

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093204.D
 Acq On : 27 Feb 2017 13:04
 Operator : SJ/MA
 Sample : I1973-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-GG9-BASE

Quant Time: Feb 27 13:31:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	156461	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	607228	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	251375	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	403321	20.00	ng	0.00
75) Chrysene-d12	14.02	240	264326	20.00	ng	0.00
86) Perylene-d12	15.46	264	328304	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	896230	98.27	ng	-0.02
7) Phenol-d6	6.48	99	1129714	96.28	ng	-0.01
23) Nitrobenzene-d5	7.40	82	821742	75.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	199186	109.56	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1161644	83.72	ng	-0.01
78) Terphenyl-d14	12.96	244	640457	56.93	ng	-0.01

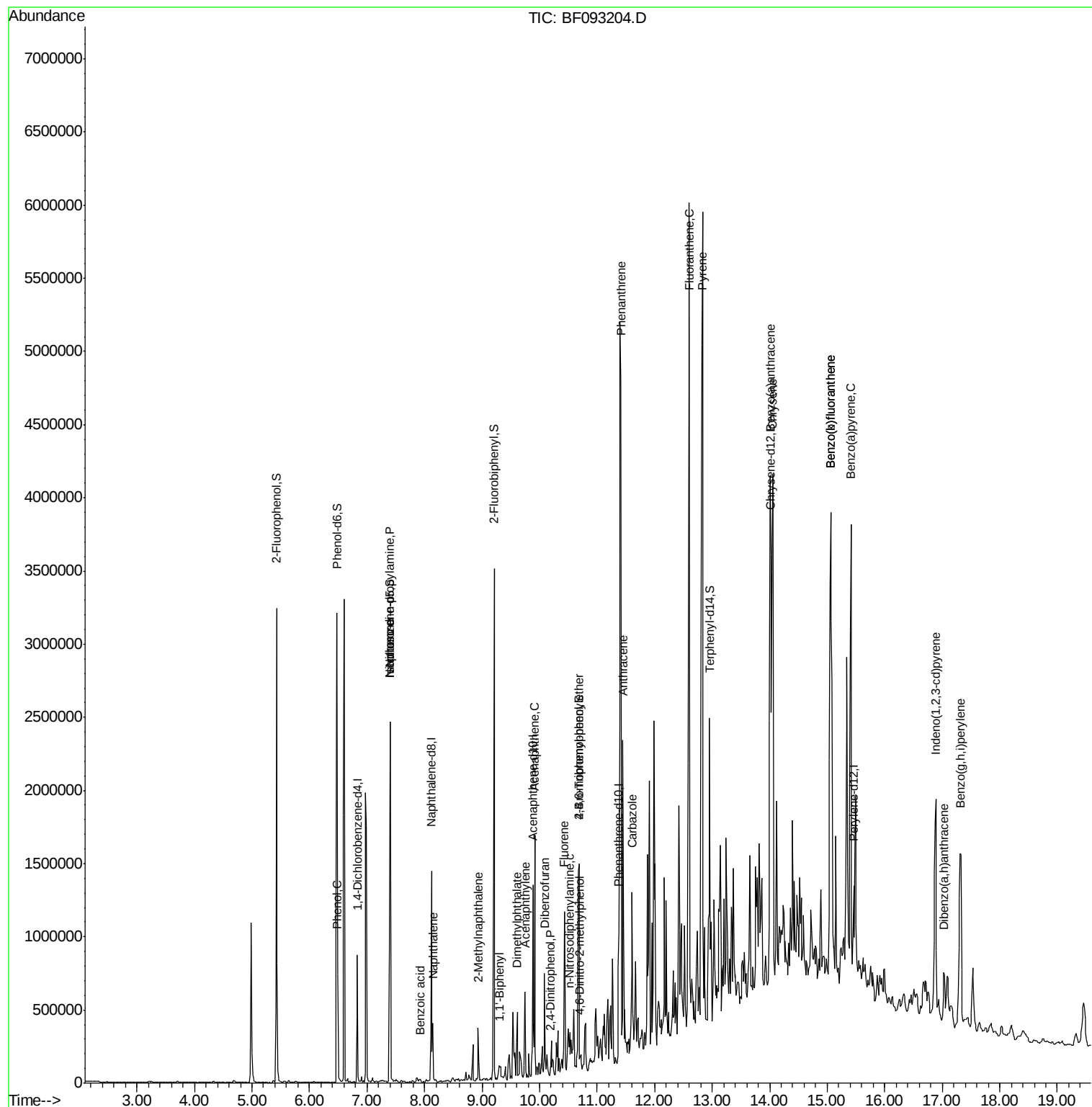
Target Compounds						Qvalue
10) Phenol	6.49	94	77860	5.67	ng	78
19) n-Nitroso-di-n-propylamine	7.40	70	111602	14.94	ng	# 79
25) Isophorone	7.40	82	607042	29.88	ng	# 65
31) Naphthalene	8.14	128	176983	5.75	ng	98
32) Benzoic acid	7.93	122	4634	7.91	ng	# 20
37) 2-Methylnaphthalene	8.93	142	102780	5.20	ng	97
45) 1,1'-Biphenyl	9.30	154	37373	2.05	ng	95
48) Acenaphthylene	9.74	152	190683	7.75	ng	98
49) Dimethylphthalate	9.61	163	186914	11.04	ng	99
51) Acenaphthene	9.92	154	323631	22.01	ng	96
53) 2,4-Dinitrophenol	10.18	184	464	4.97	ng	# 1
54) Dibenzofuran	10.09	168	195192	9.92	ng	# 95
57) Fluorene	10.43	166	289884	19.16	ng	98
64) 4,6-Dinitro-2-methylphenol	10.69	198	1648	3.30	ng	# 1
65) n-Nitrosodiphenylamine	10.52	169	34026	2.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	15107	3.59	ng	# 1
70) Phenanthrene	11.41	178	3544778	153.41	ng	100
71) Anthracene	11.45	178	984366	42.42	ng	99
72) Carbazole	11.61	167	384822	17.35	ng	98
74) Fluoranthene	12.60	202	3591442	150.68	ng	97
77) Pyrene	12.83	202	3374113	170.57	ng	98
80) Benzo(a)anthracene	14.01	228	2274198	140.67	ng	96
82) Chrysene	14.05	228	1668455	110.23	ng	96
85) Indeno(1,2,3-cd)pyrene	16.89	276	1200574	102.40	ng	98
87) Benzo(b)fluoranthene	15.06	252	3330753	154.14	ng	98
88) Benzo(k)fluoranthene	15.06	252	3330753	178.52	ng	98
89) Benzo(a)pyrene	15.41	252	1910917	102.23	ng	98
90) Dibenzo(a,h)anthracene	17.04	278	235481	15.59	ng	97
91) Benzo(g,h,i)perylene	17.31	276	1123264	73.60	ng	# 88

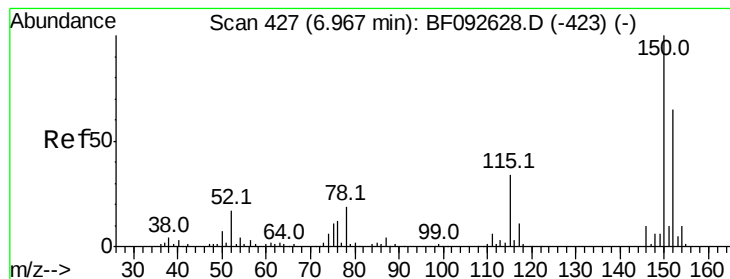
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

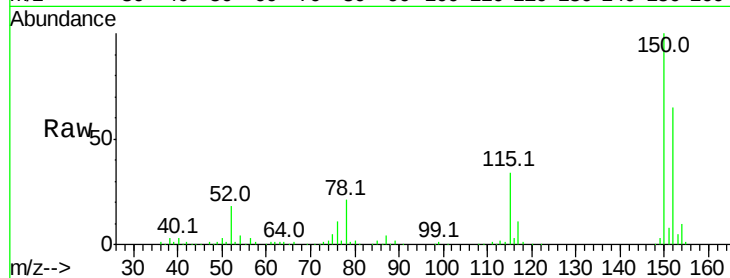
Tot Ion:152 Resp: 156461

Ion Ratio Lower Upper

152 100

150 153.1 124.9 187.3

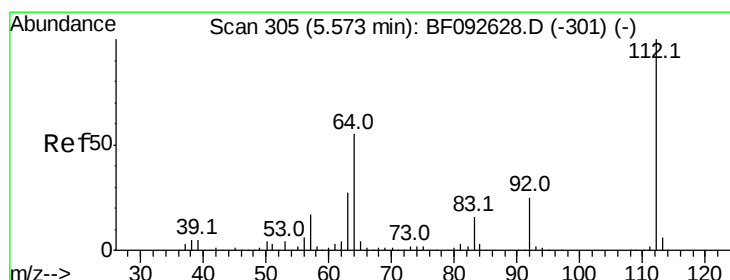
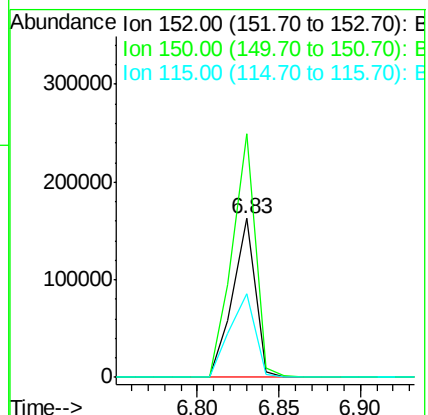
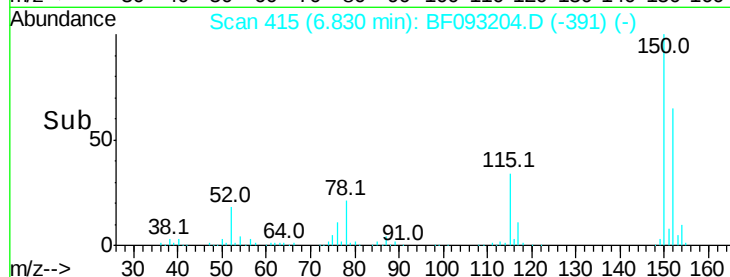
115 52.5 46.0 69.0



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: 98.27 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

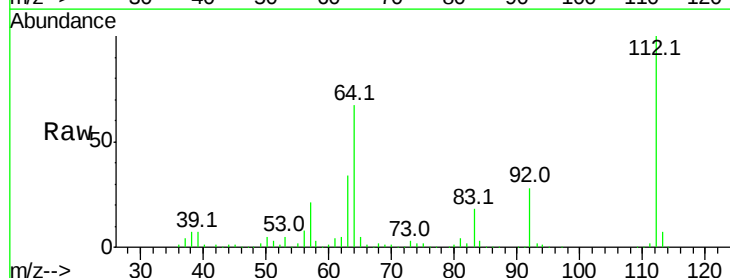
Tgt Ion:112 Resp: 896230

Ion Ratio Lower Upper

112 100

64 67.4 46.1 69.1

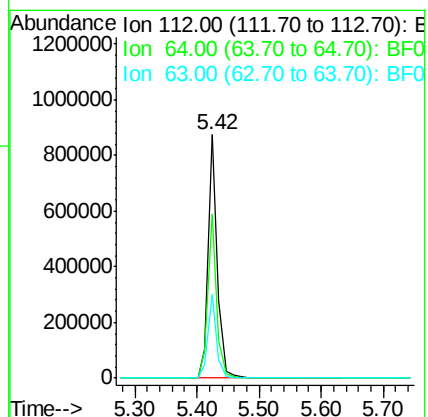
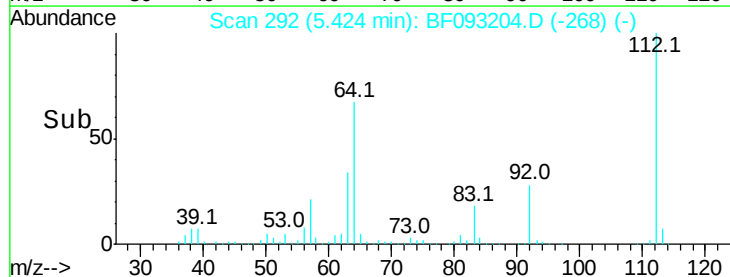
63 34.3 23.8 35.6

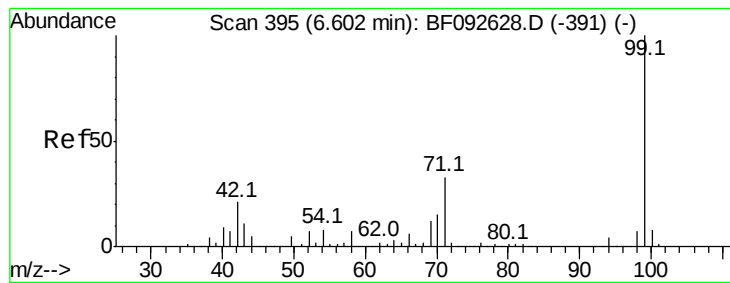


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.28 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

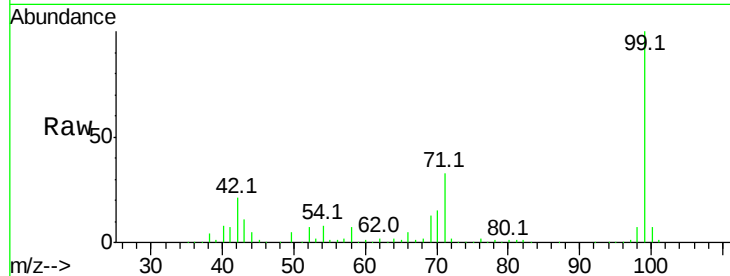
Tot Ion: 99 Resp: 1129714

Ion Ratio Lower Upper

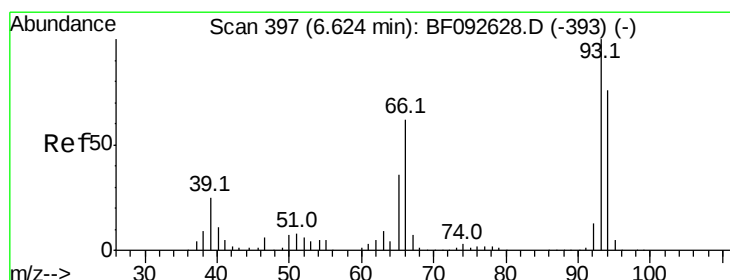
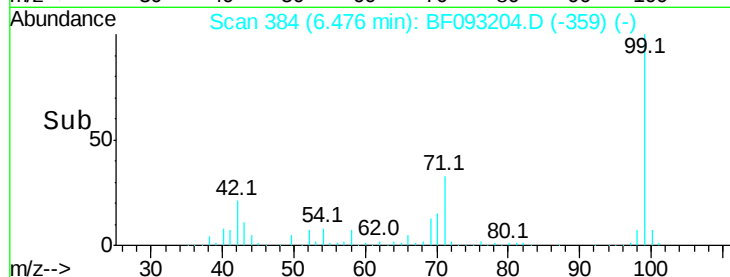
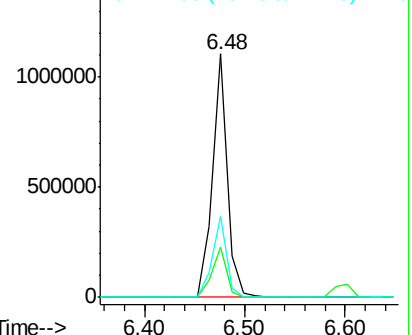
99 100

