

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
 Data File : BE091862.D
 Acq On : 25 May 2016 17:15
 Operator : UM/SJ
 Sample : SSTDICC0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 25 18:11:58 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	7.78	152	23785	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	109282	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	67161	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	212198	5.00	ng	0.00
31) Chrysene-d12	21.29	240	270598	5.00	ng	0.00
40) Perylene-d12	23.72	264	238086	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2509	0.38	ng	0.00
5) Phenol-d6	6.95	99	3144	0.36	ng	0.00
9) Nitrobenzene-d5	8.94	82	3253	0.38	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	1060	0.38	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	7691	0.42	ng	0.00
34) Terphenyl-d14	19.74	244	15415	0.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	1303	0.42	ng	98
3) n-Nitrosodimethylamine	3.63	42	1538	0.37	ng	99
6) bis(2-Chloroethyl)ether	7.21	93	2735	0.38	ng	100
7) n-Nitroso-di-n-propylamine	8.56	70	2376	0.36	ng	# 100
10) Nitrobenzene	8.96	77	3025	0.37	ng	# 100
11) bis(2-Chloroethoxy)methane	9.98	93	4770	0.50	ng	# 69
12) Naphthalene	10.61	128	8913	0.41	ng	100
13) Hexachlorobutadiene	10.90	225	1412	0.42	ng	100
14) 2-Methylnaphthalene	12.22	142	5839	0.39	ng	100
18) Acenaphthylene	14.10	152	12016	0.40	ng	100
19) 2,6-Dinitrotoluene	13.98	165	1530	0.33	ng	100
20) Acenaphthene	14.44	154	6775	0.41	ng	100
21) 2,4-Dinitrotoluene	14.76	165	1584	0.30	ng	# 100
22) Fluorene	15.44	166	8840	0.41	ng	100
23) 4-Chlorophenyl-phenylether	15.44	204	4513	0.43	ng	100
25) 4-Bromophenyl-phenylether	16.31	248	2829	0.41	ng	100
26) Hexachlorobenzene	16.43	284	2787	0.42	ng	100
27) Pentachlorophenol	16.80	266	861	0.29	ng	100
28) Phenanthrene	17.17	178	17096	0.42	ng	100
29) Anthracene	17.26	178	15503	0.40	ng	100
30) Fluoranthene	19.19	202	19758	0.42	ng	100
32) Benzidine	19.36	184	6957	0.33	ng	100
33) Pyrene	19.53	202	21119	0.41	ng	100
35) Benzo(a)anthracene	21.27	228	52377	0.59	ng	100
36) 3,3'-Dichlorobenzidine	21.22	252	14357	0.41	ng	100
37) Chrysene	21.27	228	52566	0.61	ng	# 89
38) Bis(2-ethylhexyl)phthalate	21.17	149	8930	0.39	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	25254	0.41	ng	100
41) Benzo(b)fluoranthene	22.96	252	22513	0.39	ng	100
42) Benzo(k)fluoranthene	23.02	252	23959	0.43	ng	100
43) Benzo(a)pyrene	23.60	252	21777	0.40	ng	100
44) Dibenzo(a,h)anthracene	26.28	278	21011	0.41	ng	100
45) Benzo(a,h,i)perylene	27.05	276	21365	0.41	ng	100

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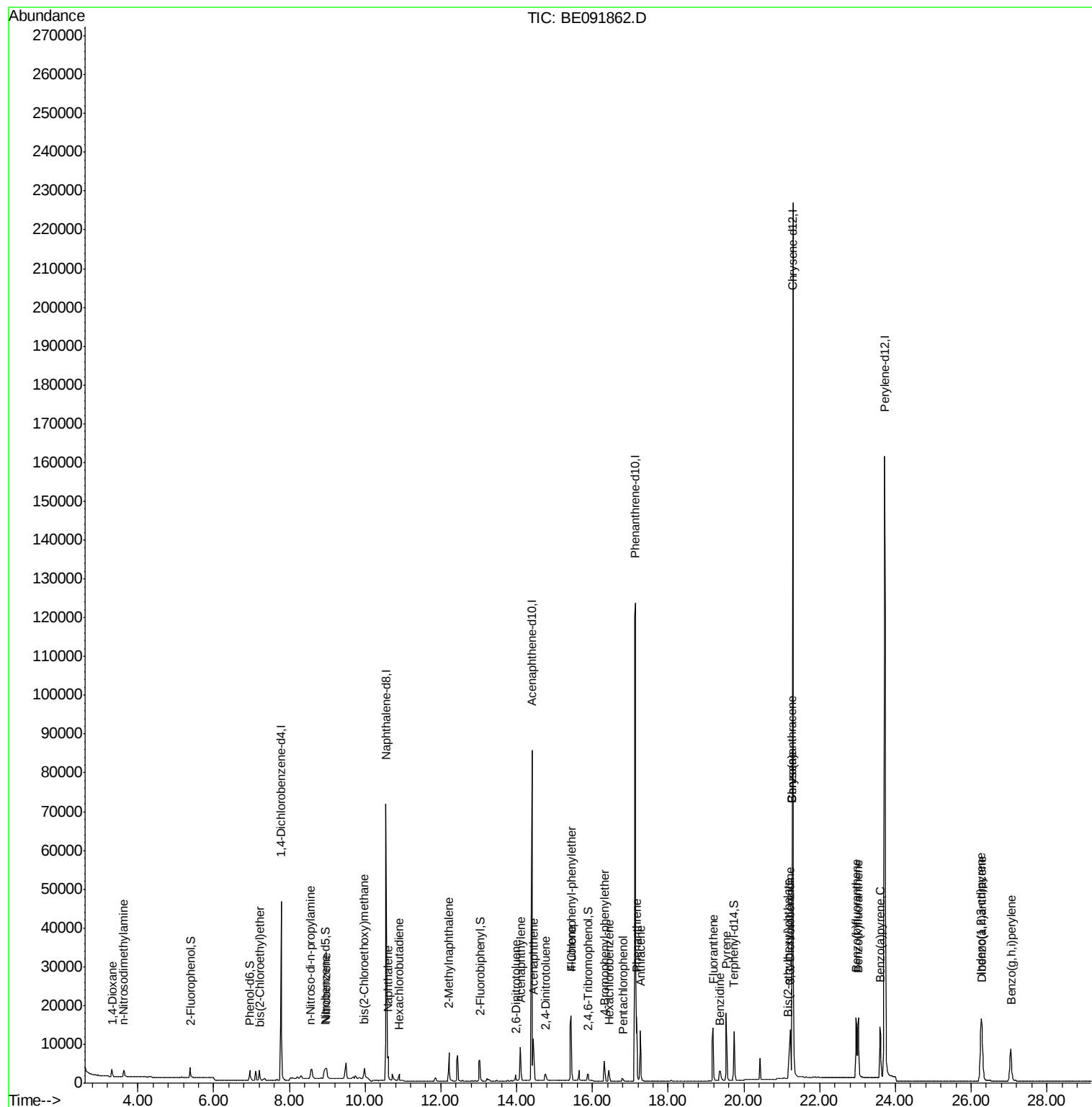
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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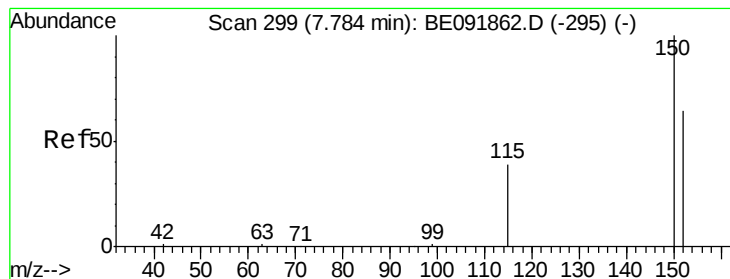
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

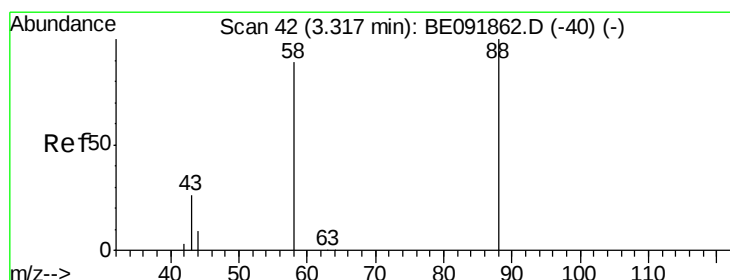
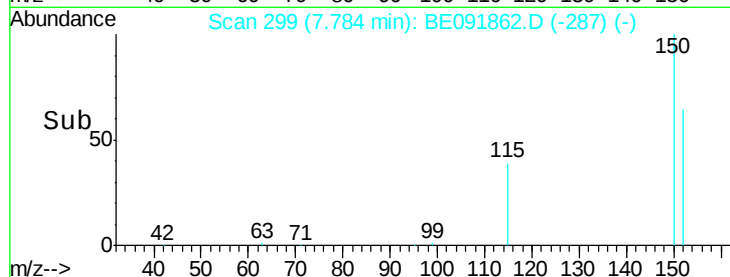
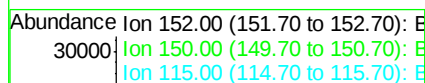
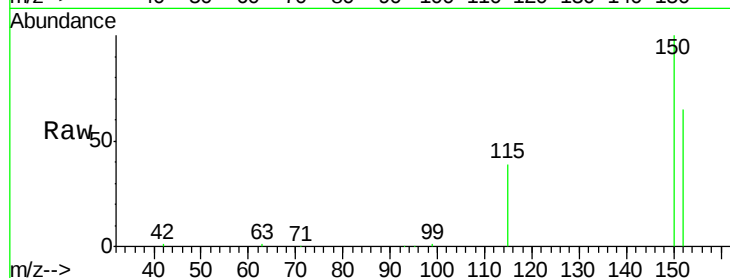
Tot Ion:152 Resp: 23785

Ion Ratio Lower Upper

152 100

150 154.9 123.9 185.9

115 60.4 48.3 72.5



#2

1,4-Dioxane

Concen: 0.42 ng

RT: 3.32 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

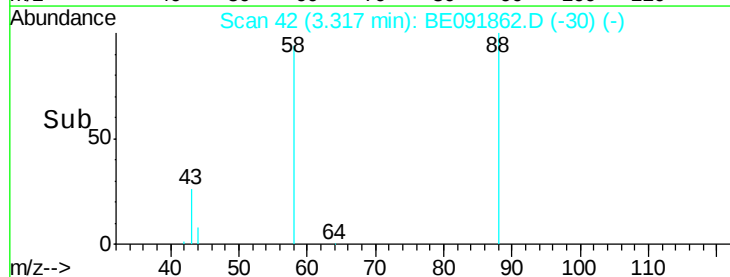
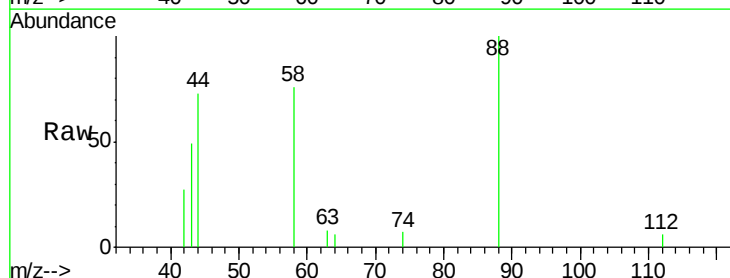
Tgt Ion: 88 Resp: 1303

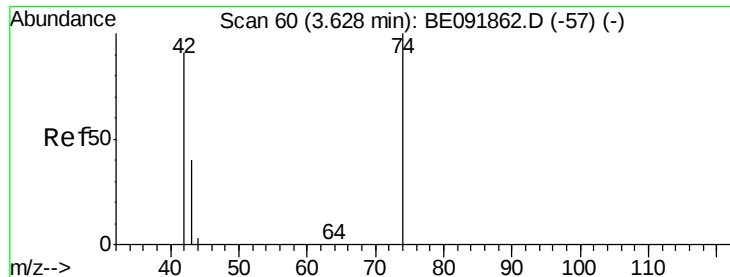
Ion Ratio Lower Upper

88 100

58 76.4 63.0 94.4

43 35.4 29.1 43.7



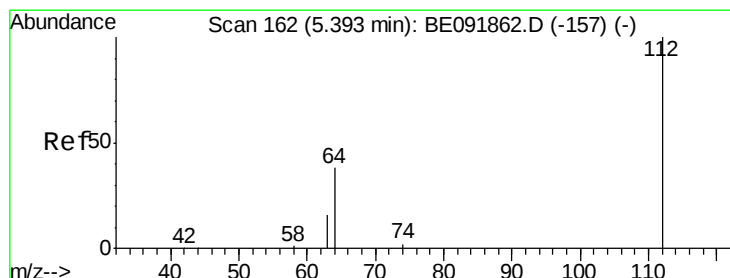
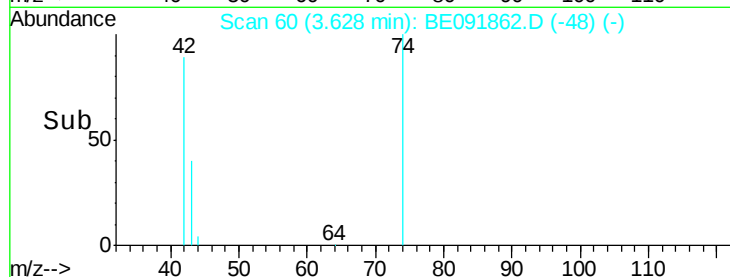
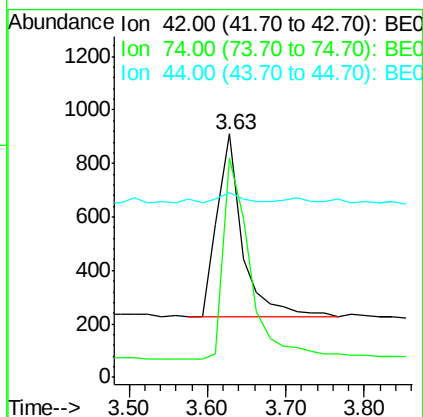
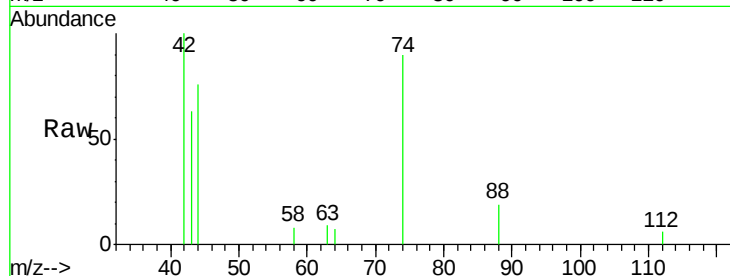


#3

n-Nitrosodimethylamine
 Concen: 0.37 ng
 RT: 3.63 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: BE091862.D
 Acq: 25 May 2016 17:15

Instrument :
 BNA_E
 ClientSampleId :

