

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
 Data File : BE091856.D
 Acq On : 25 May 2016 13:19
 Operator : UM/SJ
 Sample : SSTDICC05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 25 18:10:10 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 18:07:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	25067	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	122466	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	81257	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	241362	5.00	ng	0.00
31) Chrysene-d12	21.29	240	291181	5.00	ng	0.00
40) Perylene-d12	23.73	264	255978	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	32621	4.73	ng	-0.02
5) Phenol-d6	6.95	99	44867	4.86	ng	0.00
9) Nitrobenzene-d5	8.91	82	48170	4.97	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	17558	5.18	ng	-0.02
17) 2-Fluorobiphenyl	13.03	172	105564	4.73	ng	0.00
34) Terphenyl-d14	19.74	244	202035	5.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	14731	4.50	ng	98
3) n-Nitrosodimethylamine	3.61	42	21520	4.92	ng	91
6) bis(2-Chloroethyl)ether	7.20	93	36265	4.76	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	34793	4.94	ng	# 91
10) Nitrobenzene	8.96	77	48025	5.21	ng	# 99
11) bis(2-Chloroethoxy)methane	9.96	93	57113	5.34	ng	# 13
12) Naphthalene	10.61	128	118128	4.80	ng	97
13) Hexachlorobutadiene	10.90	225	17873	4.69	ng	99
14) 2-Methylnaphthalene	12.21	142	81795	4.90	ng	# 90
18) Acenaphthylene	14.10	152	176181	4.88	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	31193	5.64	ng	# 83
20) Acenaphthene	14.44	154	96246	4.85	ng	99
21) 2,4-Dinitrotoluene	14.76	165	37163	5.79	ng	# 1
22) Fluorene	15.44	166	131091	5.01	ng	99
23) 4-Chlorophenyl-phenylether	15.44	204	61682	4.82	ng	98
25) 4-Bromophenyl-phenylether	16.31	248	40294	5.10	ng	98
26) Hexachlorobenzene	16.44	284	37546	4.98	ng	99
27) Pentachlorophenol	16.78	266	19418	5.77	ng	91
28) Phenanthrene	17.17	178	227500	4.97	ng	99
29) Anthracene	17.26	178	227809	5.19	ng	100
30) Fluoranthene	19.17	202	269290	5.08	ng	99
32) Benzidine	19.36	184	135008	5.90	ng	# 94
33) Pyrene	19.53	202	293212	5.26	ng	99
35) Benzo(a)anthracene	21.27	228	620697	6.55	ng	98
36) 3,3'-Dichlorobenzidine	21.22	252	197907	5.21	ng	# 93
37) Chrysene	21.27	228	622321	6.68	ng	91
38) Bis(2-ethylhexyl)phthalate	21.20	149	136325	5.50	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	332455	5.00	ng	100
41) Benzo(b)fluoranthene	22.97	252	318409	5.13	ng	# 96
42) Benzo(k)fluoranthene	23.02	252	283777	4.75	ng	96
43) Benzo(a)pyrene	23.61	252	285647	4.90	ng	# 97
44) Dibenzo(a,h)anthracene	26.28	278	276510	4.96	ng	98
45) Benzo(a,h,i)perylene	27.05	276	277972	4.94	ng	98

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Instrument :
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QLast Update : Wed May 25 18:07:24 2016
Response via : Initial Calibration

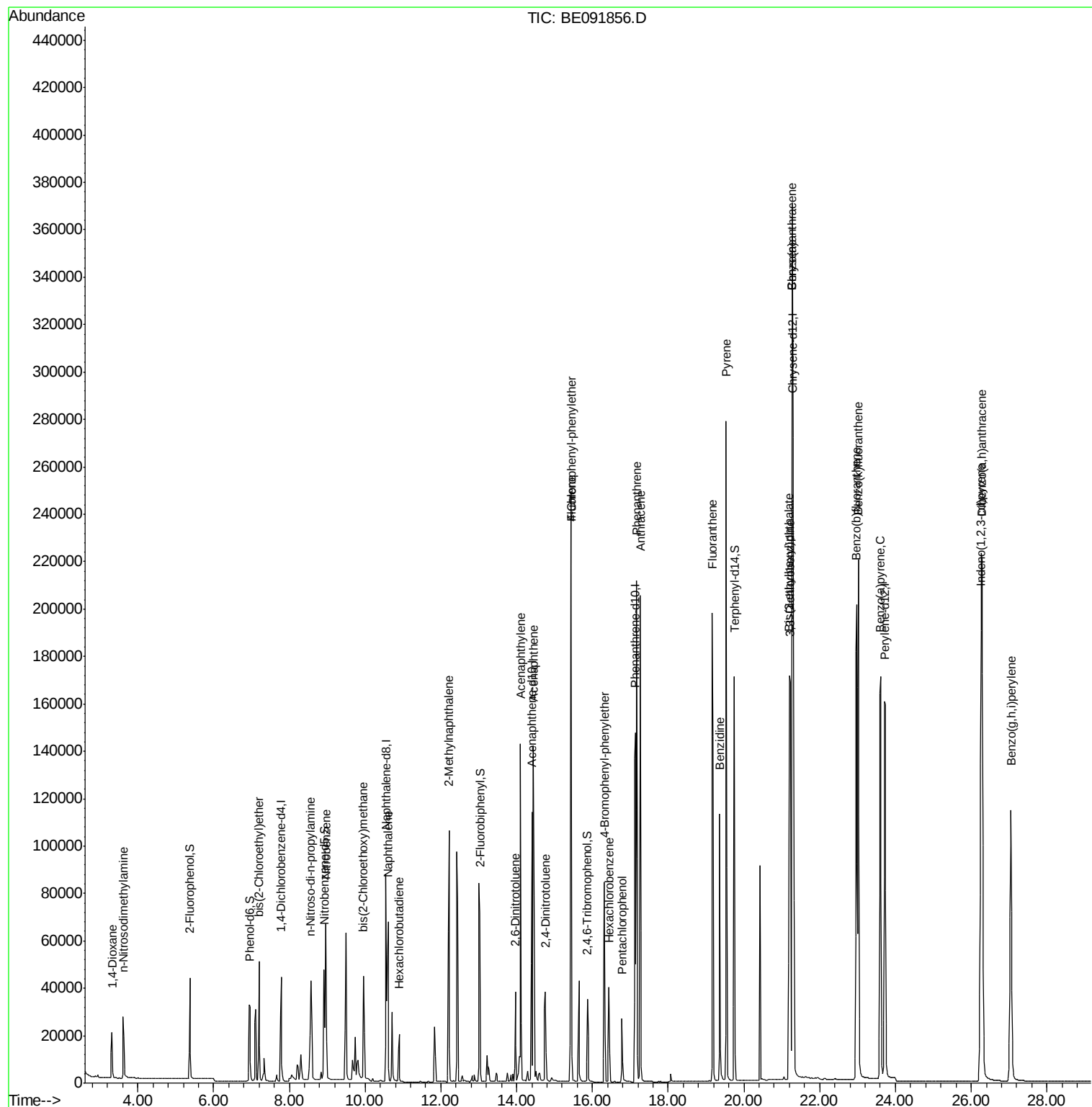
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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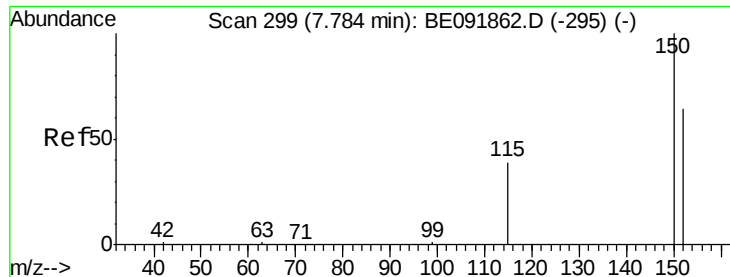
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampled :

Quant Time: May 25 18:10:10 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

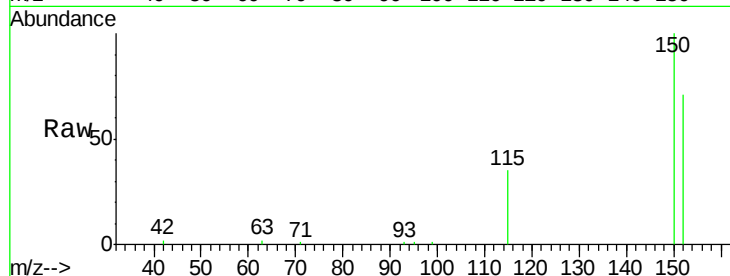
Tot Ion:152 Resp: 25067

Ion Ratio Lower Upper

152 100

150 141.5 123.9 185.9

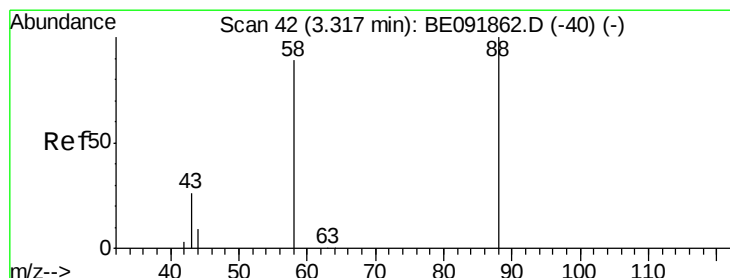
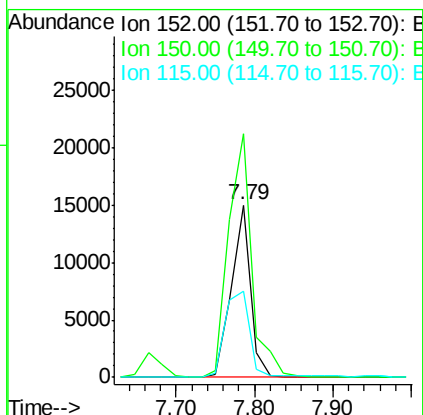
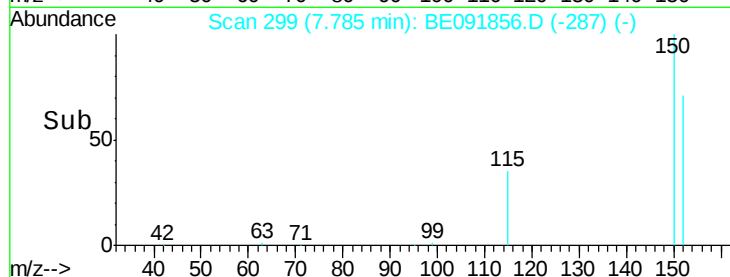
115 50.0 48.3 72.5



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: 4.50 ng

RT: 3.32 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

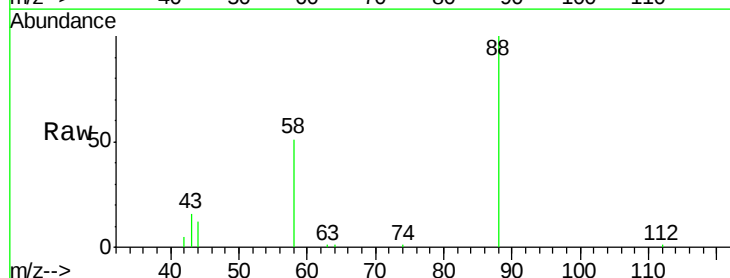
Tgt Ion: 88 Resp: 14731

Ion Ratio Lower Upper

88 100

58 80.1 63.0 94.4

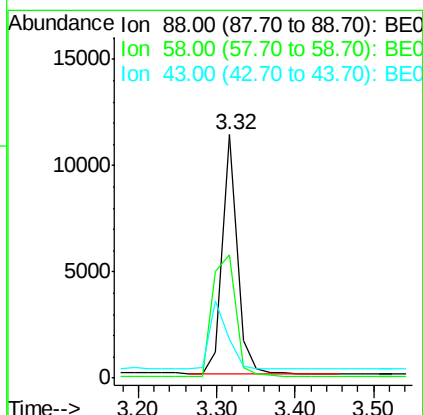
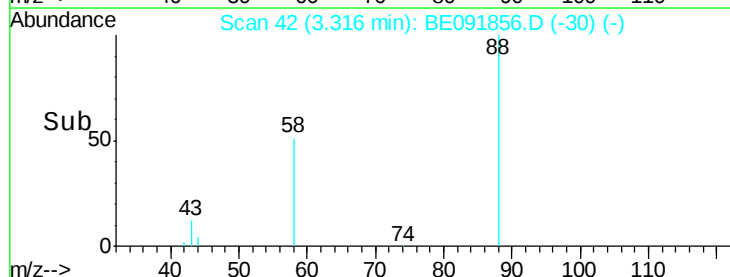
43 34.3 29.1 43.7

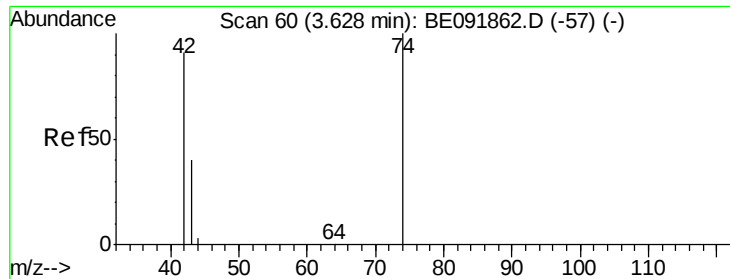


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



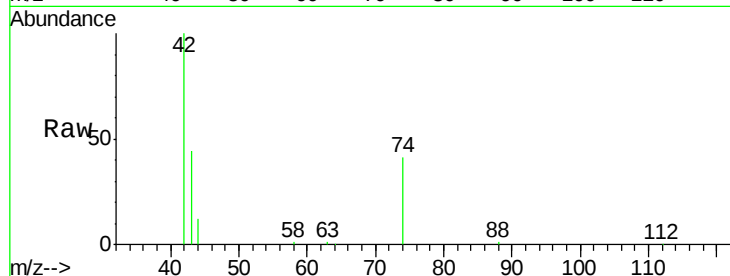


#3

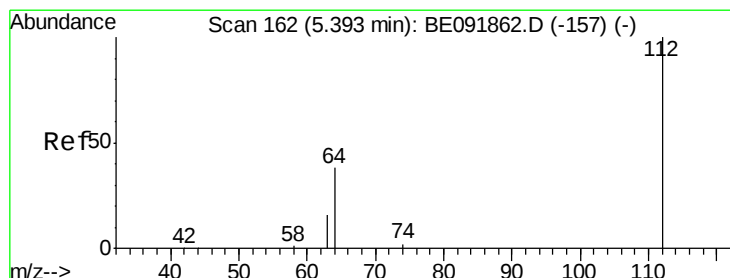
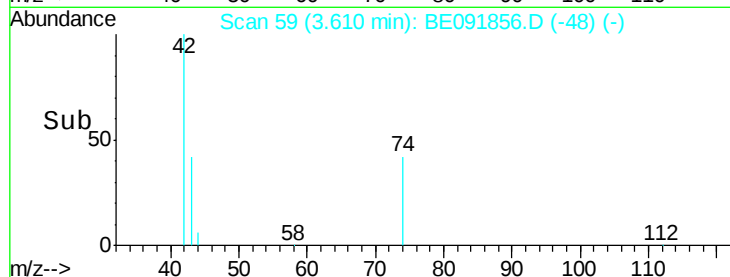
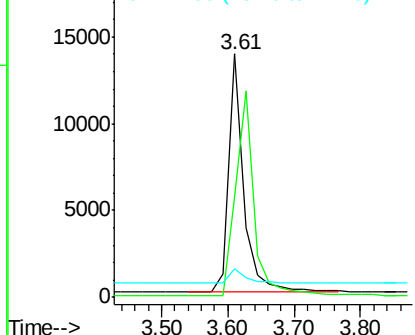
n-Nitrosodimethylamine
Concen: 4.92 ng
RT: 3.61 min Scan# 59
Delta R.T. -0.02 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 21520
Ion Ratio Lower Upper
42 100
74 106.4 93.4 140.0
44 6.4 5.0 7.6



