

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091922.D
 Acq On : 15 Jun 2016 13:20
 Operator : UM/SJ
 Sample : H3357-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160531

Quant Time: Jun 15 14:19:50 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	32553	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	146515	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	114164	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	238447	5.00	ng	0.00
31) Chrysene-d12	21.76	240	390056	5.00	ng	0.00
40) Perylene-d12	24.16	264	278282	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	11895	1.87	ng	0.00
5) Phenol-d6	7.37	99	9376	1.02	ng	0.02
9) Nitrobenzene-d5	9.36	82	30427	3.01	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	19526	6.59	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	87621	3.02	ng	0.00
34) Terphenyl-d14	20.22	244	157674	3.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	436	0.09	ng	# 86
3) n-Nitrosodimethylamine	3.73	42	293	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.52	93	203	0.02	ng	# 21
7) n-Nitroso-di-n-propylamine	9.00	70	187	0.15	ng	# 72
10) Nitrobenzene	9.48	77	65	0.06	ng	# 1
11) bis(2-Chloroethoxy)methane	10.72	93	166	0.01	ng	# 1
12) Naphthalene	11.04	128	338	0.01	ng	# 30
13) Hexachlorobutadiene	11.34	225	18	0.00	ng	# 56
14) 2-Methylnaphthalene	12.69	142	132	0.01	ng	# 63
18) Acenaphthylene	14.59	152	181	0.00	ng	# 81
19) 2,6-Dinitrotoluene	14.32	165	10856	0.65	ng	# 10
20) Acenaphthene	14.86	154	492	0.02	ng	# 19
21) 2,4-Dinitrotoluene	14.86	165	55837	2.51	ng	# 1
22) Fluorene	15.90	166	82	0.00	ng	# 93
23) 4-Chlorophenyl-phenylether	15.59	204	558	0.04	ng	# 1
25) 4-Bromophenyl-phenylether	16.80	248	8	0.00	ng	# 1
26) Hexachlorobenzene	16.90	284	6	0.00	ng	# 63
27) Pentachlorophenol	17.26	266	245	0.17	ng	# 94
28) Phenanthrene	17.64	178	804	0.01	ng	# 80
29) Anthracene	17.73	178	1250	0.02	ng	# 96
30) Fluoranthene	19.65	202	2099	0.01	ng	# 86
32) Benzidine	19.86	184	145	0.10	ng	# 1
33) Pyrene	20.02	202	2057	0.01	ng	# 60
35) Benzo(a)anthracene	21.76	228	1916	0.03	ng	# 68
36) 3,3'-Dichlorobenzidine	21.70	252	67	0.01	ng	# 74
37) Chrysene	21.76	228	1928	0.02	ng	# 61
38) Bis(2-ethylhexyl)phthalate	21.64	149	6592	0.07	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.69	276	1910	0.01	ng	# 87
41) Benzo(b)fluoranthene	23.43	252	405	0.01	ng	# 1
42) Benzo(k)fluoranthene	23.48	252	333	0.01	ng	# 1
43) Benzo(a)pyrene	24.06	252	326	0.01	ng	# 1
44) Dibenzo(a,h)anthracene	26.72	278	440	0.01	ng	# 14
45) Benzo(g,h,i)perylene	27.47	276	2212	0.01	ng	# 51

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QLast Update : Wed Jun 15 12:00:38 2016
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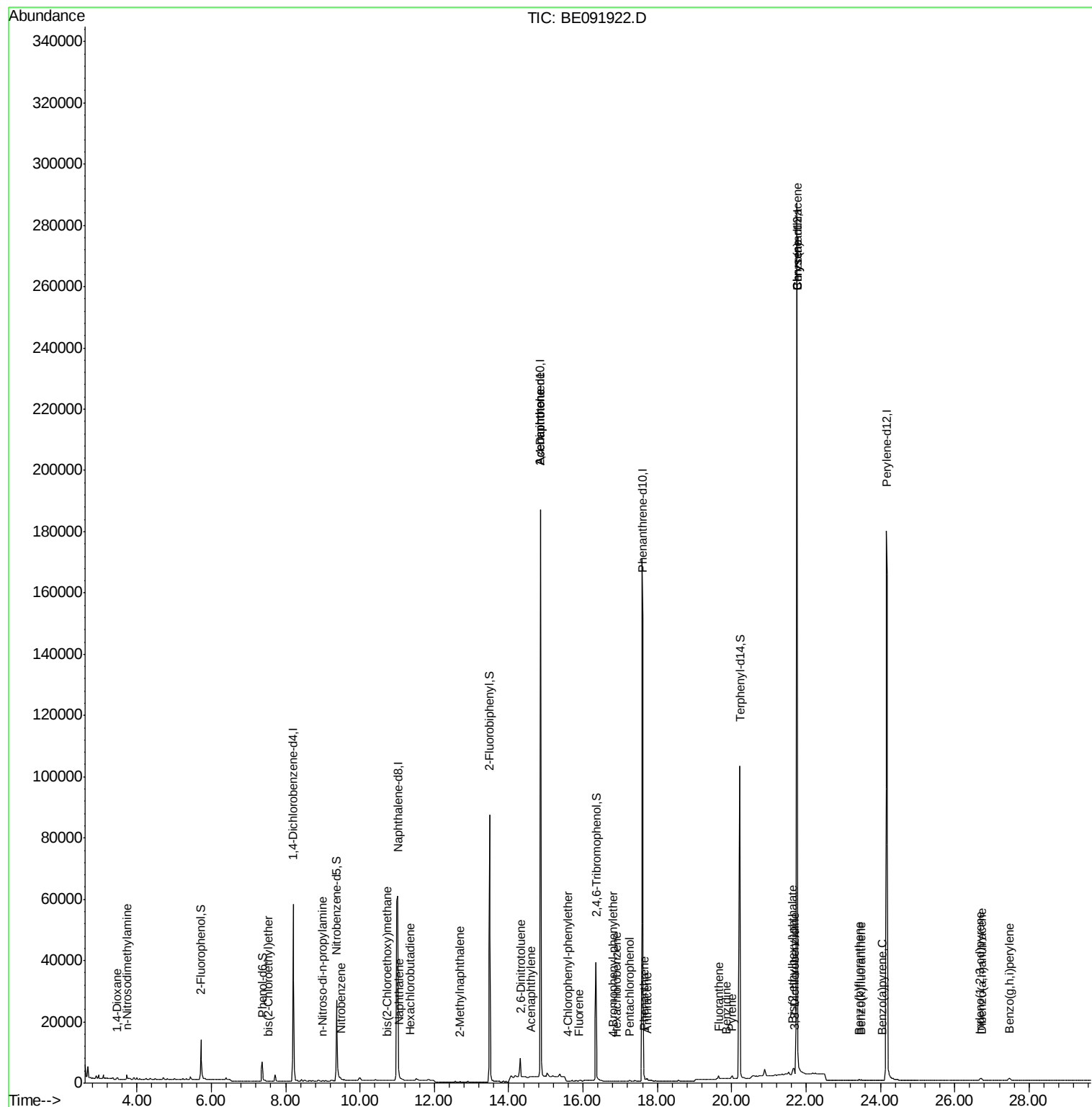
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

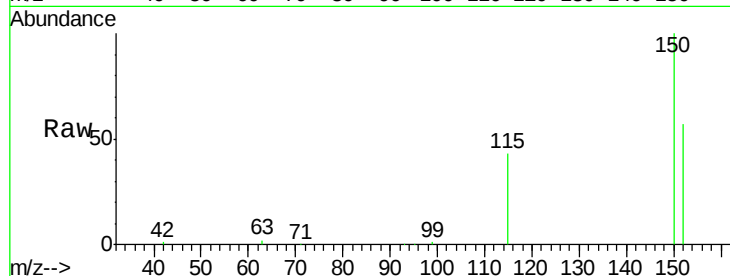
Tgt Ion:152 Resp: 32553

Ion Ratio Lower Upper

152 100

150 174.7 123.9 185.9

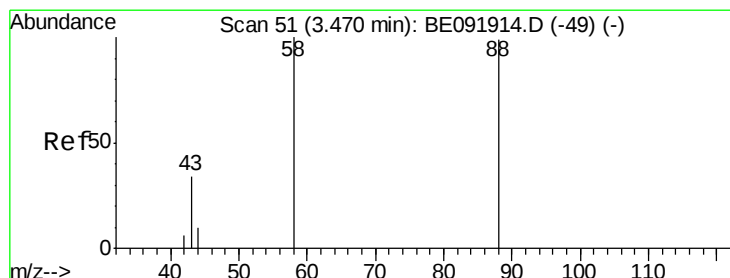
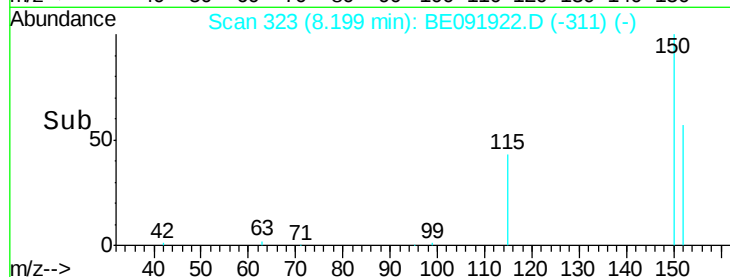
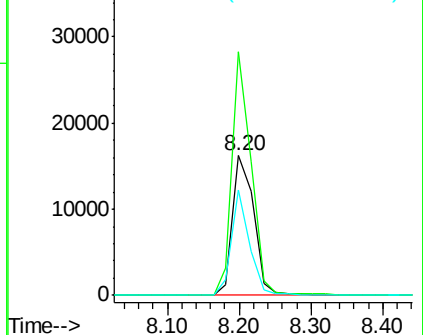
115 75.3 48.3 72.5#



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: 0.09 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

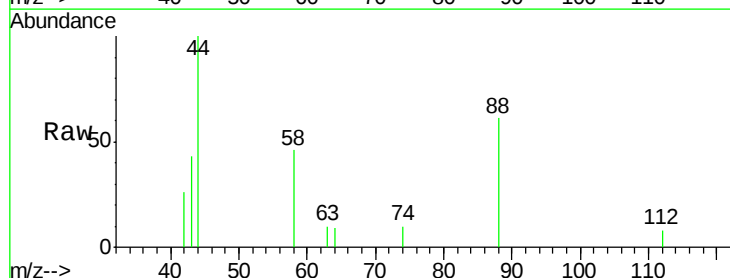
Tgt Ion: 88 Resp: 436

Ion Ratio Lower Upper

88 100

58 75.9 63.0 94.4

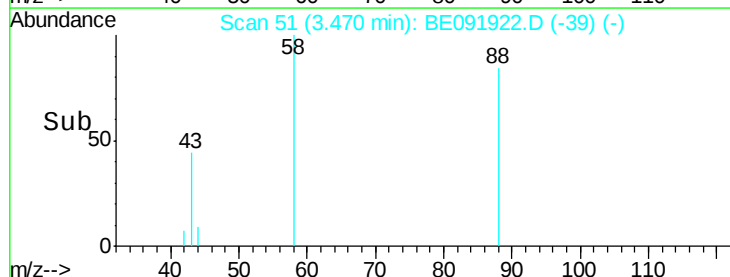
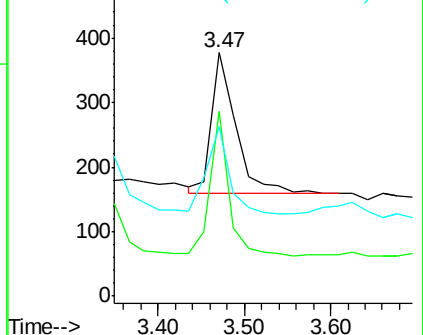
43 57.8 29.1 43.7#



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: 0.06 ng

RT: 3.73 min Scan# 66

Delta R.T. -0.07 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

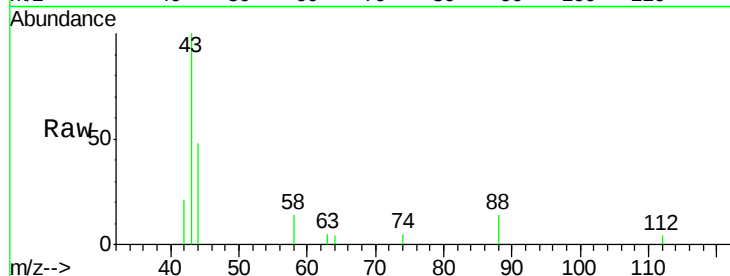
Tgt Ion: 42 Resp: 293

Ion Ratio Lower Upper

42 100

74 3.1 93.4 140.0#

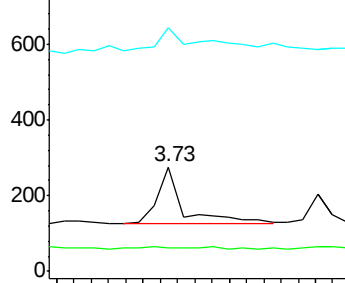
44 39.9 5.0 7.6#



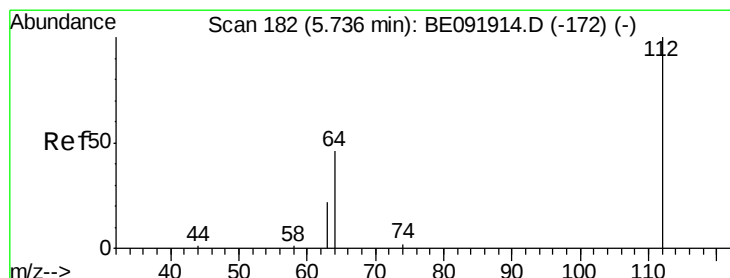
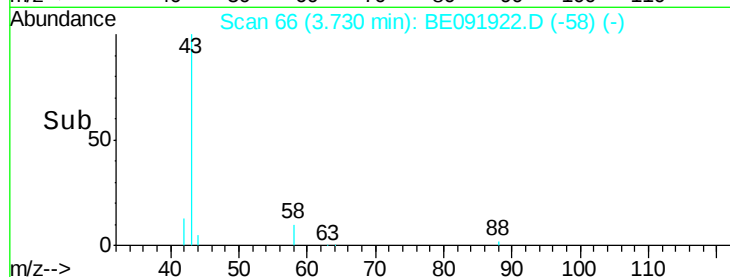
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time--> 3.60 3.70 3.80 3.90



