

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092091.D
 Acq On : 1 Aug 2016 13:40
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 16:00:39 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 15:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9313	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	41003	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	20756	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	82584	5.00	ng	0.00
31) Chrysene-d12	21.74	240	95874	5.00	ng	0.00
40) Perylene-d12	24.15	264	86975	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	2283	1.10	ng	0.00
5) Phenol-d6	7.33	99	2541	0.92	ng	0.00
9) Nitrobenzene-d5	9.35	82	2400	0.79	ng	0.00
16) 2,4,6-Tribromophenol	16.34	330	1106	1.52	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	6265	0.75	ng	0.00
34) Terphenyl-d14	20.21	244	10594	0.59	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	1029	0.80	ng	99
3) n-Nitrosodimethylamine	3.78	42	1348	0.88	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	2208	0.82	ng	98
7) n-Nitroso-di-n-propylamine	8.98	70	2018	0.91	ng	97
10) Nitrobenzene	9.38	77	2580	0.87	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	3406	1.00	ng	96
12) Naphthalene	11.02	128	7370	0.82	ng	95
13) Hexachlorobutadiene	11.32	225	1219	0.91	ng	# 96
14) 2-Methylnaphthalene	12.65	142	4869	0.84	ng	91
18) Acenaphthylene	14.58	152	36459	0.68	ng	# 95
19) 2,6-Dinitrotoluene	14.46	165	4910	0.89	ng	# 100
20) Acenaphthene	14.92	154	4829	0.85	ng	# 60
21) 2,4-Dinitrotoluene	15.25	165	6549	0.94	ng	# 1
22) Fluorene	15.89	166	7506	0.84	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	3924	0.90	ng	# 37
25) 4-Bromophenyl-phenylether	16.76	248	2220	0.65	ng	98
26) Hexachlorobenzene	16.90	284	2220	0.63	ng	98
27) Pentachlorophenol	17.26	266	242	0.25	ng	96
28) Phenanthrene	17.62	178	17515	0.83	ng	93
29) Anthracene	17.72	178	13358	0.70	ng	100
30) Fluoranthene	19.64	202	54422	0.58	ng	# 92
32) Benzidine	19.81	184	5025	1.06	ng	# 89
33) Pyrene	19.98	202	81432	0.66	ng	96
35) Benzo(a)anthracene	21.72	228	37057	0.81	ng	92
36) 3,3'-Dichlorobenzidine	21.67	252	6911	0.78	ng	# 89
37) Chrysene	21.72	228	37700	0.97	ng	# 90
38) Bis(2-ethylhexyl)phthalate	21.65	149	16352	0.18	ng	# 28
39) Indeno(1,2,3-cd)pyrene	26.65	276	77853	0.69	ng	99
41) Benzo(b)fluoranthene	23.41	252	17729	0.67	ng	99
42) Benzo(k)fluoranthene	23.45	252	19375	0.71	ng	96
43) Benzo(a)pyrene	24.03	252	17086	0.77	ng	96
44) Dibenzo(a,h)anthracene	26.69	278	15763	0.82	ng	# 94
45) Benzo(a,h,i)perylene	27.42	276	67208	0.83	ng	97

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Quant Time: Aug 01 16:00:39 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration

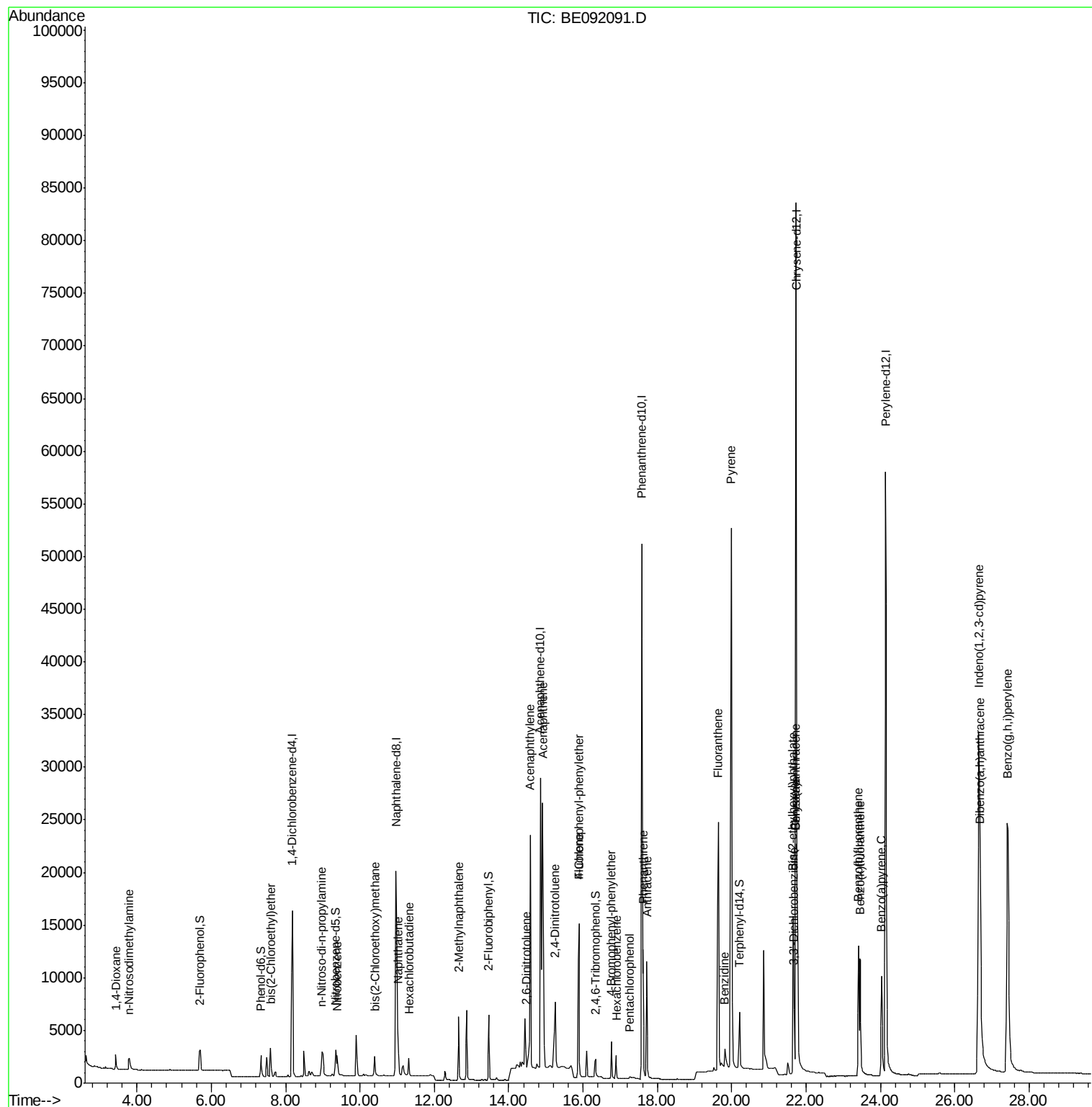
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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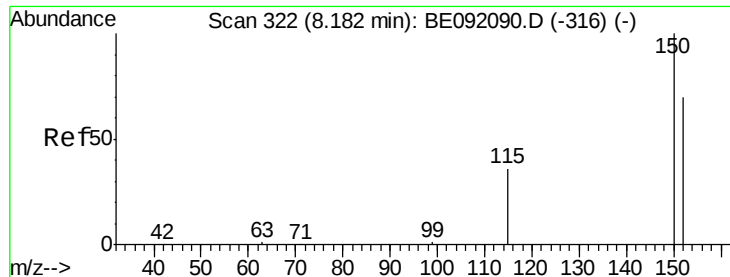
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampled :

Quant Time: Aug 01 16:00:39 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
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QLast Update : Mon Aug 01 15:59:29 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

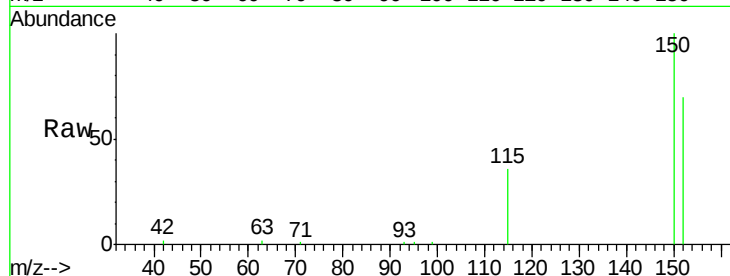
Tot Ion:152 Resp: 9313

Ion Ratio Lower Upper

152 100

150 143.0 106.0 159.0

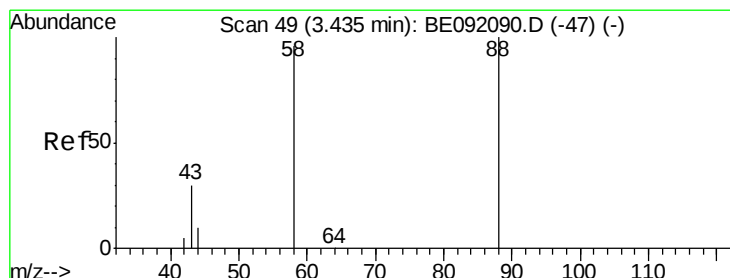
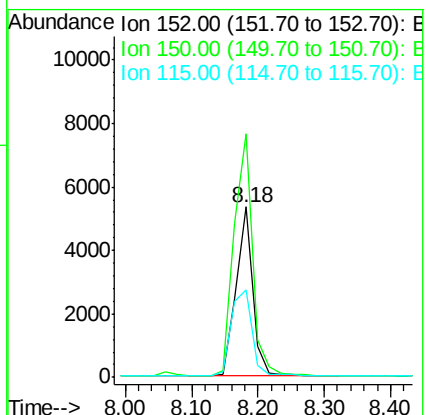
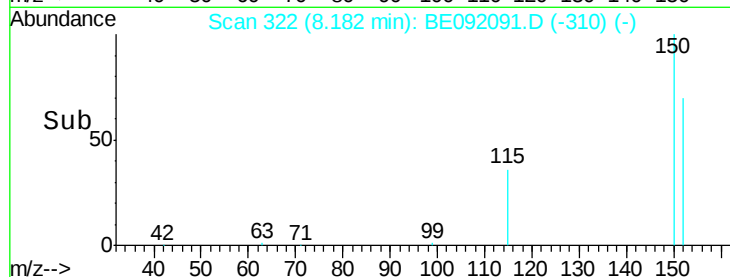
115 51.6 36.9 55.3



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: 0.80 ng

RT: 3.44 min Scan# 49

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

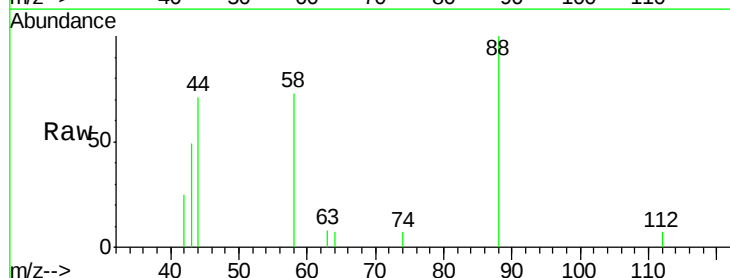
Tgt Ion: 88 Resp: 1029

Ion Ratio Lower Upper

88 100

58 79.1 62.1 93.1

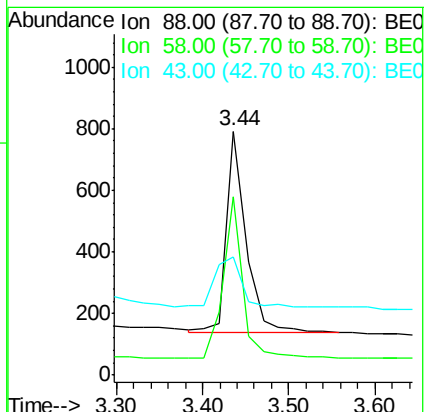
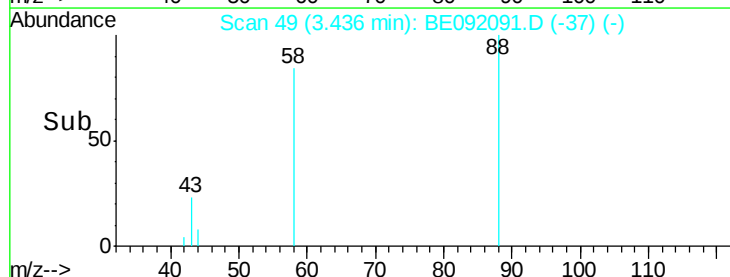
43 34.1 27.2 40.8

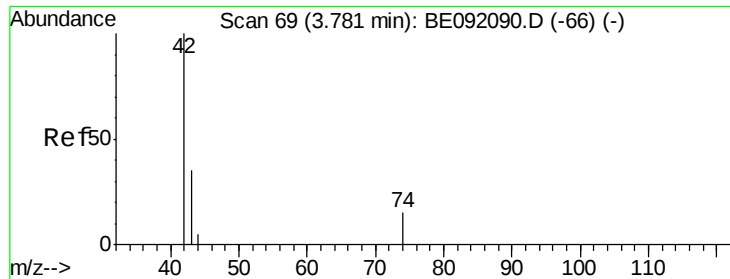


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.88 ng

RT: 3.78 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

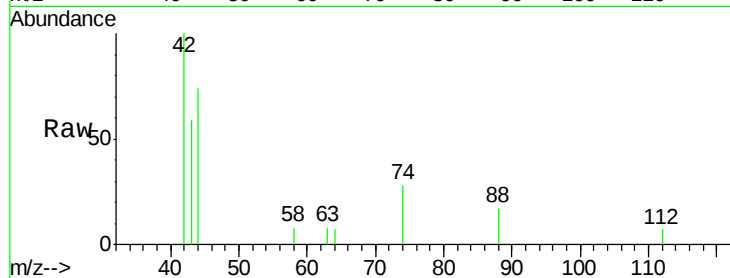
Tot Ion: 42 Resp: 1348

Ion Ratio Lower Upper

42 100

74 102.8 82.8 124.2

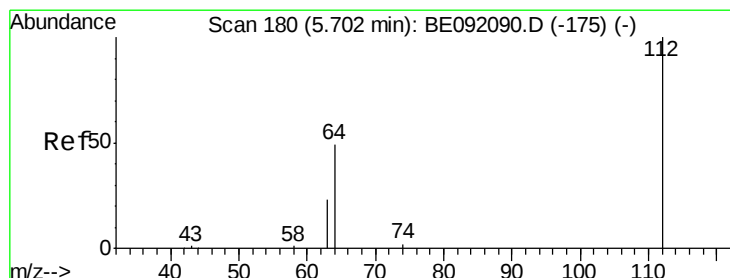
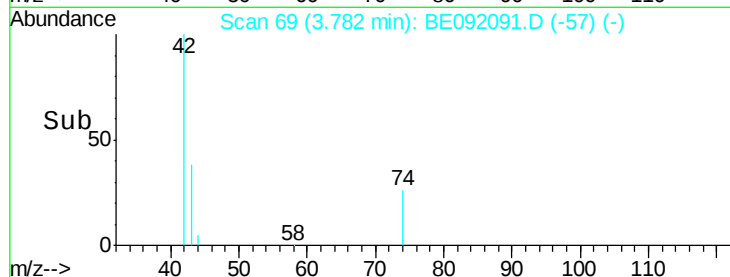
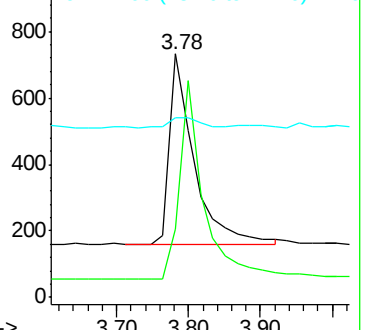
44 7.9 9.0 13.4#