42 20.9 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



#10

Phenol

Concen: 5.67 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

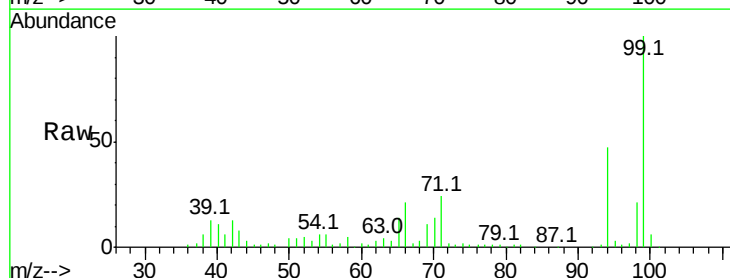
Tgt Ion: 94 Resp: 77860

Ion Ratio Lower Upper

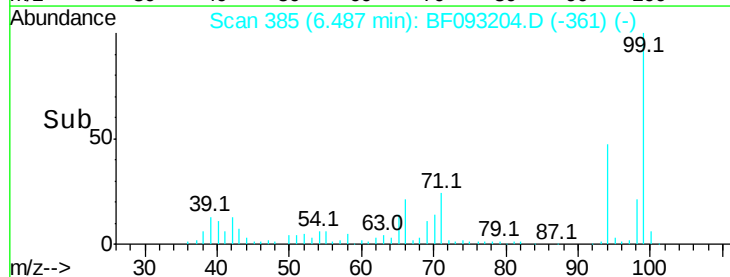
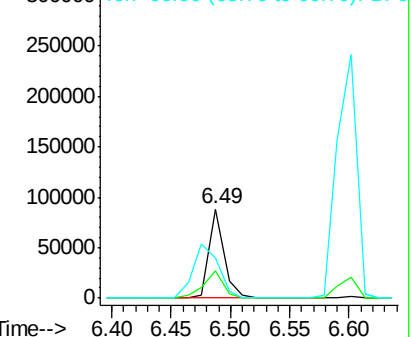
94 100

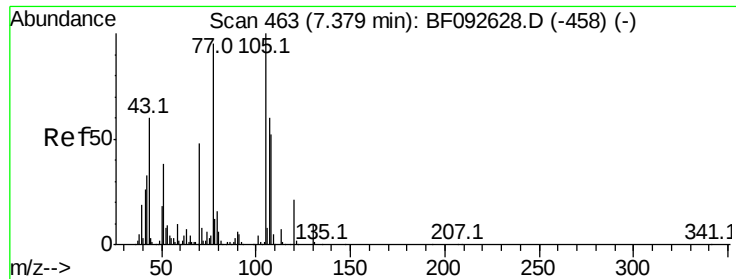
65 30.3 21.4 61.4

66 44.5 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.94 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

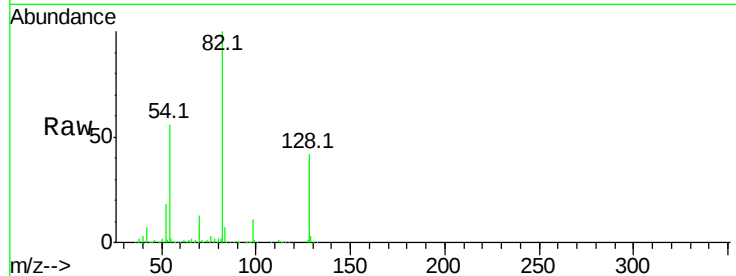
ClientSampleId :

E2-GG9-BASE

Tot Ion: 70 Resp: 111602

Ion Ratio Lower Upper

70	100		
42	49.7	49.4	74.0
101	0.0	7.4	11.2#
130	1.8	14.2	21.4#

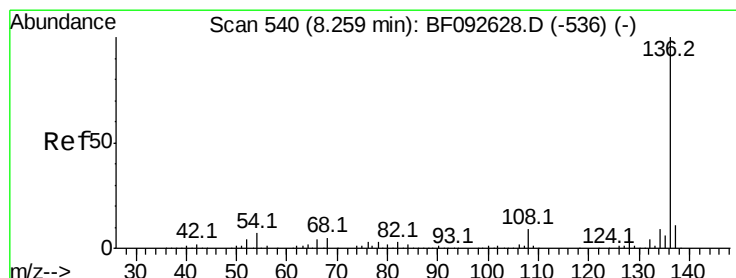
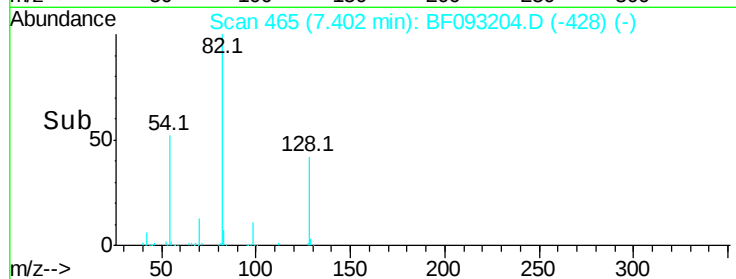
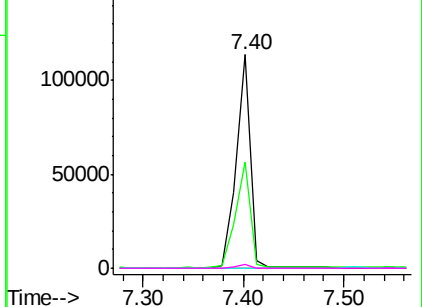


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

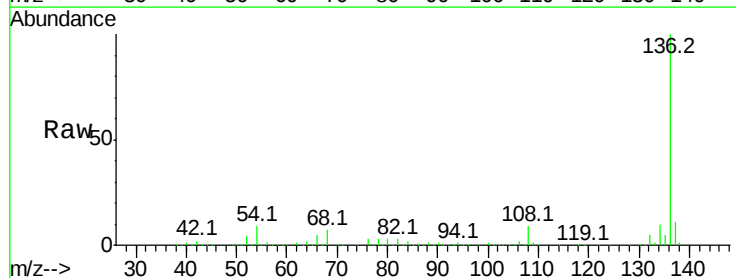
Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Tgt Ion: 136 Resp: 607228

Ion Ratio Lower Upper

136	100		
137	10.9	8.4	12.6
54	9.2	4.5	6.7#
68	6.5	3.6	5.4#

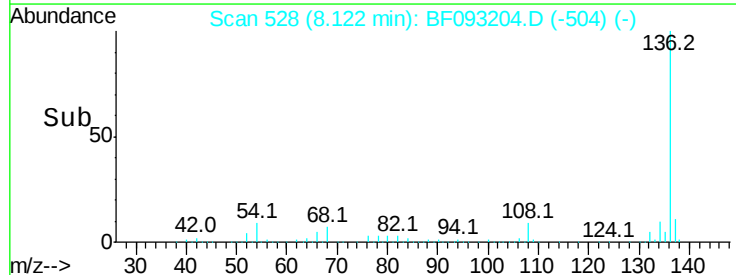
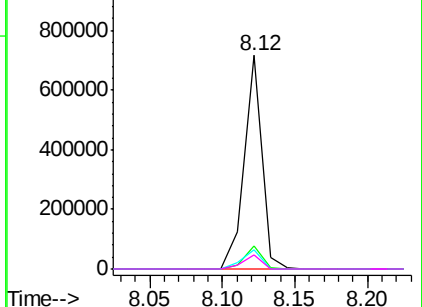


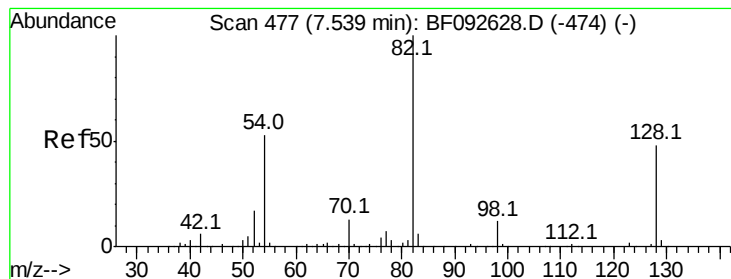
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.36 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

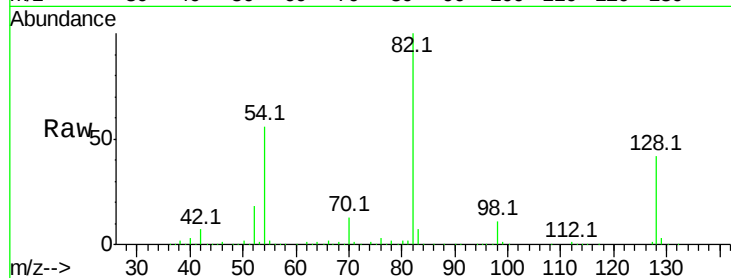
Tot Ion: 82 Resp: 821742

Ion Ratio Lower Upper

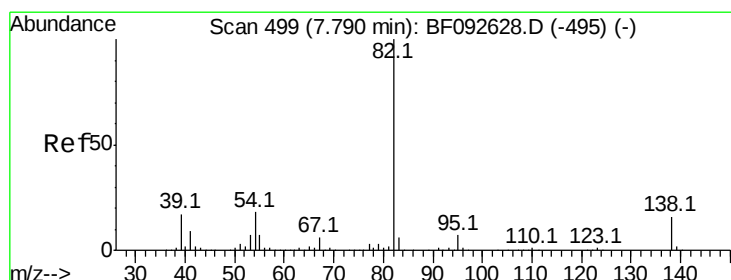
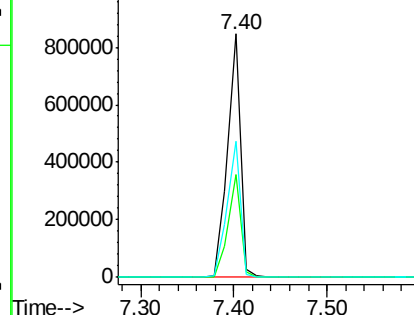
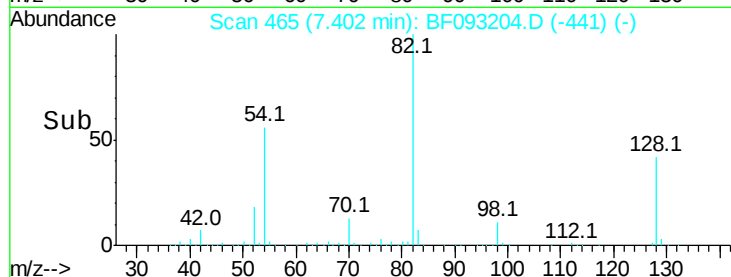
82 100

128 42.3 34.6 52.0

54 55.8 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 29.88 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

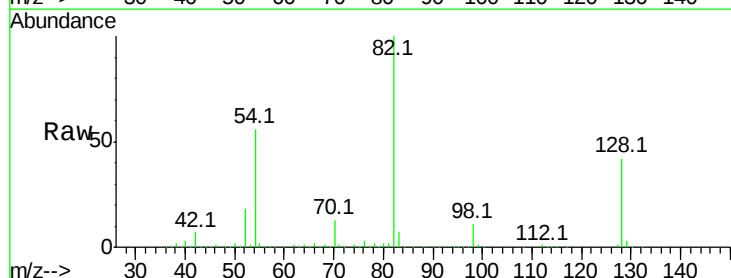
Tgt Ion: 82 Resp: 607042

Ion Ratio Lower Upper

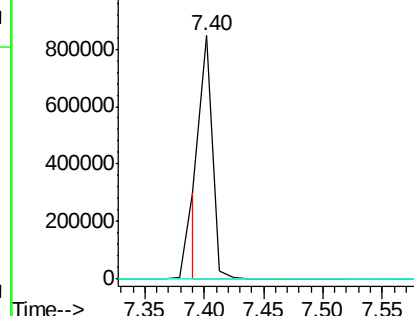
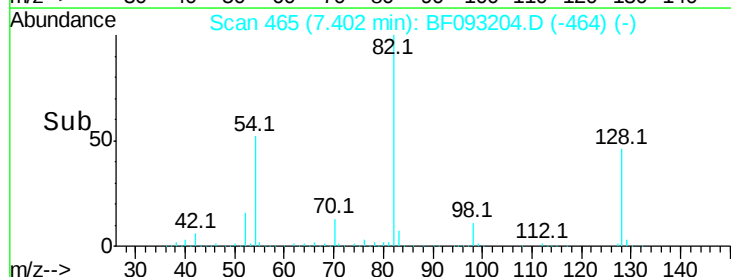
82 100

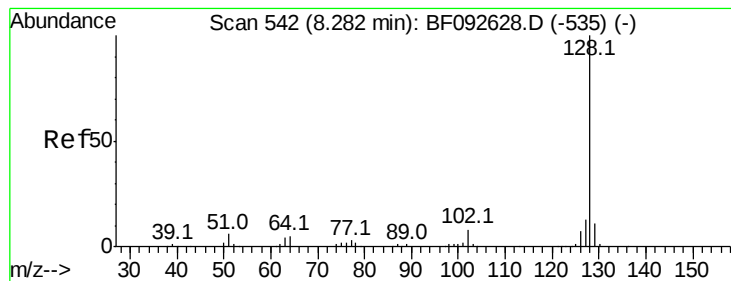
95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 5.75 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

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BNA_F

ClientSampleId :