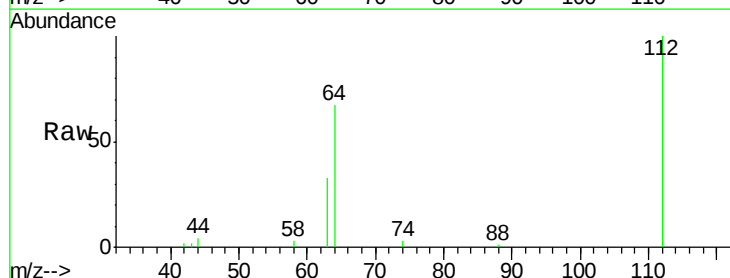
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



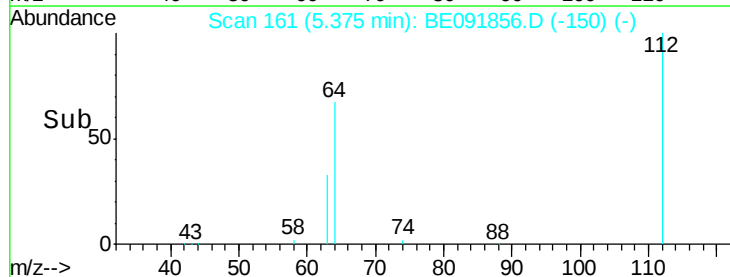
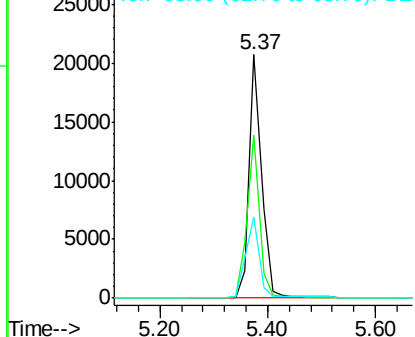
#4

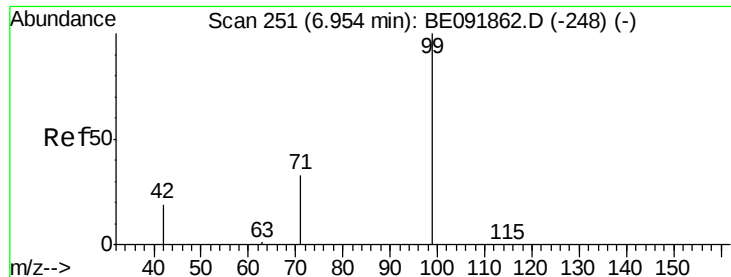
2-Fluorophenol
Concen: 4.73 ng
RT: 5.37 min Scan# 161
Delta R.T. -0.02 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion: 112 Resp: 32621
Ion Ratio Lower Upper
112 100
64 67.2 53.7 80.5
63 35.6 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.86 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

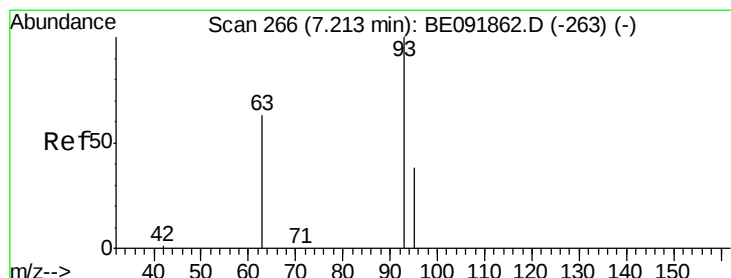
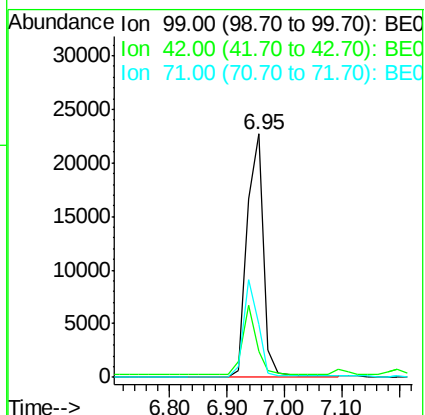
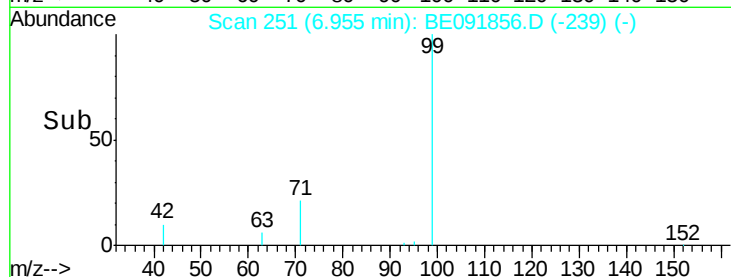
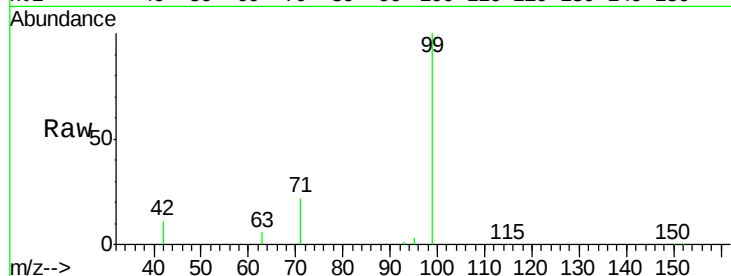
Tot Ion: 99 Resp: 44867

Ion Ratio Lower Upper

99 100

42 24.7 19.6 29.4

71 35.7 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 4.76 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

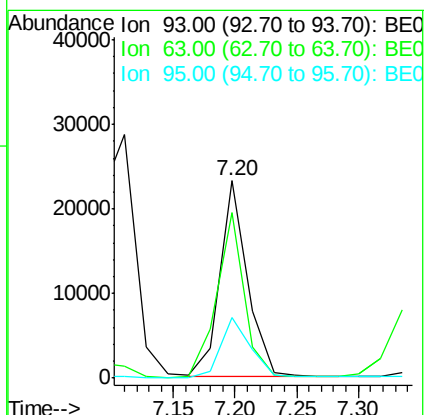
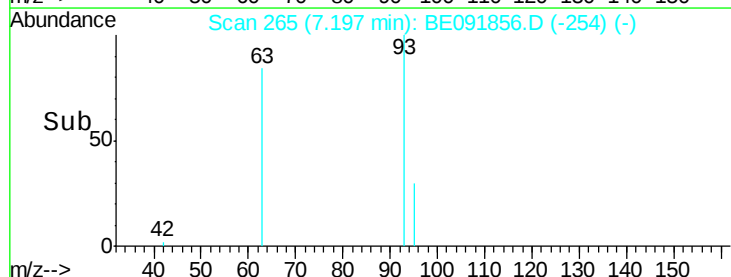
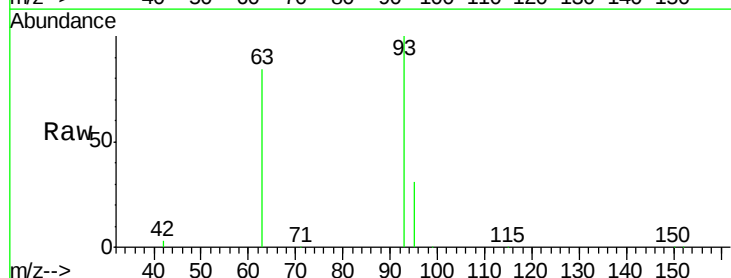
Tgt Ion: 93 Resp: 36265

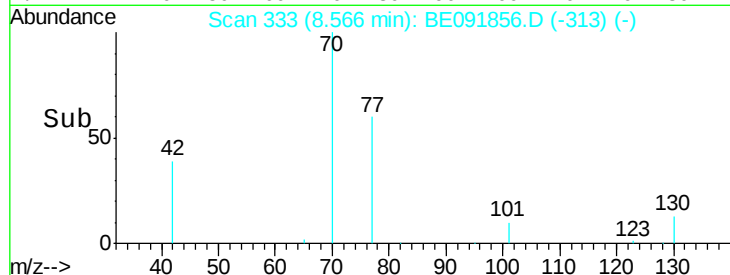
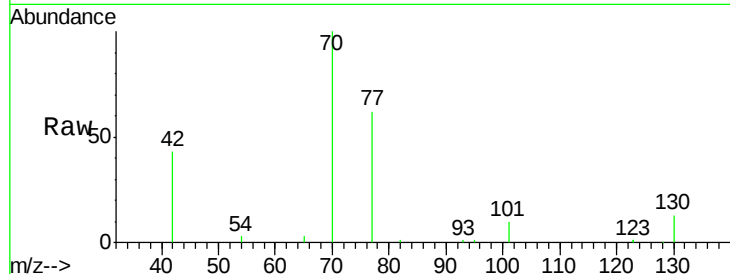
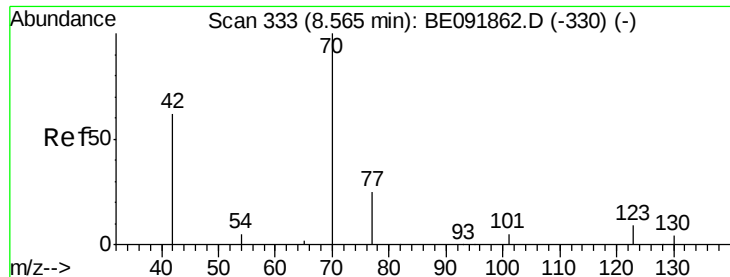
Ion Ratio Lower Upper

93 100

63 83.6 66.2 99.4

95 32.4 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 4.94 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampled :

Tot Ion: 70 Resp: 34793

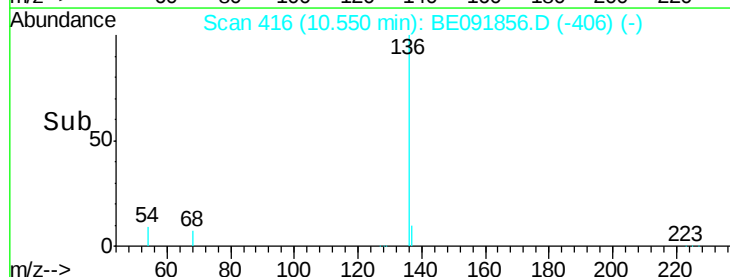
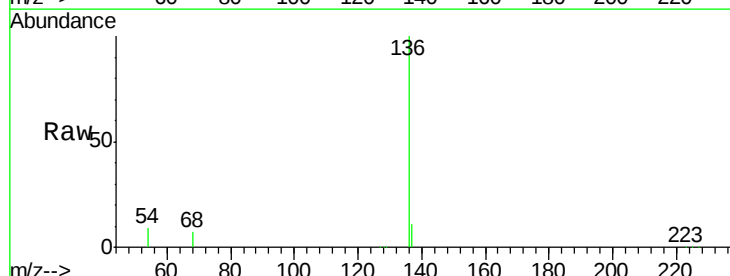
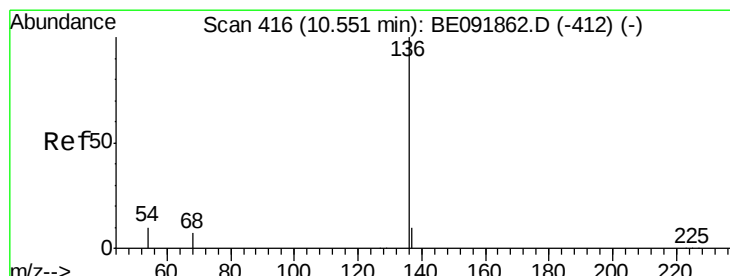
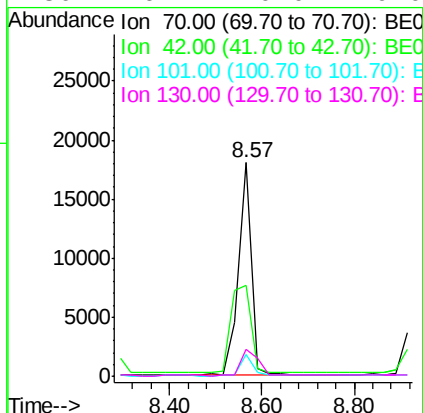
Ion Ratio Lower Upper

70 100

42 65.3 58.4 87.6

101 9.1 6.4 9.6

130 16.1 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Tgt Ion: 136 Resp: 122466

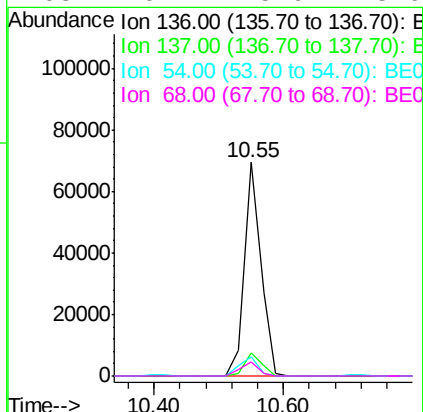
Ion Ratio Lower Upper

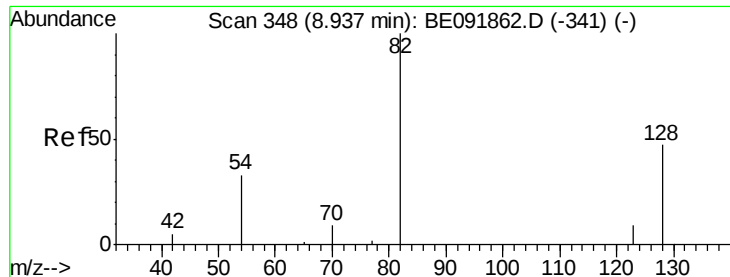
136 100

137 10.5 8.3 12.5

54 9.1 8.2 12.4

68 6.7 5.9 8.9





#9

Nitrobenzene-d5

Concen: 4.97 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

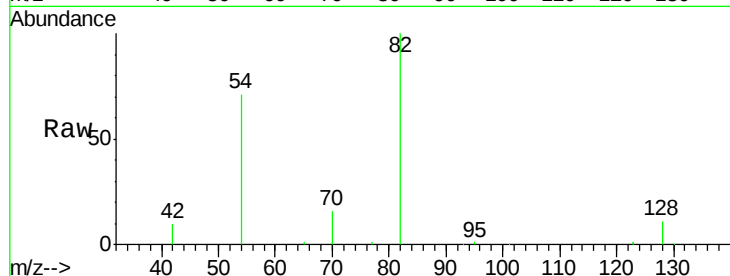
Tot Ion: 82 Resp: 48170

Ion Ratio Lower Upper

82 100

128 11.3 39.5 59.3#

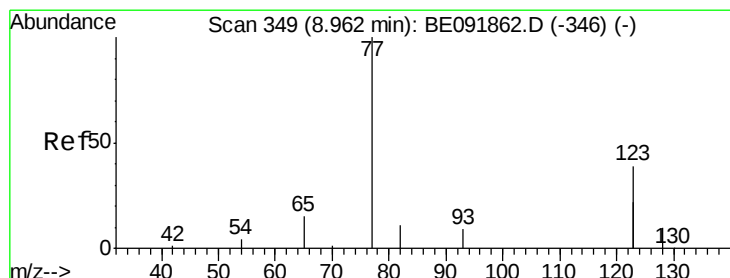
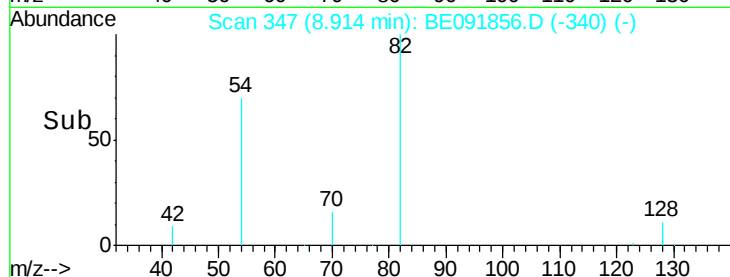
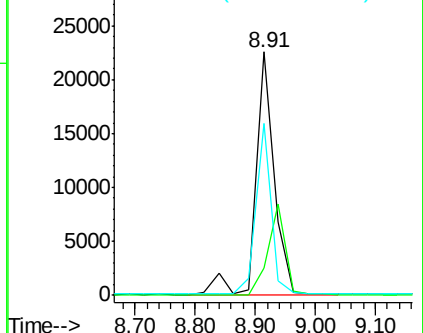
54 70.7 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 5.21 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

