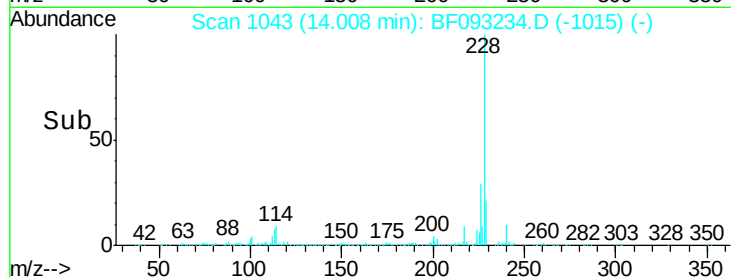
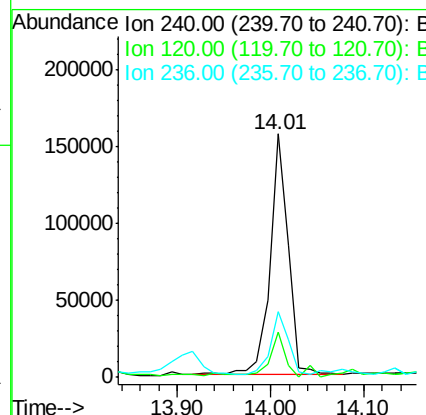
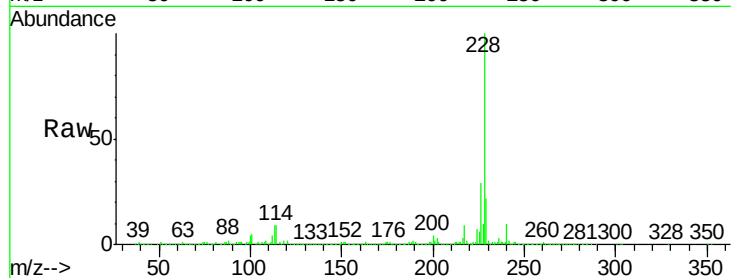




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.02 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

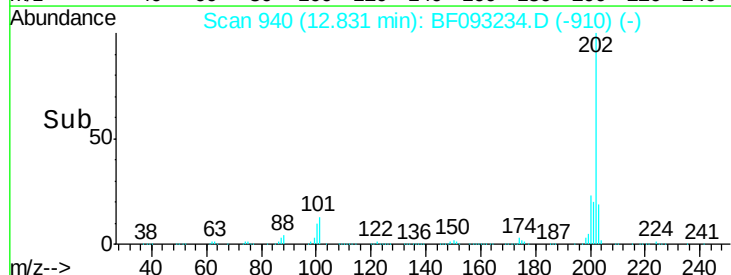
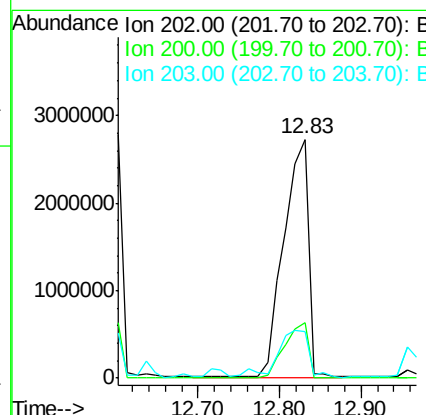
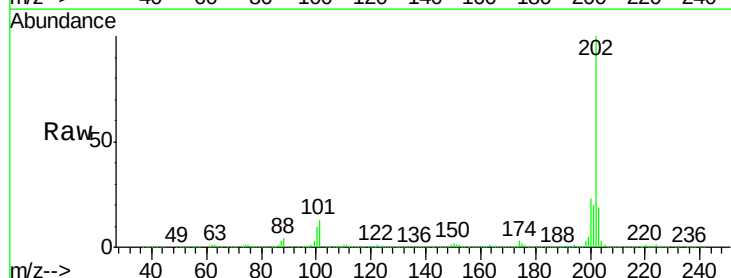
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-2

