

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
 Data File : BF090627.D
 Acq On : 18 Oct 2016 14:32
 Operator : UM/SJ
 Sample : PB94148BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94148BL

Quant Time: Oct 19 01:21:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198366	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	833223	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	422249	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	663486	20.00	ng	-0.01
75) Chrysene-d12	14.08	240	441021	20.00	ng	-0.01
86) Perylene-d12	15.53	264	379219	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1923119	177.73	ng	0.00
7) Phenol-d6	6.53	99	2447750	152.24	ng	-0.01
23) Nitrobenzene-d5	7.47	82	1598237	106.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	517768	137.54	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2340226	91.32	ng	-0.01
78) Terphenyl-d14	13.02	244	2118375	111.84	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.67	93	2669	0.14	ng	# 1
8) 2-Chlorophenol	6.68	128	805	0.06	ng	# 1
9) Benzaldehyde	6.53	77	3082	0.30	ng	# 4
10) Phenol	6.54	94	239	0.01	ng	# 1
11) bis(2-Chloroethyl)ether	6.67	93	2669	0.18	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	7.14	45	909	0.04	ng	# 58
18) Hexachloroethane	7.25	117	211	0.04	ng	# 5
24) Nitrobenzene	7.47	77	4862	0.32	ng	# 43
31) Naphthalene	8.21	128	1420	0.03	ng	# 68
33) 4-Chloroaniline	8.30	127	239	0.01	ng	# 1
45) 1,1'-Biphenyl	9.26	154	4374	0.14	ng	# 1
48) Acenaphthylene	9.74	152	754	0.02	ng	# 59
49) Dimethylphthalate	9.66	163	280	0.01	ng	# 76
51) Acenaphthene	9.95	154	1447	0.06	ng	# 4
52) 3-Nitroaniline	9.99	138	264	0.04	ng	# 1
59) Diethylphthalate	10.36	149	5045	0.18	ng	# 96
62) Azobenzene	10.62	77	1710	0.05	ng	# 8
65) n-Nitrosodiphenylamine	10.74	169	18484	0.84	ng	# 42
70) Phenanthrene	11.45	178	2104	0.06	ng	# 86
71) Anthracene	11.49	178	545	0.01	ng	# 59
72) Carbazole	11.66	167	830	0.02	ng	# 58
73) Di-n-butylphthalate	11.98	149	10122	0.25	ng	# 91
74) Fluoranthene	12.64	202	1503	0.04	ng	# 76
77) Pyrene	12.86	202	1411	0.05	ng	# 61
79) Butylbenzylphthalate	13.49	149	977	0.08	ng	# 55
80) Benzo(a)anthracene	14.08	228	3224	0.13	ng	# 81
82) Chrysene	14.08	228	3224	0.13	ng	# 84
83) Bis(2-ethylhexyl)phthalate	14.05	149	4394	0.25	ng	# 96
84) Di-n-octyl phthalate	14.70	149	4284	0.18	ng	# 59
85) Indeno(1,2,3-cd)pyrene	16.97	276	517	0.04	ng	# 1
87) Benzo(b)fluoranthene	15.10	252	2902	0.12	ng	# 1
88) Benzo(k)fluoranthene	15.10	252	2902	0.11	ng	# 1
89) Benzo(a)pyrene	15.47	252	632	0.03	ng	# 1
90) Dibenzo(a,h)anthracene	16.99	278	226	0.01	ng	# 1

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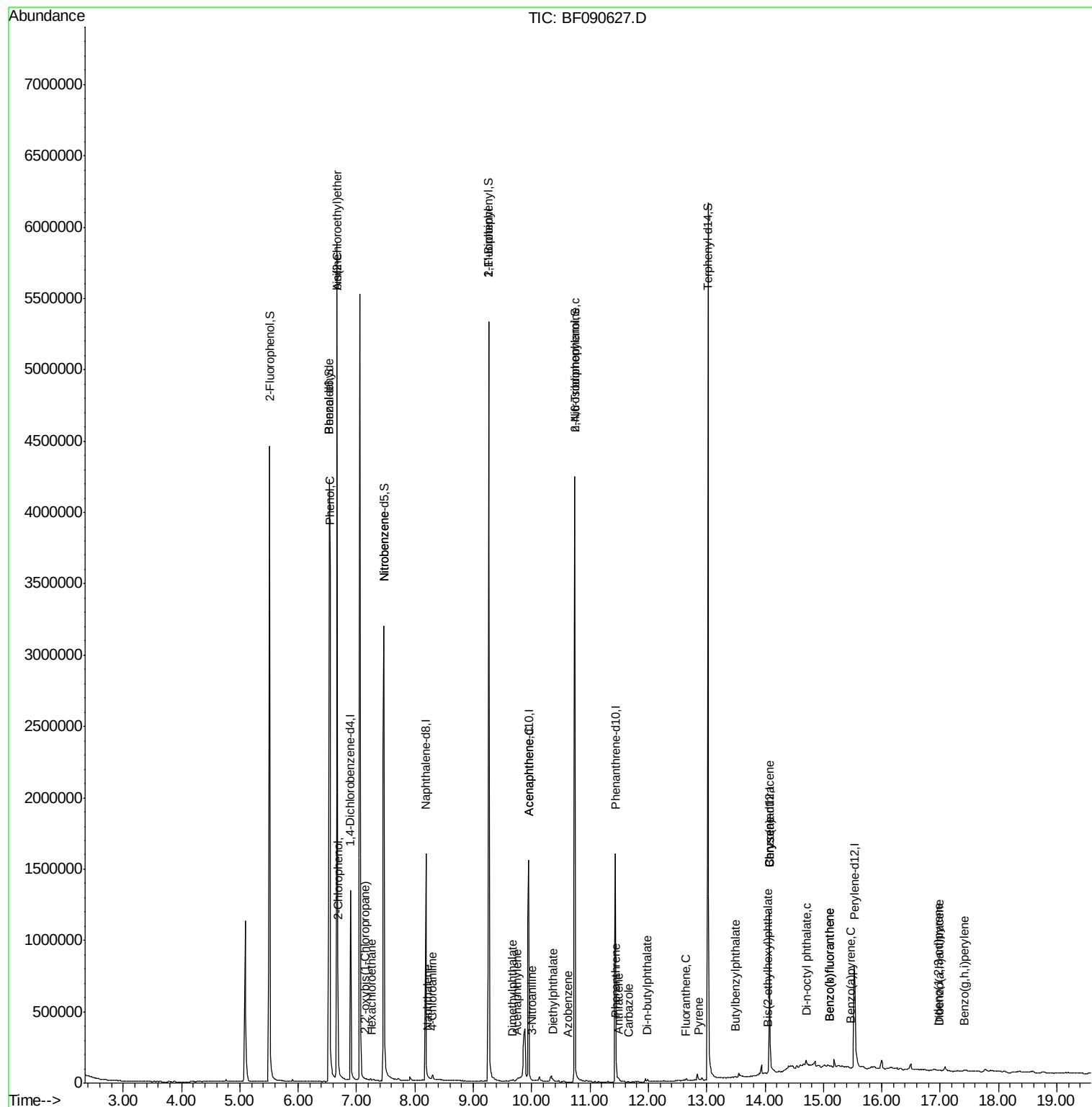
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	17.41	276	486	0.03	nq	# 22

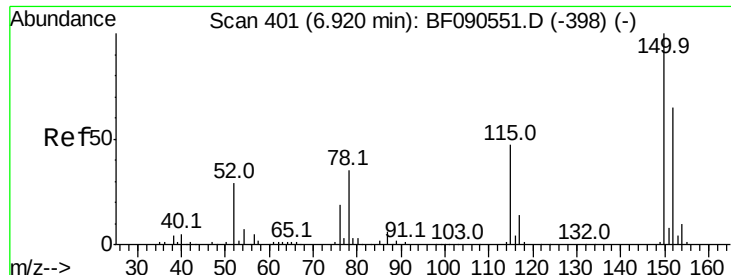
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

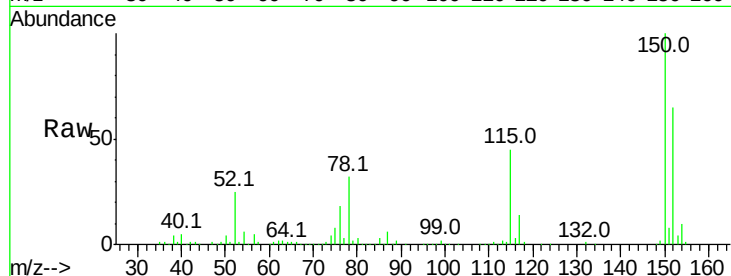
Tot Ion:152 Resp: 198366

Ion Ratio Lower Upper

152 100

150 154.9 127.2 190.8

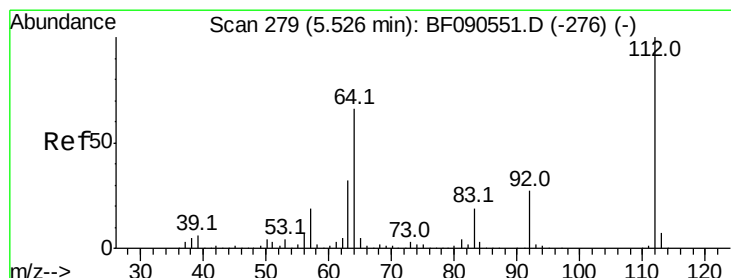
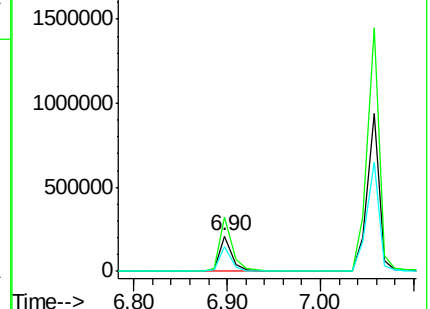
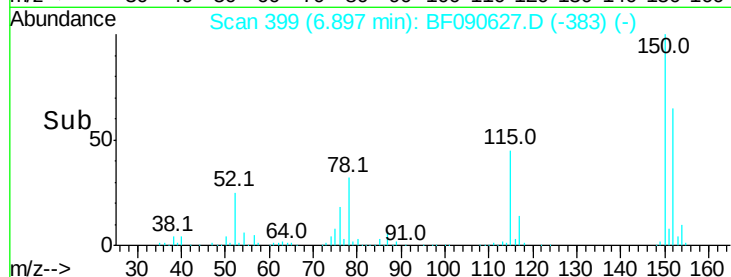
115 69.0 58.6 88.0



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: 177.73 ng

RT: 5.51 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

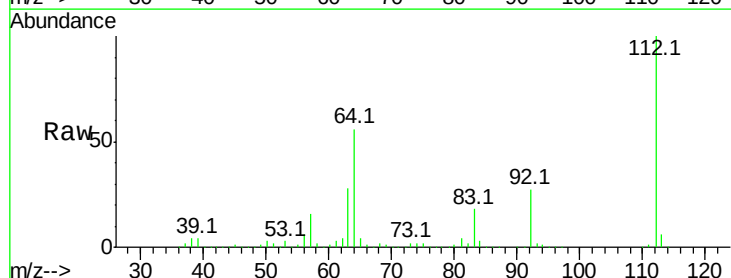
Tgt Ion:112 Resp: 1923119

Ion Ratio Lower Upper

112 100

64 56.3 52.6 78.8

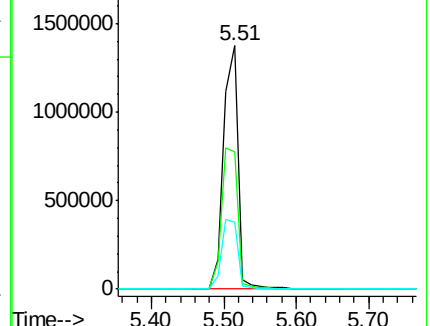
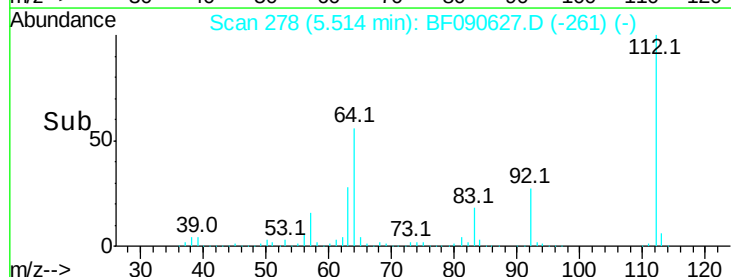
63 27.7 26.0 39.0

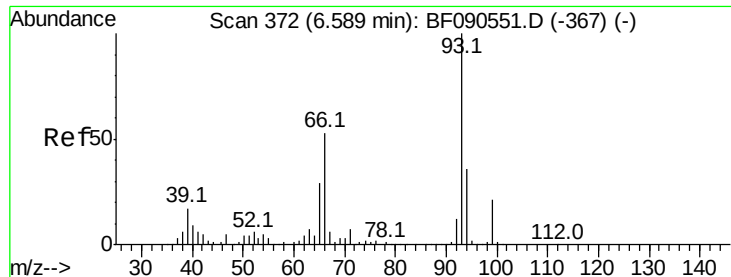


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.14 ng

RT: 6.67 min Scan# 379

Delta R.T. 0.09 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampled :

PB94148BL

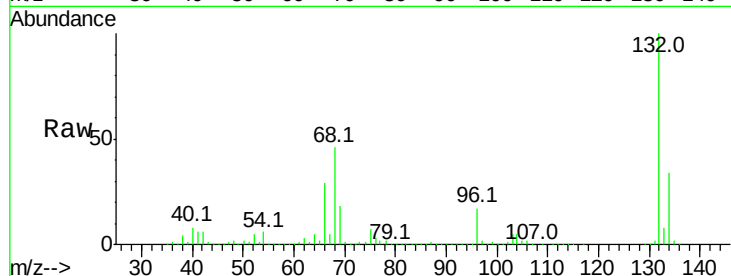
Tot Ion: 93 Resp: 2669

Ion Ratio Lower Upper

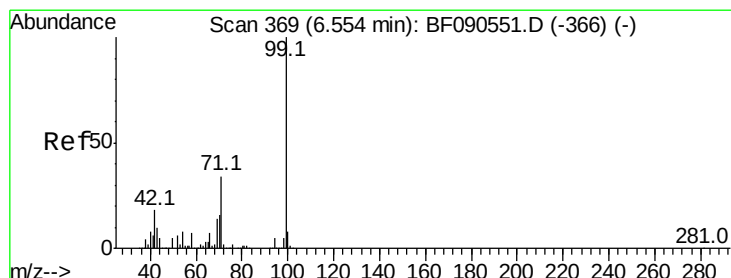
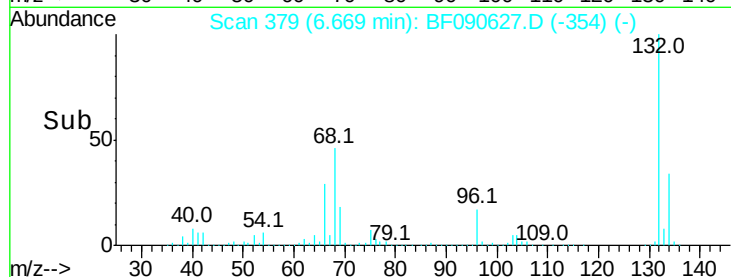
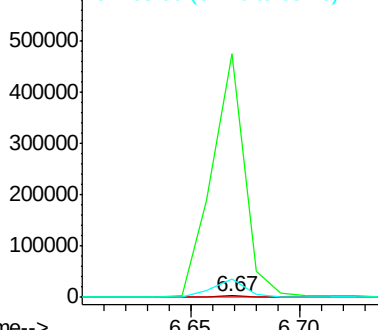
93 100

66 18348.6 42.2 63.2#

65 1371.4 22.9 34.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 152.24 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