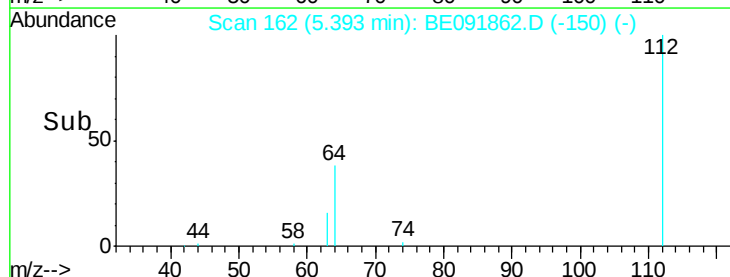
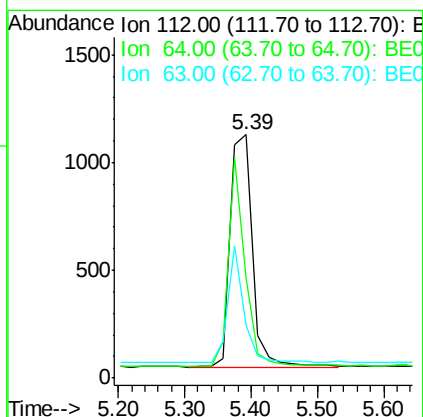
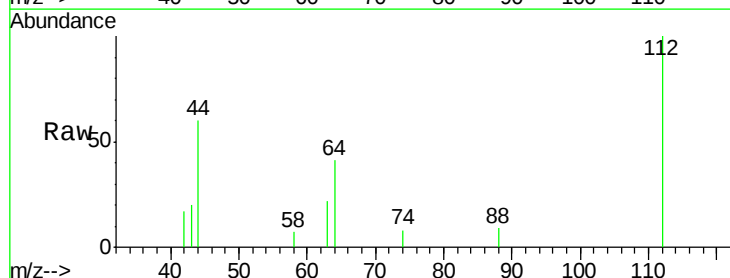
Tot Ion: 42 Resp: 1538
 Ion Ratio Lower Upper
 42 100
 74 115.9 93.4 140.0
 44 6.1 5.0 7.6

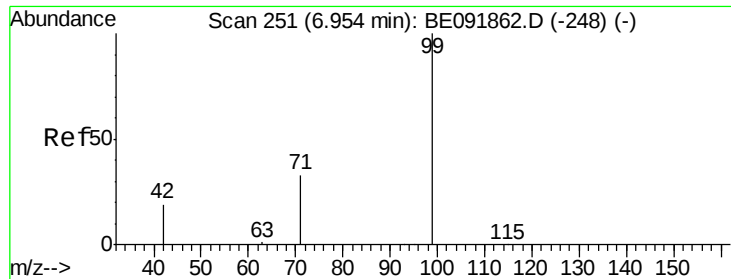


#4

2-Fluorophenol
 Concen: 0.38 ng
 RT: 5.39 min Scan# 162
 Delta R.T. 0.00 min
 Lab File: BE091862.D
 Acq: 25 May 2016 17:15

Tgt Ion: 112 Resp: 2509
 Ion Ratio Lower Upper
 112 100
 64 66.9 53.7 80.5
 63 36.7 29.5 44.3





#5

Phenol-d6

Concen: 0.36 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

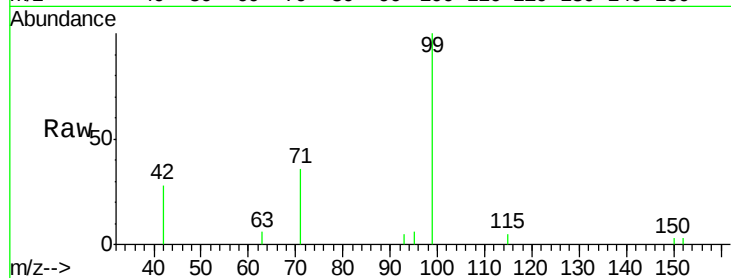
Tot Ion: 99 Resp: 3144

Ion Ratio Lower Upper

99 100

42 24.5 19.6 29.4

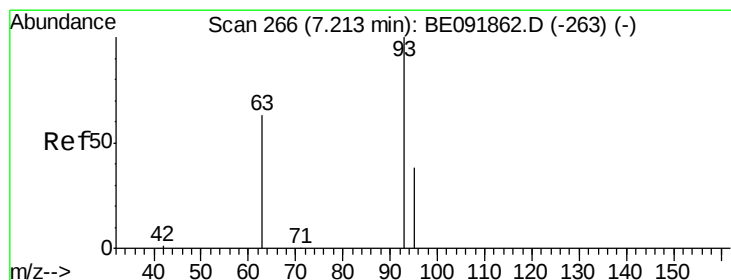
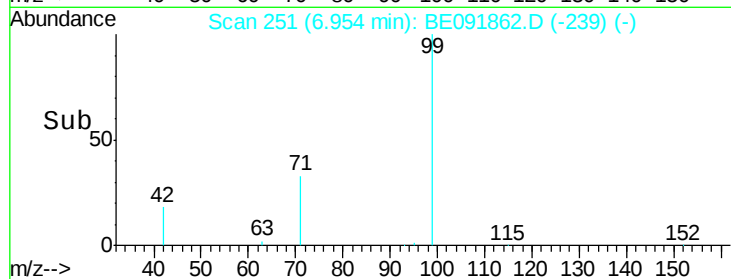
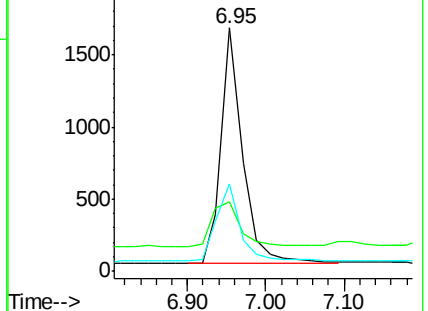
71 35.1 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.38 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

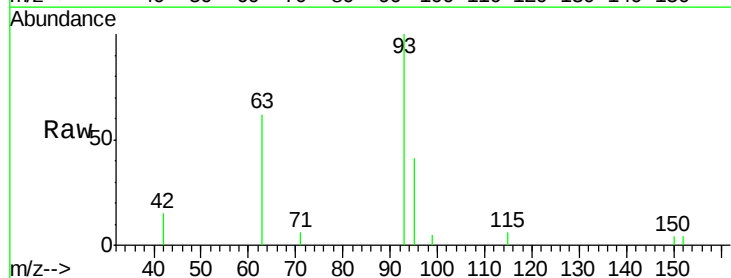
Tgt Ion: 93 Resp: 2735

Ion Ratio Lower Upper

93 100

63 82.7 66.2 99.4

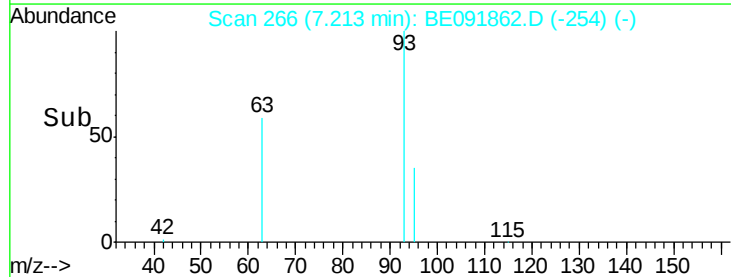
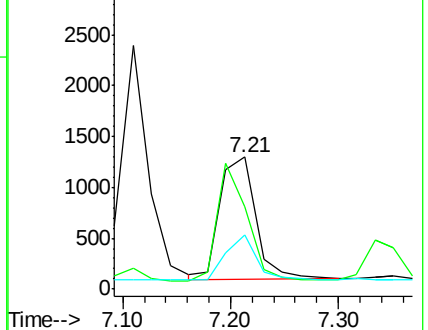
95 31.8 25.5 38.3

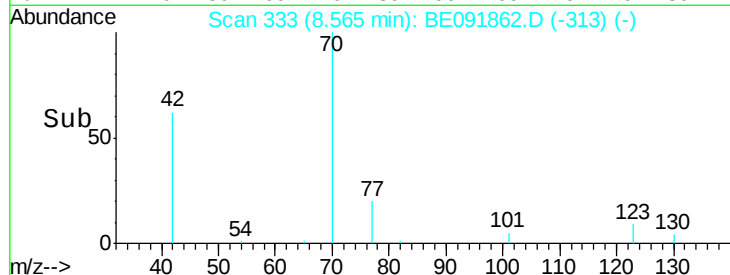
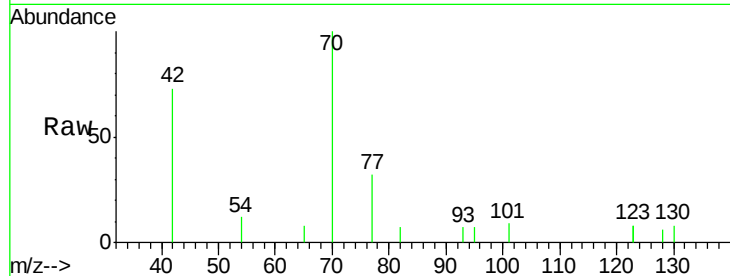
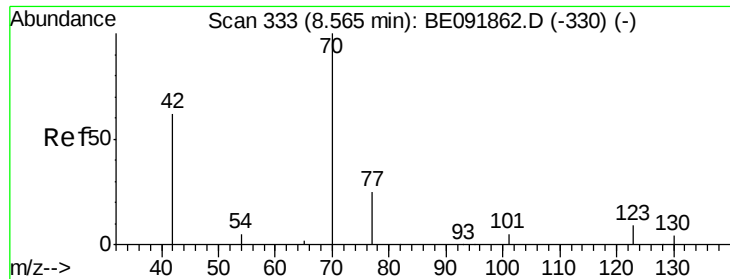


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.36 ng

RT: 8.56 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 2376

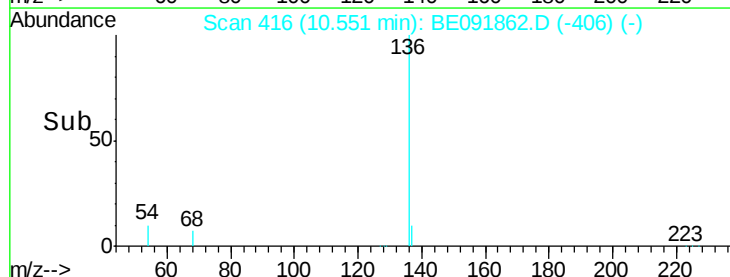
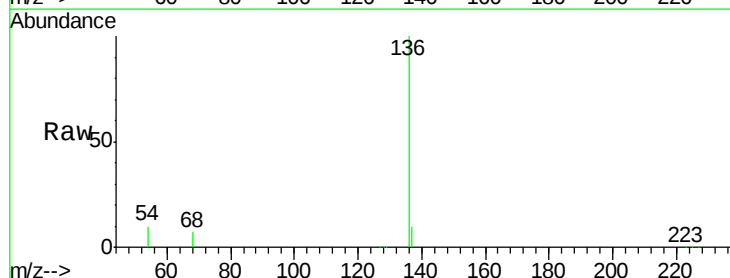
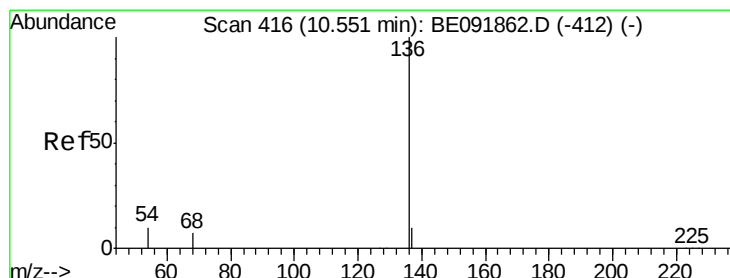
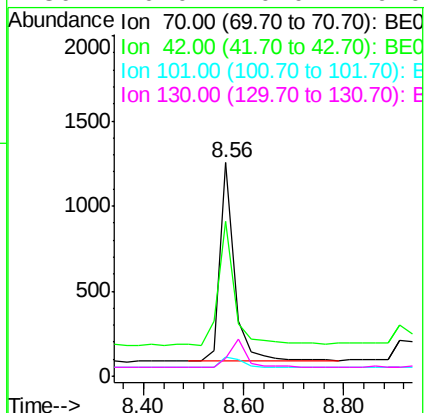
Ion Ratio Lower Upper

70 100

42 73.0 58.4 87.6

101 8.0 6.4 9.6

130 0.0 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: BE091862.D

Acq: 25 May 2016 17:15

Tgt Ion: 136 Resp: 109282

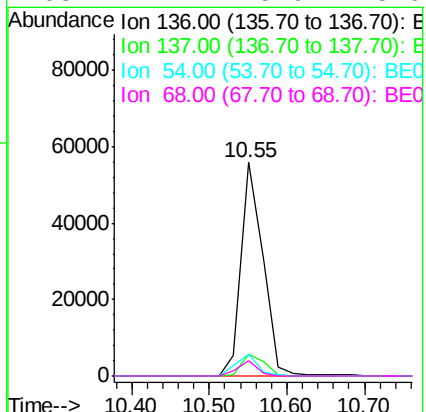
Ion Ratio Lower Upper

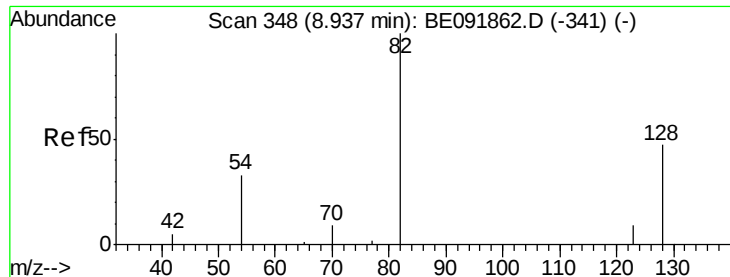
136 100

137 10.4 8.3 12.5

54 10.3 8.2 12.4

68 7.4 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.38 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

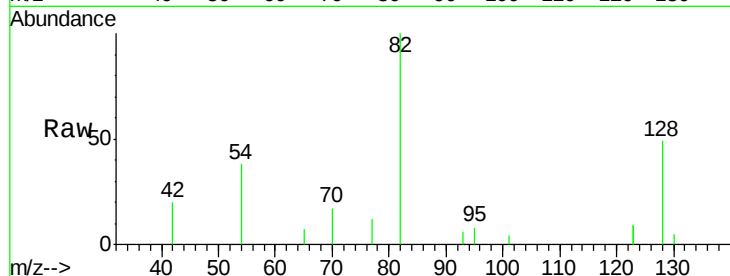
Tot Ion: 82 Resp: 3253

Ion Ratio Lower Upper

82 100

128 49.4 39.5 59.3

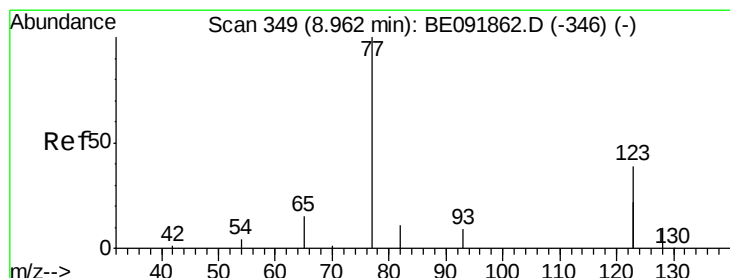
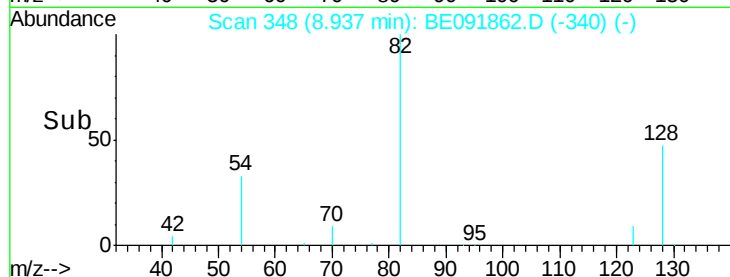
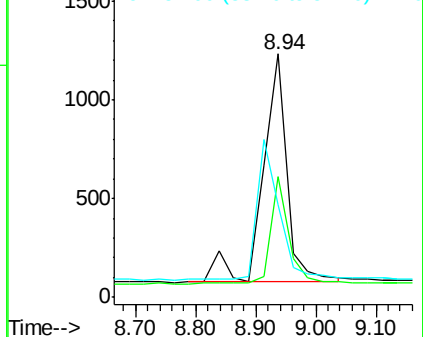
54 37.9 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.37 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