E2-GG9-BASE

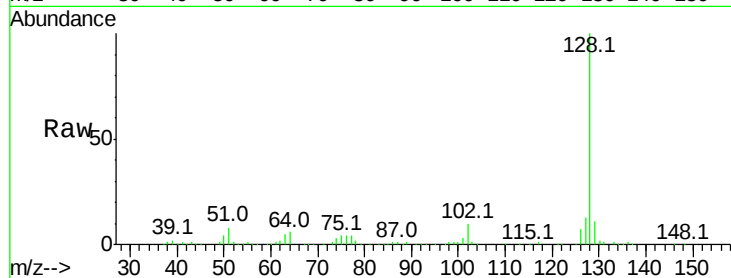
Tot Ion:128 Resp: 176983

Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

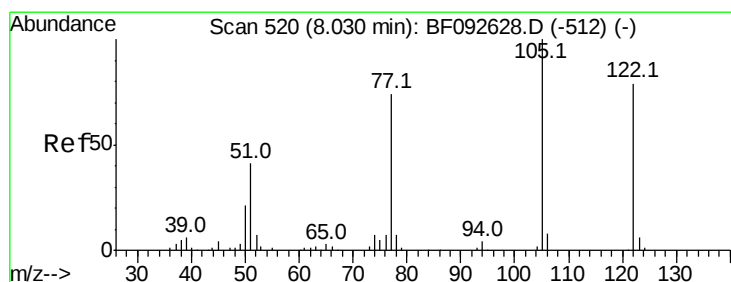
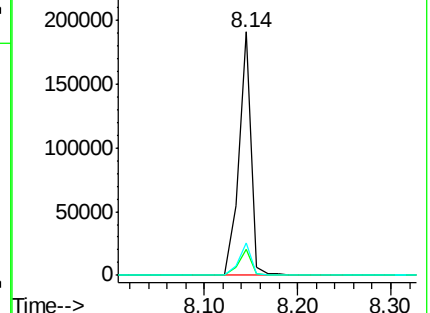
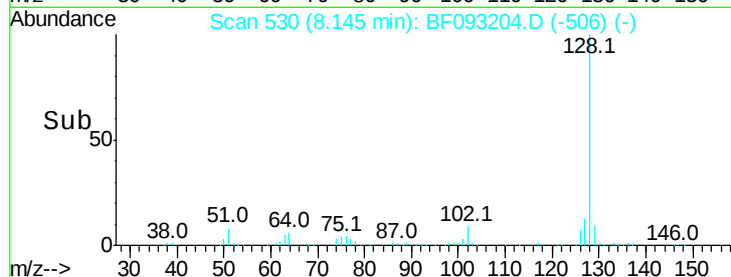
127 13.2 10.8 16.2



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: 7.91 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

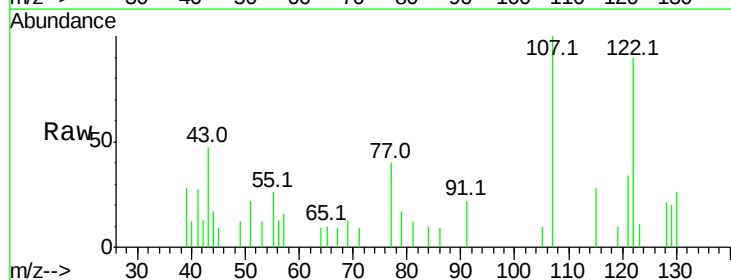
Tgt Ion:122 Resp: 4634

Ion Ratio Lower Upper

122 100

105 11.1 107.2 147.2#

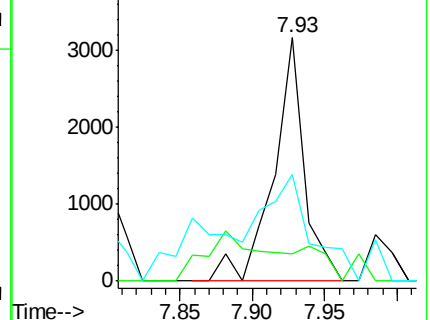
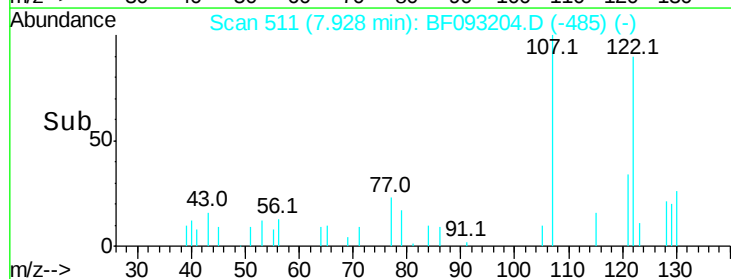
77 44.0 74.5 114.5#

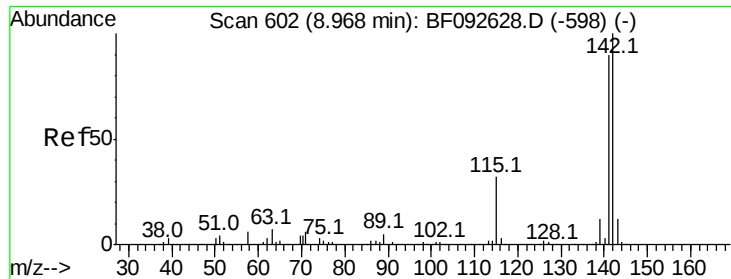


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

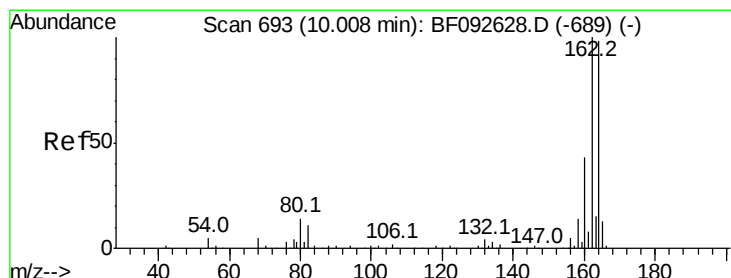
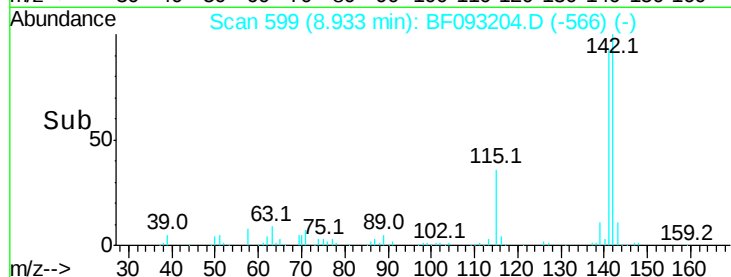
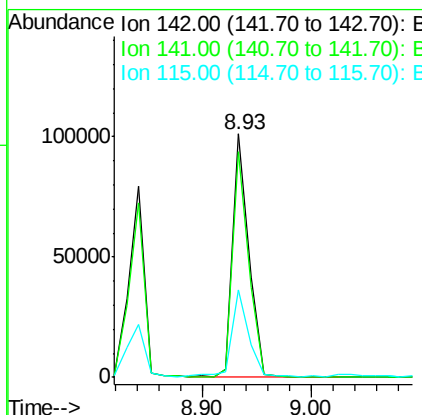
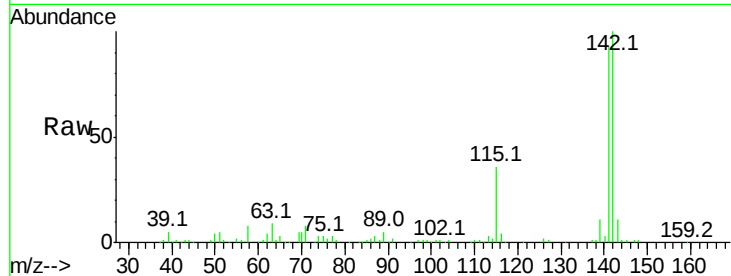




#37
2-Methylnaphthalene
Concen: 5.20 ng
RT: 8.93 min Scan# 599
Delta R.T. 0.08 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

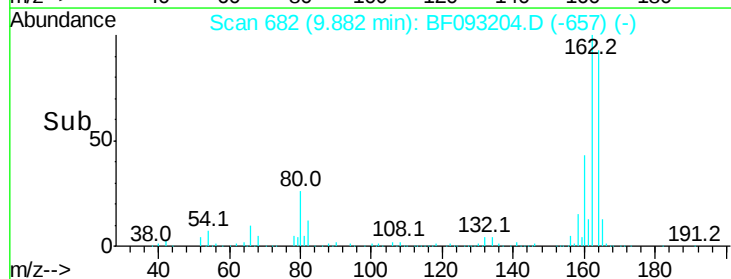
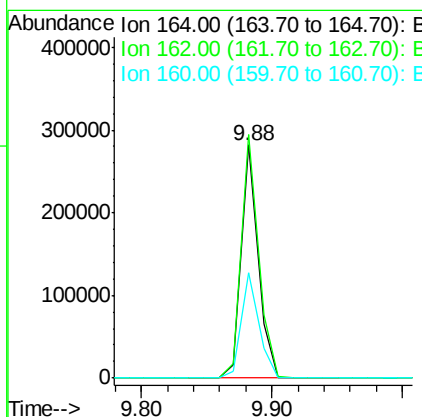
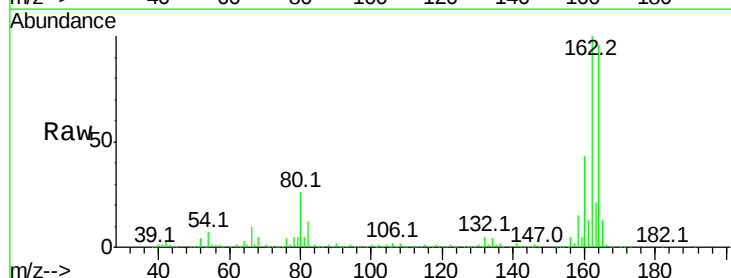
Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

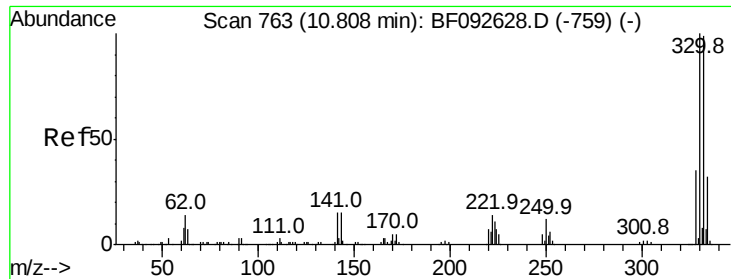
Tot Ion:142 Resp: 102780
Ion Ratio Lower Upper
142 100
141 92.7 71.0 106.6
115 36.1 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:164 Resp: 251375
Ion Ratio Lower Upper
164 100
162 104.6 80.2 120.2
160 45.0 36.9 55.3

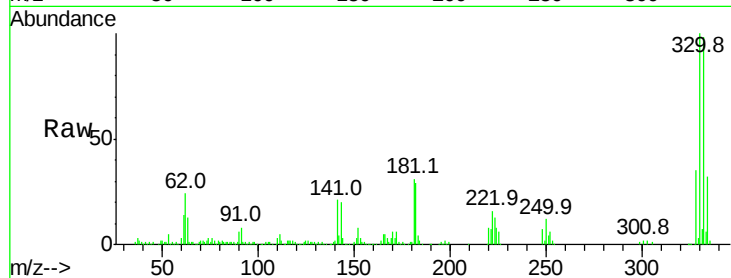




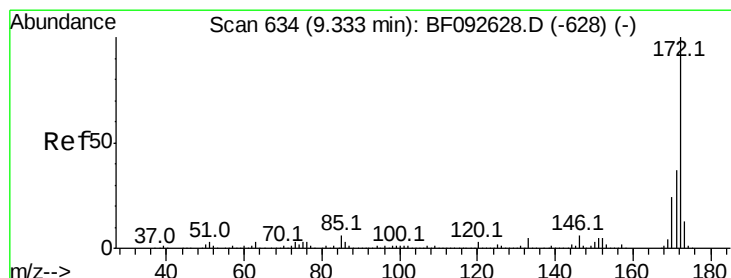
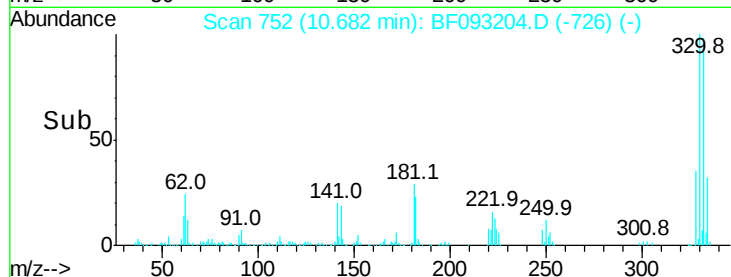
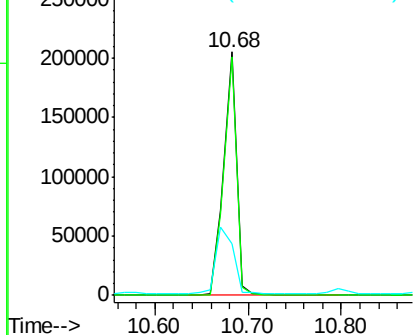
#41
 2,4,6-Tribromophenol
 Concen: 109.56 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093204.D
 Acq: 27 Feb 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-GG9-BASE

Tot Ion:330 Resp: 199186
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 37.5 34.1 51.1

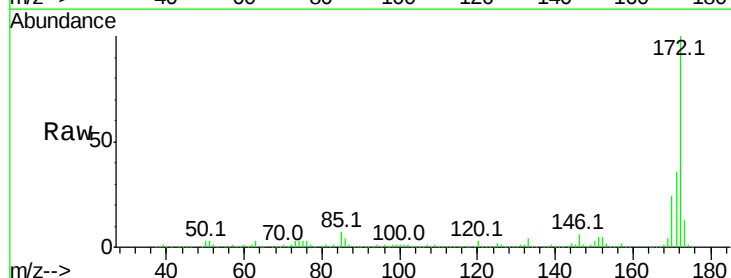


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

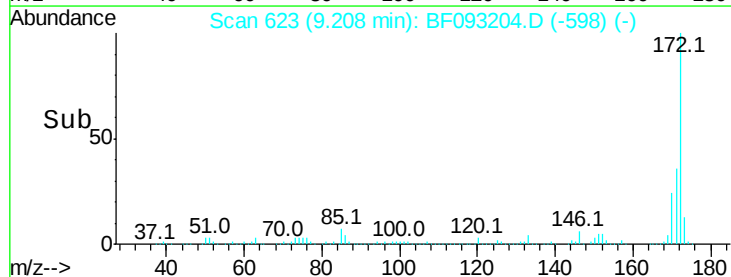
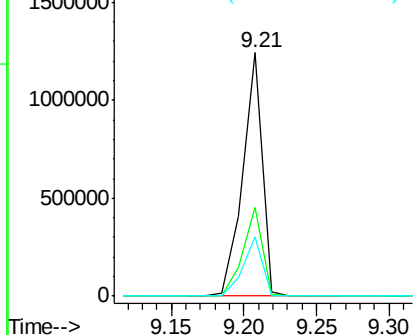