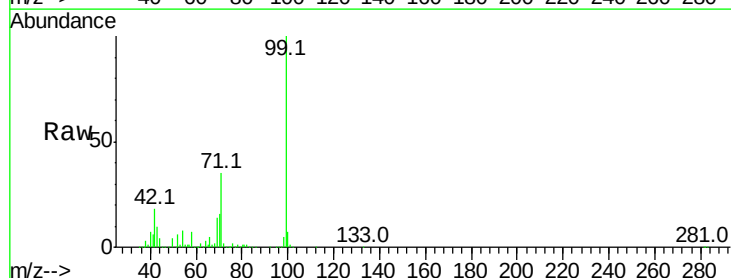
Tgt Ion: 99 Resp: 2447750

Ion Ratio Lower Upper

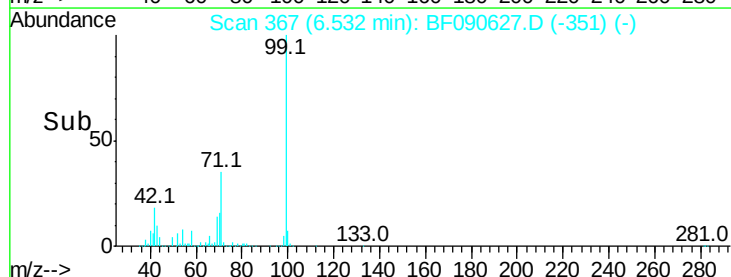
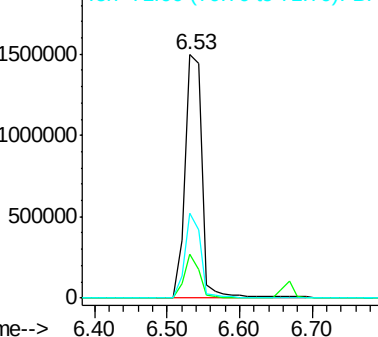
99 100

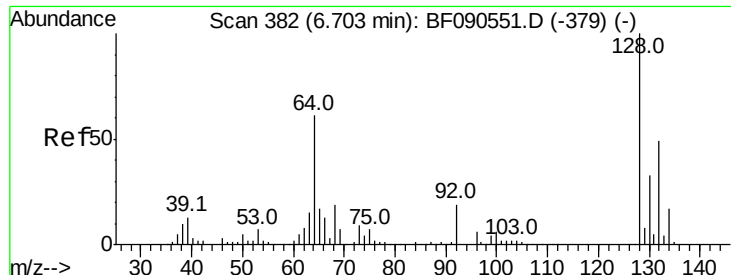
42 18.0 14.7 22.1

71 35.1 27.6 41.4



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





#8

2-Chlorophenol

Concen: 0.06 ng

RT: 6.68 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

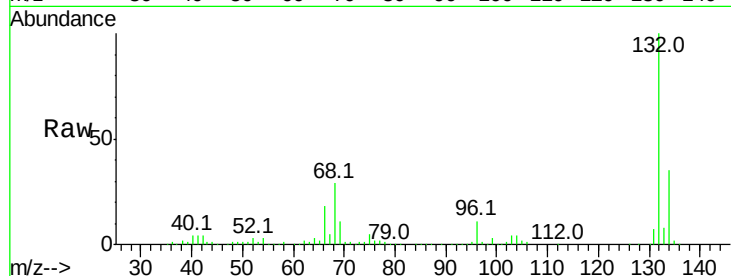
Tot Ion:128 Resp: 805

Ion Ratio Lower Upper

128 100

130 90.0 12.6 52.6#

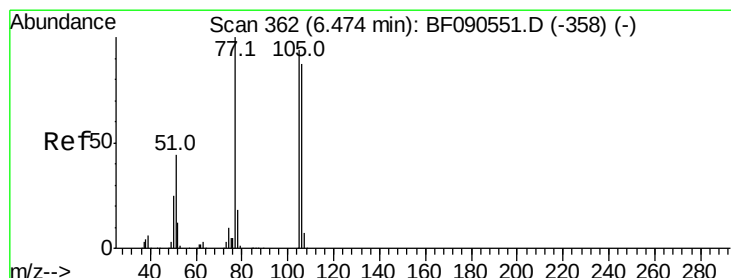
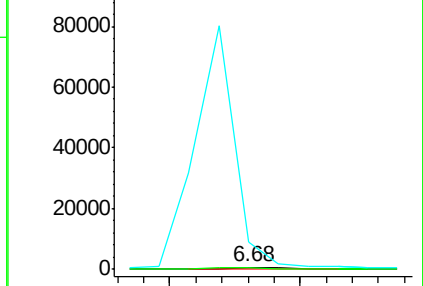
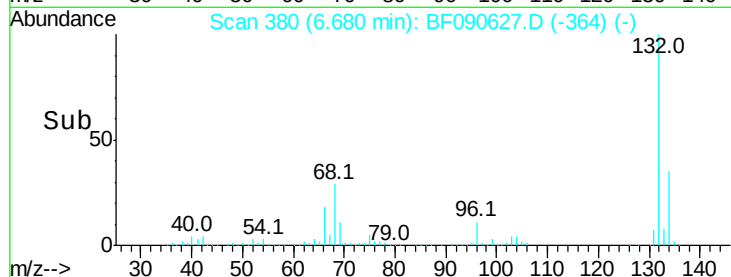
64 1178.1 42.6 82.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BFO



#9

Benzaldehyde

Concen: 0.30 ng

RT: 6.53 min Scan# 367

Delta R.T. 0.08 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

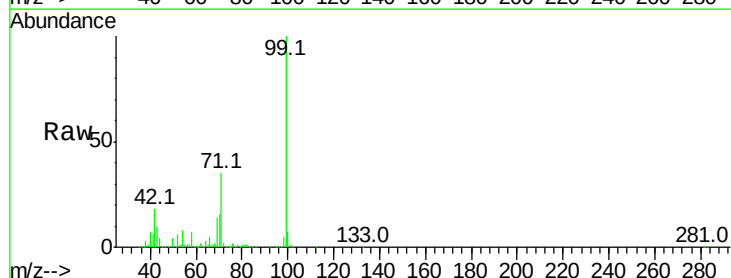
Tgt Ion: 77 Resp: 3082

Ion Ratio Lower Upper

77 100

105 0.0 74.3 114.3#

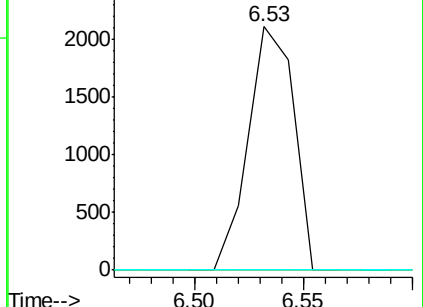
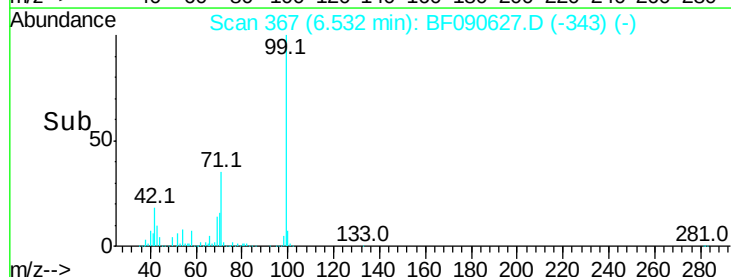
106 0.0 67.2 107.2#

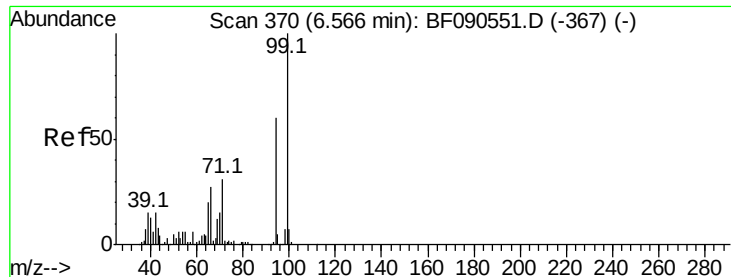


Abundance Ion 77.00 (76.70 to 77.70): BFO

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.01 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

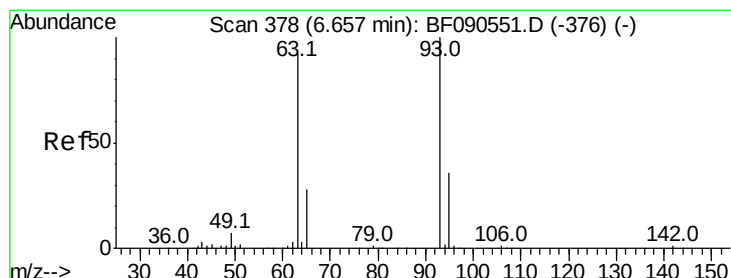
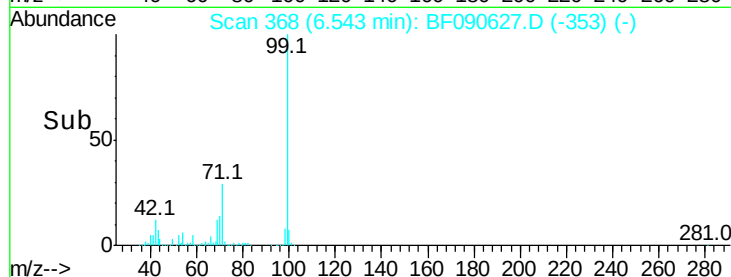
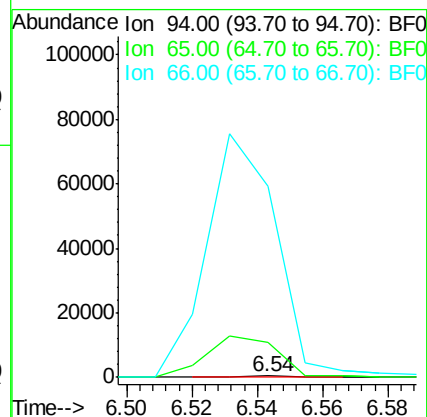
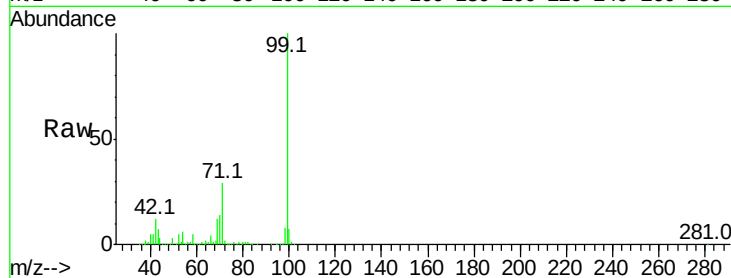
Tot Ion: 94 Resp: 239

Ion Ratio Lower Upper

94 100

65 3114.1 12.5 52.5#

66 16986.2 25.5 65.5#



#11

bis(2-Chloroethyl)ether

Concen: 0.18 ng

RT: 6.67 min Scan# 379

Delta R.T. 0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

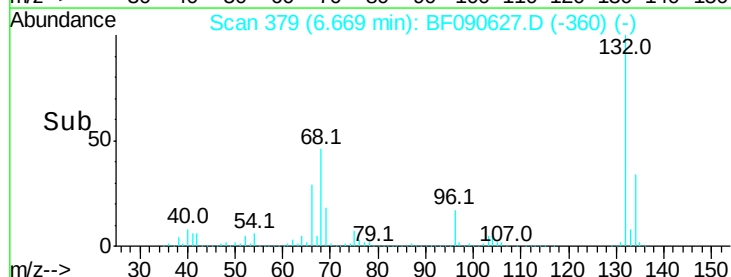
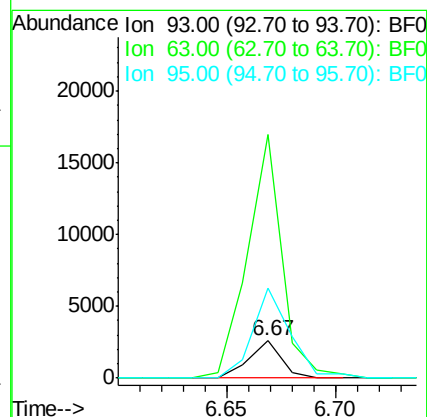
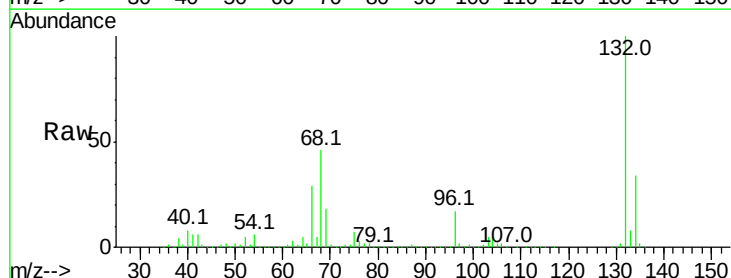
Tgt Ion: 93 Resp: 2669

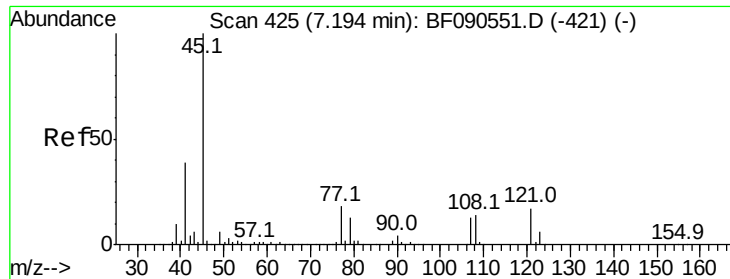
Ion Ratio Lower Upper

93 100

63 656.1 61.6 101.6#

95 241.7 11.8 51.8#

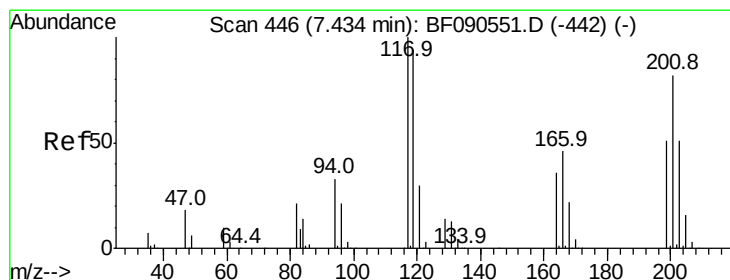
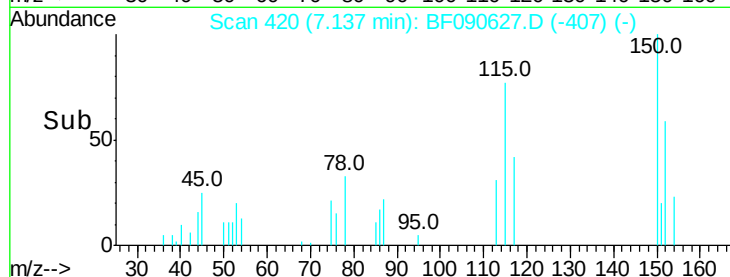
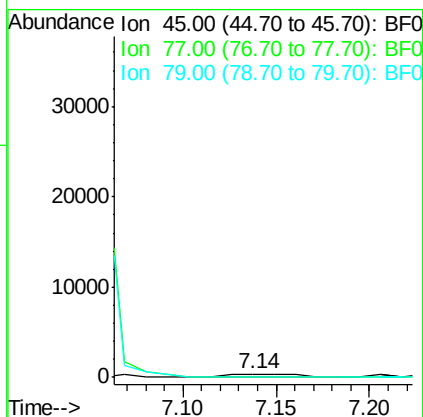
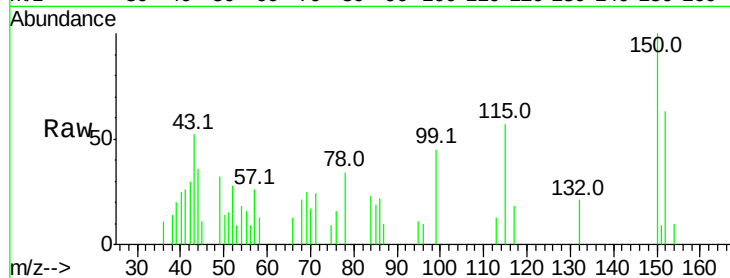




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.04 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.05 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