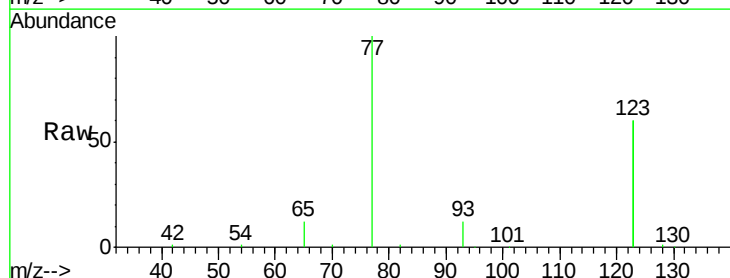
Tgt Ion: 77 Resp: 48025

Ion Ratio Lower Upper

77 100

123 145.0 0.0 0.0#

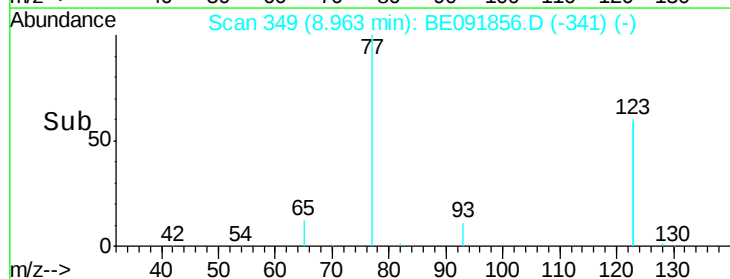
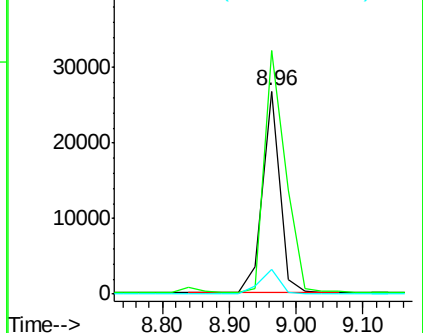
65 13.6 11.1 16.7

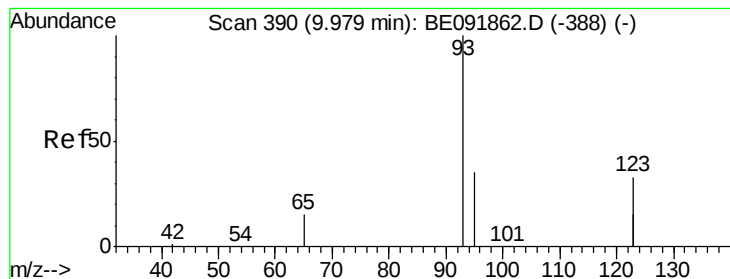


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 5.34 ng

RT: 9.96 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampled :

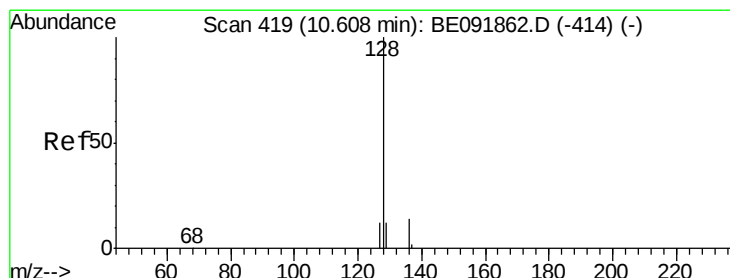
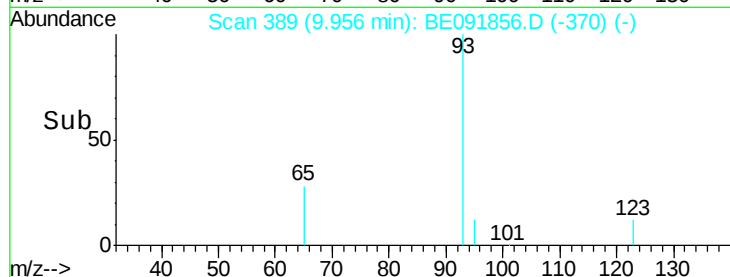
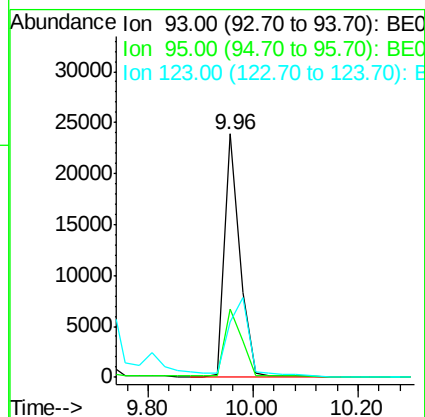
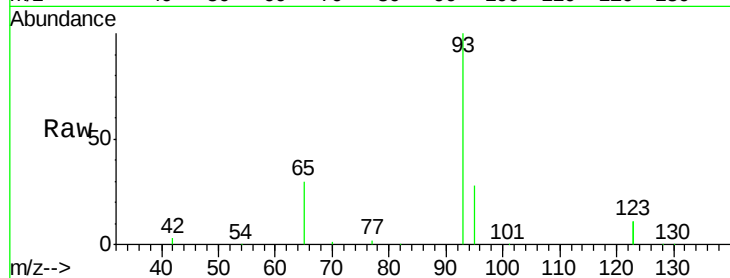
Tot Ion: 93 Resp: 57113

Ion Ratio Lower Upper

93 100

95 33.4 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 4.80 ng

RT: 10.61 min Scan# 419

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

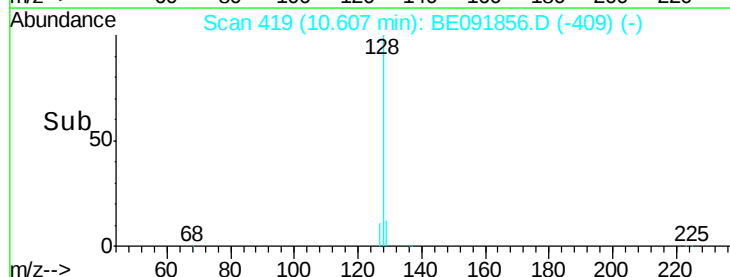
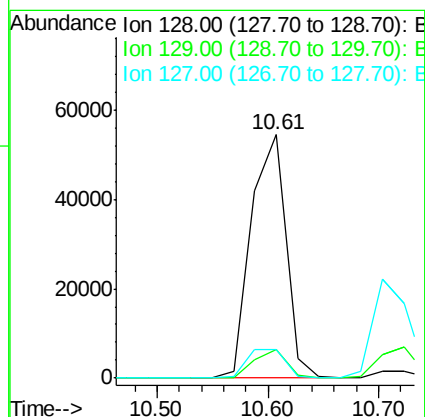
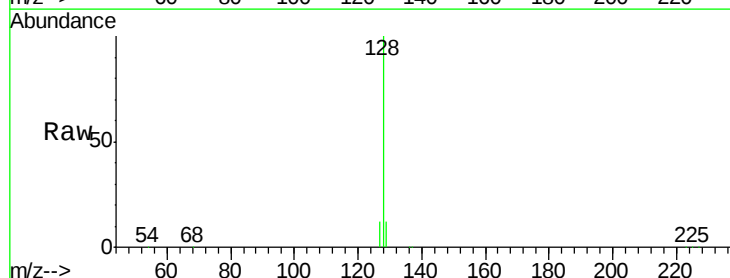
Tgt Ion: 128 Resp: 118128

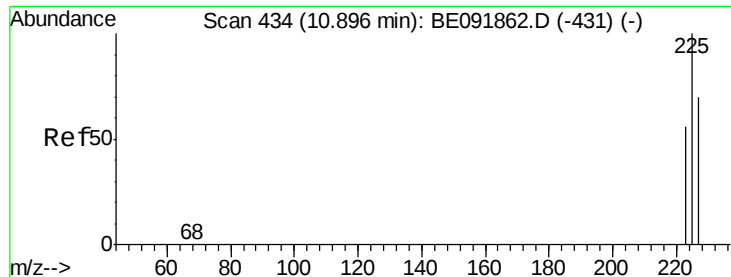
Ion Ratio Lower Upper

128 100

129 11.9 10.4 15.6

127 11.5 10.2 15.2

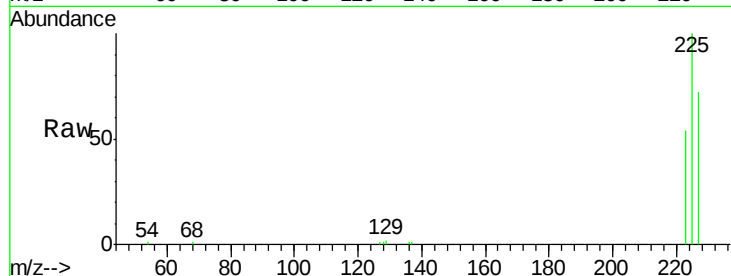




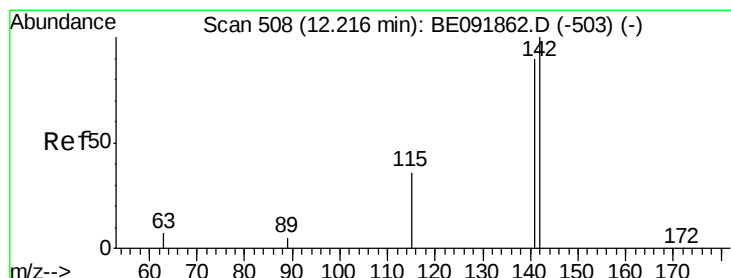
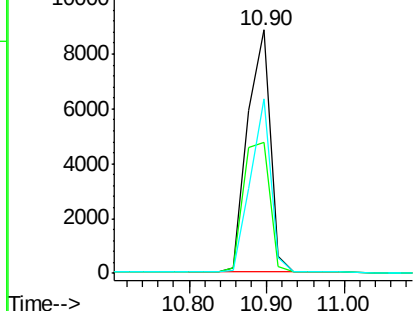
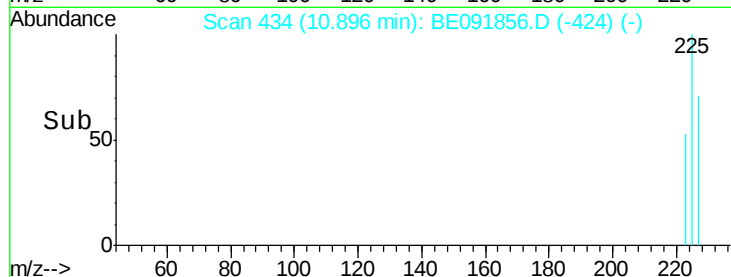
#13
Hexachlorobutadiene
Concen: 4.69 ng
RT: 10.90 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 17873
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 64.2 50.6 75.8

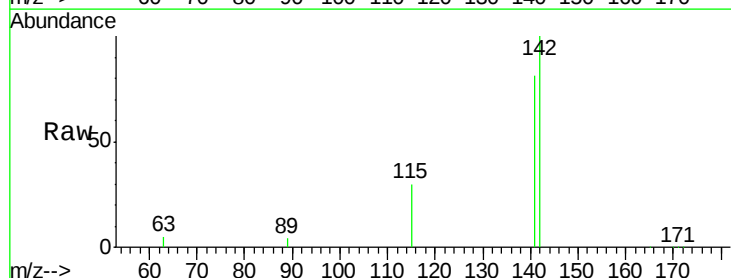


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

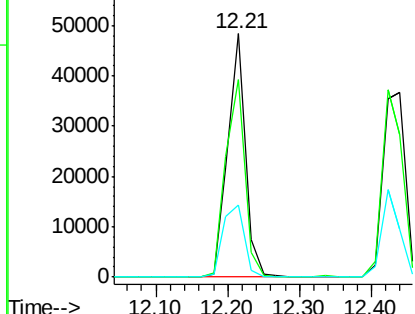
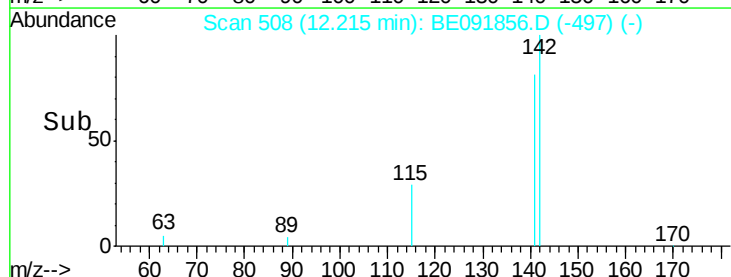


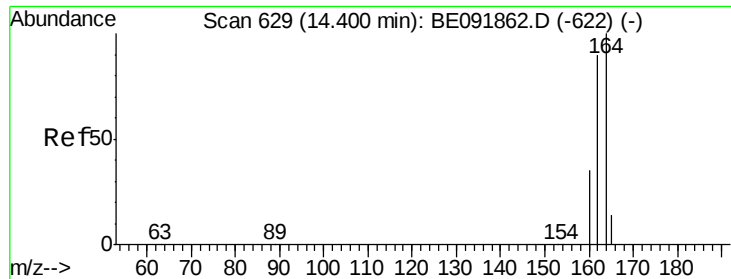
#14
2-Methylnaphthalene
Concen: 4.90 ng
RT: 12.21 min Scan# 508
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:142 Resp: 81795
Ion Ratio Lower Upper
142 100
141 81.1 71.9 107.9
115 29.6 29.9 44.9#



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: 14.40 min Scan# 629

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

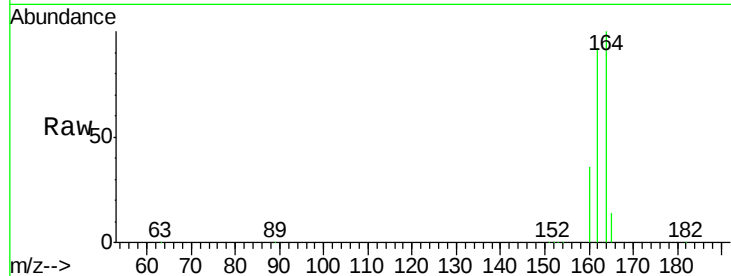
Tot Ion:164 Resp: 81257

Ion Ratio Lower Upper

164 100

162 91.7 71.8 107.8

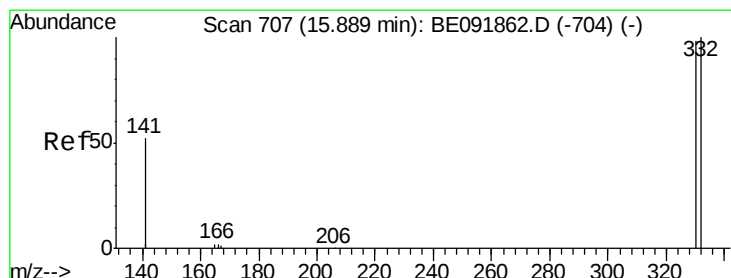
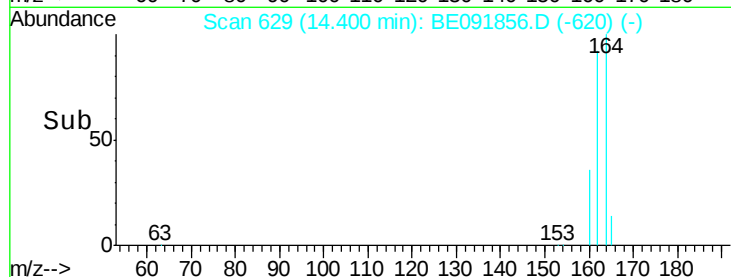
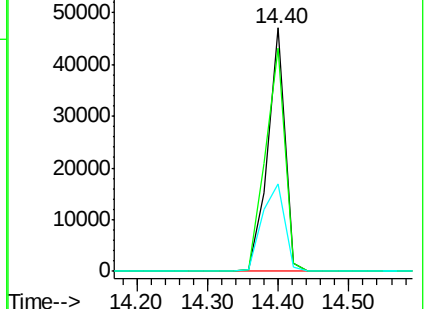
160 35.7 28.0 42.0