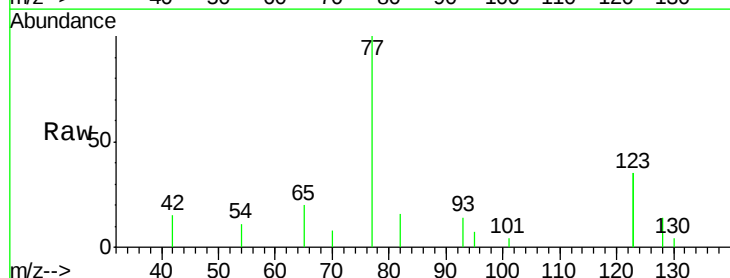
Tgt Ion: 77 Resp: 3025

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

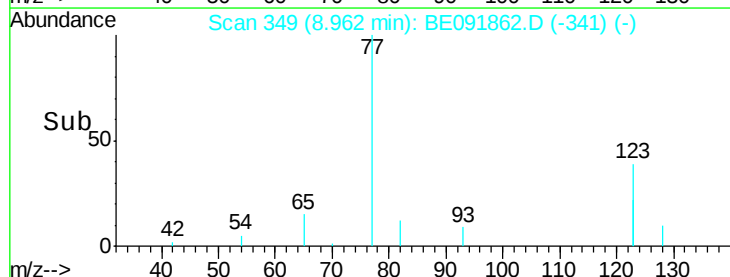
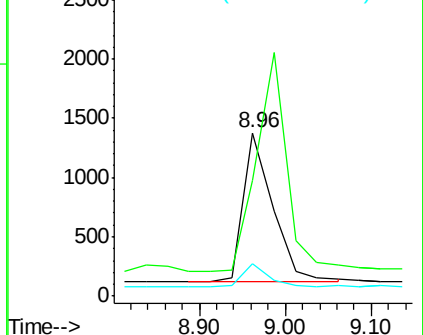
65 13.9 11.1 16.7

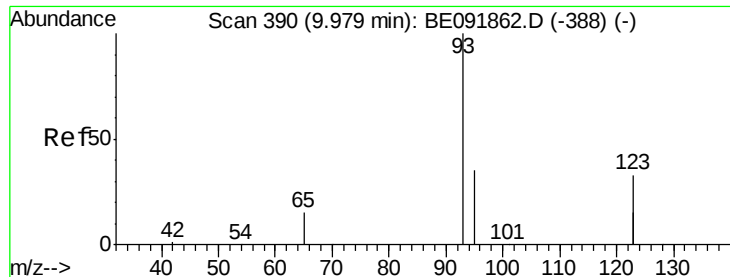


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

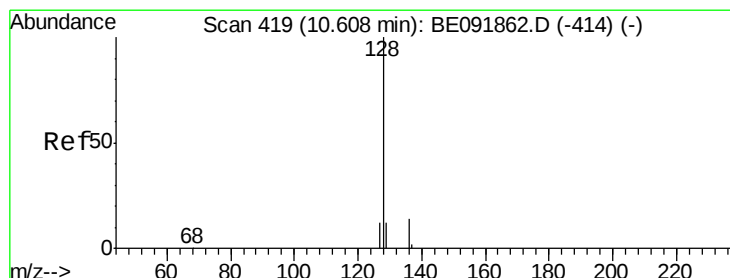
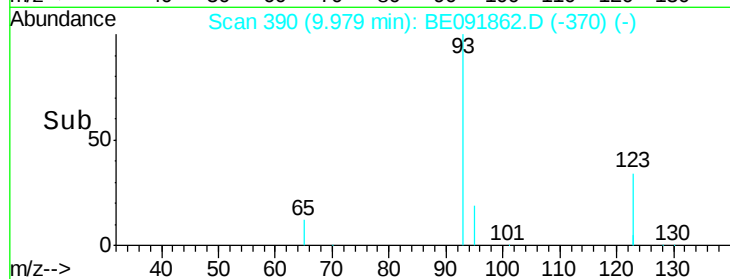
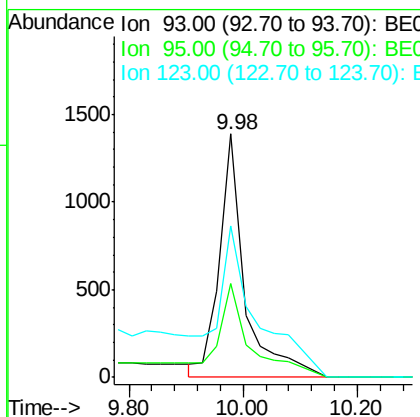
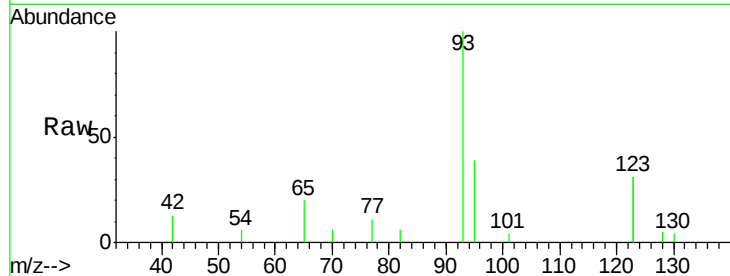




#11
bis(2-Chloroethoxy)methane
Concen: 0.50 ng
RT: 9.98 min Scan# 390
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

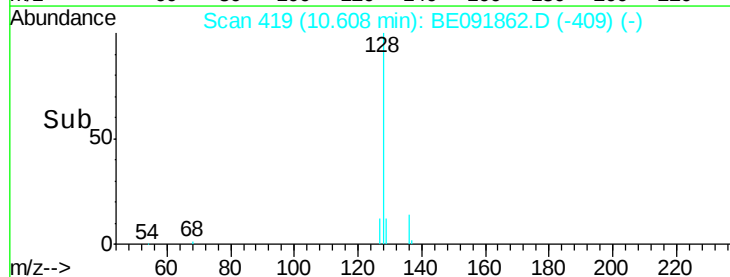
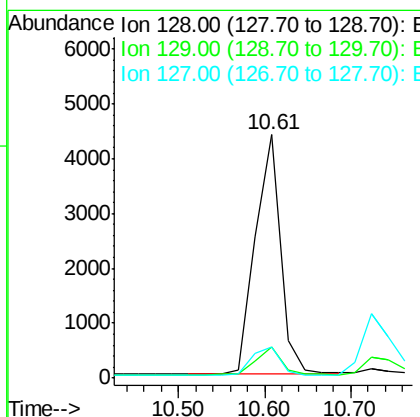
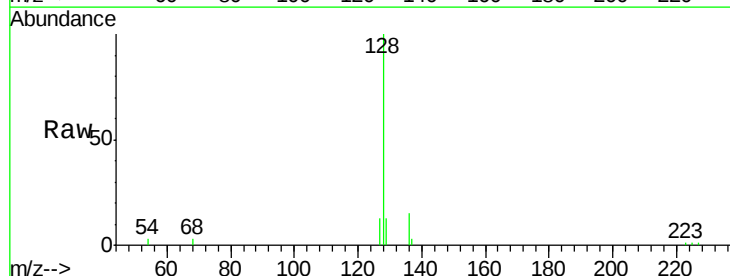
Instrument :
BNA_E
ClientSampleId :

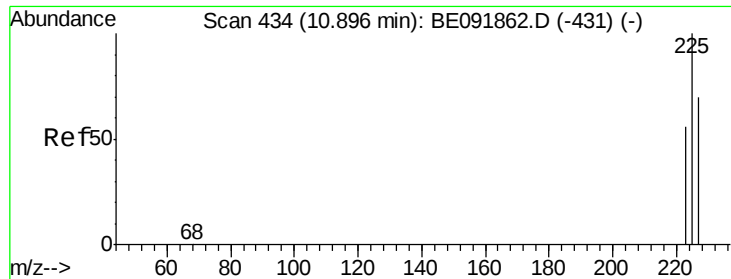
Tot Ion: 93 Resp: 4770
Ion Ratio Lower Upper
93 100
95 49.8 57.6 86.4#
123 86.6 100.2 150.4#



#12
Naphthalene
Concen: 0.41 ng
RT: 10.61 min Scan# 419
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion: 128 Resp: 8913
Ion Ratio Lower Upper
128 100
129 13.0 10.4 15.6
127 12.7 10.2 15.2

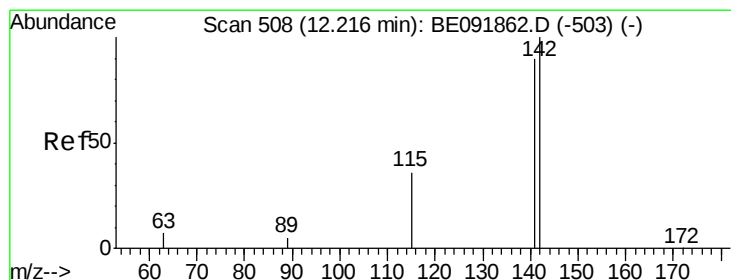
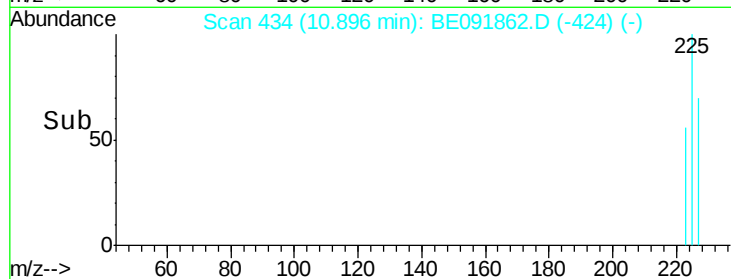
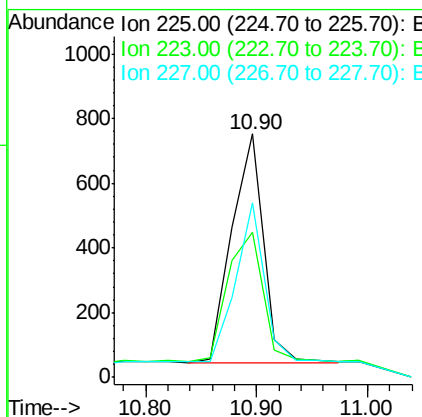
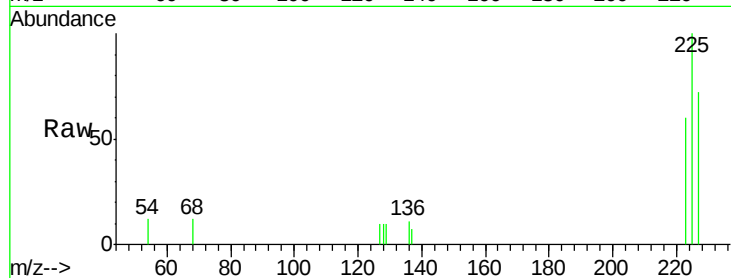




#13
Hexachlorobutadiene
Concen: 0.42 ng
RT: 10.90 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

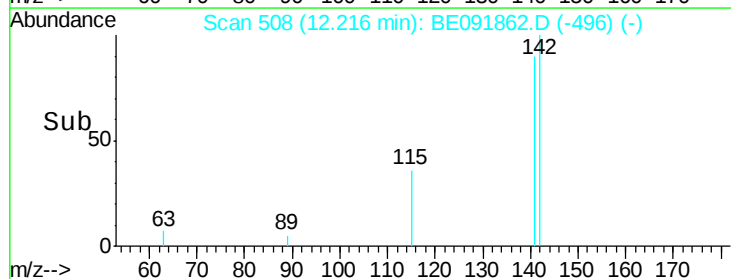
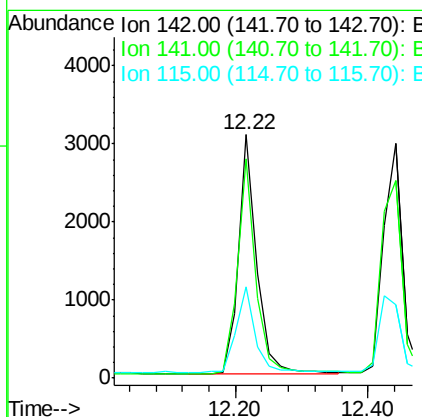
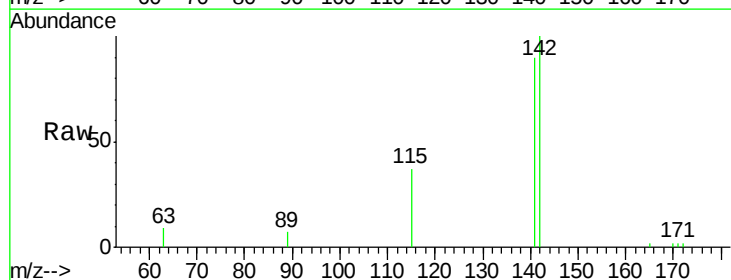
Instrument :
BNA_E
ClientSampleId :

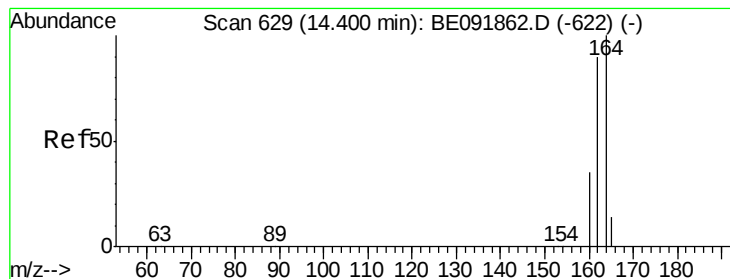
Tot Ion:225 Resp: 1412
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 63.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion:142 Resp: 5839
Ion Ratio Lower Upper
142 100
141 89.9 71.9 107.9
115 37.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 629

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

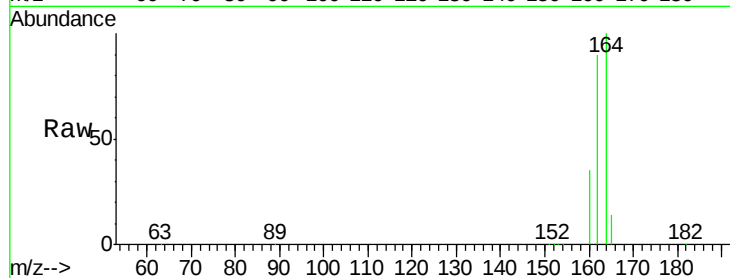
Tot Ion:164 Resp: 67161

Ion Ratio Lower Upper

164 100

162 89.8 71.8 107.8

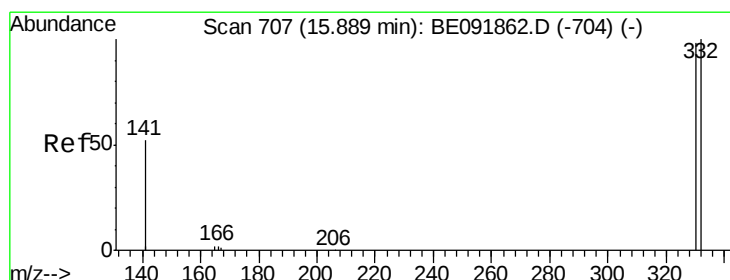
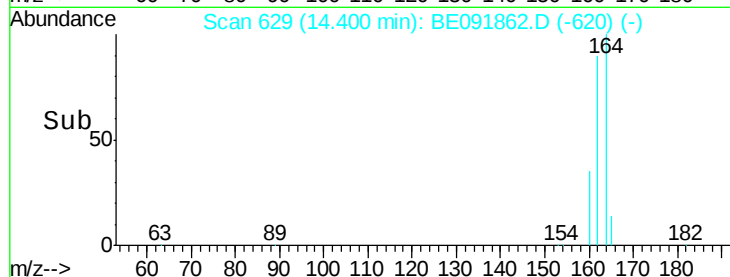
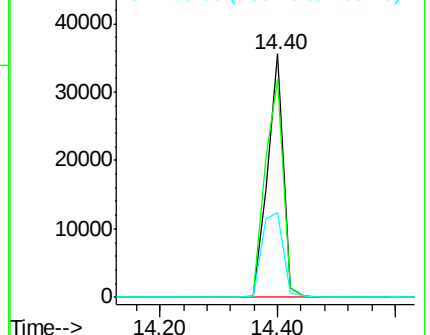
160 35.0 28.0 42.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.38 ng