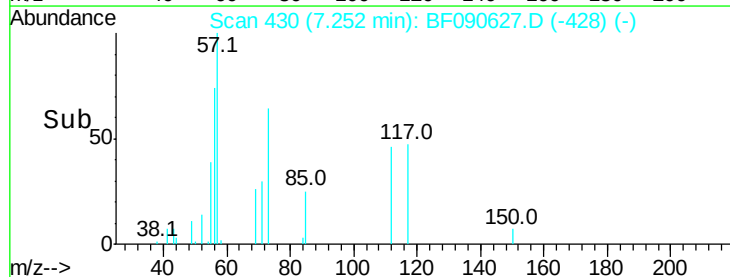
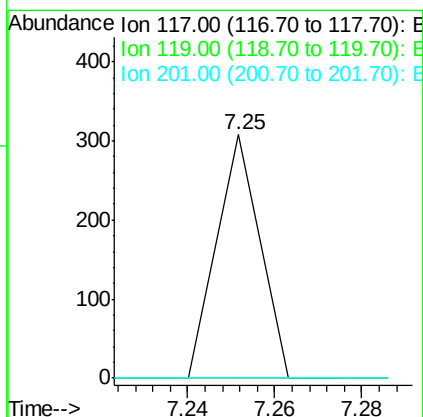
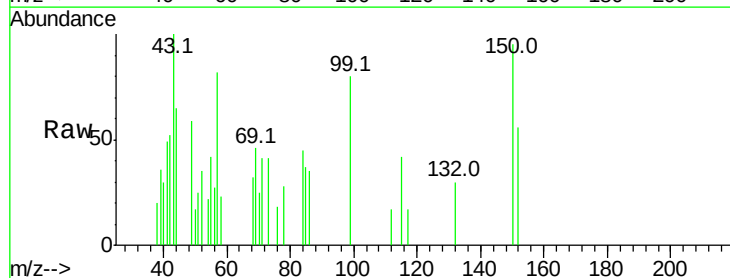
Instrument :
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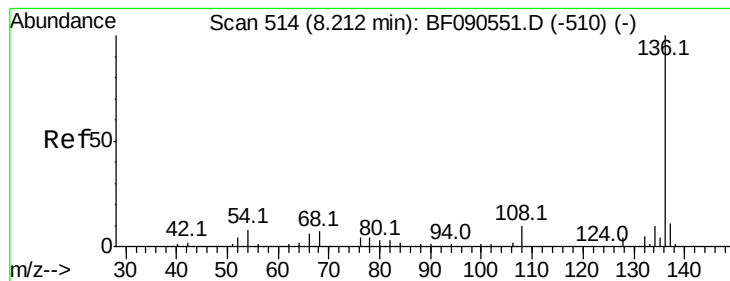
Tot Ion: 45 Resp: 909
Ion Ratio Lower Upper
45 100
77 0.0 0.9 40.9#
79 0.0 0.0 37.3



#18
Hexachloroethane
Concen: 0.04 ng
RT: 7.25 min Scan# 430
Delta R.T. -0.17 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion: 117 Resp: 211
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
201 0.0 65.4 98.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

Tot Ion:136 Resp: 833223

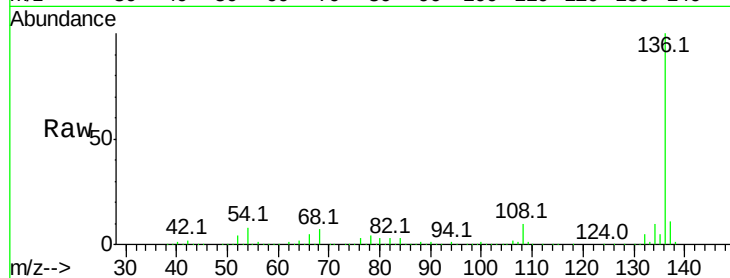
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.7 6.8 10.2

68 6.8 6.0 9.0

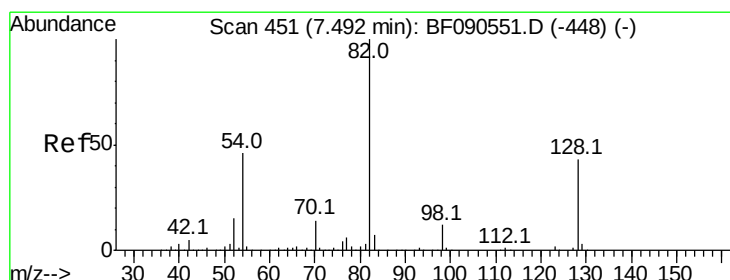
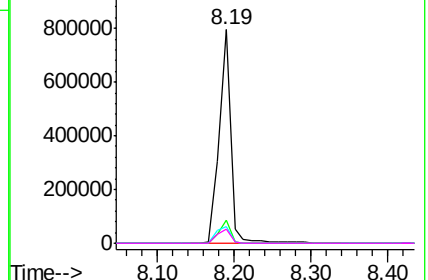
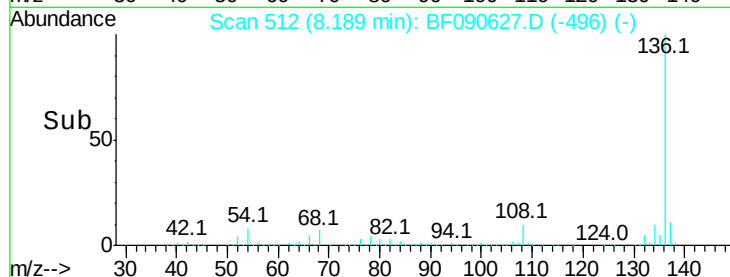


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.55 ng

RT: 7.47 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

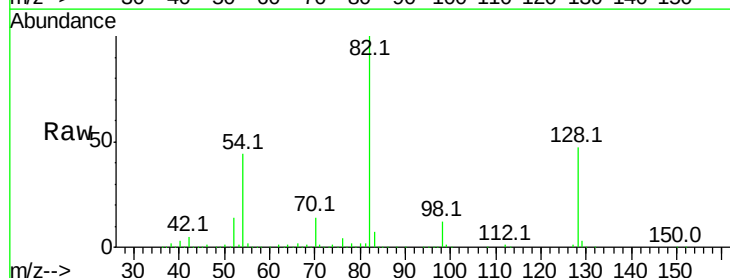
Tgt Ion: 82 Resp: 1598237

Ion Ratio Lower Upper

82 100

128 46.7 34.3 51.5

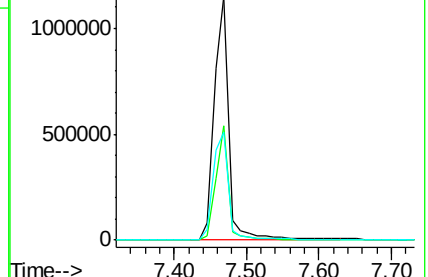
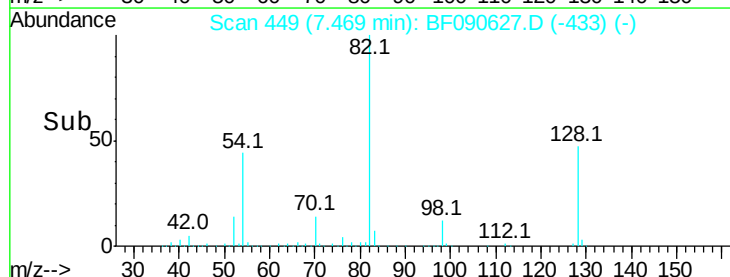
54 44.4 37.0 55.6

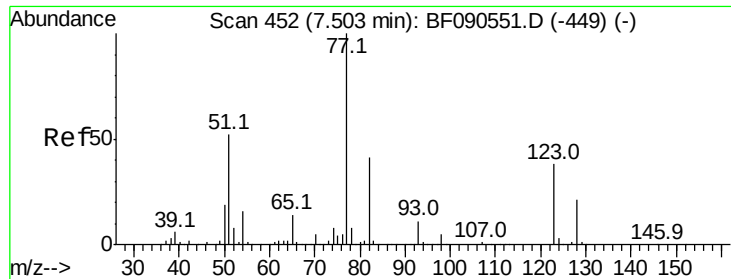


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

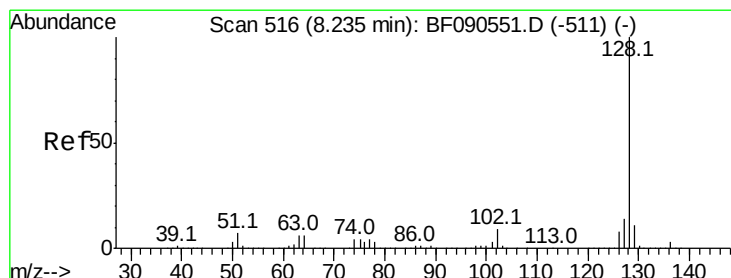
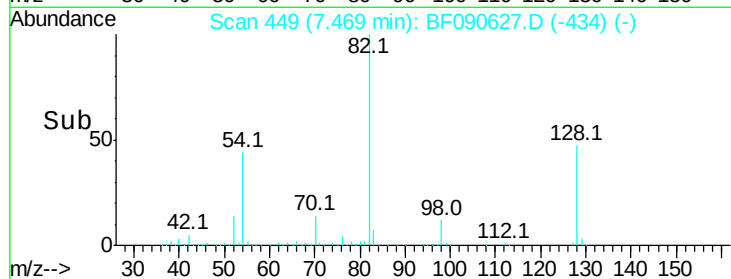
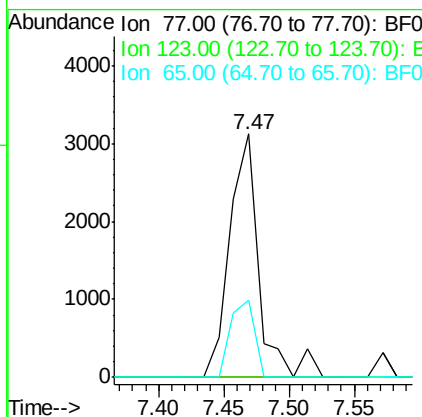
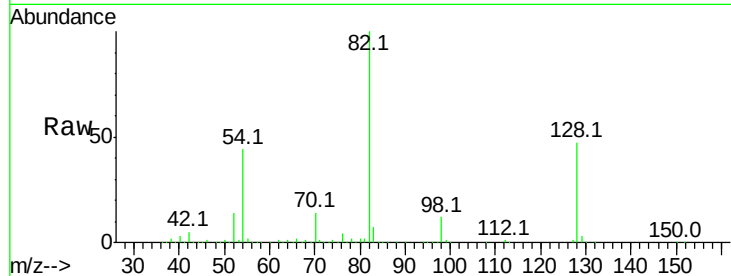




#24
Nitrobenzene
Concen: 0.32 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.02 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

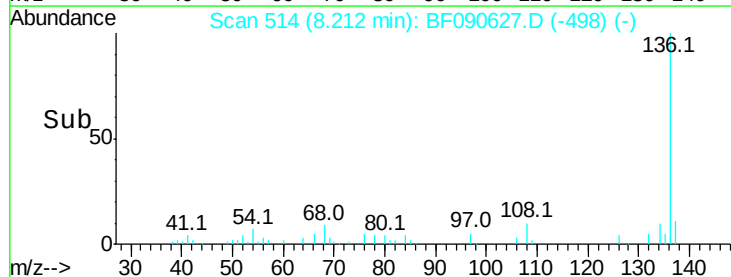
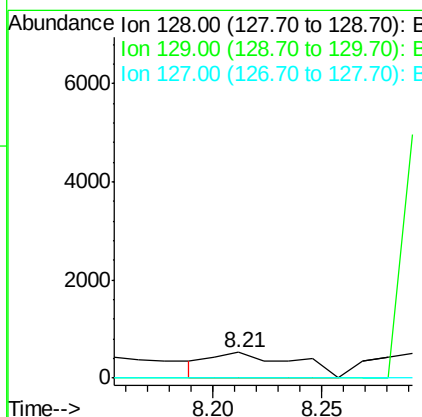
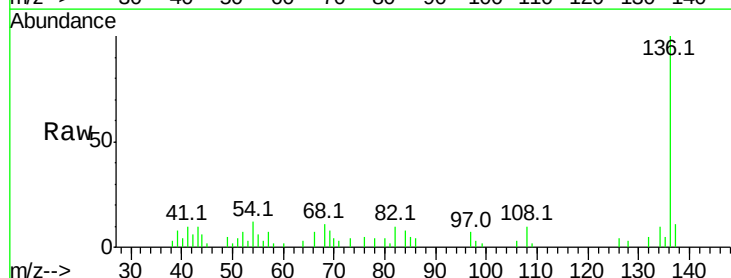
Instrument :
BNA_F
ClientSampleId :
PB94148BL

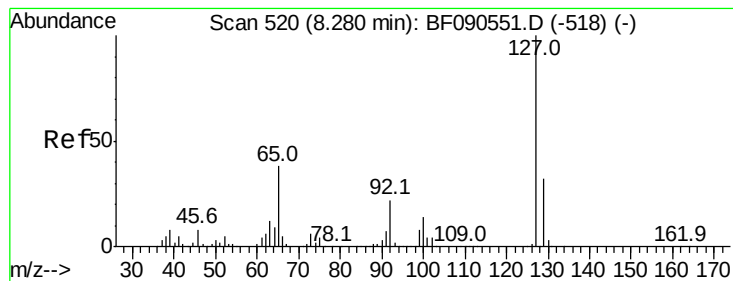
Tot Ion: 77 Resp: 4862
Ion Ratio Lower Upper
77 100
123 0.0 29.8 44.6#
65 31.5 10.9 16.3#



#31
Naphthalene
Concen: 0.03 ng
RT: 8.21 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion: 128 Resp: 1420
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 0.0 10.8 16.2#





#33

4-Chloroaniline

Concen: 0.01 ng

RT: 8.30 min Scan# 522

Delta R.T. 0.03 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

Tot Ion:127 Resp: 239

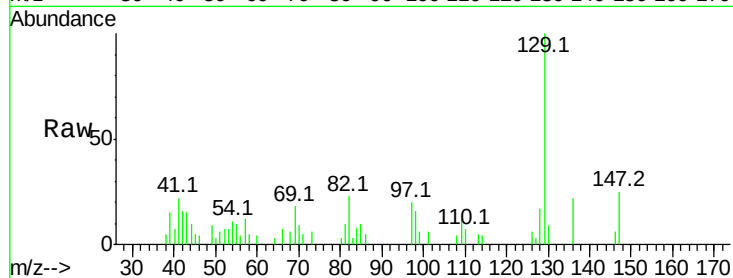
Ion Ratio Lower Upper

127 100

129 3004.6 26.2 39.2#

65 0.0 30.1 45.1#

92 0.0 17.2 25.8#

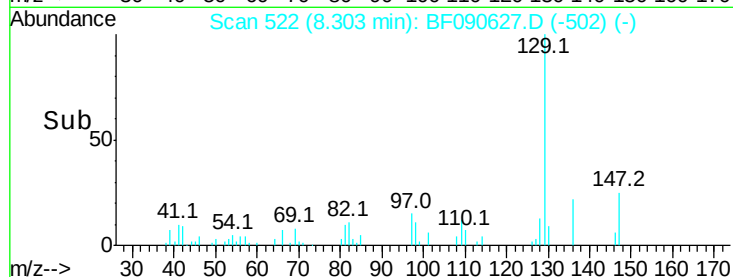


Abundance Ion 127.00 (126.70 to 127.70): E

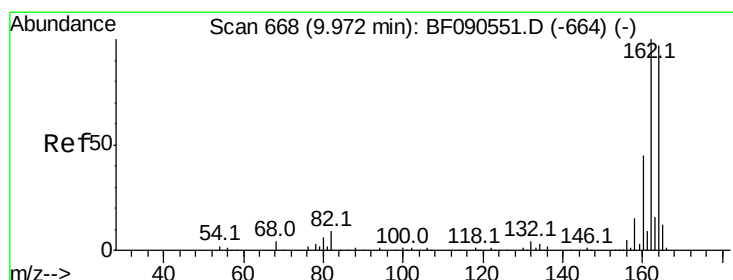
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

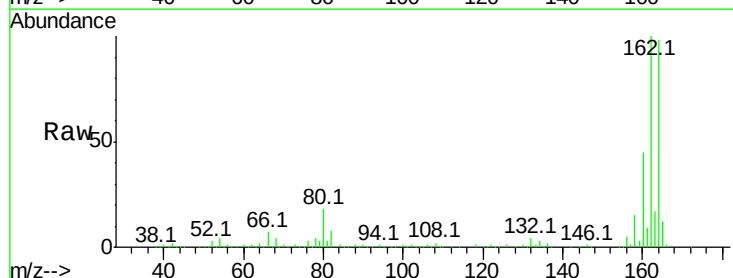
Tgt Ion:164 Resp: 422249

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.4

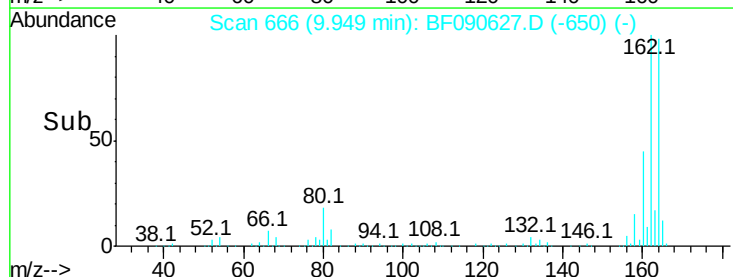
160 46.3 36.6 55.0



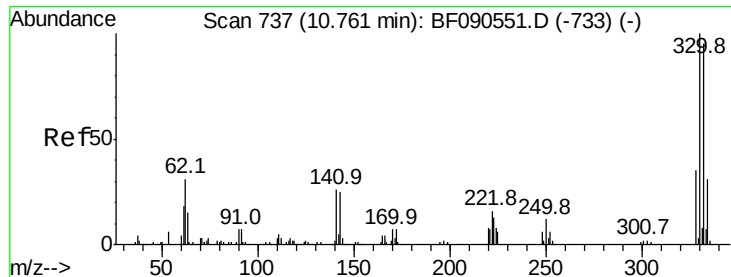
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