#4

2-Fluorophenol

Concen: 1.87 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

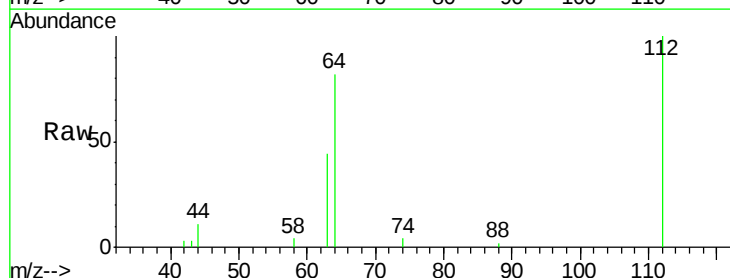
Tgt Ion: 112 Resp: 11895

Ion Ratio Lower Upper

112 100

64 67.7 53.7 80.5

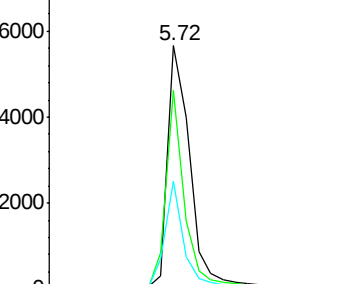
63 36.4 29.5 44.3



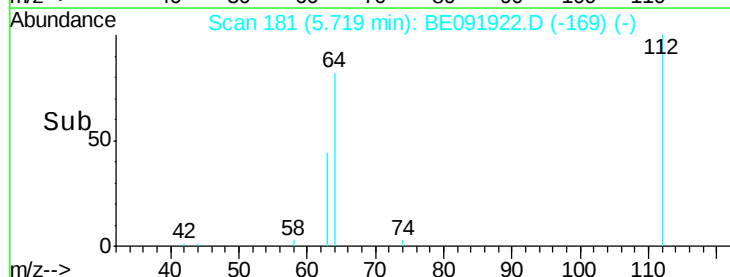
Abundance Ion 112.00 (111.70 to 112.70): E

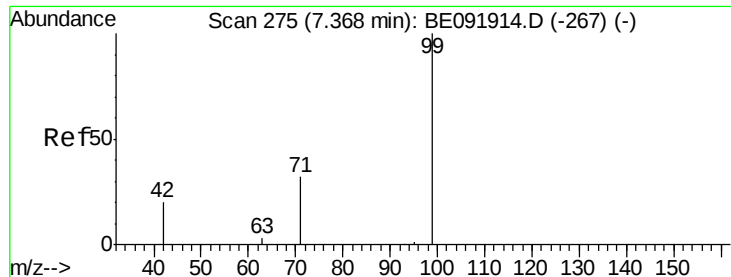
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 1.02 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

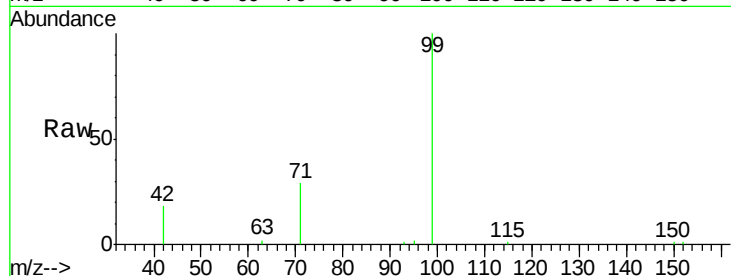
Tgt Ion: 99 Resp: 9376

Ion Ratio Lower Upper

99 100

42 26.1 19.6 29.4

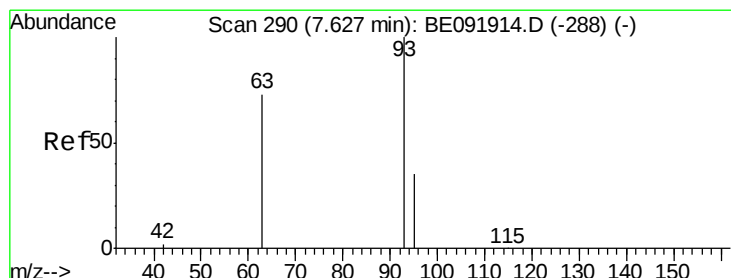
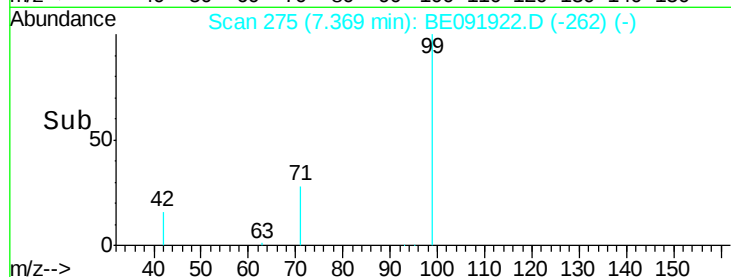
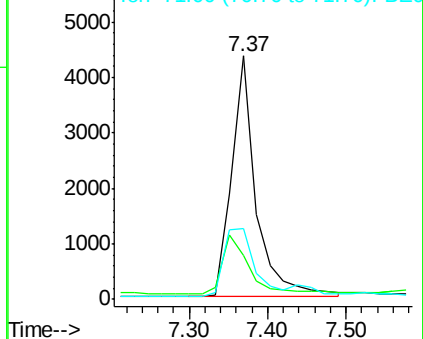
71 35.0 28.1 42.1



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: 0.02 ng

RT: 7.52 min Scan# 284

Delta R.T. -0.09 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

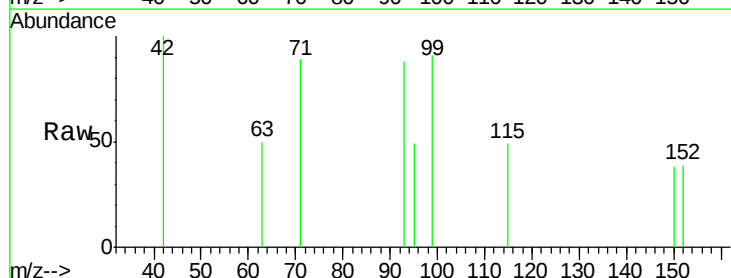
Tgt Ion: 93 Resp: 203

Ion Ratio Lower Upper

93 100

63 0.0 66.2 99.4#

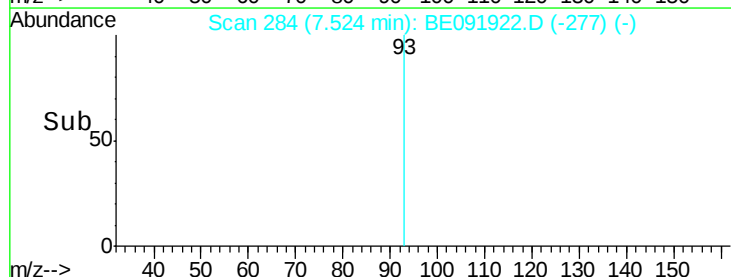
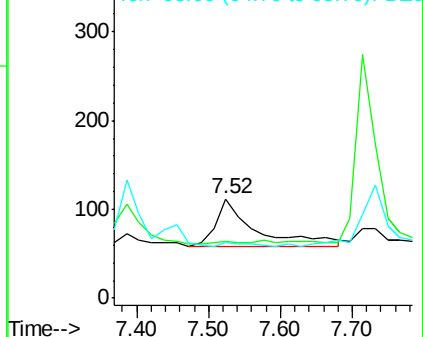
95 5.9 25.5 38.3#

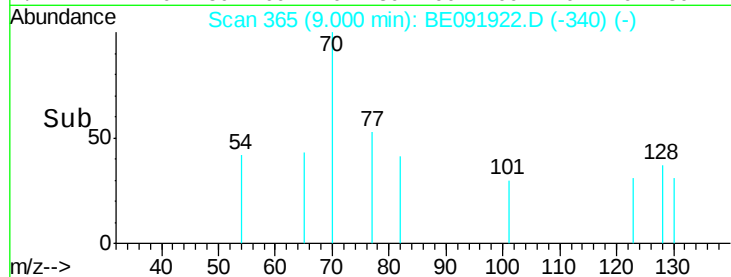
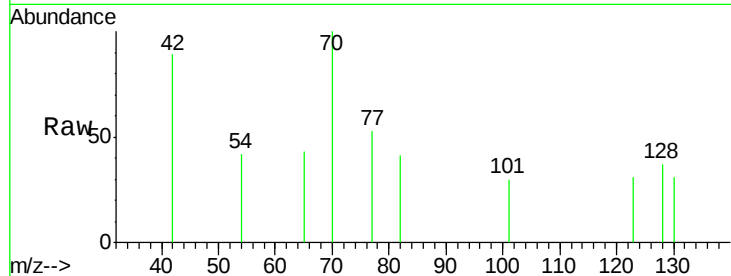
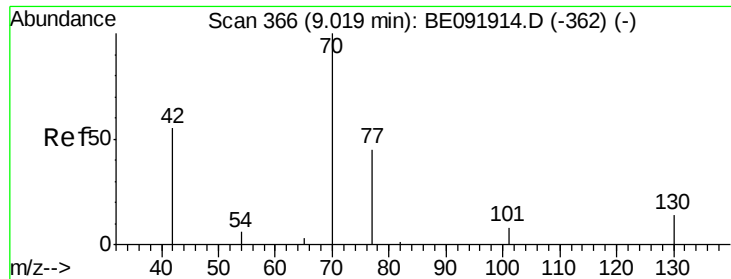


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.15 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

Tgt Ion: 70 Resp: 187

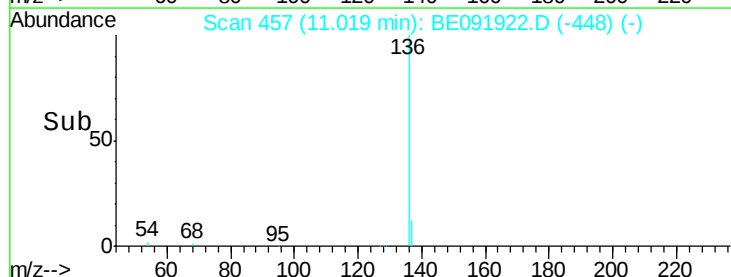
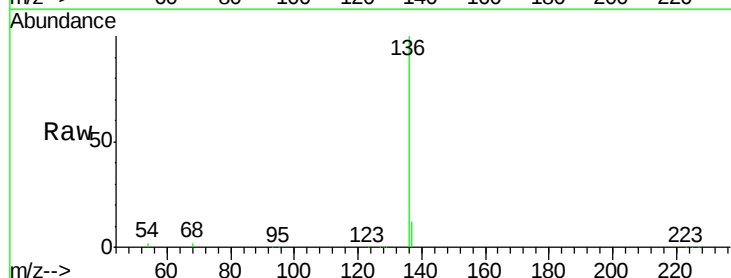
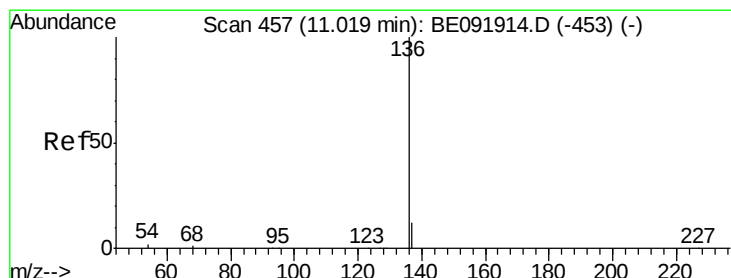
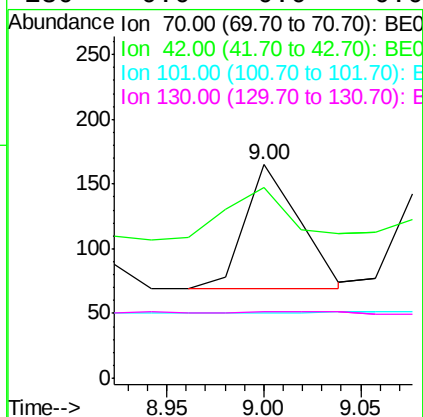
Ion Ratio Lower Upper

70 100

42 48.7 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Tgt Ion: 136 Resp: 146515

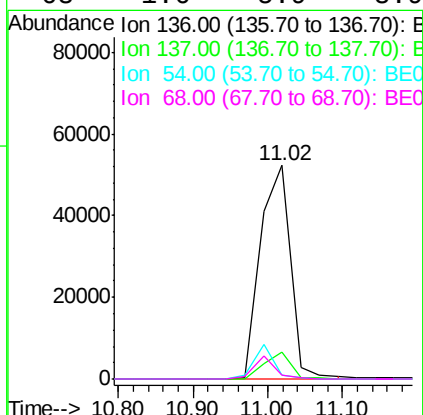
Ion Ratio Lower Upper

136 100

137 12.3 8.3 12.5

54 1.8 8.2 12.4#

68 1.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.01 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

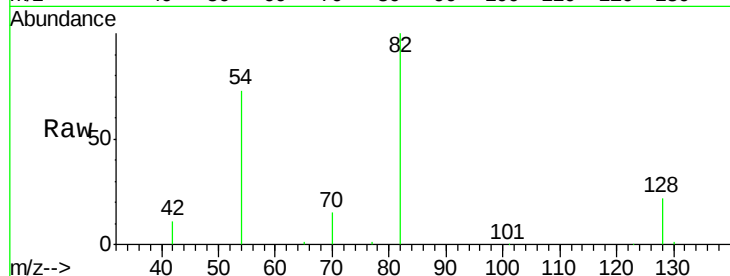
Tgt Ion: 82 Resp: 30427

Ion Ratio Lower Upper

82 100

128 22.5 39.5 59.3#

54 73.4 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

9.36

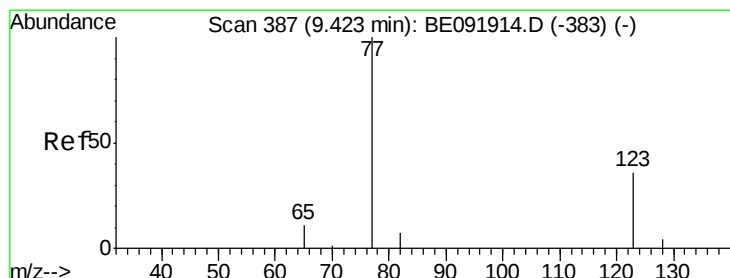
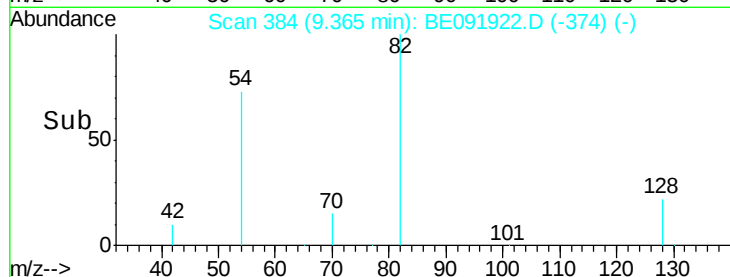
10000