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: 5.18 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

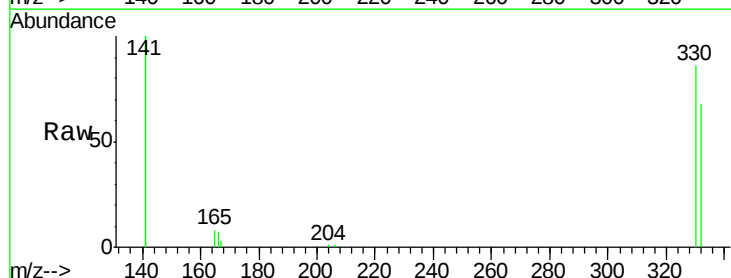
Tgt Ion:330 Resp: 17558

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

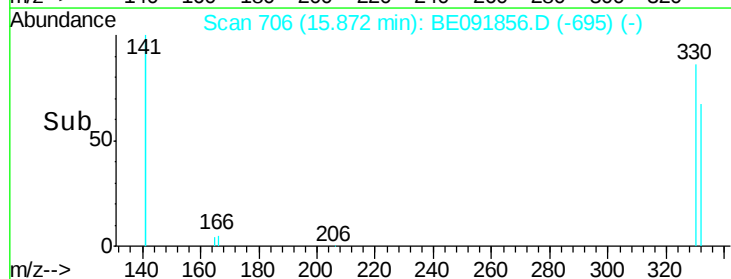
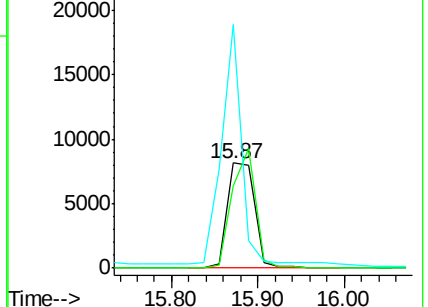
141 167.0 138.4 207.6

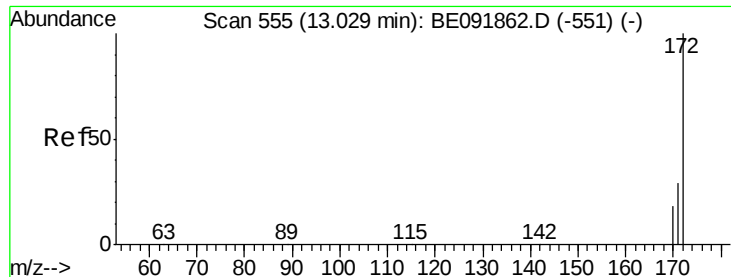


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

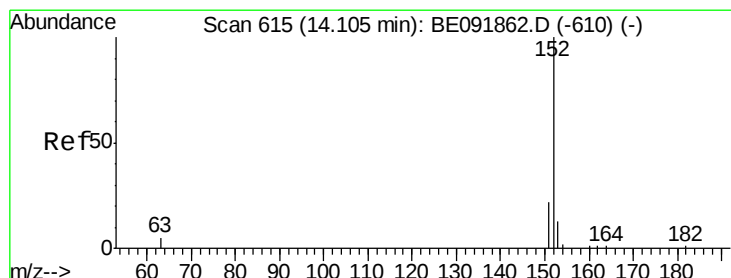
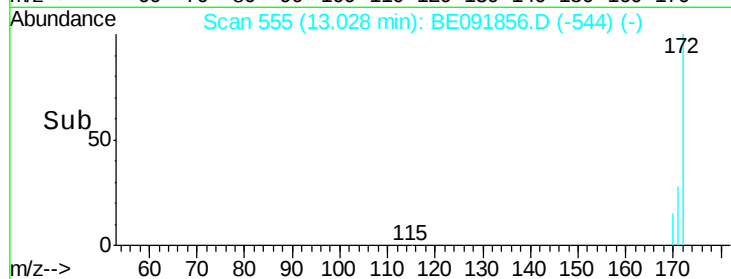
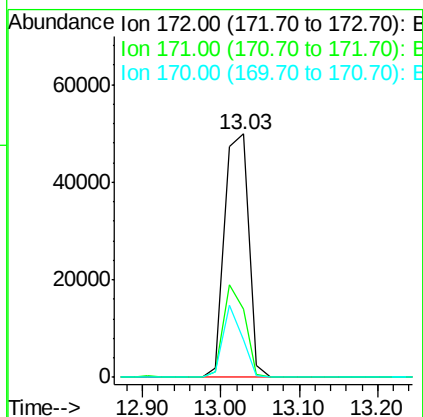
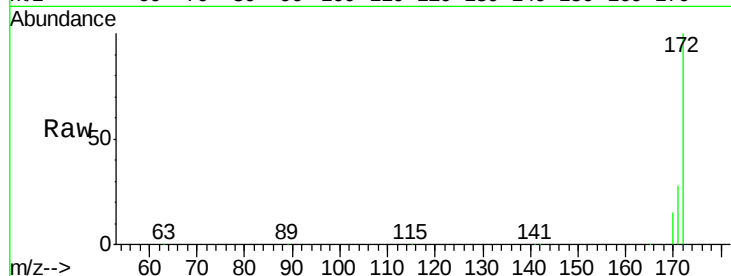




#17
2-Fluorobiphenyl
Concen: 4.73 ng
RT: 13.03 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

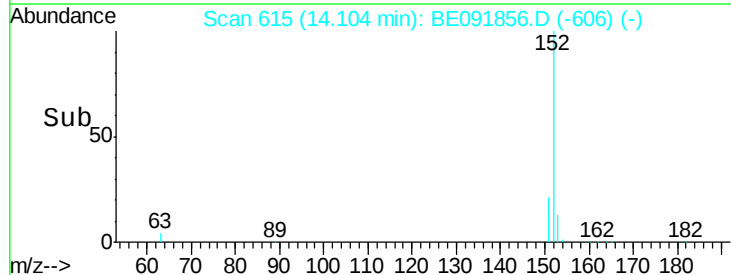
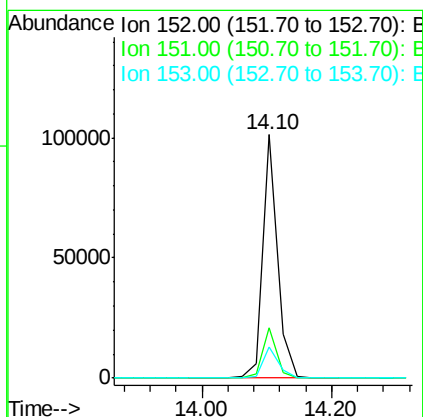
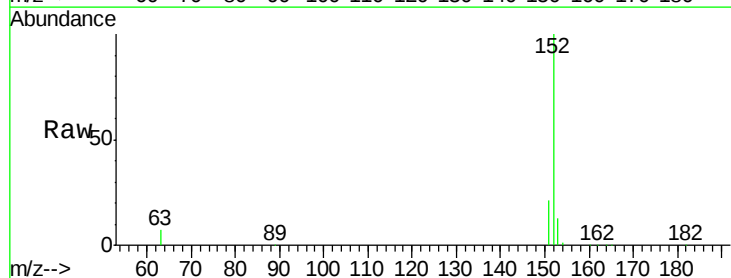
Instrument :
BNA_E
ClientSampleId :

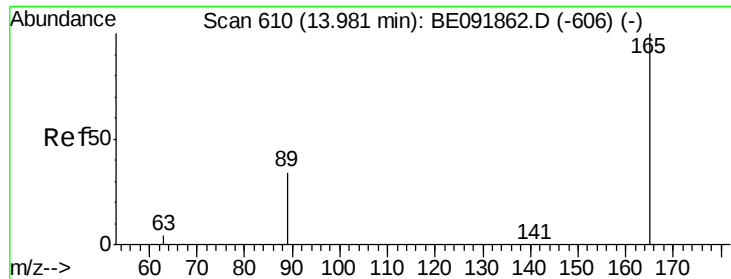
Tot Ion:172 Resp: 105564
Ion Ratio Lower Upper
172 100
171 28.0 24.3 36.5
170 15.2 14.9 22.3



#18
Acenaphthylene
Concen: 4.88 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:152 Resp: 176181
Ion Ratio Lower Upper
152 100
151 20.4 19.4 29.2
153 13.4 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 5.64 ng

RT: 13.96 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

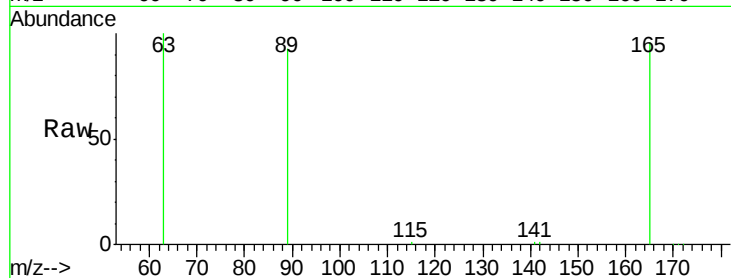
Tot Ion:165 Resp: 31193

Ion Ratio Lower Upper

165 100

63 60.5 65.9 98.9#

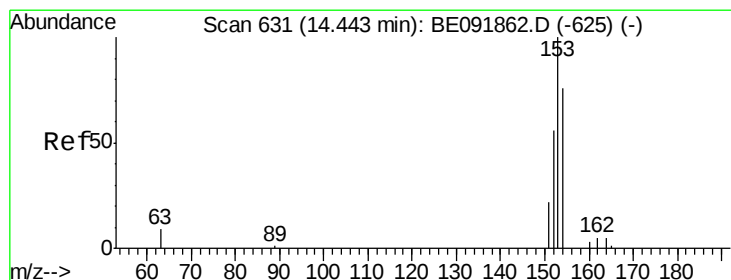
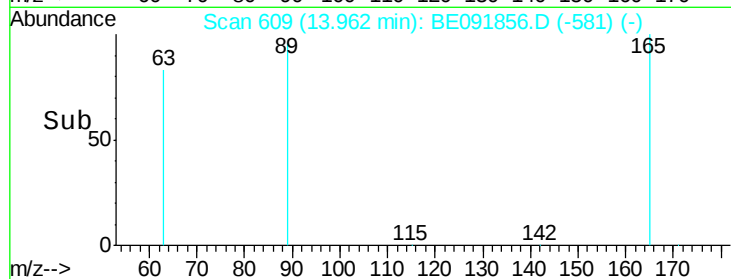
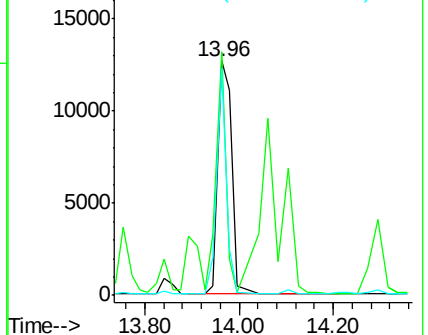
89 66.5 59.1 88.7



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: 4.85 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

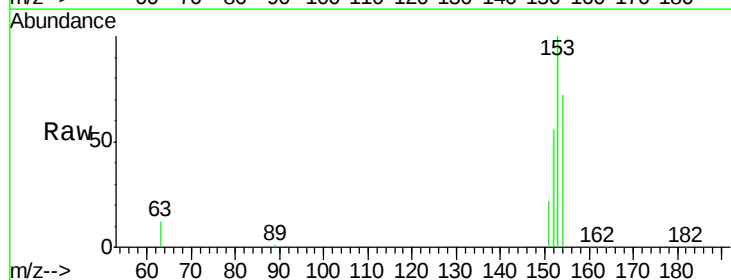
Tgt Ion:154 Resp: 96246

Ion Ratio Lower Upper

154 100

153 111.1 88.1 132.1

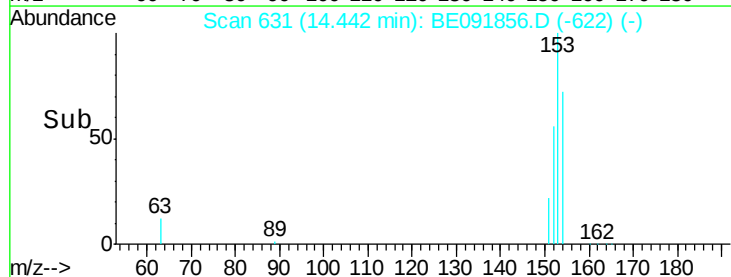
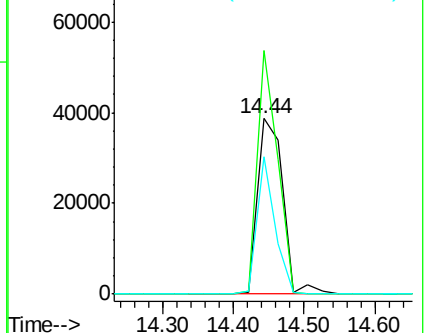
152 55.1 44.2 66.2

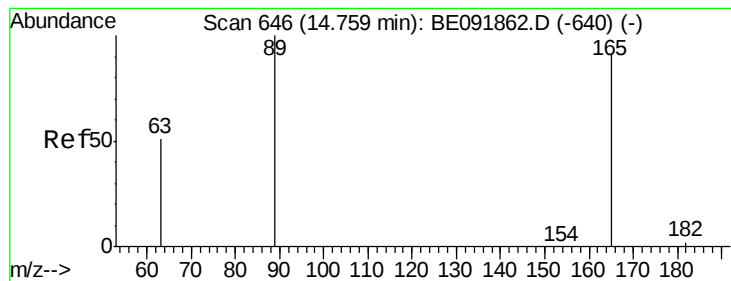


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

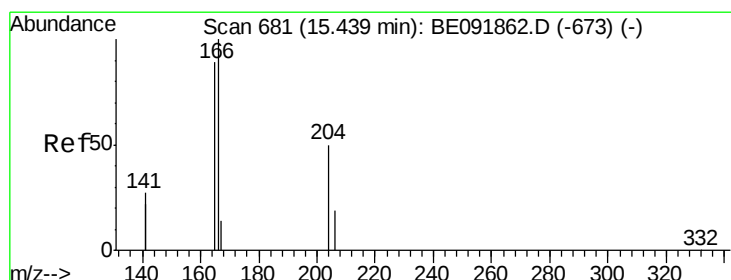
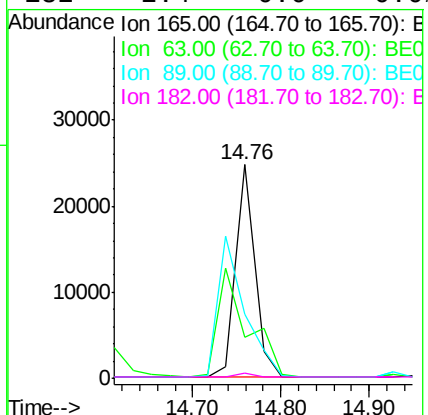
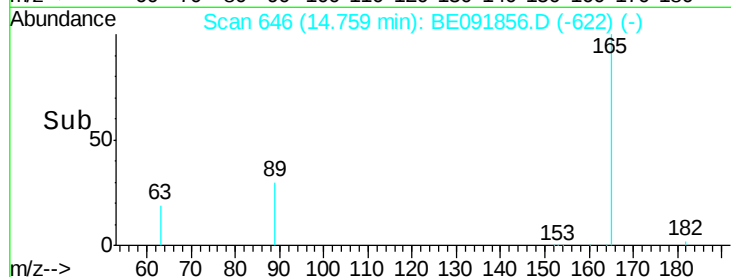
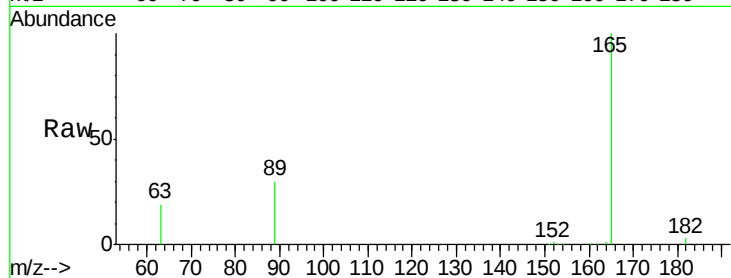