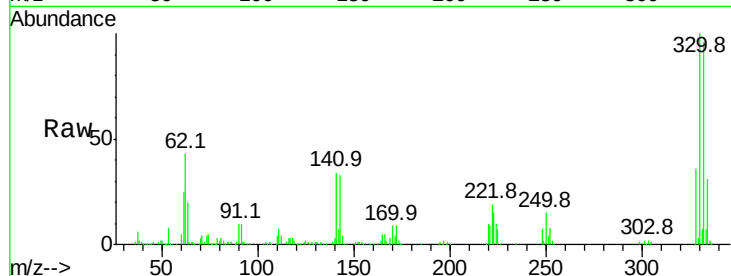
Time-->



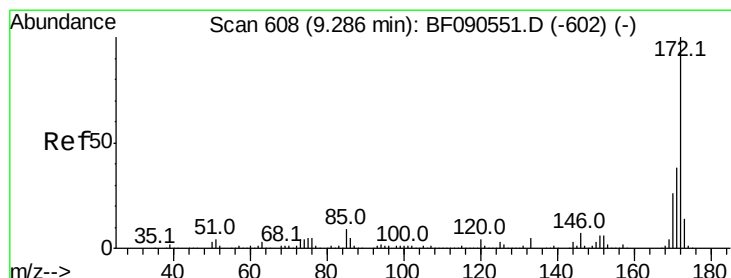
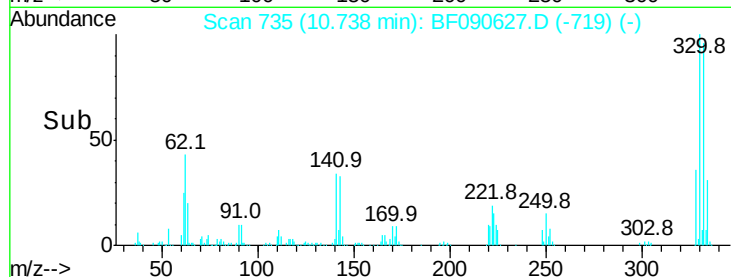
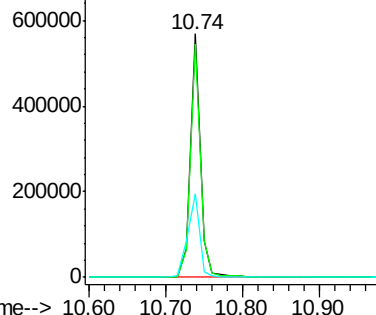
#41
 2,4,6-Tribromophenol
 Concen: 137.54 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090627.D
 Acq: 18 Oct 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 PB94148BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.2
141	40.7	31.4	47.2

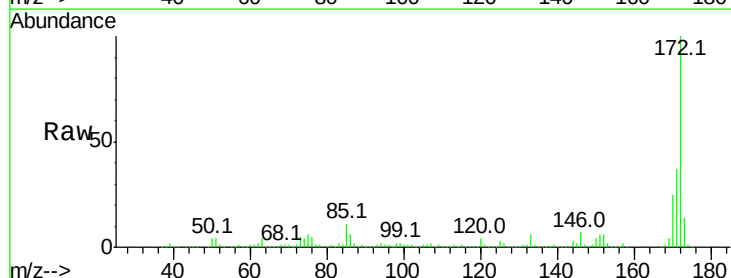


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

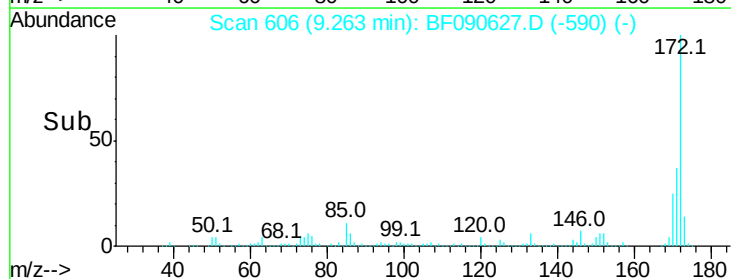
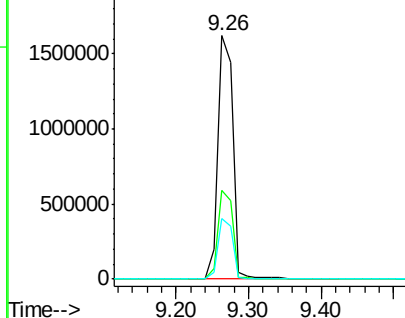


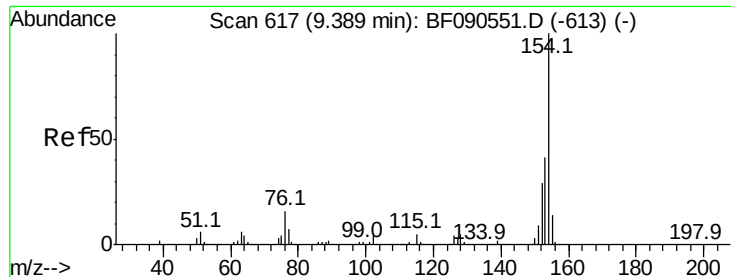
#44
 2-Fluorobiphenyl
 Concen: 91.32 ng
 RT: 9.26 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF090627.D
 Acq: 18 Oct 2016 14:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	25.0	20.6	30.8



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: 0.14 ng

RT: 9.26 min Scan# 606

Delta R.T. -0.11 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

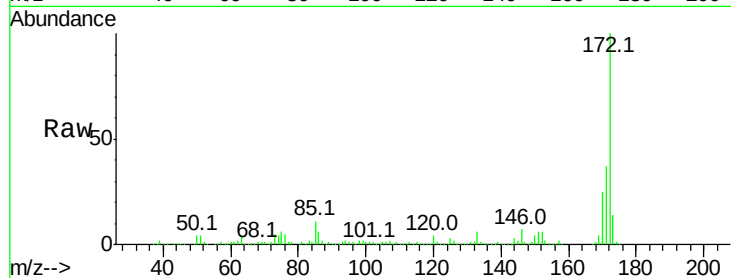
Tot Ion:154 Resp: 4374

Ion Ratio Lower Upper

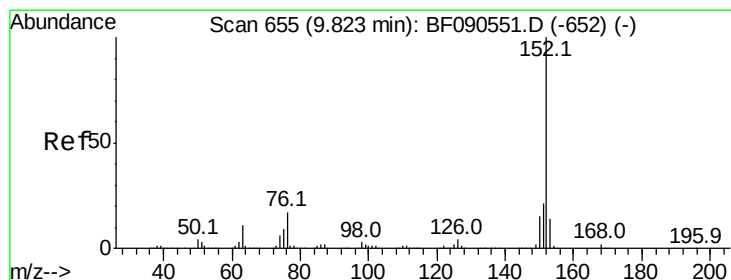
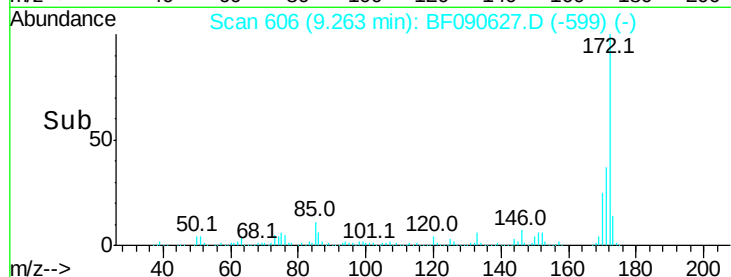
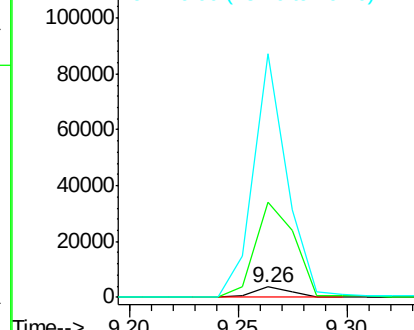
154 100

153 924.4 21.5 61.5#

76 2367.0 0.0 36.0#



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: 0.02 ng

RT: 9.74 min Scan# 648

Delta R.T. -0.08 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

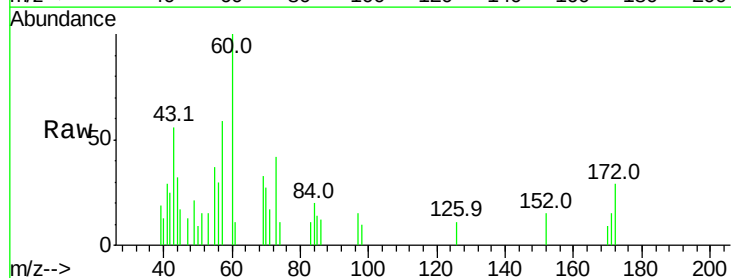
Tgt Ion:152 Resp: 754

Ion Ratio Lower Upper

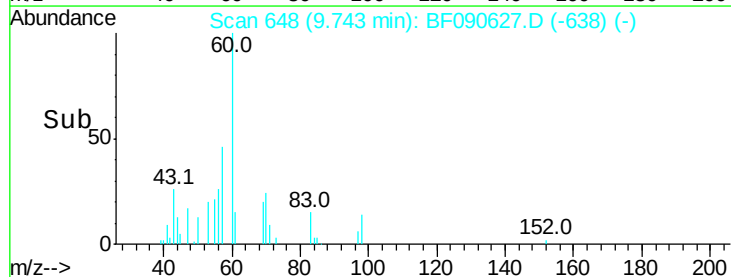
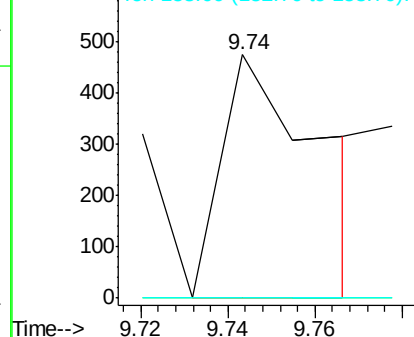
152 100

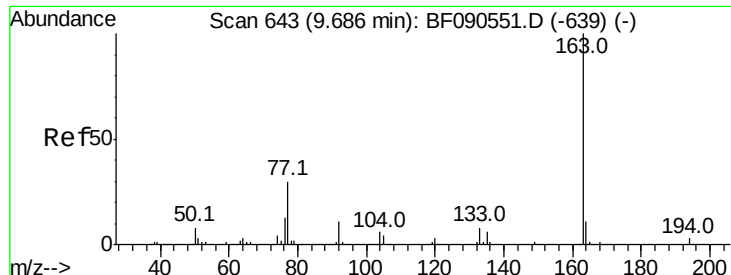
151 0.0 16.6 25.0#

153 0.0 11.3 16.9#



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: 0.01 ng

RT: 9.66 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

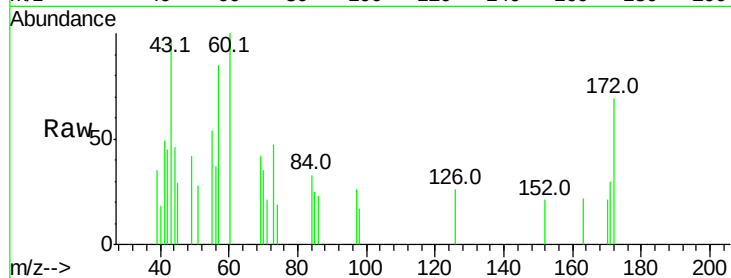
Tot Ion:163 Resp: 280

Ion Ratio Lower Upper

163 100

194 0.0 2.3 3.5#

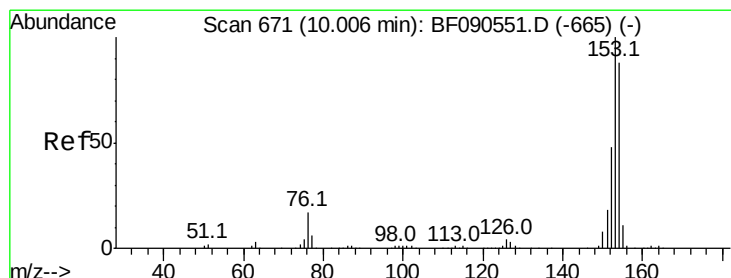
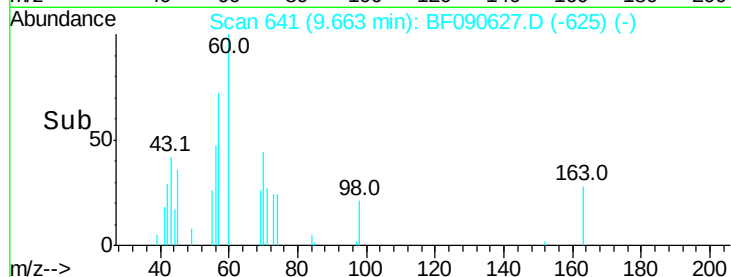
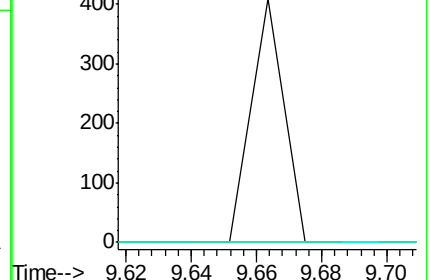
164 0.0 8.6 13.0#



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: 0.06 ng

RT: 9.95 min Scan# 666

Delta R.T. -0.05 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

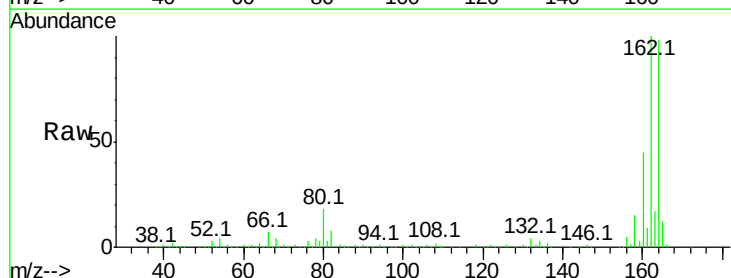
Tgt Ion:154 Resp: 1447

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

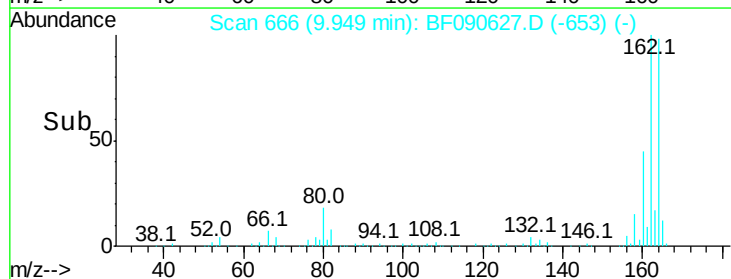
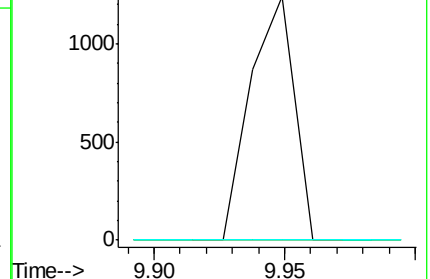
152 0.0 44.0 66.0#