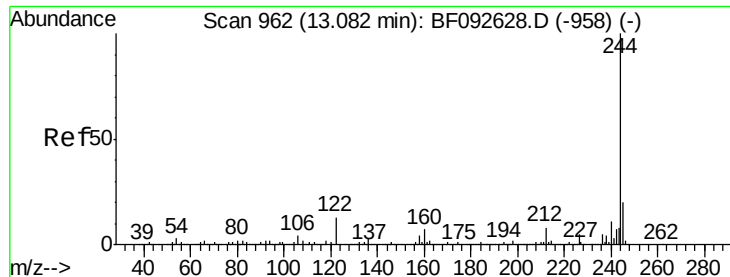
Tgt Ion:240 Resp: 218584
 Ion Ratio Lower Upper
 240 100
 120 18.4 12.9 19.3
 236 27.1 20.9 31.3



#77
 Pyrene
 Concen: 349.30 ng
 RT: 12.83 min Scan# 940
 Delta R.T. 0.05 min
 Lab File: BF093234.D
 Acq: 28 Feb 2017 4:54

Tgt Ion:202 Resp: 5713808
 Ion Ratio Lower Upper
 202 100
 200 23.1 17.7 26.5
 203 19.4 14.7 22.1





#78

Terphenyl-d14

Concen: 20.03 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

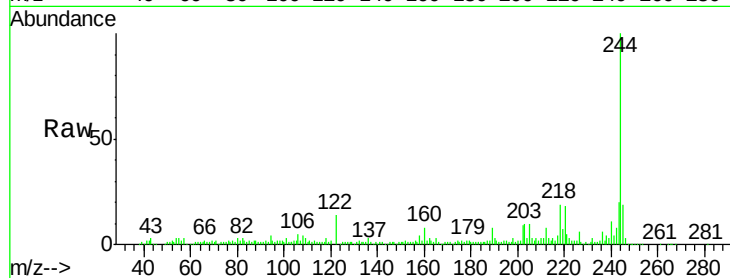
Tgt Ion:244 Resp: 186348

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

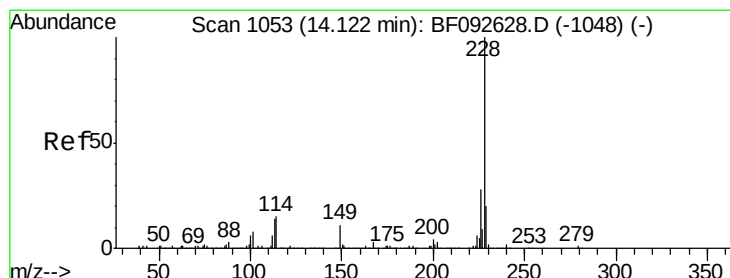
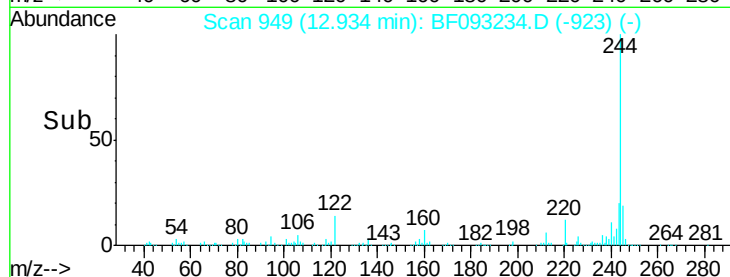
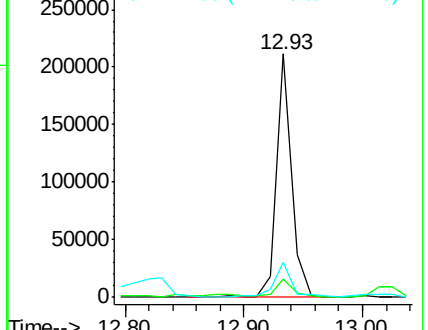
122 14.5 11.4 17.2