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: 1.10 ng

RT: 5.70 min Scan# 180

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

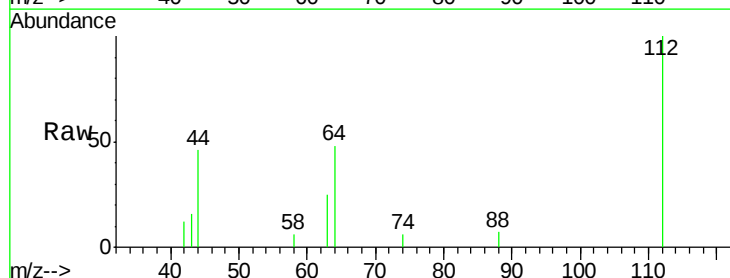
Tgt Ion: 112 Resp: 2283

Ion Ratio Lower Upper

112 100

64 67.2 55.9 83.9

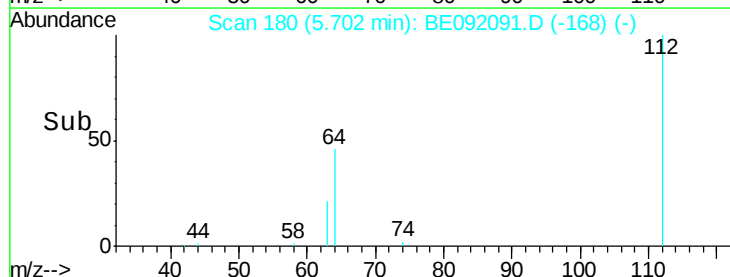
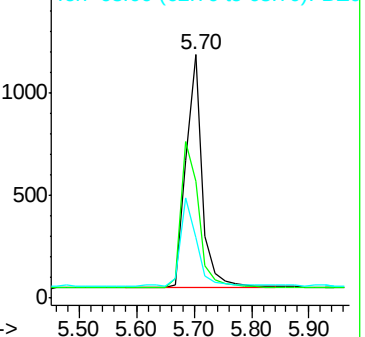
63 36.7 31.1 46.7

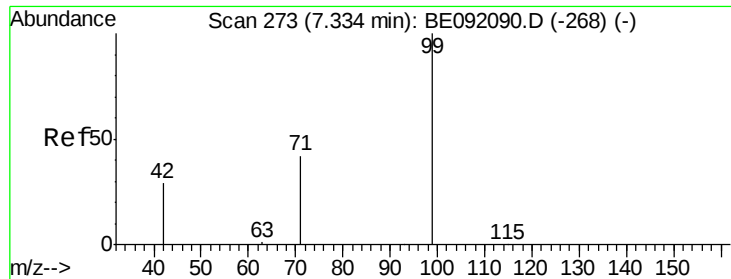


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.92 ng

RT: 7.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

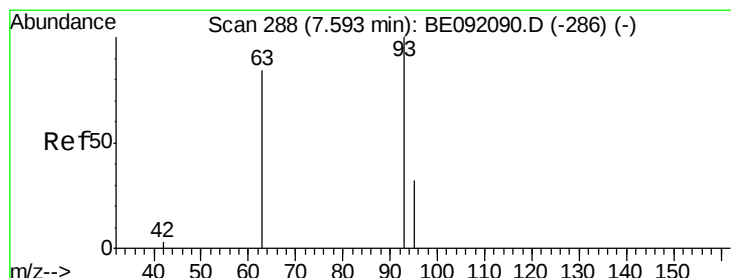
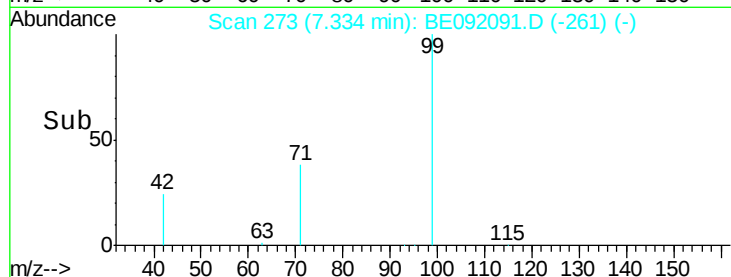
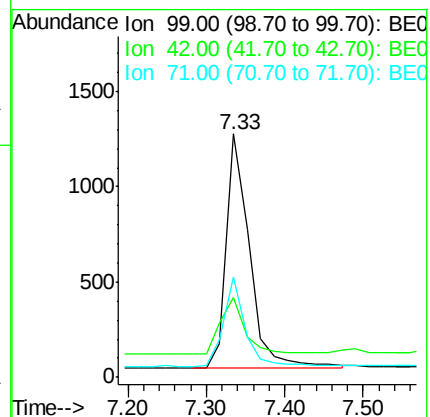
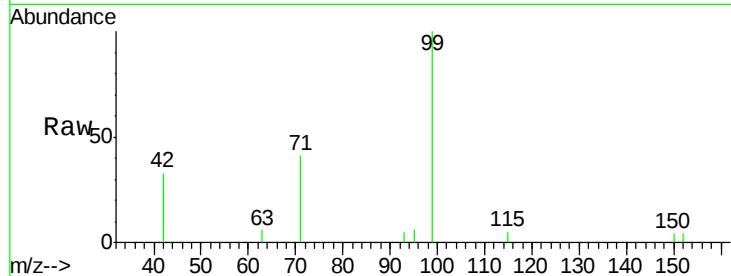
Tot Ion: 99 Resp: 2541

Ion Ratio Lower Upper

99 100

42 25.4 22.4 33.6

71 35.5 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.82 ng

RT: 7.59 min Scan# 288

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

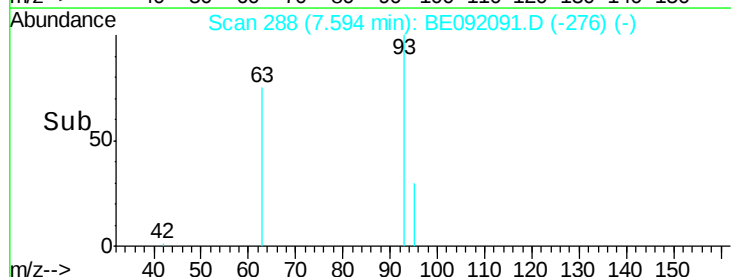
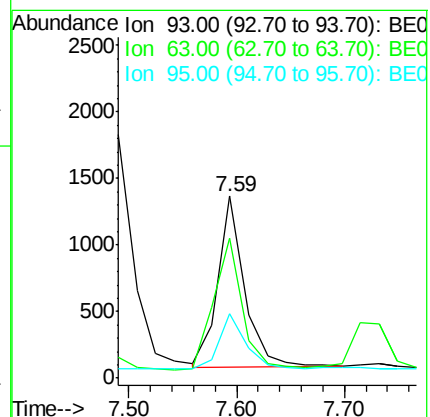
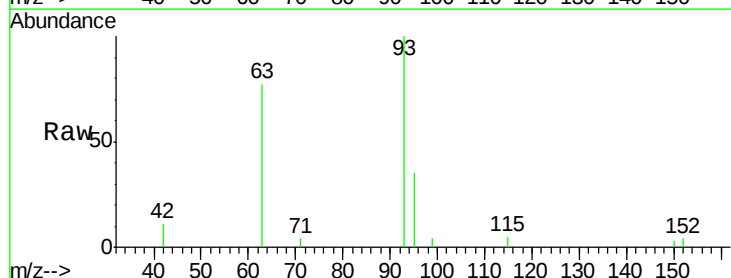
Tgt Ion: 93 Resp: 2208

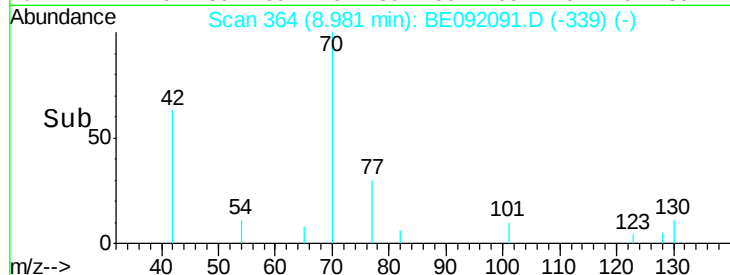
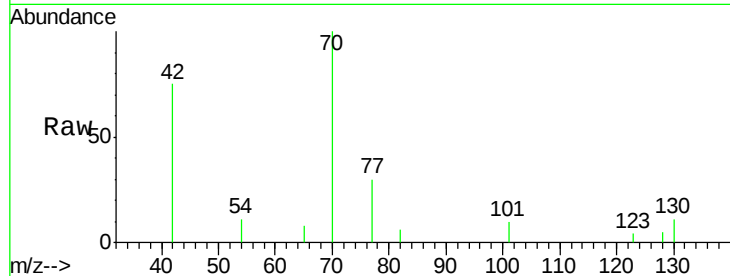
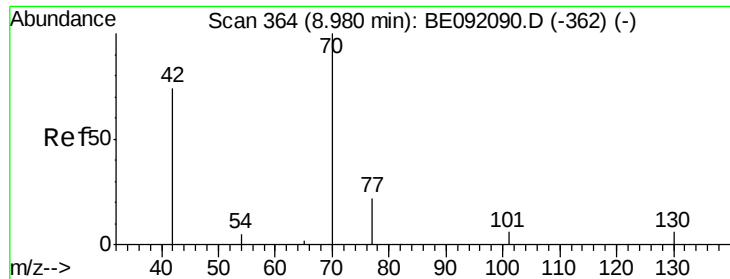
Ion Ratio Lower Upper

93 100

63 83.4 64.4 96.6

95 32.2 25.8 38.8





#7

n-Nitroso-di-n-propylamine

Concen: 0.91 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 2018

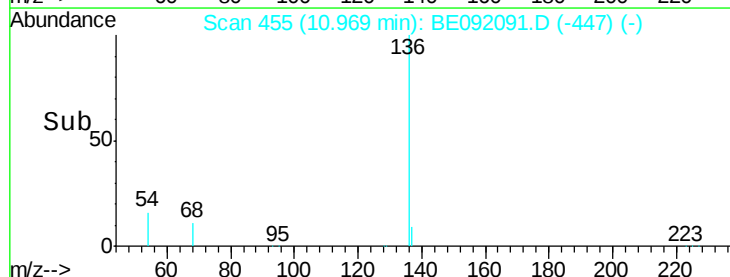
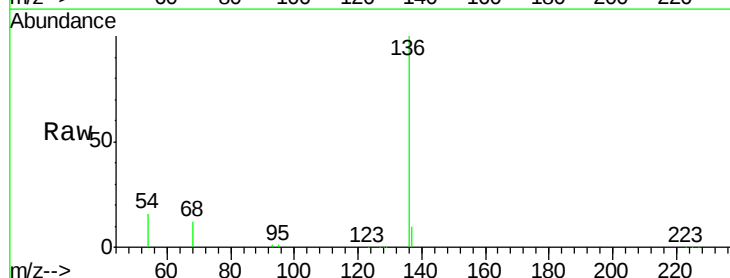
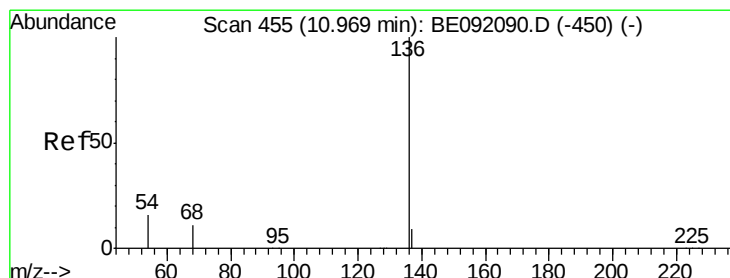
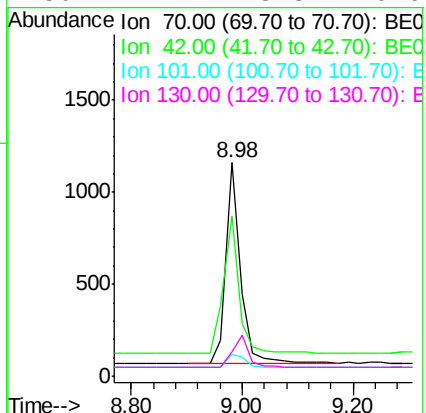
Ion Ratio Lower Upper

70 100

42 72.3 60.2 90.4

101 8.4 6.8 10.2

130 17.1 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Tgt Ion: 136 Resp: 41003

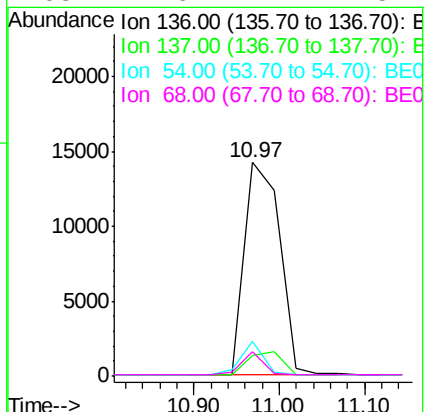
Ion Ratio Lower Upper

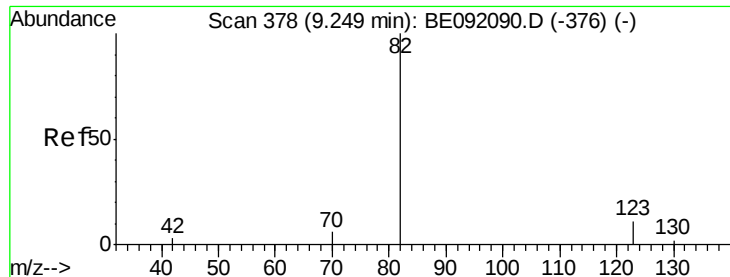
136 100

137 9.8 9.1 13.7

54 16.3 2.7 4.1#

68 11.6 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 0.79 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

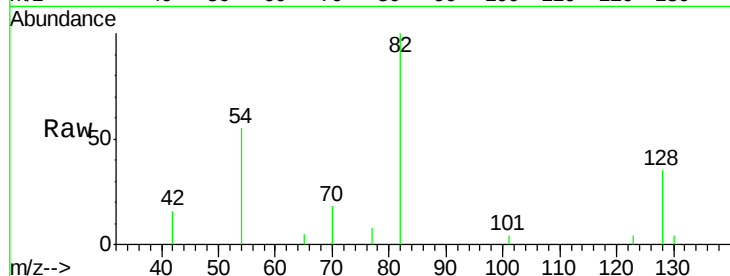
Tot Ion: 82 Resp: 2400

Ion Ratio Lower Upper

82 100

128 34.6 33.0 49.4

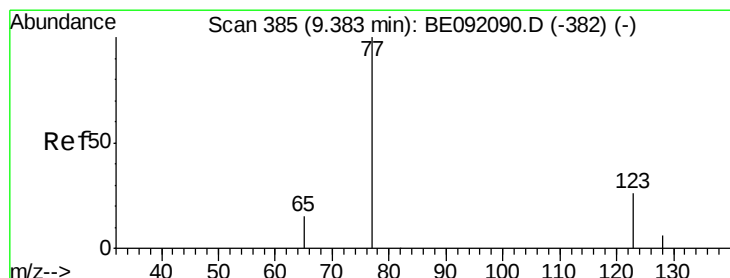
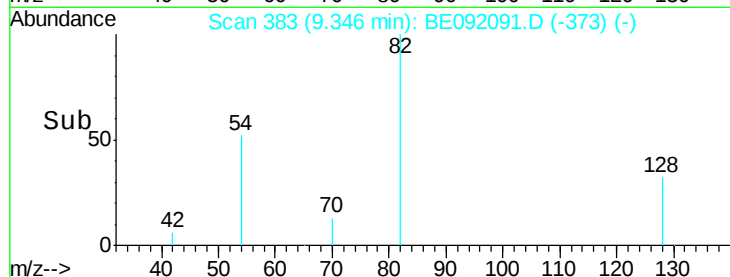
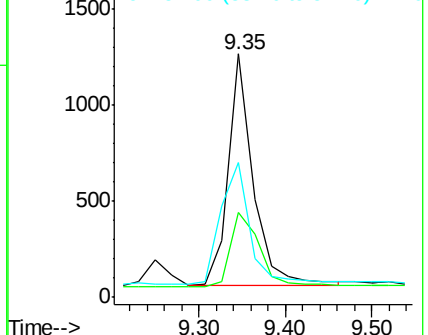
54 55.4 42.6 63.8



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: 0.87 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

