

Data Path : Z:\HPCHEM1\BNA_E\Data\BE070516\
 Data File : BE091967.D
 Acq On : 5 Jul 2016 15:55
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE070516

Quant Time: Jul 05 16:49:55 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	19608	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	91742	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	67843	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	148759	5.00	ng	0.00
31) Chrysene-d12	21.76	240	236402	5.00	ng	0.00
40) Perylene-d12	24.17	264	191235	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	1787	0.38	ng	0.00
5) Phenol-d6	7.37	99	2474	0.38	ng	0.00
9) Nitrobenzene-d5	9.37	82	2421	0.39	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	697	0.42	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7273	0.44	ng	0.00
34) Terphenyl-d14	20.22	244	12344	0.44	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	1155	0.43	ng	99
3) n-Nitrosodimethylamine	3.82	42	1146	0.37	ng	# 88
6) bis(2-Chloroethyl)ether	7.61	93	2321	0.41	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	2082	0.38	ng	# 96
10) Nitrobenzene	9.42	77	2552	0.38	ng	# 99
11) bis(2-Chloroethoxy)methane	10.45	93	3069	0.40	ng	# 24
12) Naphthalene	11.04	128	8814	0.41	ng	97
13) Hexachlorobutadiene	11.34	225	1361	0.42	ng	98
14) 2-Methylnaphthalene	12.68	142	5690	0.41	ng	98
18) Acenaphthylene	14.56	152	34465	0.40	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	4649	0.36	ng	# 45
20) Acenaphthene	14.92	154	8124	0.44	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	8592	0.60	ng	# 1
22) Fluorene	15.90	166	8525	0.44	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	4432	0.45	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	2658	0.41	ng	98
26) Hexachlorobenzene	16.90	284	2705	0.42	ng	100
27) Pentachlorophenol	17.26	266	559	0.36	ng	92
28) Phenanthrene	17.64	178	16413	0.42	ng	100
29) Anthracene	17.73	178	14728	0.41	ng	100
30) Fluoranthene	19.65	202	70902	0.43	ng	# 87
32) Benzidine	19.83	184	4948	0.47	ng	96
33) Pyrene	20.02	202	70914	0.41	ng	# 80
35) Benzo(a)anthracene	21.79	228	39417	1.00	ng	# 87
36) 3,3'-Dichlorobenzidine	21.70	252	4717	0.40	ng	# 99
37) Chrysene	21.79	228	40016	0.71	ng	98
38) Bis(2-ethylhexyl)phthalate	21.67	149	16936	0.37	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	94721	0.43	ng	98
41) Benzo(b)fluoranthene	23.43	252	21238	0.40	ng	99
42) Benzo(k)fluoranthene	23.48	252	21715	0.43	ng	96
43) Benzo(a)pyrene	24.06	252	20901	0.42	ng	# 95
44) Dibenzo(a,h)anthracene	26.72	278	19179	0.41	ng	97
45) Benzo(g,h,i)perylene	27.49	276	77956	0.41	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

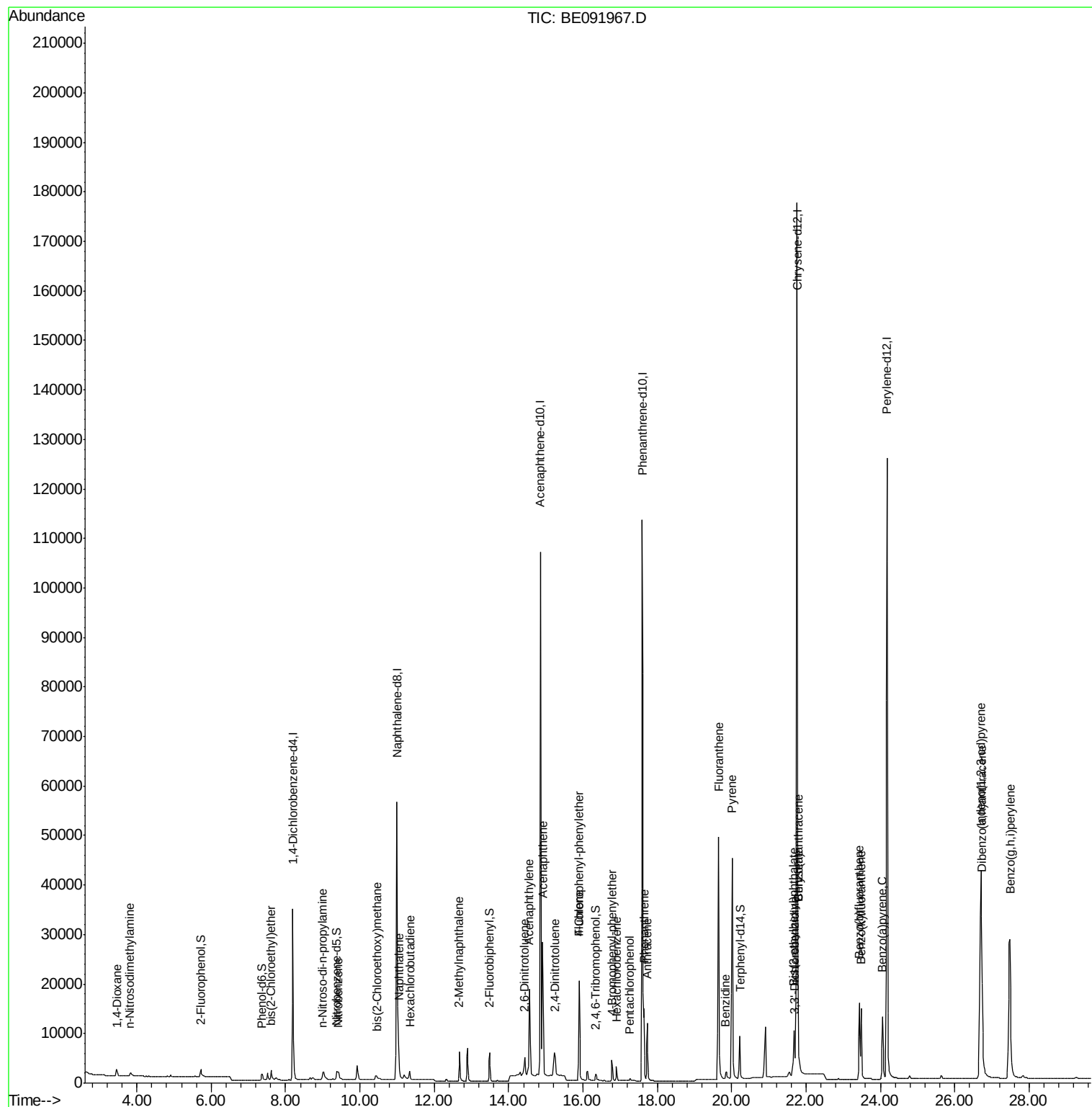
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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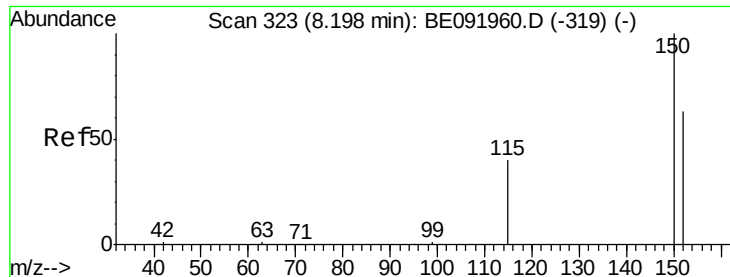
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

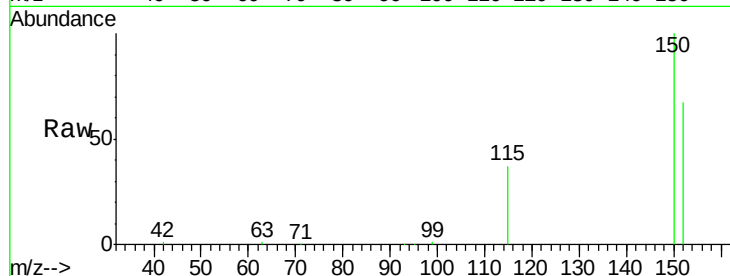
Tgt Ion:152 Resp: 19608

Ion Ratio Lower Upper

152 100

150 148.8 123.9 185.9

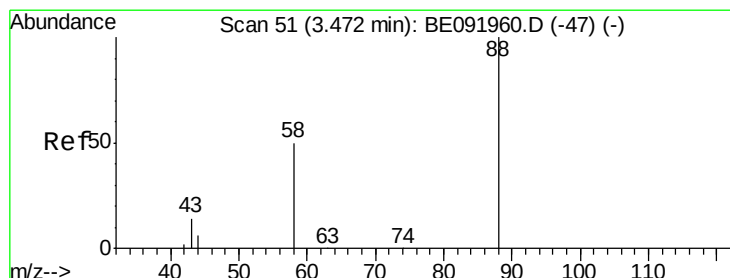
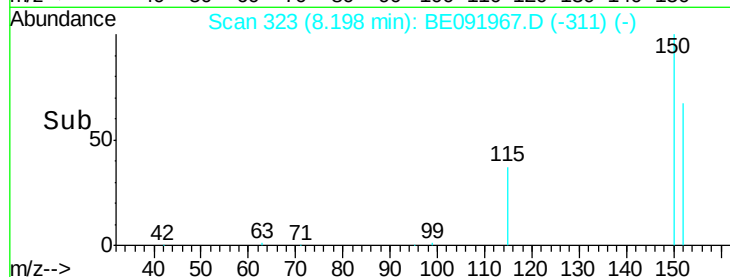
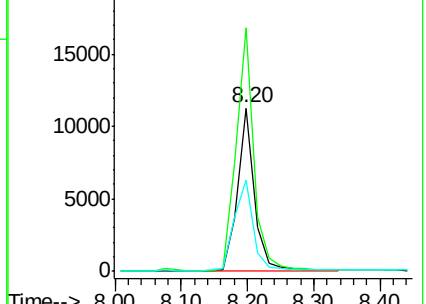
115 55.5 48.3 72.5



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



#2

1,4-Dioxane

Concen: 0.43 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

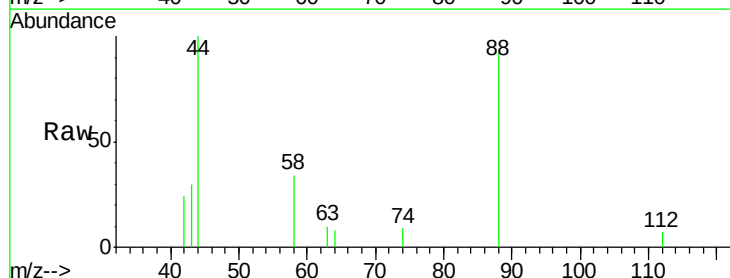
Tgt Ion: 88 Resp: 1155

Ion Ratio Lower Upper

88 100

58 79.0 63.0 94.4

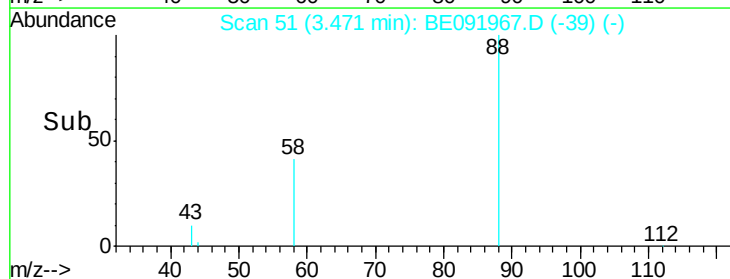
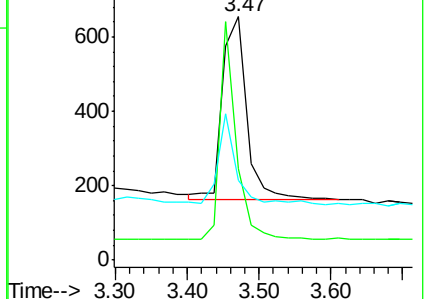
43 38.4 29.1 43.7

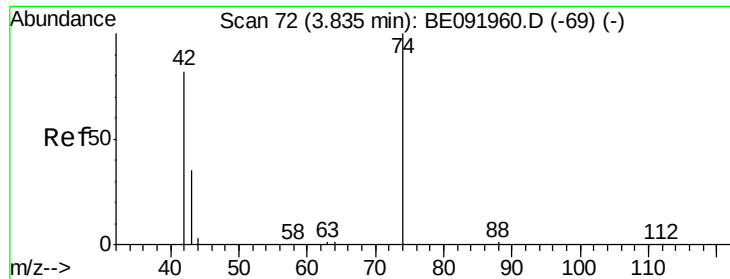


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.37 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

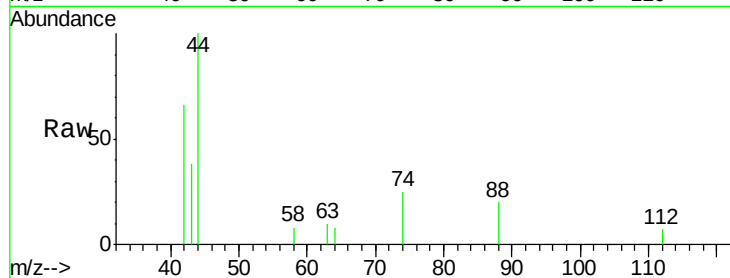
Tgt Ion: 42 Resp: 1146

Ion Ratio Lower Upper

42 100

74 103.4 93.4 140.0

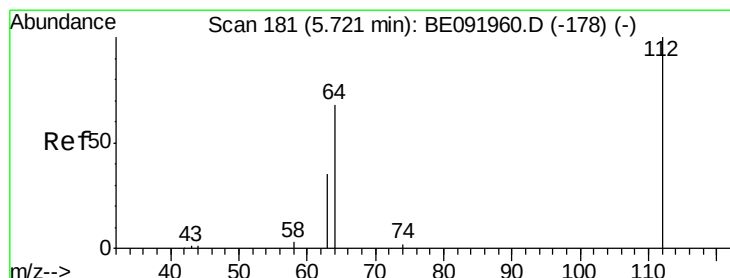
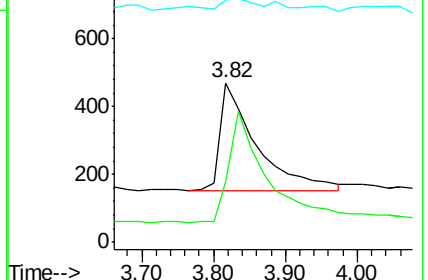
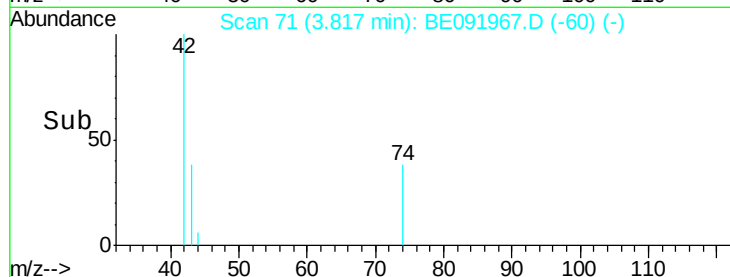
44 11.6 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