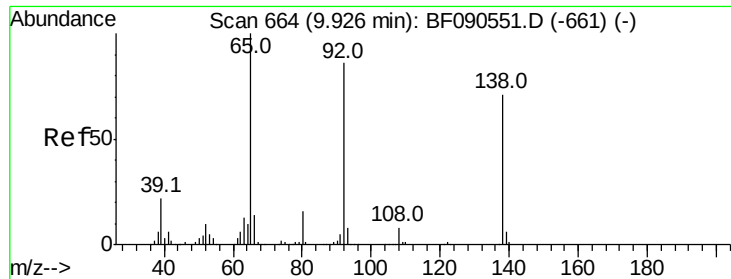


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

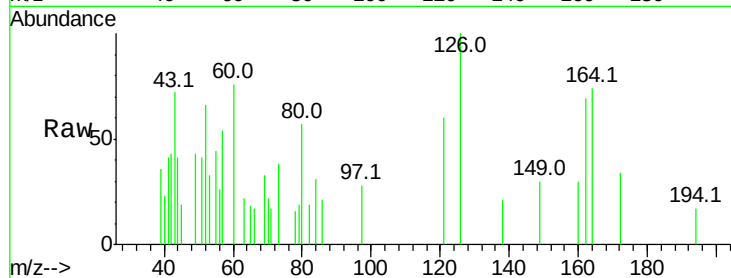




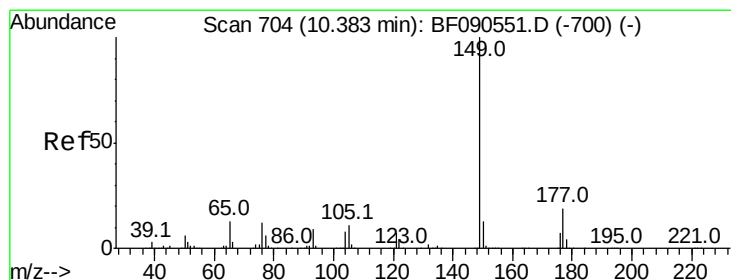
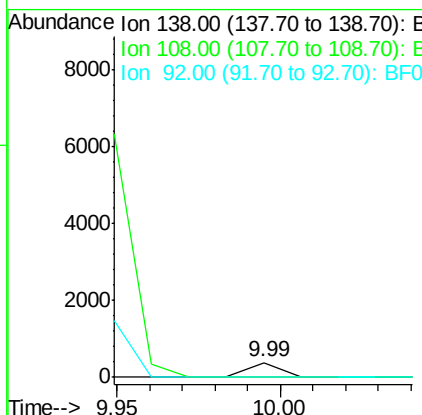
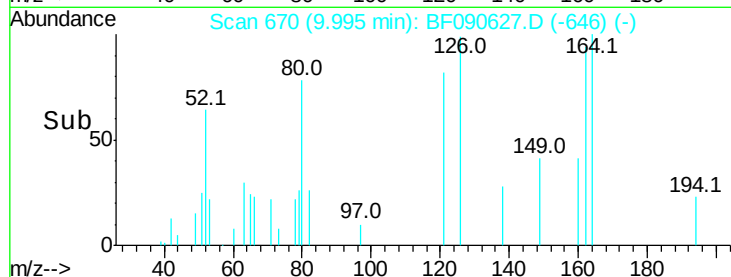
#52
3-Nitroaniline
Concen: 0.04 ng
RT: 9.99 min Scan# 670
Delta R.T. 0.08 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Instrument :
BNA_F
ClientSampleId :
PB94148BL

Tot Ion:138 Resp: 264
Ion Ratio Lower Upper
138 100
108 0.0 8.6 12.8#
92 0.0 97.8 146.8#

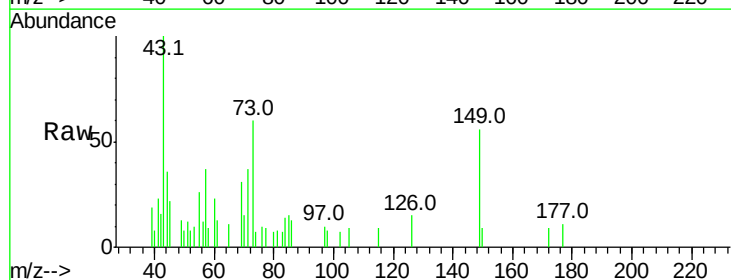


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

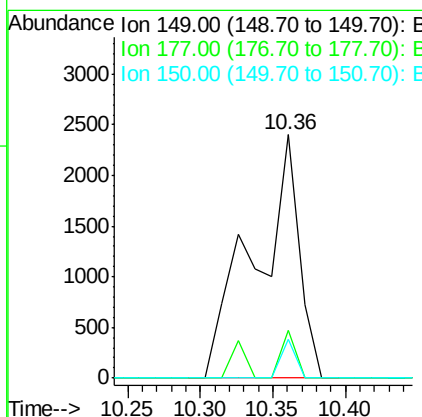
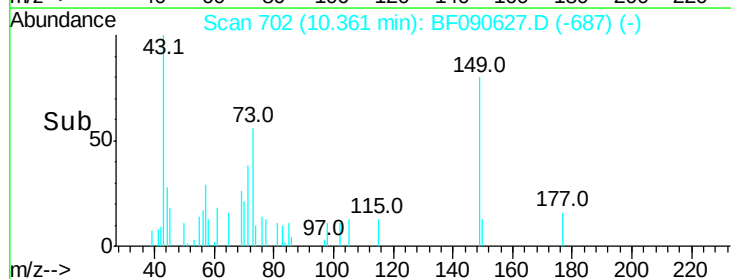


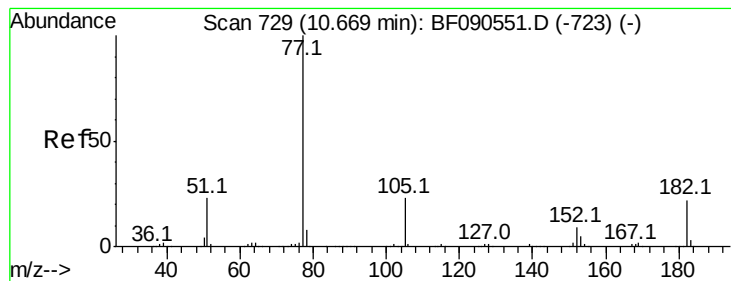
#59
Diethylphthalate
Concen: 0.18 ng
RT: 10.36 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion:149 Resp: 5045
Ion Ratio Lower Upper
149 100
177 19.6 15.3 22.9
150 15.9 10.3 15.5#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.05 ng

RT: 10.62 min Scan# 725

Delta R.T. -0.03 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

Tot Ion: 77 Resp: 1710

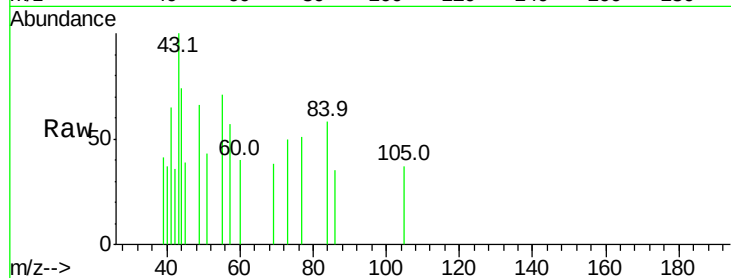
Ion Ratio Lower Upper

77 100

182 0.0 2.2 42.2#

105 73.7 3.5 43.5#

51 84.9 3.7 43.7#

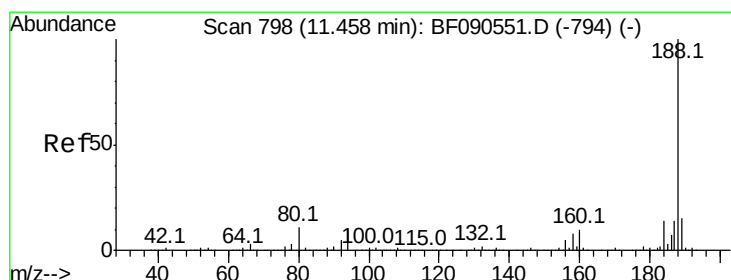
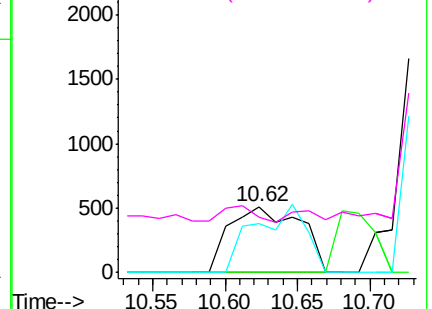
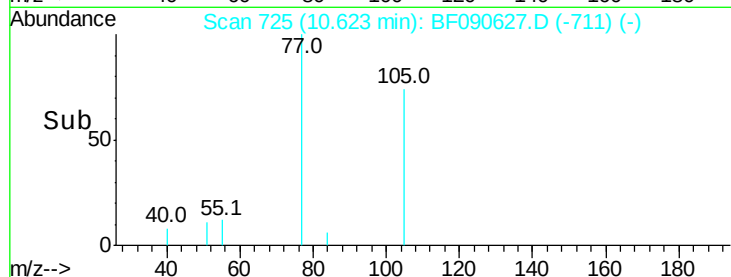


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

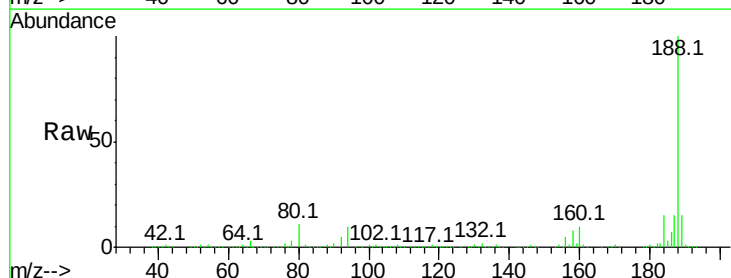
Tgt Ion: 188 Resp: 663486

Ion Ratio Lower Upper

188 100

94 9.9 7.7 11.5

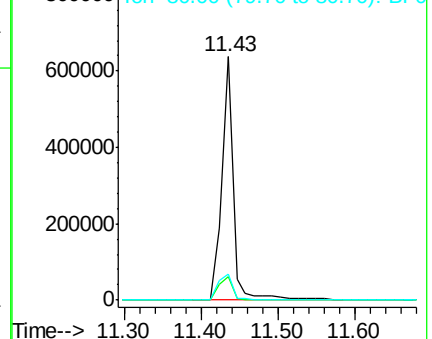
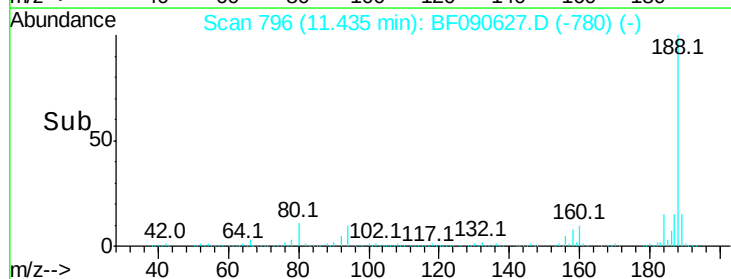
80 10.9 8.6 12.8

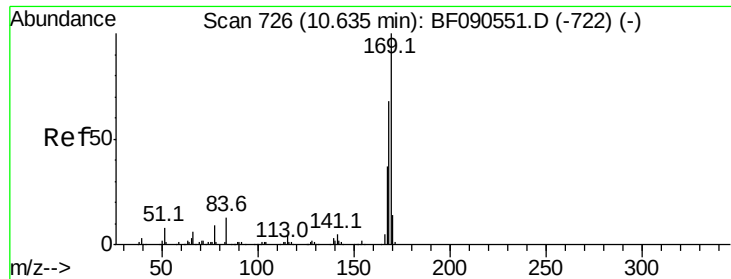


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.84 ng

RT: 10.74 min Scan# 735

Delta R.T. 0.11 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

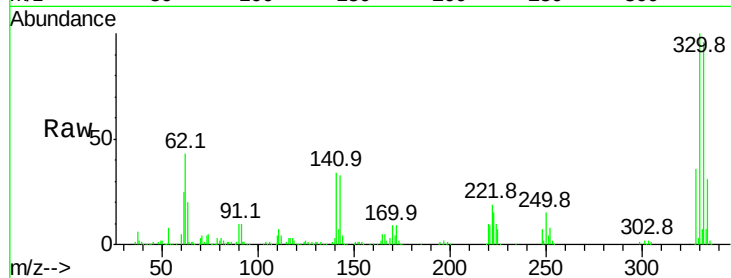
Tot Ion:169 Resp: 18484

Ion Ratio Lower Upper

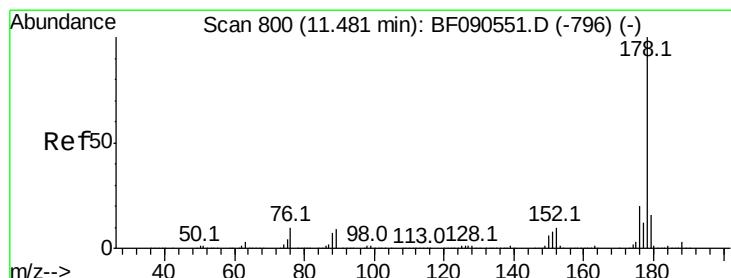
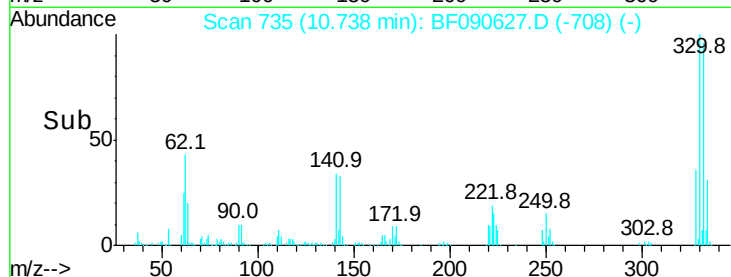
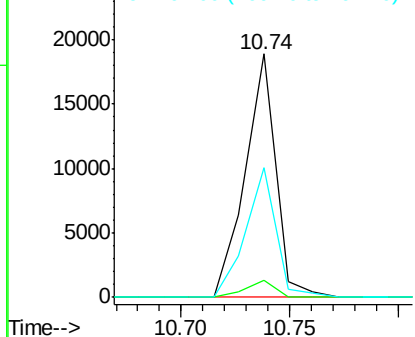
169 100

168 7.2 54.6 81.8#

167 53.5 29.8 44.8#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 0.06 ng

RT: 11.45 min Scan# 797

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

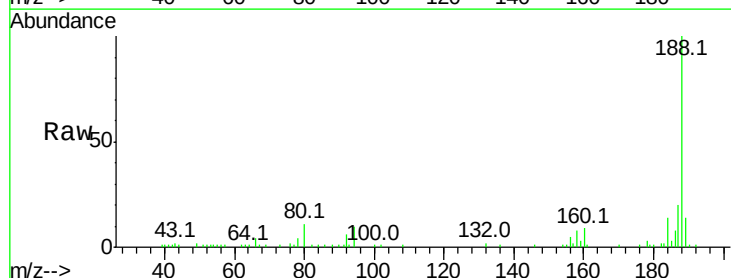
Tgt Ion:178 Resp: 2104

Ion Ratio Lower Upper

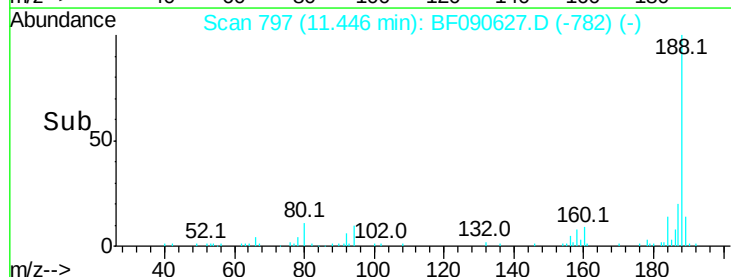
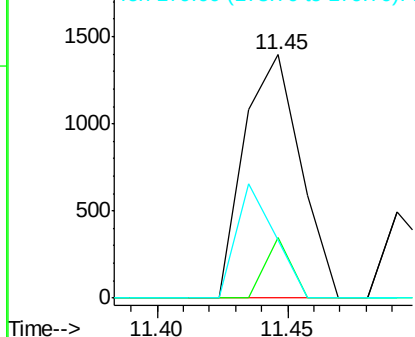
178 100