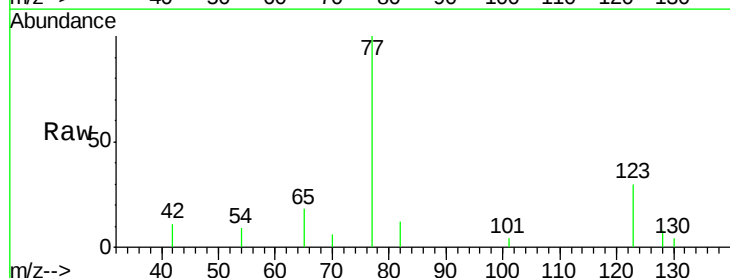
Tgt Ion: 77 Resp: 2580

Ion Ratio Lower Upper

77 100

123 38.0 29.9 44.9

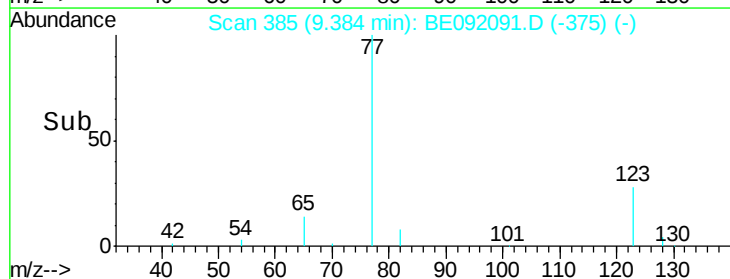
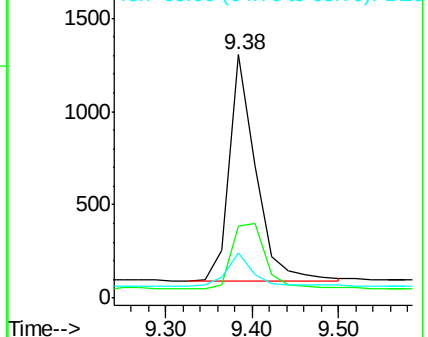
65 14.5 11.4 17.0

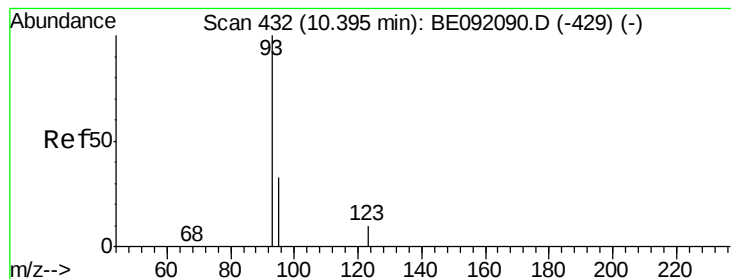


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 1.00 ng

RT: 10.40 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

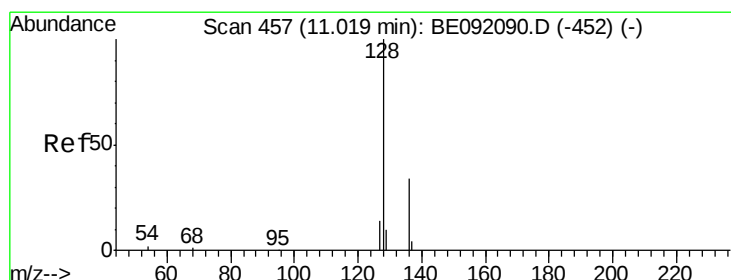
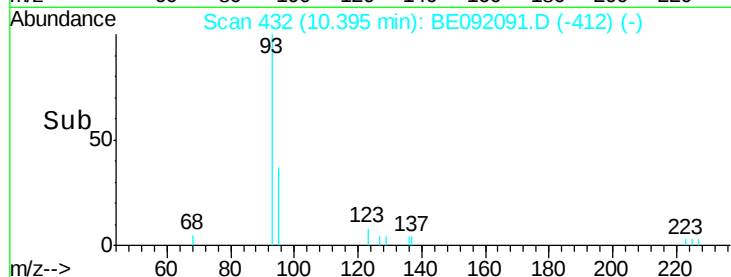
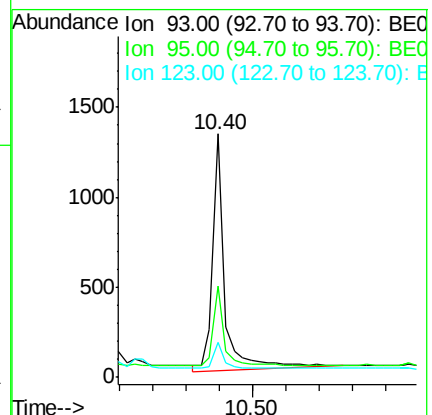
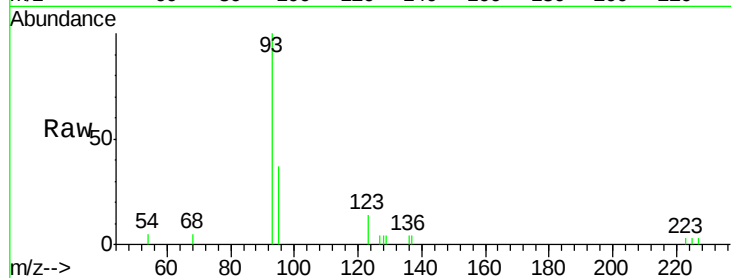
Tot Ion: 93 Resp: 3406

Ion Ratio Lower Upper

93 100

95 33.4 25.0 37.6

123 8.7 7.8 11.8



#12

Naphthalene

Concen: 0.82 ng

RT: 11.02 min Scan# 457

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

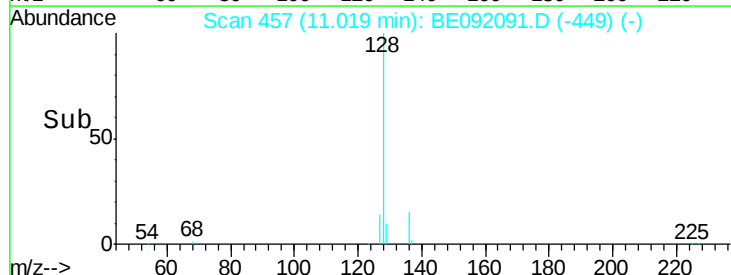
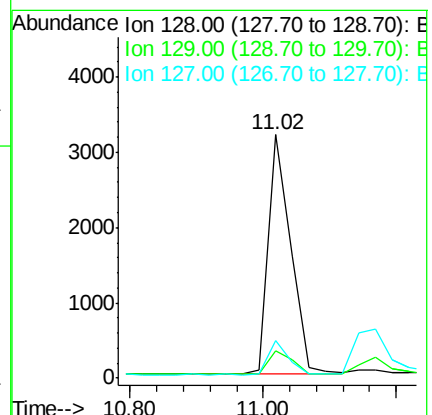
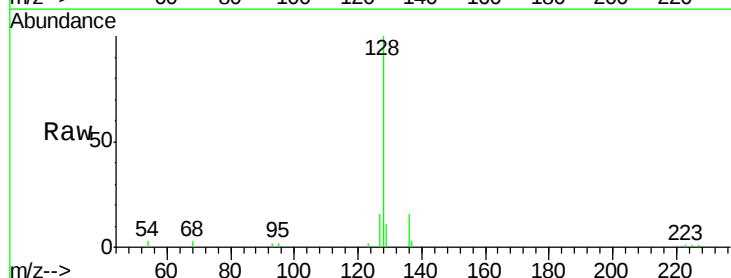
Tgt Ion: 128 Resp: 7370

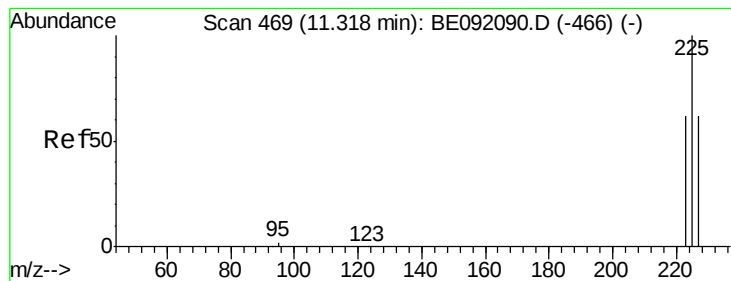
Ion Ratio Lower Upper

128 100

129 11.3 11.1 16.7

127 15.6 11.3 16.9





#13

Hexachlorobutadiene

Concen: 0.91 ng

RT: 11.32 min Scan# 469

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampled :

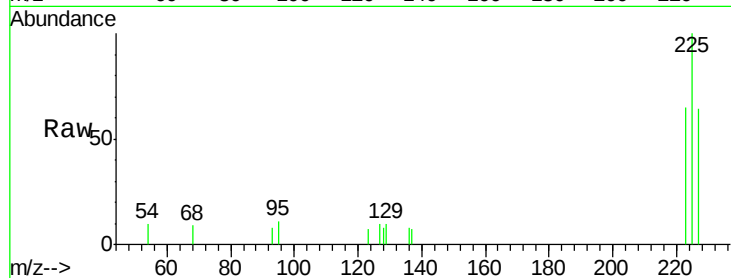
Tot Ion:225 Resp: 1219

Ion Ratio Lower Upper

225 100

223 61.9 51.9 77.9

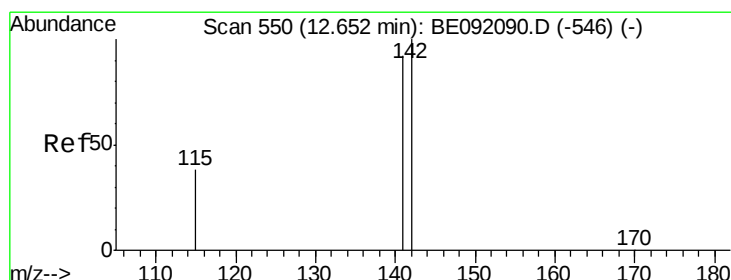
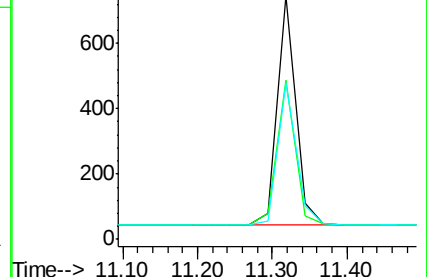
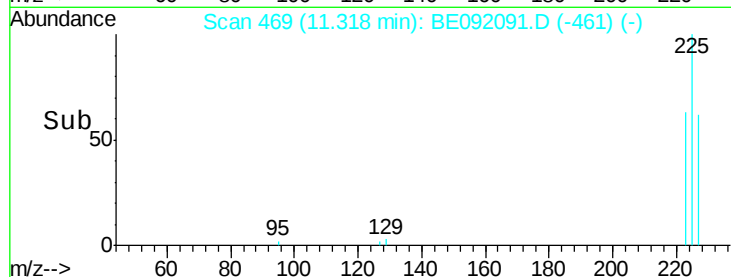
227 62.5 0.0 0.0#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#14

2-Methylnaphthalene

Concen: 0.84 ng

RT: 12.65 min Scan# 550

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

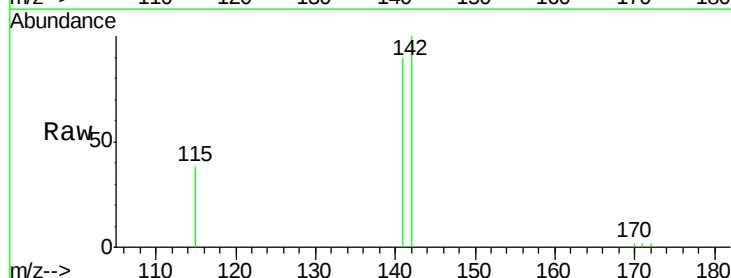
Tgt Ion:142 Resp: 4869

Ion Ratio Lower Upper

142 100

141 90.0 65.1 97.7

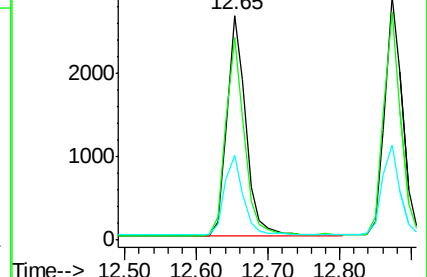
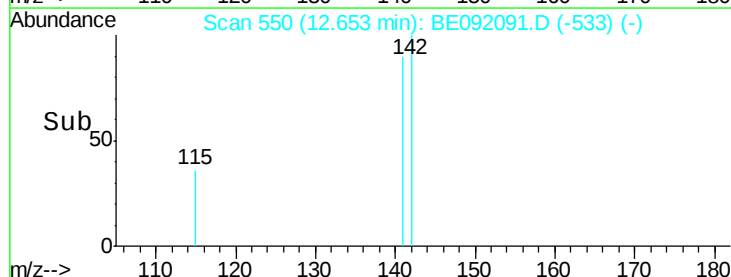
115 38.0 27.0 40.4

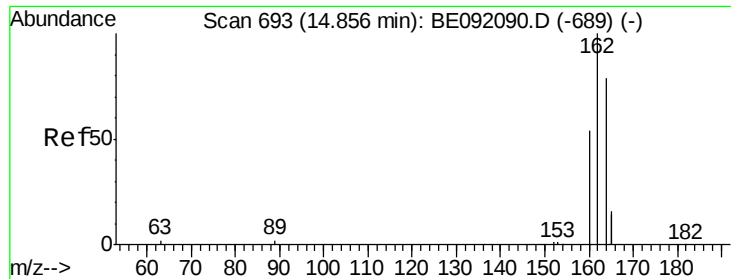


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

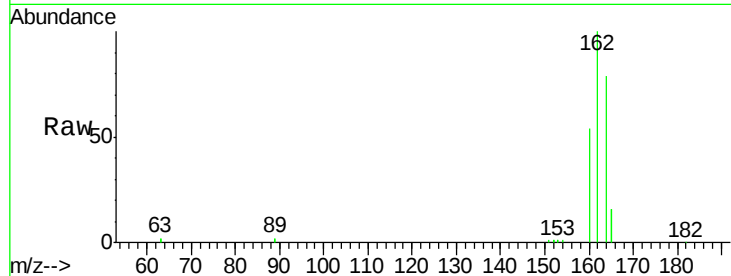
Tot Ion:164 Resp: 20756

Ion Ratio Lower Upper

164 100

162 125.8 69.5 104.3#

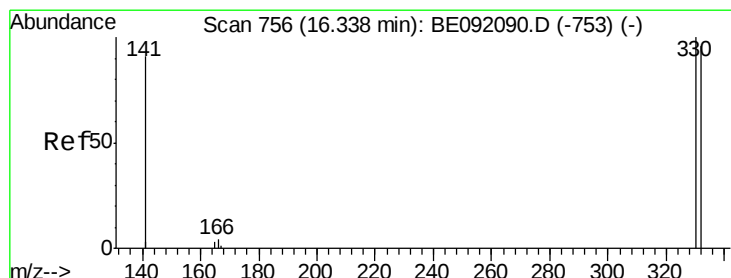
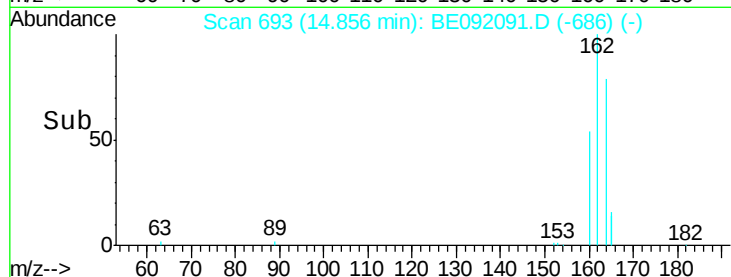
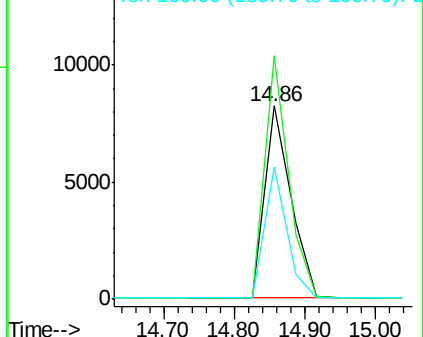
160 68.2 27.6 41.4#