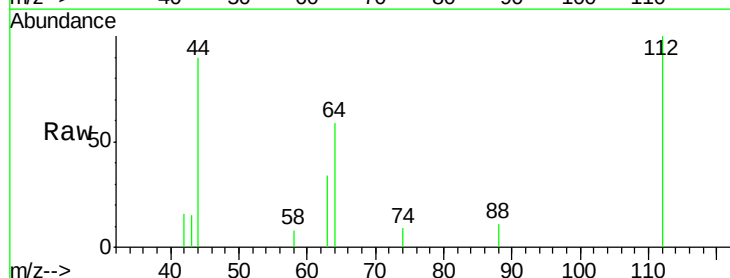
Tgt Ion: 112 Resp: 1787

Ion Ratio Lower Upper

112 100

64 68.6 53.7 80.5

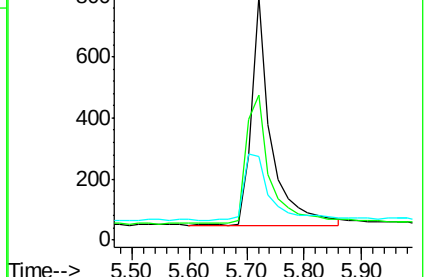
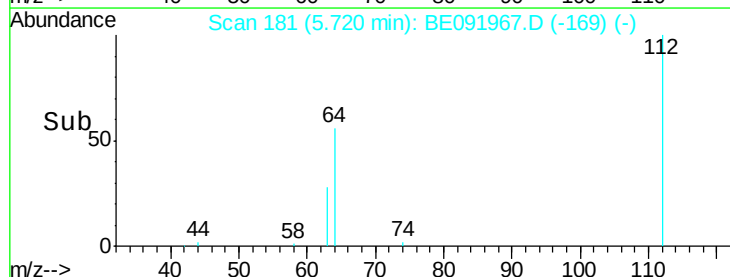
63 37.5 29.5 44.3

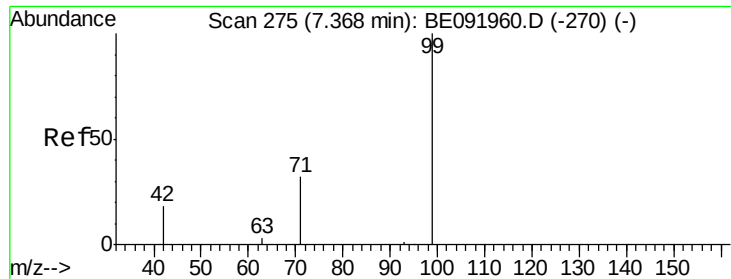


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.38 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

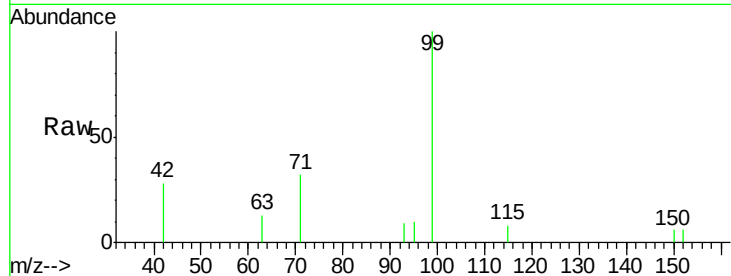
Tgt Ion: 99 Resp: 2474

Ion Ratio Lower Upper

99 100

42 25.1 19.6 29.4

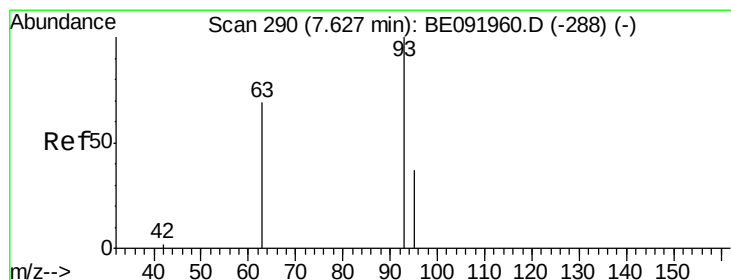
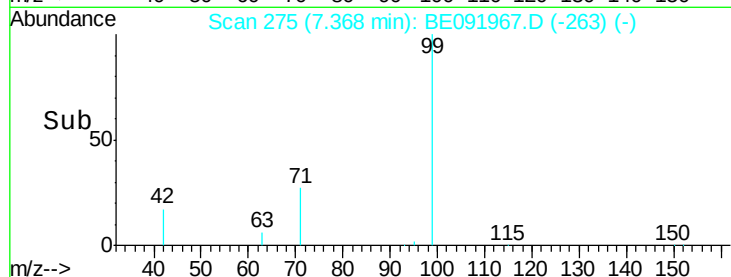
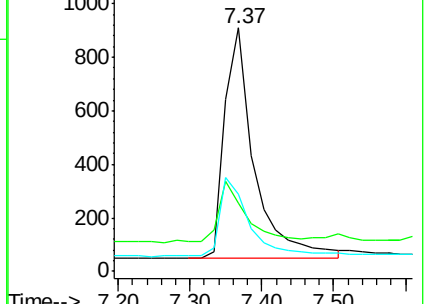
71 34.9 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.41 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

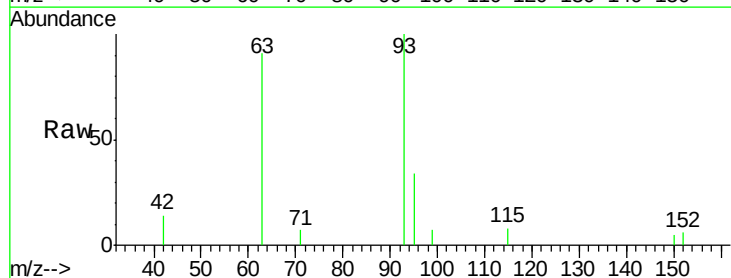
Tgt Ion: 93 Resp: 2321

Ion Ratio Lower Upper

93 100

63 75.3 66.2 99.4

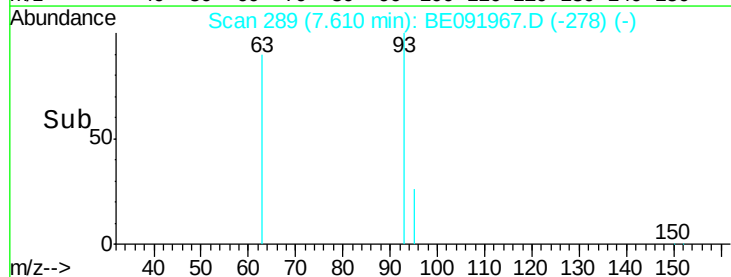
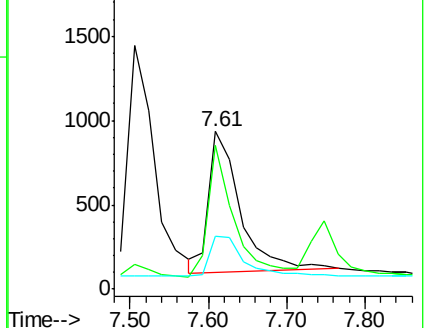
95 31.5 25.5 38.3

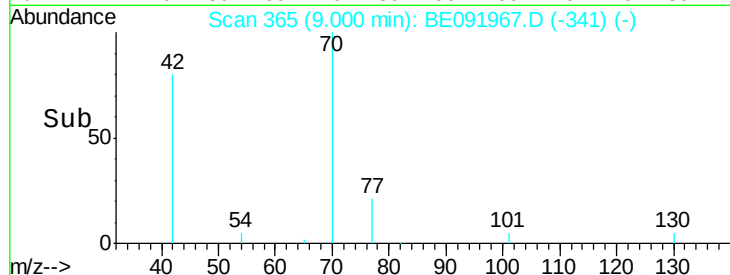
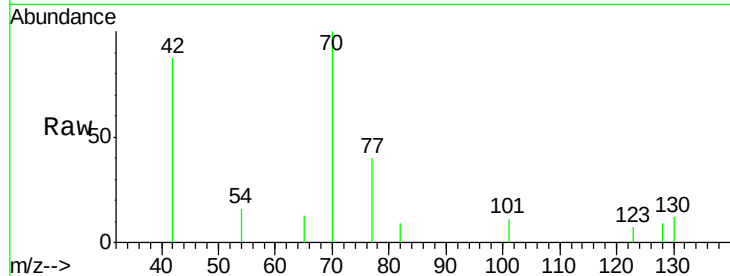
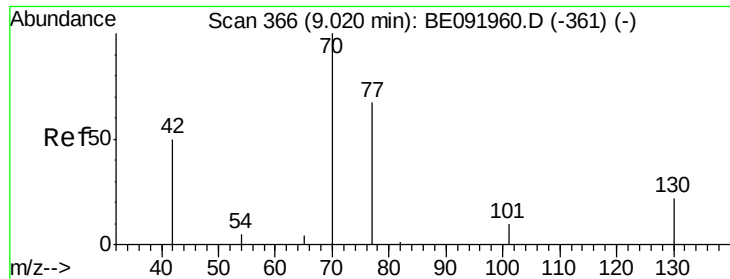


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.38 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

Tgt Ion: 70 Resp: 2082

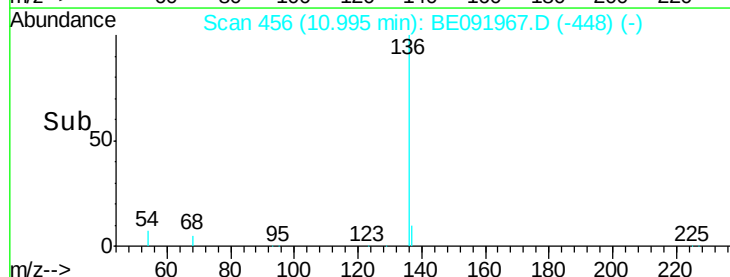
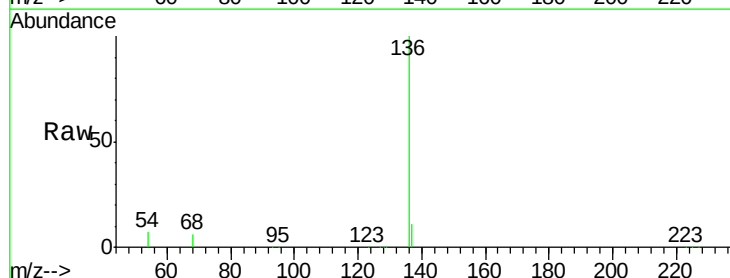
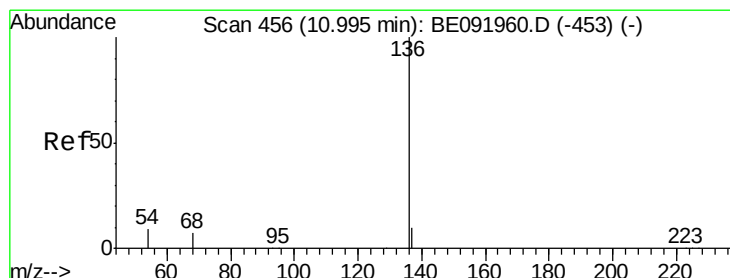
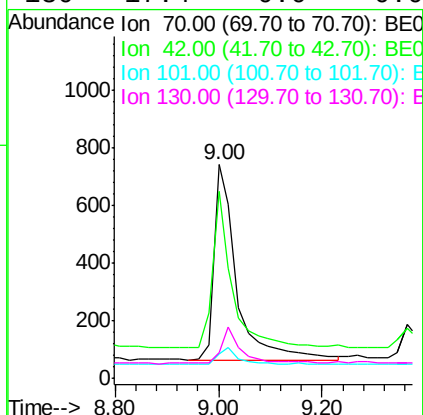
Ion Ratio Lower Upper

70 100

42 69.7 58.4 87.6

101 8.5 6.4 9.6

130 17.4 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Tgt Ion: 136 Resp: 91742

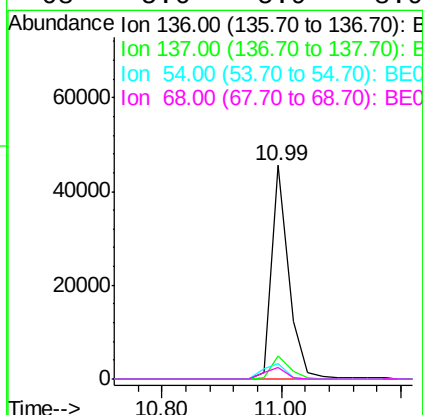
Ion Ratio Lower Upper

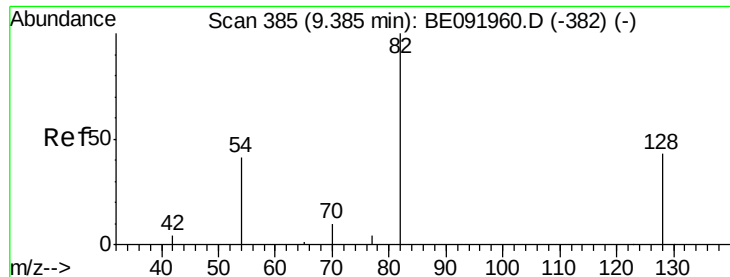
136 100

137 10.5 8.3 12.5

54 7.3 8.2 12.4#

68 5.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

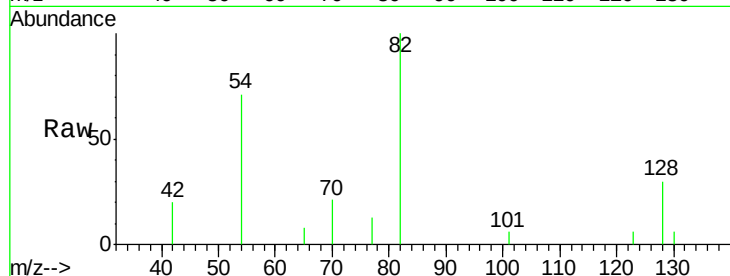
Tgt Ion: 82 Resp: 2421

Ion Ratio Lower Upper

82 100

128 30.0 39.5 59.3#

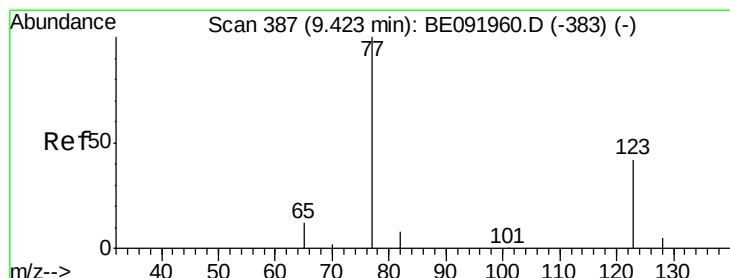
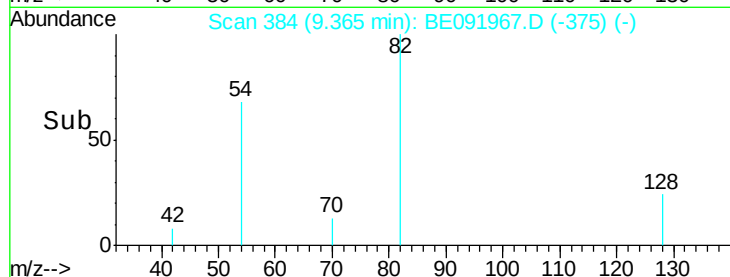
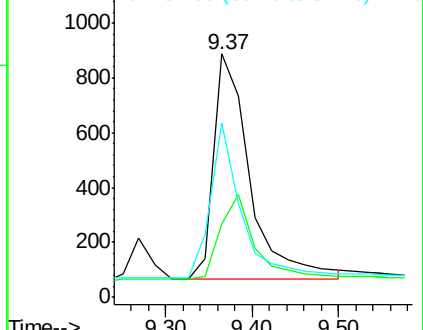
54 71.4 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.38 ng