5000

0

Time-->

9.30 9.40 9.50



#10

Nitrobenzene

Concen: 0.06 ng

RT: 9.48 min Scan# 390

Delta R.T. 0.08 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

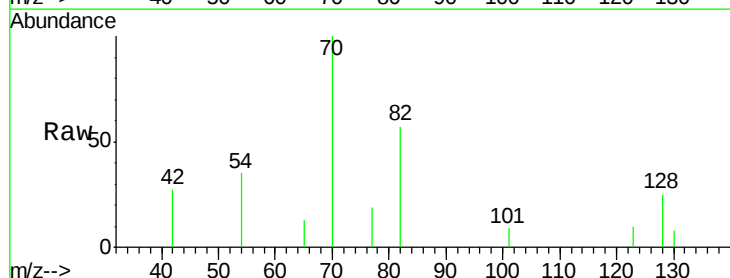
Tgt Ion: 77 Resp: 65

Ion Ratio Lower Upper

77 100

123 55.4 0.0 0.0#

65 72.3 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

9.48

150

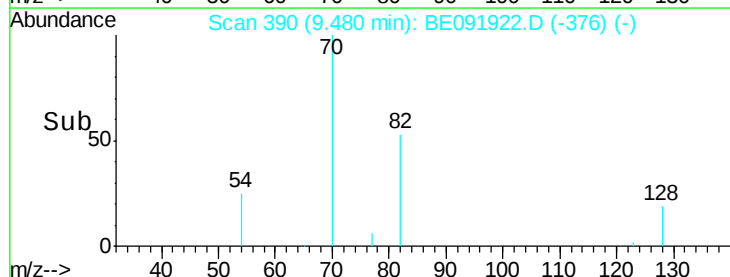
100

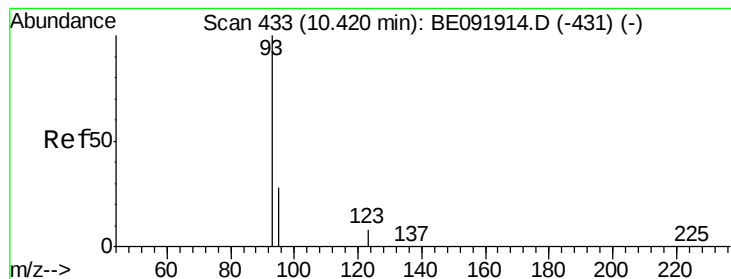
50

0

Time-->

9.40 9.45 9.50 9.55





#11

bis(2-Chloroethoxy)methane

Concen: 0.01 ng

RT: 10.72 min Scan# 445

Delta R.T. 0.30 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

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ClientSampleId :

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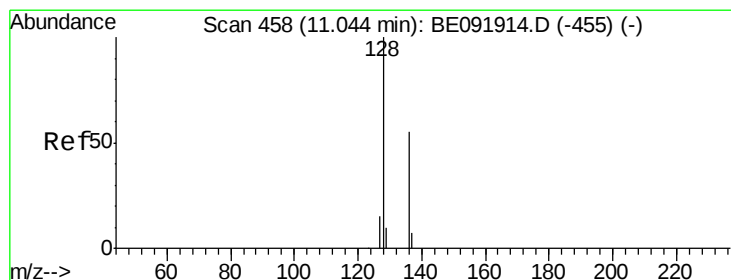
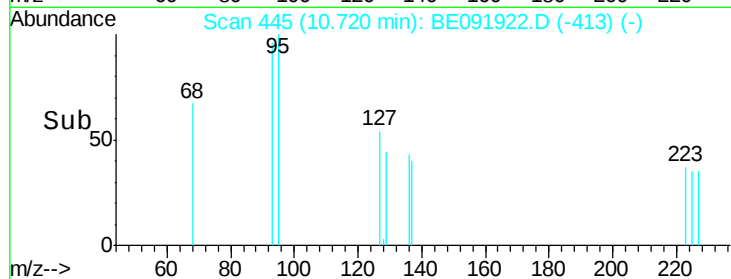
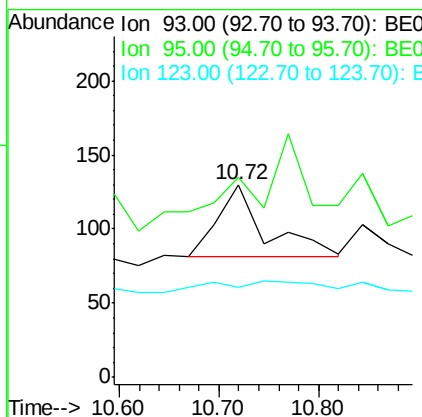
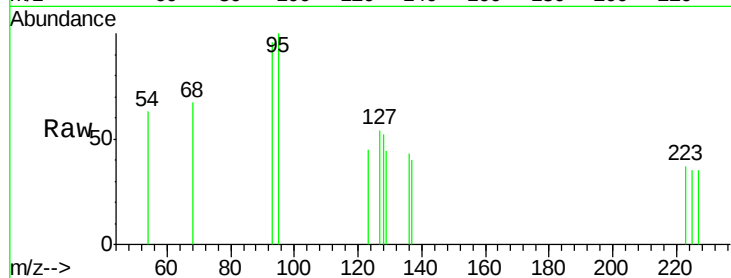
Tgt Ion: 93 Resp: 166

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 0.01 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

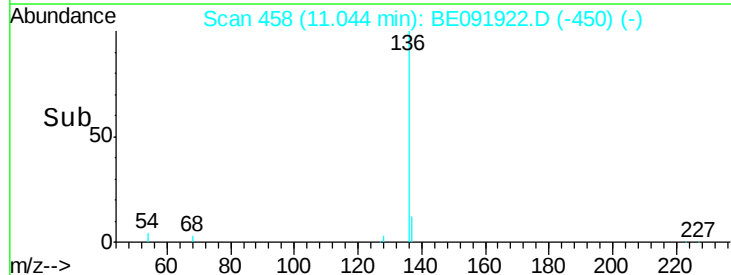
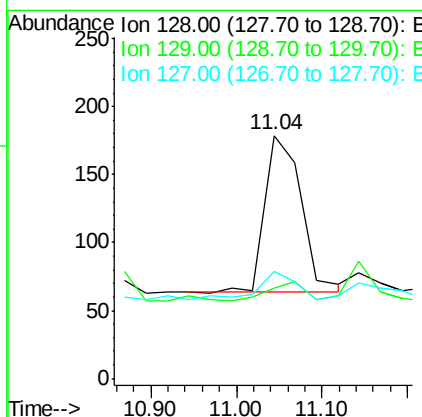
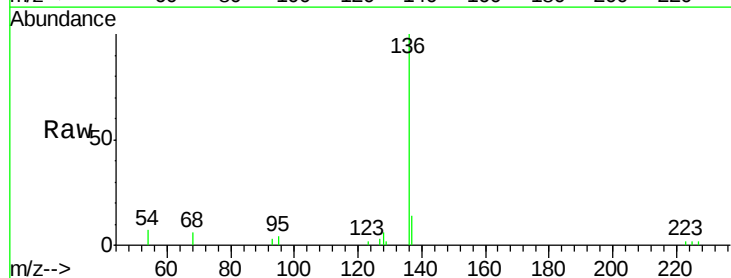
Tgt Ion: 128 Resp: 338

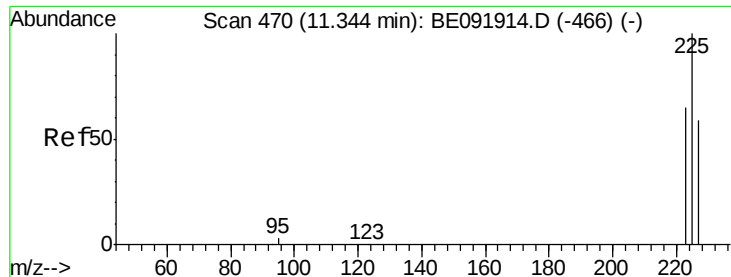
Ion Ratio Lower Upper

128 100

129 37.4 10.4 15.6#

127 44.1 10.2 15.2#

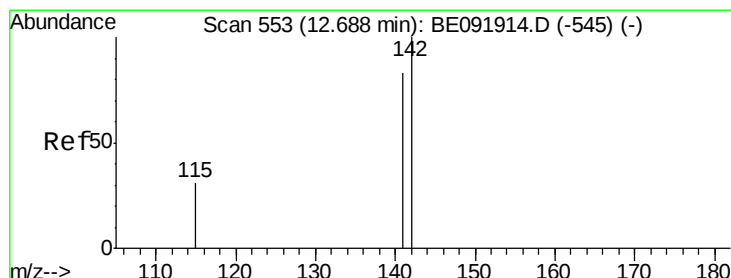
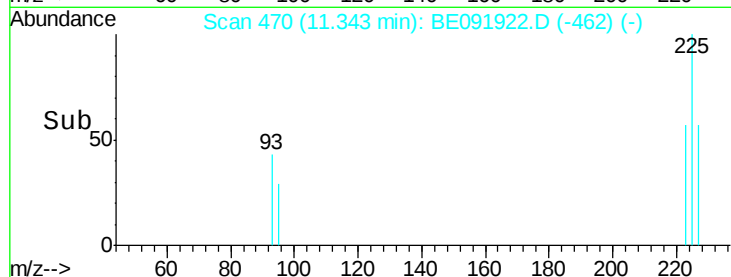
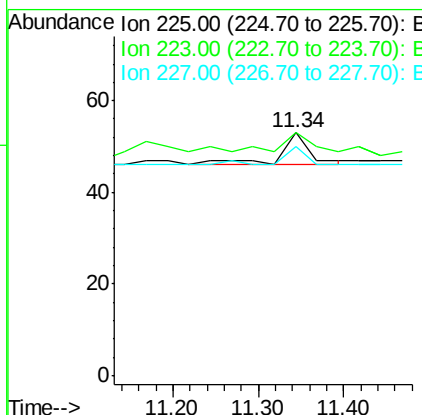
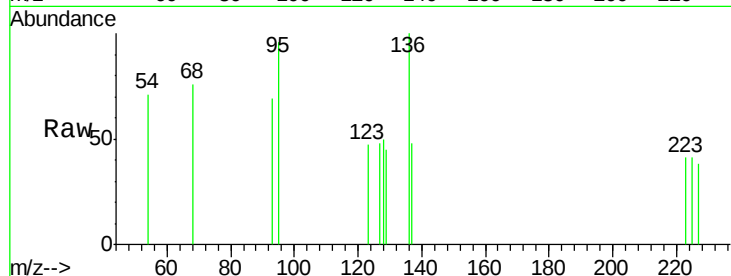




#13
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

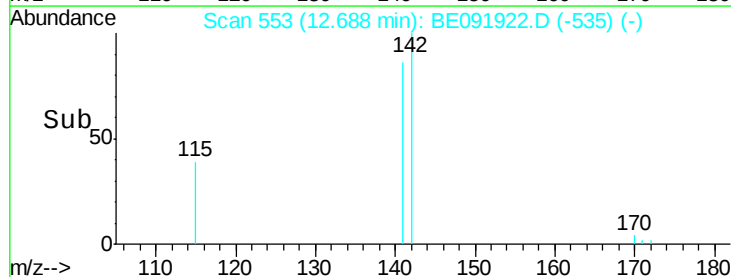
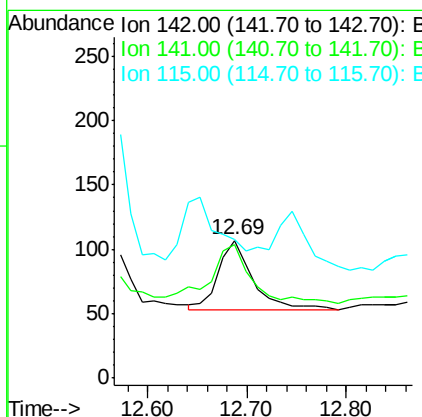
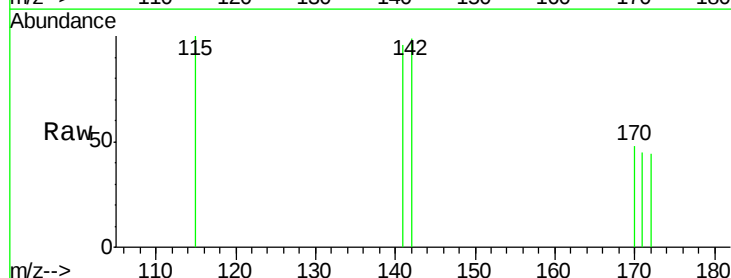
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160531

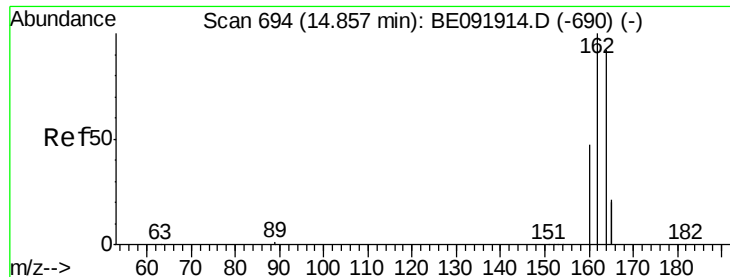
Tgt Ion: 225 Resp: 18
Ion Ratio Lower Upper
225 100
223 105.6 49.8 74.8#
227 38.9 50.6 75.8#



#14
2-Methylnaphthalene
Concen: 0.01 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.01 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

Tgt Ion: 142 Resp: 132
Ion Ratio Lower Upper
142 100
141 97.2 71.9 107.9
115 100.9 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: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

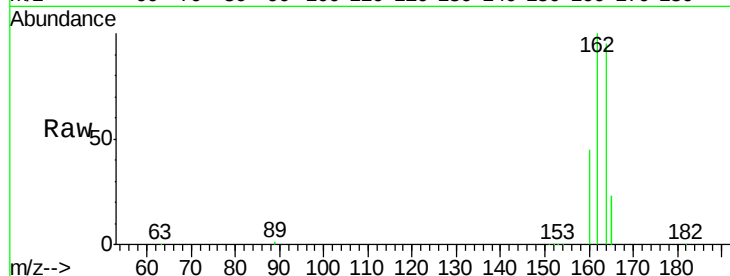
Tgt Ion:164 Resp: 114164

Ion Ratio Lower Upper

164 100

162 105.6 71.8 107.8

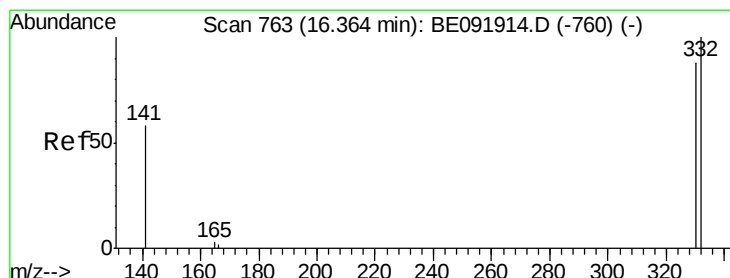
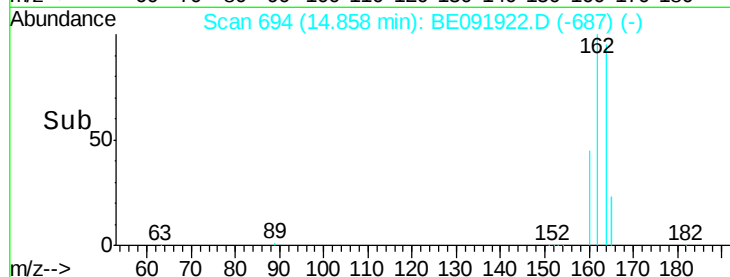
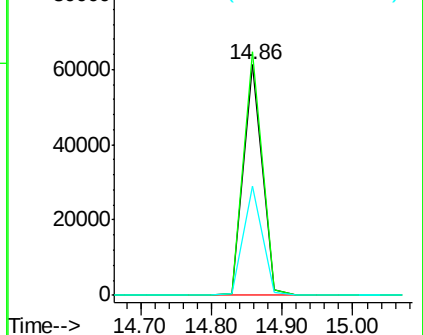
160 47.6 28.0 42.0#