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: 1.52 ng

RT: 16.34 min Scan# 756

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

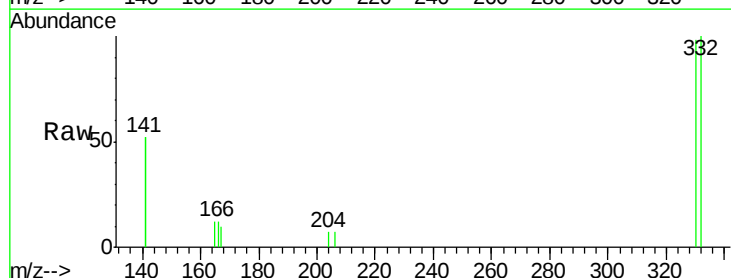
Tgt Ion:330 Resp: 1106

Ion Ratio Lower Upper

330 100

332 97.2 74.2 111.4

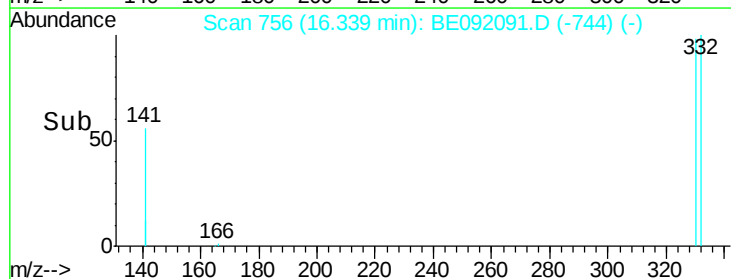
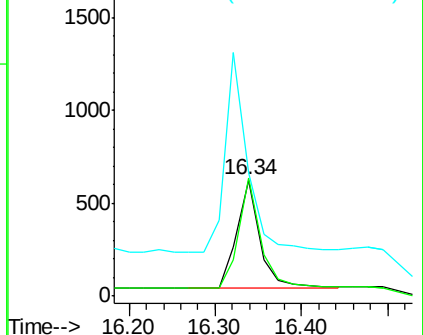
141 178.2 139.8 209.8

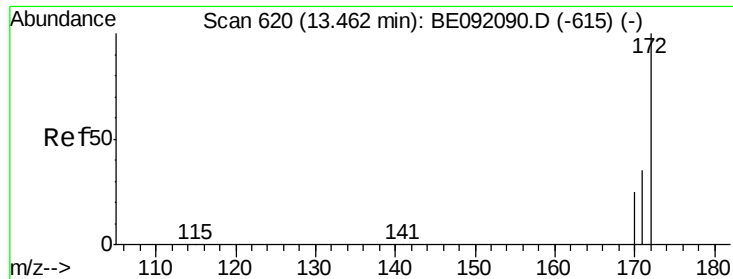


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

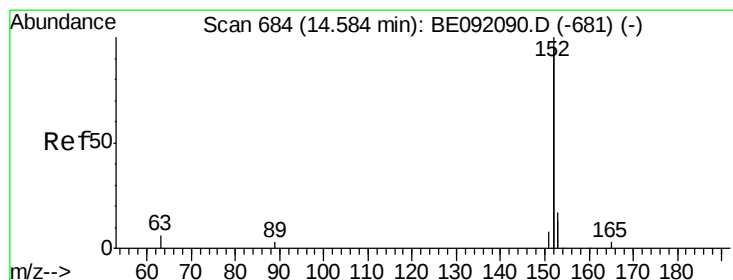
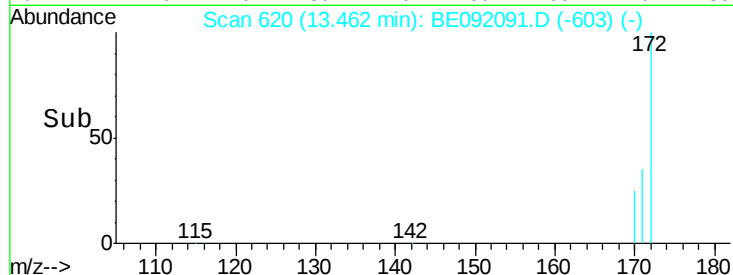
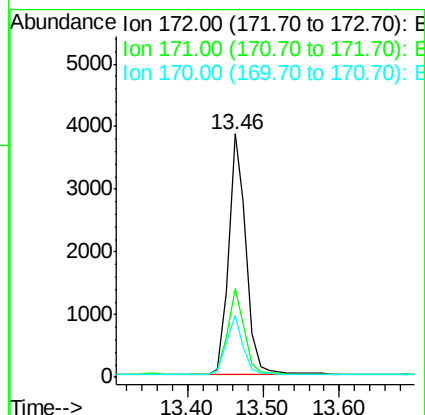
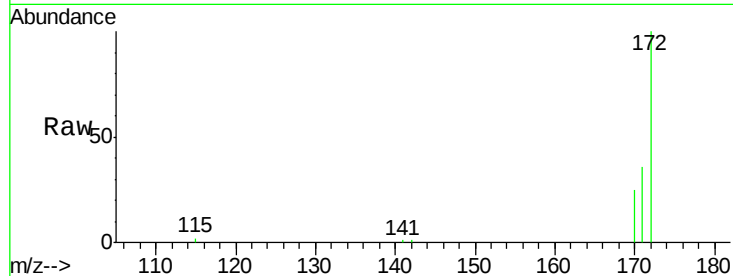




#17
2-Fluorobiphenyl
Concen: 0.75 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

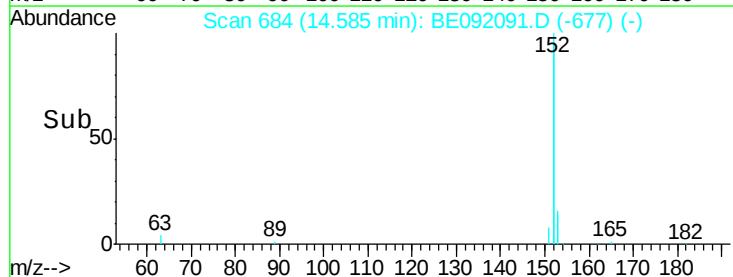
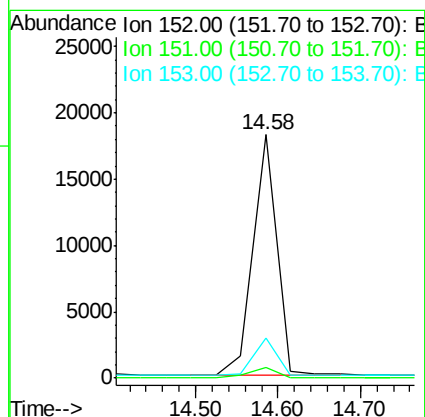
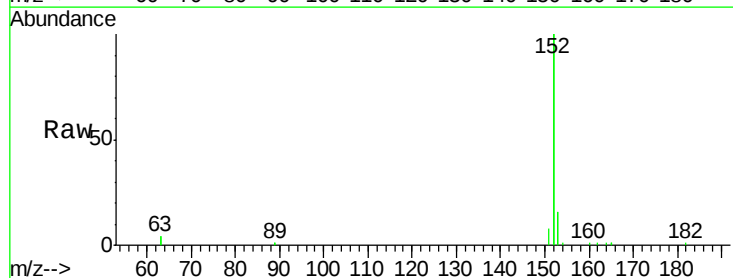
Instrument :
BNA_E
ClientSampleId :

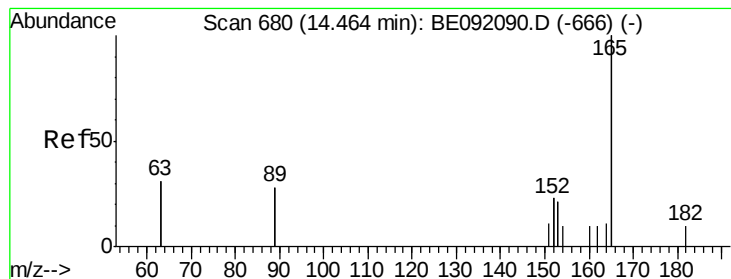
Tot Ion:172 Resp: 6265
Ion Ratio Lower Upper
172 100
171 36.4 30.3 45.5
170 25.5 21.6 32.4



#18
Acenaphthylene
Concen: 0.68 ng
RT: 14.58 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Tgt Ion:152 Resp: 36459
Ion Ratio Lower Upper
152 100
151 4.3 4.0 6.0
153 14.6 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 0.89 ng

RT: 14.46 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

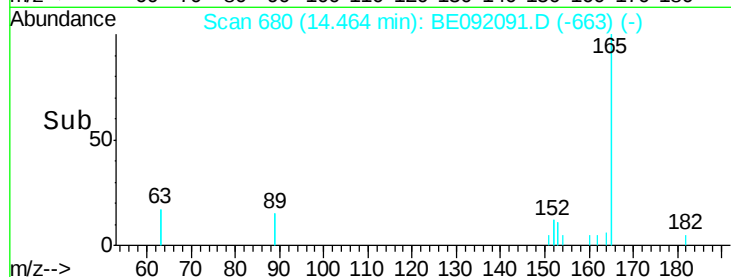
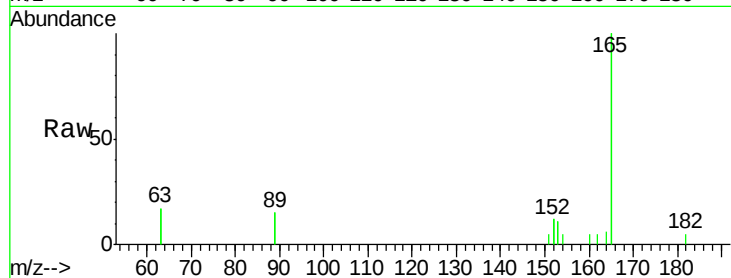
Tot Ion:165 Resp: 4910

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

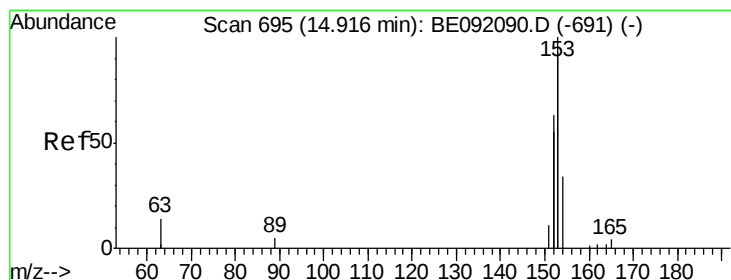
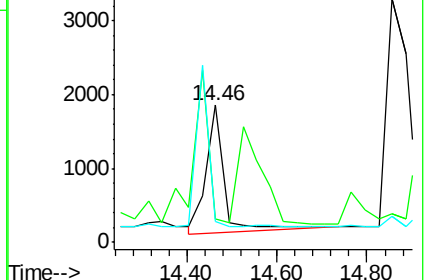
89 0.0 0.0 0.0



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



#20

Acenaphthene

Concen: 0.85 ng

RT: 14.92 min Scan# 695

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

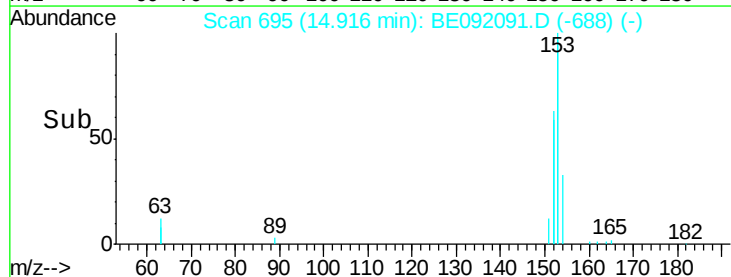
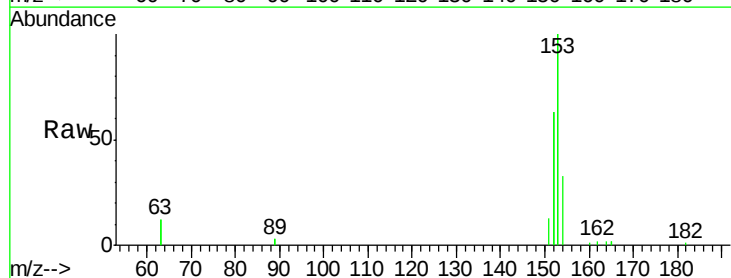
Tgt Ion:154 Resp: 4829

Ion Ratio Lower Upper

154 100

153 530.0 345.1 517.7#

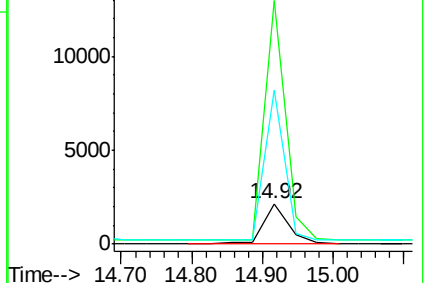
152 311.7 0.0 0.0#

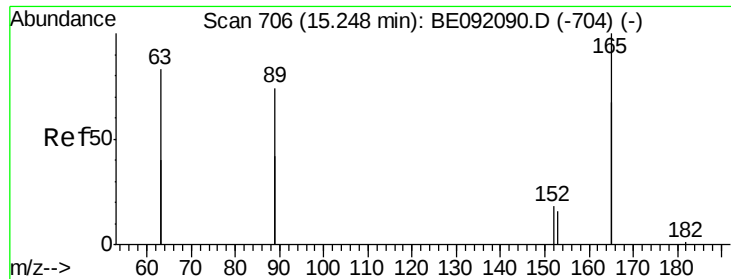


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

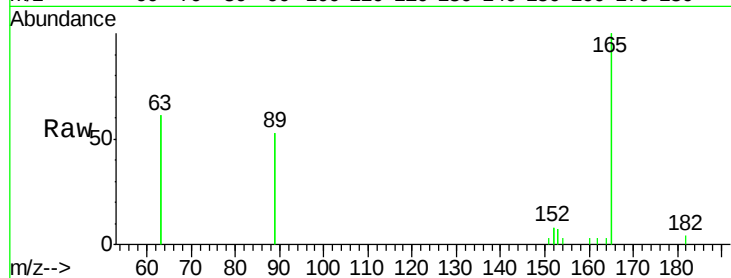




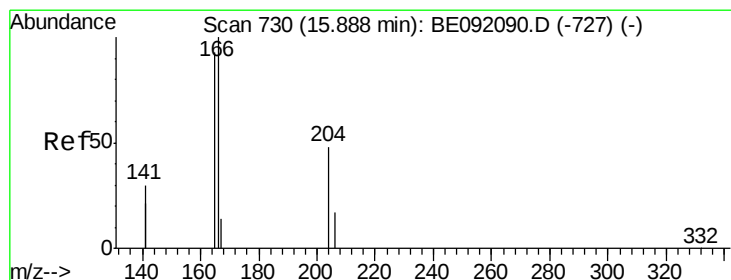
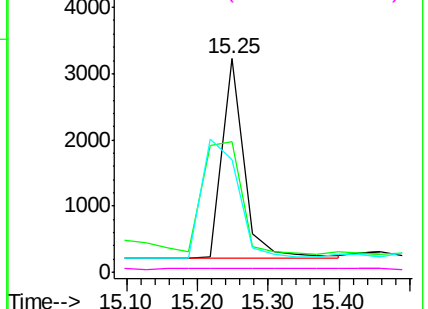
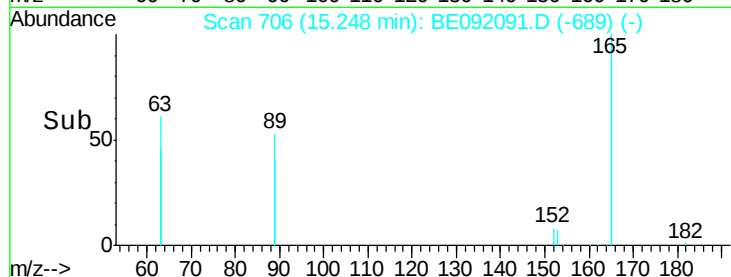
#21
2,4-Dinitrotoluene
Concen: 0.94 ng
RT: 15.25 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Instrument :
BNA_E
ClientSampled :