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: 268.78 ng

RT: 14.00 min Scan# 1042

Delta R.T. 0.02 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

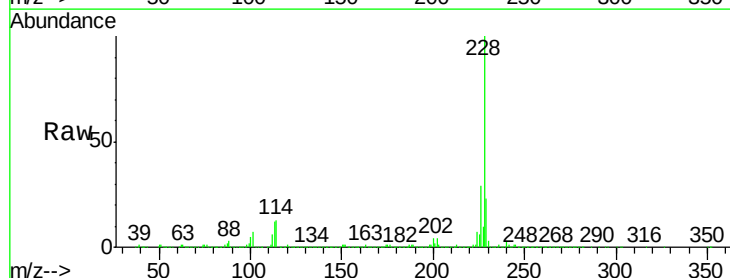
Tgt Ion:228 Resp: 3593338

Ion Ratio Lower Upper

228 100

226 29.2 22.4 33.6

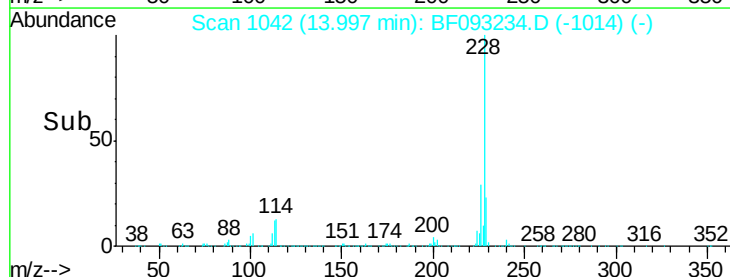
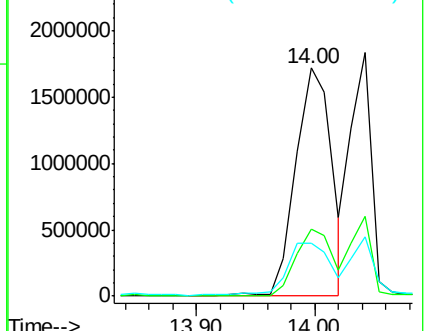
229 23.2 16.2 24.4

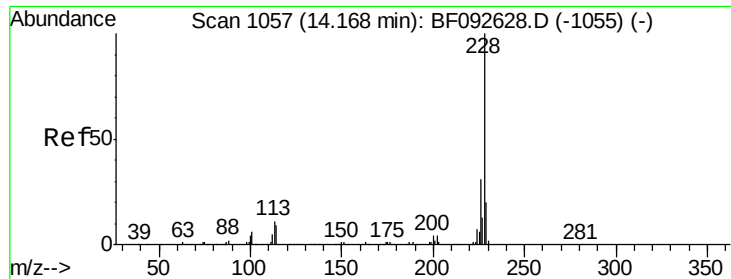


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 287.07 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