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: 6.59 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

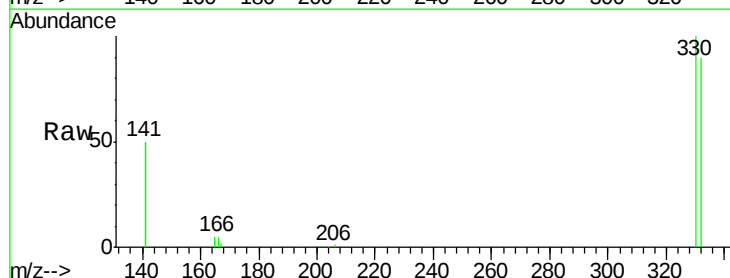
Tgt Ion:330 Resp: 19526

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

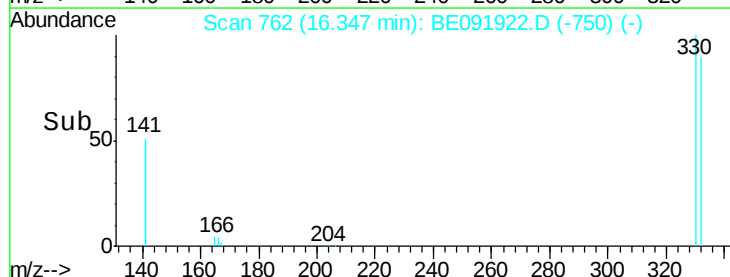
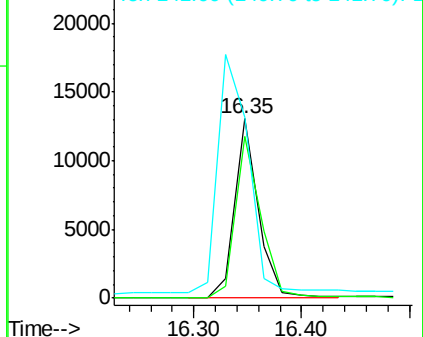
141 175.6 138.4 207.6

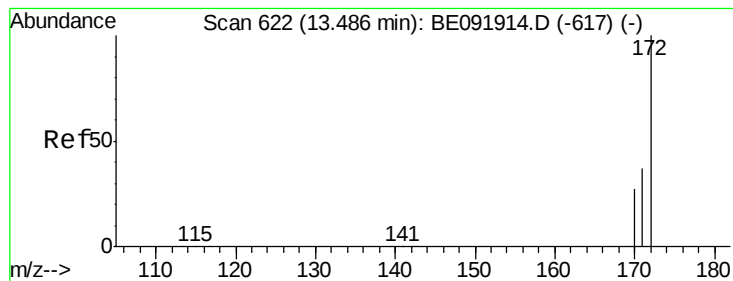


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

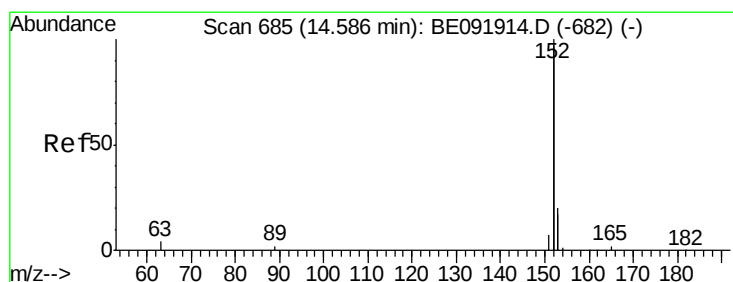
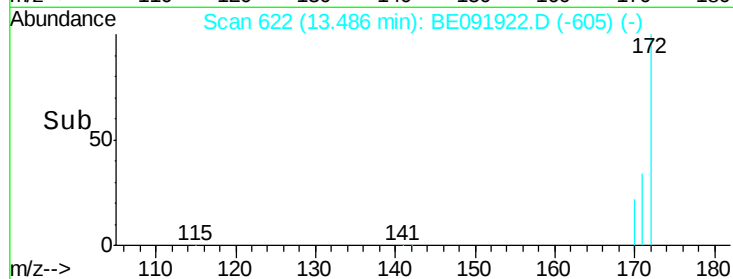
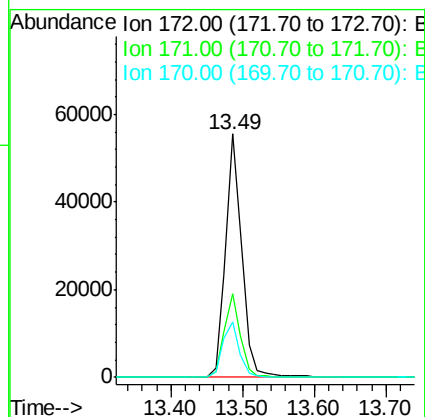
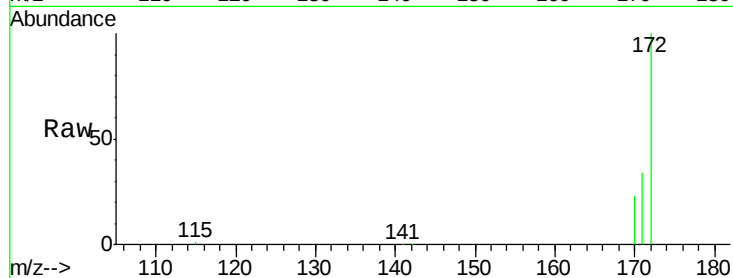




#17
2-Fluorobiphenyl
Concen: 3.02 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

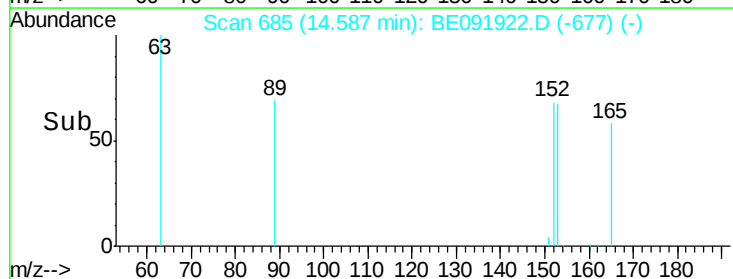
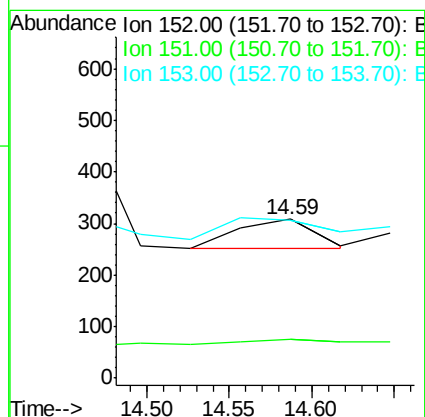
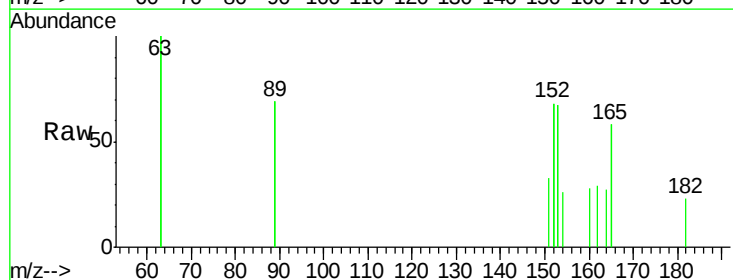
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160531

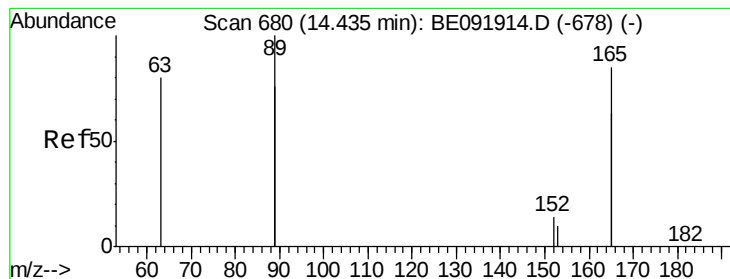
Tgt Ion:172 Resp: 87621
Ion Ratio Lower Upper
172 100
171 34.2 24.3 36.5
170 22.6 14.9 22.3#



#18
Acenaphthylene
Concen: 0.00 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

Tgt Ion:152 Resp: 181
Ion Ratio Lower Upper
152 100
151 23.2 19.4 29.2
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.65 ng

RT: 14.32 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

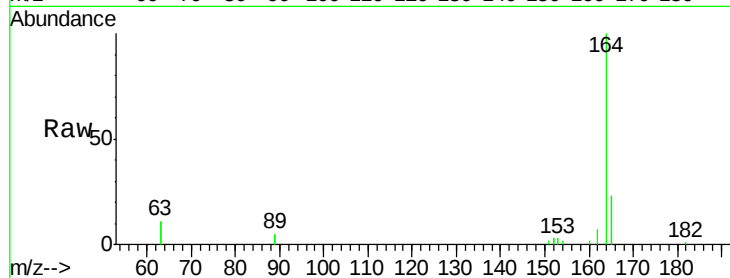
Tgt Ion:165 Resp: 10856

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

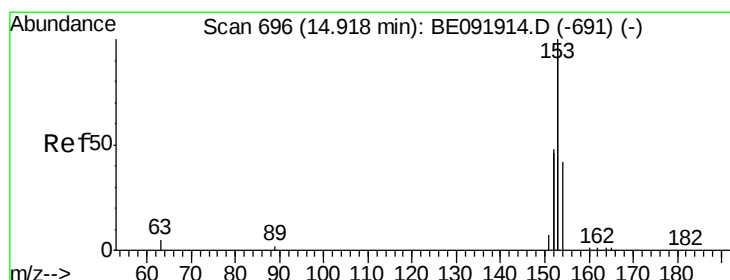
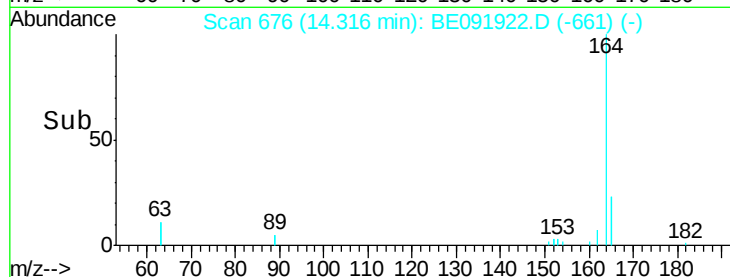
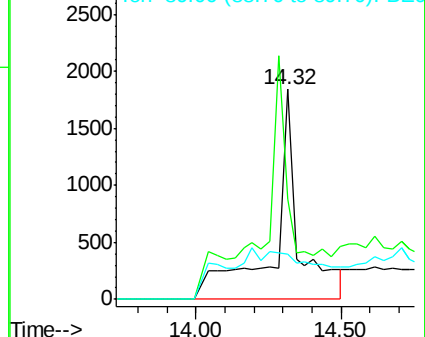
89 0.0 59.1 88.7#



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: 0.02 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.06 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

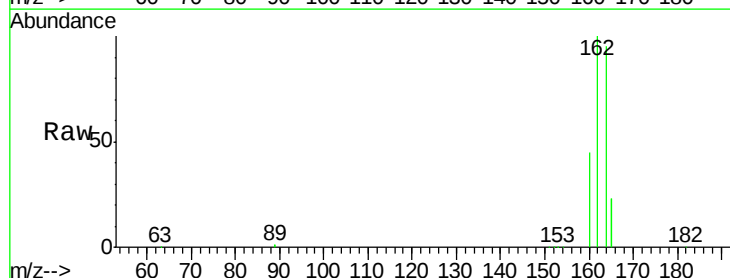
Tgt Ion:154 Resp: 492

Ion Ratio Lower Upper

154 100

153 22.2 88.1 132.1#

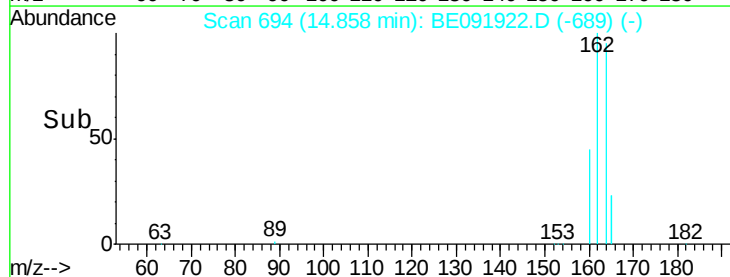
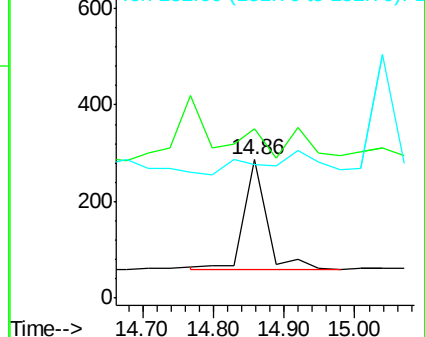
152 0.0 44.2 66.2#

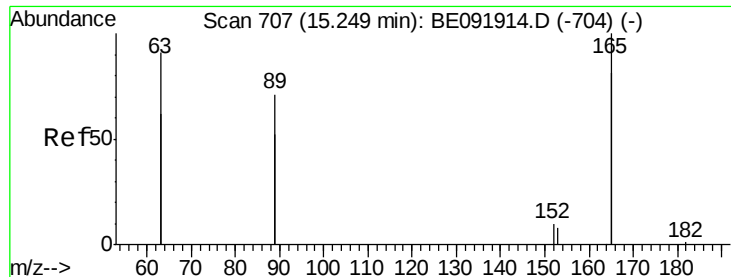


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

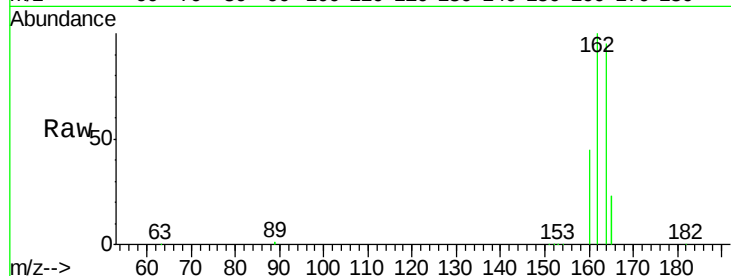




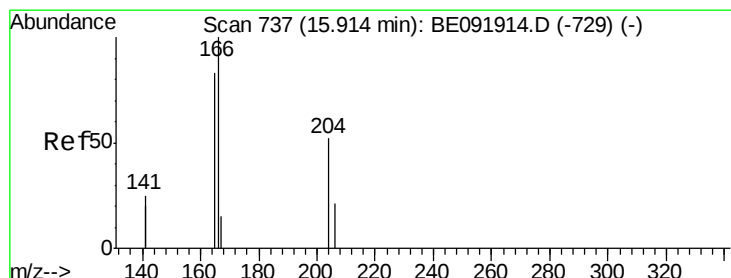
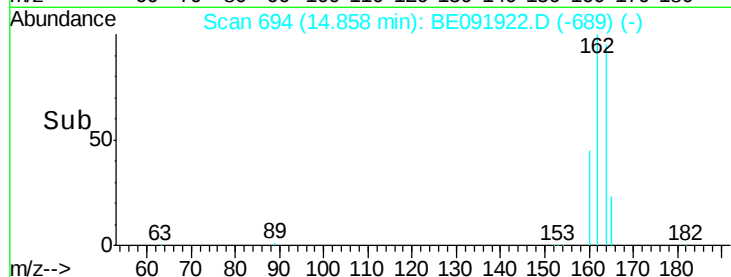
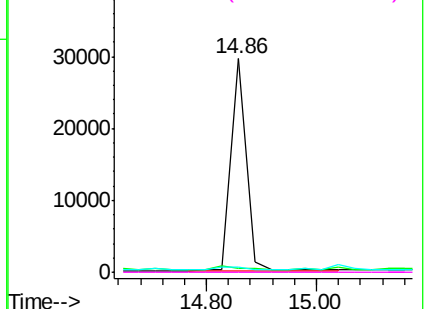
#21
2,4-Dinitrotoluene
Concen: 2.51 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.36 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160531