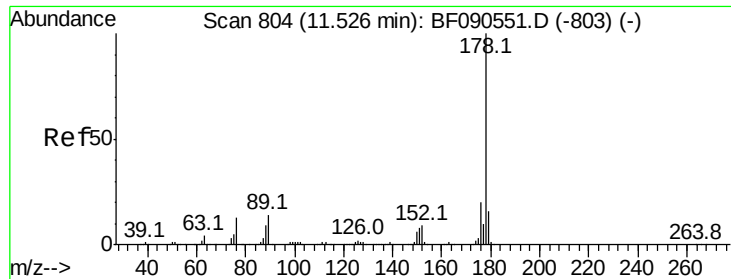
176 24.8 16.1 24.1#

179 23.9 12.6 19.0#



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: 0.01 ng

RT: 11.49 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

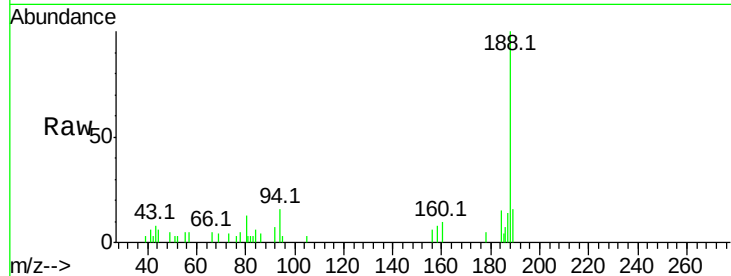
Tot Ion:178 Resp: 545

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

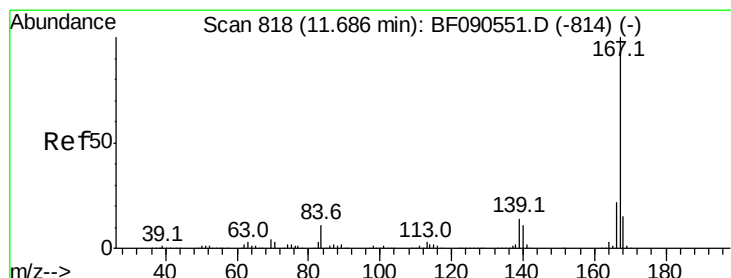
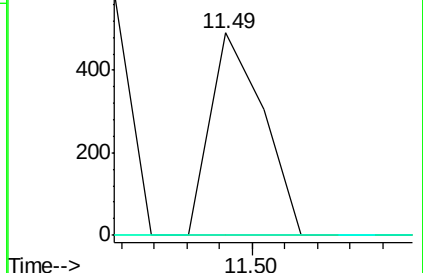
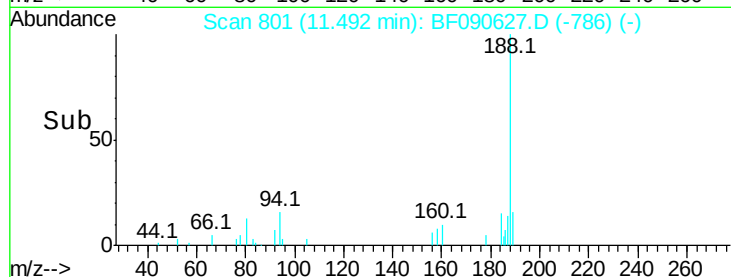
179 0.0 13.0 19.4#



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: 0.02 ng

RT: 11.66 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

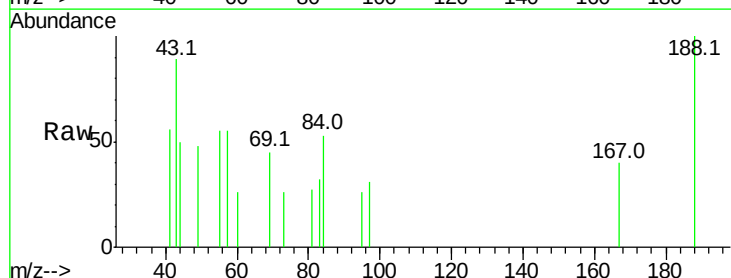
Tgt Ion:167 Resp: 830

Ion Ratio Lower Upper

167 100

166 0.0 17.8 26.8#

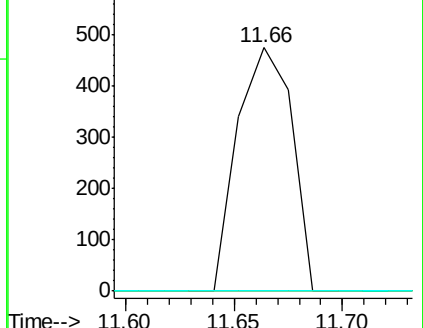
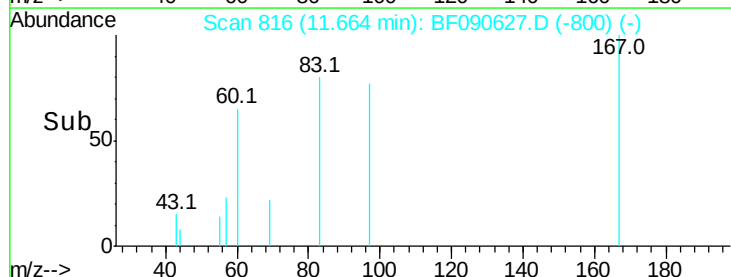
139 0.0 11.3 16.9#

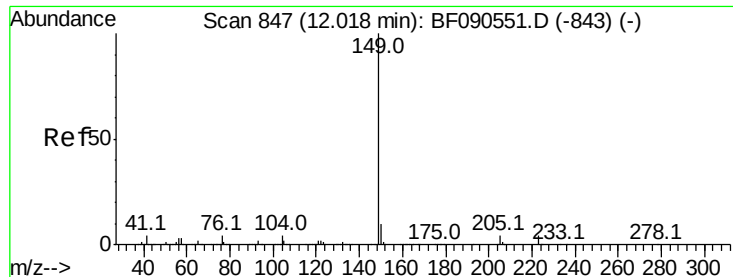


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.25 ng

RT: 11.98 min Scan# 844

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

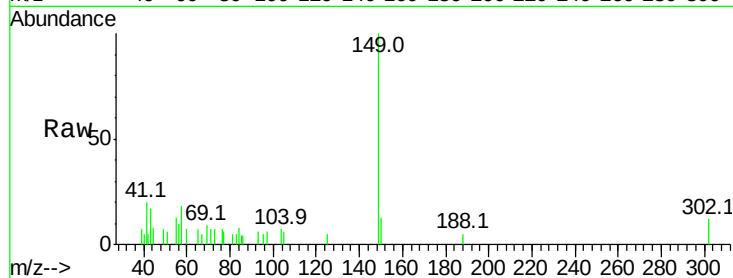
Tot Ion:149 Resp: 10122

Ion Ratio Lower Upper

149 100

150 13.1 7.8 11.6#

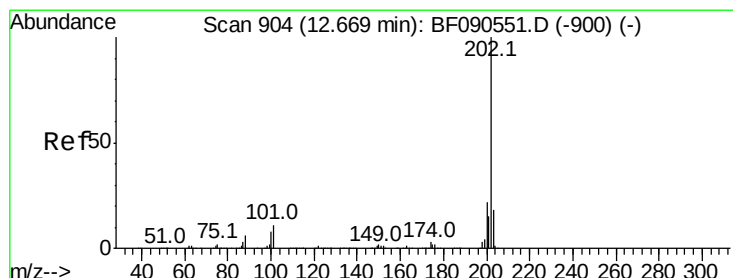
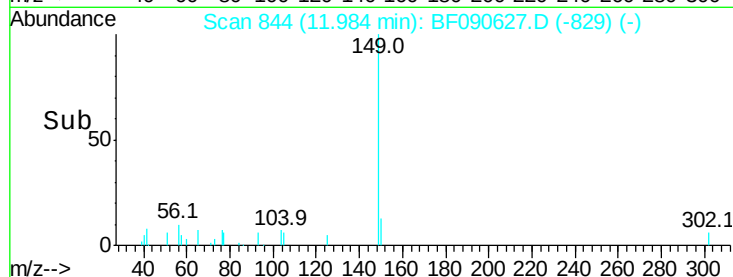
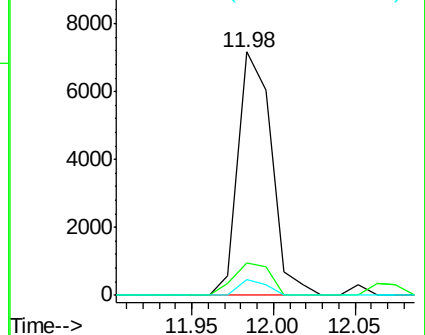
104 6.5 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.04 ng

RT: 12.64 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

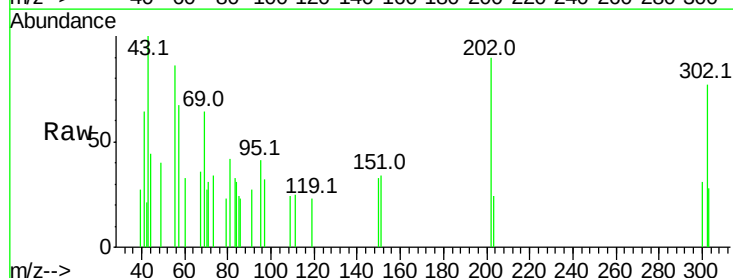
Tgt Ion:202 Resp: 1503

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.1

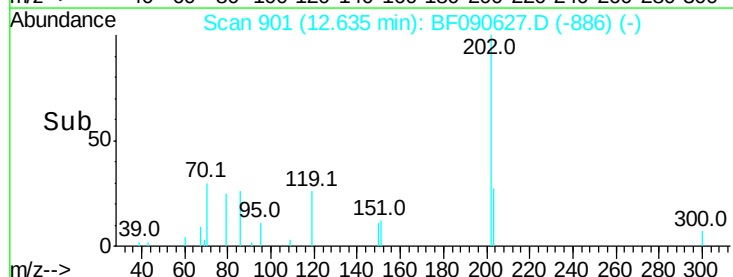
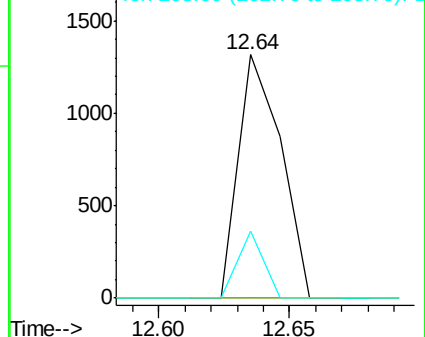
203 27.3 0.0 38.0

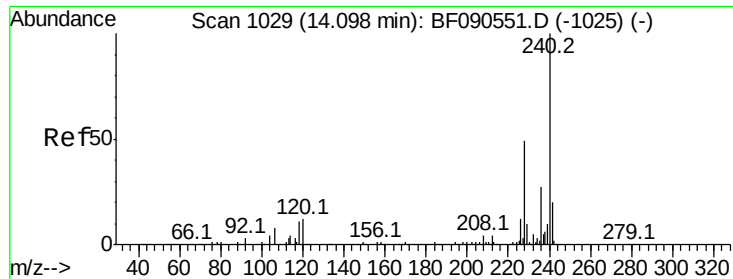


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleID :

PB94148BL

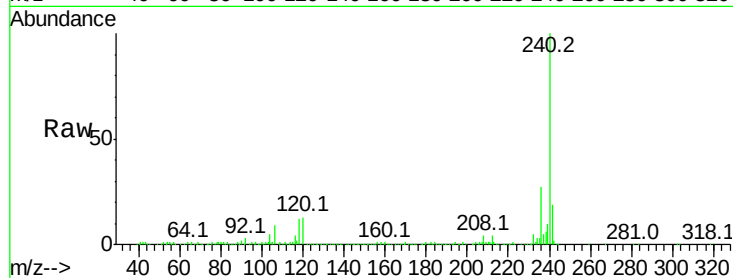
Tot Ion:240 Resp: 441021

Ion Ratio Lower Upper

240 100

120 13.2 9.8 14.8

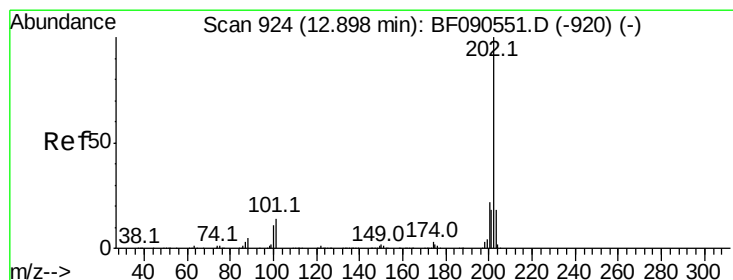
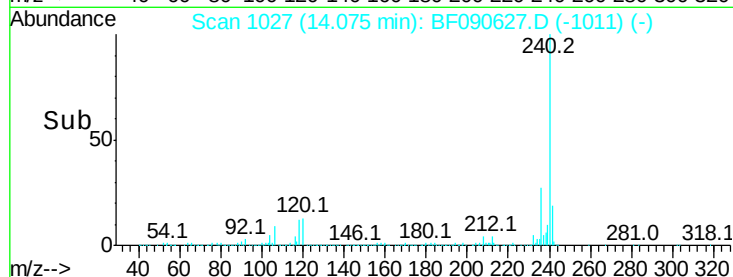
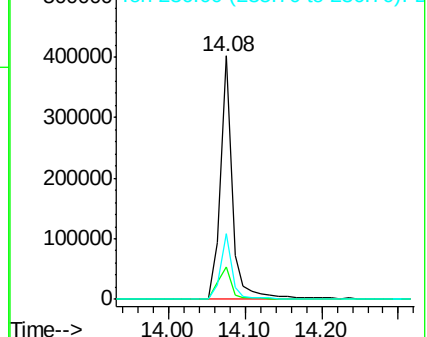
236 27.0 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 0.05 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

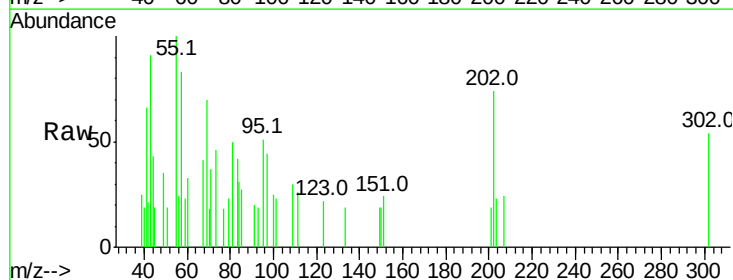
Tgt Ion:202 Resp: 1411

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

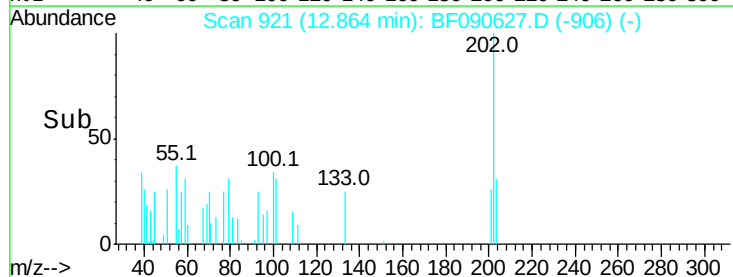
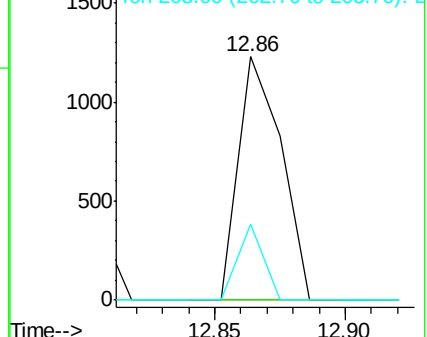
203 31.4 14.6 21.8#

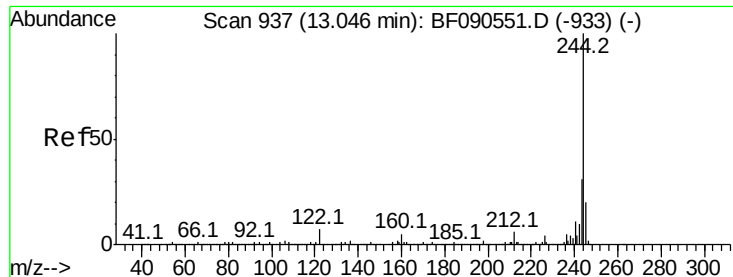


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 111.84 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