#21
2,4-Dinitrotoluene
Concen: 5.79 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

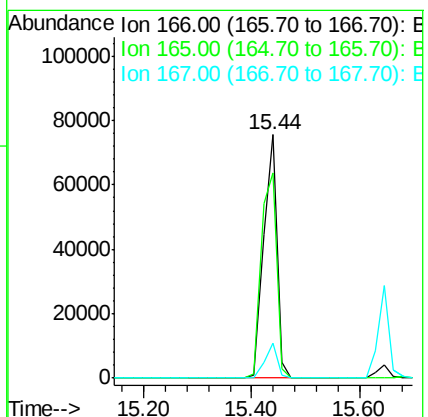
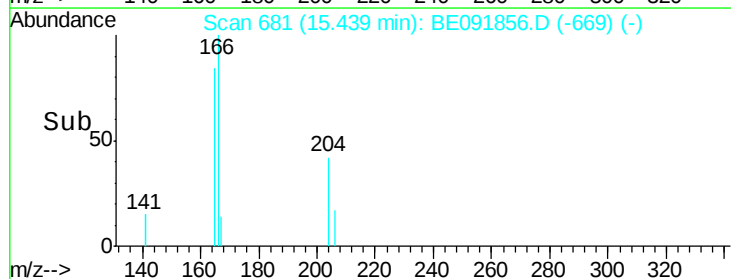
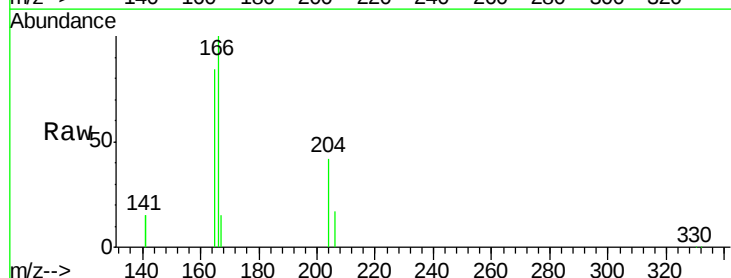
Instrument :
BNA_E
ClientSampleId :

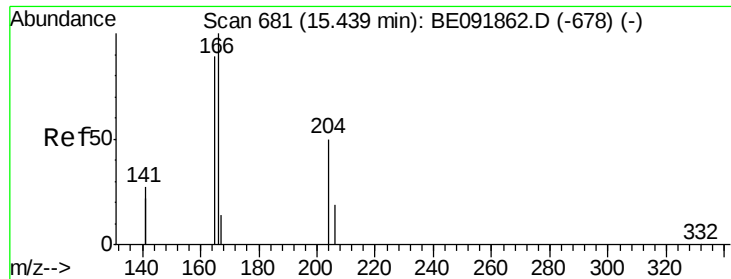
Tot Ion:165 Resp: 37163
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 2.4 0.0 0.0#



#22
Fluorene
Concen: 5.01 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:166 Resp: 131091
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 13.4 10.8 16.2





#23

4-Chlorophenyl-phenylether

Concen: 4.82 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampled :

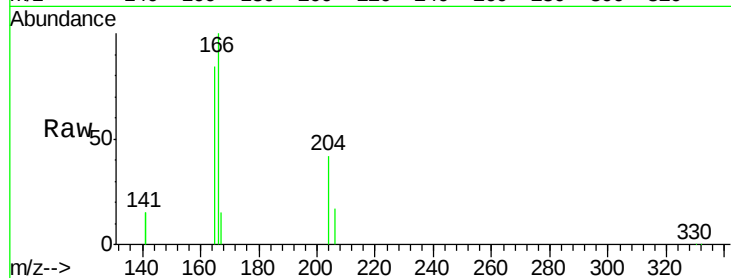
Tot Ion:204 Resp: 61682

Ion Ratio Lower Upper

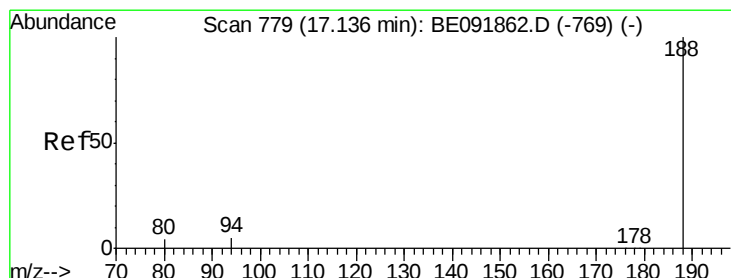
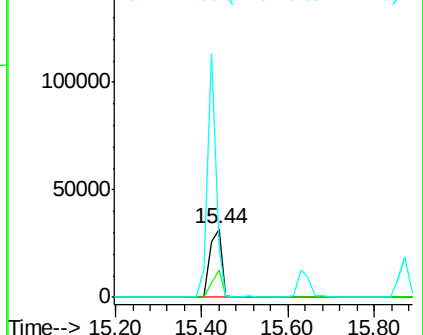
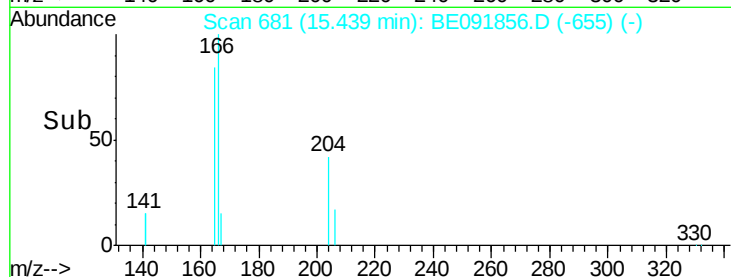
204 100

206 33.8 27.8 41.6

141 250.5 197.6 296.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

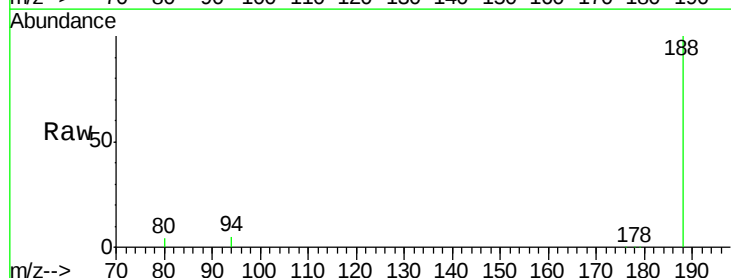
Tgt Ion:188 Resp: 241362

Ion Ratio Lower Upper

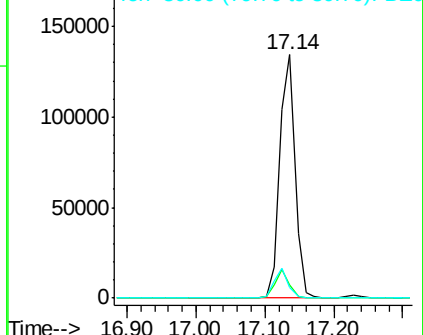
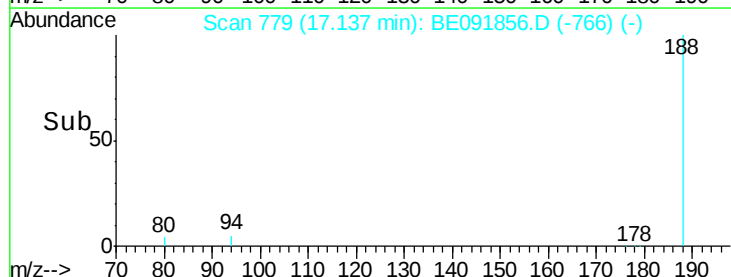
188 100

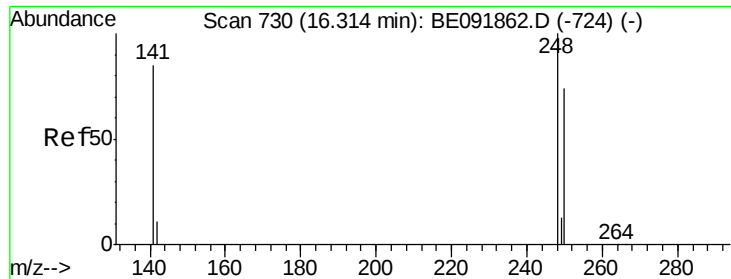
94 5.2 4.1 6.1

80 4.3 3.4 5.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

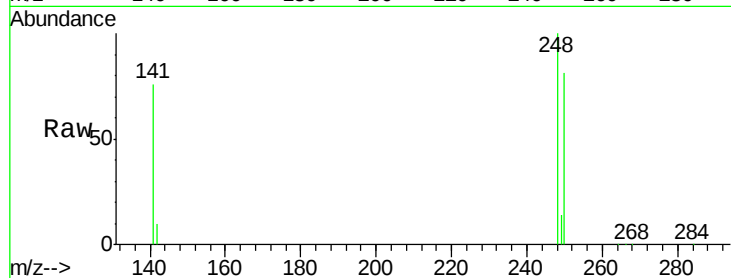




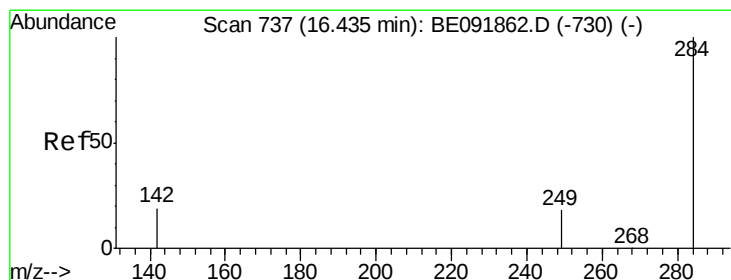
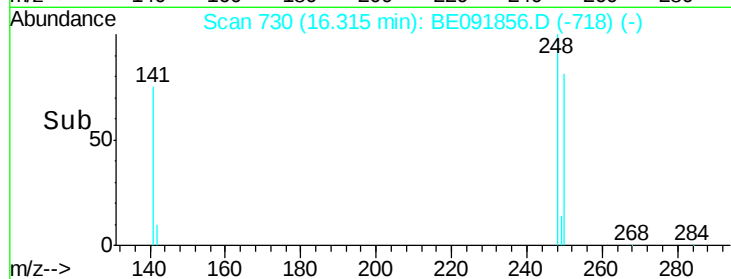
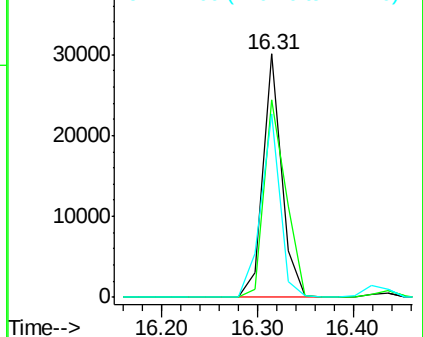
#25
4-Bromophenyl-phenylether
Concen: 5.10 ng
RT: 16.31 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:248 Resp: 40294
Ion Ratio Lower Upper
248 100
250 94.8 75.7 113.5
141 77.3 64.6 97.0

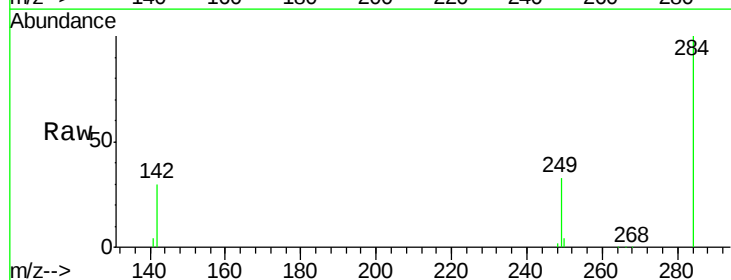


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

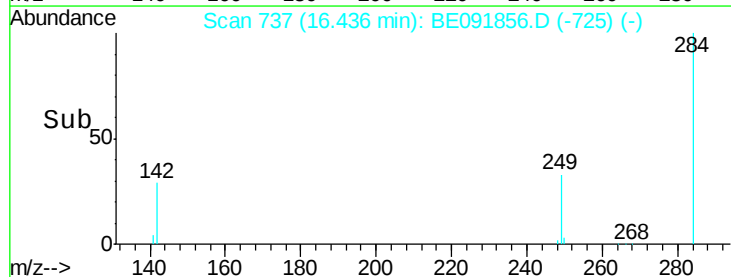
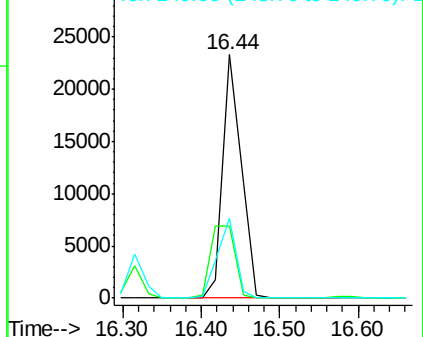


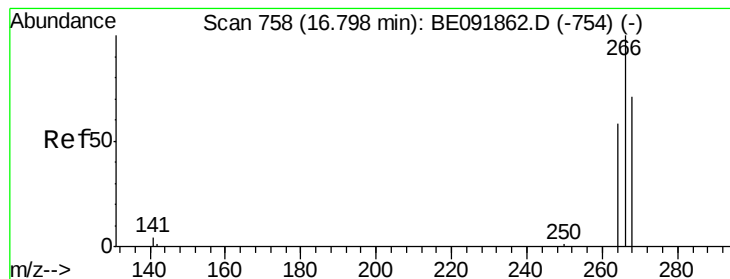
#26
Hexachlorobenzene
Concen: 4.98 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:284 Resp: 37546
Ion Ratio Lower Upper
284 100
142 38.8 31.4 47.2
249 32.5 25.3 37.9



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





#27

Pentachlorophenol

Concen: 5.77 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

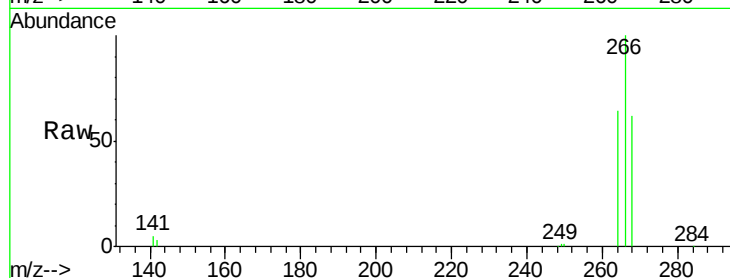
Tot Ion:266 Resp: 19418

Ion Ratio Lower Upper

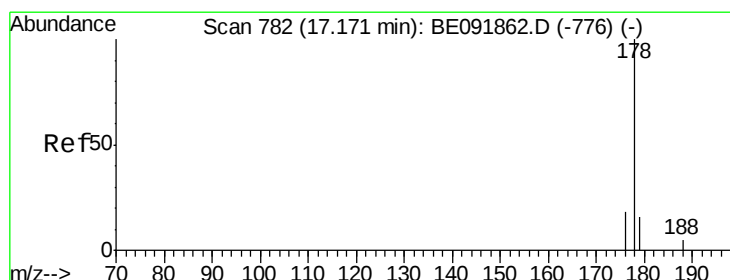
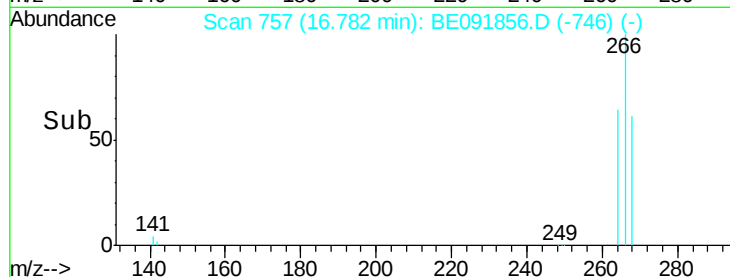
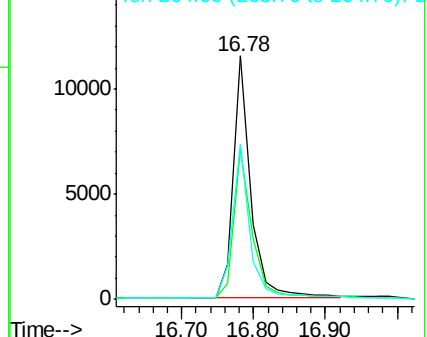
266 100