Tot Ion:165 Resp: 6549
Ion Ratio Lower Upper
165 100
63 98.7 324.0 486.0#
89 0.0 308.4 462.6#
182 0.0 0.0 0.0

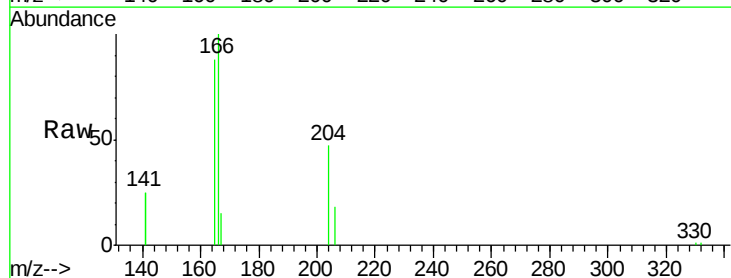


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

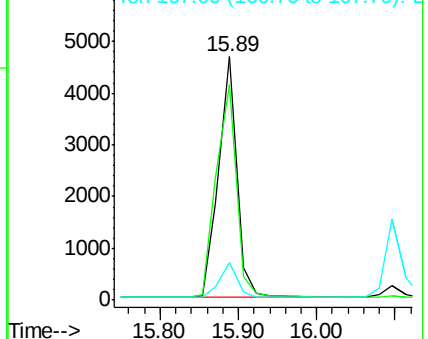
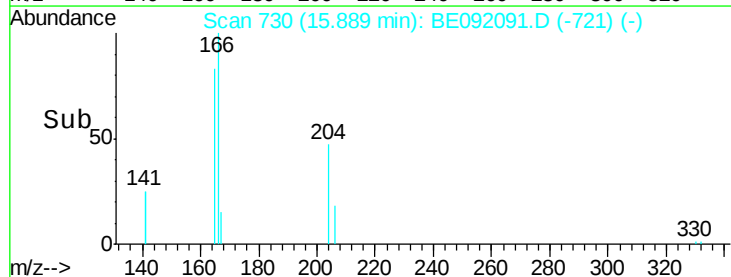


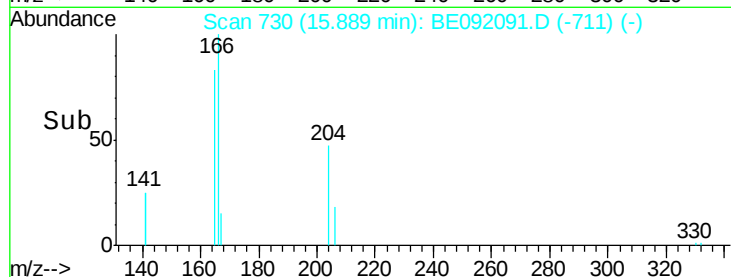
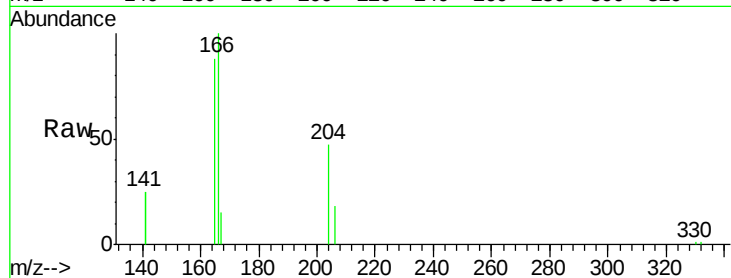
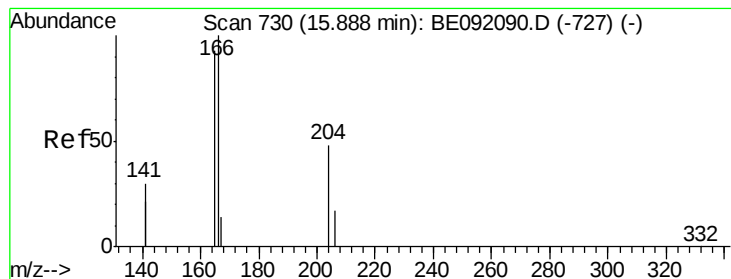
#22
Fluorene
Concen: 0.84 ng
RT: 15.89 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Tgt Ion:166 Resp: 7506
Ion Ratio Lower Upper
166 100
165 97.1 78.6 118.0
167 13.5 11.1 16.7



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: 0.90 ng

RT: 15.89 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

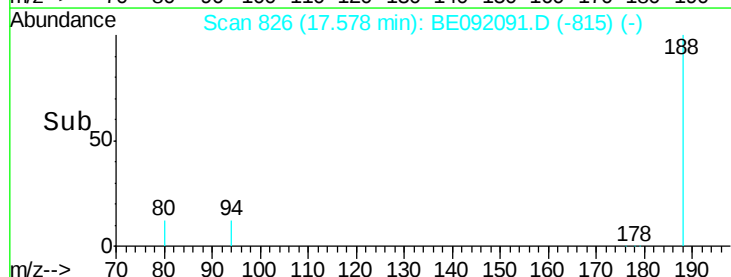
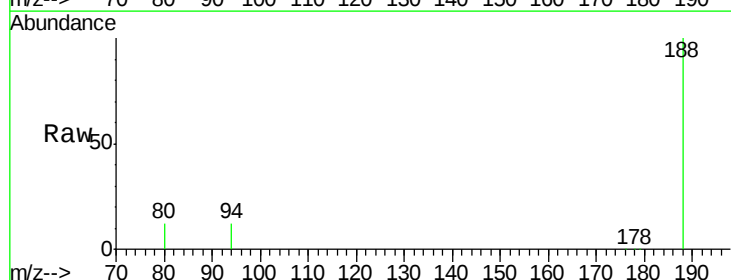
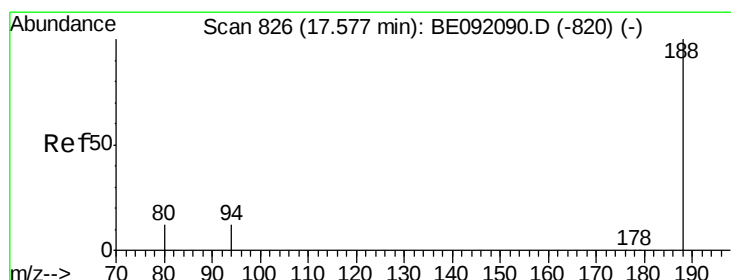
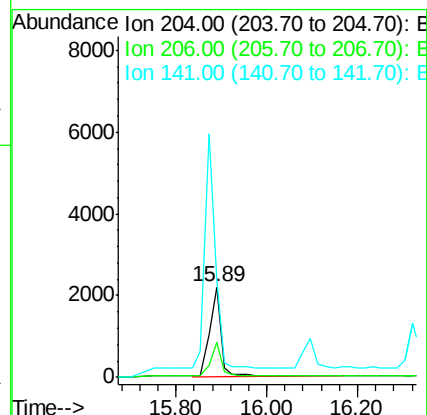
Tot Ion:204 Resp: 3924

Ion Ratio Lower Upper

204 100

206 37.6 27.0 40.4

141 370.2 198.5 297.7#



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

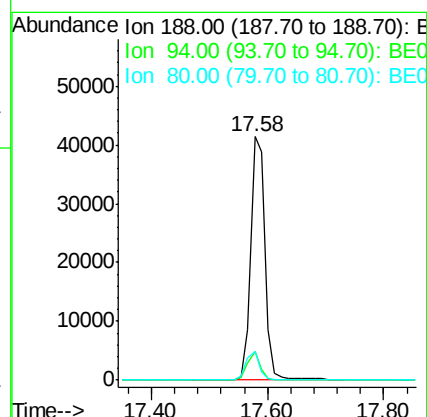
Tgt Ion:188 Resp: 82584

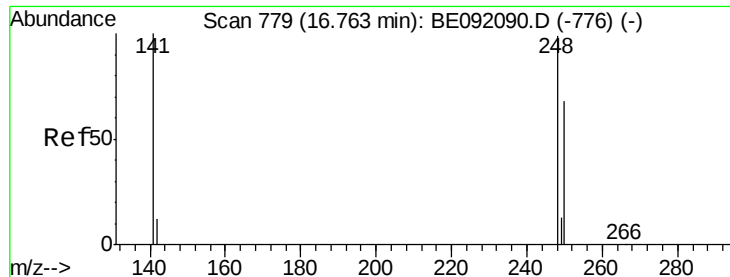
Ion Ratio Lower Upper

188 100

94 11.5 3.9 5.9#

80 11.7 3.4 5.0#

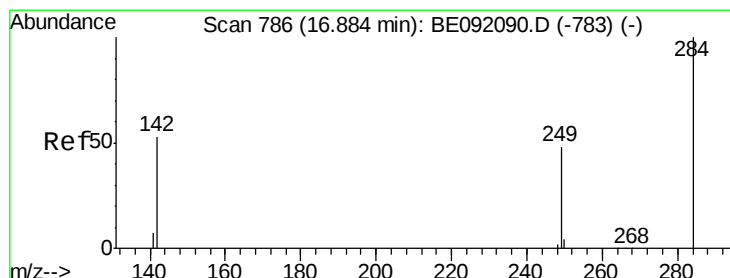
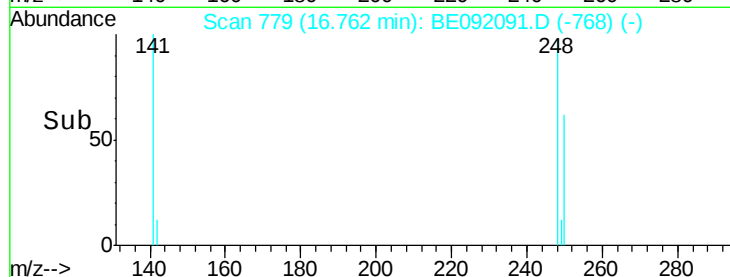
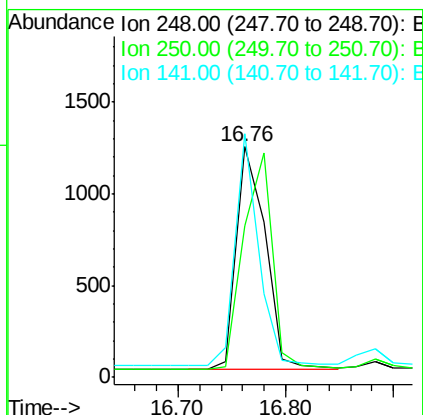
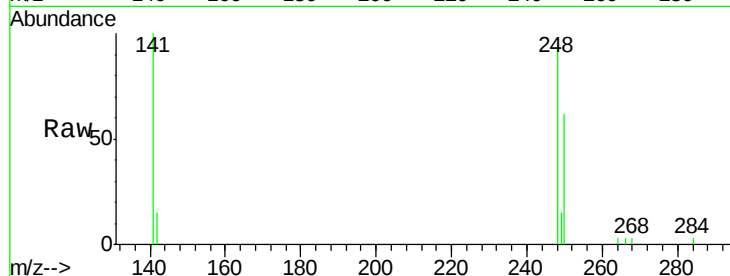




#25
4-Bromophenyl-phenylether
Concen: 0.65 ng
RT: 16.76 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

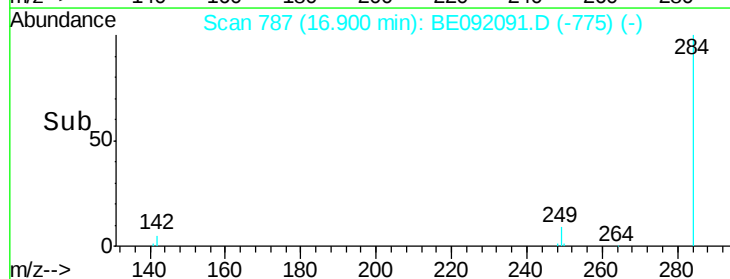
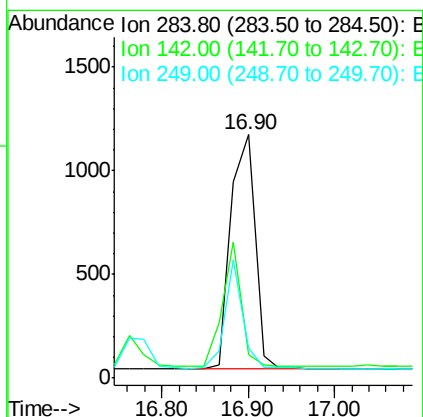
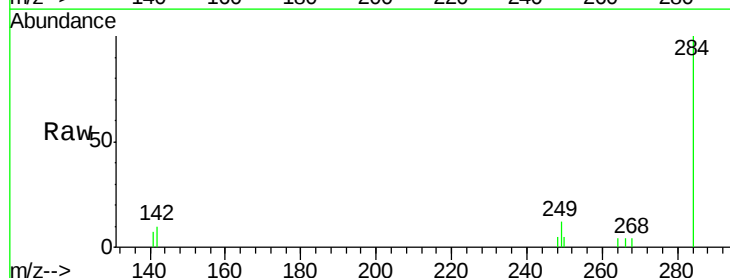
Instrument :
BNA_E
ClientSampleId :

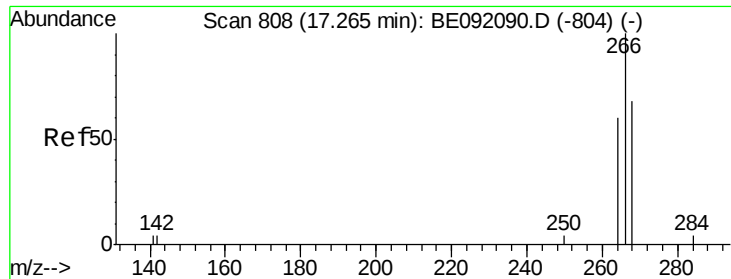
Tot Ion:248 Resp: 2220
Ion Ratio Lower Upper
248 100
250 97.6 79.6 119.4
141 84.5 68.7 103.1



#26
Hexachlorobenzene
Concen: 0.63 ng
RT: 16.90 min Scan# 787
Delta R.T. 0.02 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Tgt Ion:284 Resp: 2220
Ion Ratio Lower Upper
284 100
142 41.3 33.3 49.9
249 33.6 25.4 38.0





#27

Pentachlorophenol

Concen: 0.25 ng

RT: 17.26 min Scan# 808

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

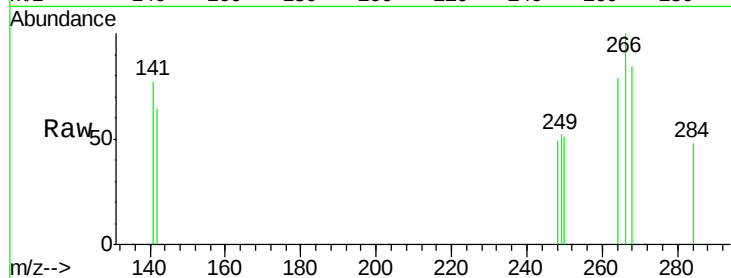
Tot Ion:266 Resp: 242

Ion Ratio Lower Upper

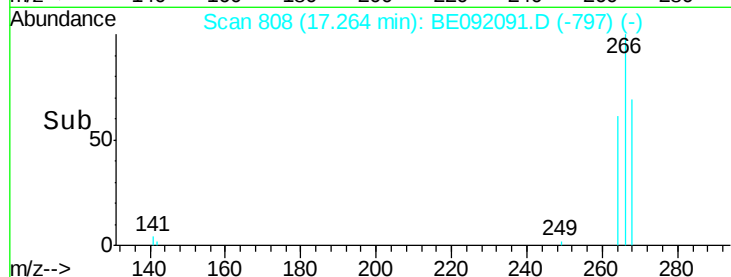
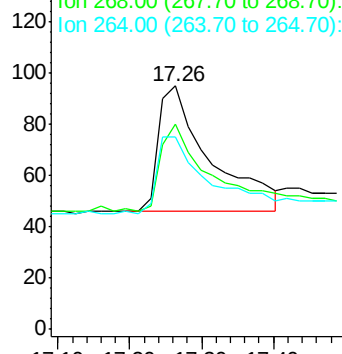
266 100