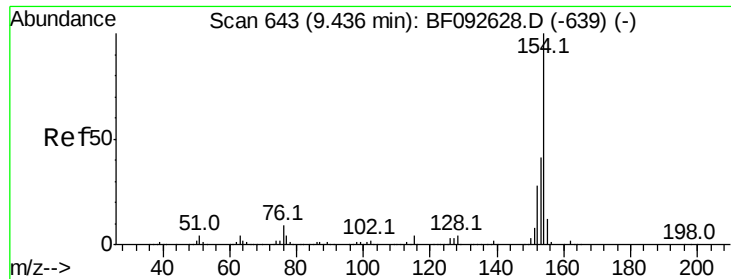
#44
 2-Fluorobiphenyl
 Concen: 83.72 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093204.D
 Acq: 27 Feb 2017 13:04

Tgt Ion:172 Resp: 1161644
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.2 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

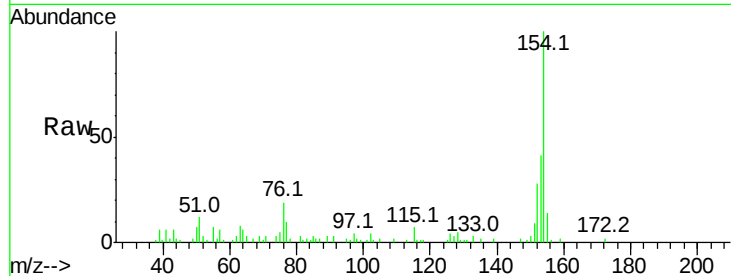




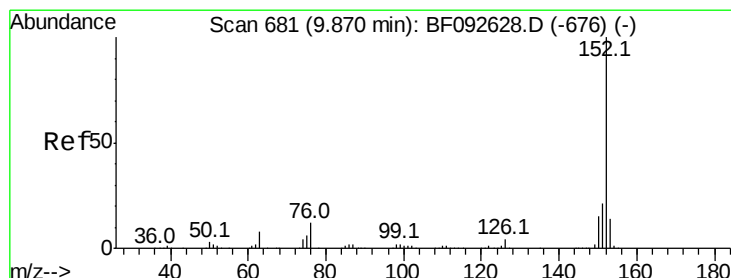
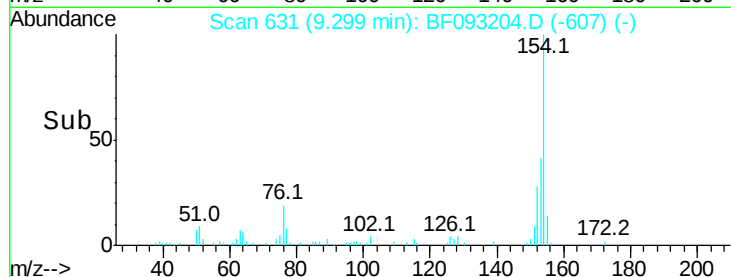
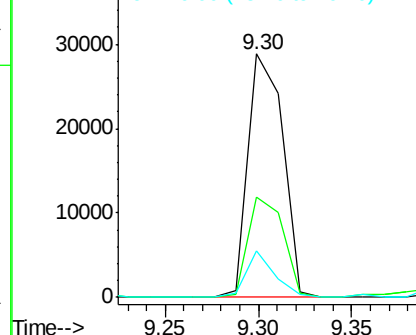
#45
1,1'-Biphenyl
Concen: 2.05 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tot Ion:154 Resp: 37373
Ion Ratio Lower Upper
154 100
153 40.9 20.9 60.9
76 18.9 0.0 30.5

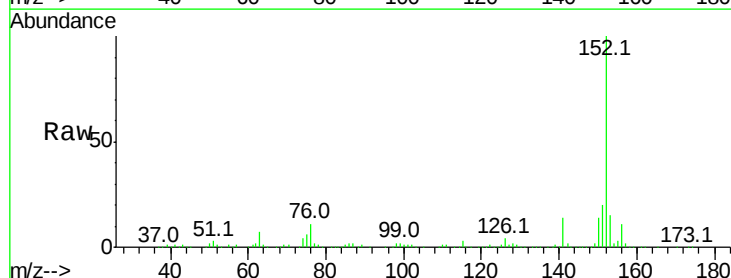


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

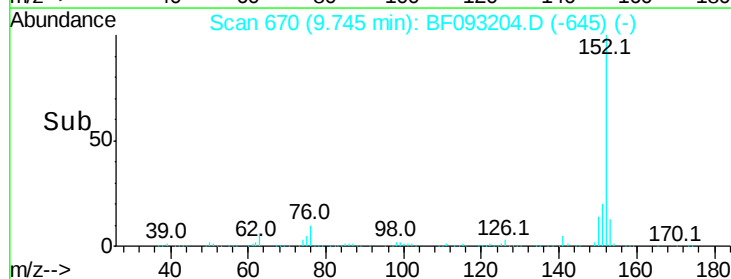
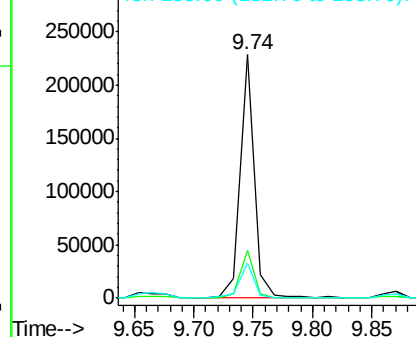


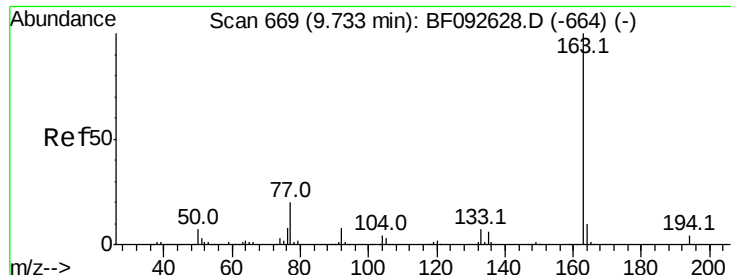
#48
Acenaphthylene
Concen: 7.75 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:152 Resp: 190683
Ion Ratio Lower Upper
152 100
151 19.8 16.9 25.3
153 14.6 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: 11.04 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

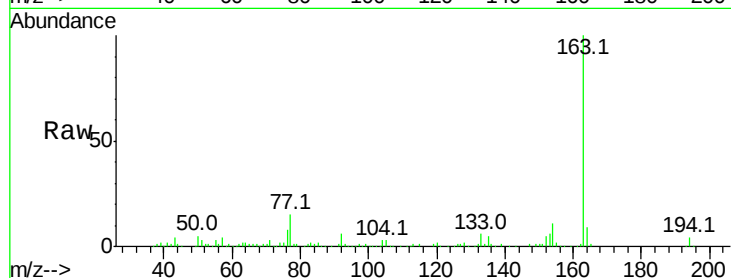
Tot Ion:163 Resp: 186914

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

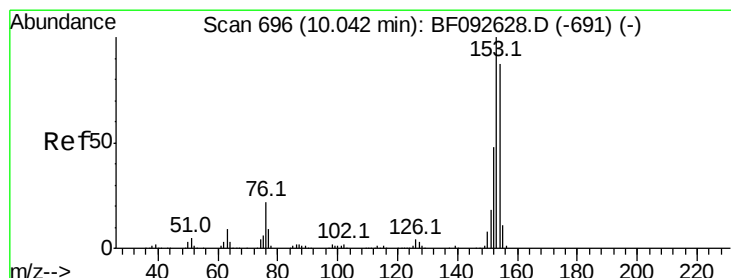
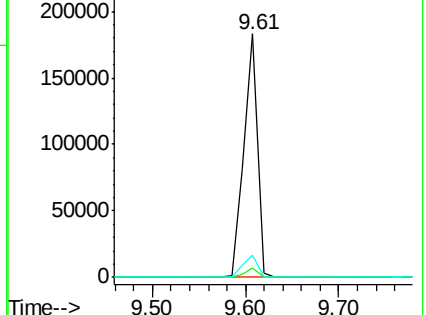
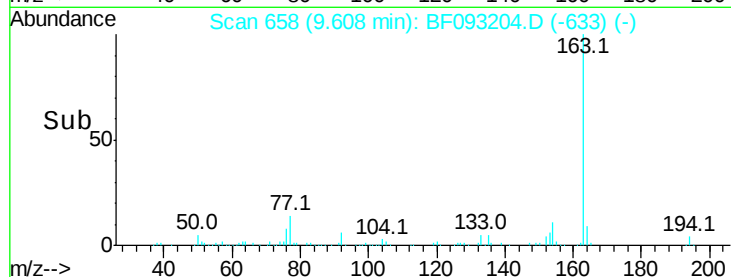
164 9.4 8.0 12.0



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: 22.01 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

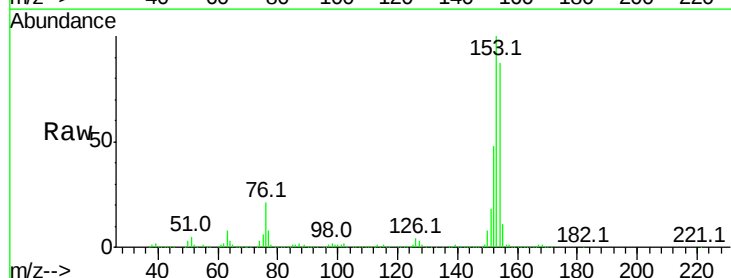
Tgt Ion:154 Resp: 323631

Ion Ratio Lower Upper

154 100

153 114.3 88.6 133.0

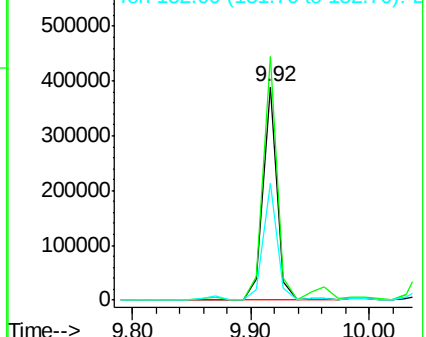
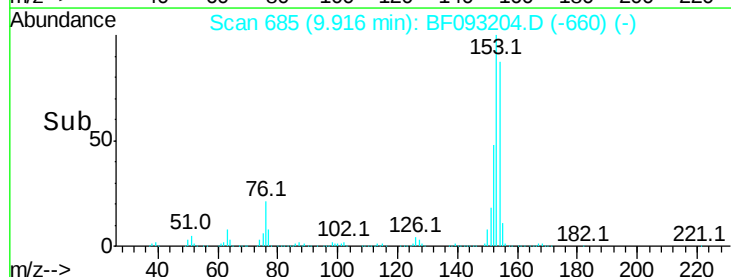
152 55.0 41.6 62.4

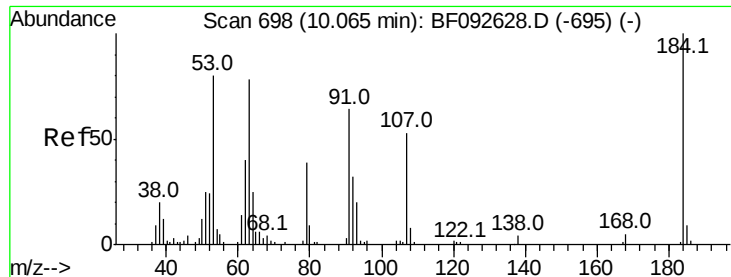


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

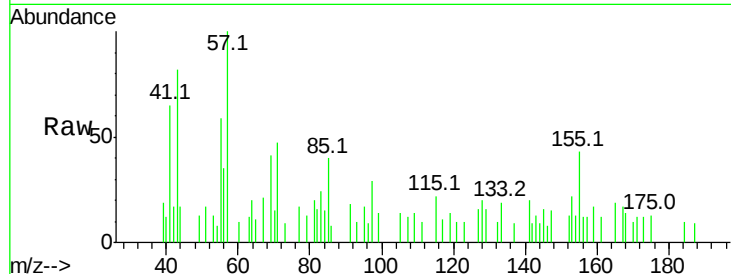




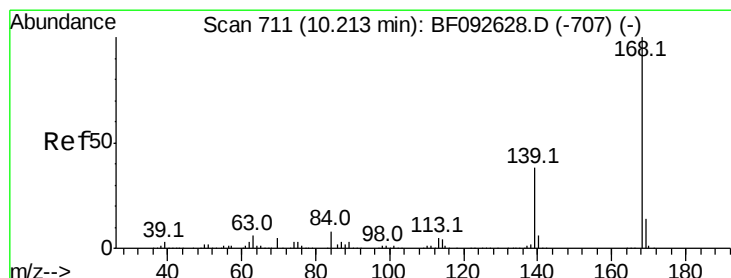
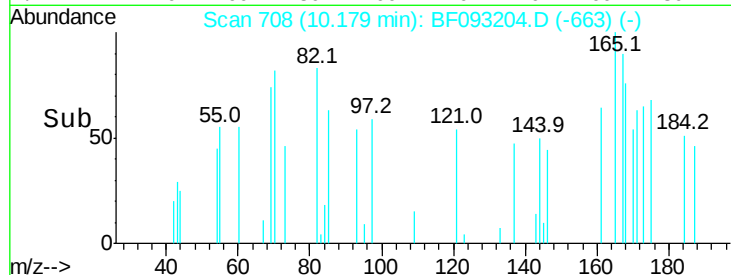
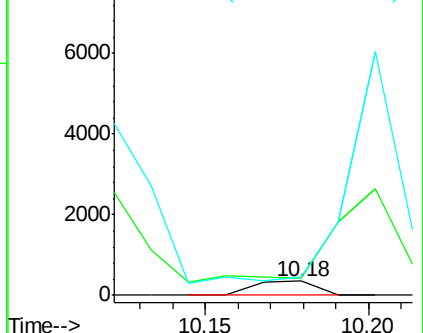
#53
2,4-Dinitrophenol
Concen: 4.97 ng
RT: 10.18 min Scan# 708
Delta R.T. 0.22 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tot Ion:184 Resp: 464
Ion Ratio Lower Upper
184 100
63 119.4 28.4 42.6#
154 130.1 44.3 66.5#