268 61.5 60.5 90.7

264 63.8 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: 4.97 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

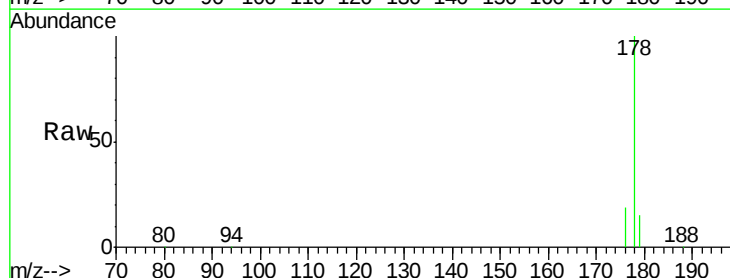
Tgt Ion:178 Resp: 227500

Ion Ratio Lower Upper

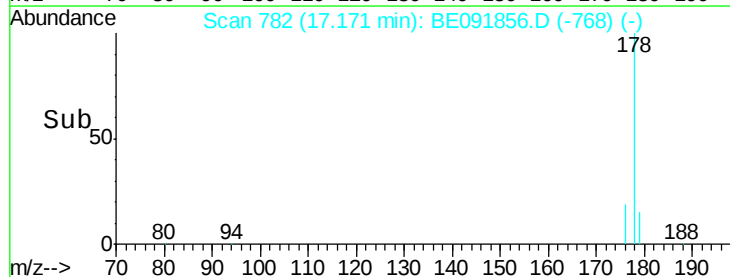
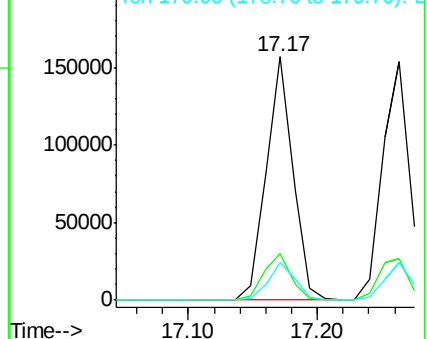
178 100

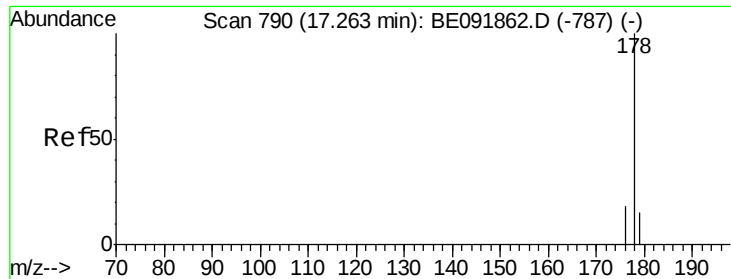
176 19.5 15.4 23.2

179 15.4 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: 5.19 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

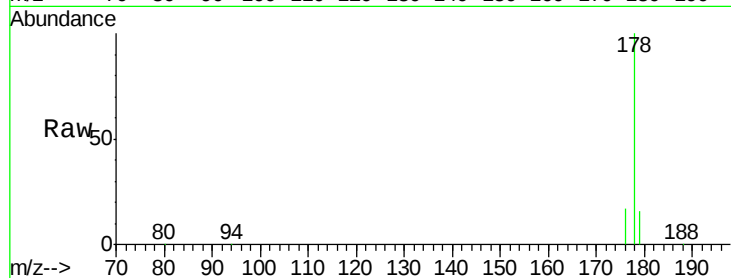
Tot Ion:178 Resp: 227809

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

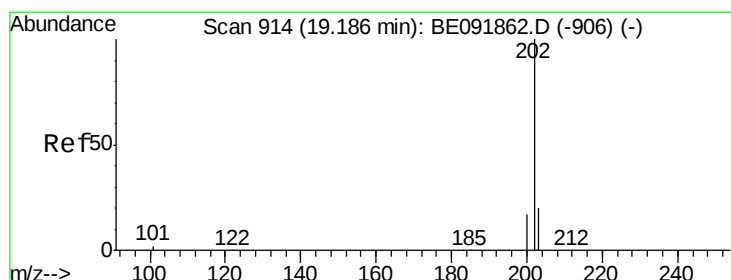
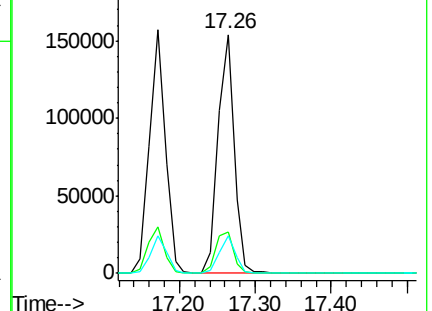
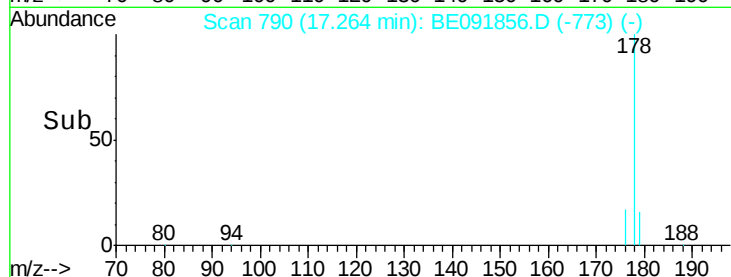
179 15.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 5.08 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

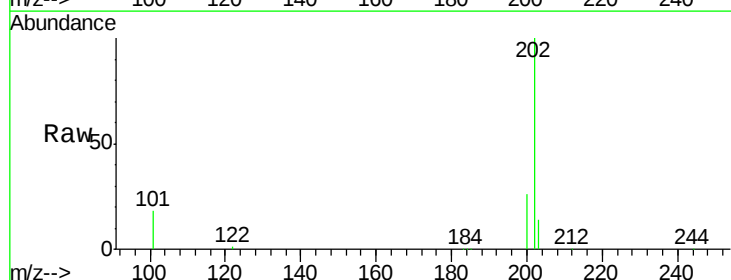
Tgt Ion:202 Resp: 269290

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

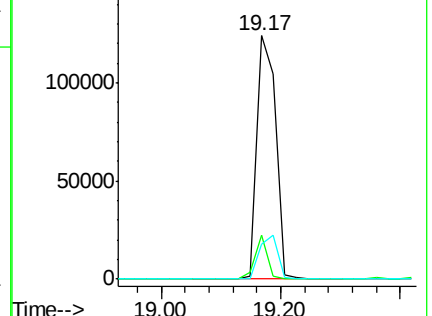
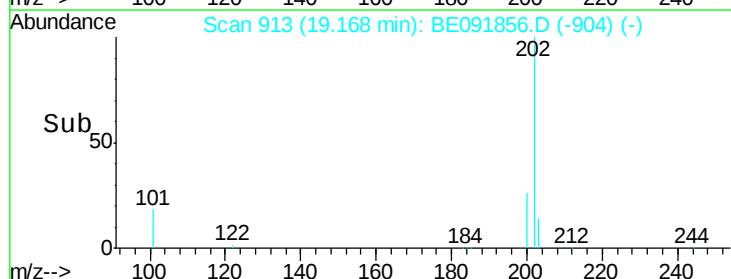
203 17.6 14.3 21.5

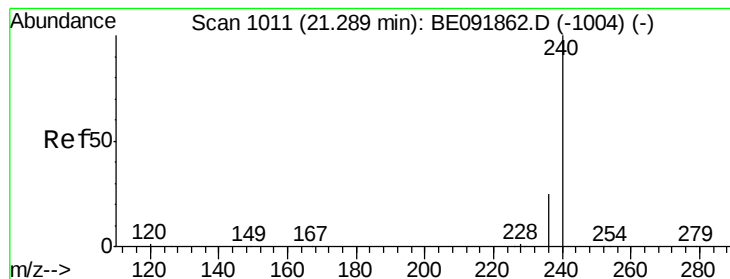


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampled :

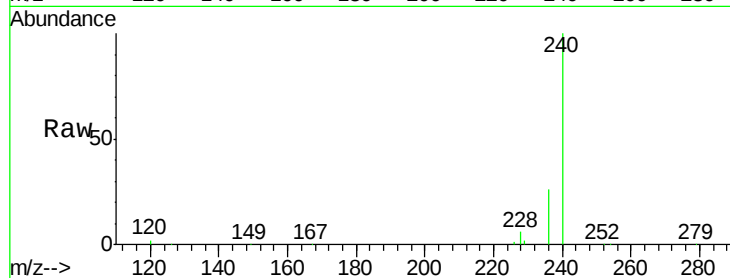
Tot Ion:240 Resp: 291181

Ion Ratio Lower Upper

240 100

120 2.4 1.2 1.8#

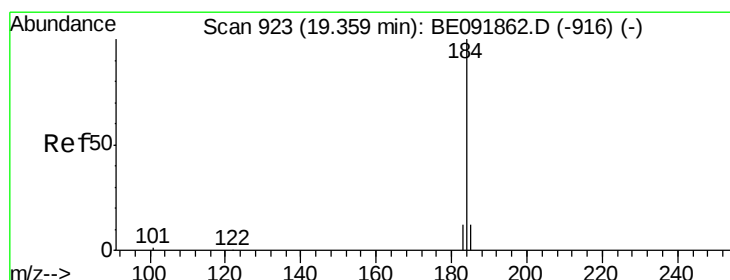
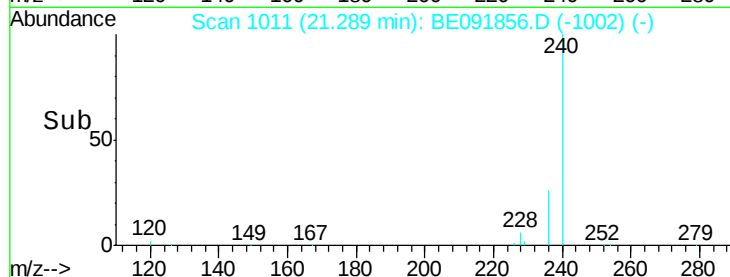
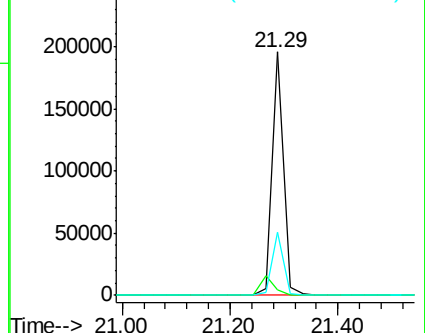
236 26.2 19.8 29.8



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: 5.90 ng

RT: 19.36 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

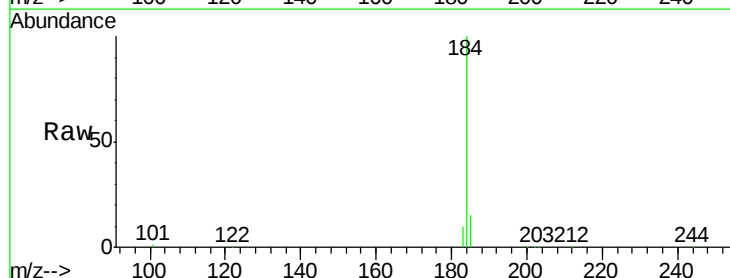
Tgt Ion:184 Resp: 135008

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.2

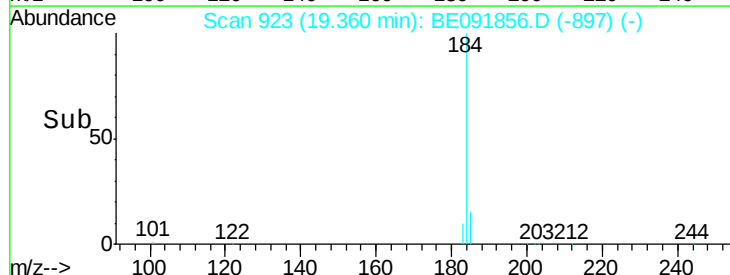
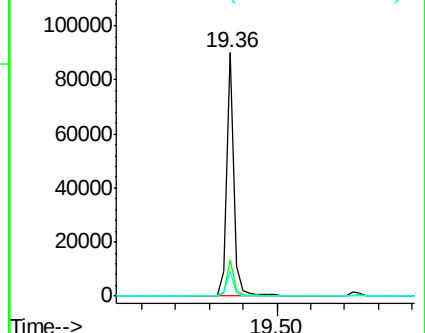
183 10.2 11.8 17.6#

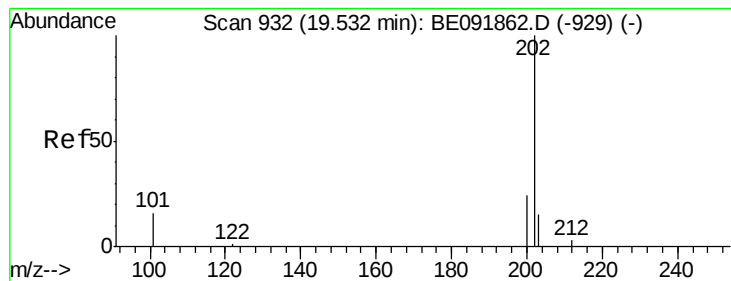


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 5.26 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

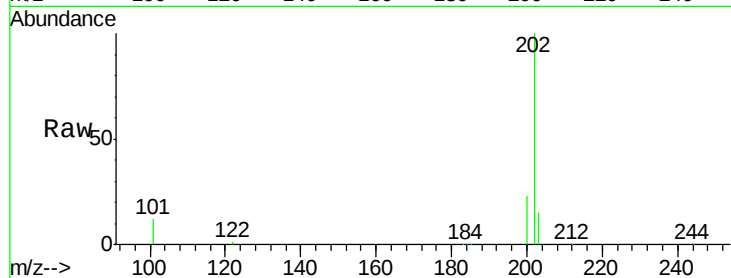
Tot Ion:202 Resp: 293212

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

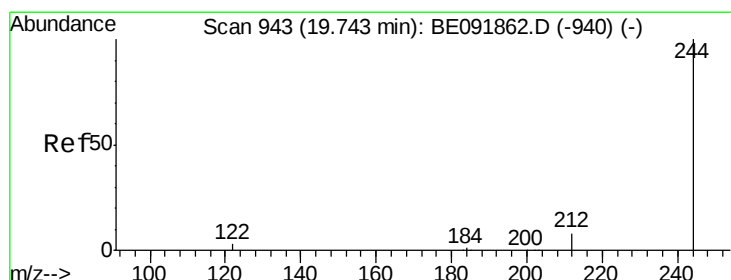
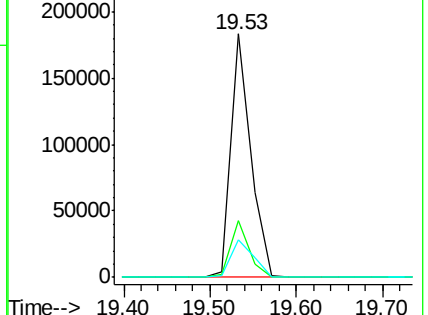
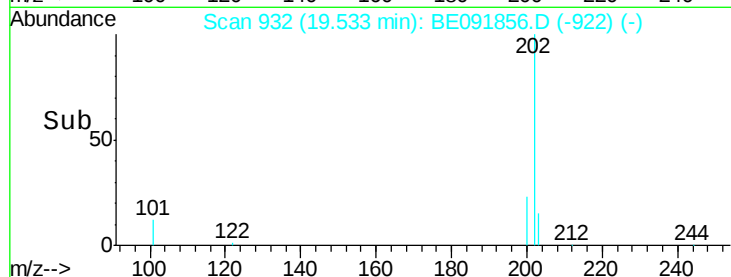
203 17.4 14.1 21.1