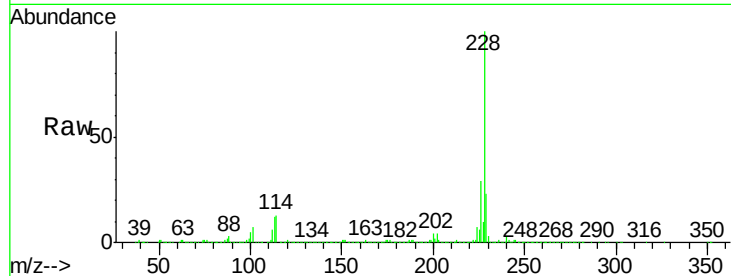
Tgt Ion:228 Resp: 3593338

Ion Ratio Lower Upper

228 100

226 29.2 25.4 38.0

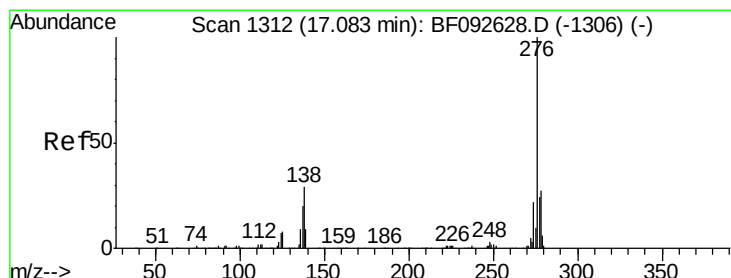
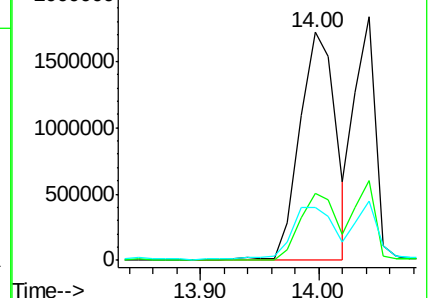
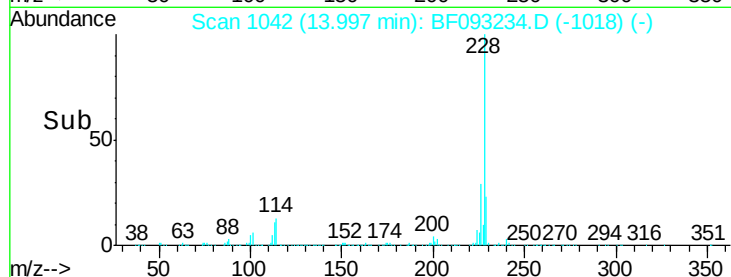
229 23.2 16.2 24.2



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: 133.55 ng

RT: 16.87 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

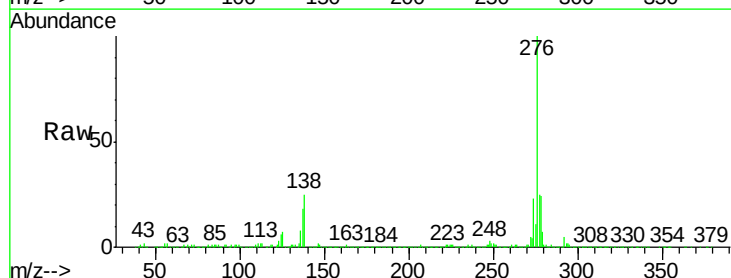
Tgt Ion:276 Resp: 1294868

Ion Ratio Lower Upper

276 100

138 30.5 21.8 32.6

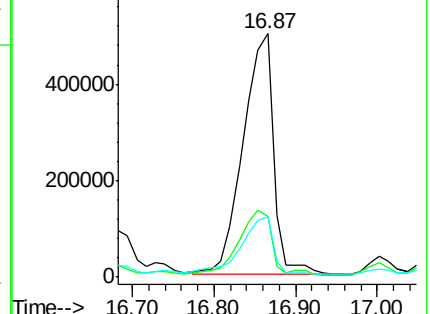
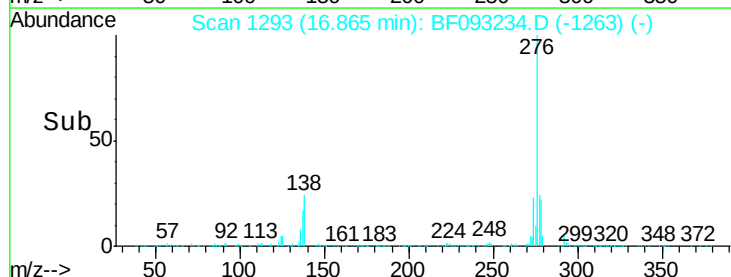
277 25.4 20.2 30.4