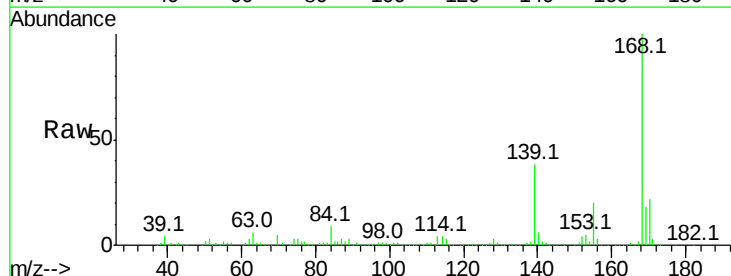


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

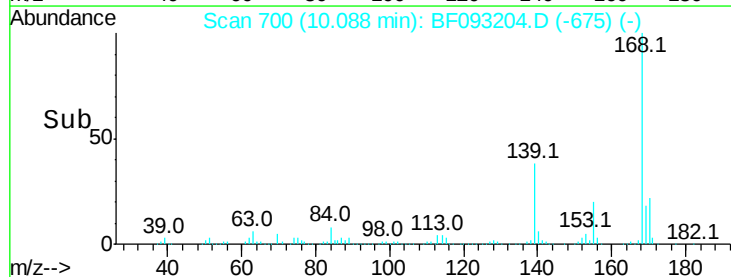
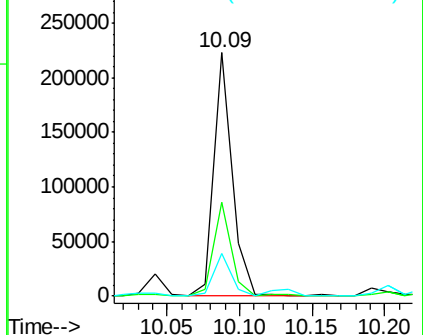


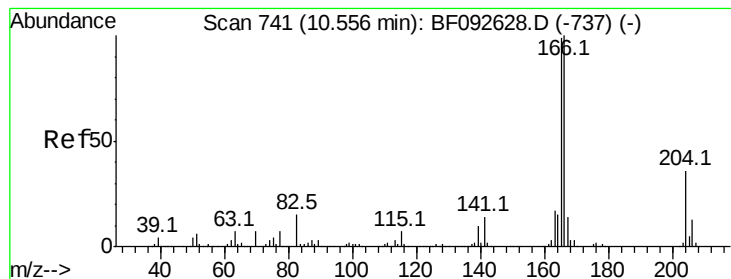
#54
Dibenzofuran
Concen: 9.92 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:168 Resp: 195192
Ion Ratio Lower Upper
168 100
139 38.5 32.6 49.0
169 17.6 11.3 16.9#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 19.16 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

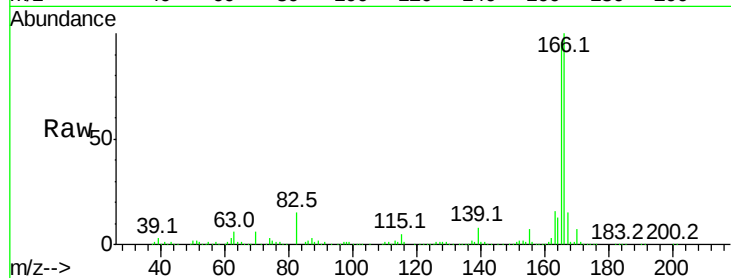
Tot Ion:166 Resp: 289884

Ion Ratio Lower Upper

166 100

165 95.6 77.8 116.8

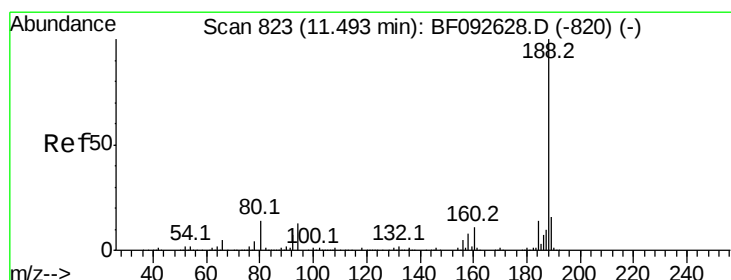
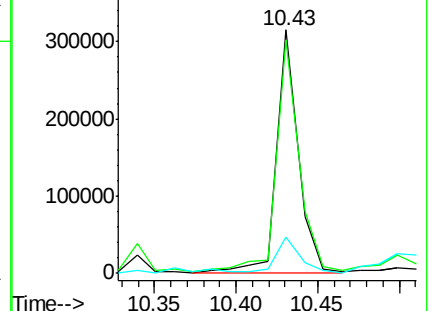
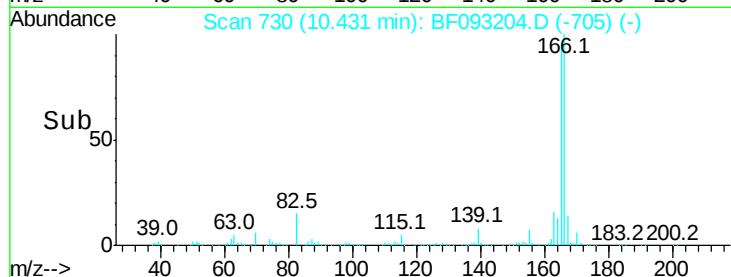
167 15.1 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

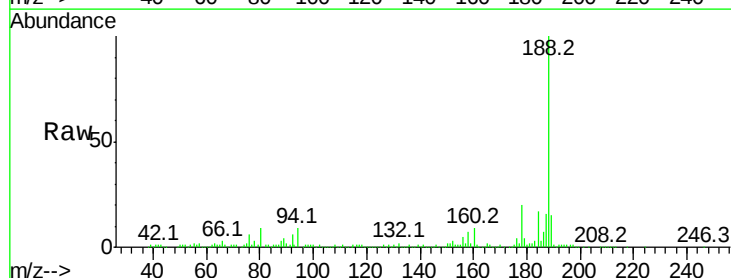
Tgt Ion:188 Resp: 403321

Ion Ratio Lower Upper

188 100

94 9.1 10.0 15.0#

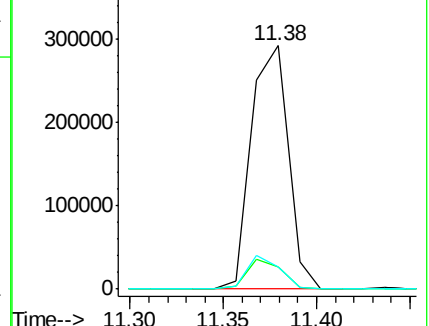
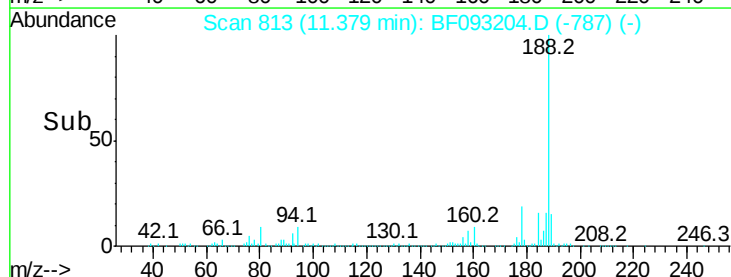
80 9.0 11.2 16.8#

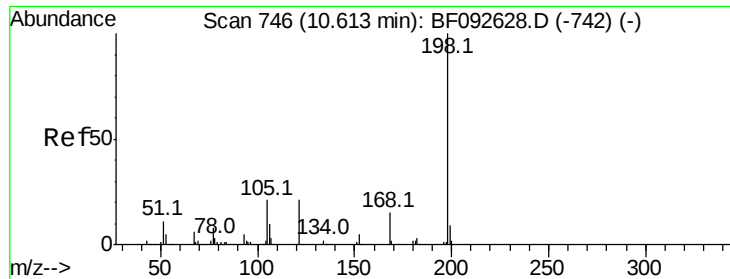


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.30 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.19 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

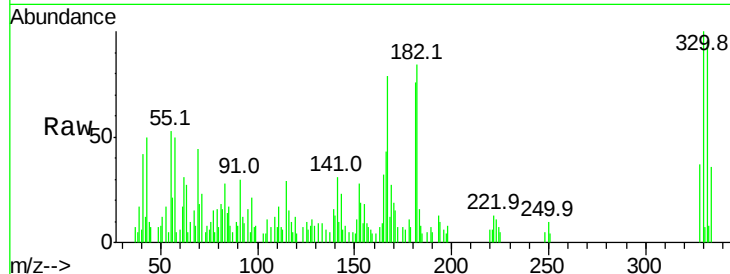
Tot Ion:198 Resp: 1648

Ion Ratio Lower Upper

198 100

51 153.3 6.7 46.7#

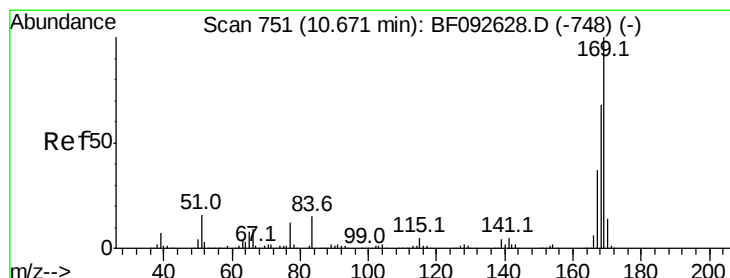
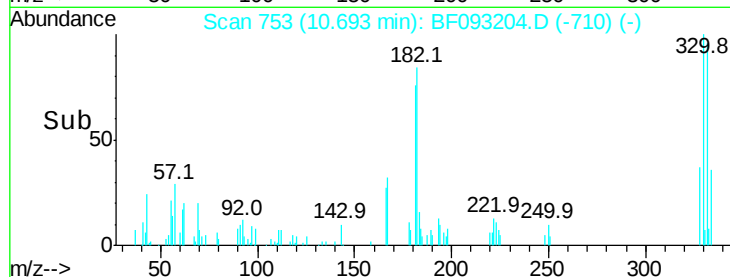
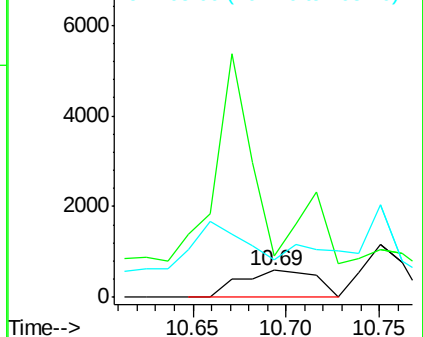
105 141.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 2.64 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

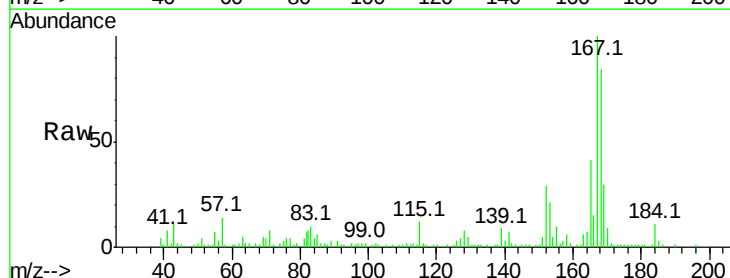
Tgt Ion:169 Resp: 34026

Ion Ratio Lower Upper

169 100

168 280.1 54.2 81.2#

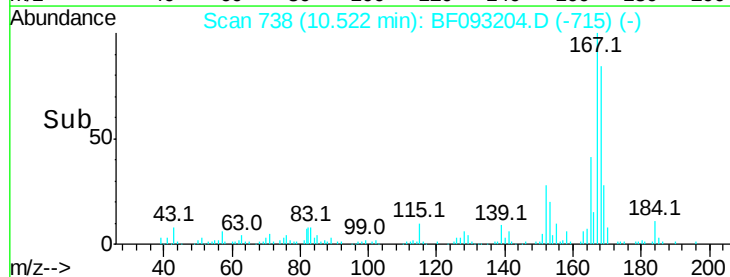
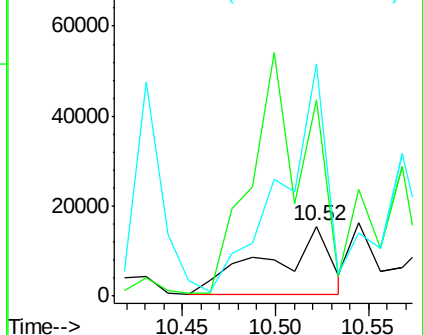
167 331.8 30.2 45.4#

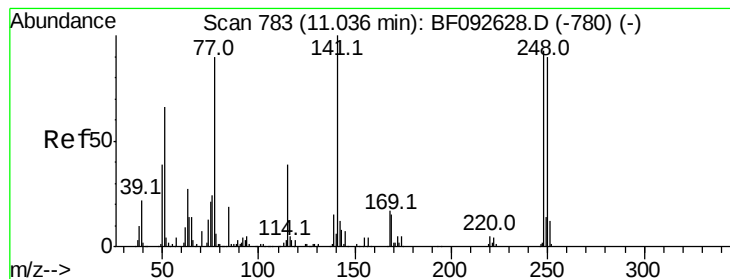


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.59 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