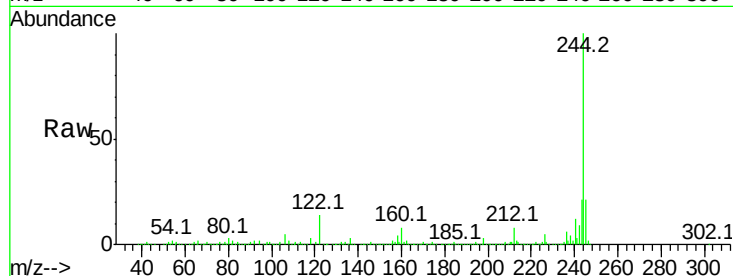
Tot Ion:244 Resp: 2118375

Ion Ratio Lower Upper

244 100

212 7.8 5.0 7.4#

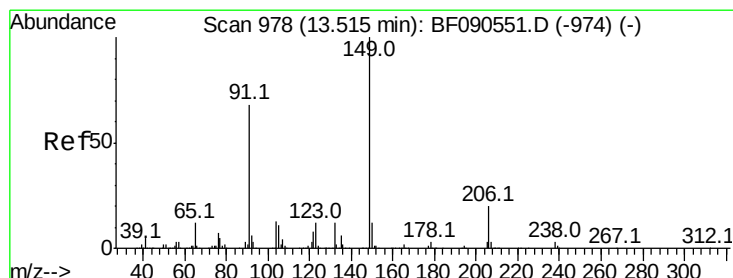
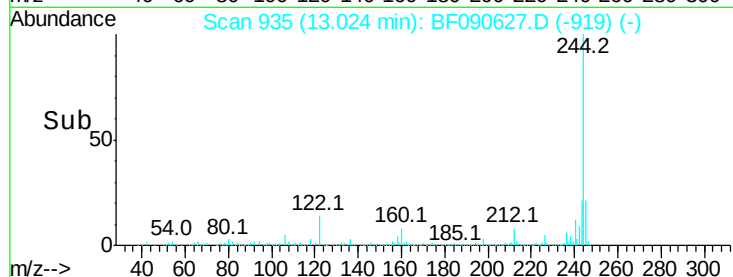
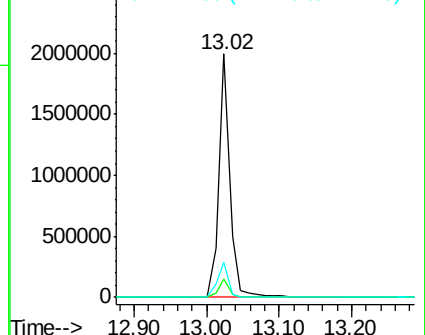
122 14.2 5.6 8.4#



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



#79

Butylbenzylphthalate

Concen: 0.08 ng

RT: 13.49 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

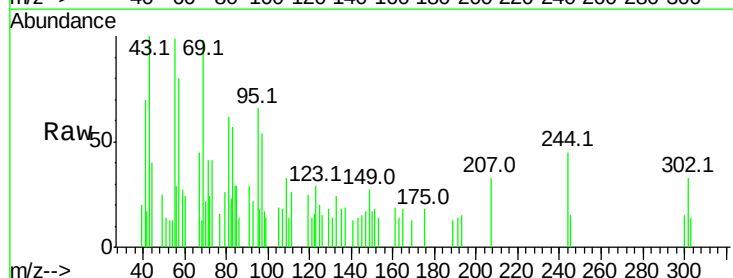
Tgt Ion:149 Resp: 977

Ion Ratio Lower Upper

149 100

91 104.4 54.3 81.5#

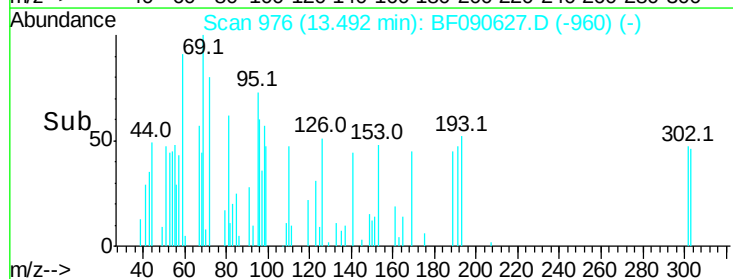
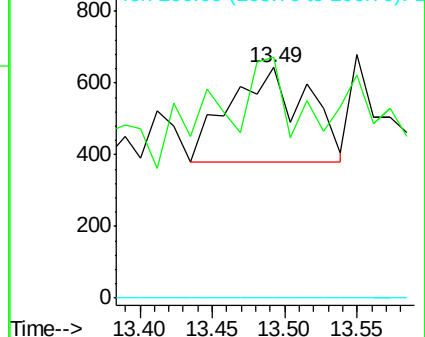
206 0.0 15.8 23.6#

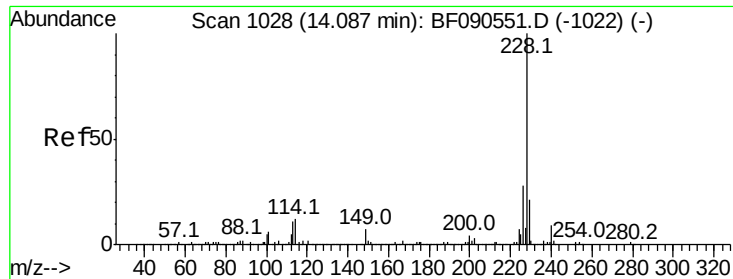


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

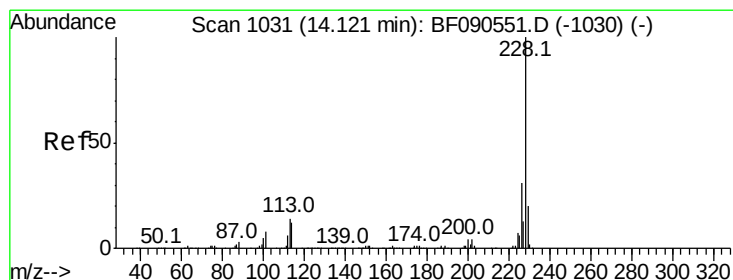
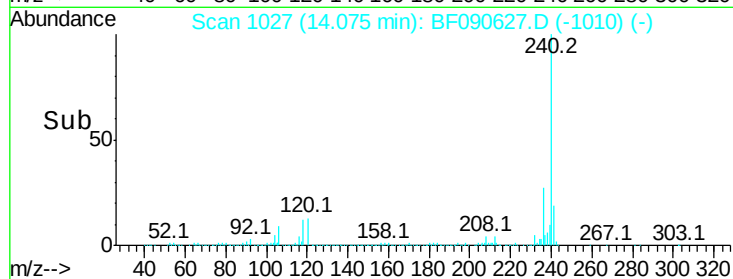
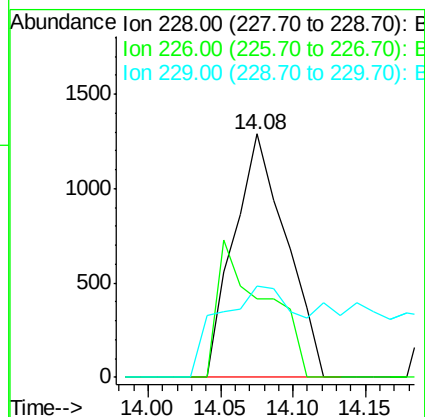
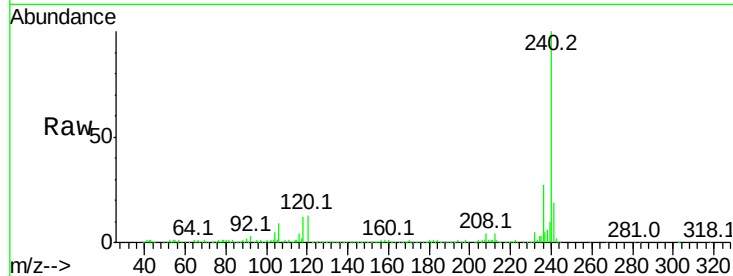




#80
Benzo(a)anthracene
Concen: 0.13 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

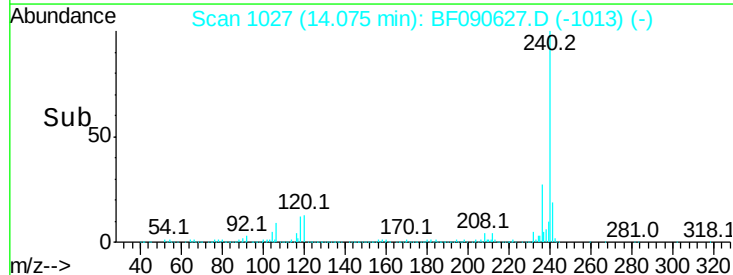
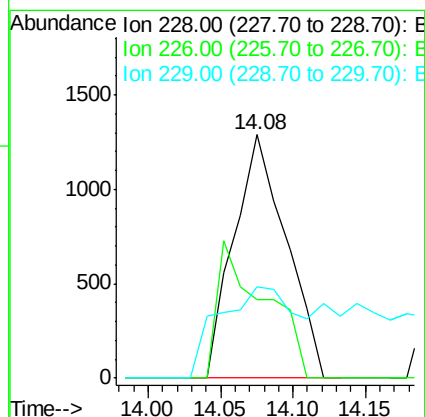
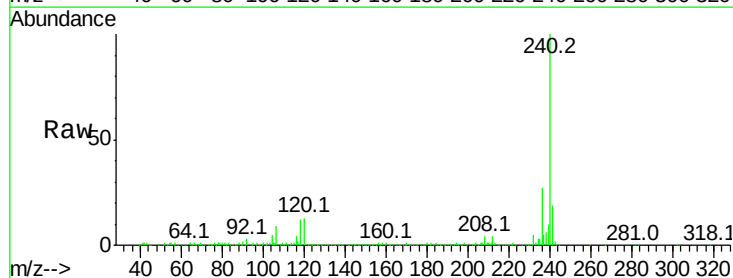
Instrument :
BNA_F
ClientSampleId :
PB94148BL

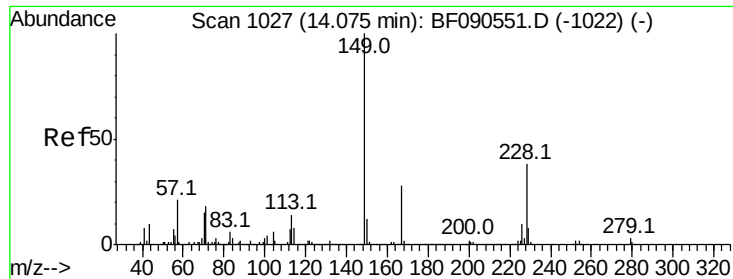
Tot Ion:228 Resp: 3224
Ion Ratio Lower Upper
228 100
226 32.3 22.8 34.2
229 37.5 16.6 25.0#



#82
Chrysene
Concen: 0.13 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion:228 Resp: 3224
Ion Ratio Lower Upper
228 100
226 32.3 24.8 37.2
229 37.5 16.2 24.4#

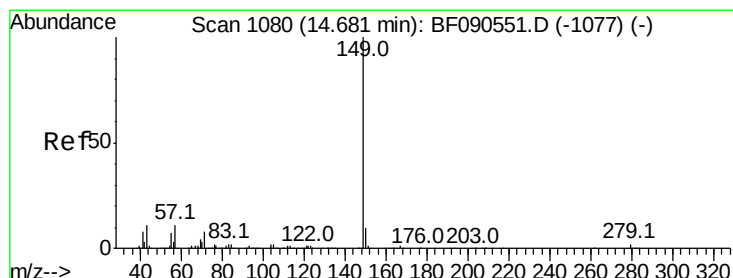
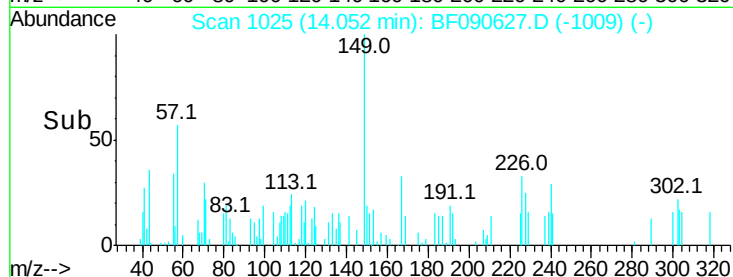
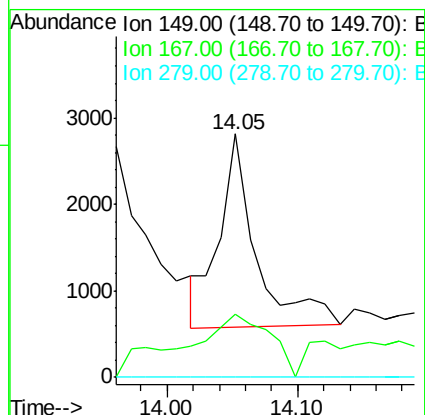
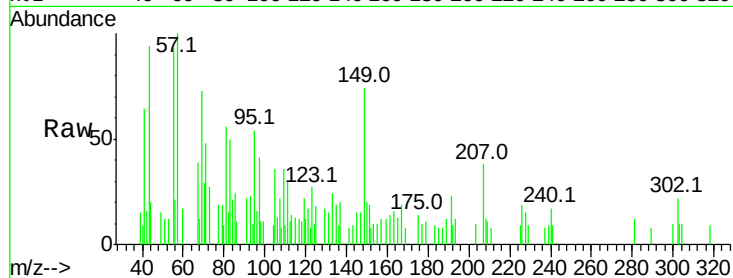




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 14.05 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF090627.D
 Acq: 18 Oct 2016 14:32

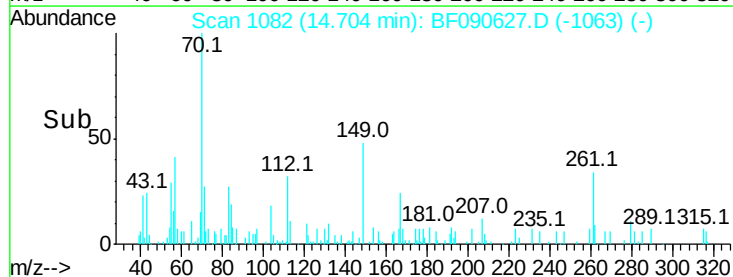
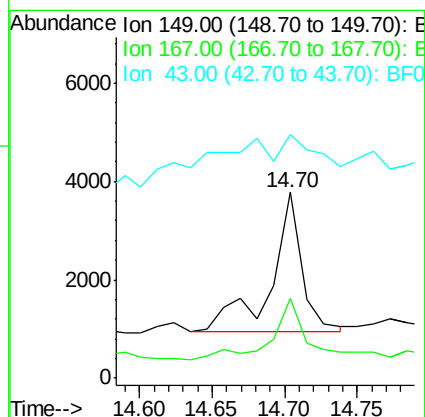
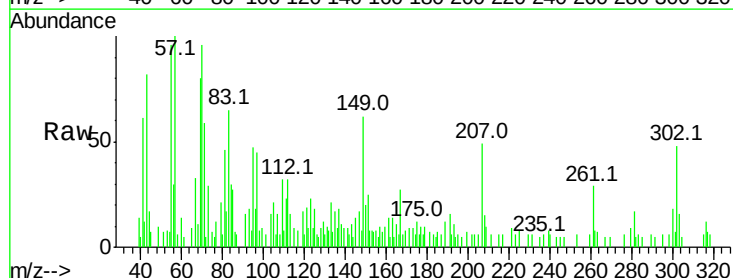
Instrument :
 BNA_F
 ClientSampleId :
 PB94148BL

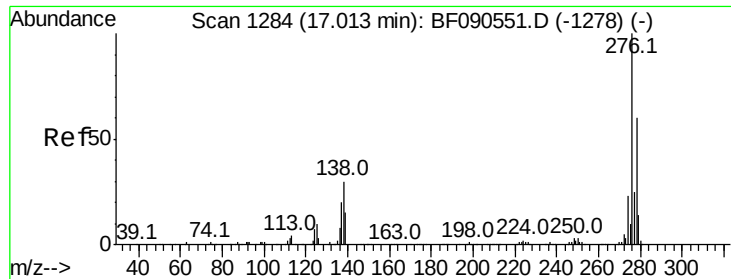
Tot Ion:149 Resp: 4394
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.1 33.1
 279 0.0 2.6 4.0#



#84
 Di-n-octyl phthalate
 Concen: 0.18 ng
 RT: 14.70 min Scan# 1082
 Delta R.T. 0.02 min
 Lab File: BF090627.D
 Acq: 18 Oct 2016 14:32

Tgt Ion:149 Resp: 4284
 Ion Ratio Lower Upper
 149 100
 167 55.1 1.2 1.8#
 43 0.0 6.7 10.1#