Tgt Ion:165 Resp: 55837
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

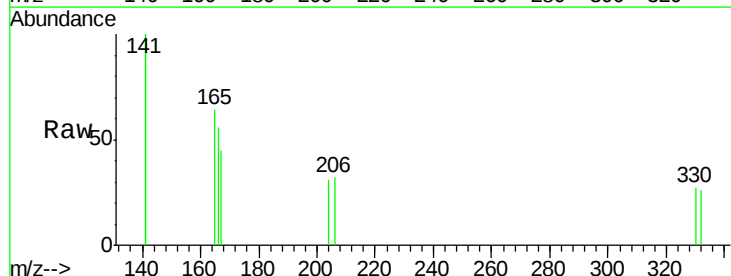


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

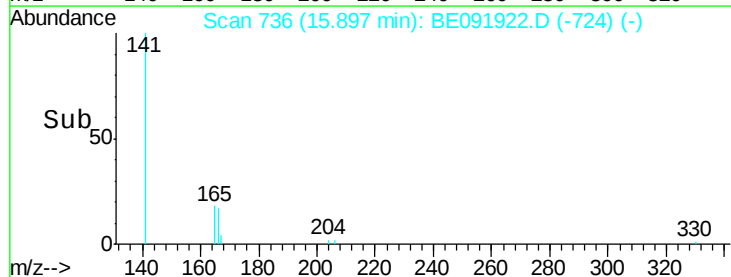
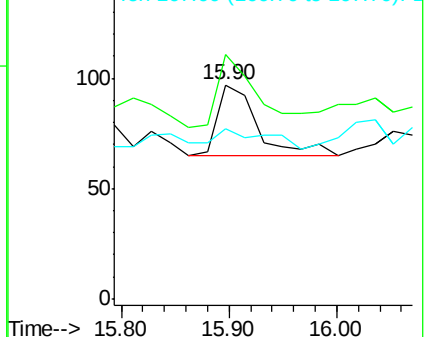


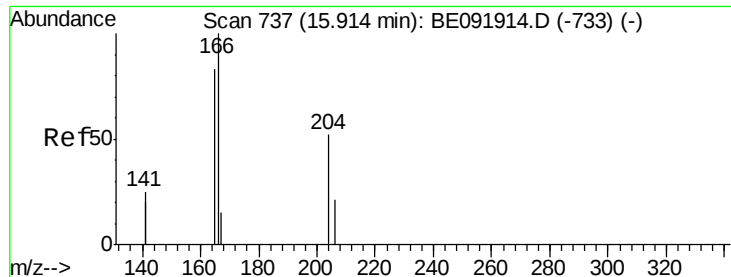
#22
Fluorene
Concen: 0.00 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

Tgt Ion:166 Resp: 82
Ion Ratio Lower Upper
166 100
165 100.0 78.6 117.8
167 32.9 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

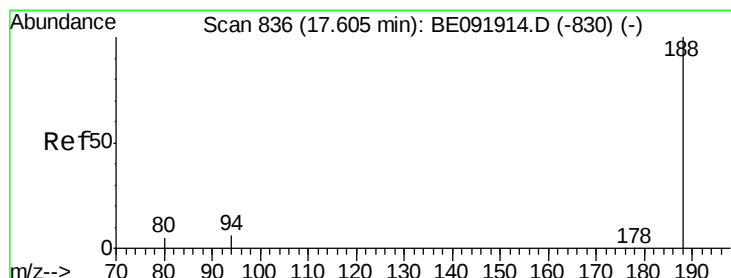
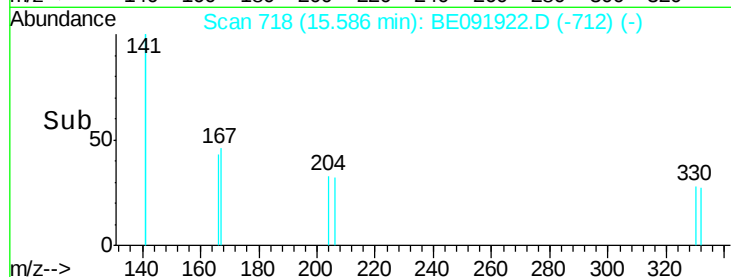
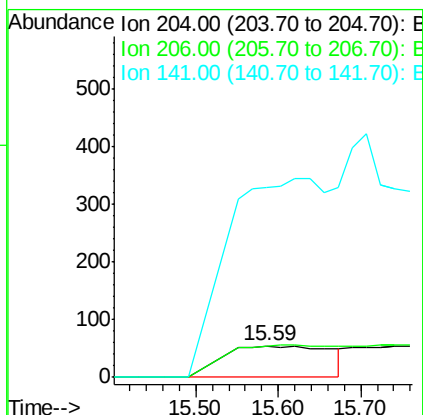
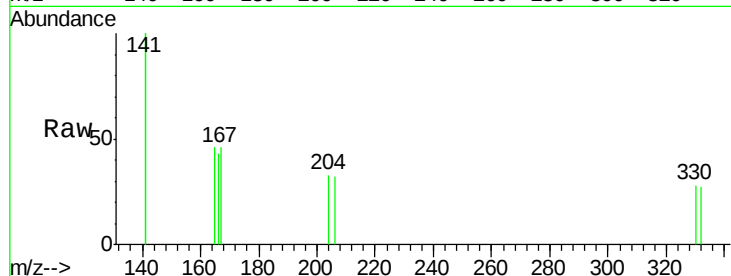




#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.59 min Scan# 718
Delta R.T. -0.31 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

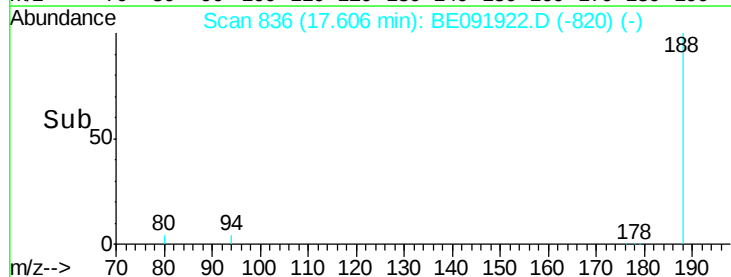
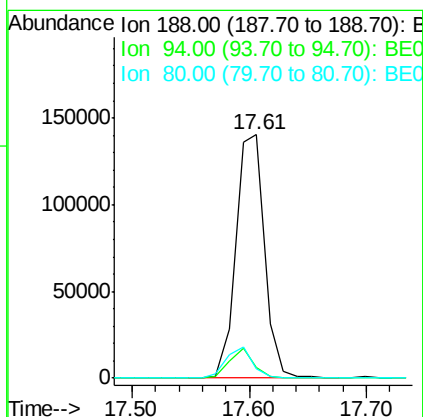
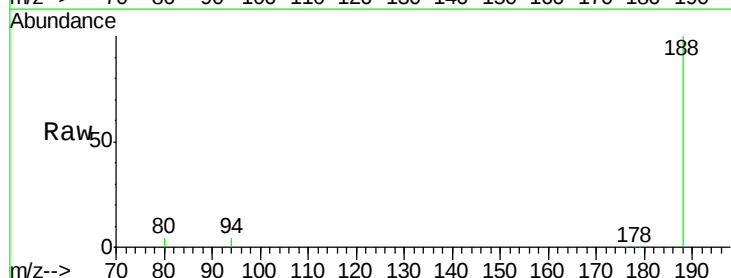
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160531

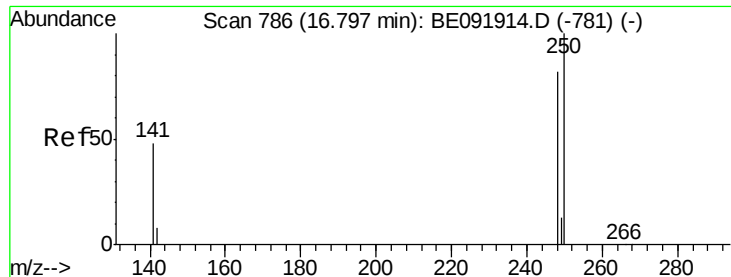
Tgt Ion: 204 Resp: 558
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 0.0 197.6 296.4#



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091922.D
Acq: 15 Jun 2016 13:20

Tgt Ion: 188 Resp: 238447
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 3.7 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 0.00 ng

RT: 16.80 min Scan# 786

Delta R.T. 0.02 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

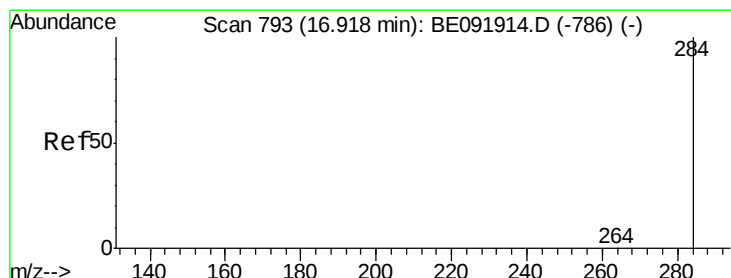
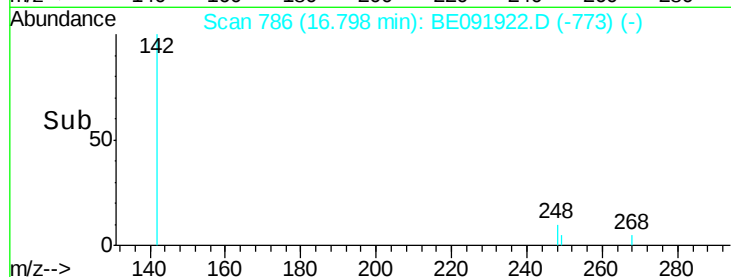
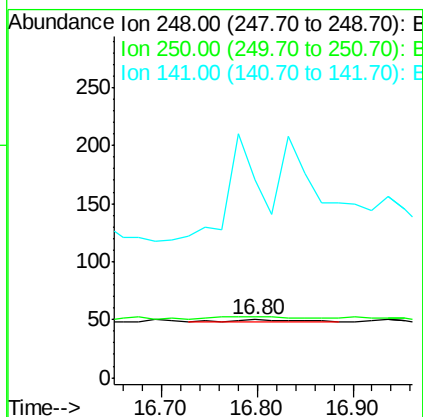
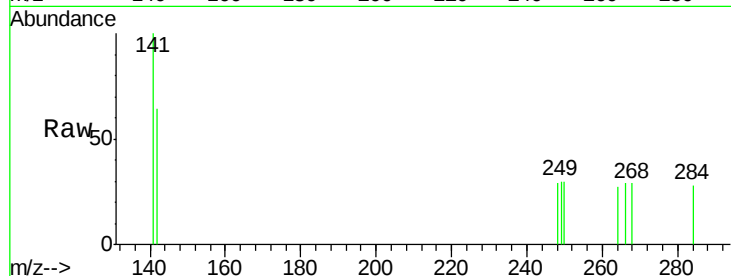
BNA_E

ClientSampleId :

KY038PS027-160531

Tgt Ion:248 Resp: 8

Ion	Ratio	Lower	Upper
248	100		
250	0.0	75.7	113.5#
141	2525.0	64.6	97.0#



#26

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.90 min Scan# 792

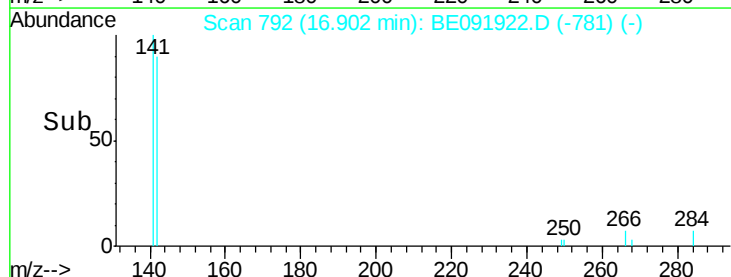
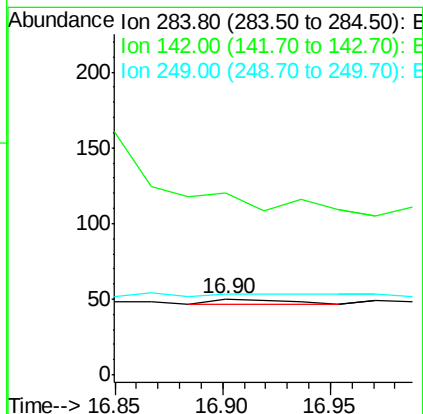
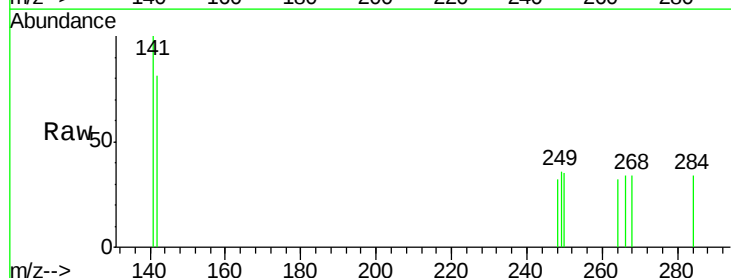
Delta R.T. -0.02 min

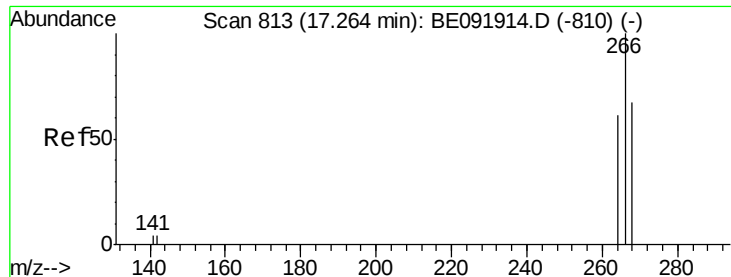
Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Tgt Ion:284 Resp: 6