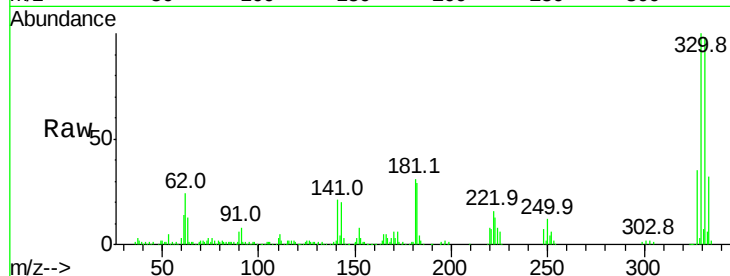
Tot Ion:248 Resp: 15107

Ion Ratio Lower Upper

248 100

250 187.1 76.9 115.3#

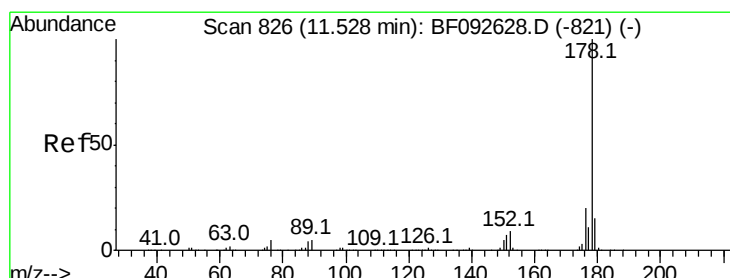
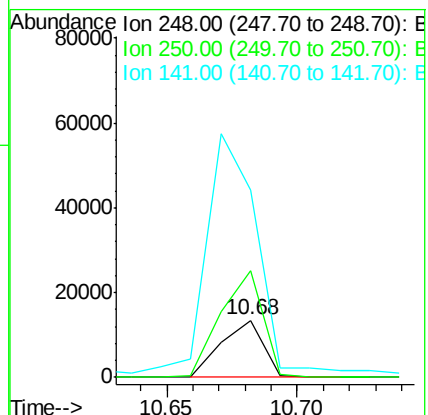
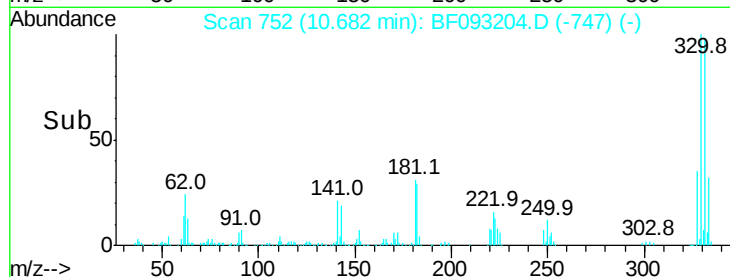
141 327.7 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 153.41 ng

RT: 11.41 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

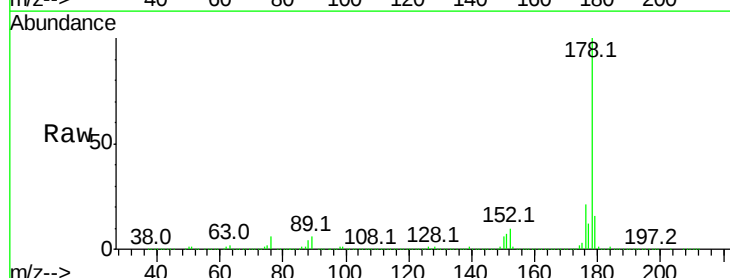
Tgt Ion:178 Resp: 3544778

Ion Ratio Lower Upper

178 100

176 20.6 16.6 25.0

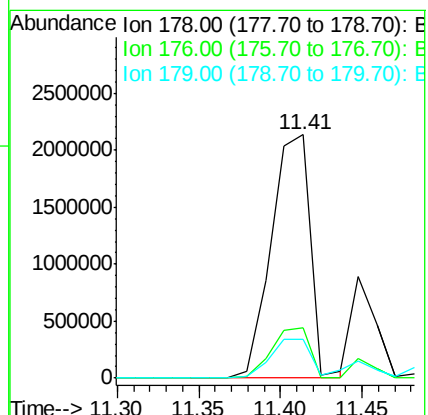
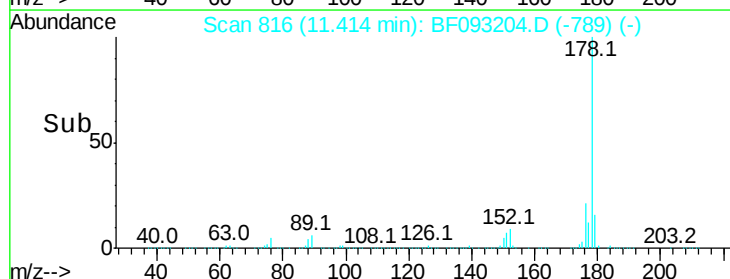
179 15.9 12.8 19.2

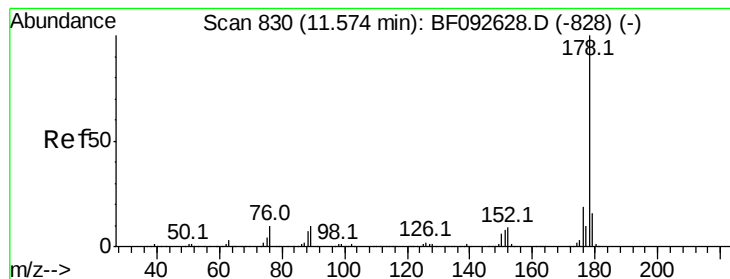


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 42.42 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

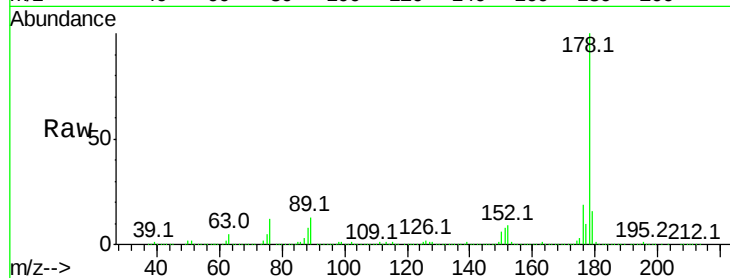
Tot Ion:178 Resp: 984366

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

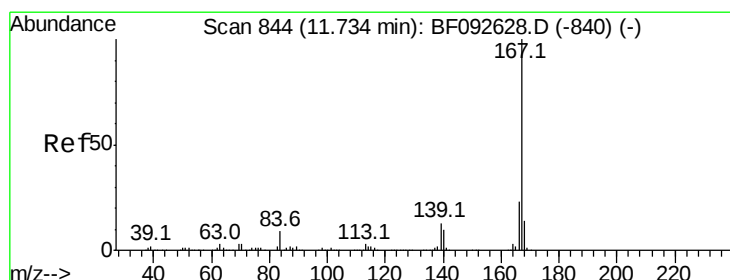
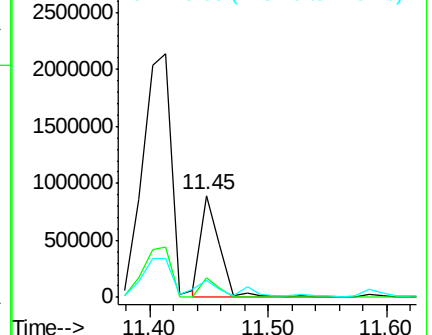
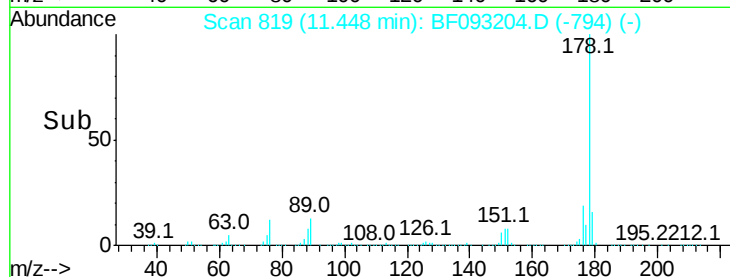
179 16.4 13.2 19.8



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: 17.35 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

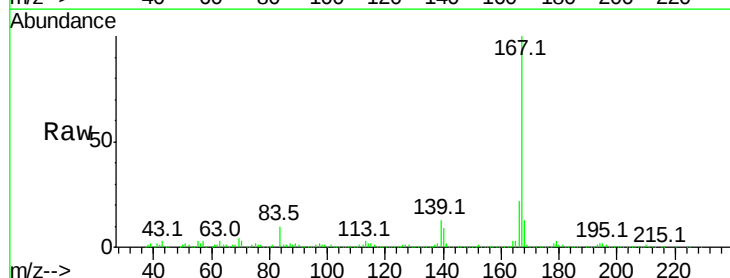
Tgt Ion:167 Resp: 384822

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

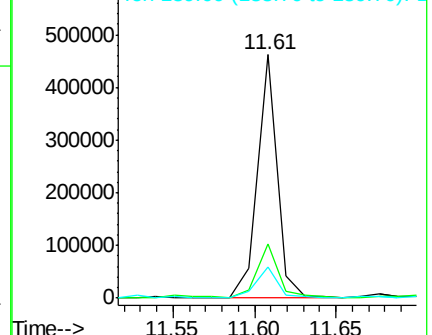
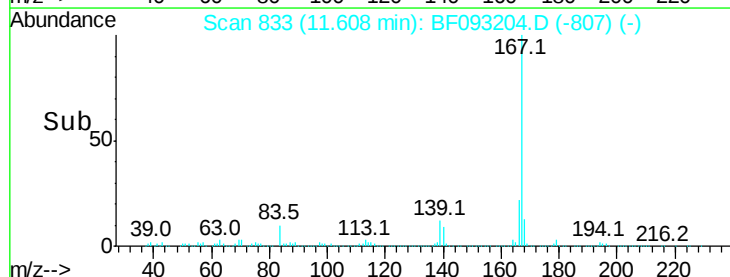
139 12.6 11.4 17.2

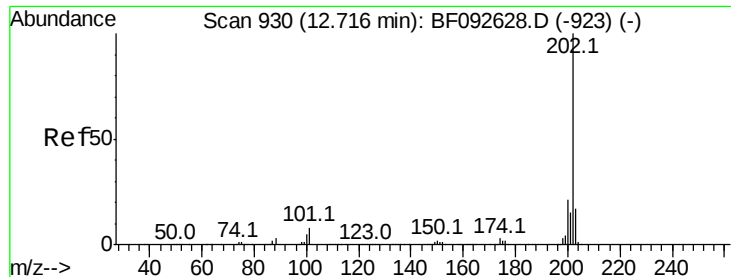


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 150.68 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

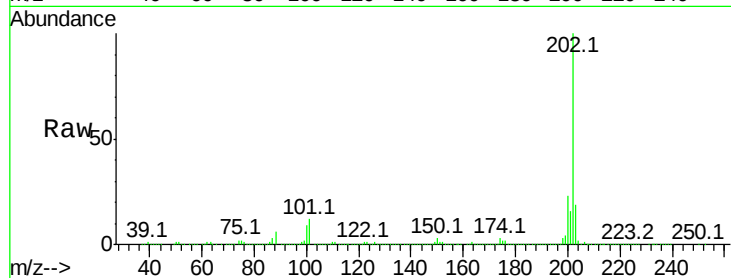
Tot Ion:202 Resp: 3591442

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.6

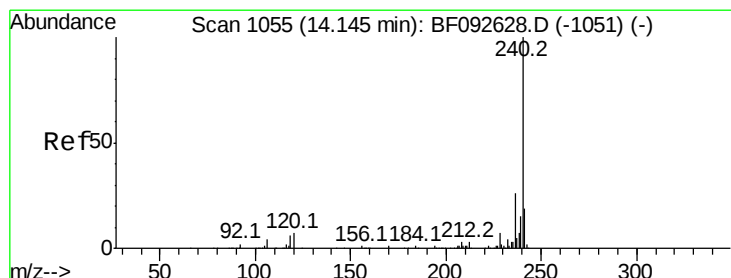
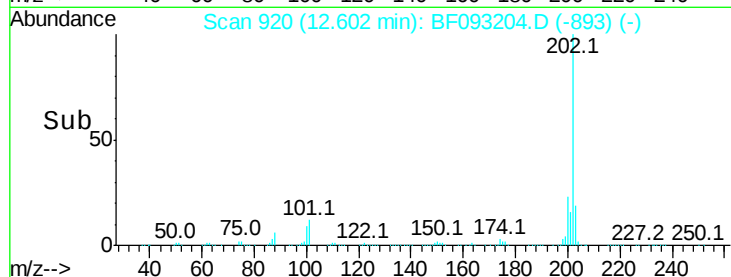
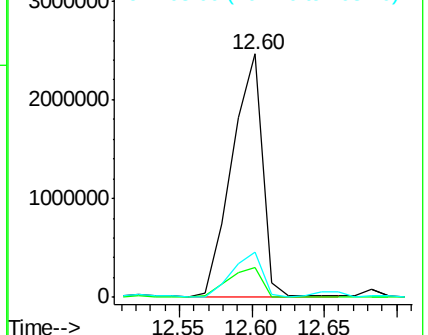
203 18.6 0.0 38.7



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: BF093204.D

Acq: 27 Feb 2017 13:04

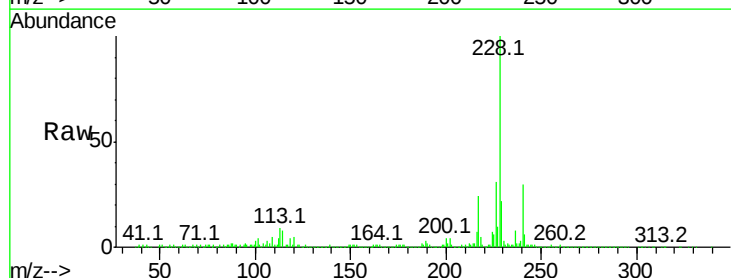
Tgt Ion:240 Resp: 264326

Ion Ratio Lower Upper

240 100

120 15.8 12.9 19.3

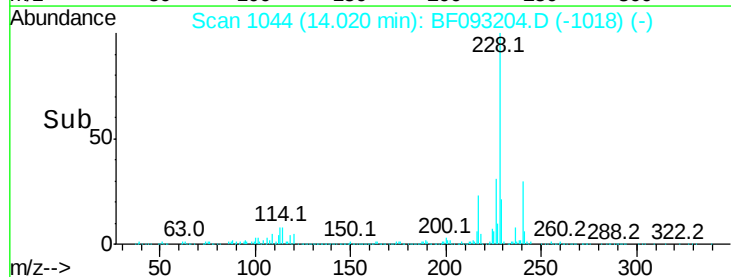
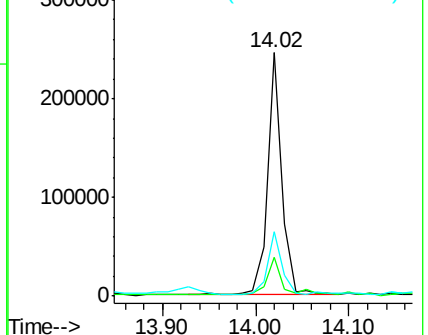
236 26.7 20.9 31.3

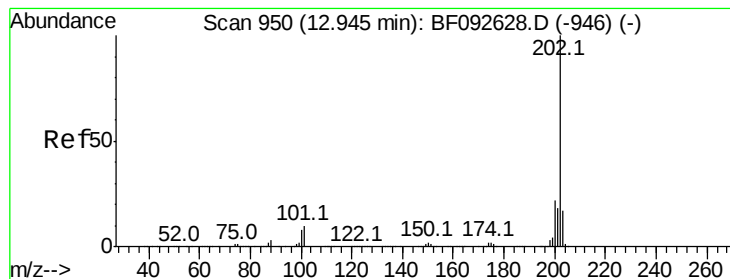


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 170.57 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