RT: 15.89 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

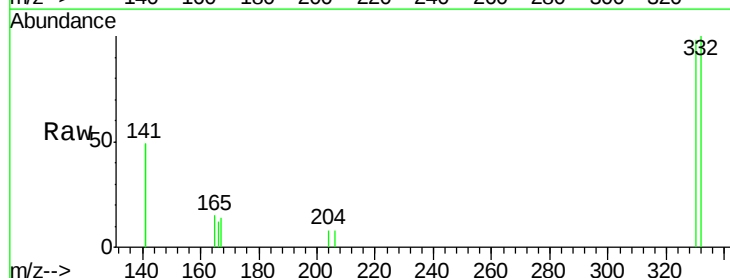
Tgt Ion:330 Resp: 1060

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

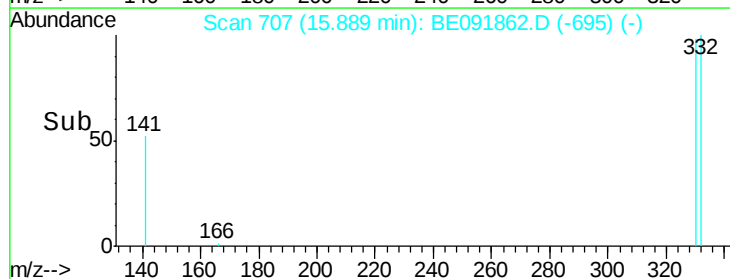
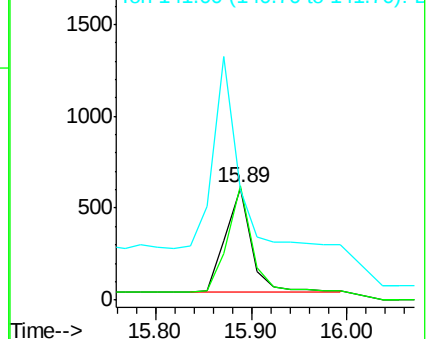
141 172.0 138.4 207.6

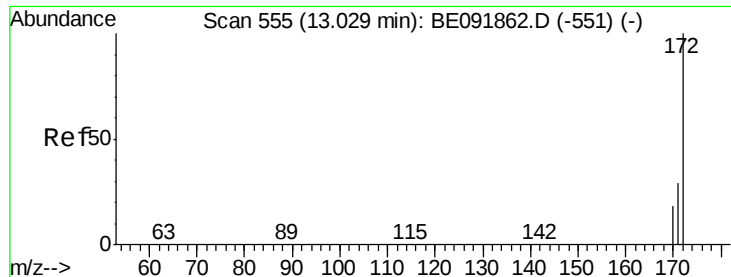


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

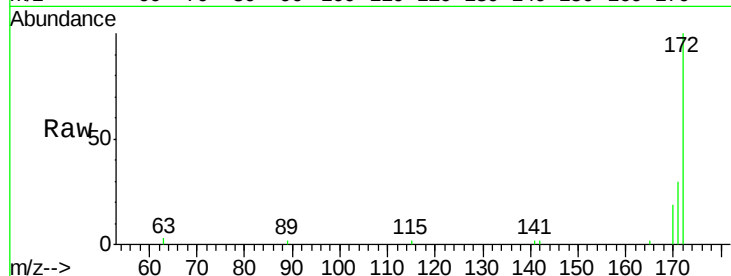




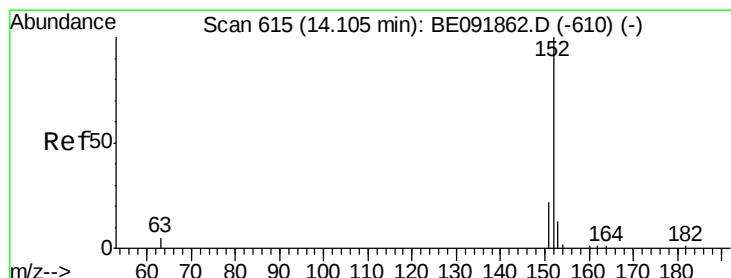
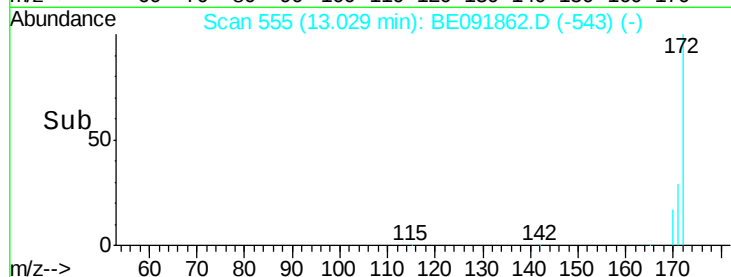
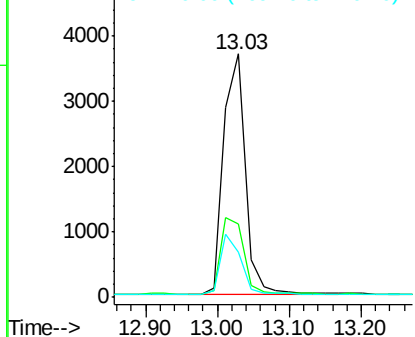
#17
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.03 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7691
Ion Ratio Lower Upper
172 100
171 30.4 24.3 36.5
170 18.6 14.9 22.3

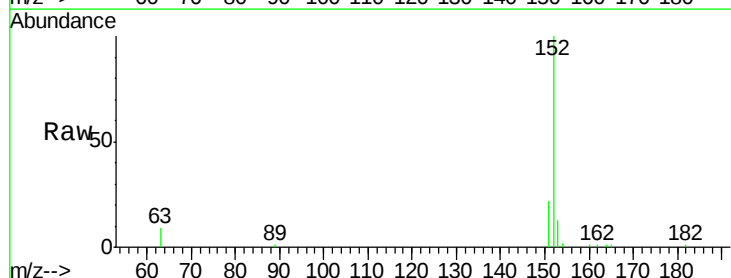


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

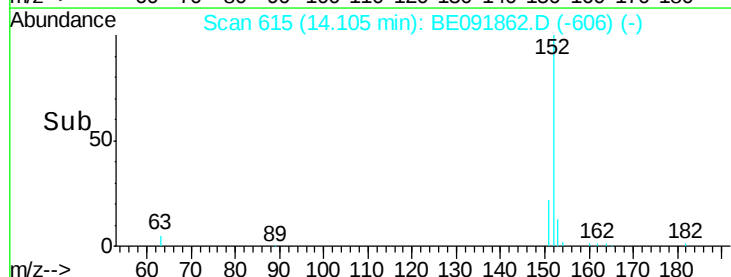
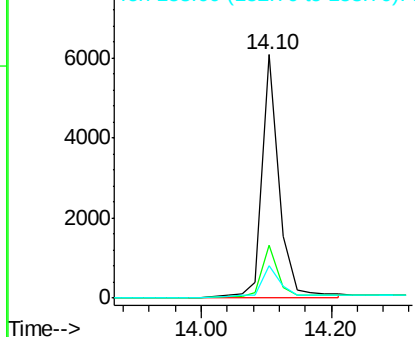


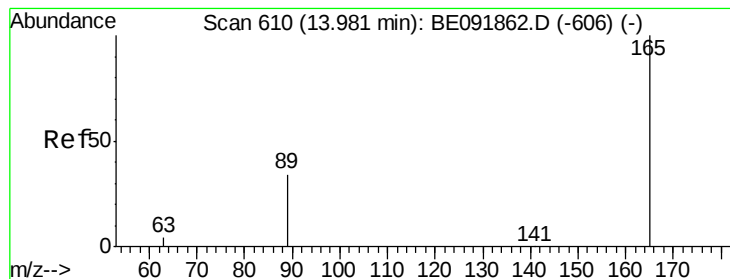
#18
Acenaphthylene
Concen: 0.40 ng
RT: 14.10 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion:152 Resp: 12016
Ion Ratio Lower Upper
152 100
151 24.3 19.4 29.2
153 18.0 14.4 21.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

2,6-Dinitrotoluene

Concen: 0.33 ng

RT: 13.98 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

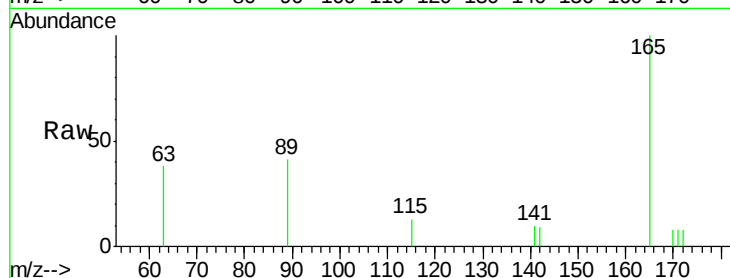
Tot Ion:165 Resp: 1530

Ion Ratio Lower Upper

165 100

63 82.4 65.9 98.9

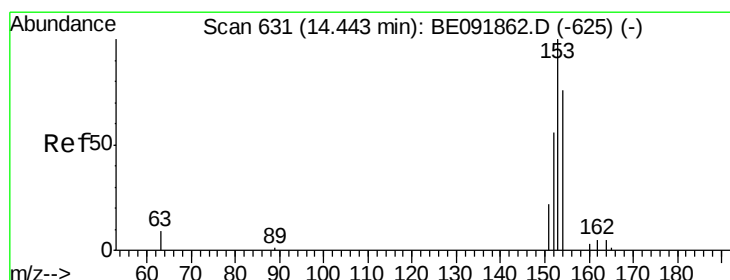
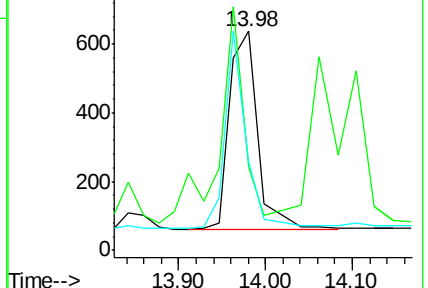
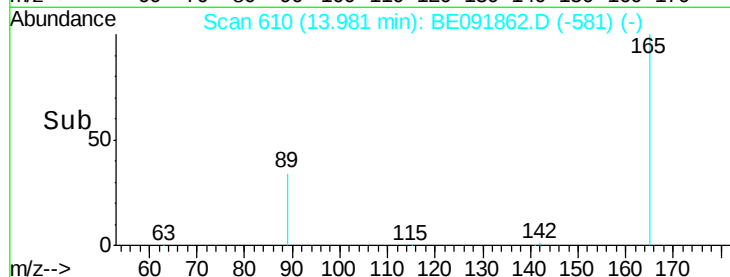
89 73.9 59.1 88.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.41 ng

RT: 14.44 min Scan# 631

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

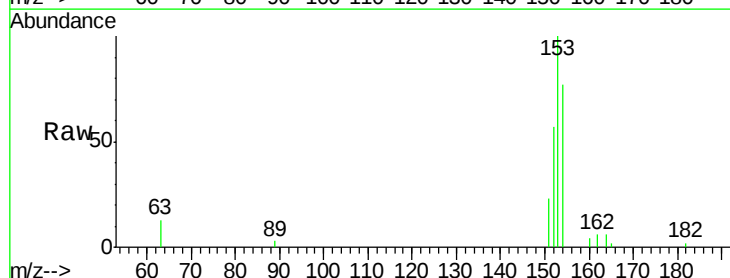
Tgt Ion:154 Resp: 6775

Ion Ratio Lower Upper

154 100

153 110.1 88.1 132.1

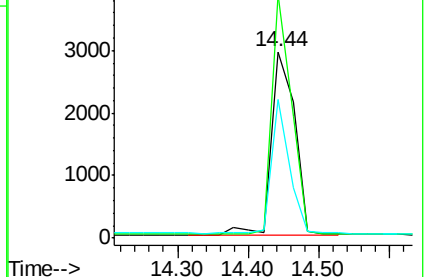
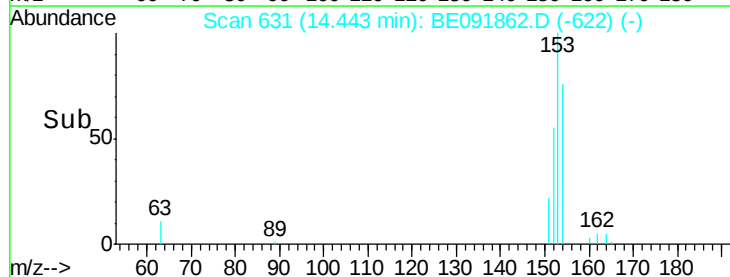
152 55.2 44.2 66.2

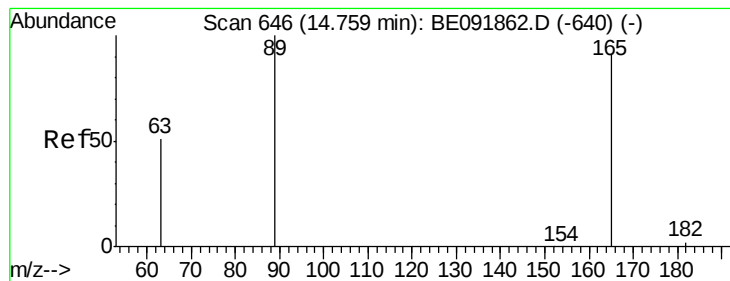


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.30 ng

RT: 14.76 min Scan# 646

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 1584

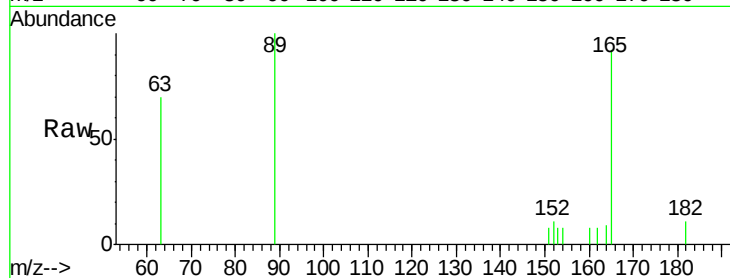
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 124.8 99.8 149.8