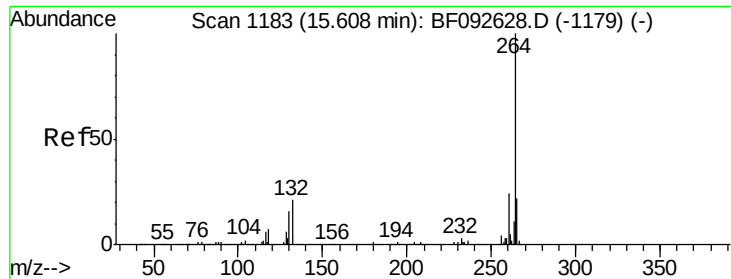


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

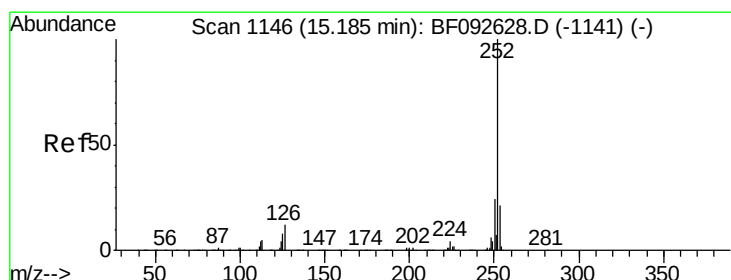
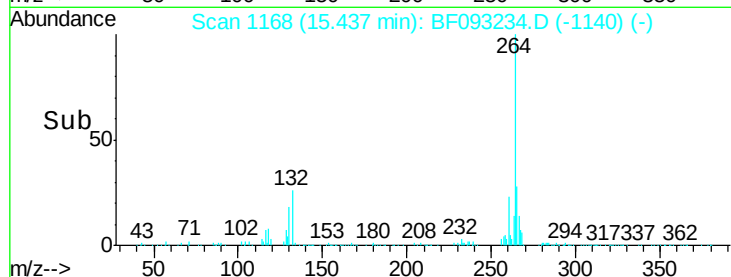
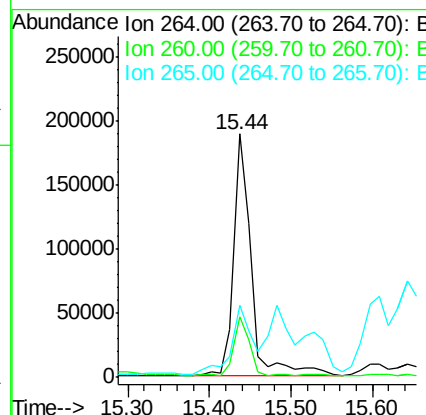
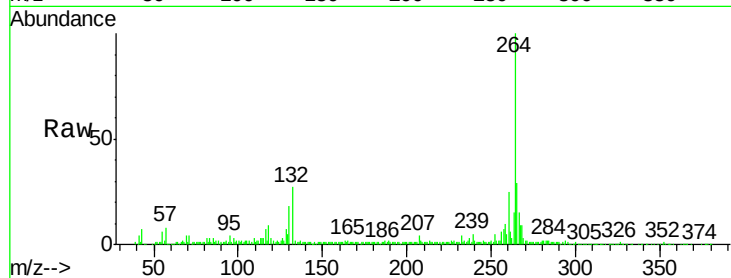




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.02 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