Ion	Ratio	Lower	Upper
284	100		
142	0.0	31.4	47.2#
249	33.3	25.3	37.9





#27

Pentachlorophenol

Concen: 0.17 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.02 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

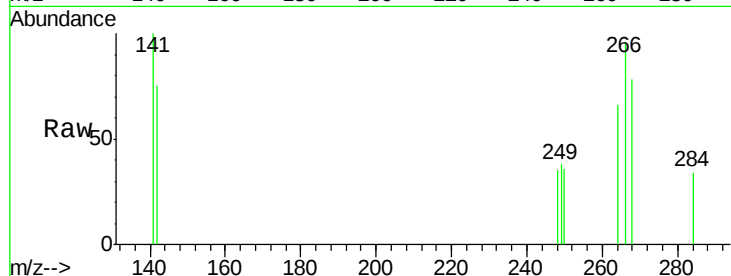
Tgt Ion:266 Resp: 245

Ion Ratio Lower Upper

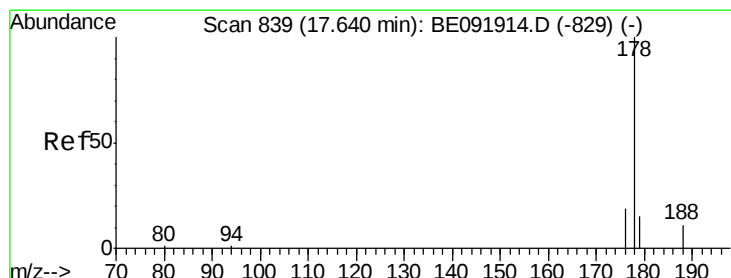
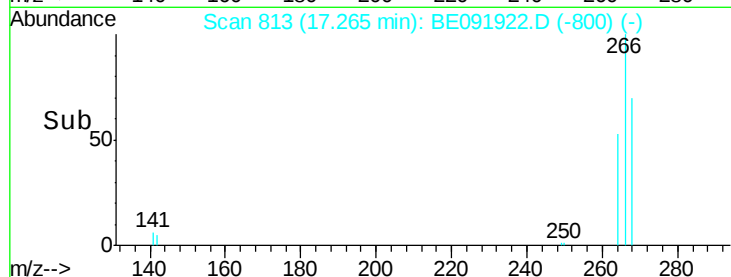
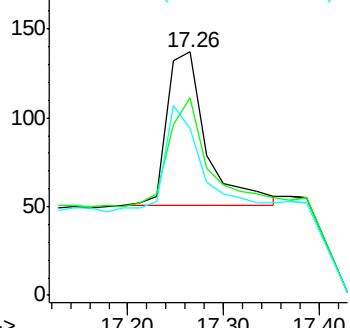
266 100

268 81.0 60.5 90.7

264 68.6 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: 0.01 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

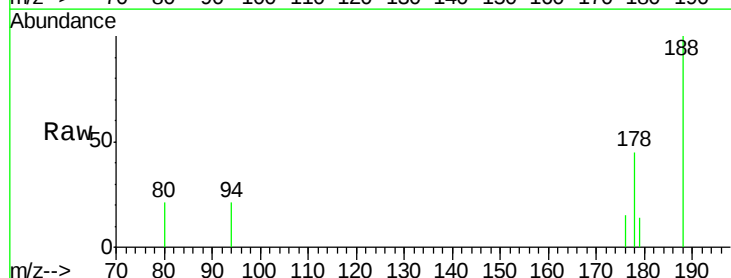
Tgt Ion:178 Resp: 804

Ion Ratio Lower Upper

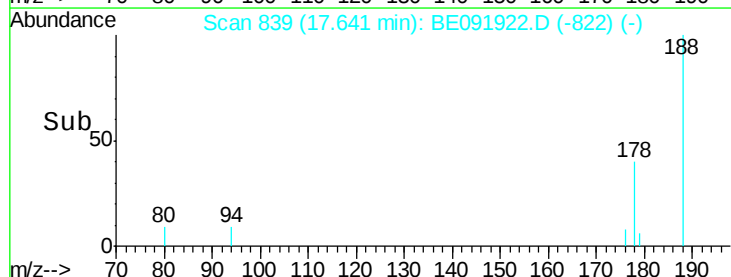
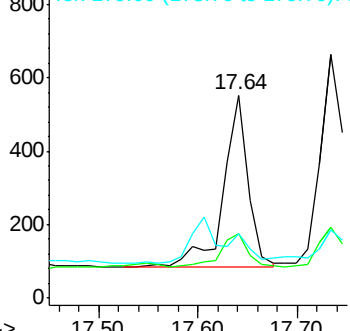
178 100

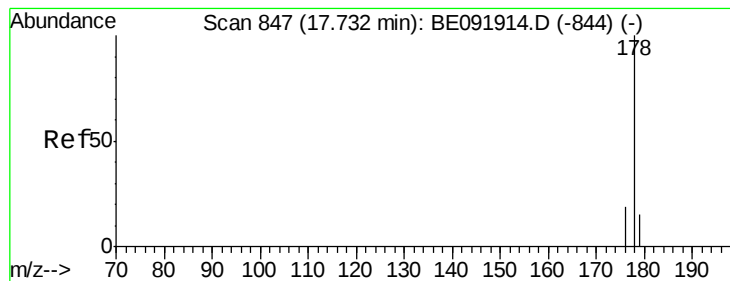
176 21.9 15.4 23.2

179 0.0 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: 0.02 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

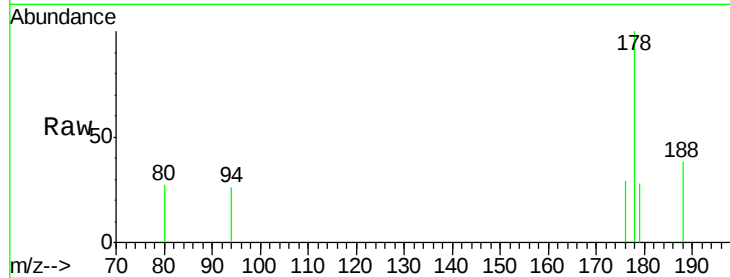
Tgt Ion:178 Resp: 1250

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 11.7 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

17.73

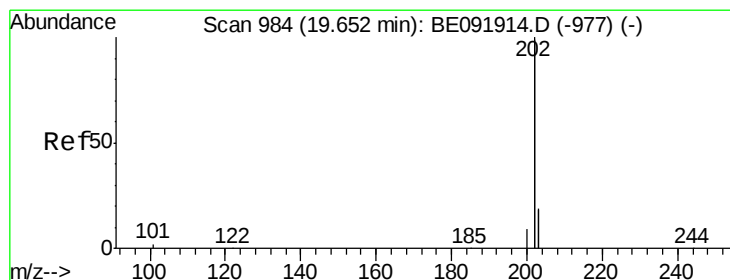
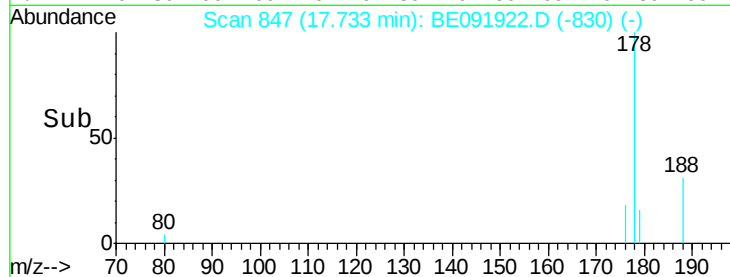
600

400

200

0

Time-->



#30

Fluoranthene

Concen: 0.01 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

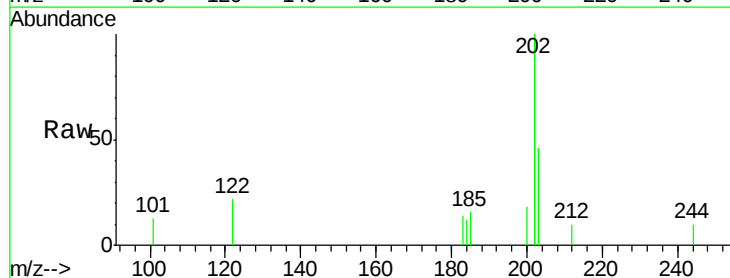
Tgt Ion:202 Resp: 2099

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.0 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

19.65

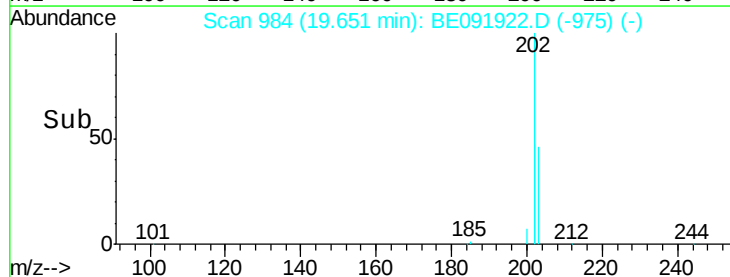
1500

1000

500

0

Time-->





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

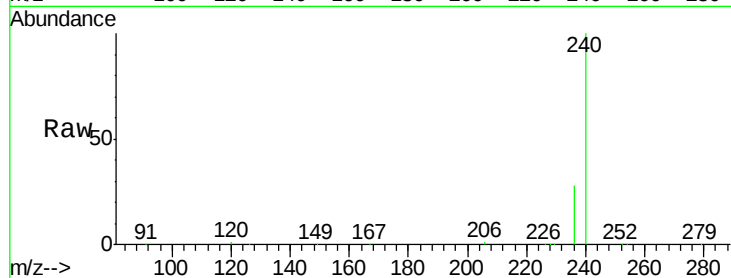
Tgt Ion:240 Resp: 390056

Ion Ratio Lower Upper

240 100

120 1.4 1.2 1.8

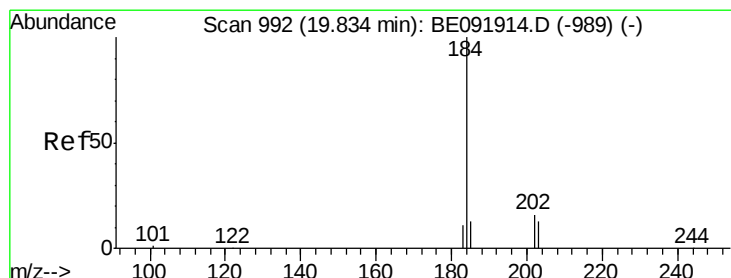
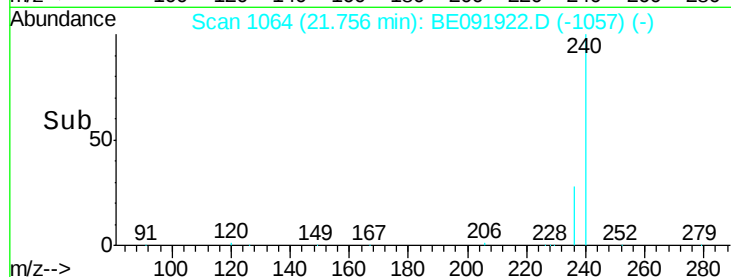
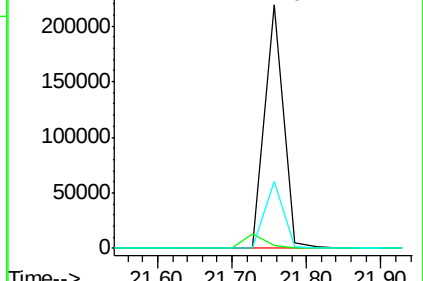
236 27.7 19.8 29.8



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: 0.10 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

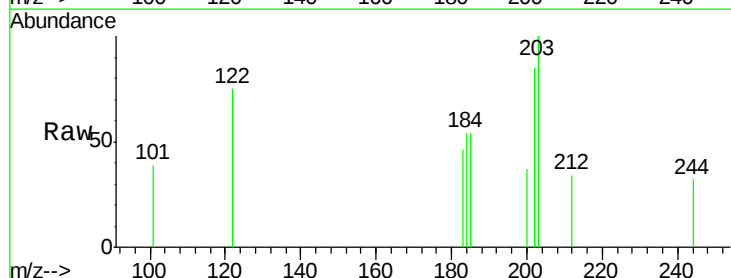
Tgt Ion:184 Resp: 145

Ion Ratio Lower Upper

184 100

185 101.0 11.4 17.2#

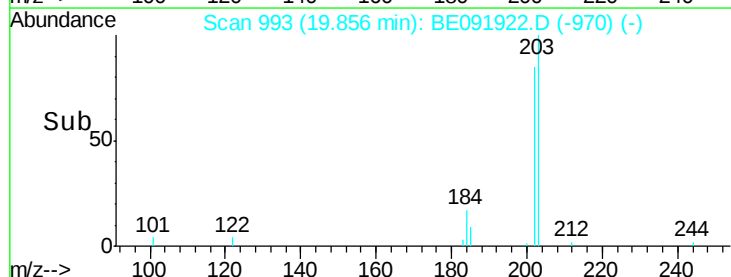
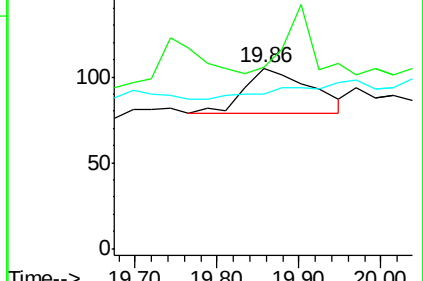
183 85.7 11.8 17.6#

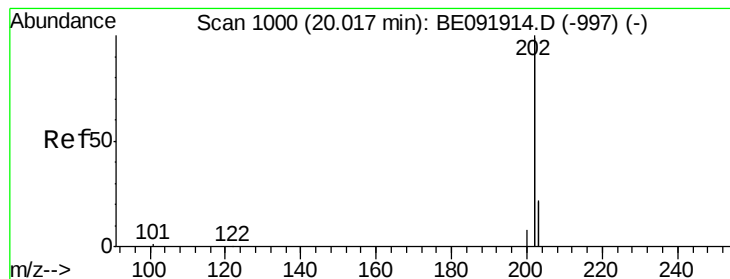


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.01 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