RT: 9.42 min Scan# 387

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

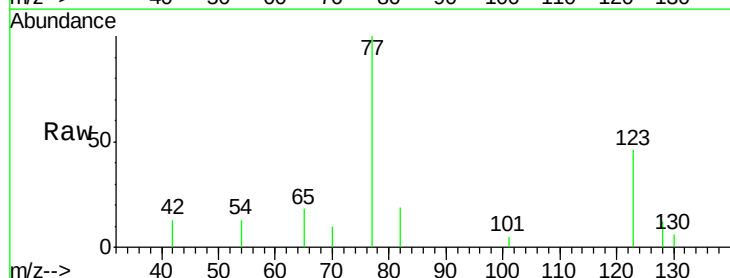
Tgt Ion: 77 Resp: 2552

Ion Ratio Lower Upper

77 100

123 39.6 0.0 0.0#

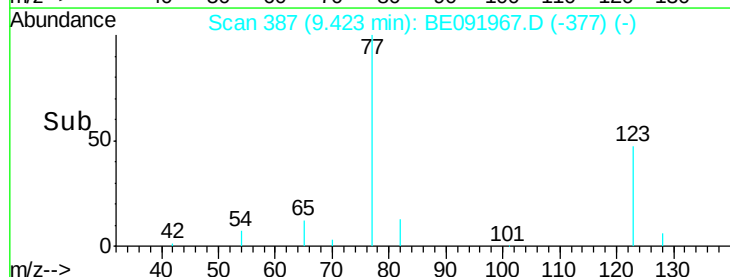
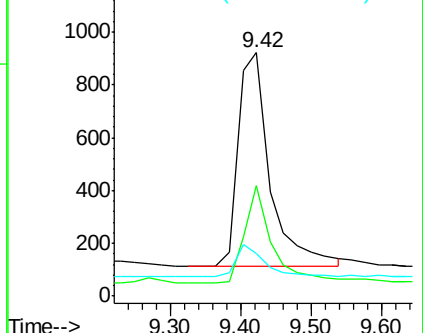
65 14.3 11.1 16.7

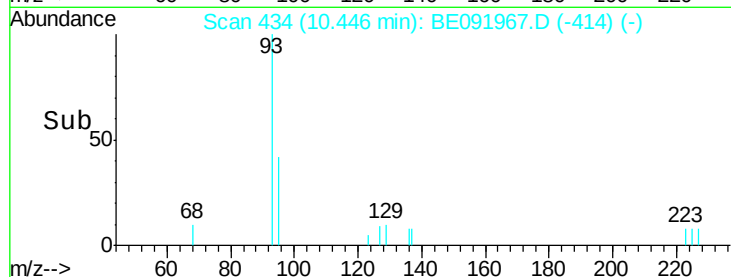
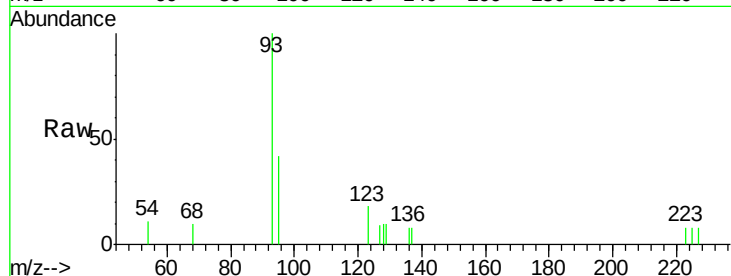
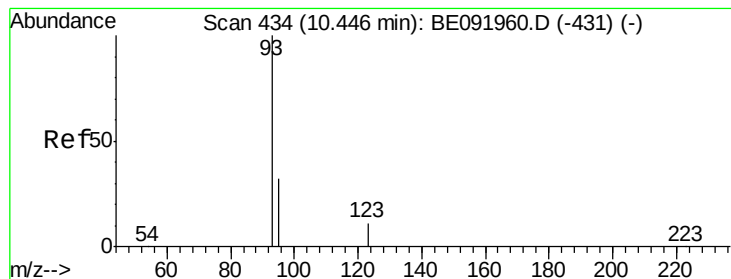


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.40 ng

RT: 10.45 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

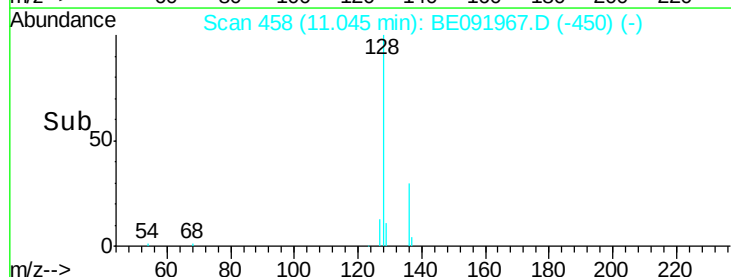
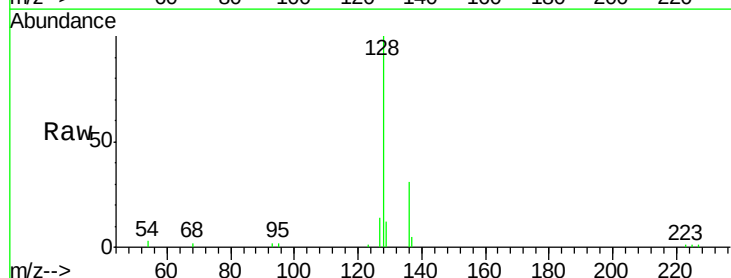
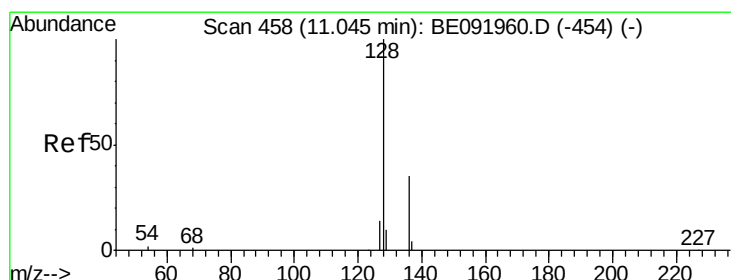
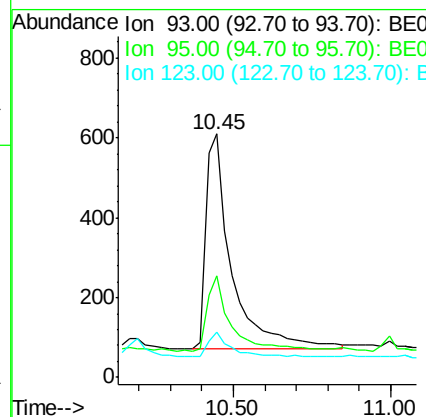
Tgt Ion: 93 Resp: 3069

Ion Ratio Lower Upper

93 100

95 45.9 57.6 86.4#

123 10.0 100.2 150.4#



#12

Naphthalene

Concen: 0.41 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

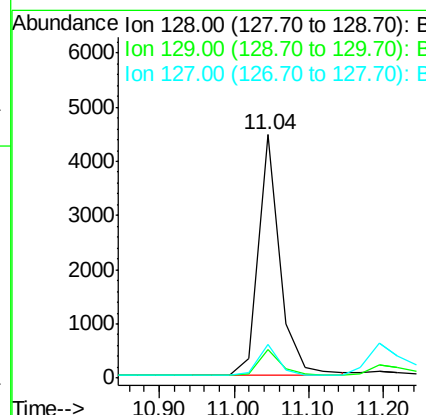
Tgt Ion: 128 Resp: 8814

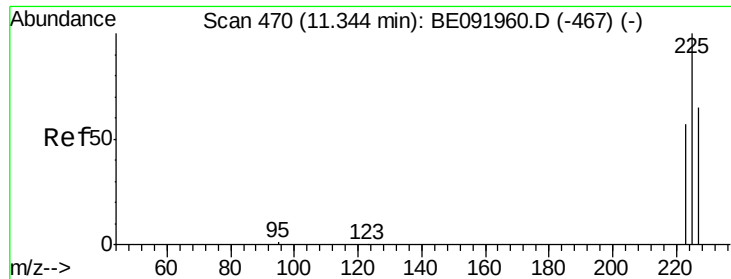
Ion Ratio Lower Upper

128 100

129 11.7 10.4 15.6

127 14.0 10.2 15.2

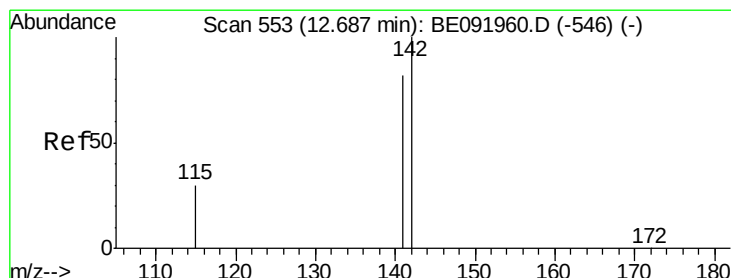
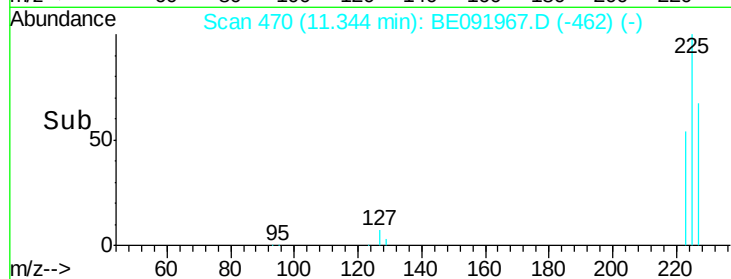
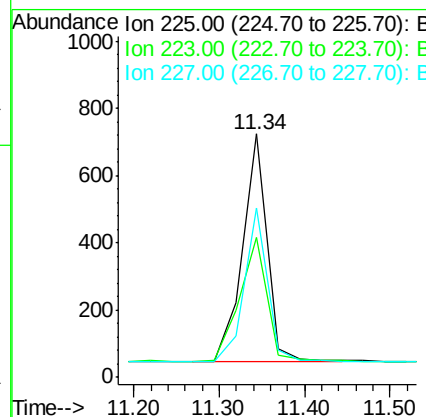
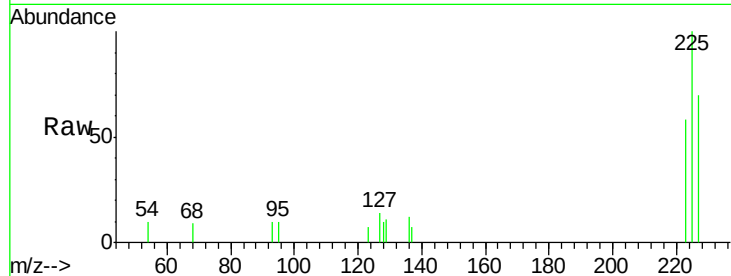




#13
Hexachlorobutadiene
Concen: 0.42 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

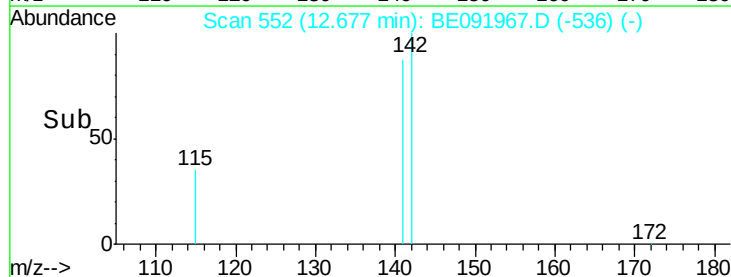
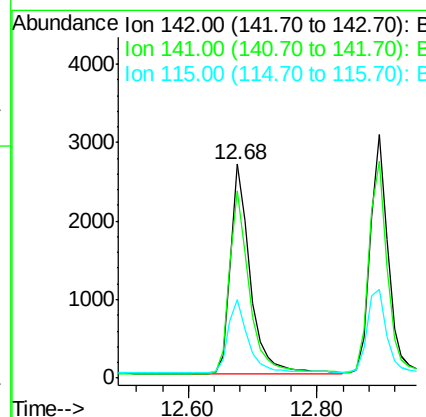
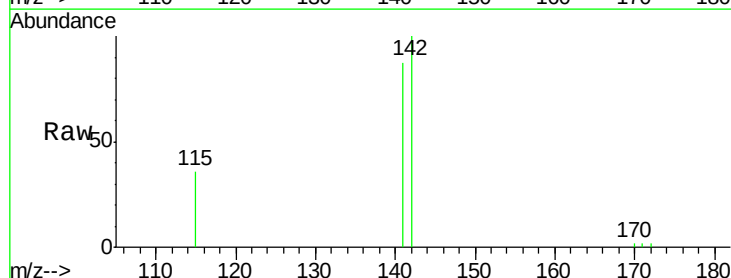
Instrument :
BNA_E
ClientSampleId :
ICVBE070516

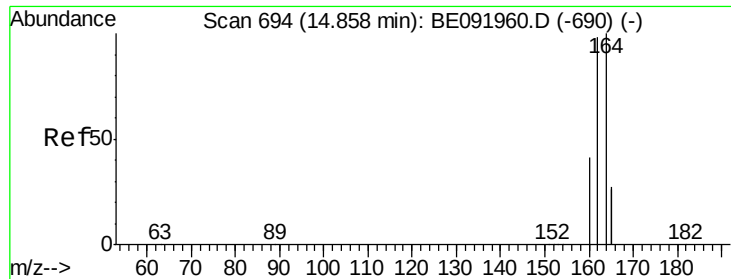
Tgt Ion: 225 Resp: 1361
Ion Ratio Lower Upper
225 100
223 60.5 49.8 74.8
227 64.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

Tgt Ion: 142 Resp: 5690
Ion Ratio Lower Upper
142 100
141 87.3 71.9 107.9
115 36.4 29.9 44.9

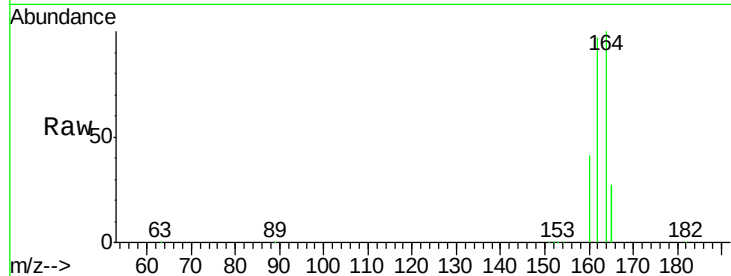




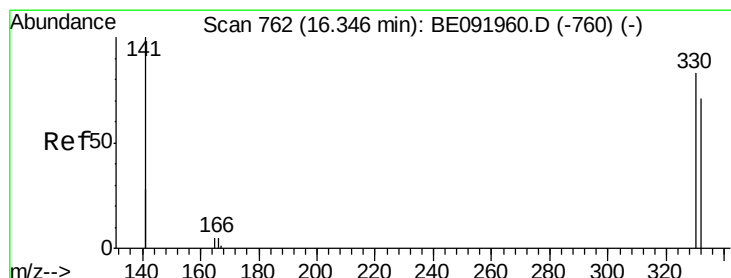
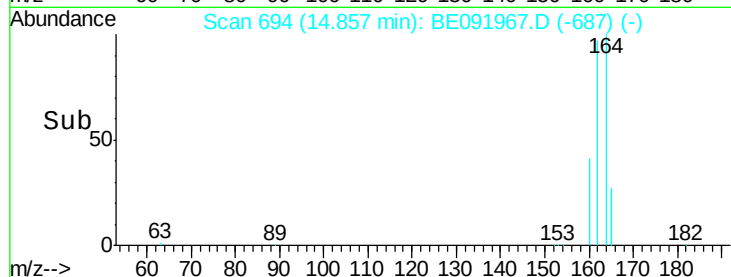
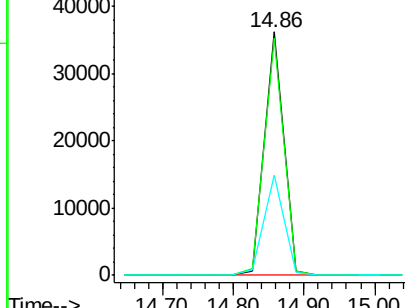
#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BE091967.D
 Acq: 5 Jul 2016 15:55