182 0.0 0.0 0.0

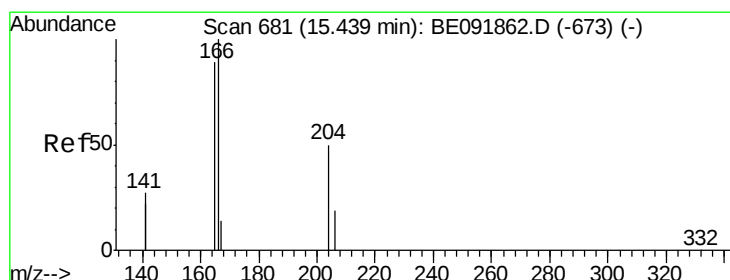
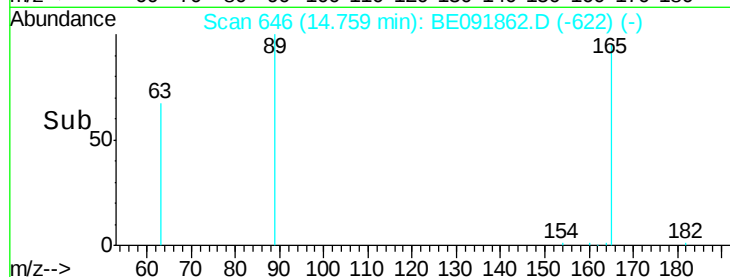
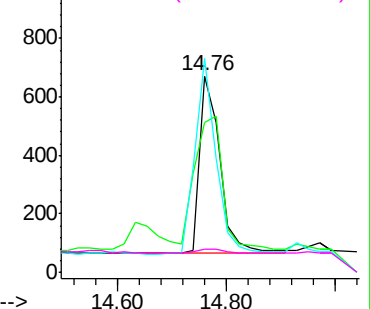


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.41 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

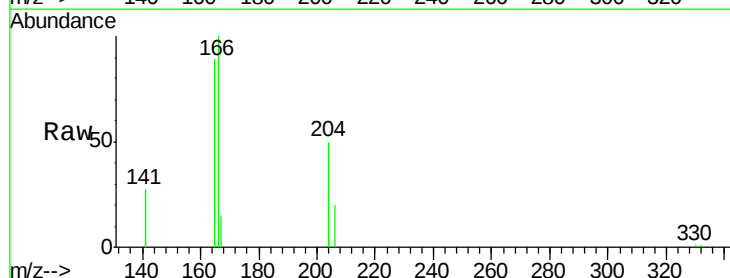
Tgt Ion:166 Resp: 8840

Ion Ratio Lower Upper

166 100

165 98.2 78.6 117.8

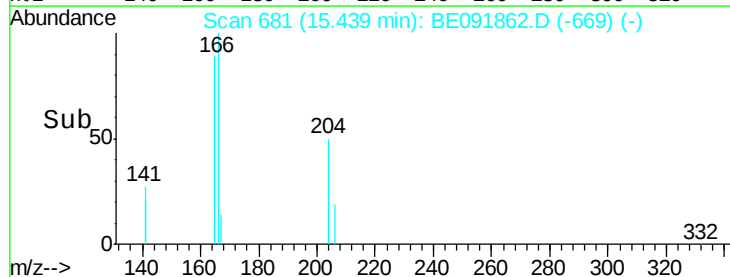
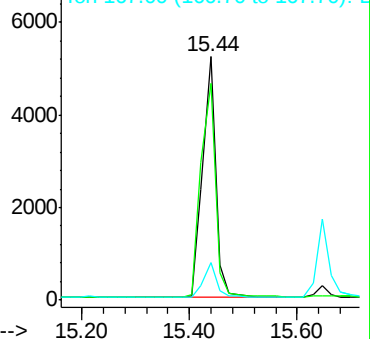
167 13.5 10.8 16.2

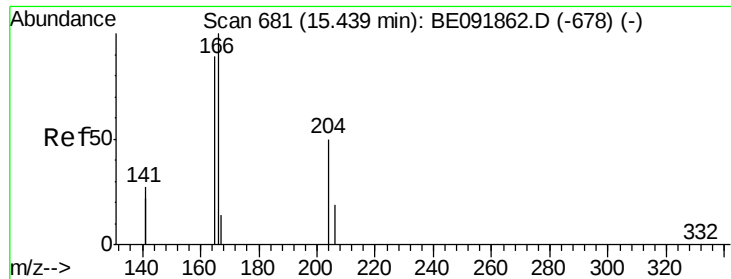


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

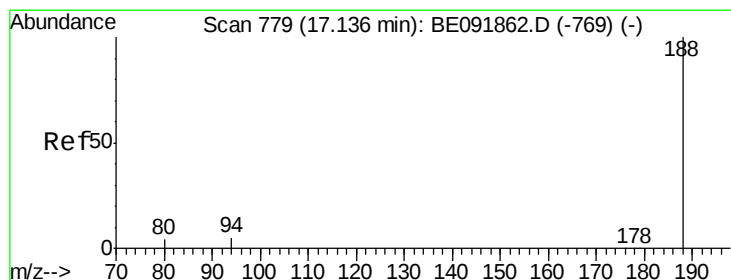
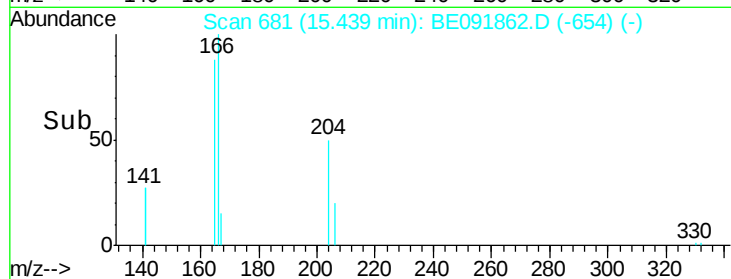
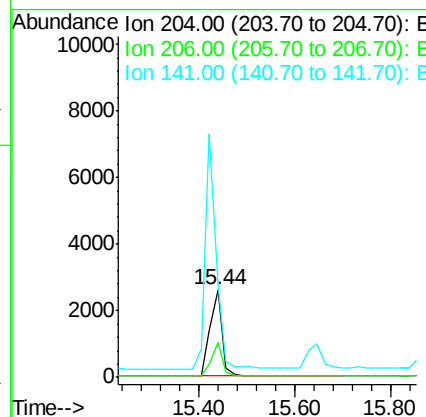
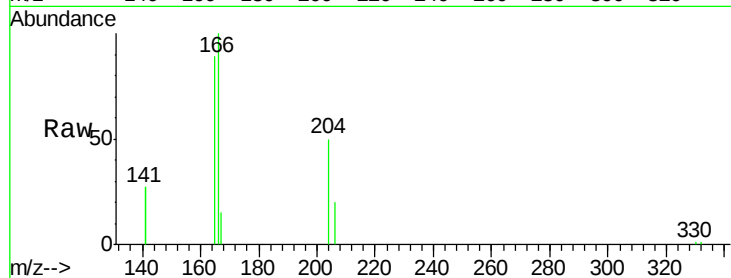




#23
4-Chlorophenyl-phenylether
Concen: 0.43 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

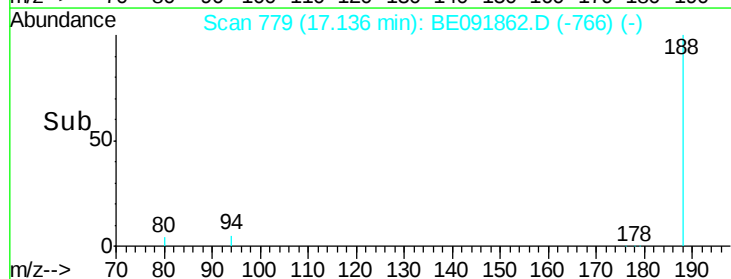
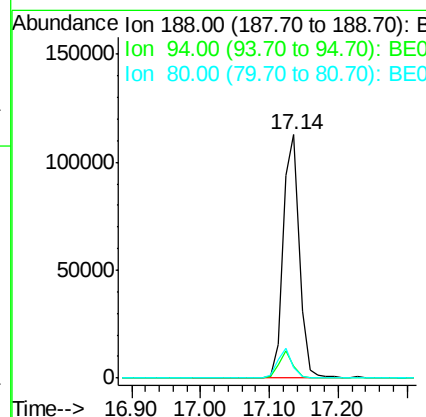
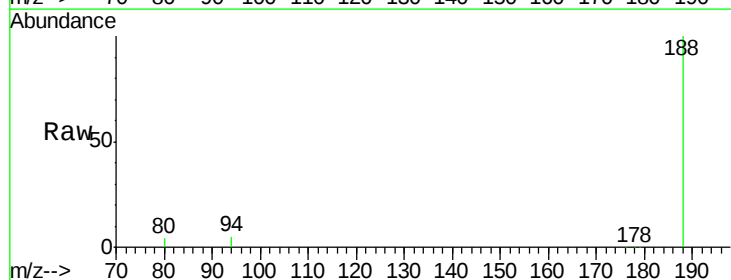
Instrument :
BNA_E
ClientSampled :

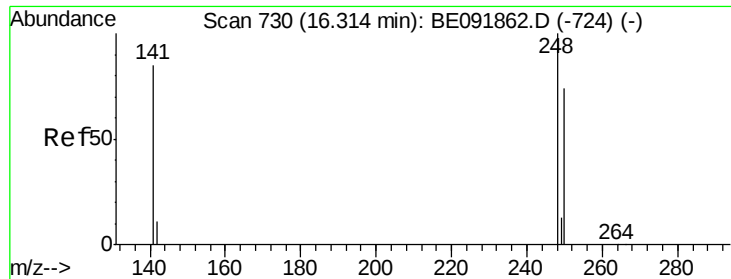
Tot Ion:204 Resp: 4513
Ion Ratio Lower Upper
204 100
206 34.7 27.8 41.6
141 247.0 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion:188 Resp: 212198
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 4.3 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 0.41 ng

RT: 16.31 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

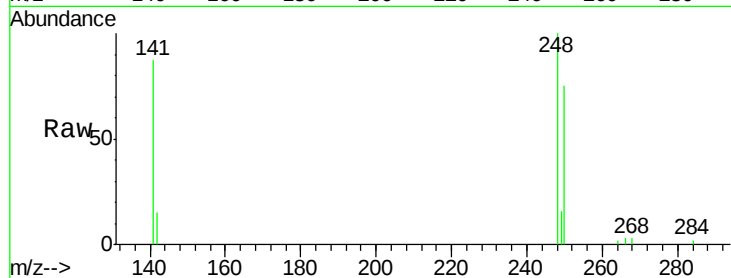
Tot Ion:248 Resp: 2829

Ion Ratio Lower Upper

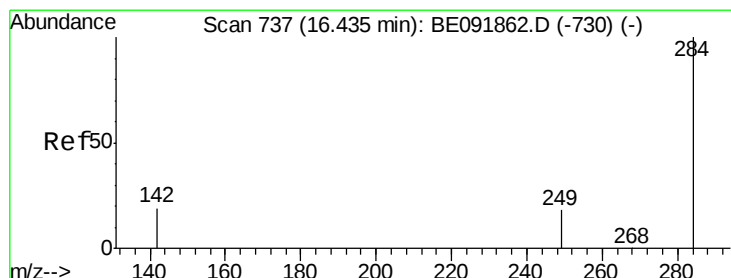
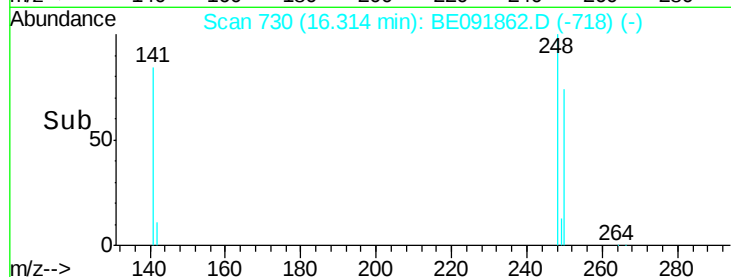
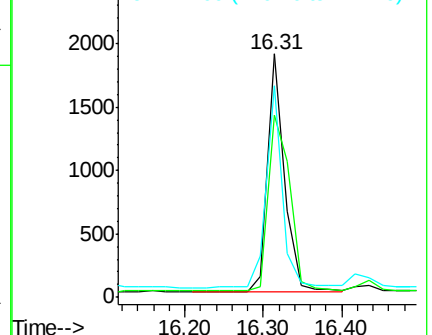
248 100

250 94.6 75.7 113.5

141 80.8 64.6 97.0



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



#26

Hexachlorobenzene

Concen: 0.42 ng

RT: 16.43 min Scan# 737

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

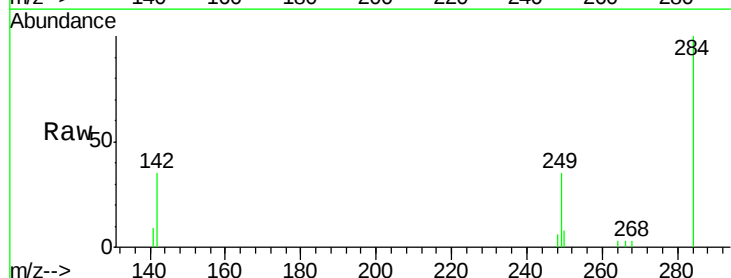
Tgt Ion:284 Resp: 2787

Ion Ratio Lower Upper

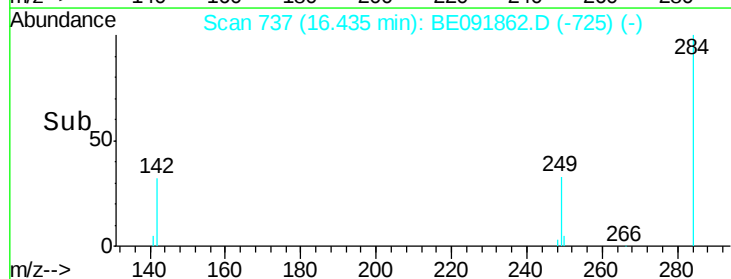
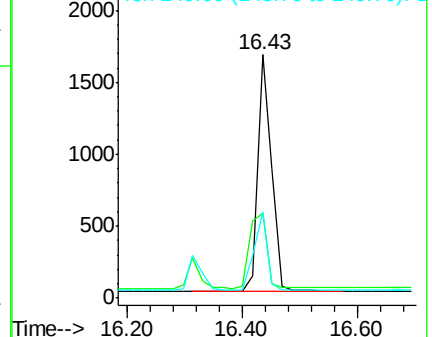
284 100