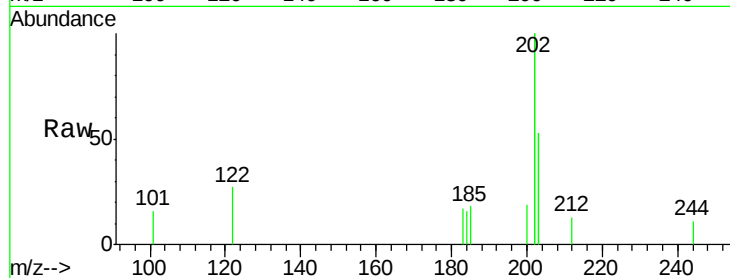
Tgt Ion:202 Resp: 2057

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

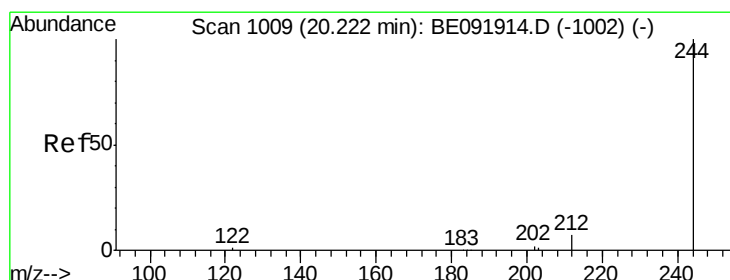
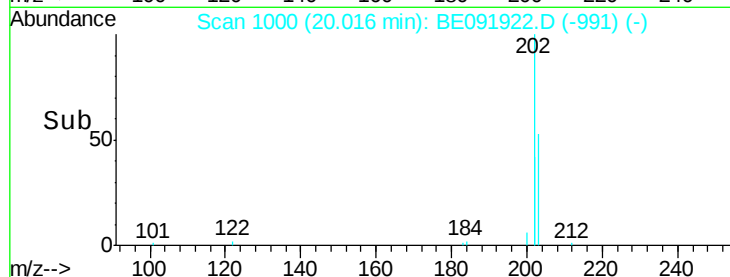
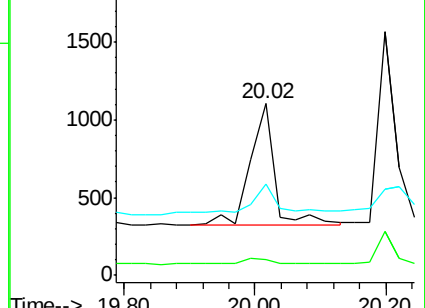
203 32.1 14.1 21.1#



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: 3.30 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

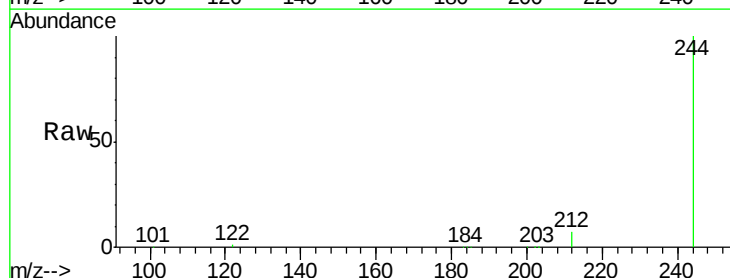
Tgt Ion:244 Resp: 157674

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

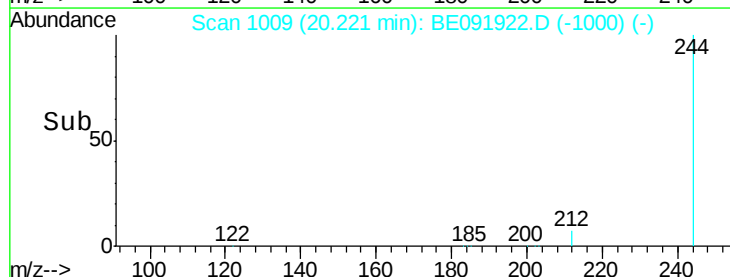
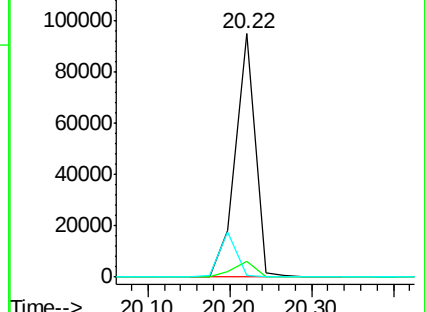
122 0.5 2.9 4.3#

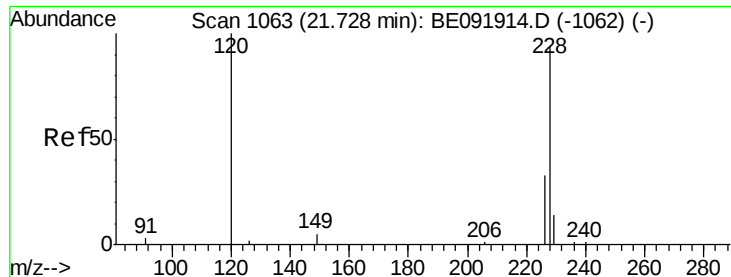


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

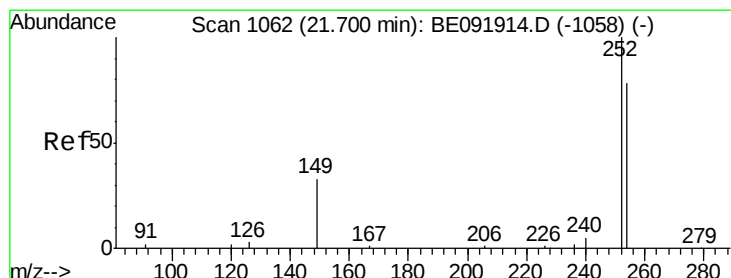
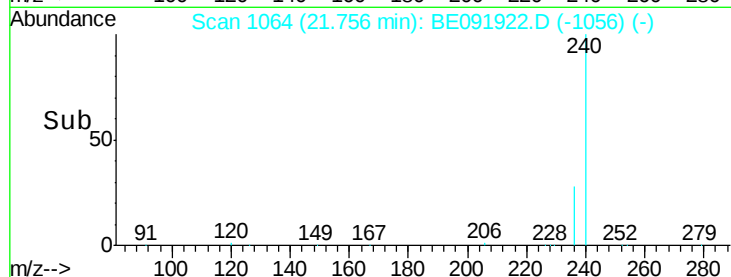
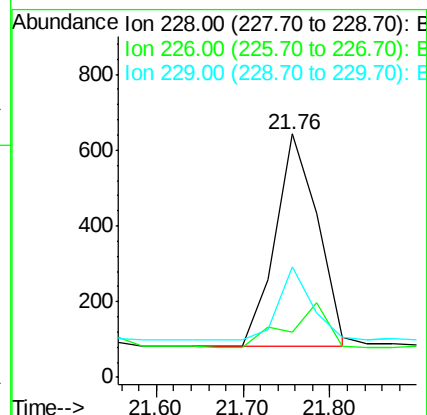
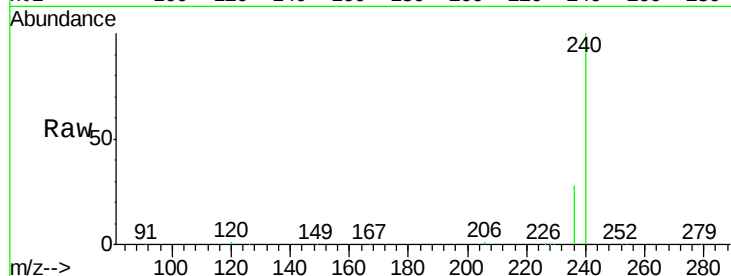
Tgt Ion:228 Resp: 1916

Ion Ratio Lower Upper

228 100

226 18.5 21.0 31.4#

229 45.3 15.8 23.8#



#36

3,3'-Dichlorobenzidine

Concen: 0.01 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.03 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

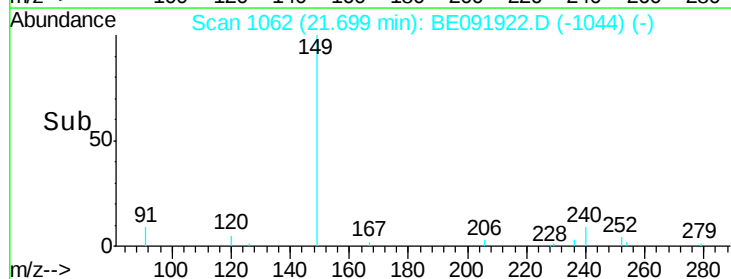
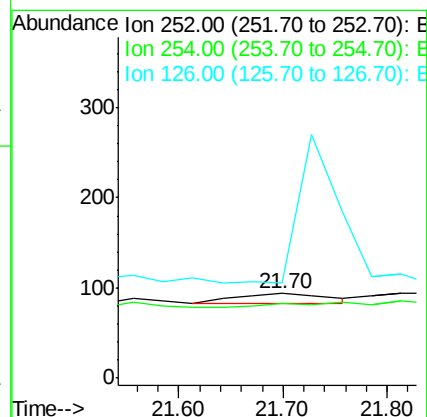
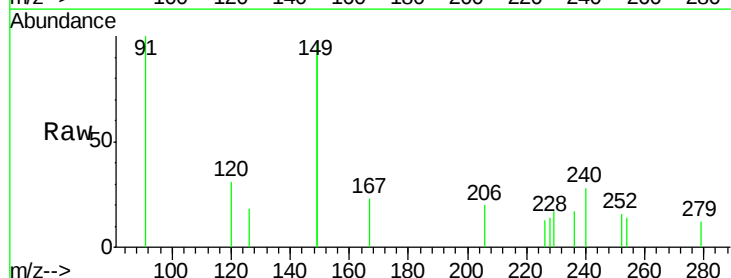
Tgt Ion:252 Resp: 67

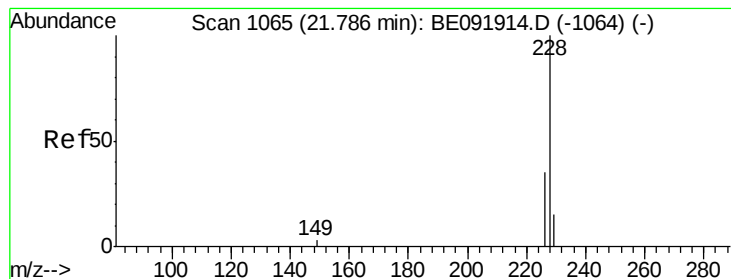
Ion Ratio Lower Upper

252 100

254 88.3 61.5 92.3

126 112.8 2.5 3.7#





#37

Chrysene

Concen: 0.02 ng

RT: 21.76 min Scan# 1064

Delta R.T. -0.03 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

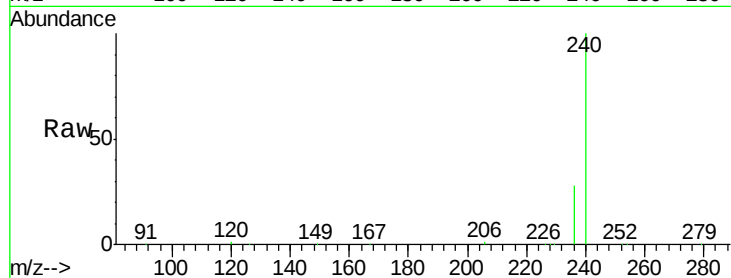
Tgt Ion:228 Resp: 1928

Ion Ratio Lower Upper

228 100

226 18.5 27.0 40.6#

229 45.3 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

21.76

600

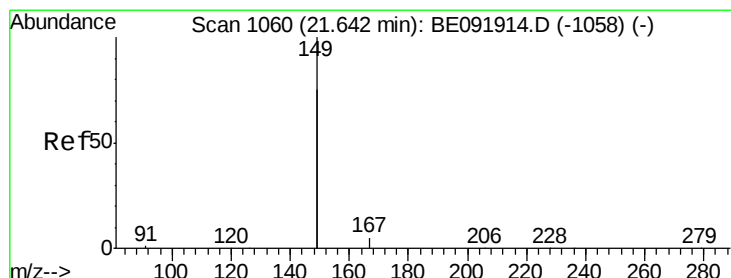
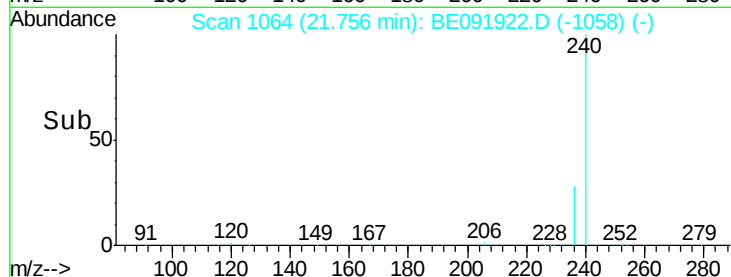
400

200

0

21.60 21.70 21.80 21.90

Time-->



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

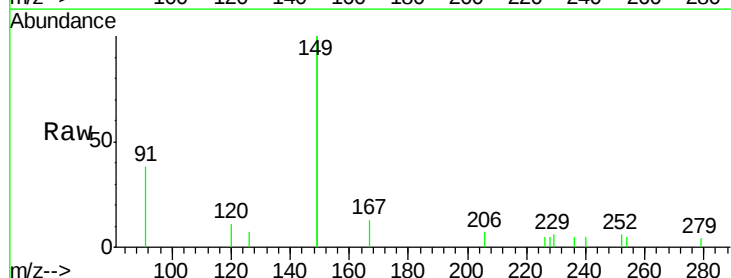
Tgt Ion:149 Resp: 6592

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

279 0.0 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

21.64

4000

3000

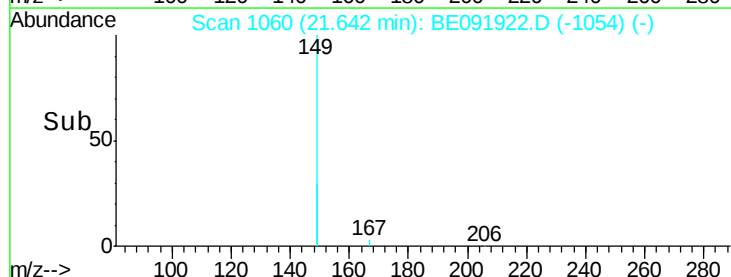
2000

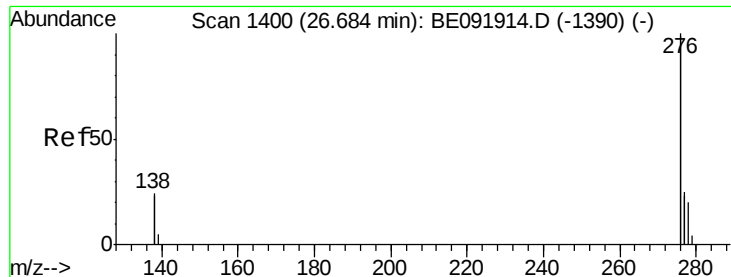
1000

0

21.60 21.70

Time-->





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 26.69 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