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE070516

Tgt Ion:164 Resp: 67843
 Ion Ratio Lower Upper
 164 100
 162 97.5 71.8 107.8
 160 41.4 28.0 42.0

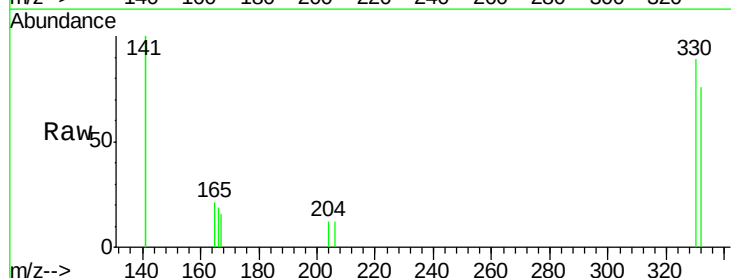


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

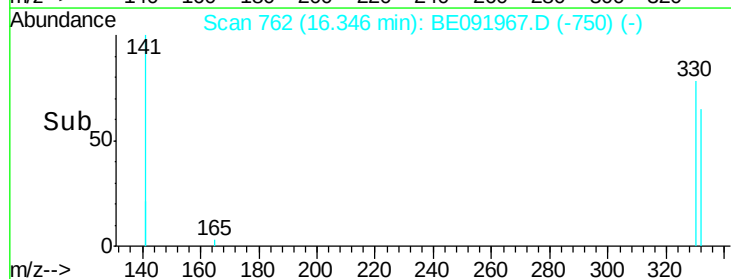
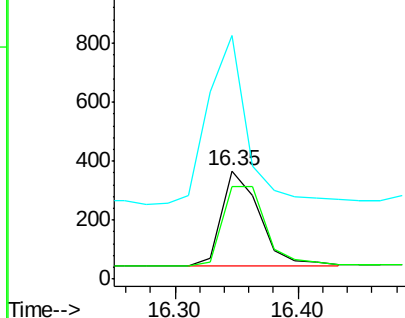


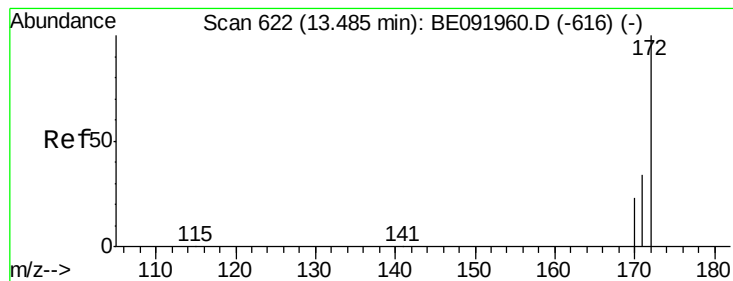
#16
 2,4,6-Tribromophenol
 Concen: 0.42 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091967.D
 Acq: 5 Jul 2016 15:55

Tgt Ion:330 Resp: 697
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 181.8 138.4 207.6



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

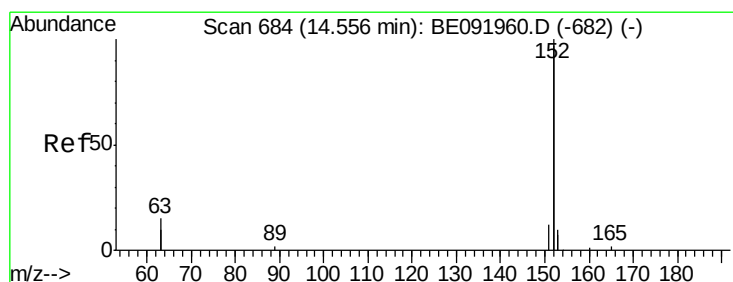
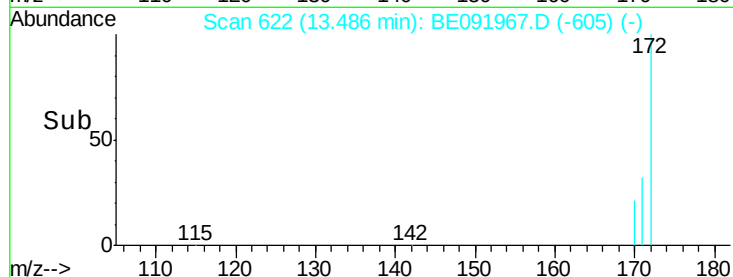
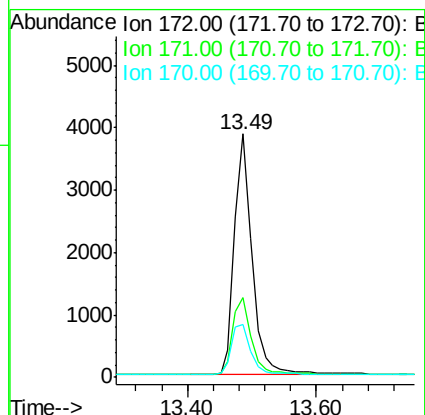
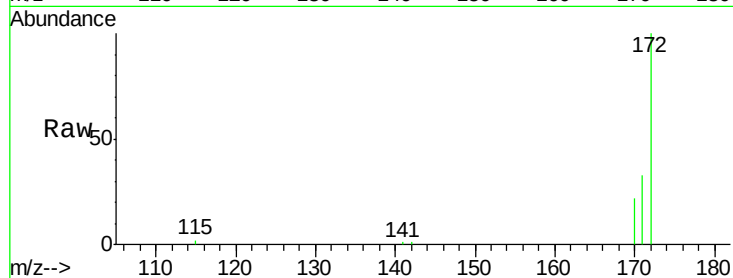




#17
2-Fluorobiphenyl
Concen: 0.44 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

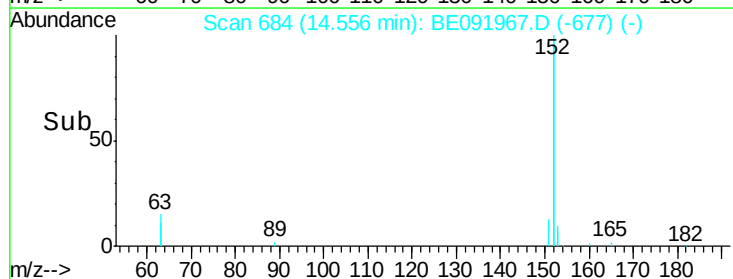
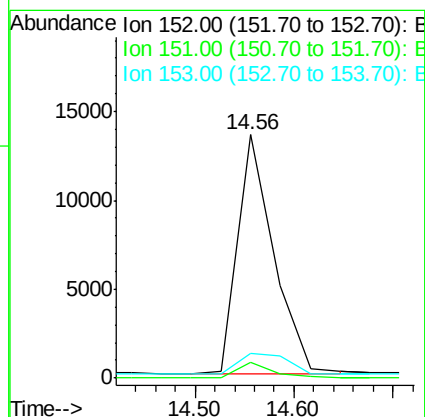
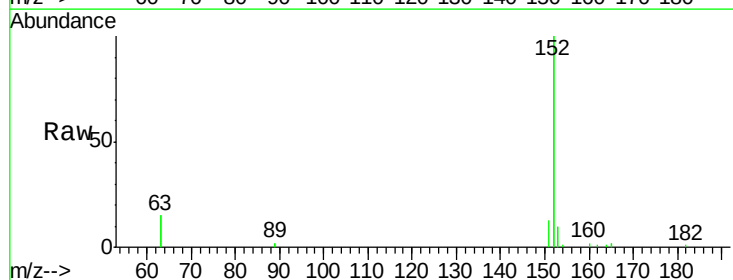
Instrument :
BNA_E
ClientSampleId :
ICVBE070516

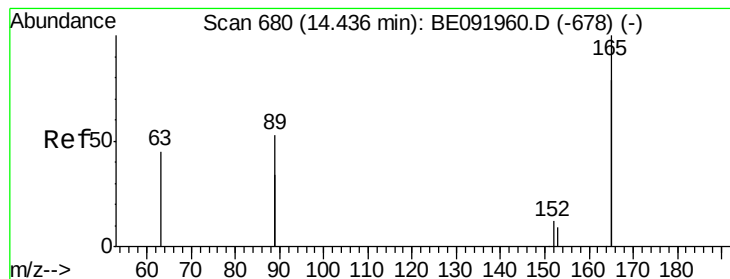
Tgt Ion:172 Resp: 7273
Ion Ratio Lower Upper
172 100
171 32.8 24.3 36.5
170 21.8 14.9 22.3



#18
Acenaphthylene
Concen: 0.40 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

Tgt Ion:152 Resp: 34465
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 12.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.36 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

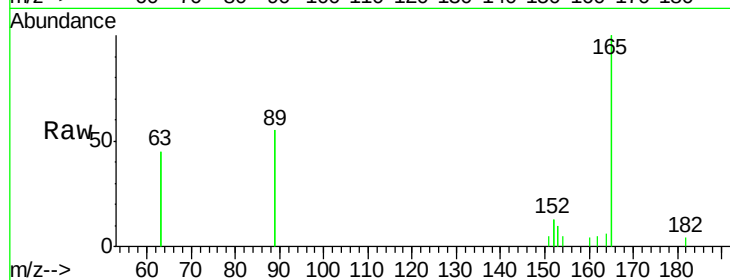
Tgt Ion:165 Resp: 4649

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

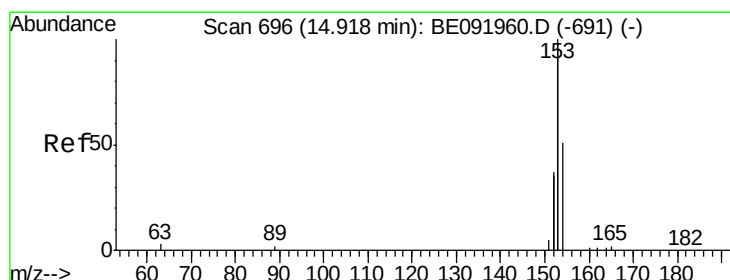
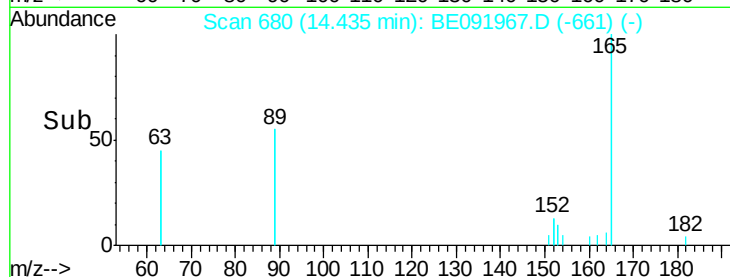
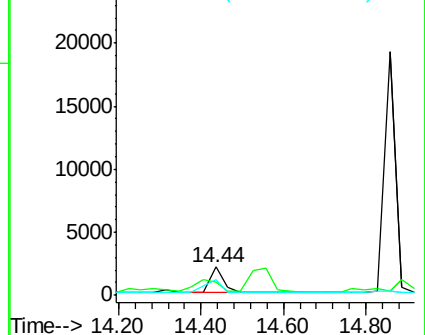
89 85.9 59.1 88.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.44 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

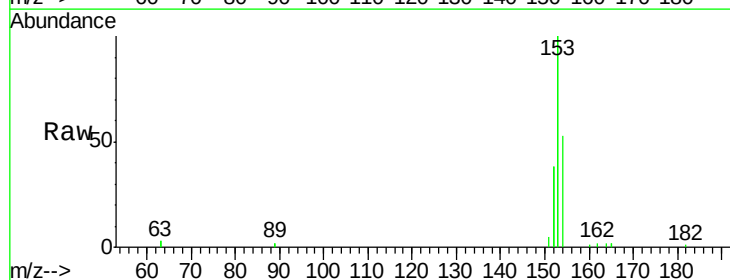
Tgt Ion:154 Resp: 8124

Ion Ratio Lower Upper

154 100

153 383.9 88.1 132.1#

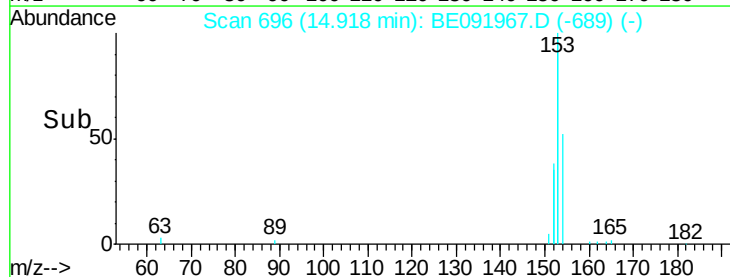
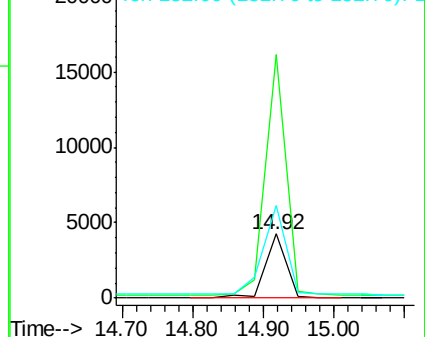
152 158.9 44.2 66.2#

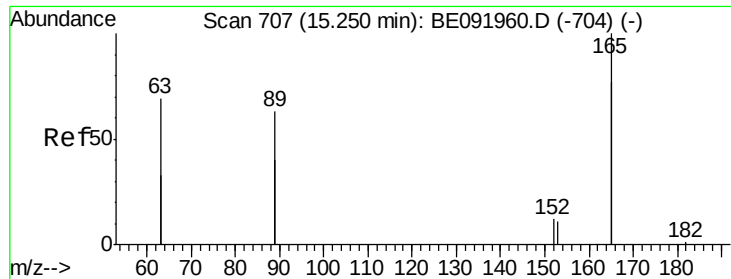


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.60 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

Tgt Ion:165 Resp: 8592

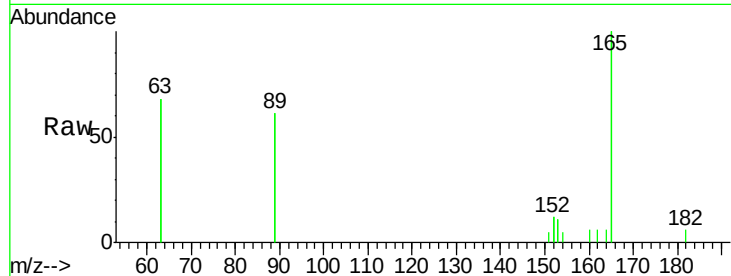
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0



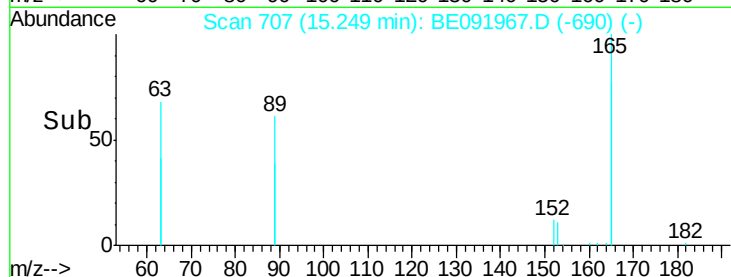
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