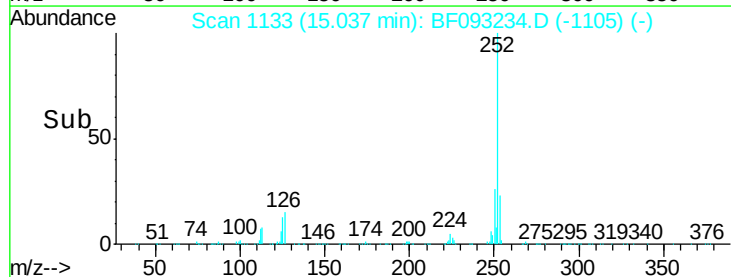
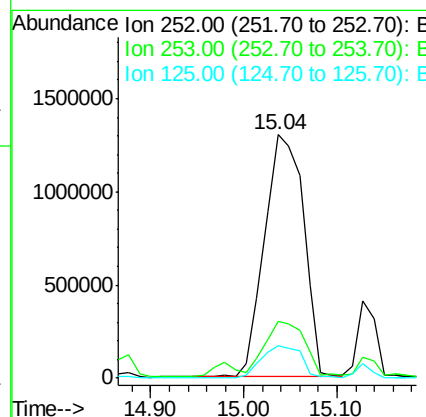
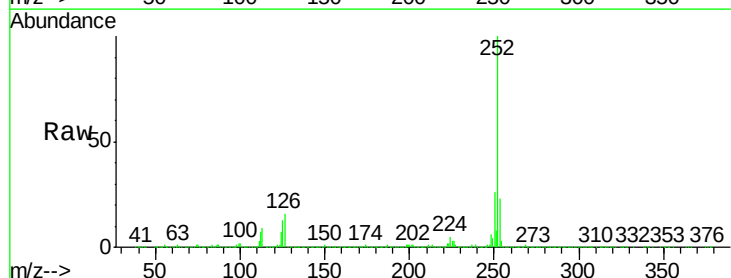
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

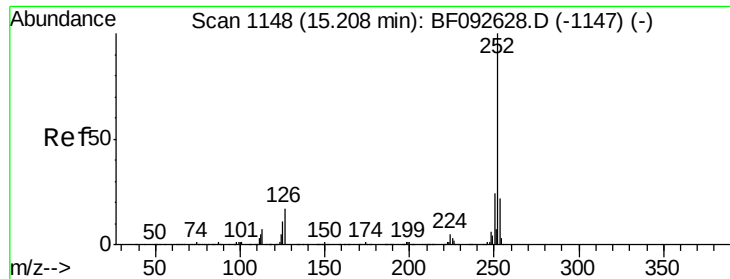
Tgt Ion:264 Resp: 286258
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 29.5 17.4 26.0#



#87
Benzo(b)fluoranthene
Concen: 202.41 ng
RT: 15.04 min Scan# 1133
Delta R.T. 0.02 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:252 Resp: 3813675
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 13.4 9.8 14.6

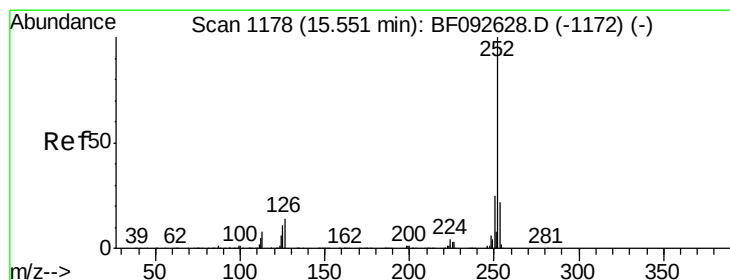
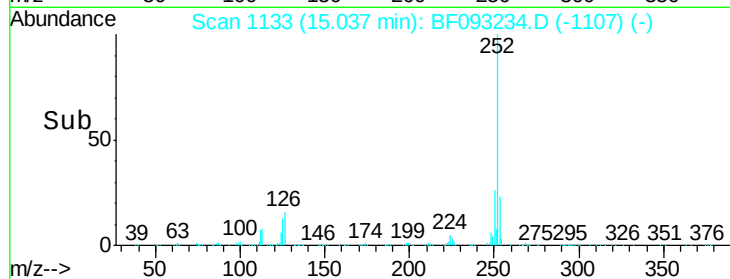
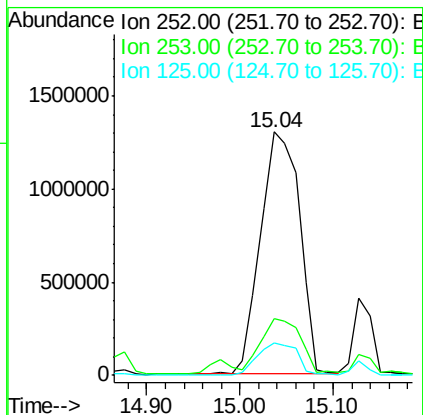
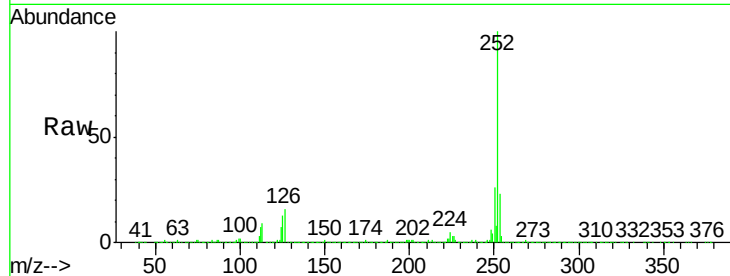