268 84.2 62.7 94.1

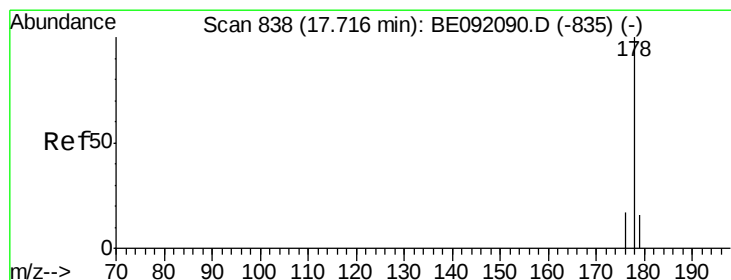
264 78.9 63.5 95.3



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



Time-->



#28

Phenanthrene

Concen: 0.83 ng

RT: 17.62 min Scan# 830

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

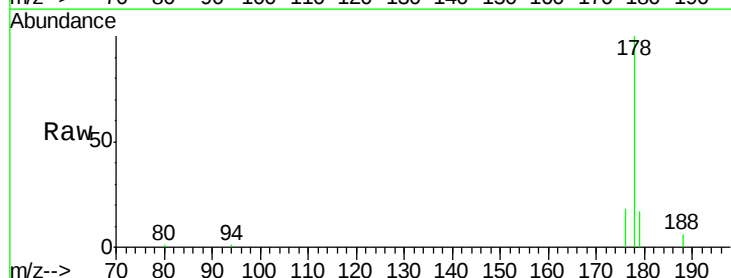
Tgt Ion:178 Resp: 17515

Ion Ratio Lower Upper

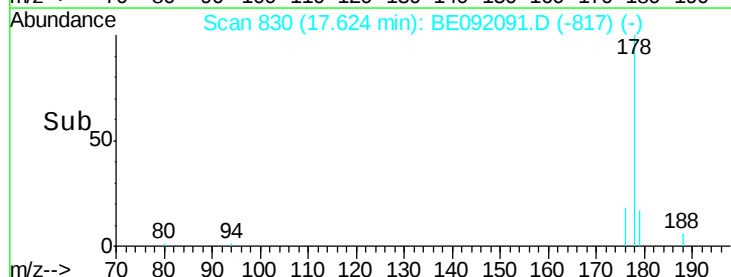
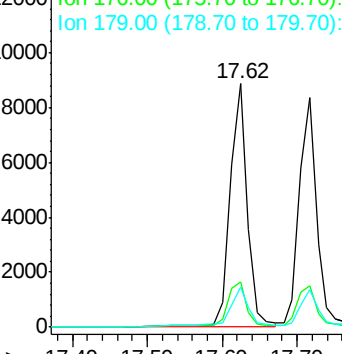
178 100

176 15.9 15.4 23.0

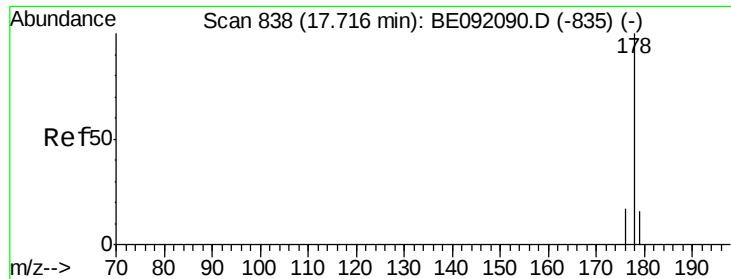
179 19.1 12.7 19.1



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



Time-->



#29

Anthracene

Concen: 0.70 ng

RT: 17.72 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampled :

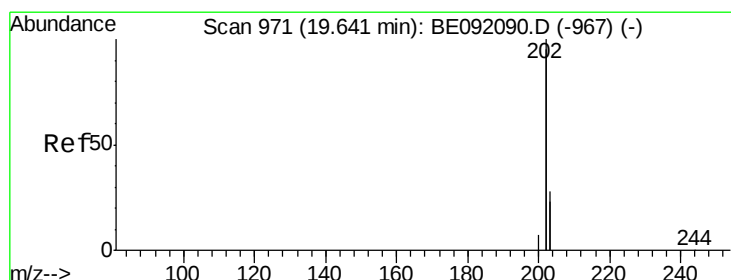
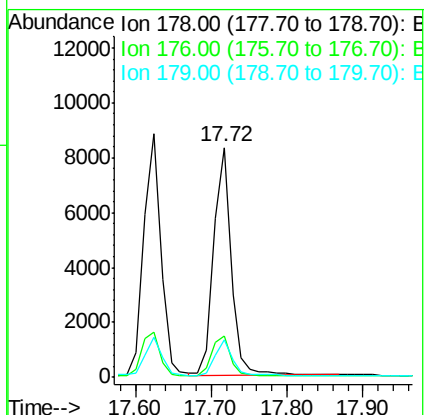
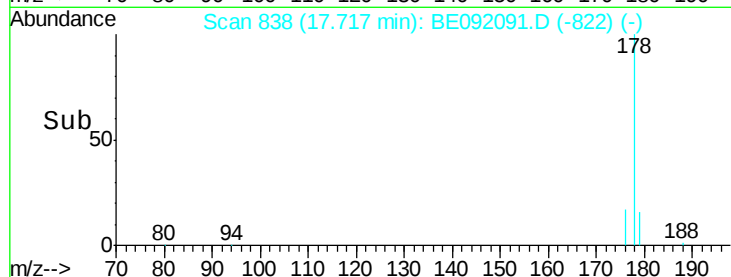
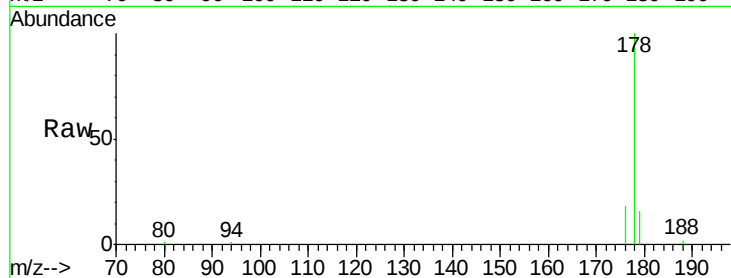
Tot Ion:178 Resp: 13358

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.1 12.2 18.4



#30

Fluoranthene

Concen: 0.58 ng

RT: 19.64 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

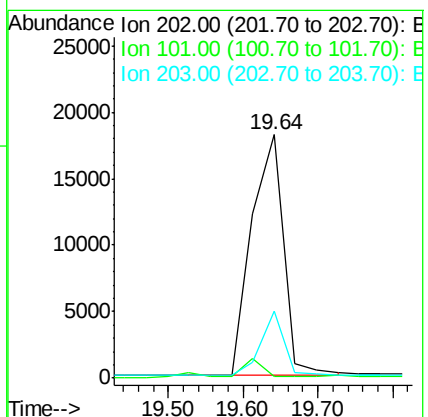
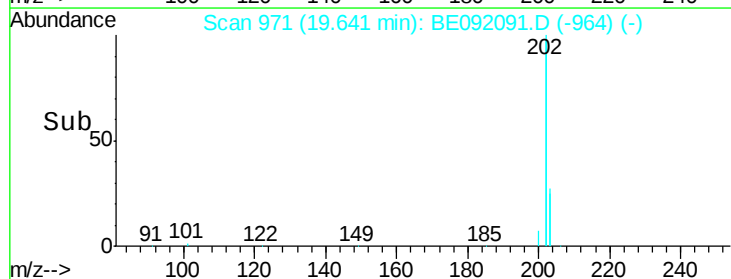
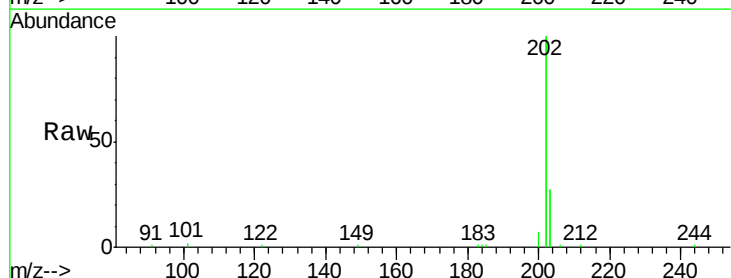
Tgt Ion:202 Resp: 54422

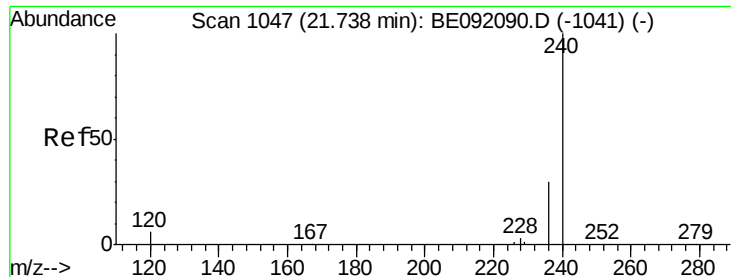
Ion Ratio Lower Upper

202 100

101 0.0 2.2 3.2#

203 19.4 13.0 19.4

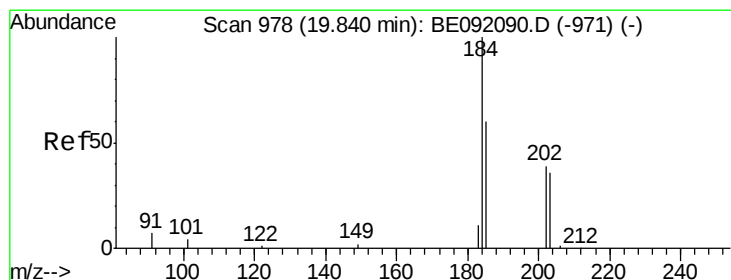
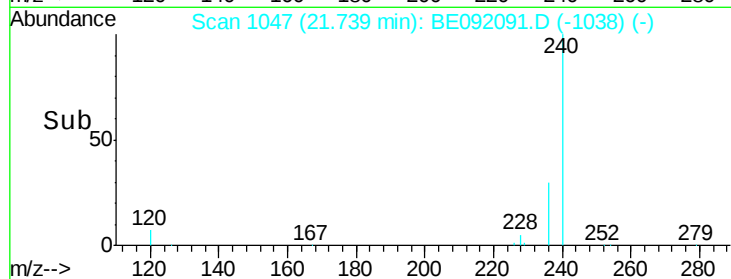
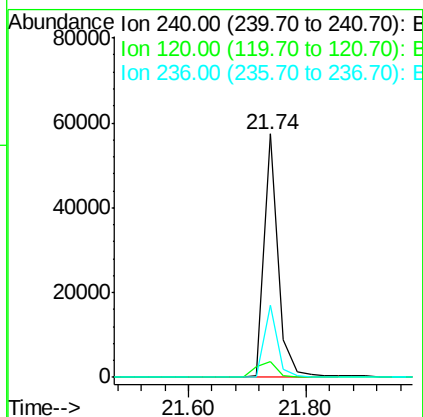
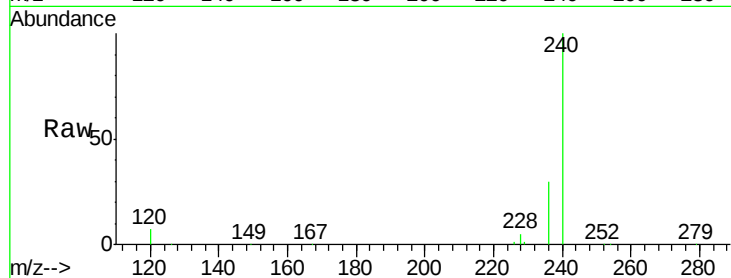




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

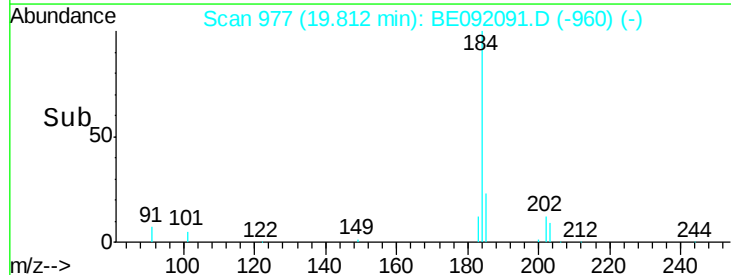
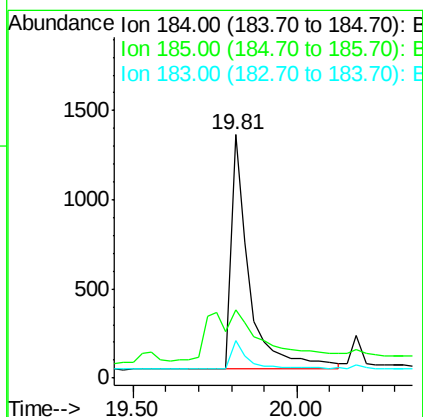
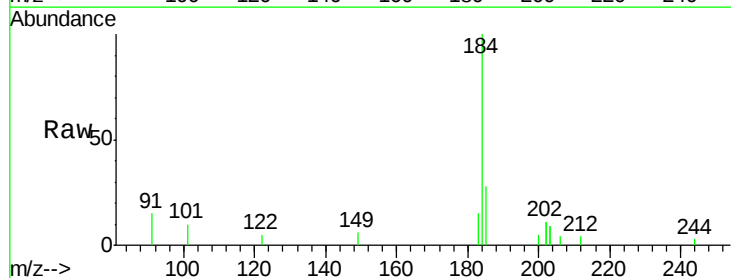
Instrument :
BNA_E
ClientSampleId :

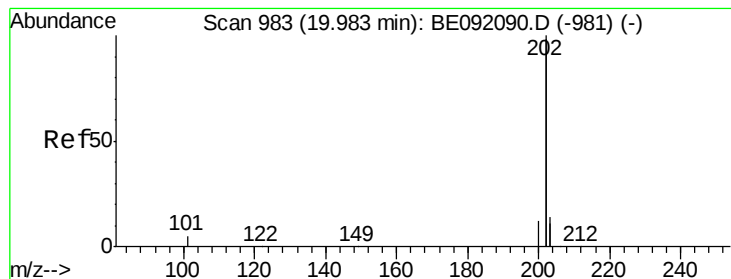
Tot Ion:240 Resp: 95874
Ion Ratio Lower Upper
240 100
120 6.7 0.6 1.0#
236 29.6 18.2 27.4#



#32
Benzidine
Concen: 1.06 ng
RT: 19.81 min Scan# 977
Delta R.T. -0.03 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Tgt Ion:184 Resp: 5025
Ion Ratio Lower Upper
184 100
185 28.0 23.8 35.6
183 15.2 20.7 31.1#





#33

Pvrene

Concen: 0.66 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

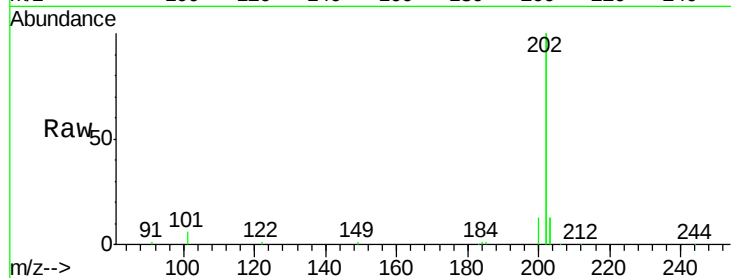
Tot Ion:202 Resp: 81432

Ion Ratio Lower Upper

202 100

200 6.0 4.4 6.6

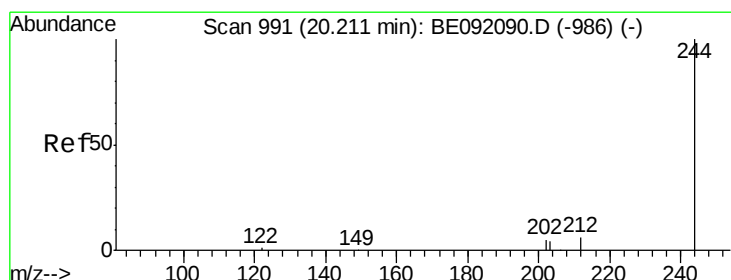
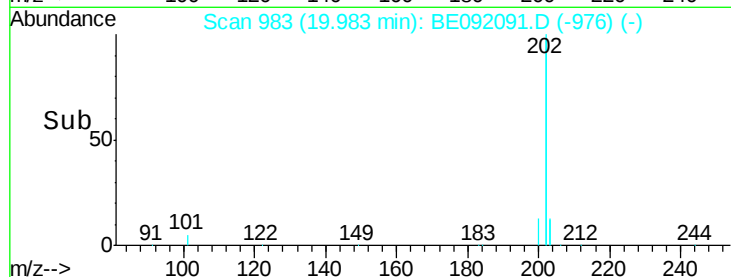
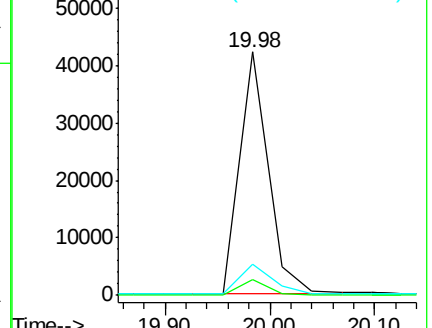
203 14.4 13.4 20.0