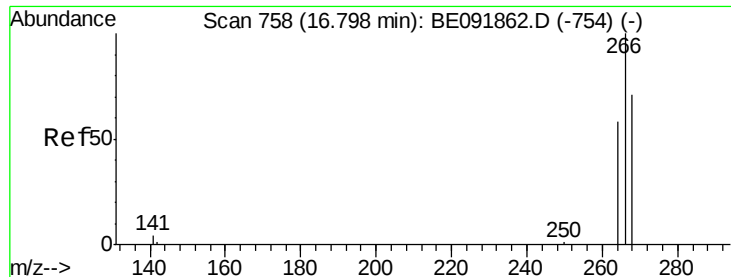
142 39.3 31.4 47.2

249 31.6 25.3 37.9



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





#27

Pentachlorophenol

Concen: 0.29 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

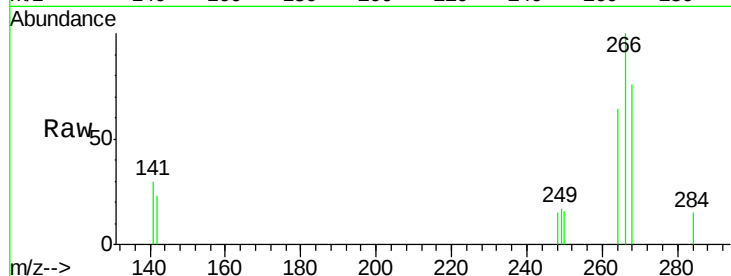
Tot Ion:266 Resp: 861

Ion Ratio Lower Upper

266 100

268 75.6 60.5 90.7

264 63.7 51.0 76.4

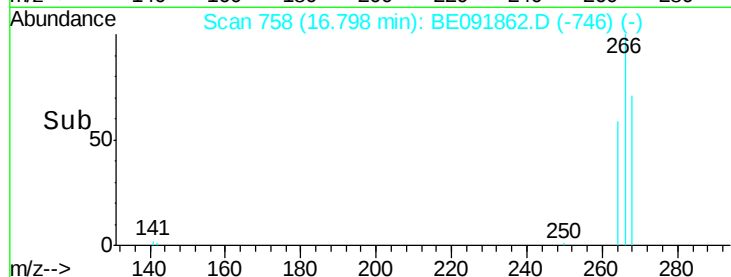


Abundance Ion 265.70 (265.40 to 266.40): E

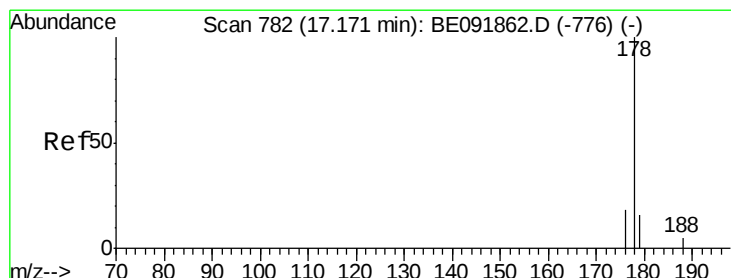
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



Time-->



#28

Phenanthrene

Concen: 0.42 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

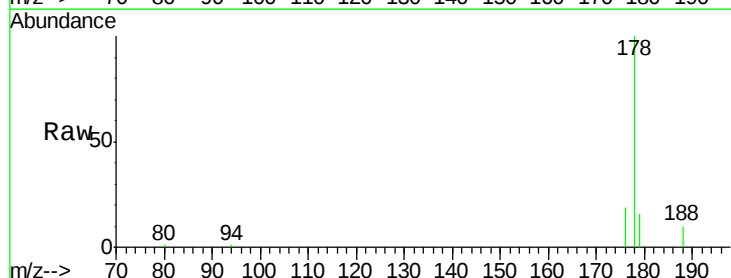
Tgt Ion:178 Resp: 17096

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 16.1 12.9 19.3

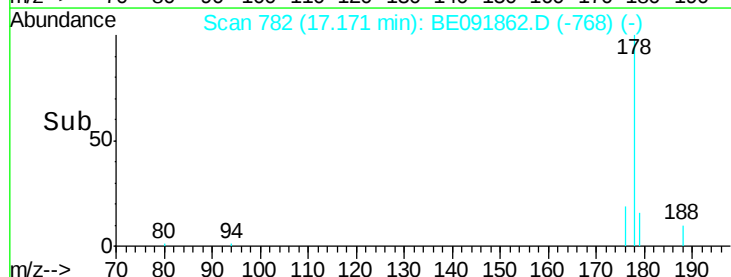


Abundance Ion 178.00 (177.70 to 178.70): E

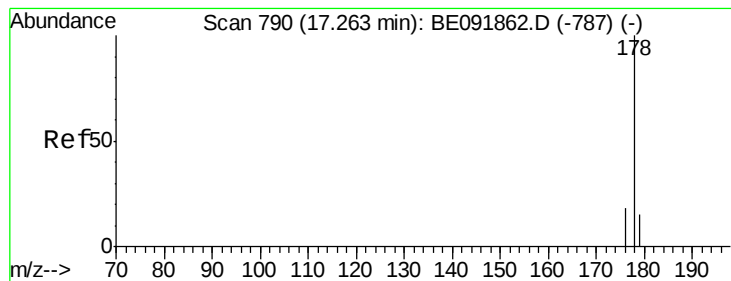
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#29

Anthracene

Concen: 0.40 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

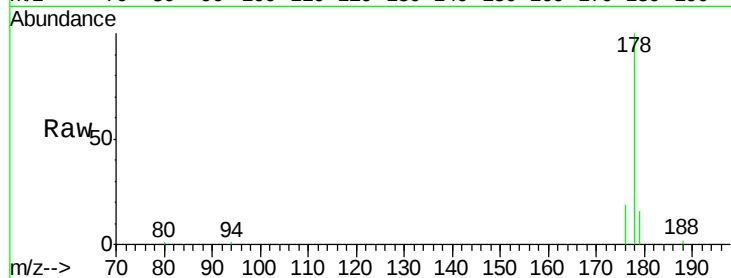
Tot Ion:178 Resp: 15503

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

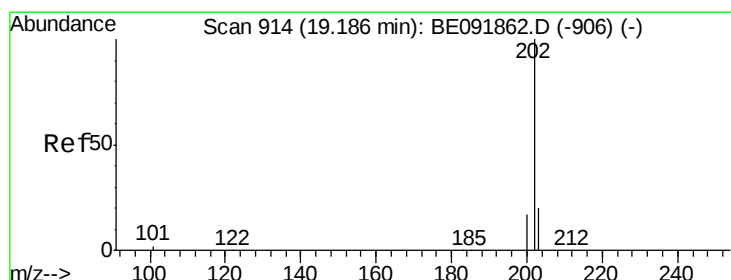
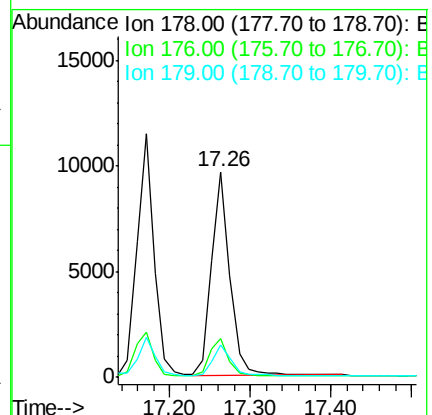
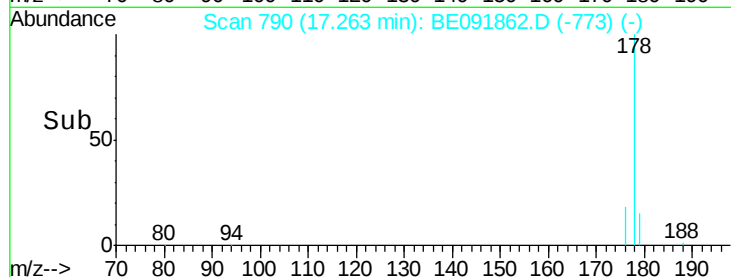
179 15.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.42 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

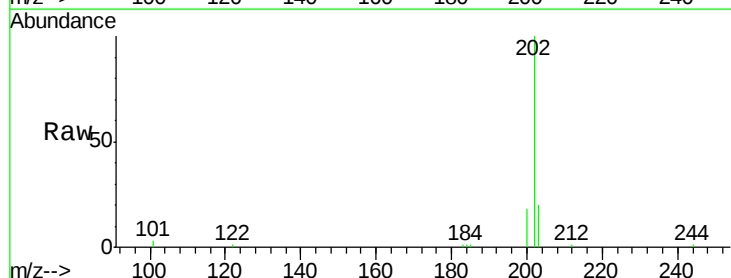
Tgt Ion:202 Resp: 19758

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

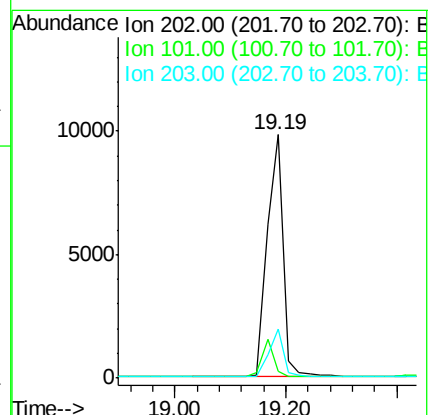
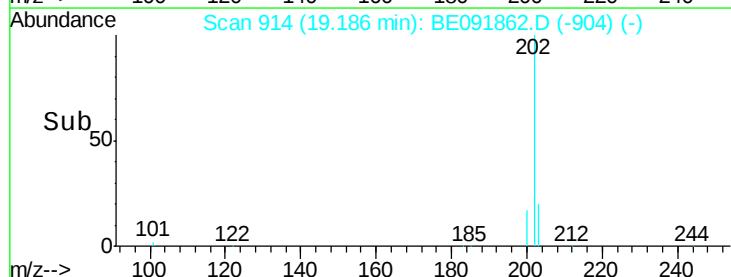
203 17.9 14.3 21.5

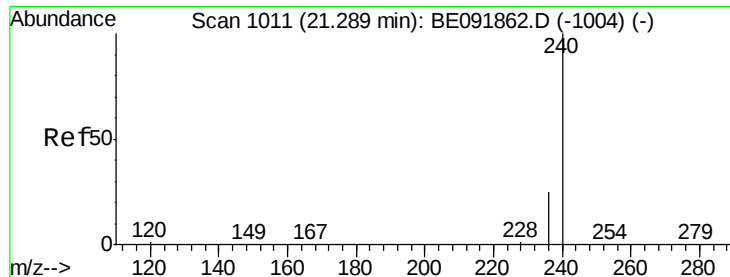


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

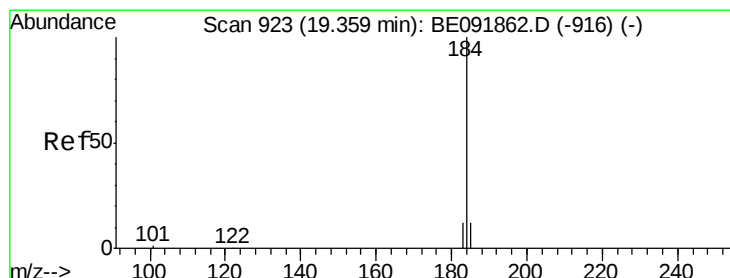
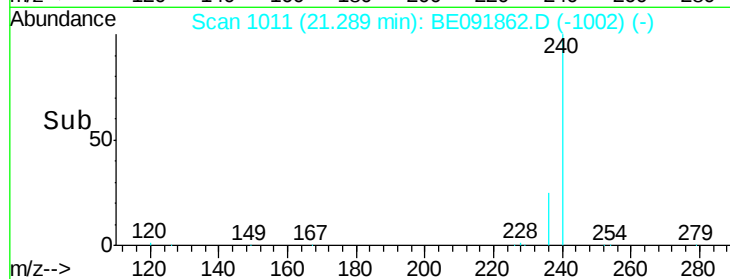
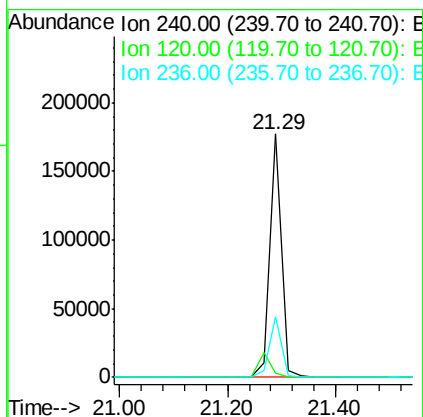
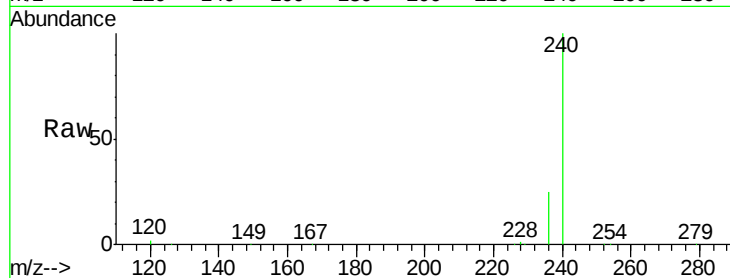




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

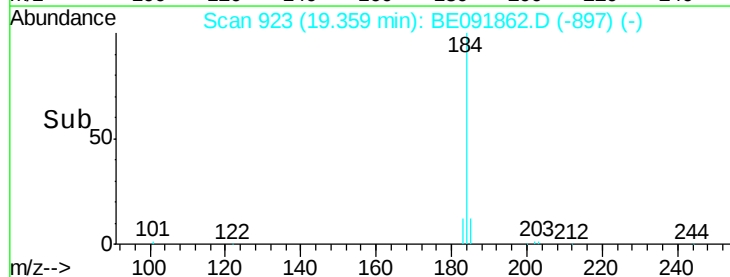
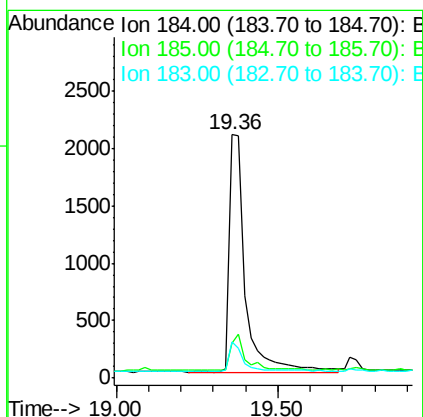
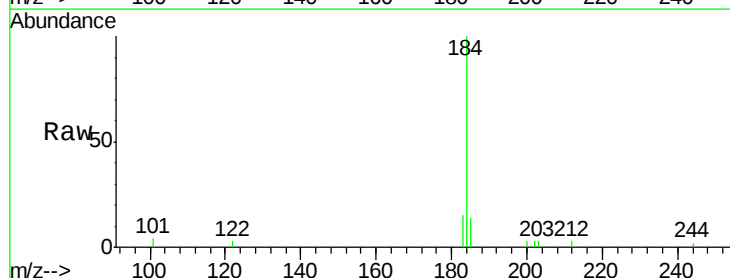
Instrument :
BNA_E
ClientSampleId :

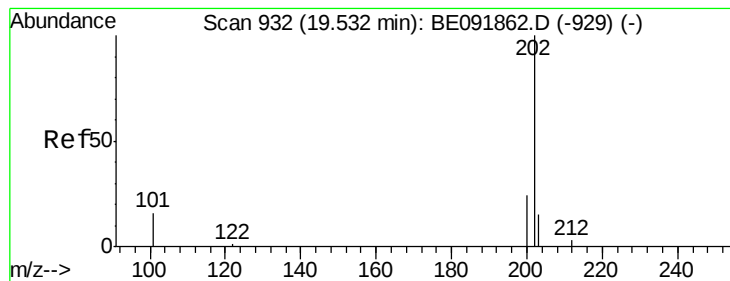
Tot Ion:240 Resp: 270598
Ion Ratio Lower Upper
240 100
120 1.5 1.2 1.8
236 24.8 19.8 29.8



#32
Benzidine
Concen: 0.33 ng
RT: 19.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion:184 Resp: 6957
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.2
183 14.7 11.8 17.6