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: 5.06 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

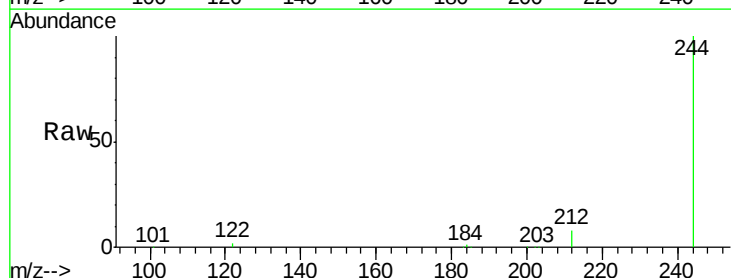
Tgt Ion:244 Resp: 202035

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

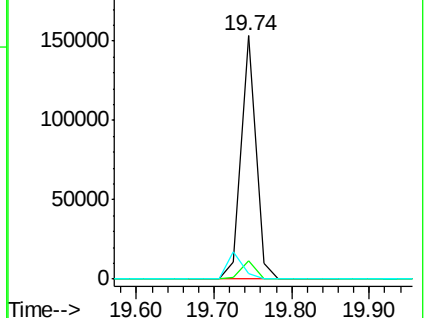
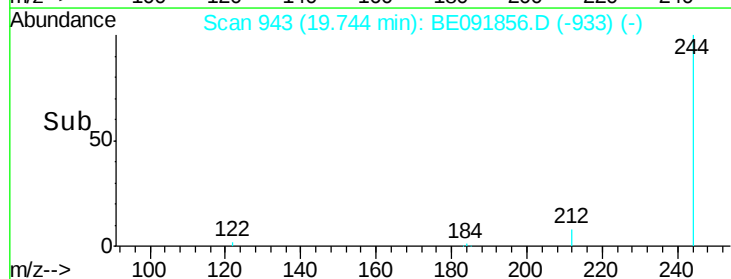
122 2.3 2.9 4.3#

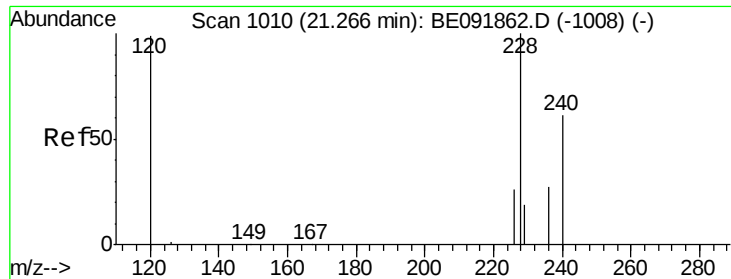


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

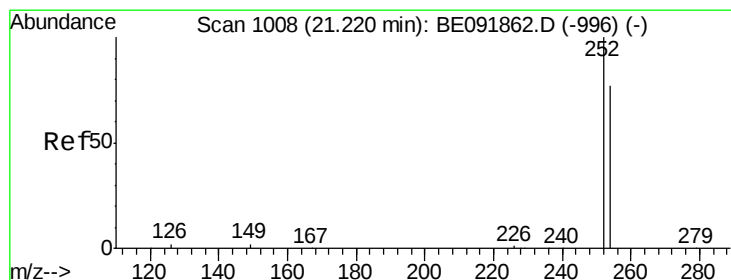
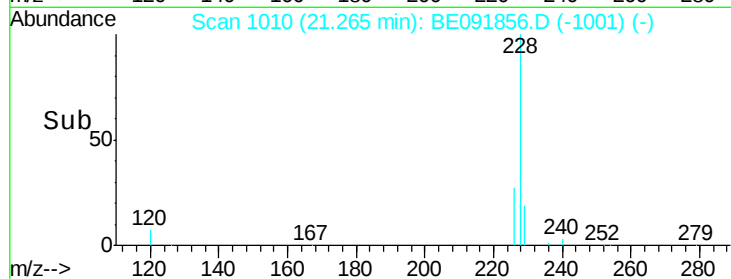
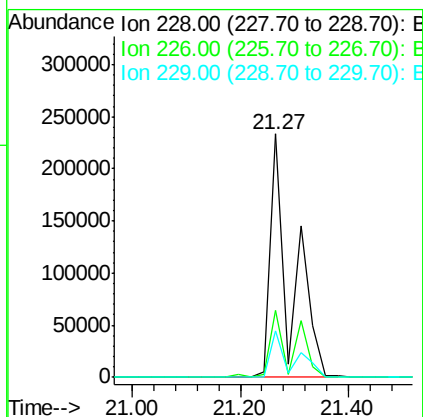
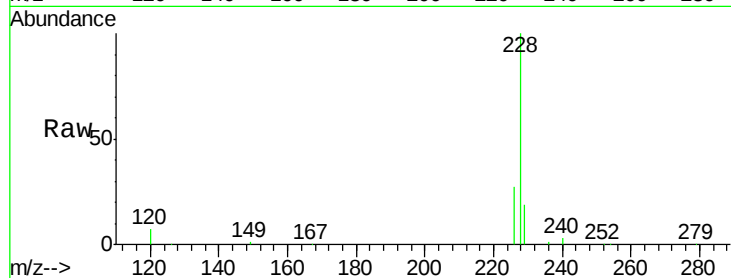




#35
Benzo(a)anthracene
Concen: 6.55 ng
RT: 21.27 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

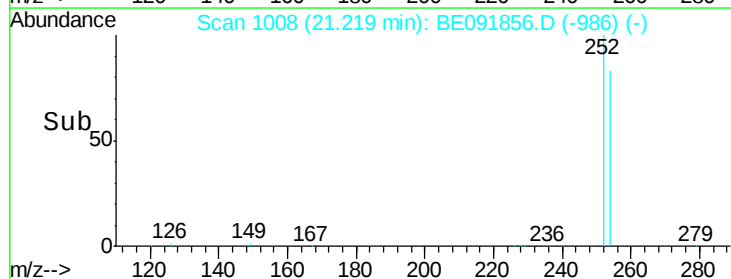
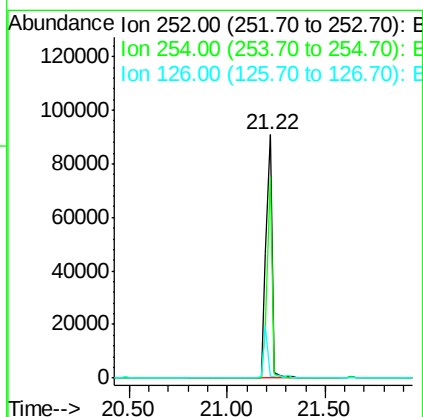
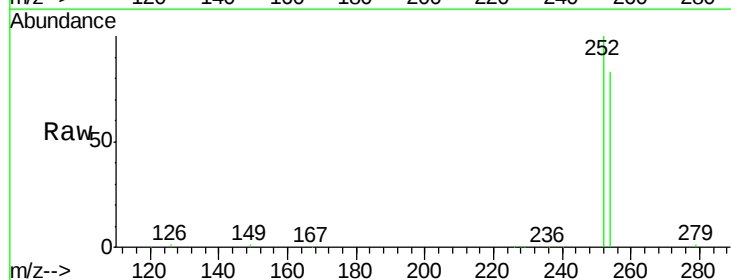
Instrument :
BNA_E
ClientSampleId :

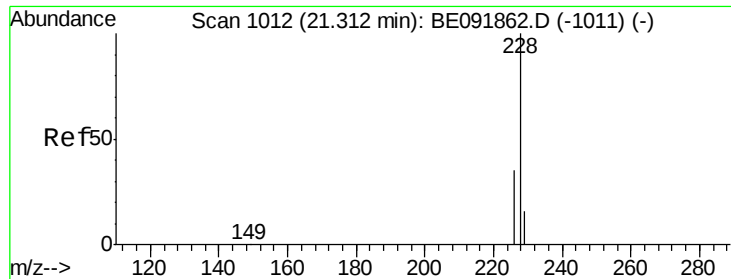
Tot Ion:228 Resp: 620697
Ion Ratio Lower Upper
228 100
226 27.3 21.0 31.4
229 19.3 15.8 23.8



#36
3,3'-Dichlorobenzidine
Concen: 5.21 ng
RT: 21.22 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:252 Resp: 197907
Ion Ratio Lower Upper
252 100
254 82.6 61.5 92.3
126 0.7 2.5 3.7#

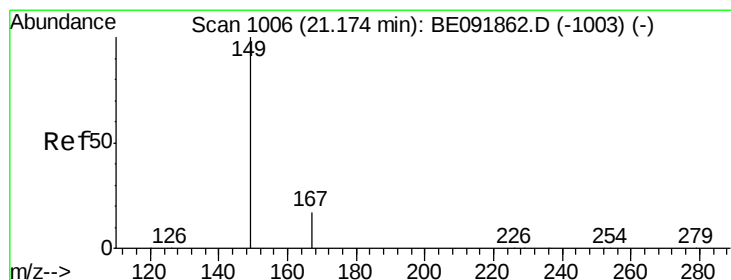
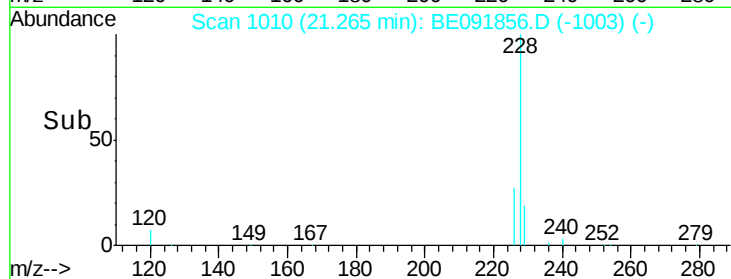
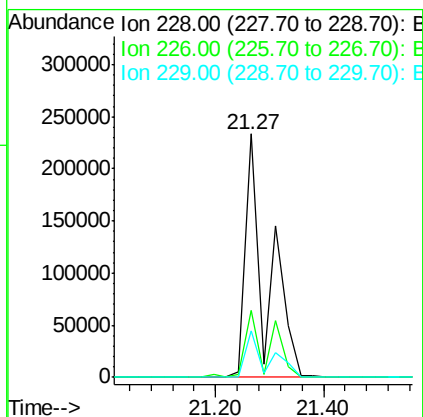
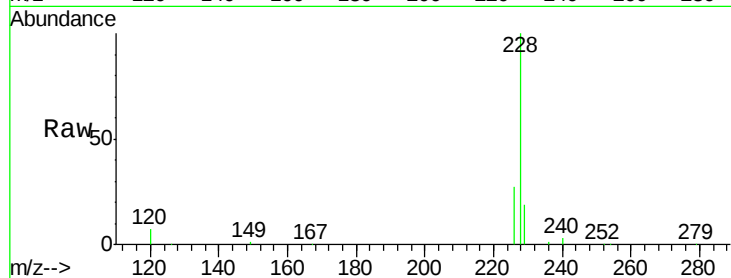




#37
Chrysene
Concen: 6.68 ng
RT: 21.27 min Scan# 1010
Delta R.T. -0.05 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

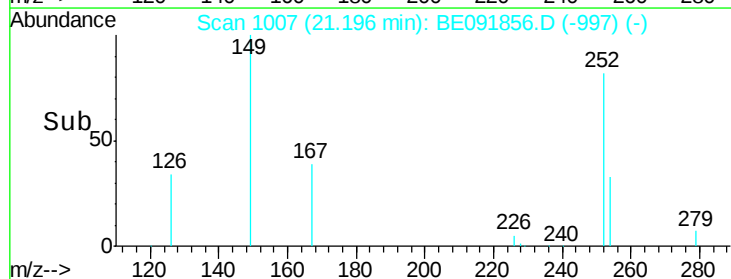
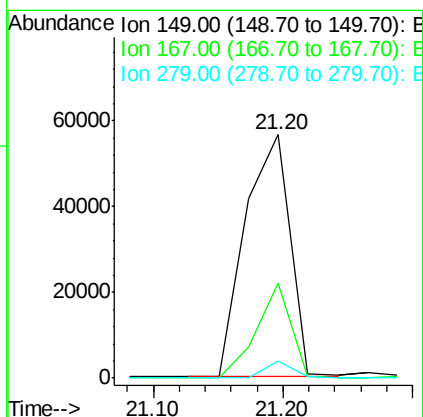
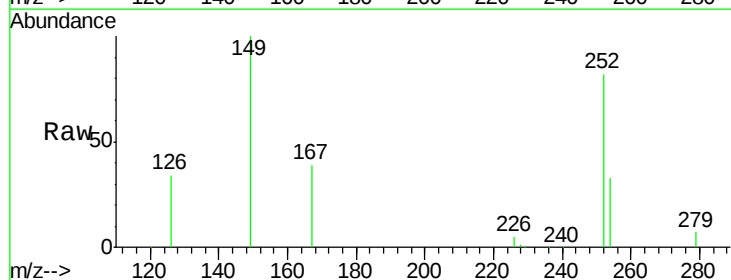
Instrument :
BNA_E
ClientSampleId :

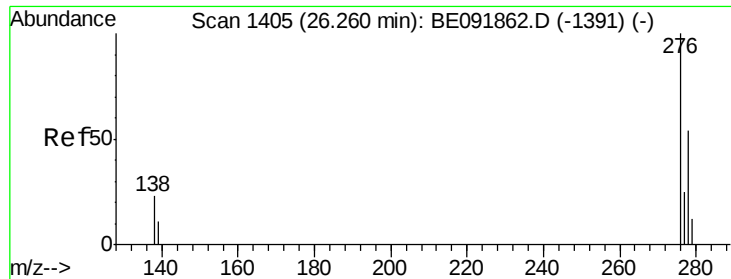
Tot Ion:228 Resp: 622321
Ion Ratio Lower Upper
228 100
226 27.3 27.0 40.6
229 19.3 13.8 20.8



#38
Bis(2-ethylhexyl)phthalate
Concen: 5.50 ng
RT: 21.20 min Scan# 1007
Delta R.T. 0.02 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:149 Resp: 136325
Ion Ratio Lower Upper
149 100
167 29.8 0.0 0.0#
279 4.5 0.0 0.0#





#39

Indeno(1,2,3-cd)pyrene

Concen: 5.00 ng

RT: 26.26 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

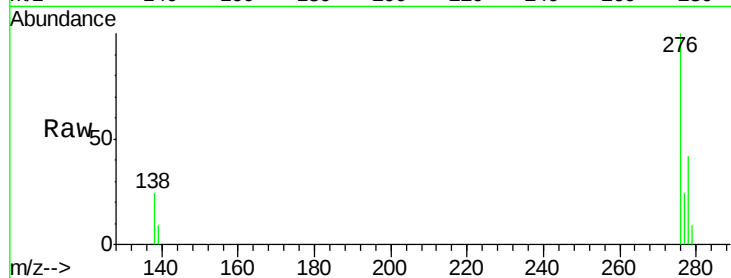
Tot Ion:276 Resp: 332455

Ion Ratio Lower Upper

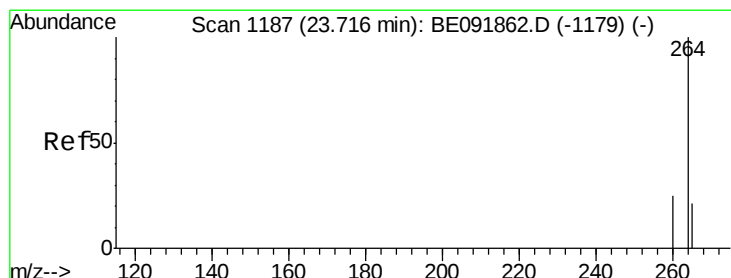
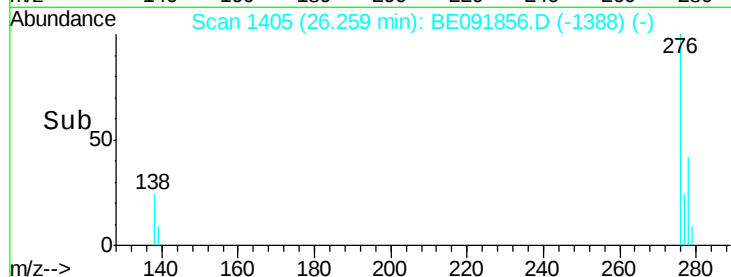
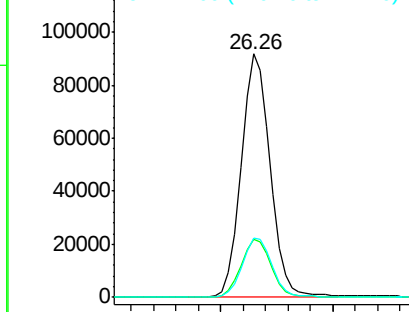
276 100