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: 0.59 ng

RT: 20.21 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

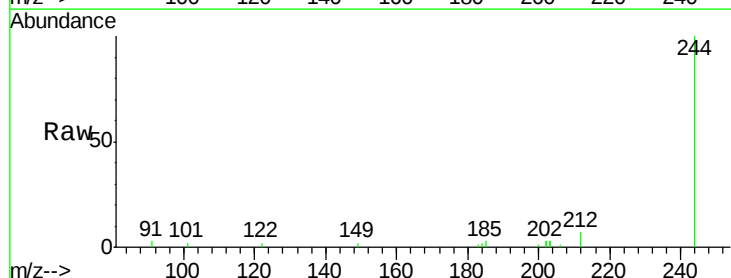
Tgt Ion:244 Resp: 10594

Ion Ratio Lower Upper

244 100

212 7.1 9.1 13.7#

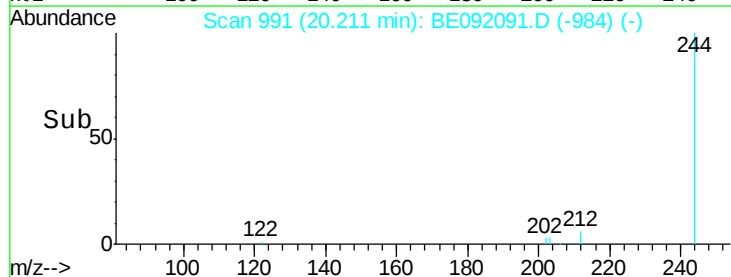
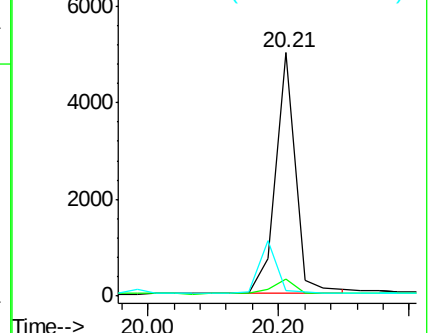
122 2.1 11.0 16.4#

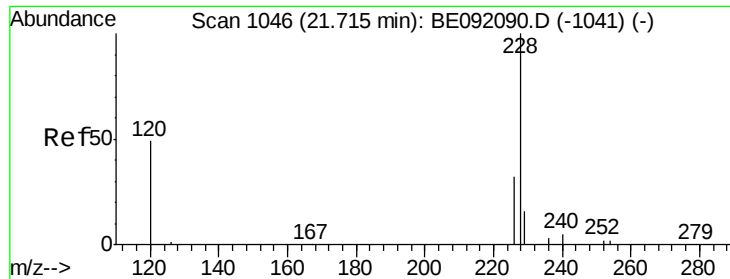


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

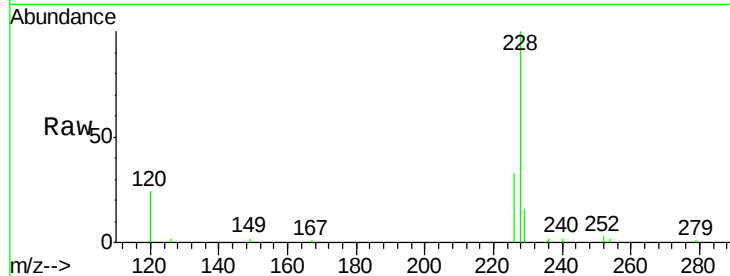




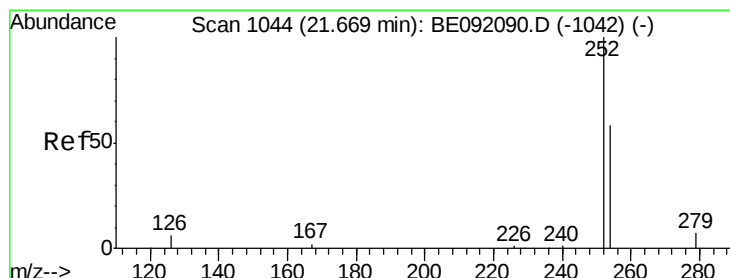
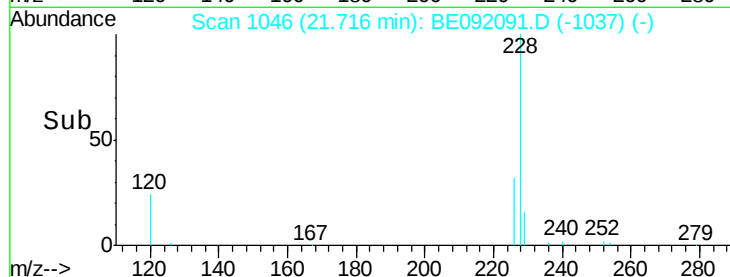
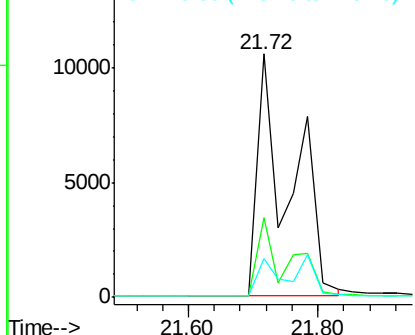
#35
Benzo(a)anthracene
Concen: 0.81 ng
RT: 21.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 37057
Ion Ratio Lower Upper
228 100
226 32.6 22.1 33.1
229 16.0 15.1 22.7

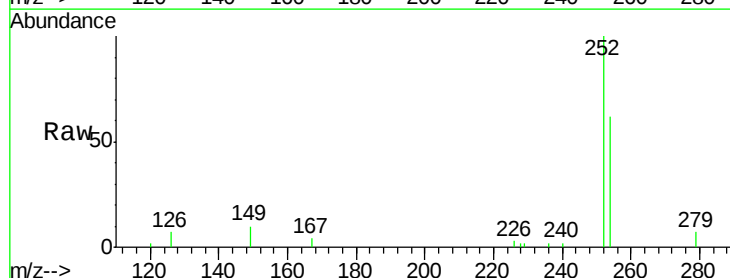


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

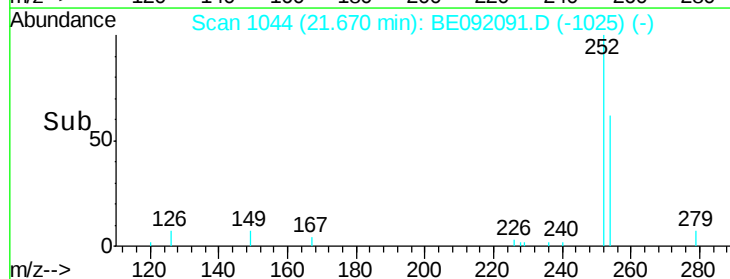
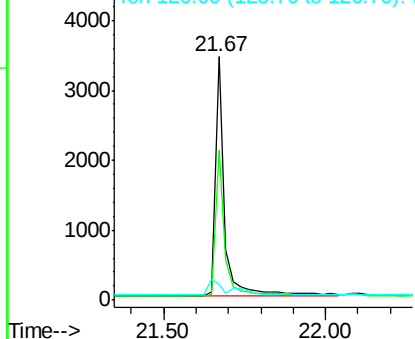


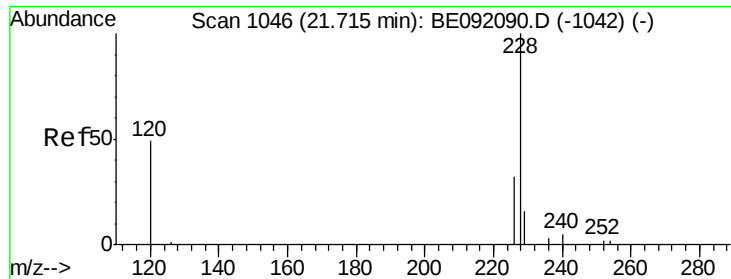
#36
3,3'-Dichlorobenzidine
Concen: 0.78 ng
RT: 21.67 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BE092091.D
Acq: 1 Aug 2016 13:40

Tgt Ion:252 Resp: 6911
Ion Ratio Lower Upper
252 100
254 61.9 44.2 66.2
126 6.5 10.6 15.8#



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: 0.97 ng

RT: 21.72 min Scan# 1046

Delta R.T. -0.07 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

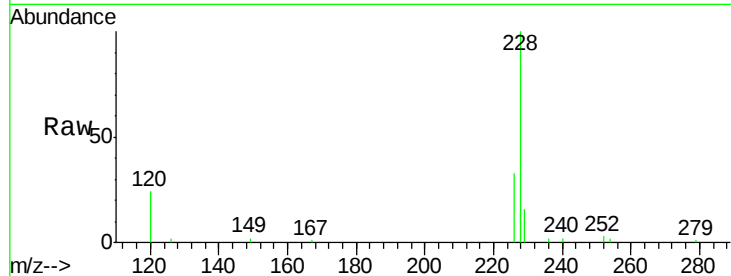
Tot Ion:228 Resp: 37700

Ion Ratio Lower Upper

228 100

226 32.6 22.3 33.5

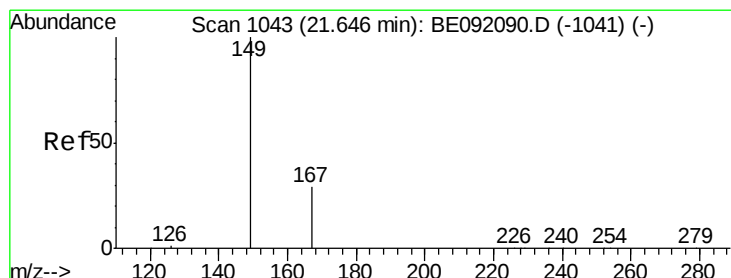
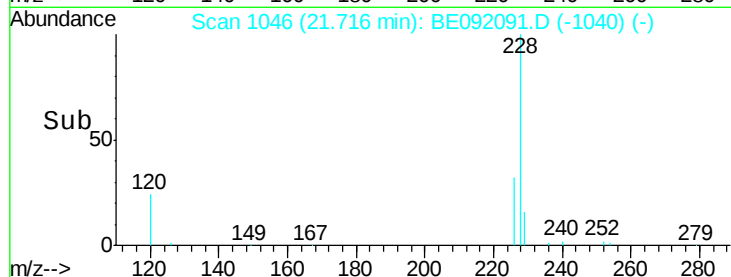
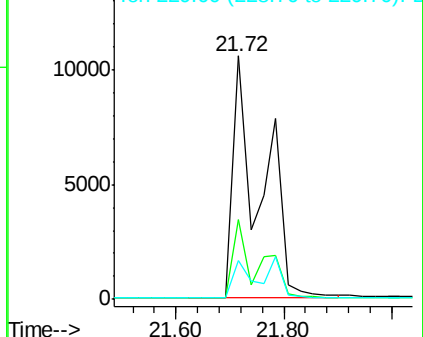
229 16.0 16.9 25.3#



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: 0.18 ng

RT: 21.65 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

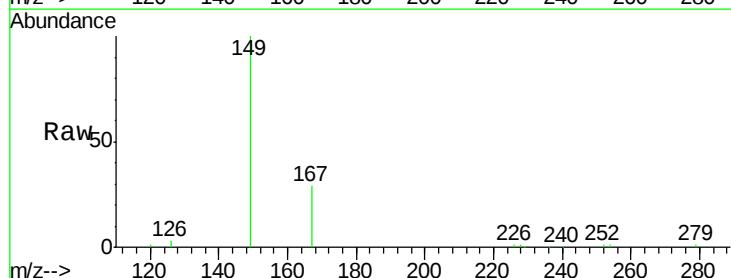
Tgt Ion:149 Resp: 16352

Ion Ratio Lower Upper

149 100

167 28.5 3.8 5.6#

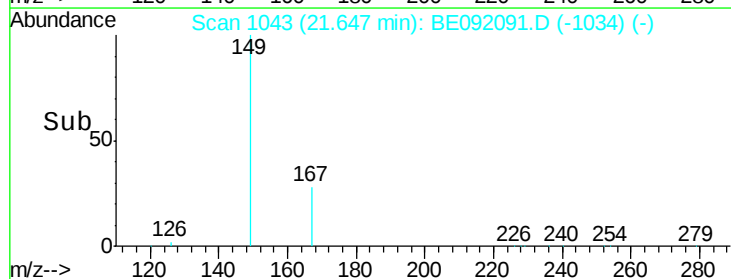
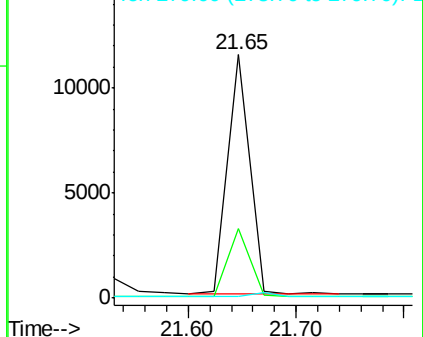
279 0.0 0.0 0.0

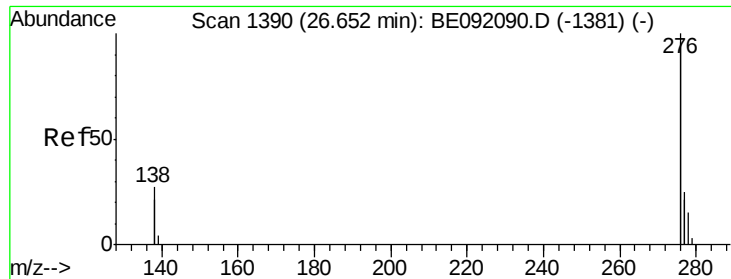


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.69 ng

RT: 26.65 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

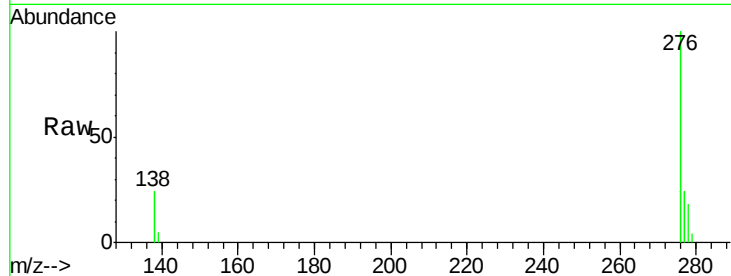
Tot Ion:276 Resp: 77853

Ion Ratio Lower Upper

276 100

138 25.5 21.2 31.8

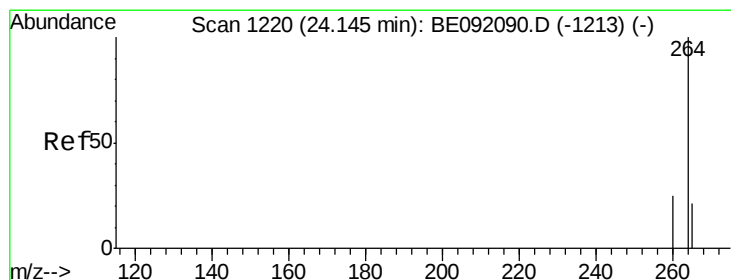
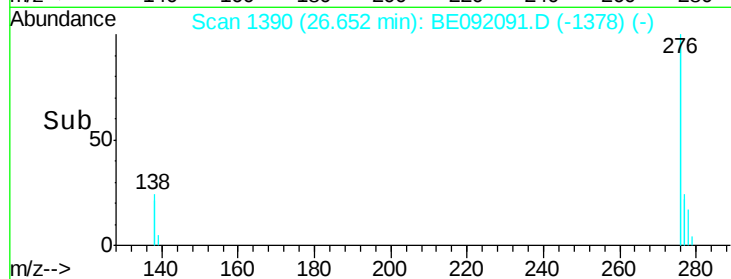
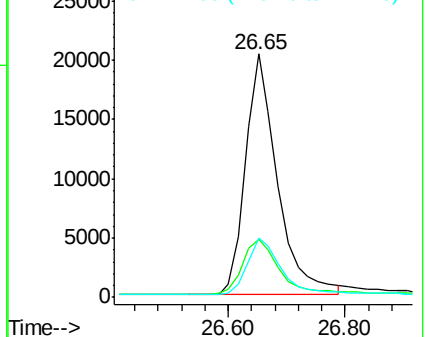
277 24.7 19.8 29.8