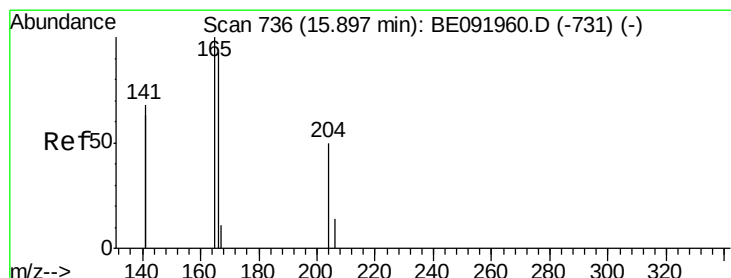
Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#22

Fluorene

Concen: 0.44 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

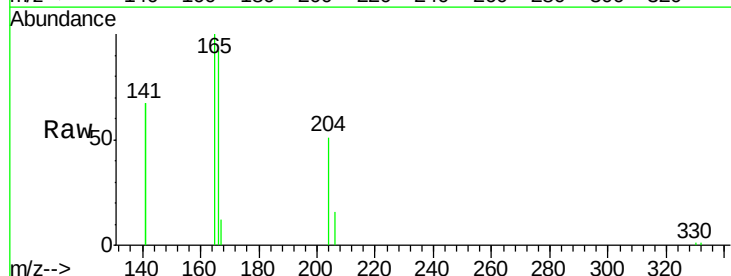
Tgt Ion:166 Resp: 8525

Ion Ratio Lower Upper

166 100

165 99.3 78.6 117.8

167 14.0 10.8 16.2

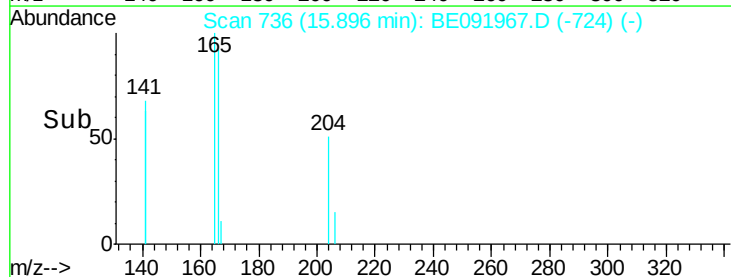


Abundance Ion 166.00 (165.70 to 166.70): E

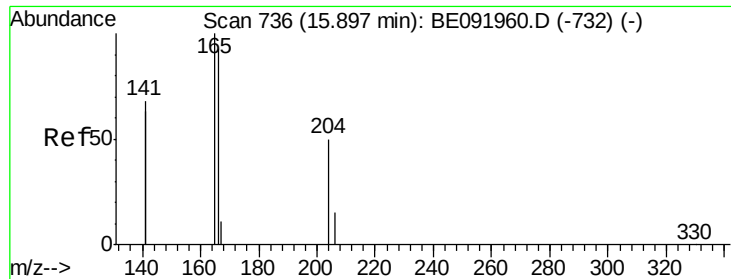
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



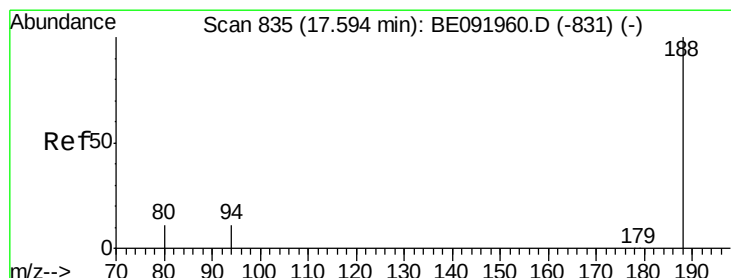
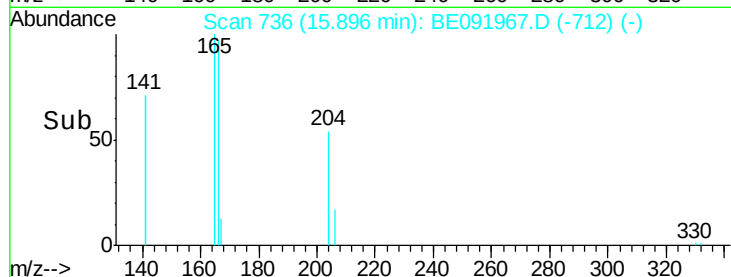
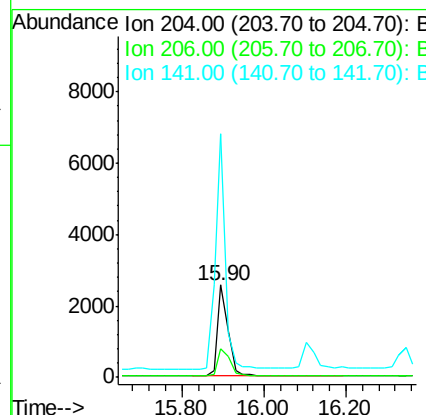
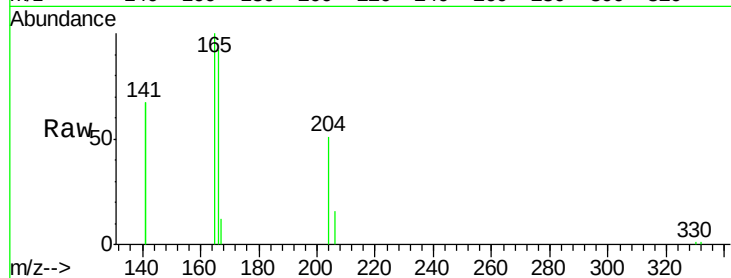
Time-->



#23
4-Chlorophenyl-phenylether
Concen: 0.45 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

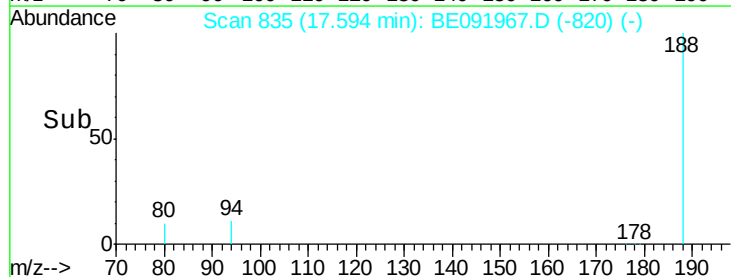
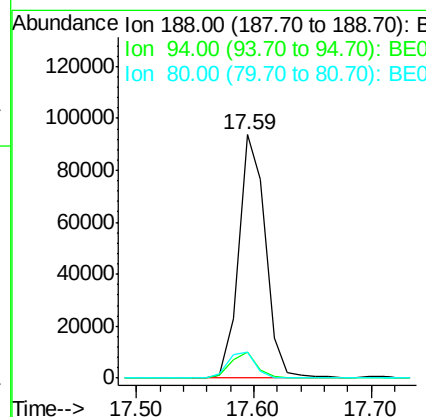
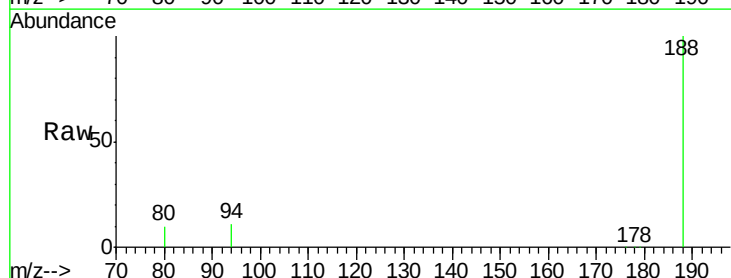
Instrument :
BNA_E
ClientSampleId :
ICVBE070516

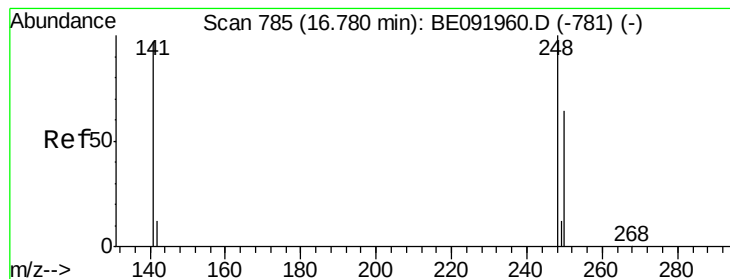
Tgt Ion: 204 Resp: 4432
Ion Ratio Lower Upper
204 100
206 33.6 27.8 41.6
141 244.8 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE091967.D
Acq: 5 Jul 2016 15:55

Tgt Ion: 188 Resp: 148759
Ion Ratio Lower Upper
188 100
94 10.5 4.1 6.1#
80 10.5 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.41 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

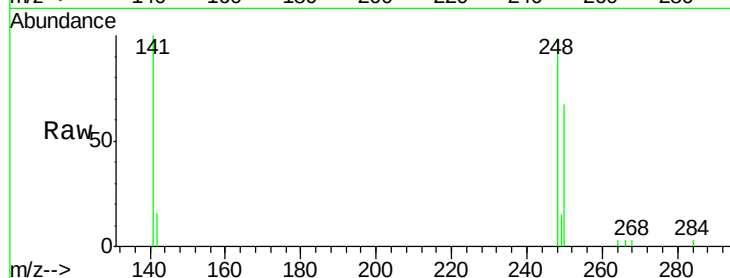
Tgt Ion:248 Resp: 2658

Ion Ratio Lower Upper

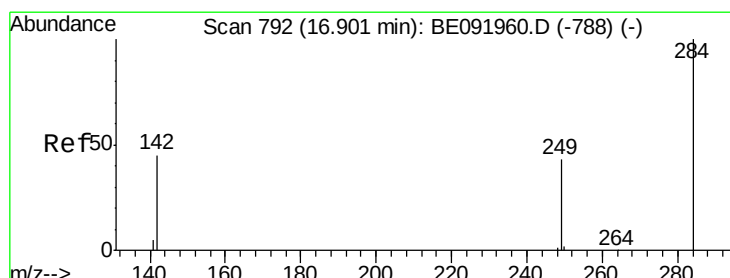
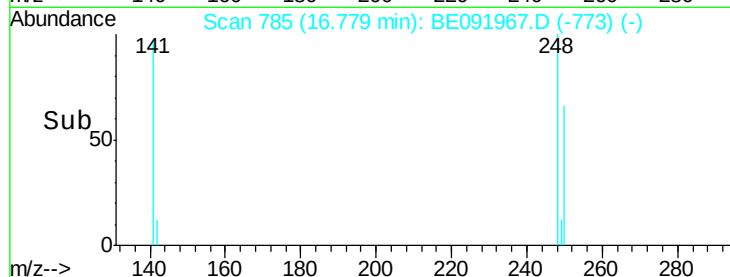
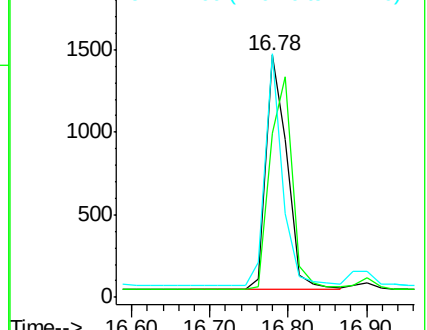
248 100

250 96.5 75.7 113.5

141 81.9 64.6 97.0



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



#26

Hexachlorobenzene

Concen: 0.42 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

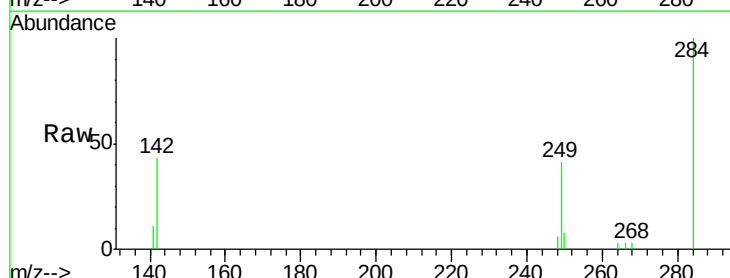
Tgt Ion:284 Resp: 2705

Ion Ratio Lower Upper

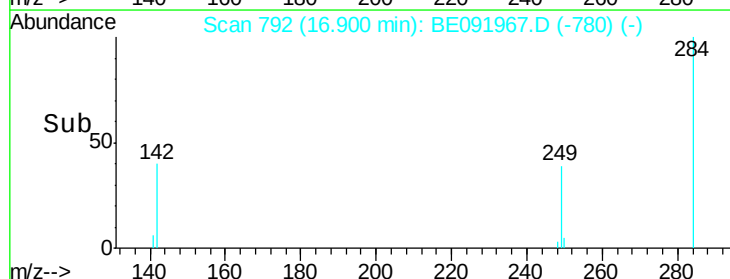
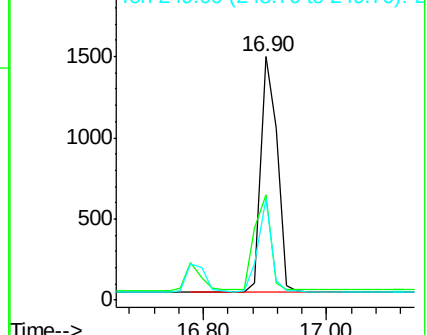
284 100

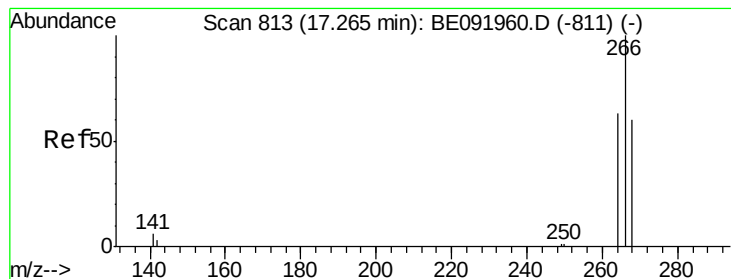
142 39.1 31.4 47.2

249 31.8 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.36 ng

RT: 17.26 min Scan# 813

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

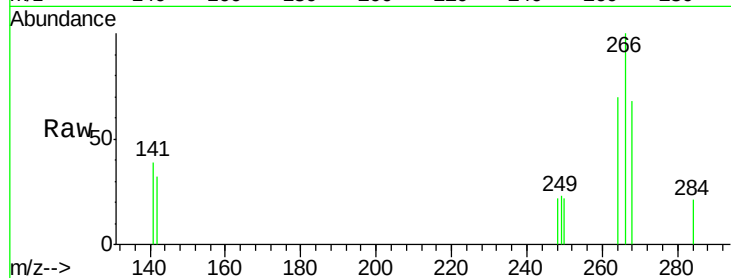
Tgt Ion:266 Resp: 559

Ion Ratio Lower Upper

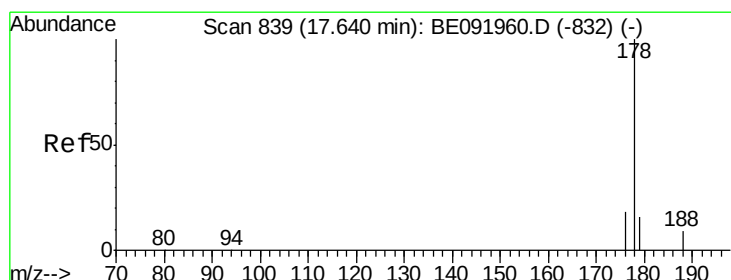
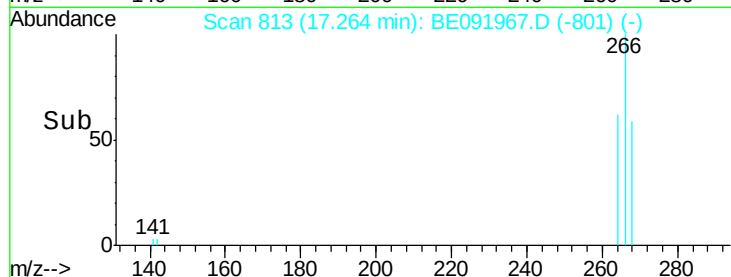
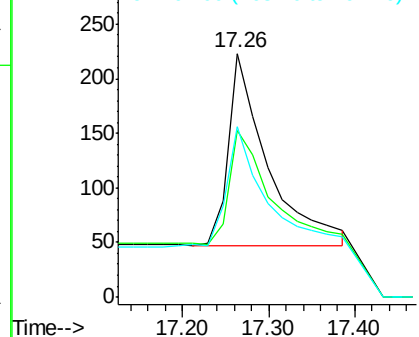
266 100