#33

Pvrene

Concen: 0.41 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

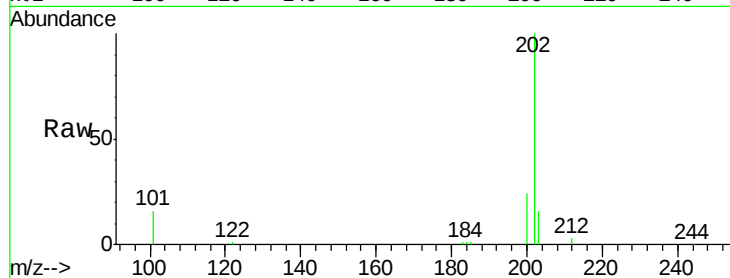
Tot Ion:202 Resp: 21119

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

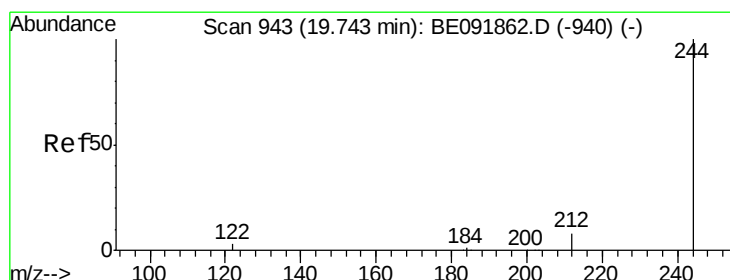
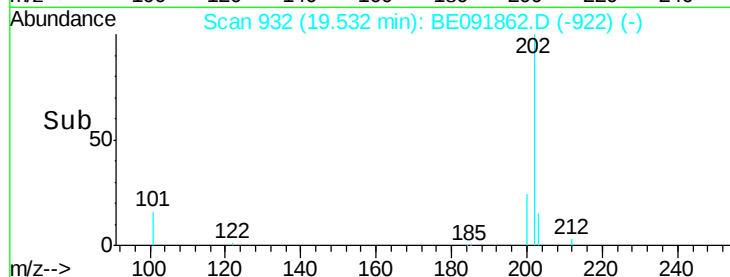
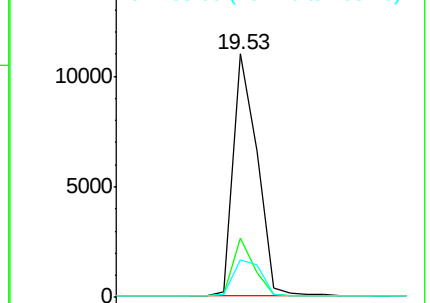
203 17.6 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.42 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

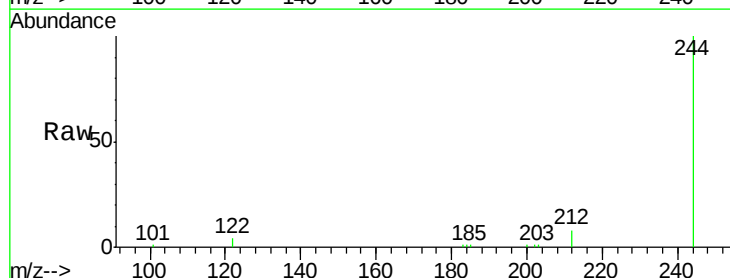
Tgt Ion:244 Resp: 15415

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

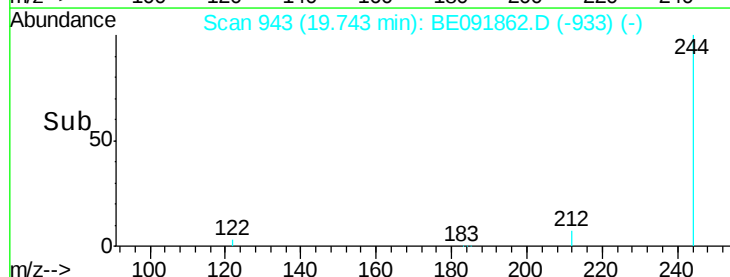
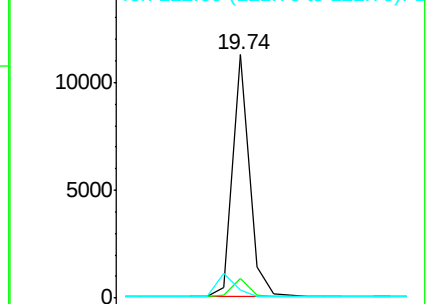
122 3.6 2.9 4.3

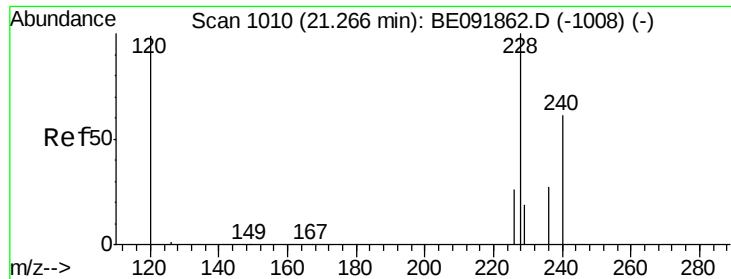


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

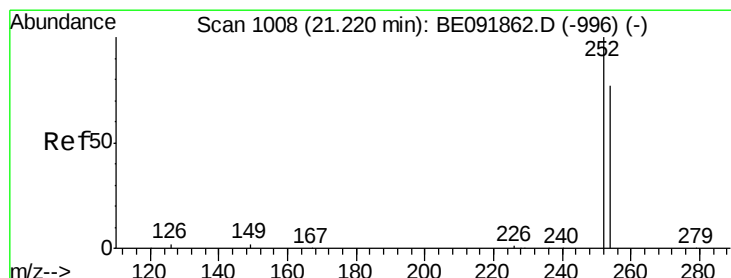
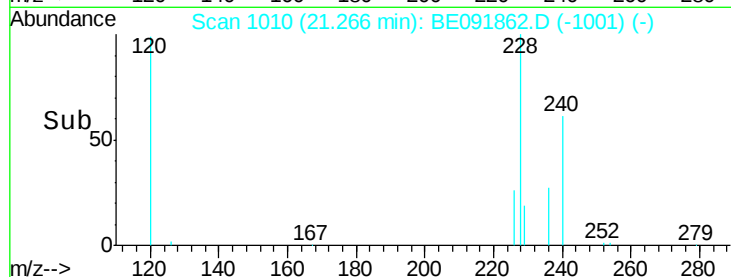
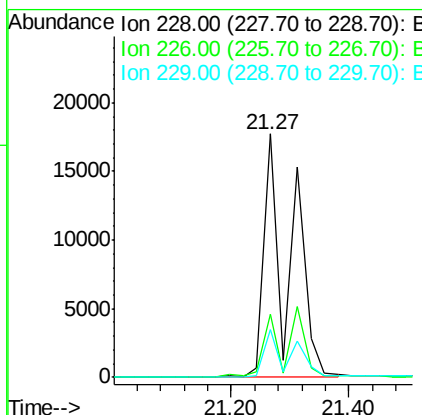
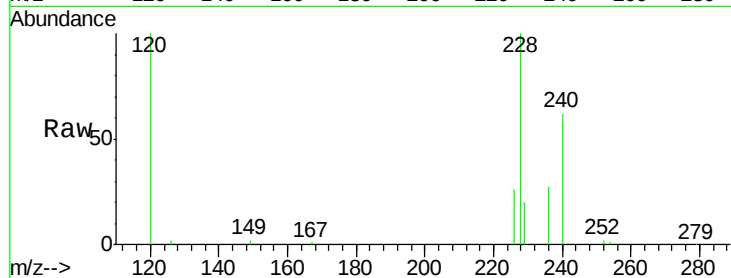




#35
Benzo(a)anthracene
Concen: 0.59 ng
RT: 21.27 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

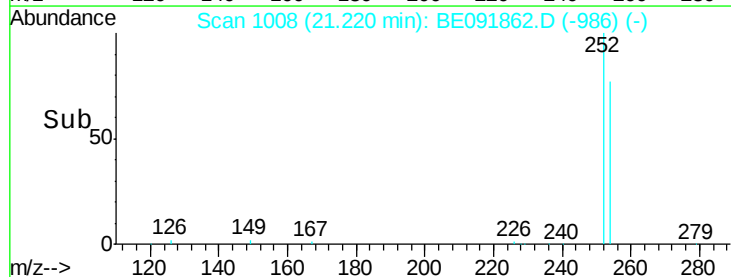
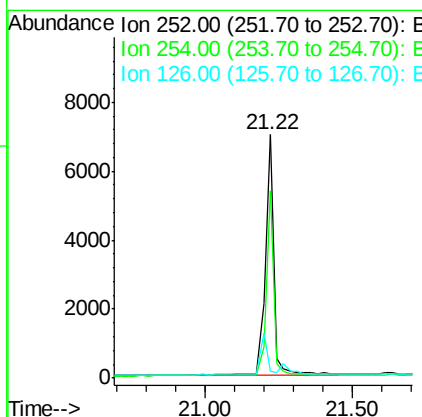
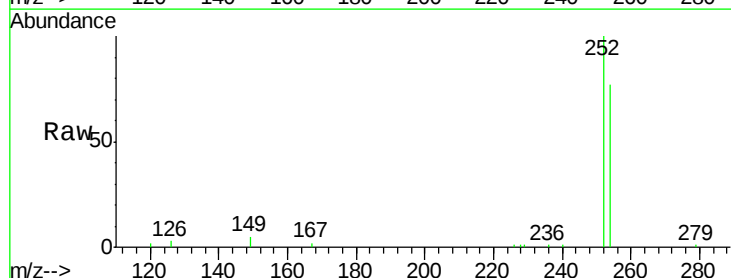
Instrument :
BNA_E
ClientSampleId :

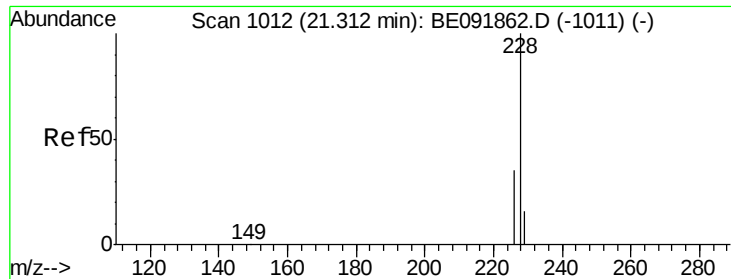
Tot Ion:228 Resp: 52377
Ion Ratio Lower Upper
228 100
226 26.2 21.0 31.4
229 19.8 15.8 23.8



#36
3,3'-Dichlorobenzidine
Concen: 0.41 ng
RT: 21.22 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE091862.D
Acq: 25 May 2016 17:15

Tgt Ion:252 Resp: 14357
Ion Ratio Lower Upper
252 100
254 76.9 61.5 92.3
126 3.1 2.5 3.7

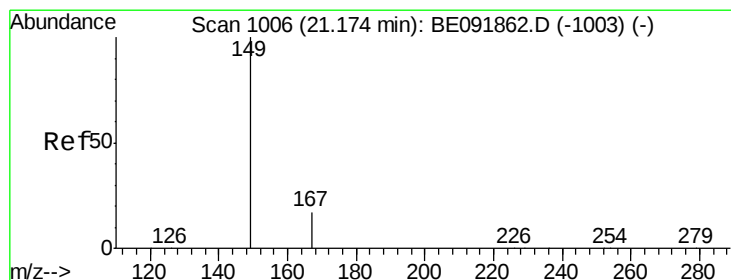
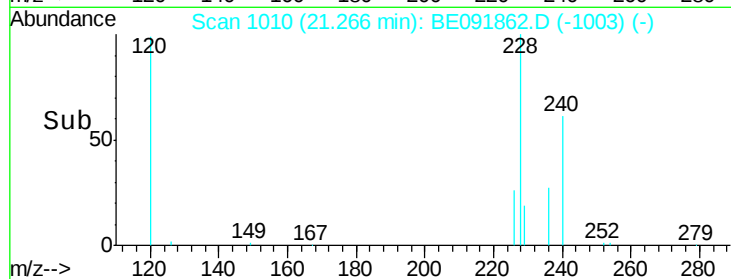
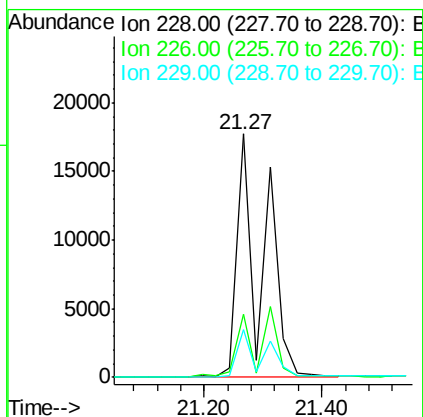
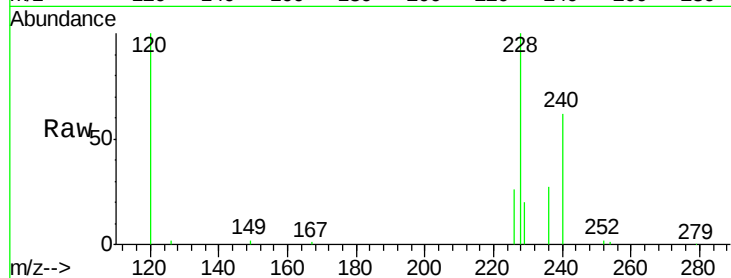




#37
 Chrysene
 Concen: 0.61 ng
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.05 min
 Lab File: BE091862.D
 Acq: 25 May 2016 17:15

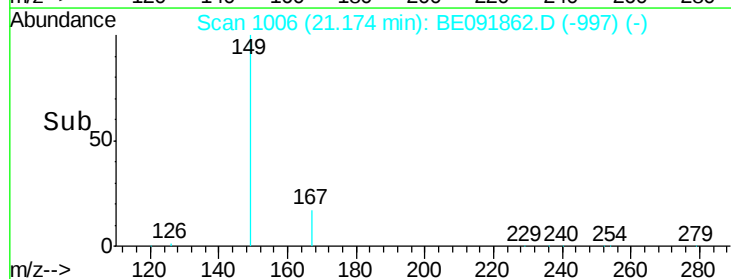
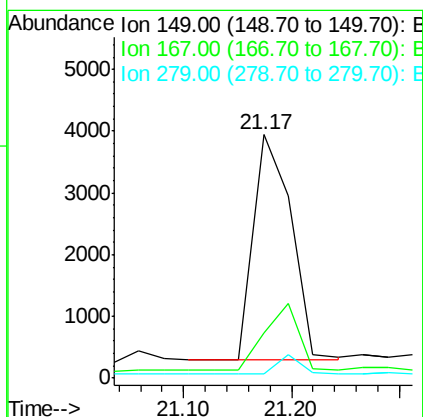
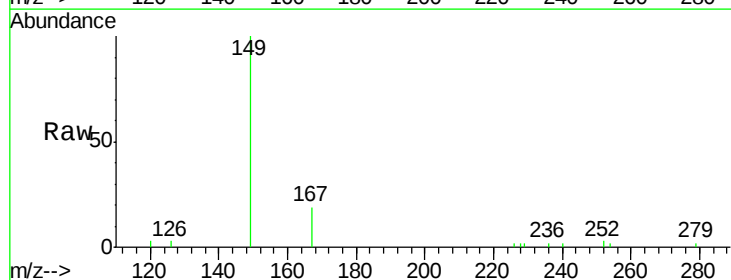
Instrument :
 BNA_E
 ClientSampled :

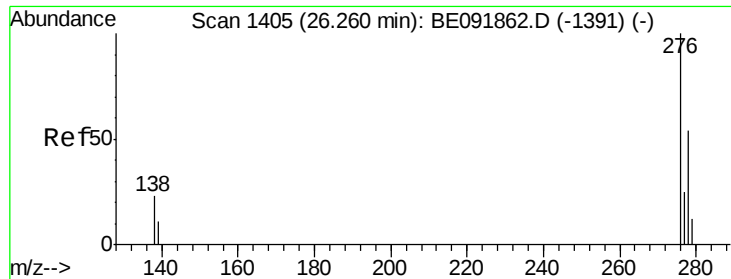
Tot Ion:228 Resp: 52566
 Ion Ratio Lower Upper
 228 100
 226 26.2 27.0 40.6#
 229 19.8 13.8 20.8