138 24.5 19.7 29.5

277 24.9 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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.73 min Scan# 1188

Delta R.T. 0.01 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

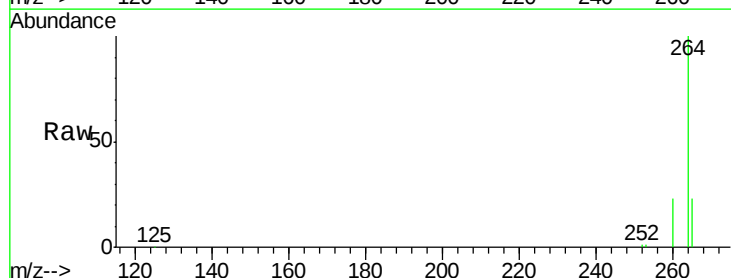
Tgt Ion:264 Resp: 255978

Ion Ratio Lower Upper

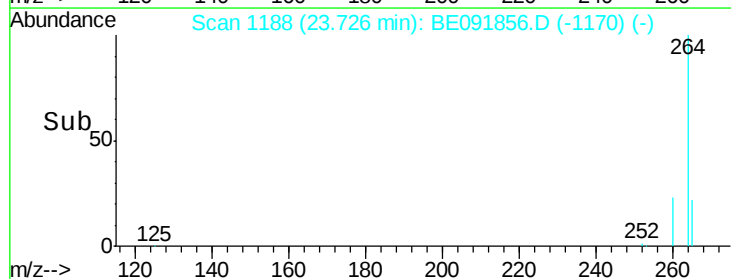
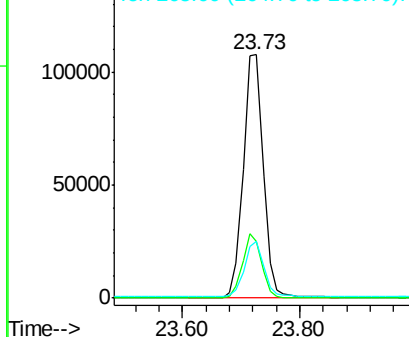
264 100

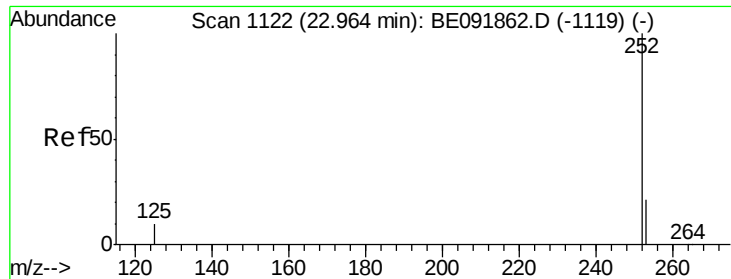
260 23.2 20.3 30.5

265 23.1 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

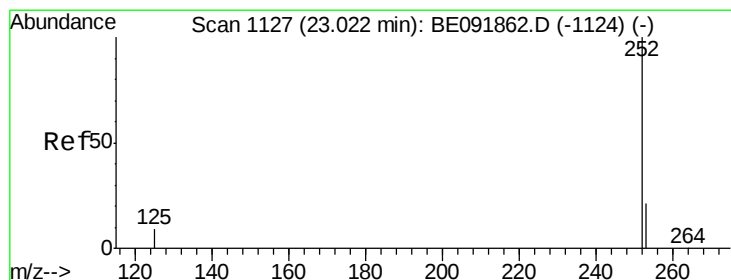
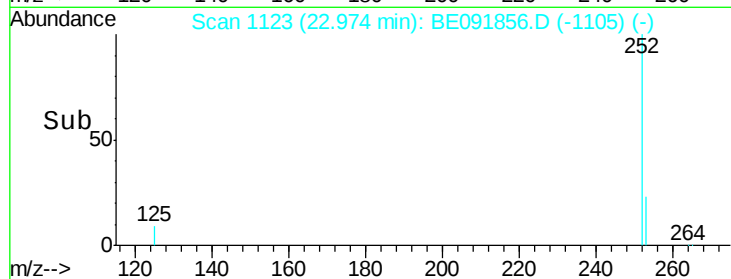
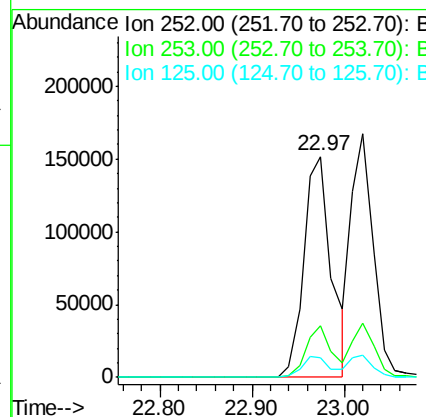
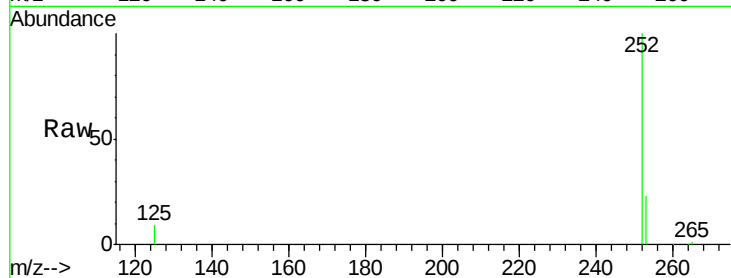




#41
Benzo(b)fluoranthene
Concen: 5.13 ng
RT: 22.97 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

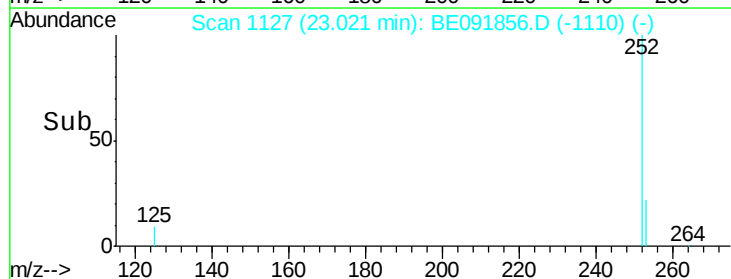
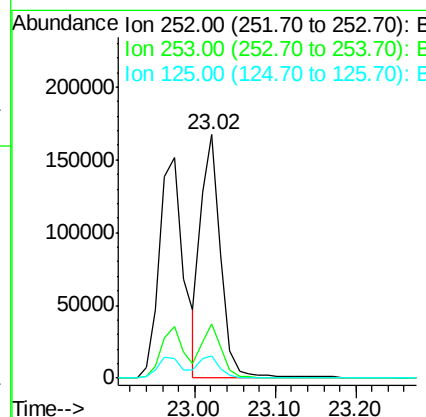
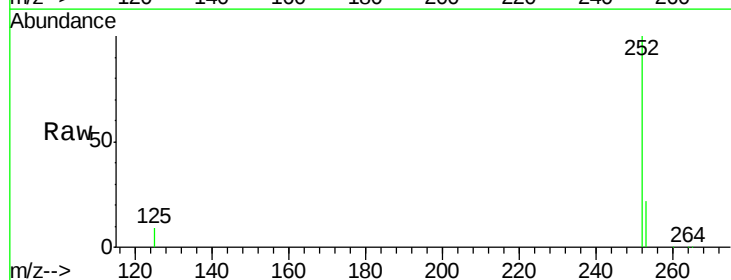
Instrument :
BNA_E
ClientSampleId :

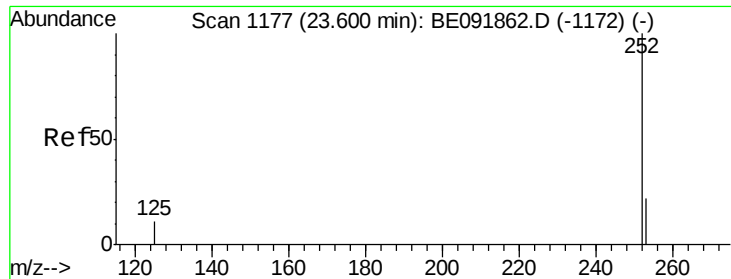
Tot Ion:252 Resp: 318409
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 8.9 9.4 14.2#



#42
Benzo(k)fluoranthene
Concen: 4.75 ng
RT: 23.02 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE091856.D
Acq: 25 May 2016 13:19

Tgt Ion:252 Resp: 283777
Ion Ratio Lower Upper
252 100
253 22.3 19.4 29.2
125 9.0 8.3 12.5





#43

Benzo(a)pyrene

Concen: 4.90 ng

RT: 23.61 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :

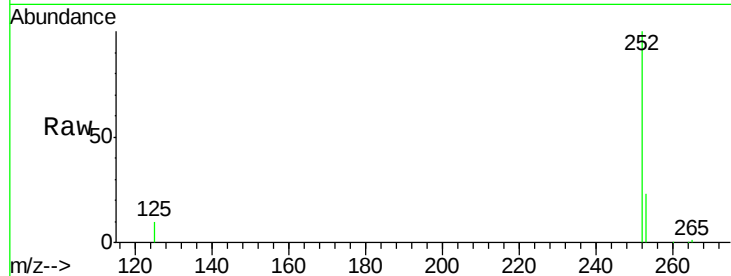
Tot Ion:252 Resp: 285647

Ion Ratio Lower Upper

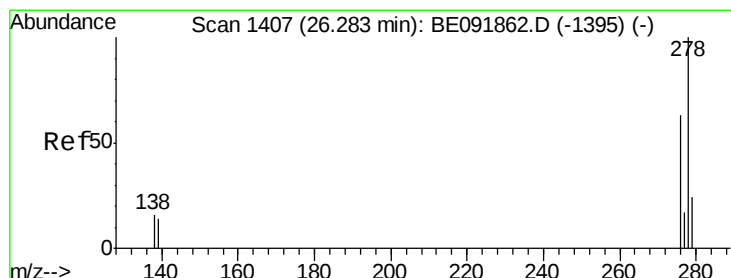
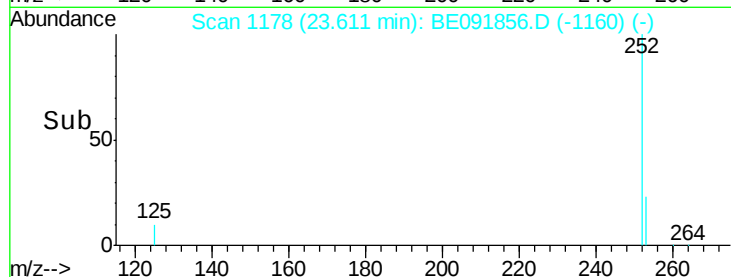
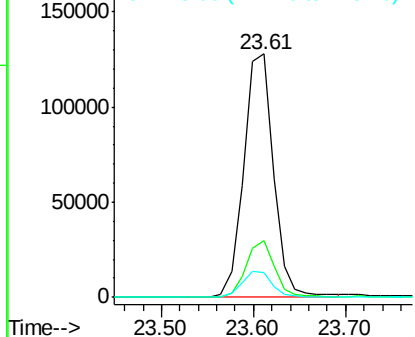
252 100

253 23.2 18.9 28.3

125 9.9 10.5 15.7#



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



#44

Dibenzo(a,h)anthracene

Concen: 4.96 ng

RT: 26.28 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE091856.D

Acq: 25 May 2016 13:19

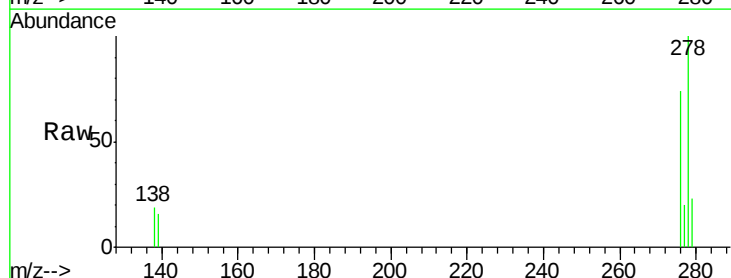
Tgt Ion:278 Resp: 276510

Ion Ratio Lower Upper

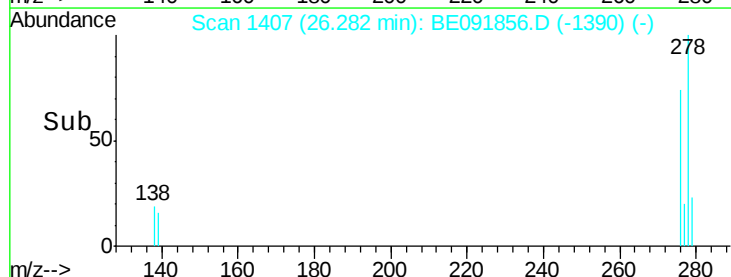
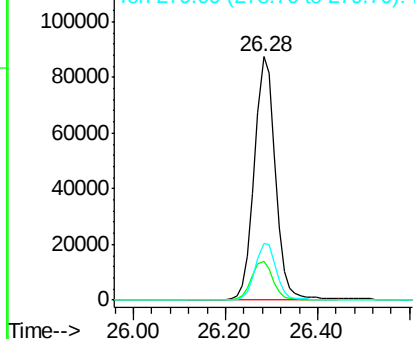
278 100

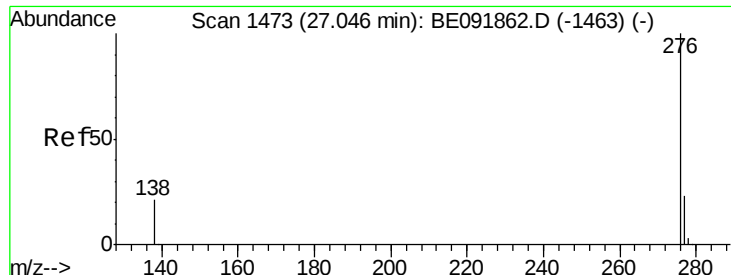
139 16.2 12.6 18.8

279 23.5 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 4.94 ng

RT: 27.05 min Scan# 1473

Delta R.T. -0.00 min

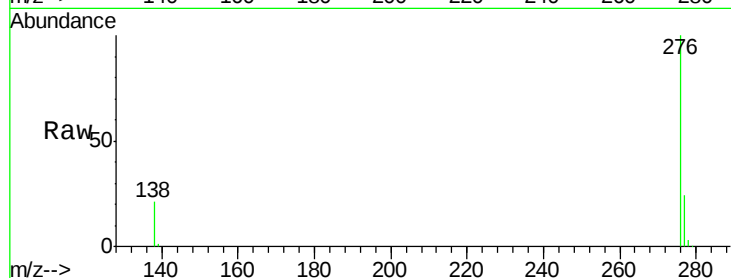
Lab File: BE091856.D

Acq: 25 May 2016 13:19

Instrument :

BNA_E

ClientSampleId :



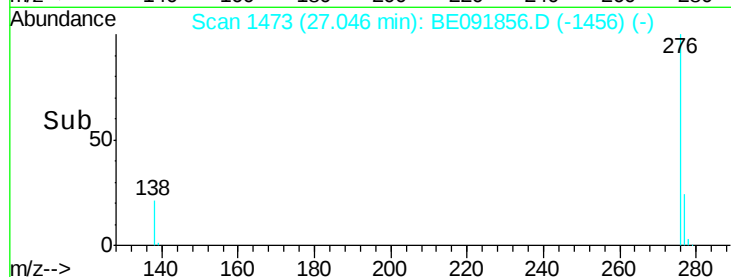
Tot Ion: 276 Resp: 277972

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 21.2 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