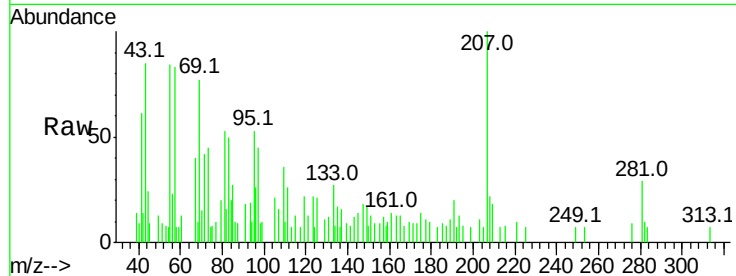




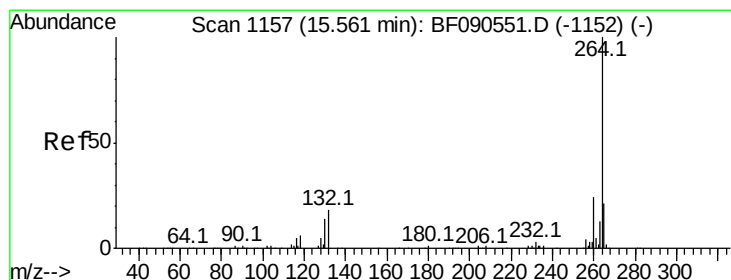
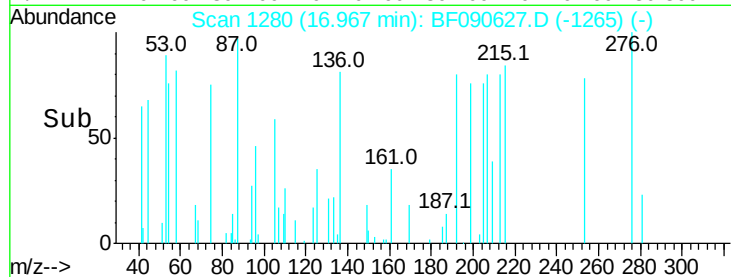
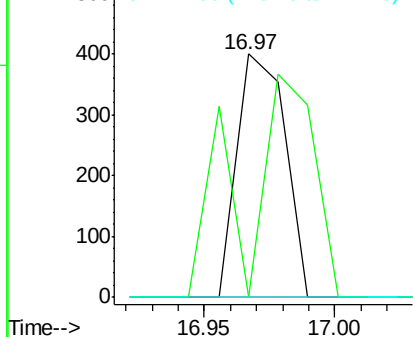
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 16.97 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Instrument :
BNA_F
ClientSampleId :
PB94148BL

Tot Ion:276 Resp: 517
Ion Ratio Lower Upper
276 100
138 132.3 25.8 38.6#
277 0.0 20.1 30.1#

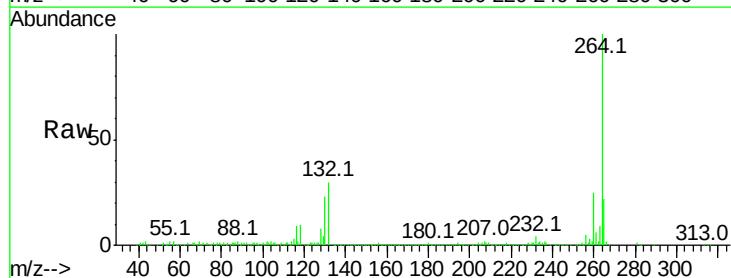


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

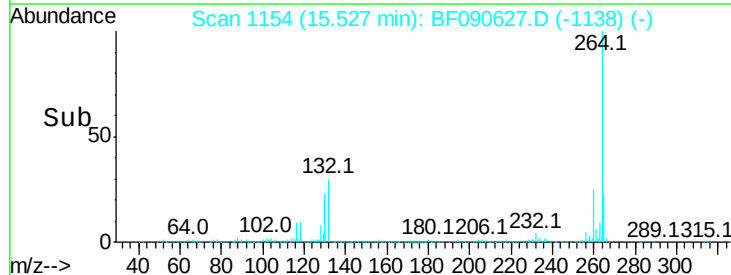
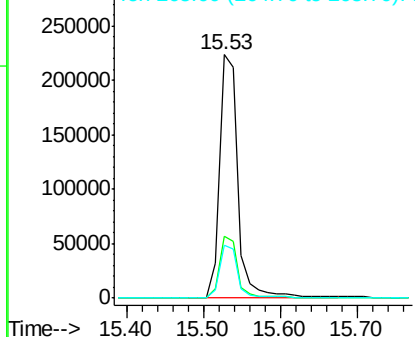


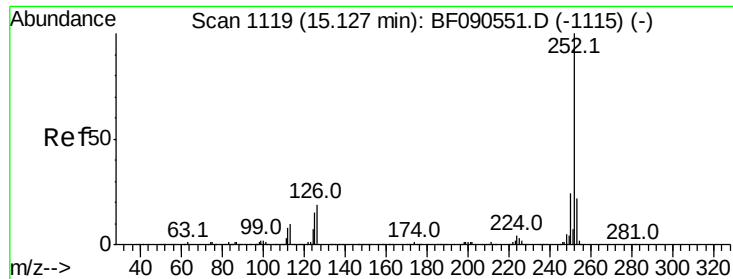
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion:264 Resp: 379219
Ion Ratio Lower Upper
264 100
260 25.4 19.3 28.9
265 21.8 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.12 ng

RT: 15.10 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

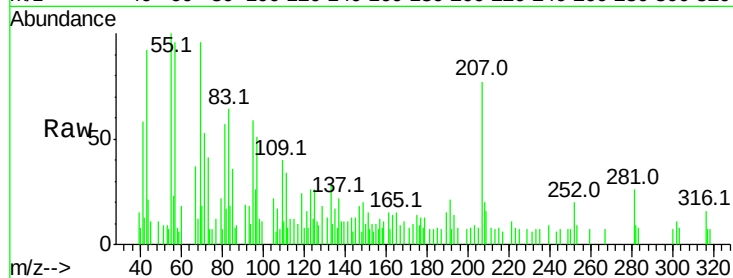
Tot Ion:252 Resp: 2902

Ion Ratio Lower Upper

252 100

253 43.9 17.8 26.8#

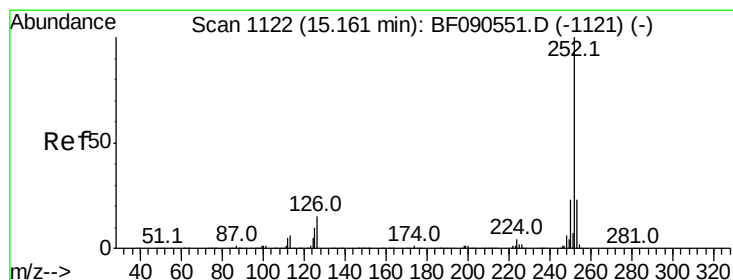
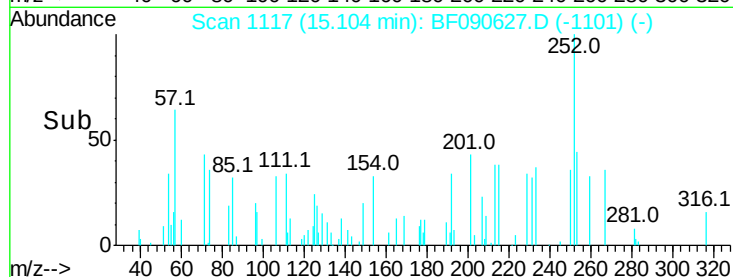
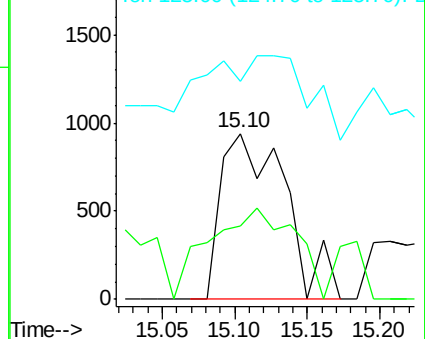
125 131.9 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 15.10 min Scan# 1117

Delta R.T. -0.05 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

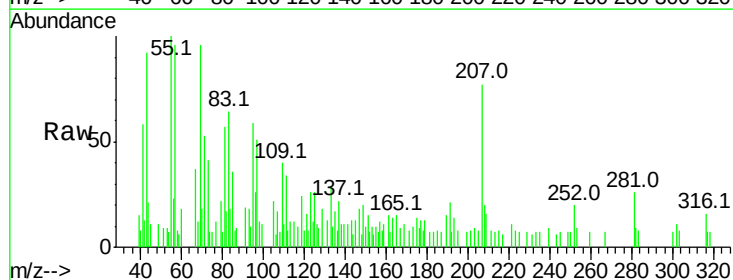
Tgt Ion:252 Resp: 2902

Ion Ratio Lower Upper

252 100

253 43.9 18.0 27.0#

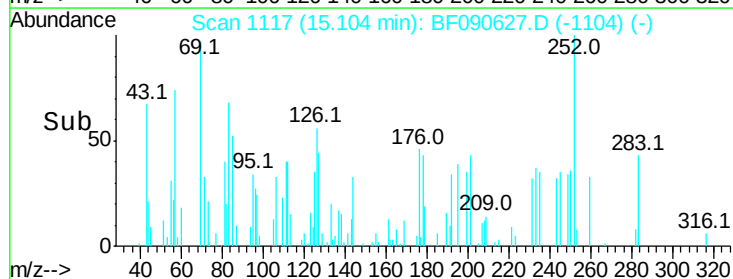
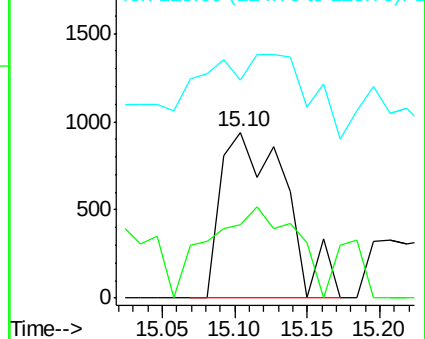
125 131.9 10.0 15.0#

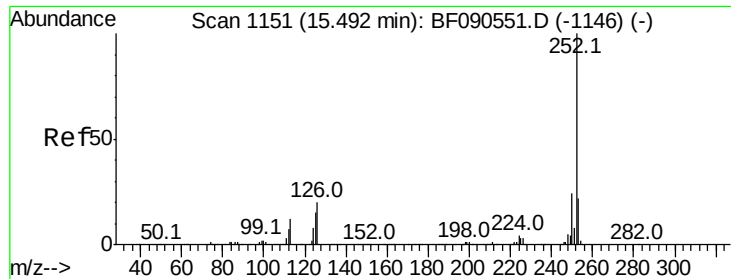


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

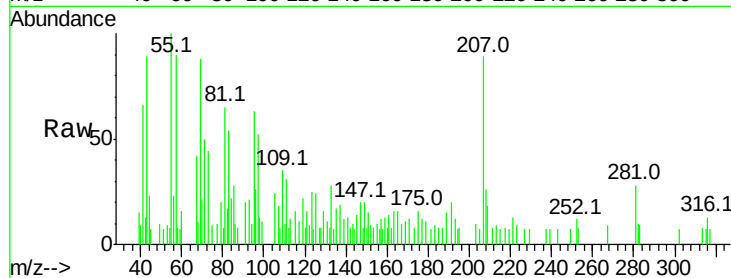




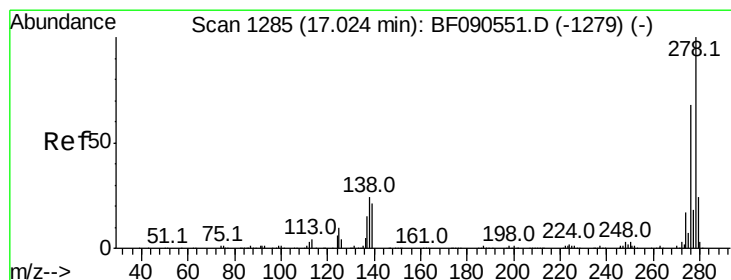
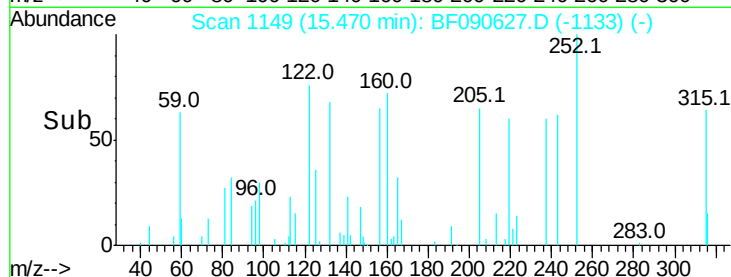
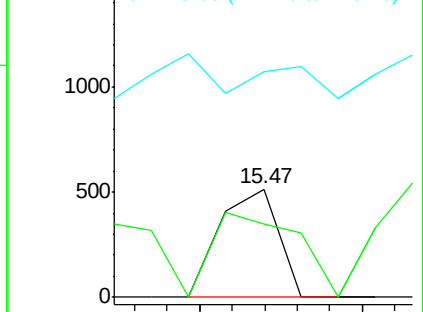
#89
Benzo(a)pyrene
Concen: 0.03 ng
RT: 15.47 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Instrument :
BNA_F
ClientSampleId :
PB94148BL

Tot Ion:252 Resp: 632
Ion Ratio Lower Upper
252 100
253 67.4 17.9 26.9#
125 209.2 12.3 18.5#

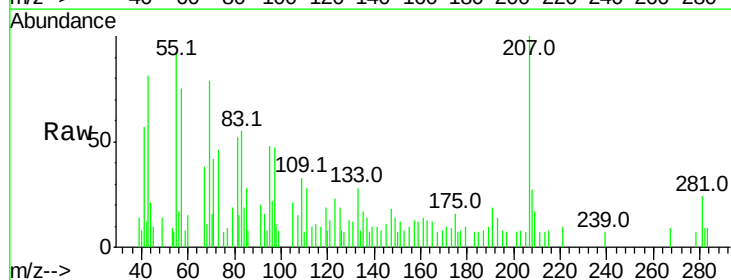


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

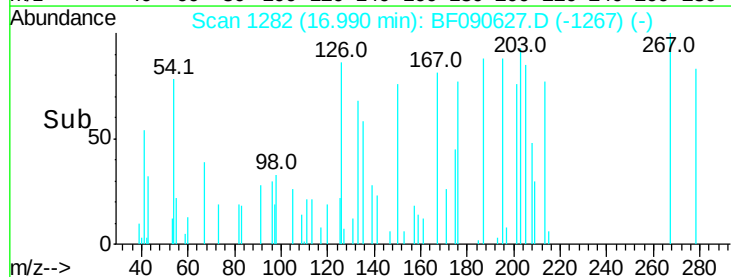
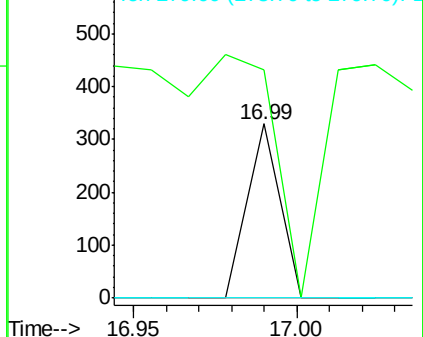


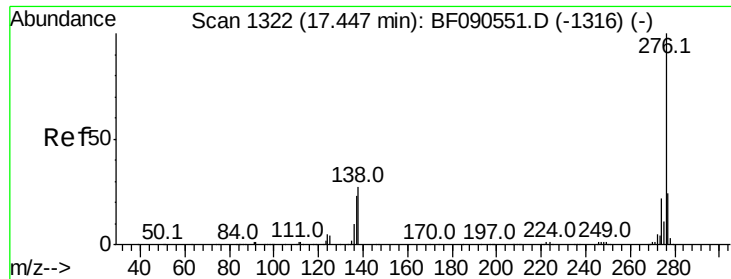
#90
Dibenzo(a,h)anthracene
Concen: 0.01 ng
RT: 16.99 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF090627.D
Acq: 18 Oct 2016 14:32

Tgt Ion:278 Resp: 226
Ion Ratio Lower Upper
278 100
139 131.0 16.6 25.0#
279 0.0 19.1 28.7#



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(a,h,i)perylene

Concen: 0.03 ng

RT: 17.41 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF090627.D

Acq: 18 Oct 2016 14:32

Instrument :

BNA_F

ClientSampleId :

PB94148BL

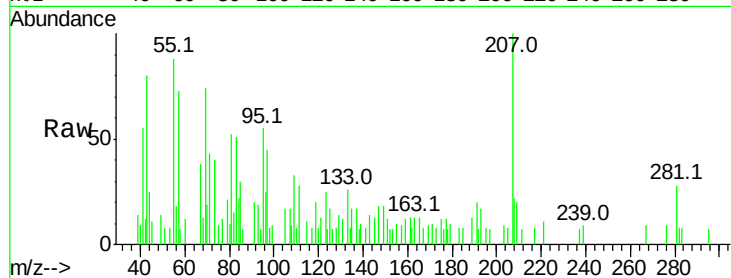
Tot Ion:276 Resp: 486

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 81.0 21.8 32.8#



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