#88
Benzo(k)fluoranthene
Concen: 234.43 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

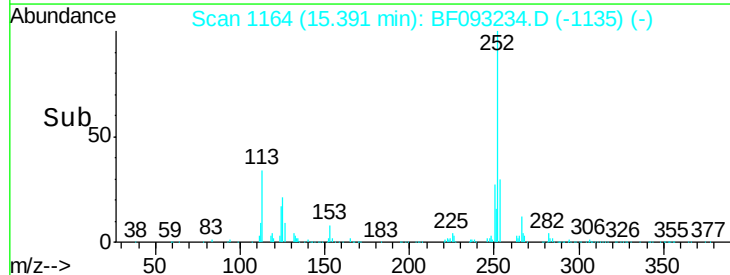
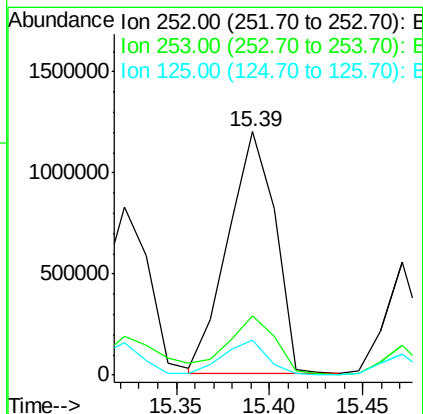
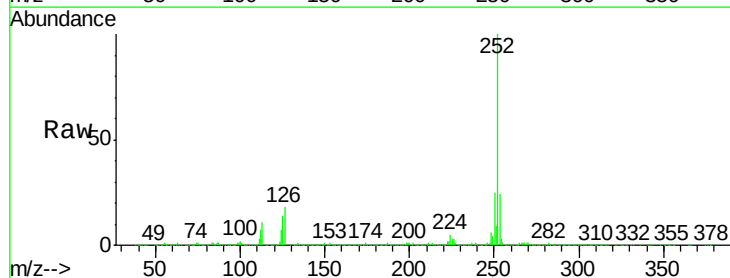
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-2

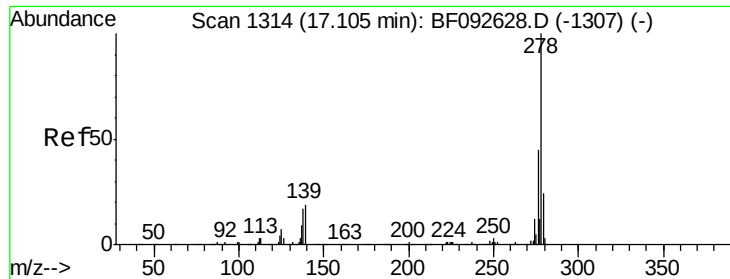
Tgt Ion:252 Resp: 3813675
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 13.4 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 129.43 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.03 min
Lab File: BF093234.D
Acq: 28 Feb 2017 4:54