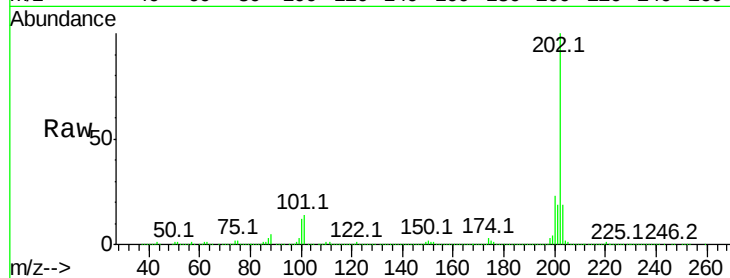
Tot Ion:202 Resp: 3374113

Ion Ratio Lower Upper

202 100

200 22.9 17.7 26.5

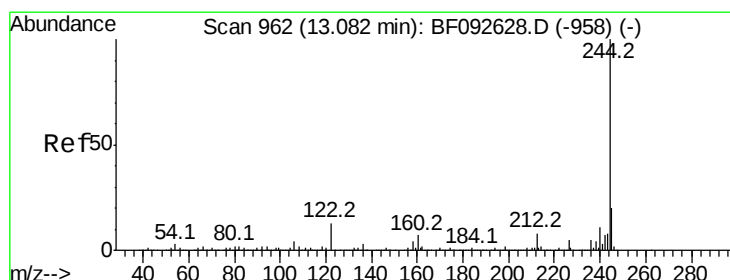
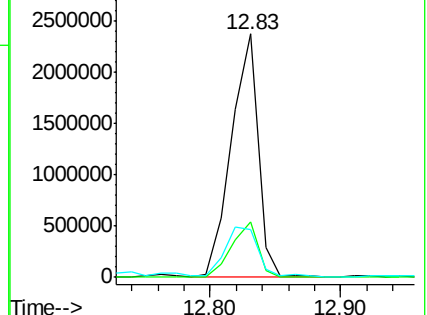
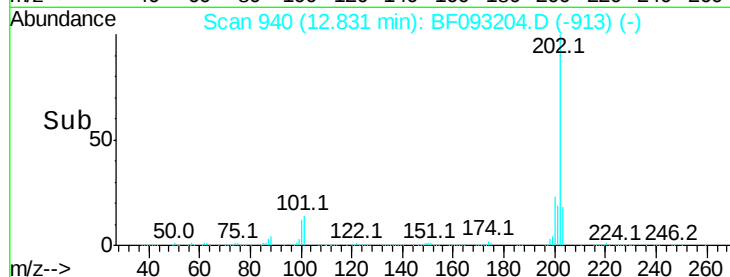
203 19.4 14.7 22.1



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: 56.93 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

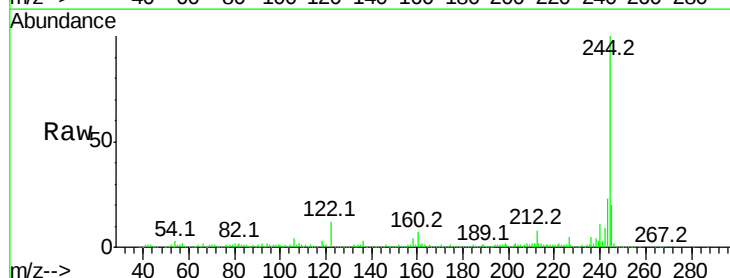
Tgt Ion:244 Resp: 640457

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

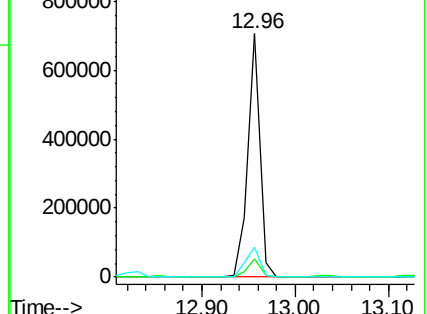
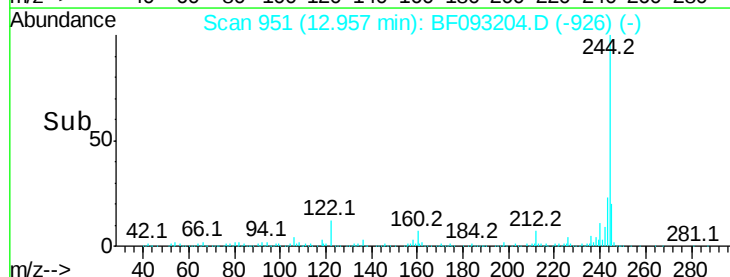
122 12.1 11.4 17.2

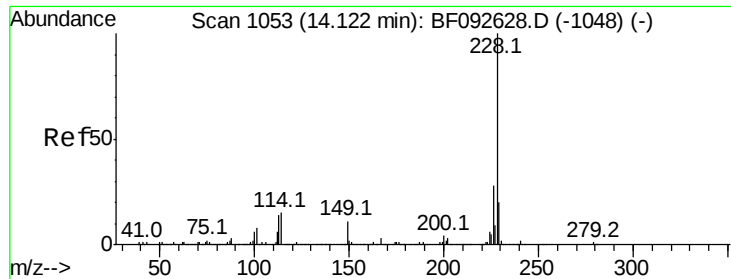


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

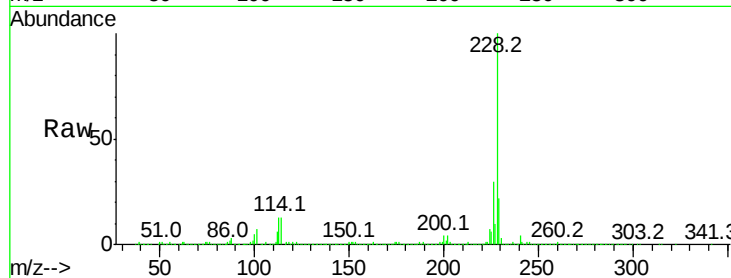




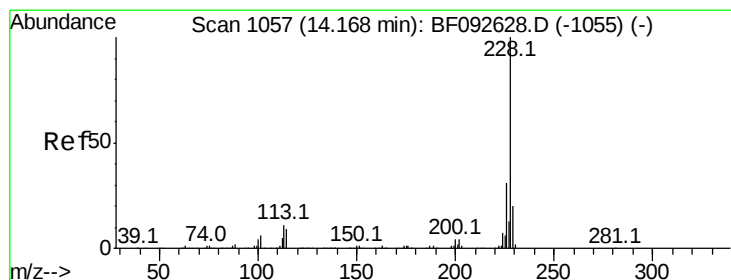
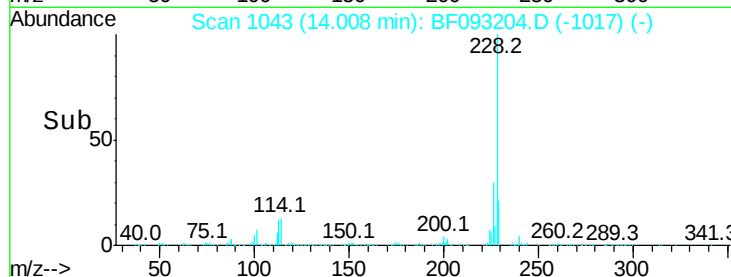
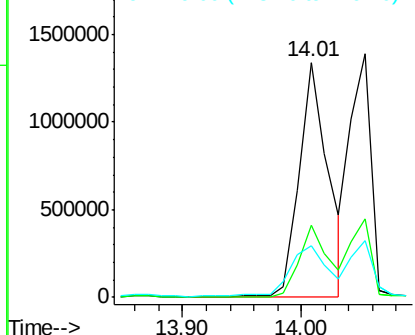
#80
Benzo(a)anthracene
Concen: 140.67 ng
RT: 14.01 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASE

Tot Ion:228 Resp: 2274198
Ion Ratio Lower Upper
228 100
226 30.5 22.4 33.6
229 22.0 16.2 24.4

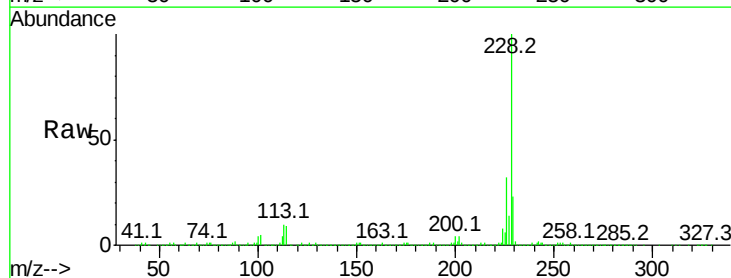


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

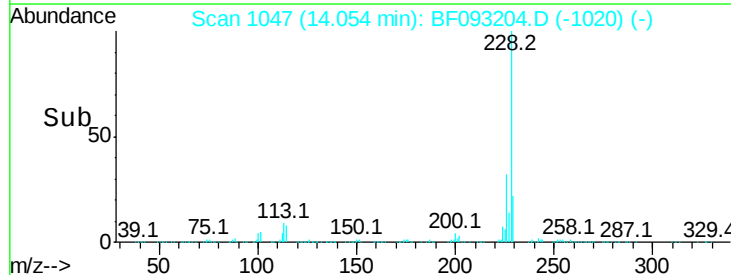
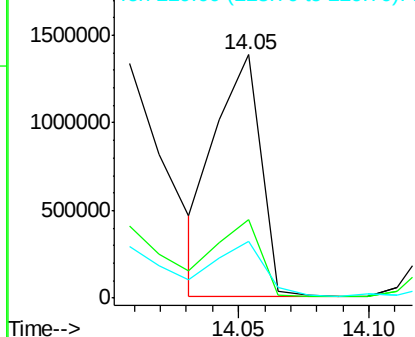


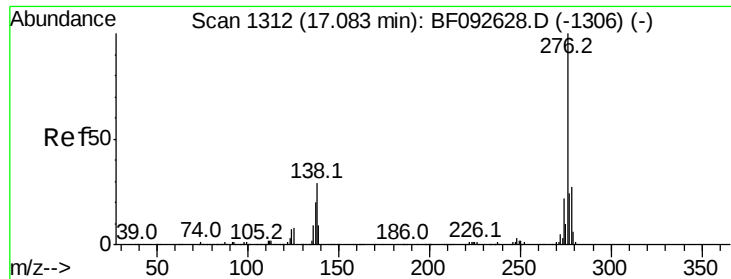
#82
Chrysene
Concen: 110.23 ng
RT: 14.05 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BF093204.D
Acq: 27 Feb 2017 13:04

Tgt Ion:228 Resp: 1668455
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.0
229 23.4 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

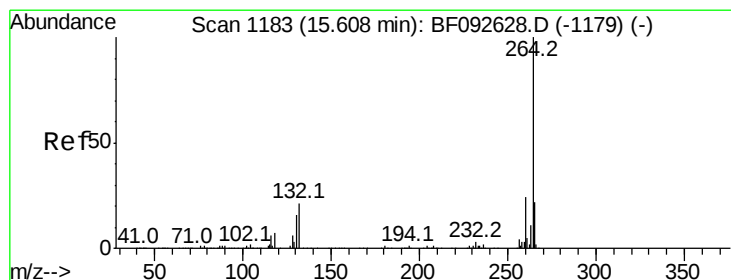
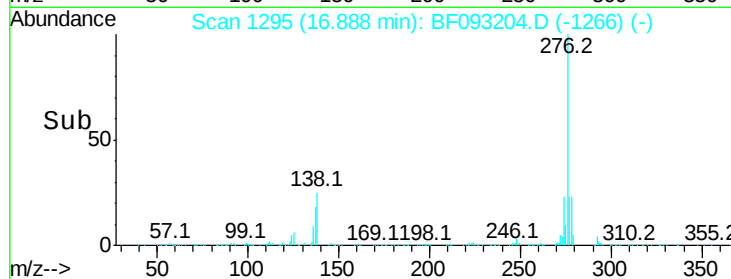
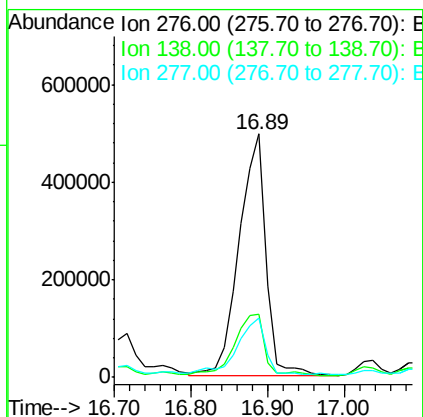
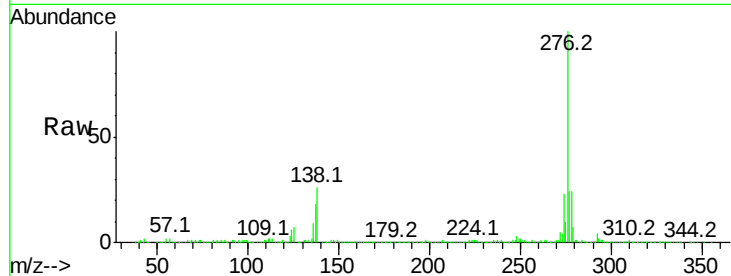




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 102.40 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. 0.03 min
 Lab File: BF093204.D
 Acq: 27 Feb 2017 13:04

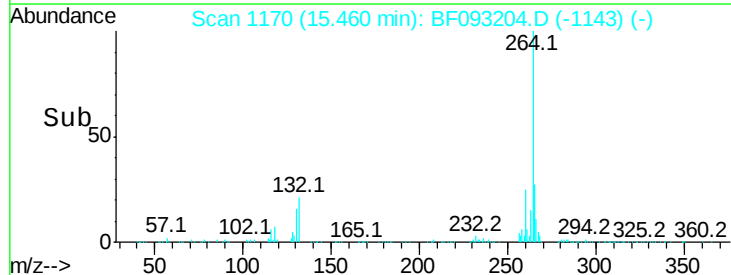
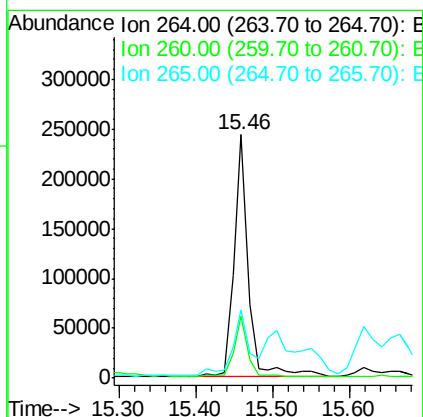
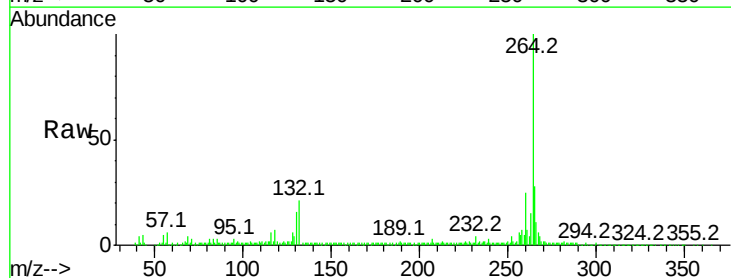
Instrument :
 BNA_F
 ClientSampleId :
 E2-GG9-BASE