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

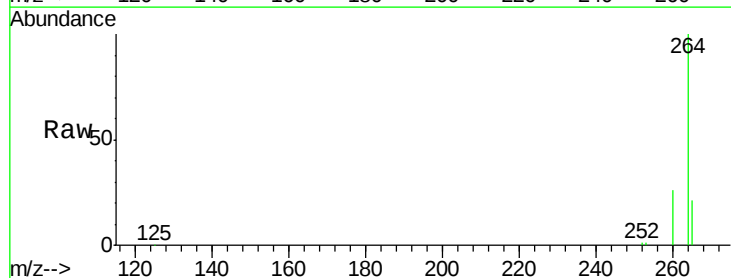
Tgt Ion:264 Resp: 86975

Ion Ratio Lower Upper

264 100

260 25.5 20.8 31.2

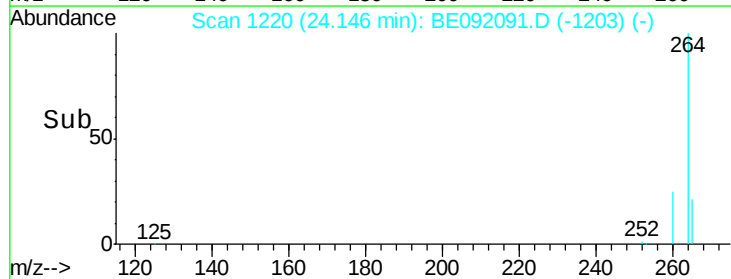
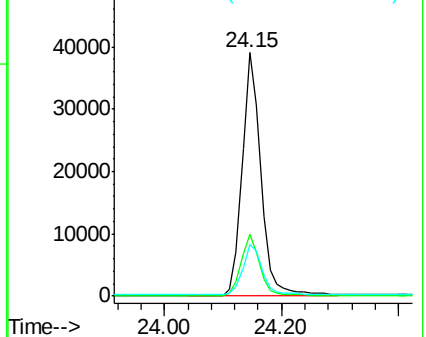
265 21.2 16.6 25.0

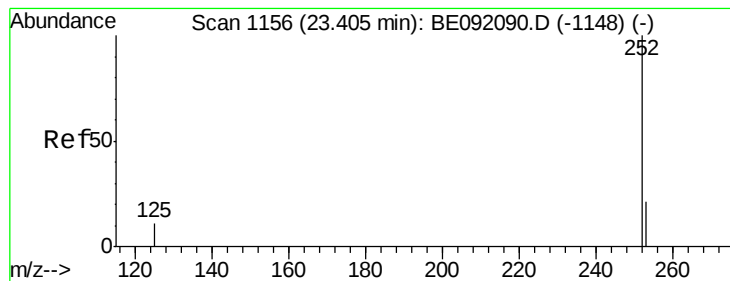


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.67 ng

RT: 23.41 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

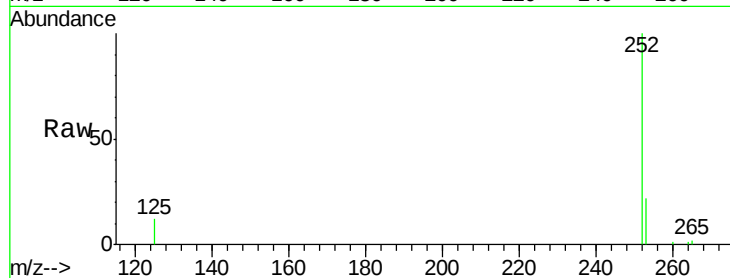
Tot Ion:252 Resp: 17729

Ion Ratio Lower Upper

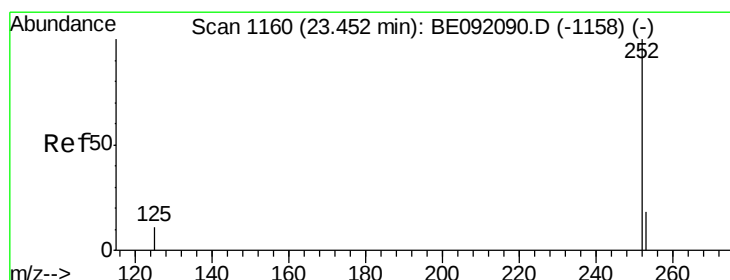
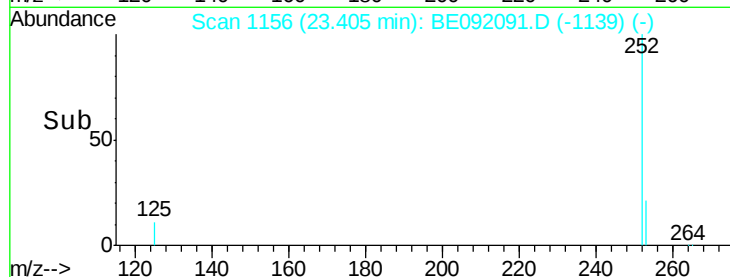
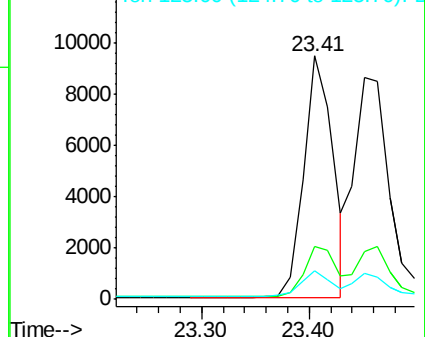
252 100

253 21.8 17.4 26.0

125 11.8 10.2 15.2



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: 0.71 ng

RT: 23.45 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

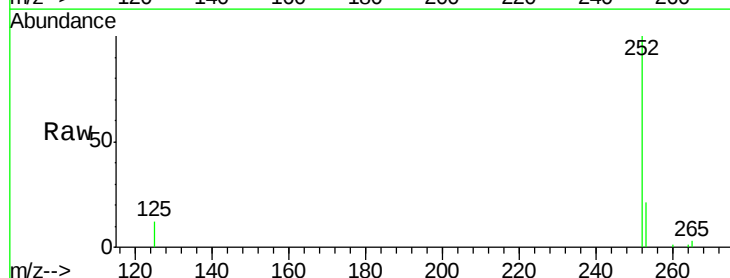
Tgt Ion:252 Resp: 19375

Ion Ratio Lower Upper

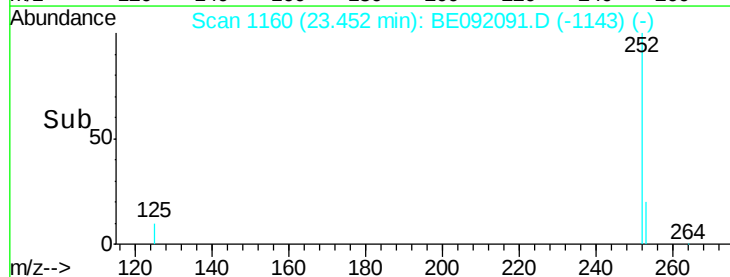
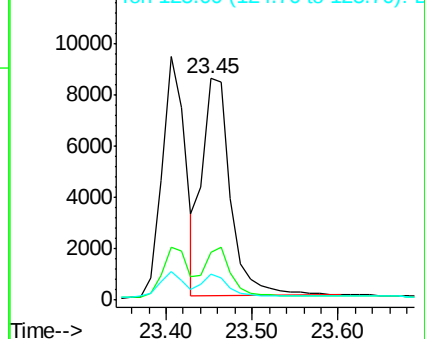
252 100

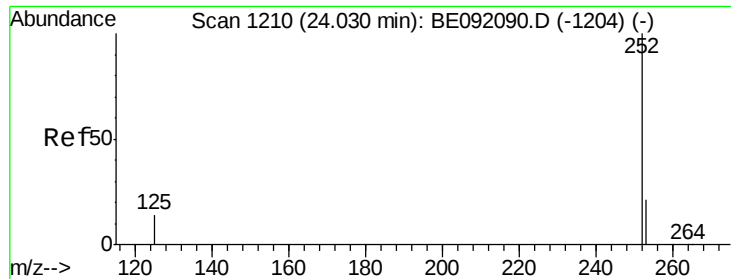
253 21.5 19.4 29.0

125 11.7 8.9 13.3



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





#43

Benzo(a)pyrene

Concen: 0.77 ng

RT: 24.03 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

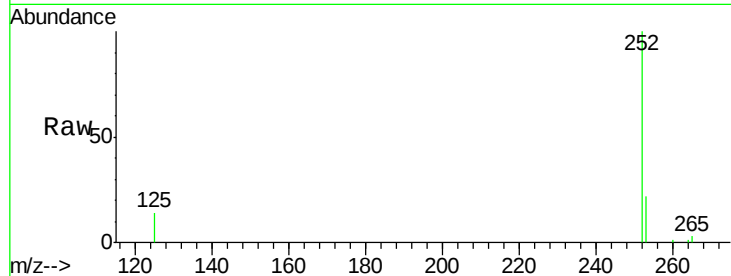
Tot Ion:252 Resp: 17086

Ion Ratio Lower Upper

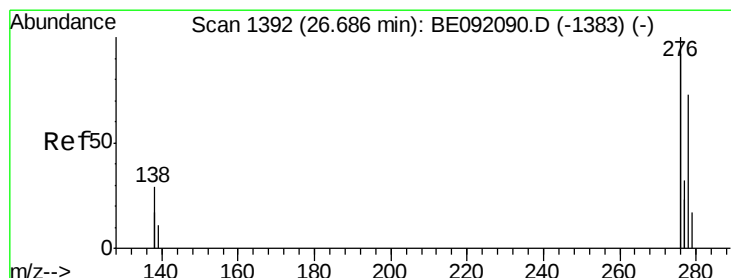
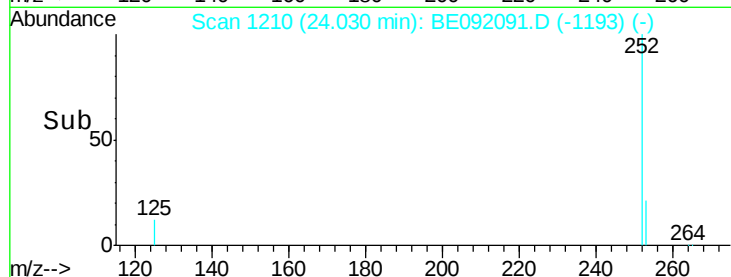
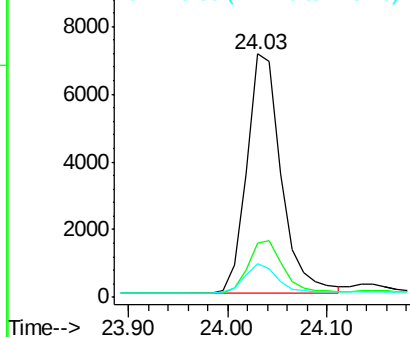
252 100

253 22.3 19.8 29.8

125 13.8 10.4 15.6



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



#44

Dibenzo(a,h)anthracene

Concen: 0.82 ng

RT: 26.69 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

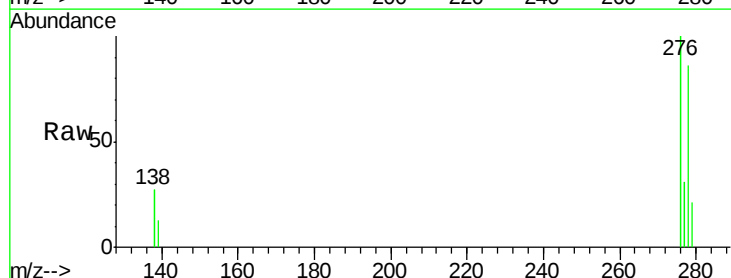
Tgt Ion:278 Resp: 15763

Ion Ratio Lower Upper

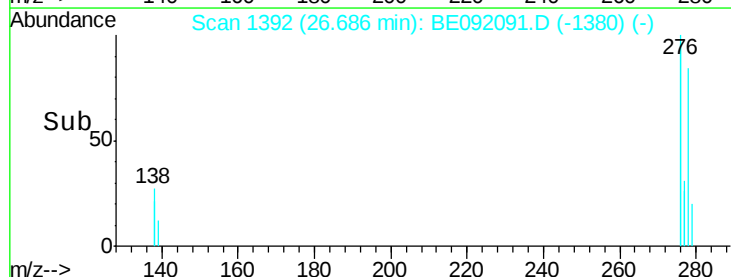
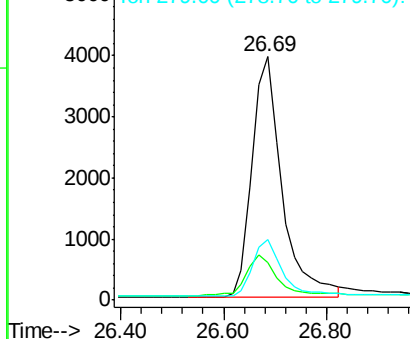
278 100

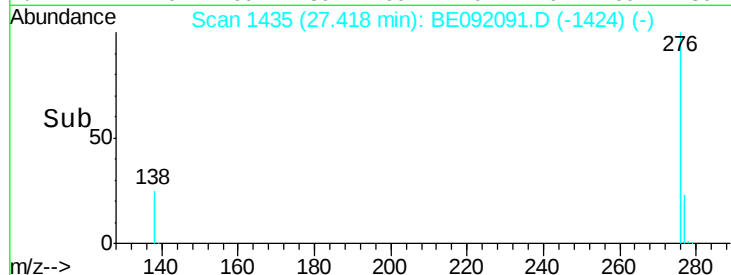
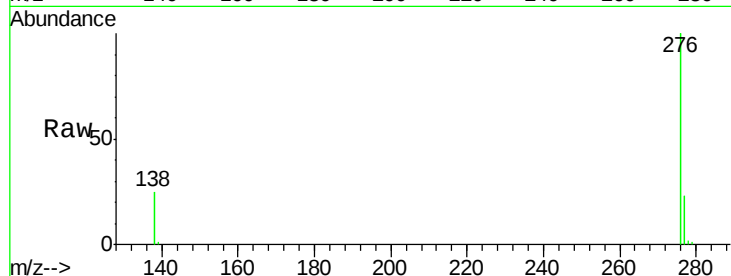
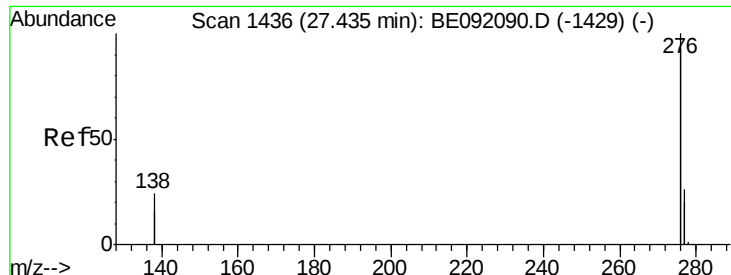
139 15.6 16.7 25.1#

279 24.9 20.3 30.5



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(a,h,i)perylene

Concen: 0.83 ng

RT: 27.42 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE092091.D

Acq: 1 Aug 2016 13:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 276 Resp: 67208

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 24.5 20.8 31.2

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