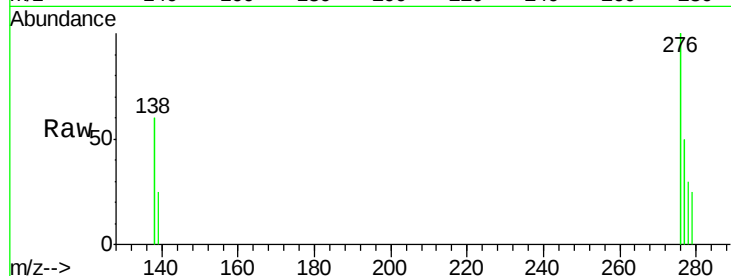
Tgt Ion:276 Resp: 1910

Ion Ratio Lower Upper

276 100

138 36.3 19.7 29.5#

277 26.1 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

26.69

600

400

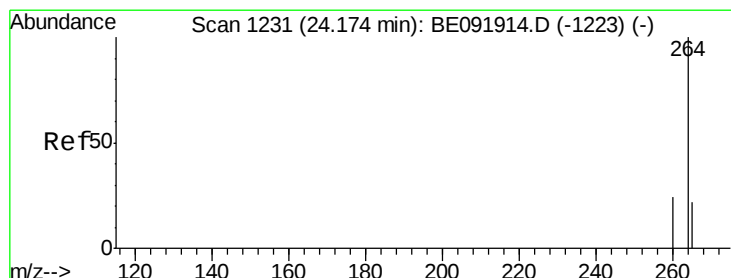
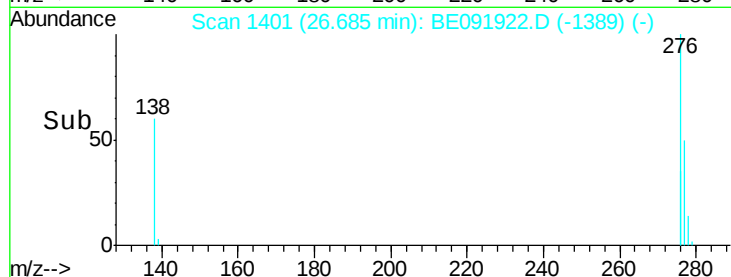
200

0

26.60

26.80

Time-->



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

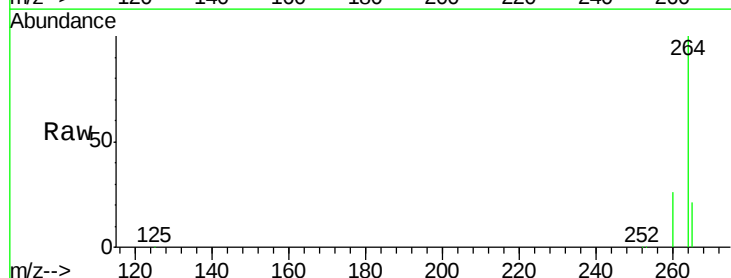
Tgt Ion:264 Resp: 278282

Ion Ratio Lower Upper

264 100

260 25.9 20.3 30.5

265 21.0 17.6 26.4



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

24.16

150000

100000

50000

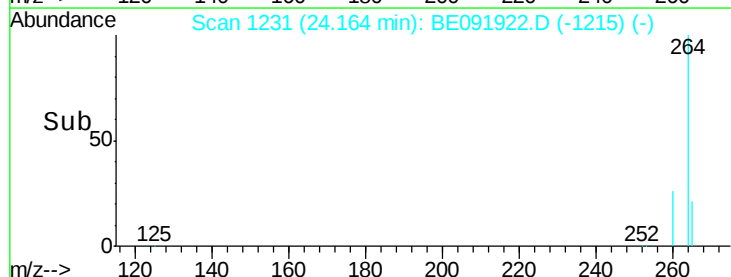
0

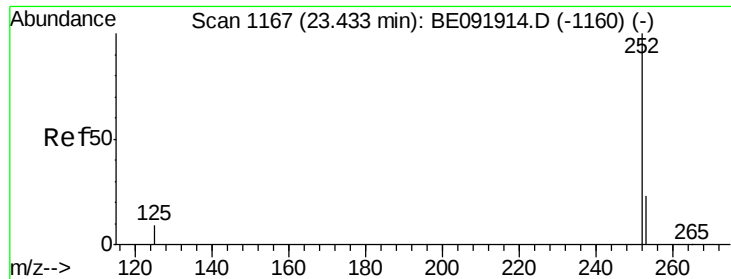
24.00

24.20

24.40

Time-->





#41

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531

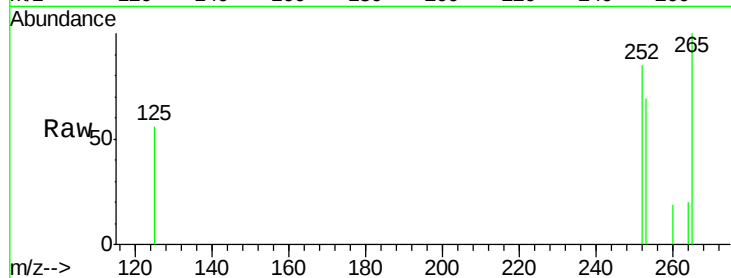
Tgt Ion:252 Resp: 405

Ion Ratio Lower Upper

252 100

253 81.6 17.8 26.6#

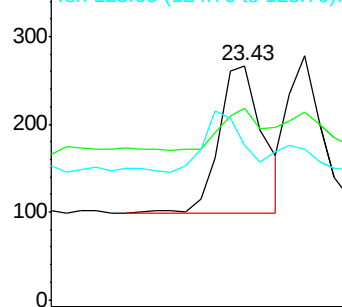
125 65.9 9.4 14.2#



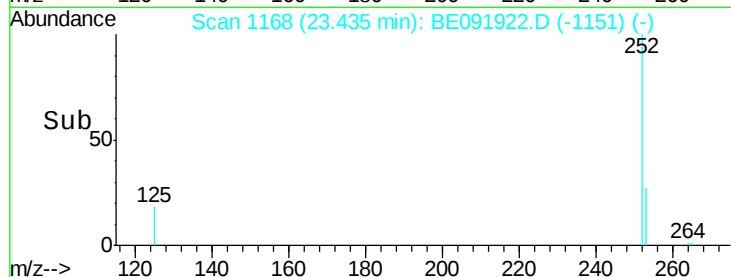
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.30 23.40



#42

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

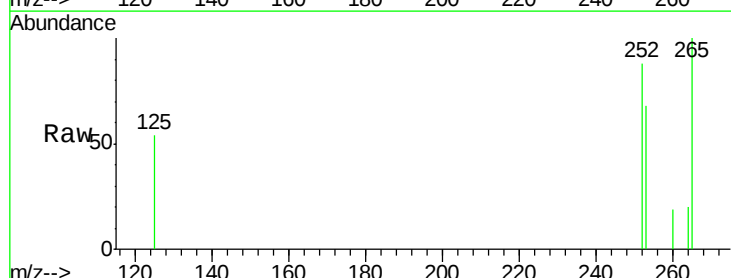
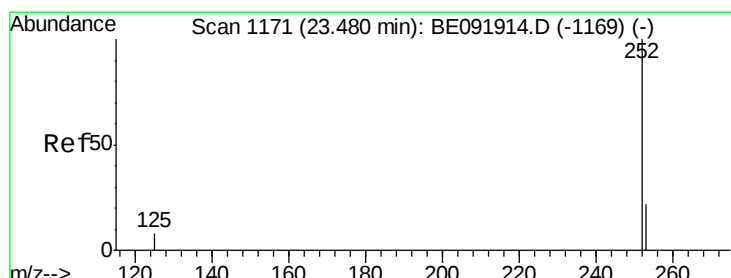
Tgt Ion:252 Resp: 333

Ion Ratio Lower Upper

252 100

253 77.0 19.4 29.2#

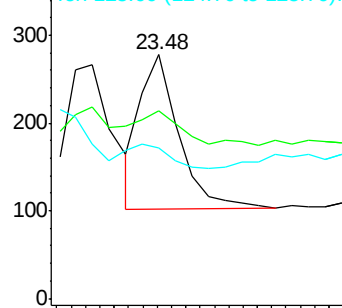
125 61.5 8.3 12.5#



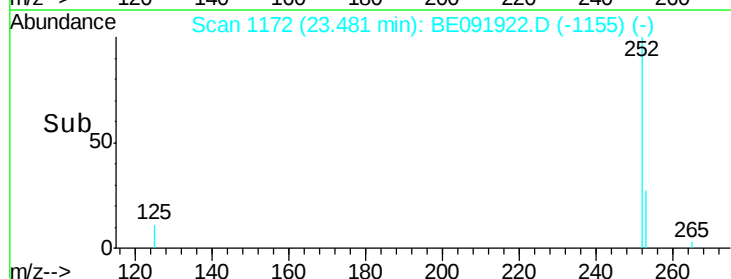
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.45 23.50 23.55





#43

Benzo(a)pyrene

Concen: 0.01 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091922.D

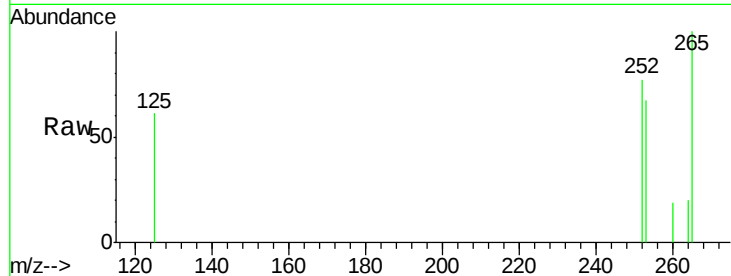
Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531



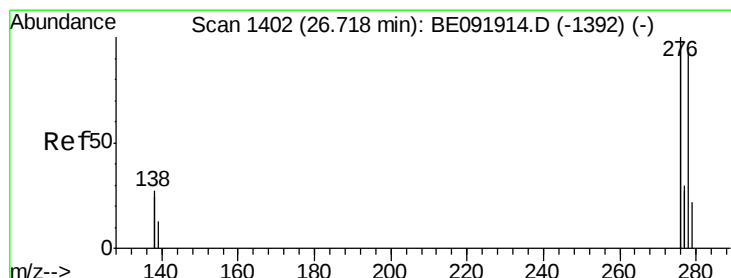
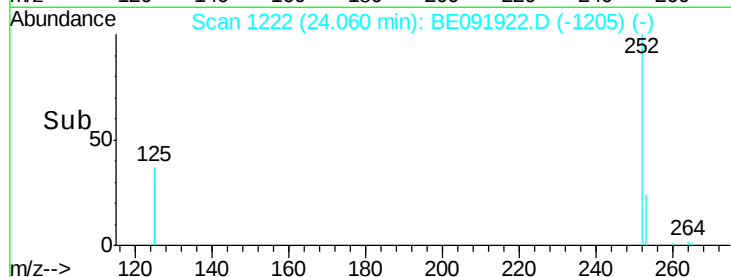
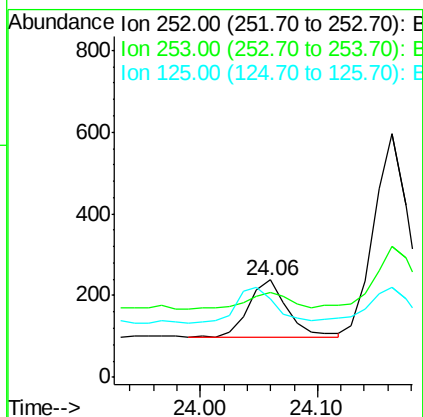
Tgt Ion: 252 Resp: 326

Ion Ratio Lower Upper

252 100

253 87.0 18.9 28.3#

125 80.3 10.5 15.7#



#44

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091922.D

Acq: 15 Jun 2016 13:20

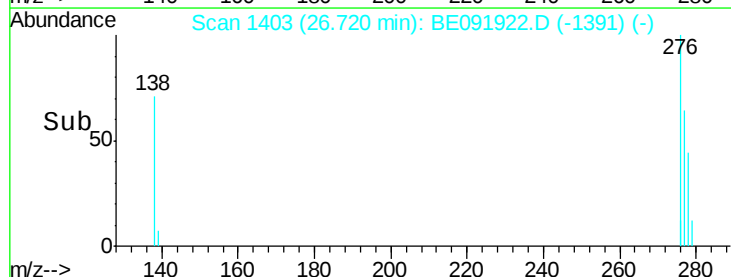
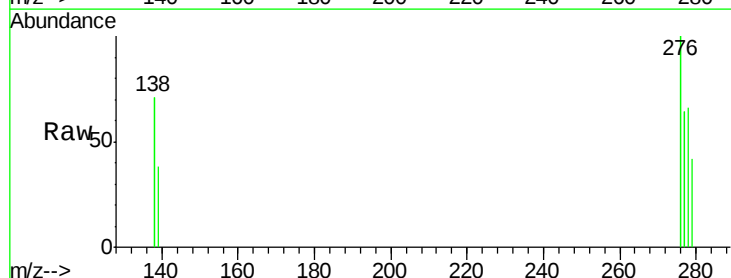
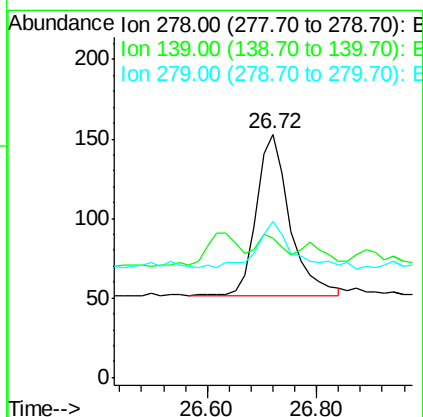
Tgt Ion: 278 Resp: 440

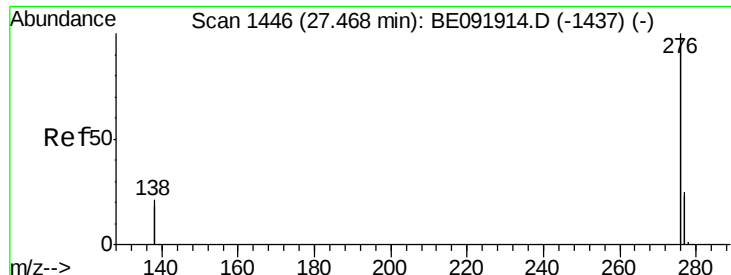
Ion Ratio Lower Upper

278 100

139 57.5 12.6 18.8#

279 64.1 20.0 30.0#





#45

Benzo(g,h,i)perylene

Concen: 0.01 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091922.D

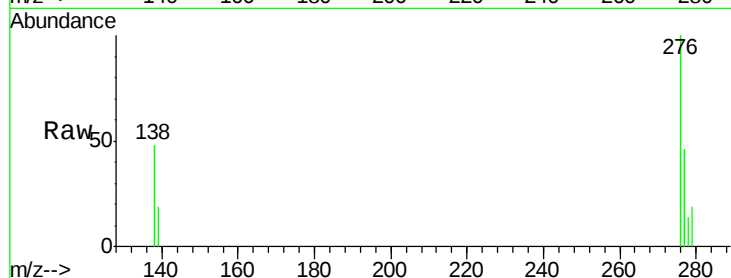
Acq: 15 Jun 2016 13:20

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160531



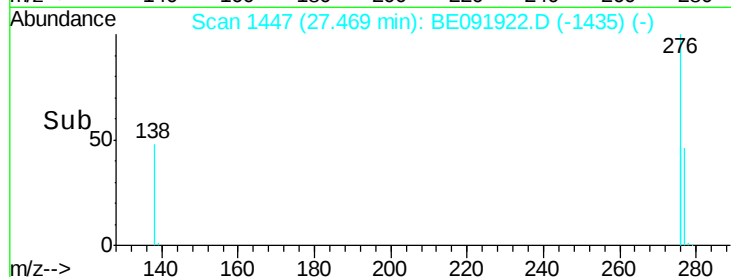
Tgt Ion: 276 Resp: 2212

Ion Ratio Lower Upper

276 100

277 46.3 19.5 29.3#

138 48.4 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