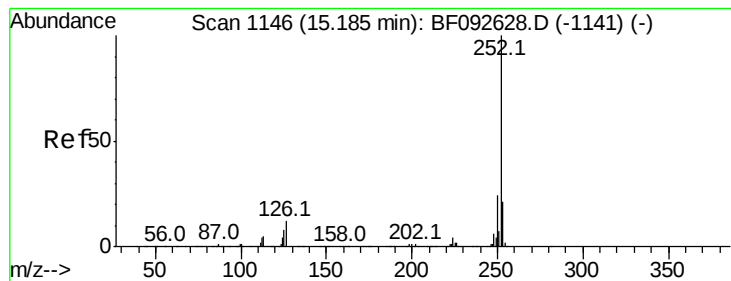
Tot Ion:276 Resp: 1200574
 Ion Ratio Lower Upper
 276 100
 138 26.2 21.8 32.6
 277 24.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF093204.D
 Acq: 27 Feb 2017 13:04

Tgt Ion:264 Resp: 328304
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 27.9 17.4 26.0#





#87

Benzo(b)fluoranthene

Concen: 154.14 ng

RT: 15.06 min Scan# 1135

Delta R.T. 0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

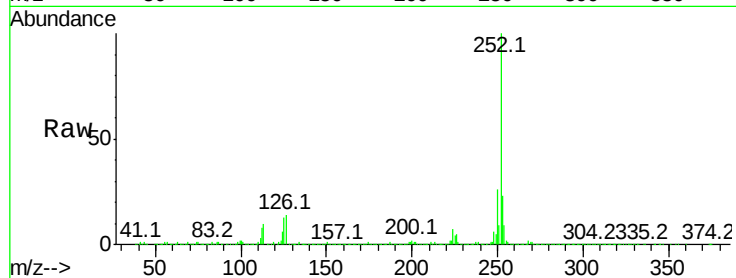
Tot Ion:252 Resp: 3330753

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.4

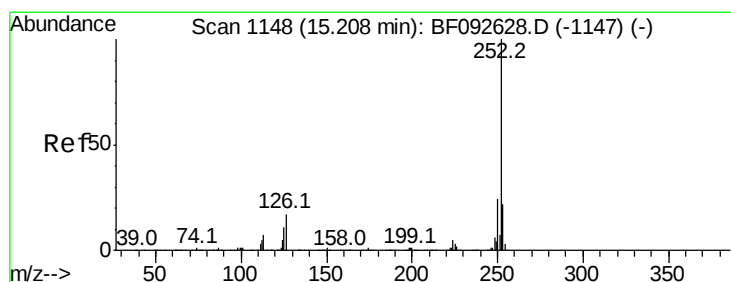
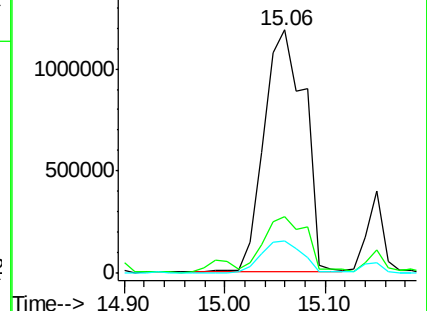
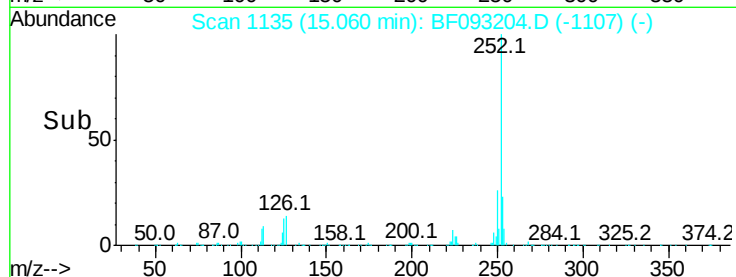
125 13.1 9.8 14.6



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: 178.52 ng

RT: 15.06 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

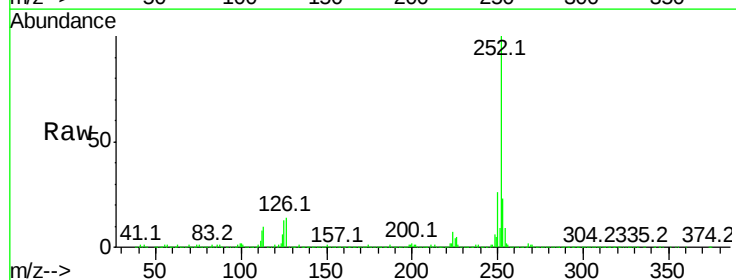
Tgt Ion:252 Resp: 3330753

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

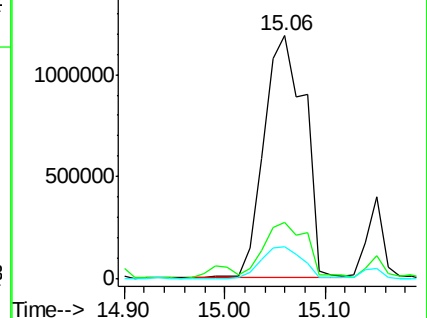
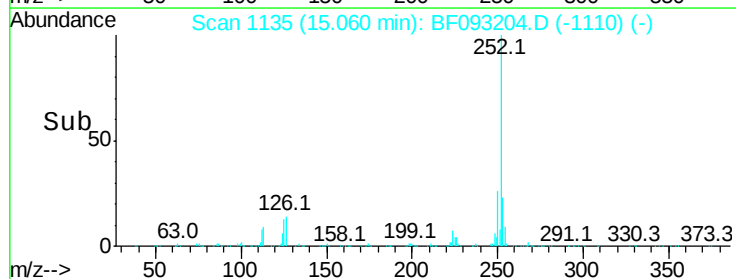
125 13.1 8.9 13.3

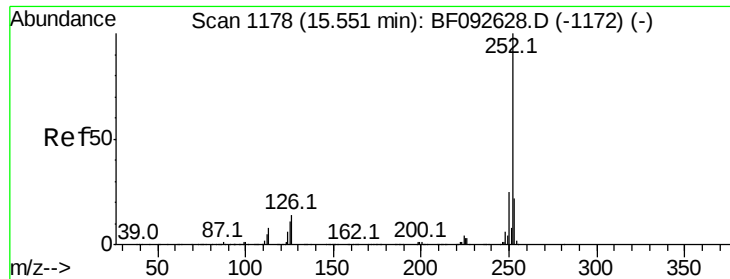


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 102.23 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

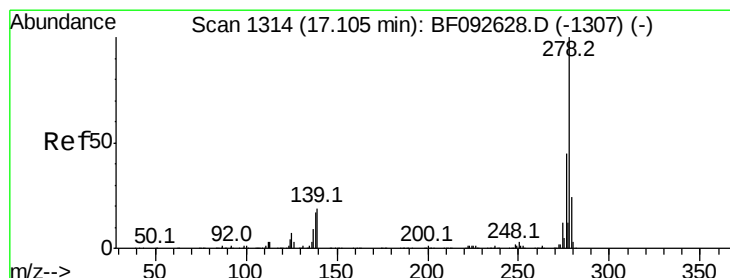
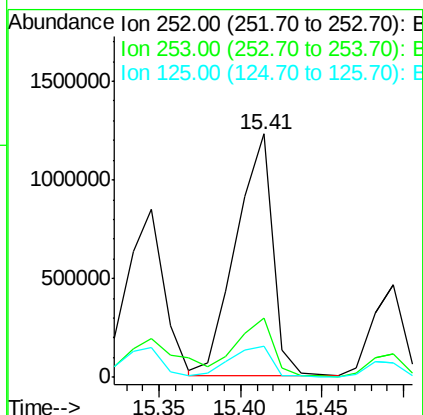
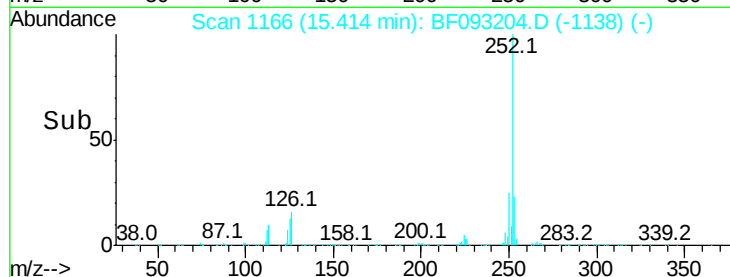
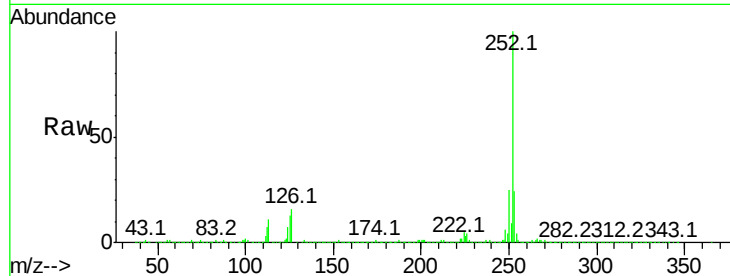
Tot Ion:252 Resp: 1910917

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	12.8	10.0	15.0

252 100

253 24.2 18.2 27.2

125 12.8 10.0 15.0



#90

Dibenzo(a,h)anthracene

Concen: 15.59 ng

RT: 17.04 min Scan# 1308

Delta R.T. 0.17 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

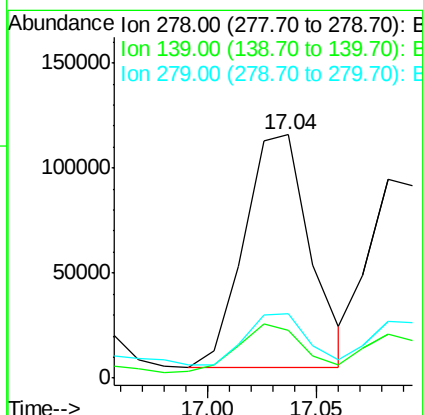
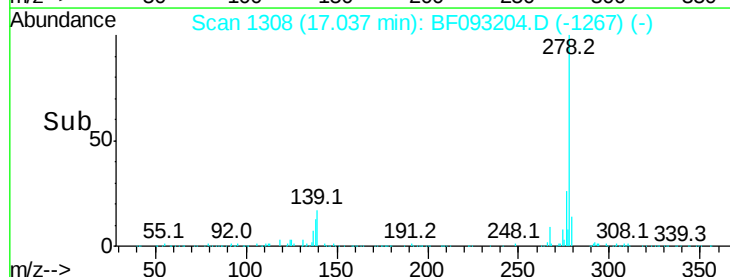
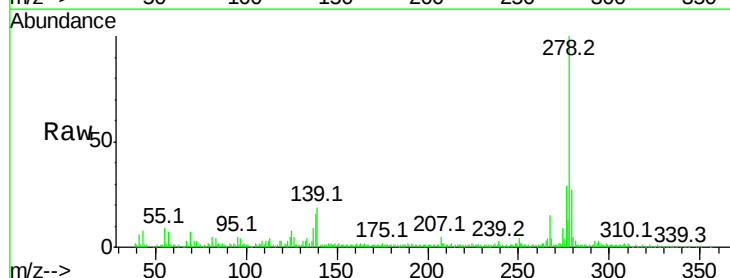
Tgt Ion:278 Resp: 235481

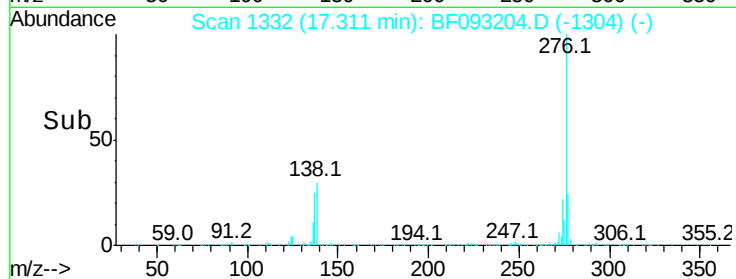
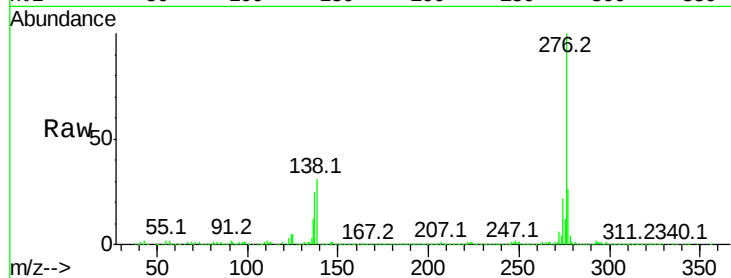
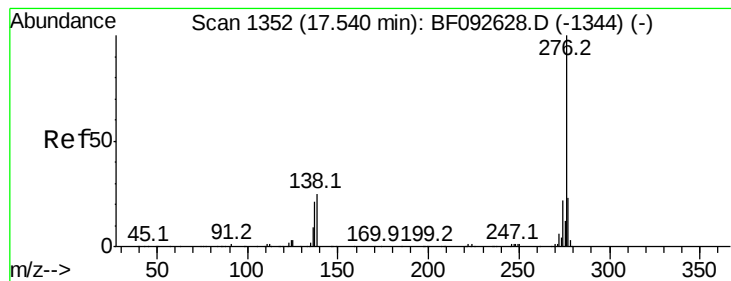
Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.8	22.2
279	26.6	19.8	29.6

278 100

139 19.4 14.8 22.2

279 26.6 19.8 29.6





#91

Benzo(a,h,i)perylene

Concen: 73.60 ng

RT: 17.31 min Scan# 1332

Delta R.T. 0.02 min

Lab File: BF093204.D

Acq: 27 Feb 2017 13:04

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASE

Tot Ion:276 Resp: 1123264

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 30.6 16.0 24.0#