268 68.2 60.5 90.7

264 70.0 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.42 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

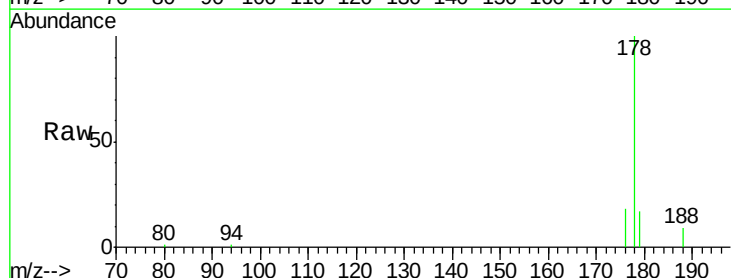
Tgt Ion:178 Resp: 16413

Ion Ratio Lower Upper

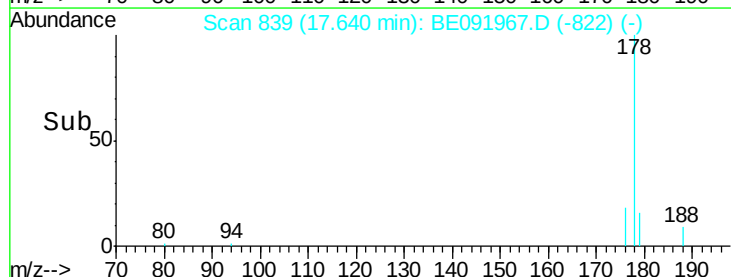
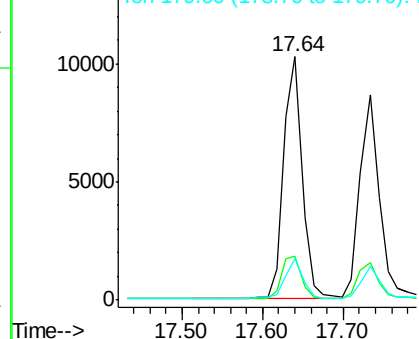
178 100

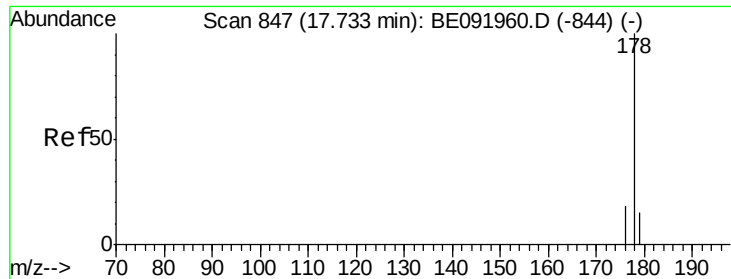
176 19.3 15.4 23.2

179 16.2 12.9 19.3



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





#29

Anthracene

Concen: 0.41 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

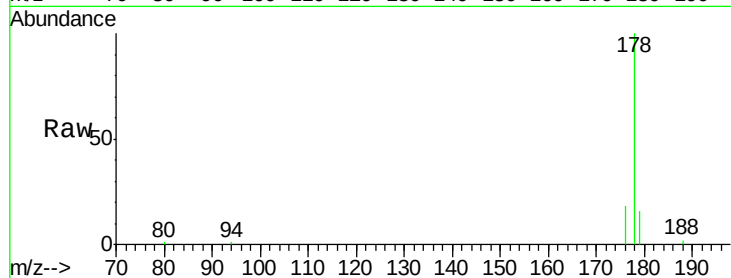
Tgt Ion:178 Resp: 14728

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

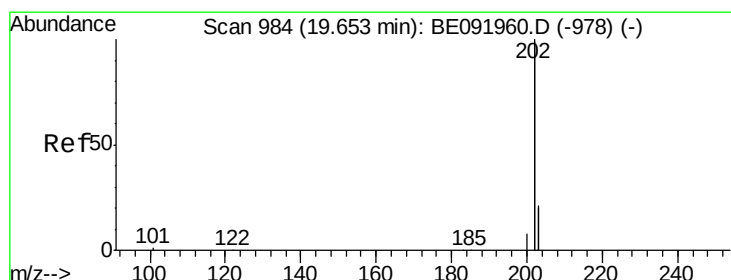
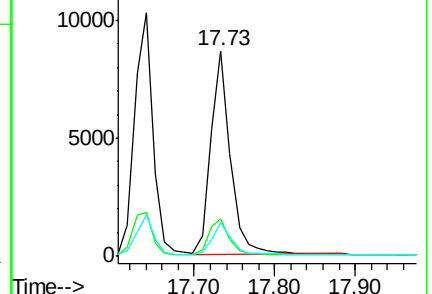
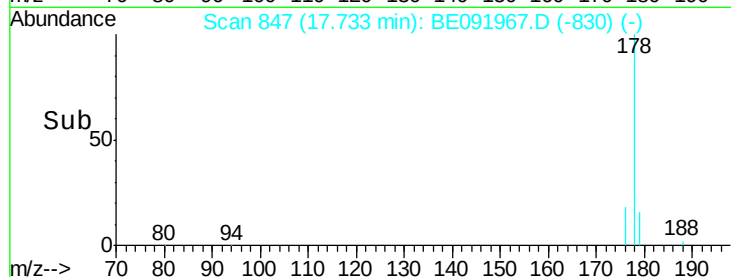
179 15.2 12.1 18.1



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



#30

Fluoranthene

Concen: 0.43 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

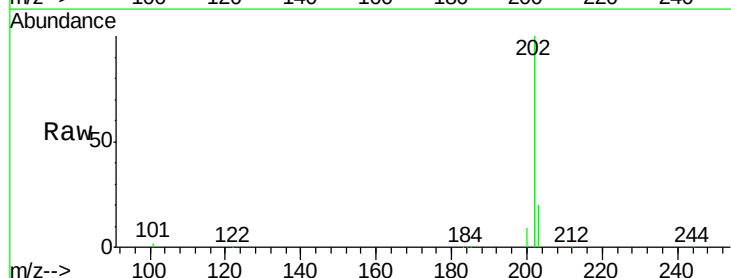
Tgt Ion:202 Resp: 70902

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

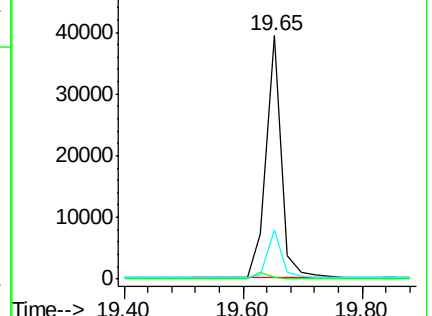
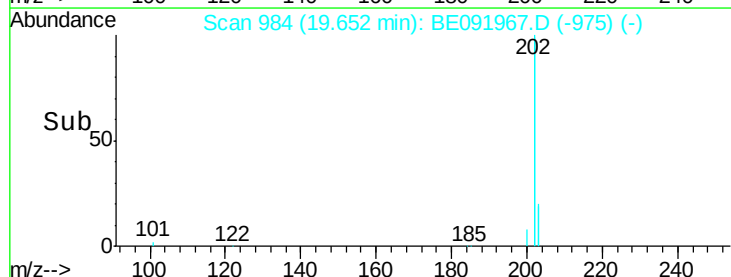
203 18.5 14.3 21.5

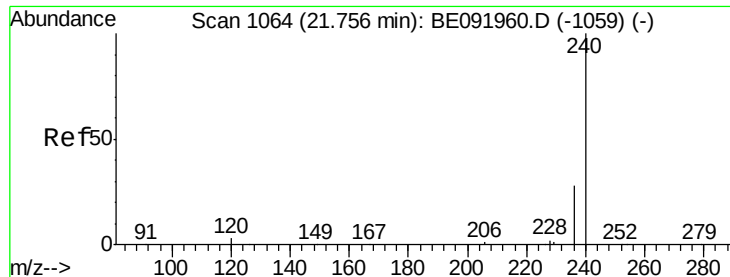


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

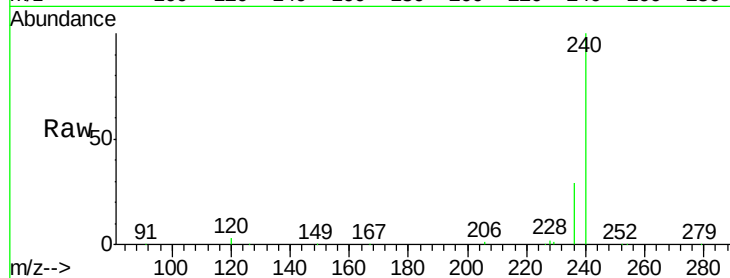
Tgt Ion:240 Resp: 236402

Ion Ratio Lower Upper

240 100

120 2.9 1.2 1.8#

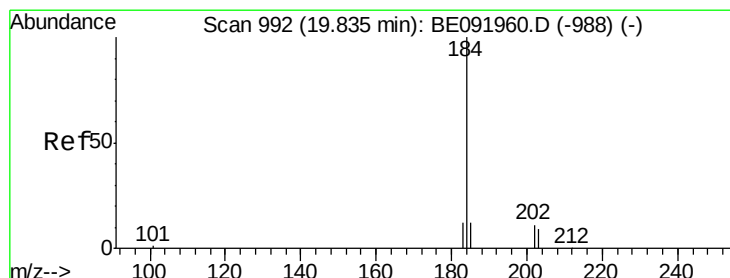
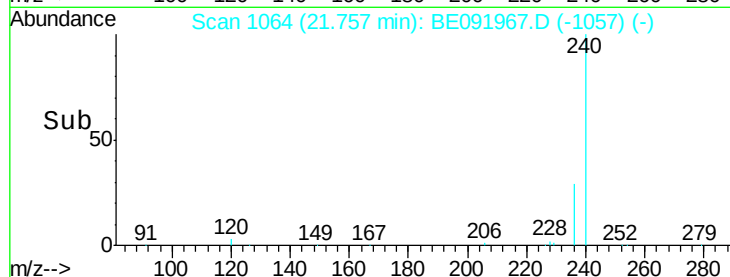
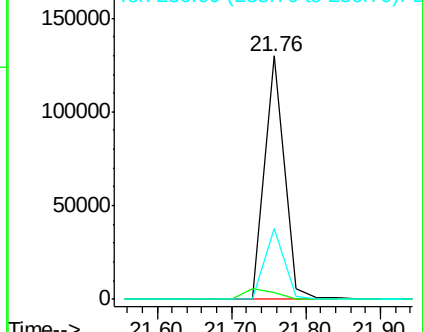
236 28.8 19.8 29.8



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



#32

Benzidine

Concen: 0.47 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

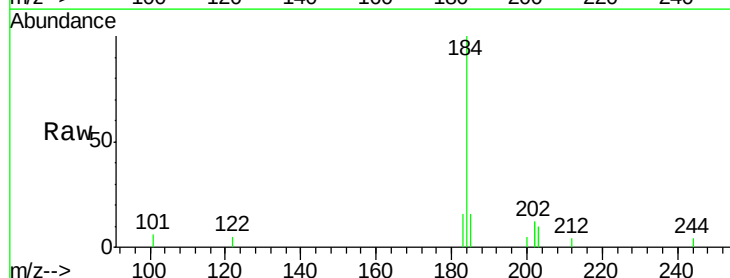
Tgt Ion:184 Resp: 4948

Ion Ratio Lower Upper

184 100

185 16.3 11.4 17.2

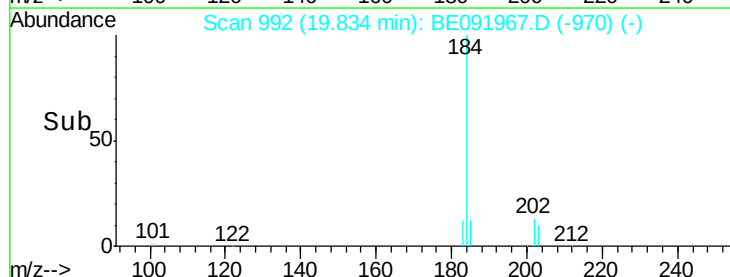
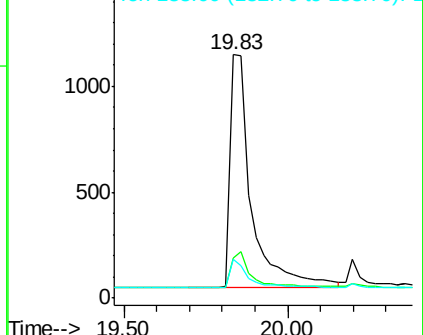
183 15.9 11.8 17.6

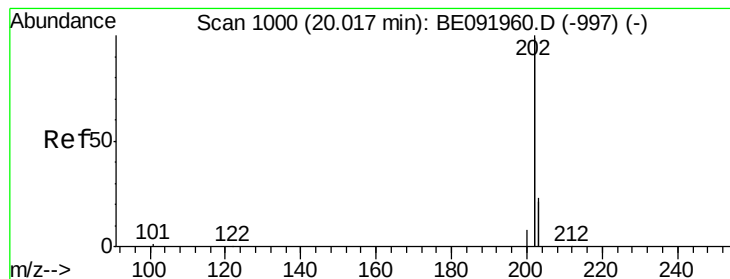


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.41 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

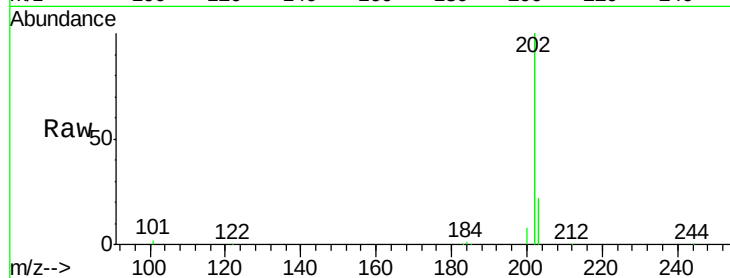
Tgt Ion: 202 Resp: 70914

Ion Ratio Lower Upper

202 100

200 5.1 16.9 25.3#

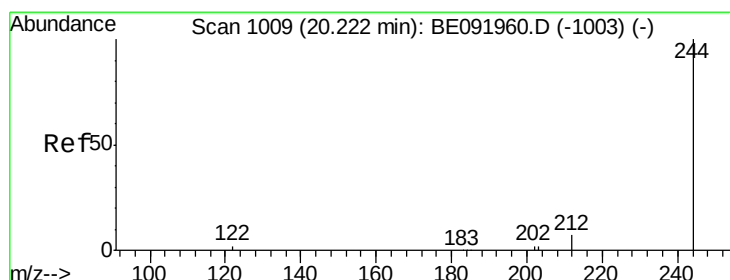
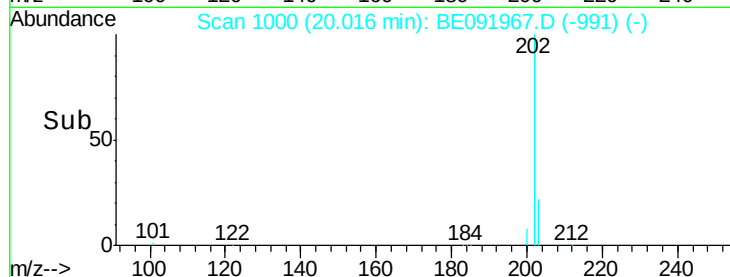
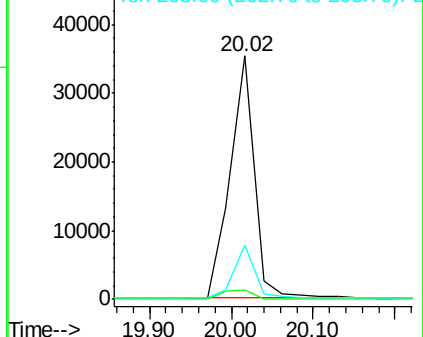
203 18.8 14.1 21.1