Tgt Ion:252 Resp: 2109404
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 14.4 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 23.74 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.17 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-2

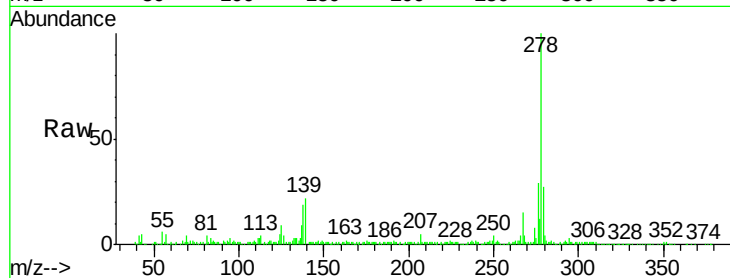
Tgt Ion:278 Resp: 312668

Ion Ratio Lower Upper

278 100

139 21.8 14.8 22.2

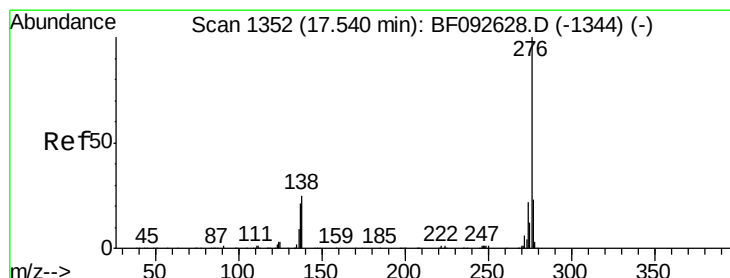
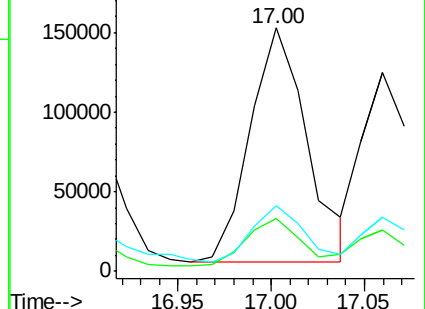
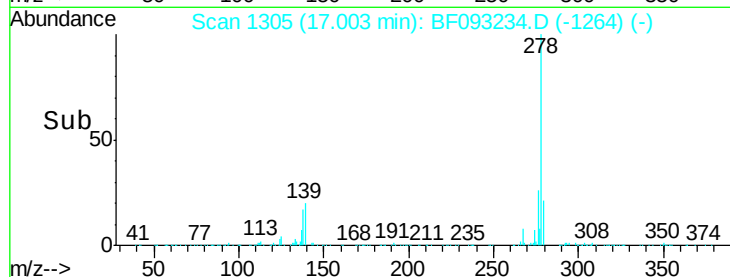
279 26.8 19.8 29.6



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: 85.12 ng

RT: 17.29 min Scan# 1330

Delta R.T. 0.05 min

Lab File: BF093234.D

Acq: 28 Feb 2017 4:54

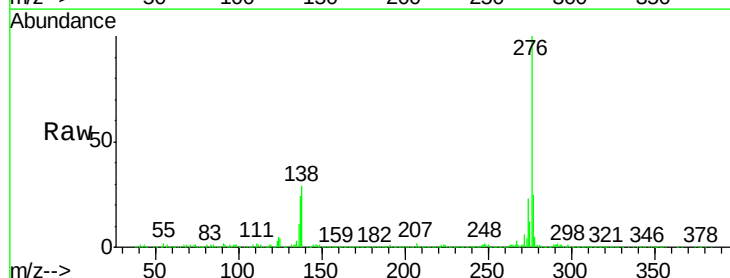
Tgt Ion:276 Resp: 1132666

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 28.7 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