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



#34

Terphenyl-d14

Concen: 0.44 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

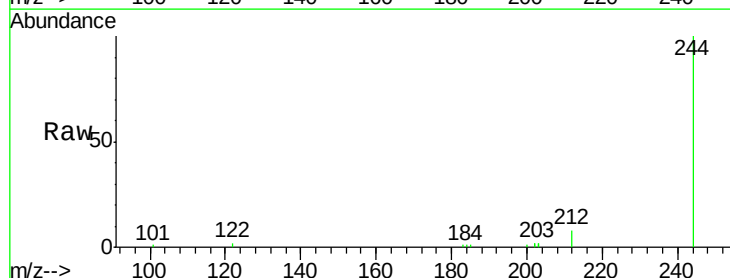
Tgt Ion: 244 Resp: 12344

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

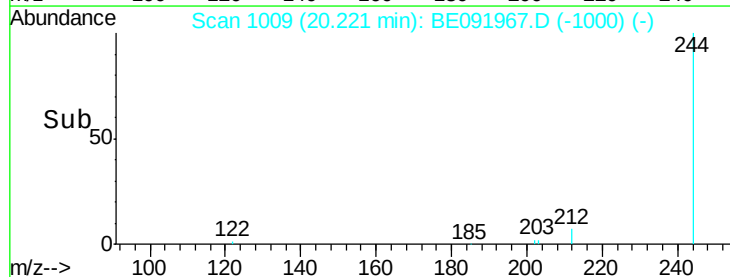
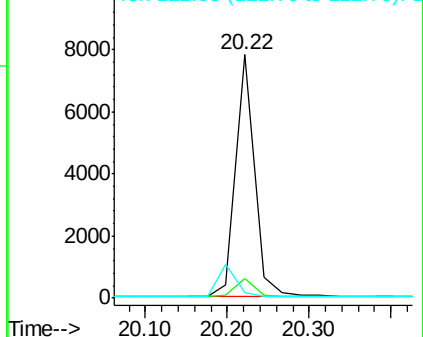
122 2.3 2.9 4.3#

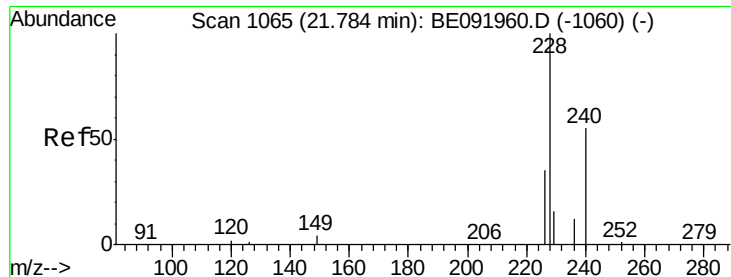


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.00 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

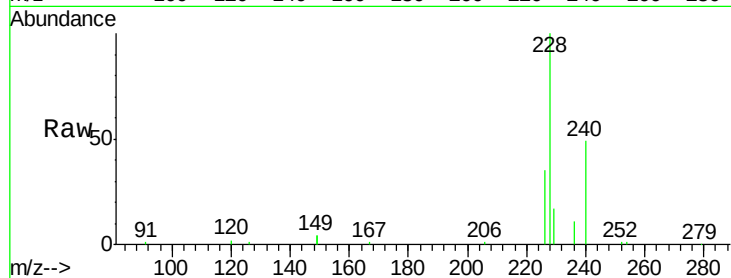
Tgt Ion:228 Resp: 39417

Ion Ratio Lower Upper

228 100

226 35.0 21.0 31.4#

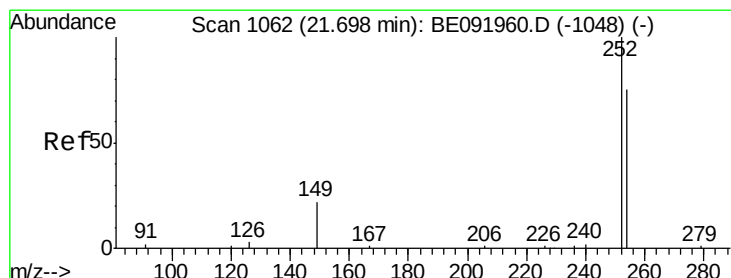
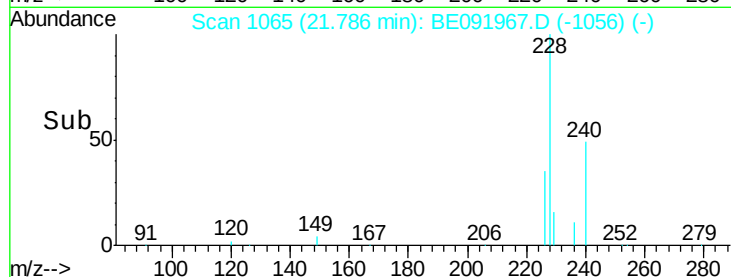
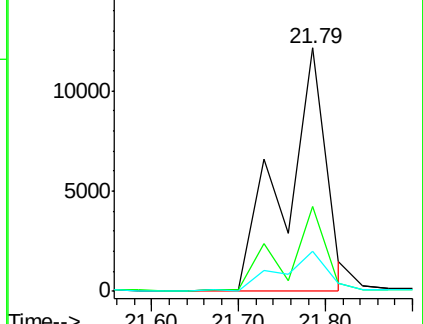
229 16.7 15.8 23.8



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



#36

3,3'-Dichlorobenzidine

Concen: 0.40 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

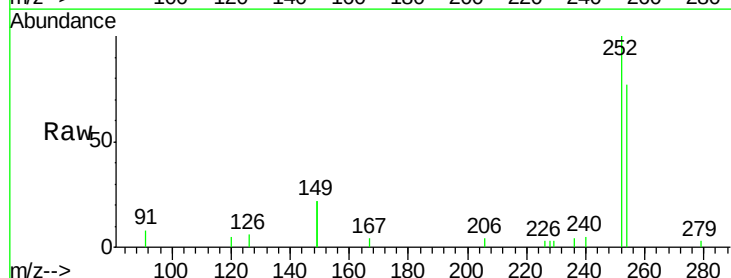
Tgt Ion:252 Resp: 4717

Ion Ratio Lower Upper

252 100

254 76.6 61.5 92.3

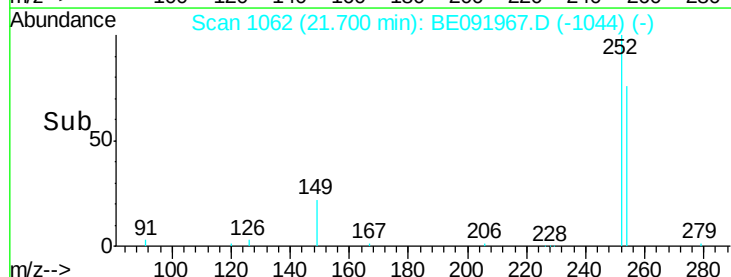
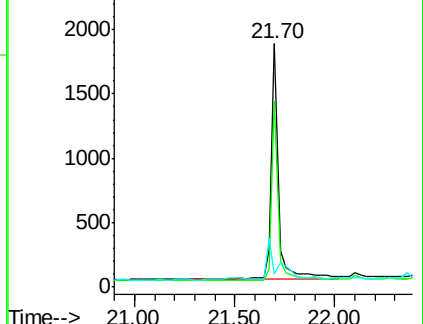
126 5.6 2.5 3.7#

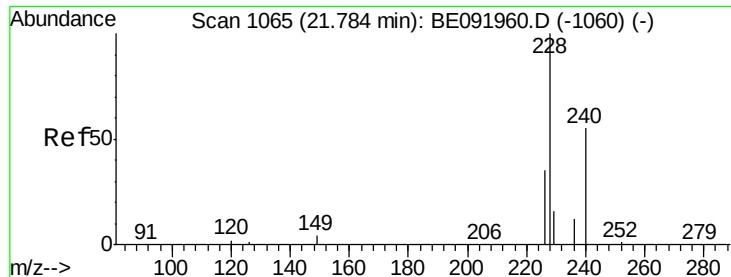


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.71 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

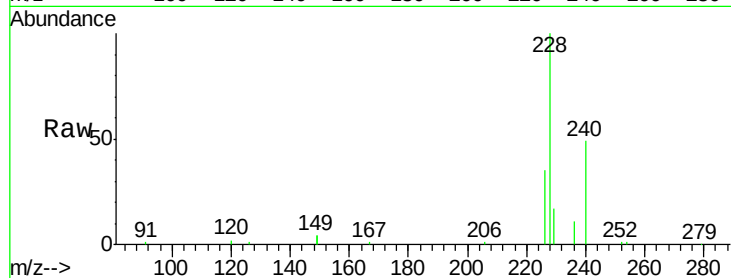
Tgt Ion:228 Resp: 40016

Ion Ratio Lower Upper

228 100

226 35.0 27.0 40.6

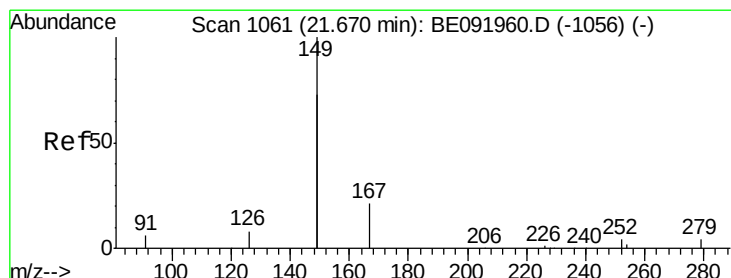
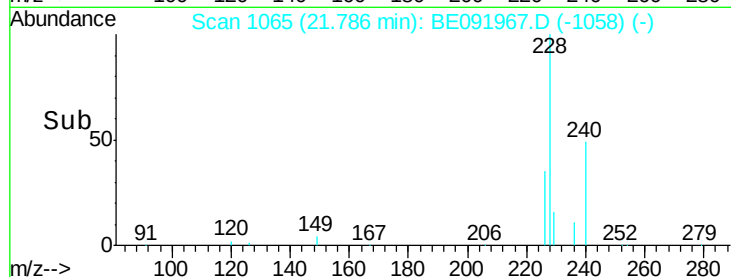
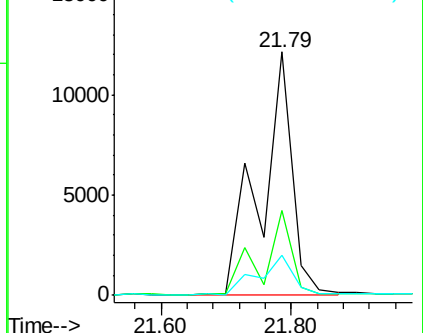
229 16.7 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.37 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

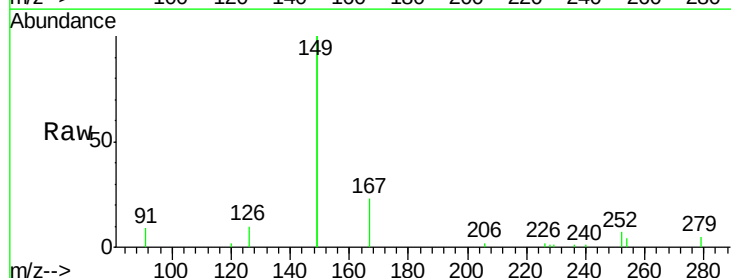
Tgt Ion:149 Resp: 16936

Ion Ratio Lower Upper

149 100

167 9.6 0.0 0.0#

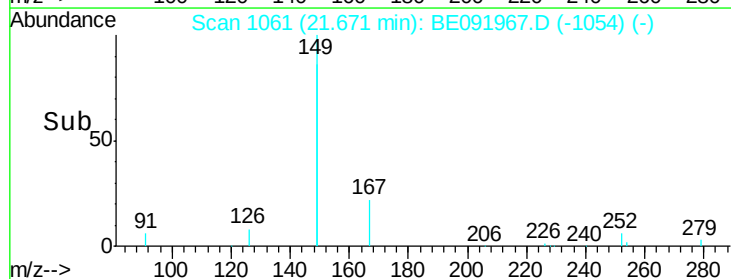
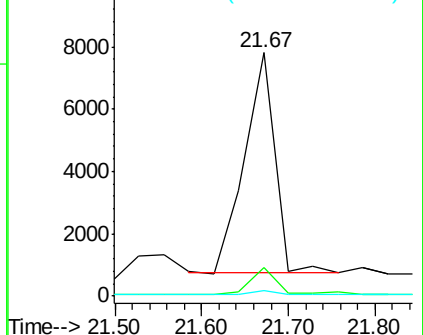
279 1.5 0.0 0.0#

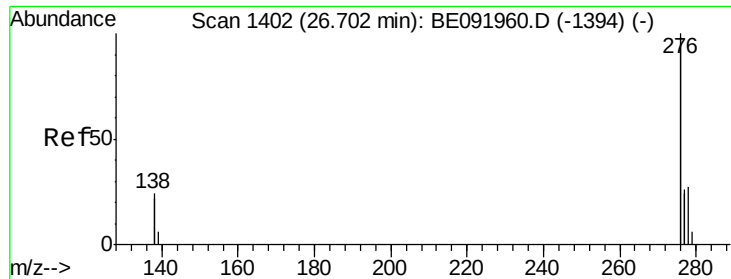


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

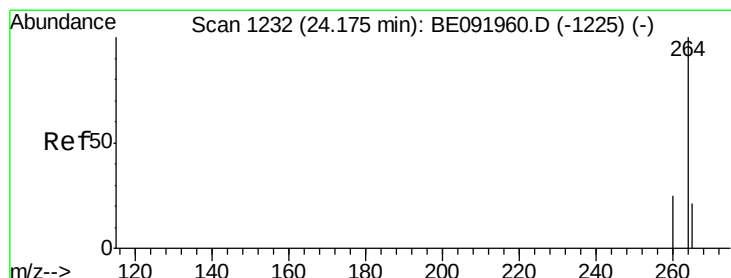
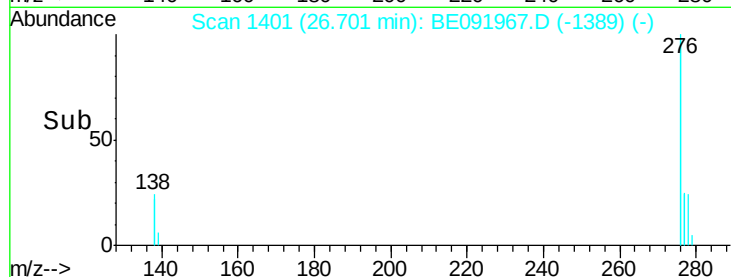
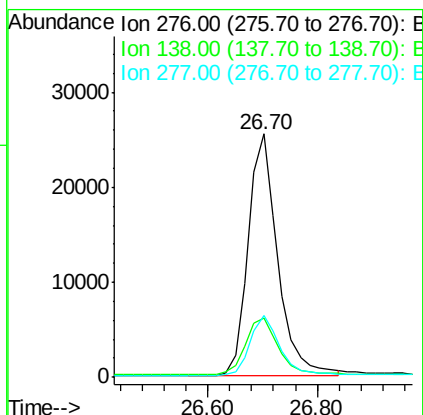
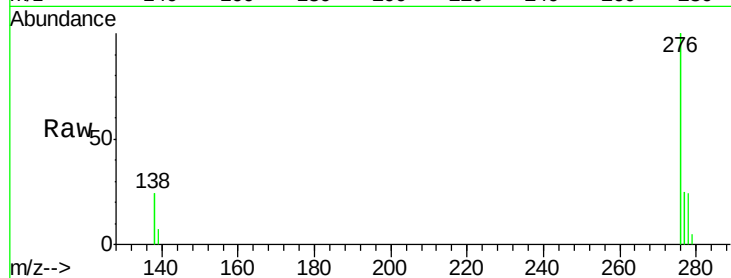




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.43 ng
 RT: 26.70 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091967.D
 Acq: 5 Jul 2016 15:55

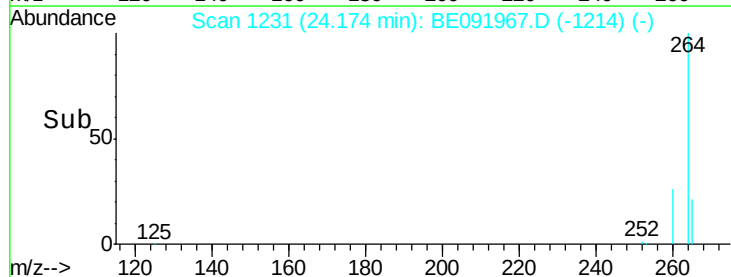
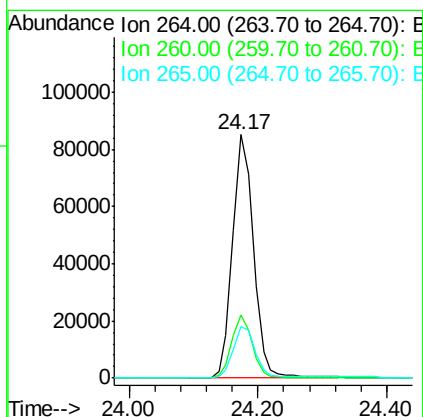
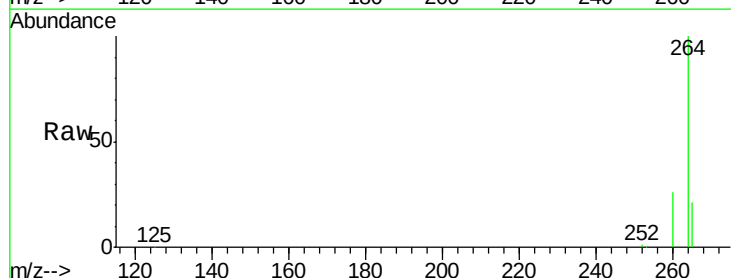
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE070516

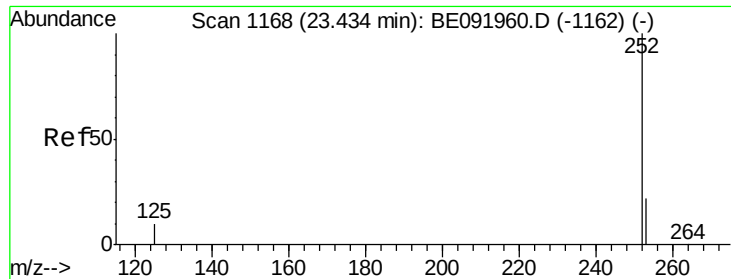
Tgt Ion: 276 Resp: 94721
 Ion Ratio Lower Upper
 276 100
 138 26.5 19.7 29.5
 277 24.8 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE091967.D
 Acq: 5 Jul 2016 15:55

Tgt Ion: 264 Resp: 191235
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.3 30.5
 265 21.2 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.40 ng

RT: 23.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

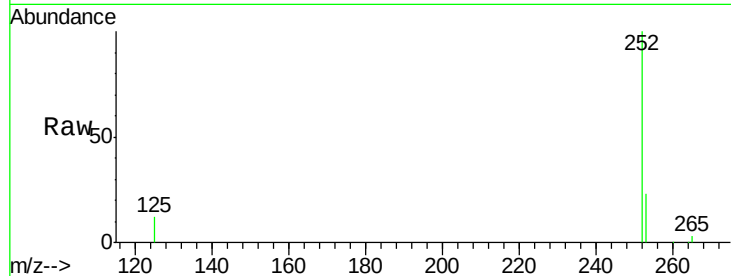
Tgt Ion:252 Resp: 21238

Ion Ratio Lower Upper

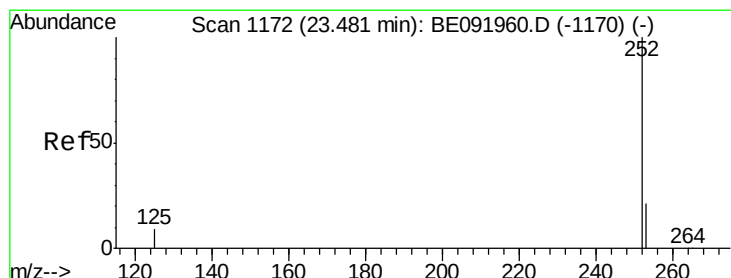
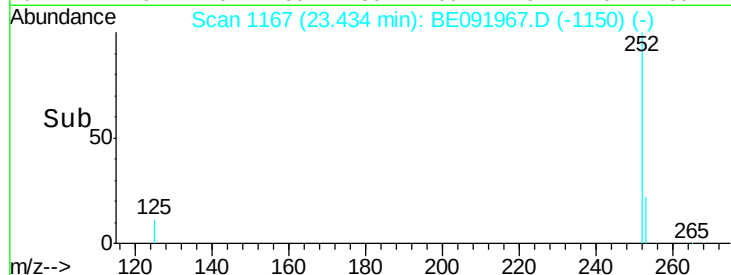
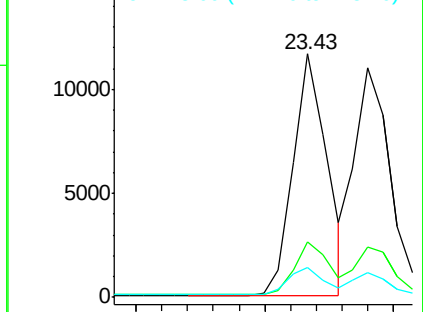
252 100

253 22.8 17.8 26.6

125 12.2 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.43 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

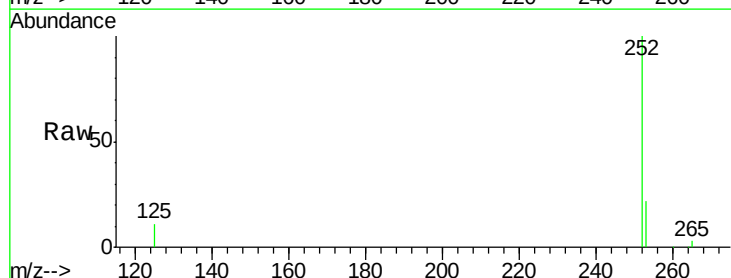
Tgt Ion:252 Resp: 21715

Ion Ratio Lower Upper

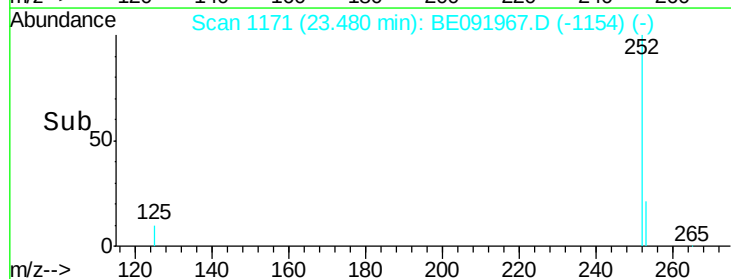
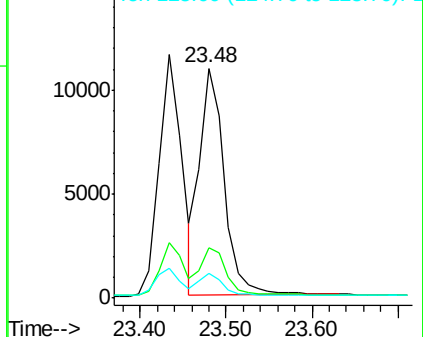
252 100

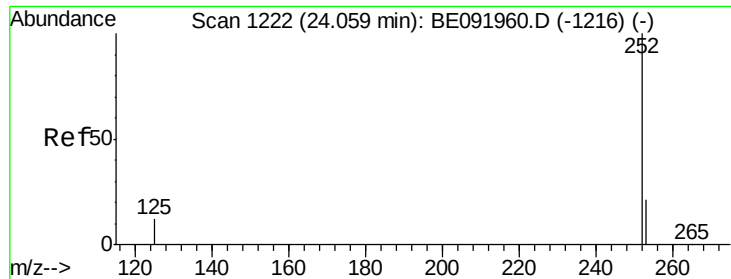
253 21.8 19.4 29.2

125 10.7 8.3 12.5



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





#43

Benzo(a)pyrene

Concen: 0.42 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516

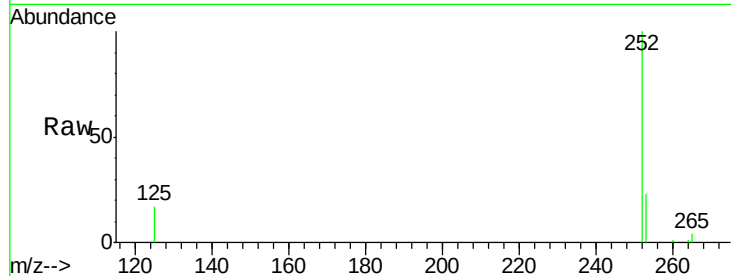
Tgt Ion: 252 Resp: 20901

Ion Ratio Lower Upper

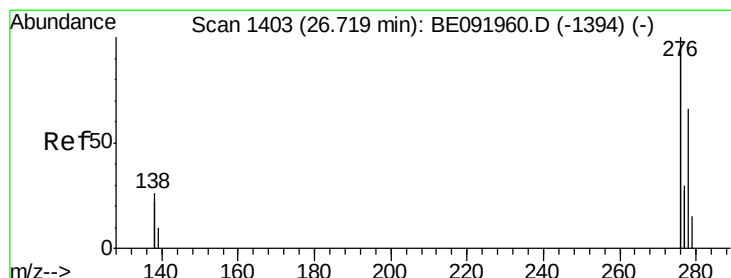
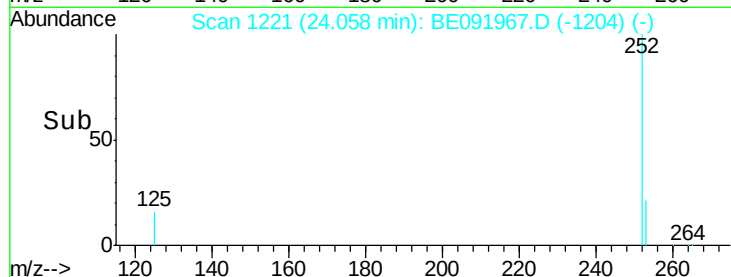
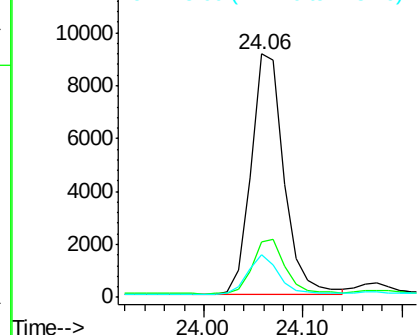
252 100

253 22.5 18.9 28.3

125 17.4 10.5 15.7#



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



#44

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 26.72 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091967.D

Acq: 5 Jul 2016 15:55

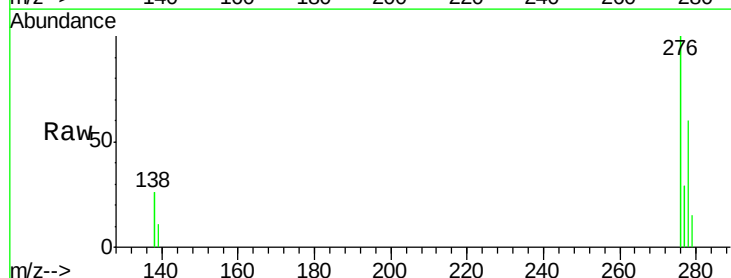
Tgt Ion: 278 Resp: 19179

Ion Ratio Lower Upper

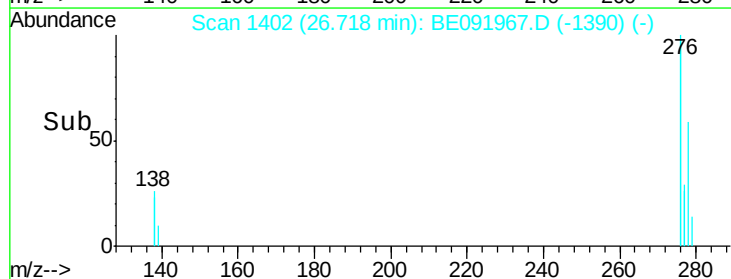
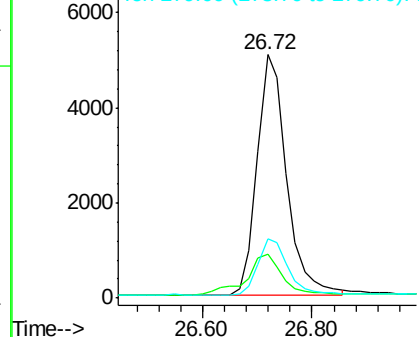
278 100

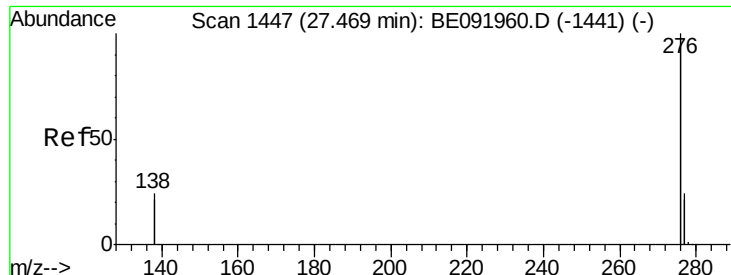
139 17.9 12.6 18.8

279 24.2 20.0 30.0



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





#45

Benzo(g,h,i)perylene

Concen: 0.41 ng

RT: 27.49 min Scan# 1447

Delta R.T. 0.02 min

Lab File: BE091967.D

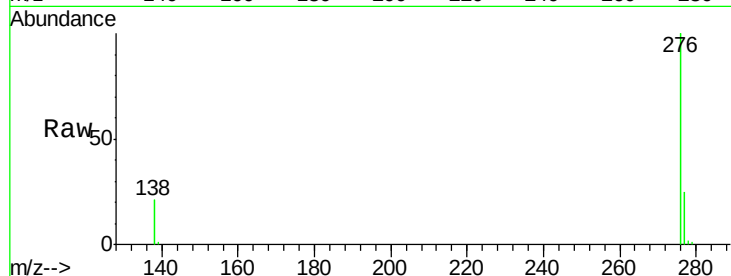
Acq: 5 Jul 2016 15:55

Instrument :

BNA_E

ClientSampleId :

ICVBE070516



Tgt Ion: 276 Resp: 77956

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 21.1 17.7 26.5

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