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BE091862.D
 Acq: 25 May 2016 17:15

Tgt Ion:149 Resp: 8930
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng

RT: 26.26 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

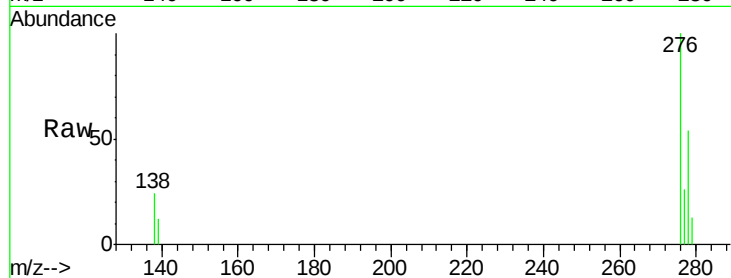
Tot Ion:276 Resp: 25254

Ion Ratio Lower Upper

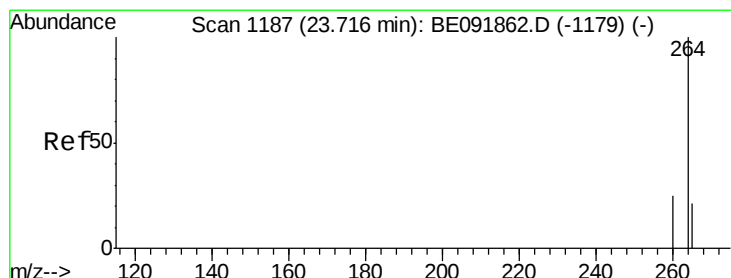
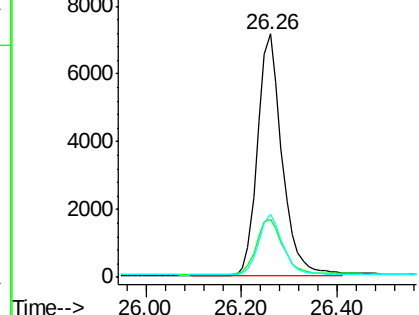
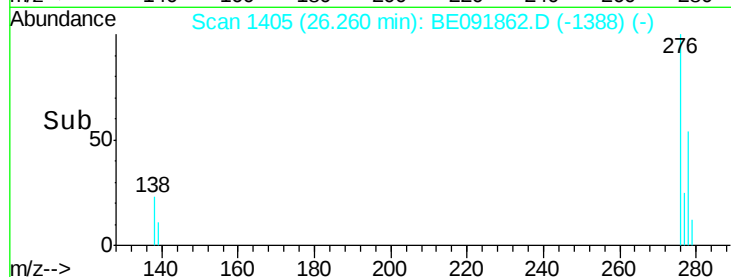
276 100

138 24.6 19.7 29.5

277 25.1 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.72 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

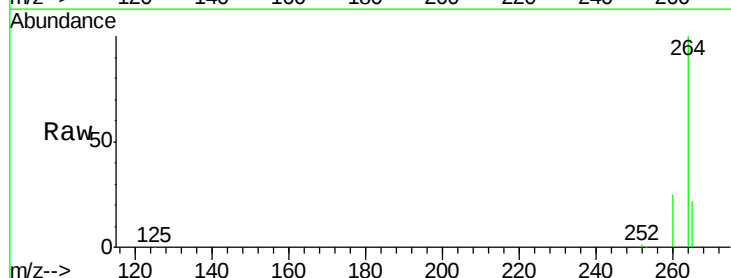
Tgt Ion:264 Resp: 238086

Ion Ratio Lower Upper

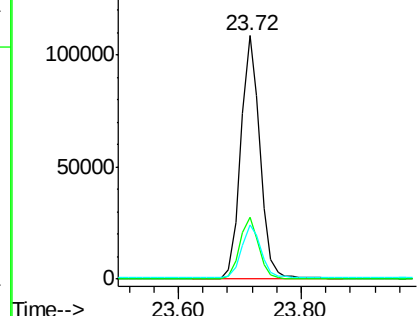
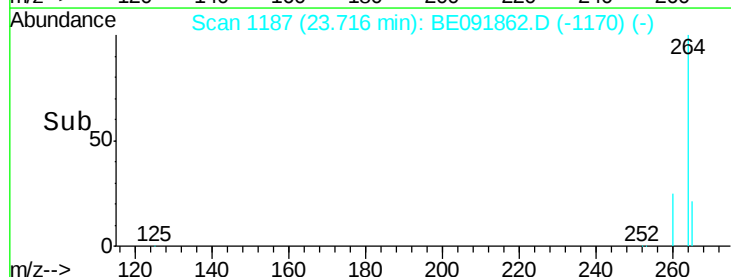
264 100

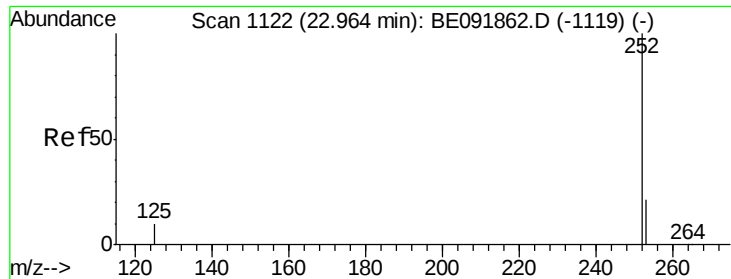
260 25.4 20.3 30.5

265 22.0 17.6 26.4



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





#41

Benzo(b)fluoranthene

Concen: 0.39 ng

RT: 22.96 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :

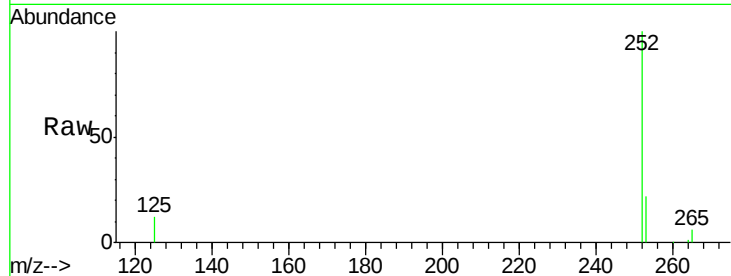
Tot Ion:252 Resp: 22513

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

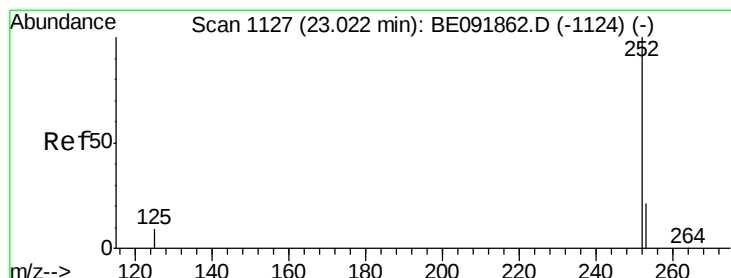
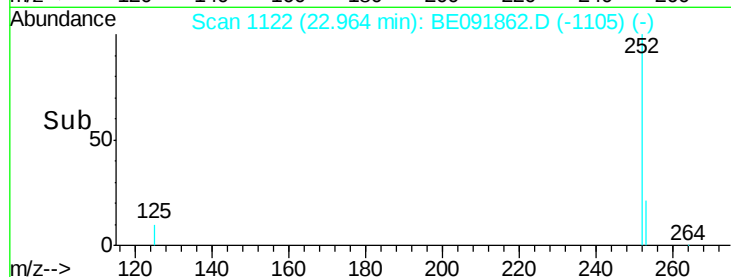
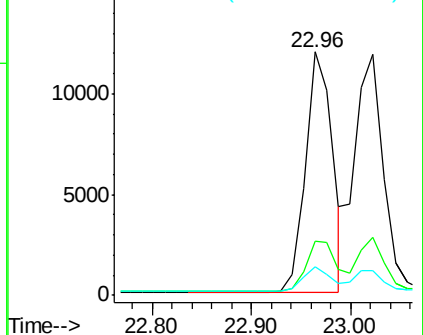
125 11.8 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 0.43 ng

RT: 23.02 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

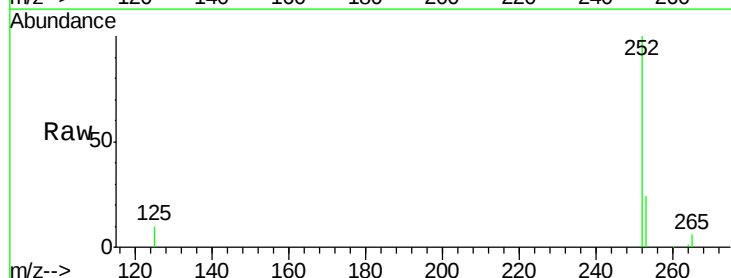
Tgt Ion:252 Resp: 23959

Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.2

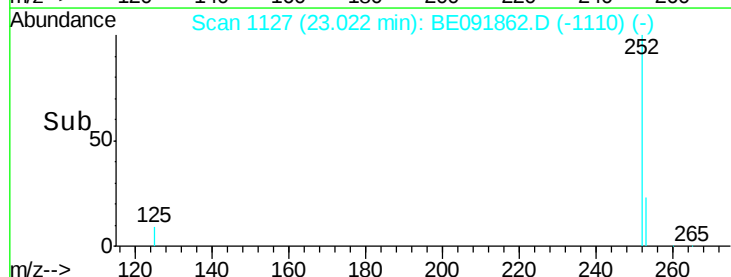
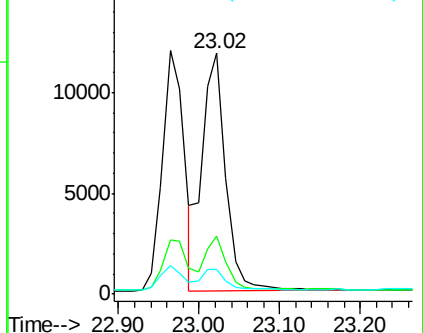
125 10.4 8.3 12.5

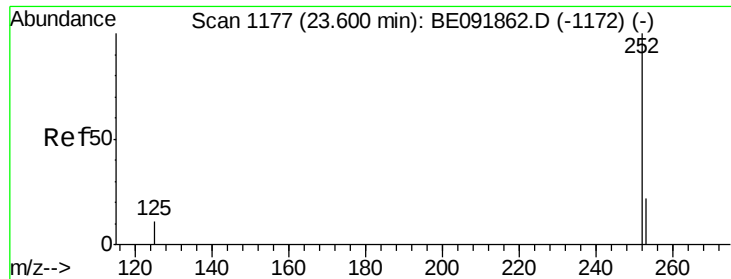


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.60 min Scan# 1177

Delta R.T. 0.00 min

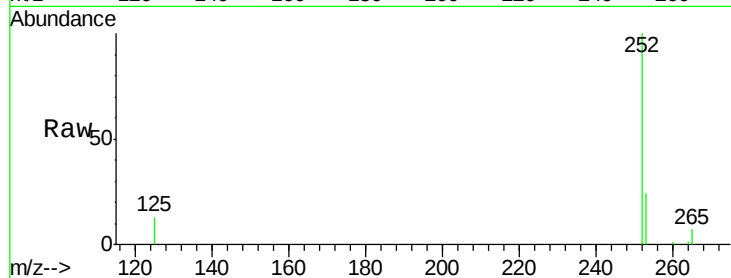
Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :



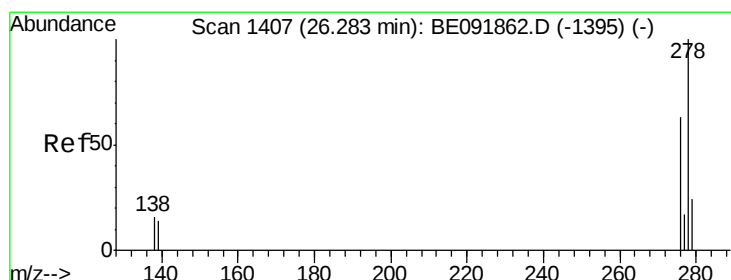
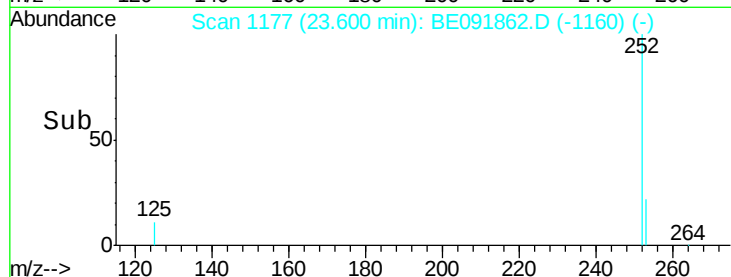
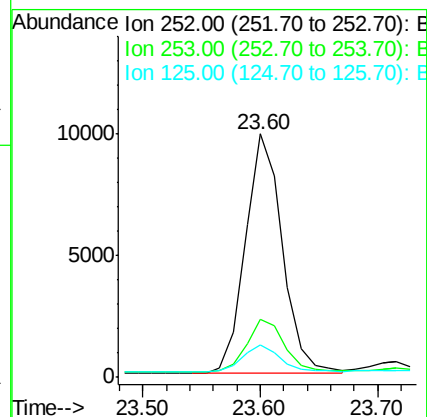
Tot Ion:252 Resp: 21777

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

125 13.1 10.5 15.7



#44

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 26.28 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE091862.D

Acq: 25 May 2016 17:15

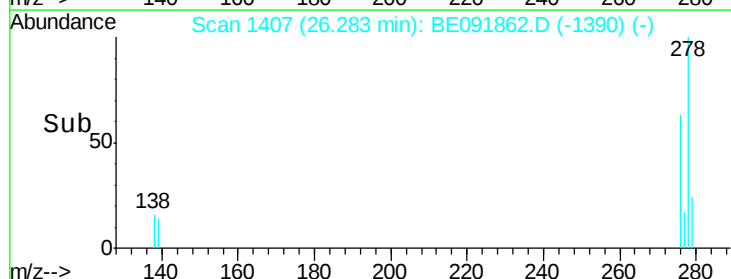
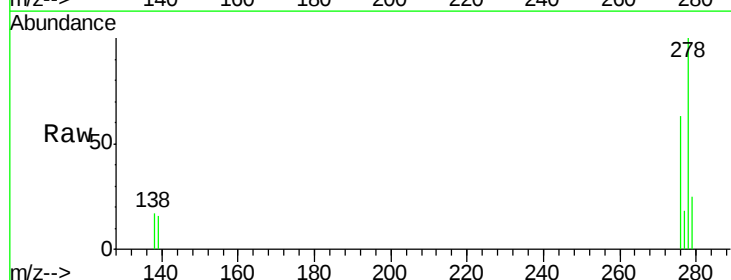
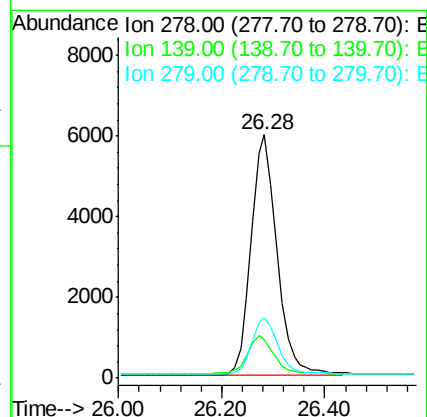
Tgt Ion:278 Resp: 21011

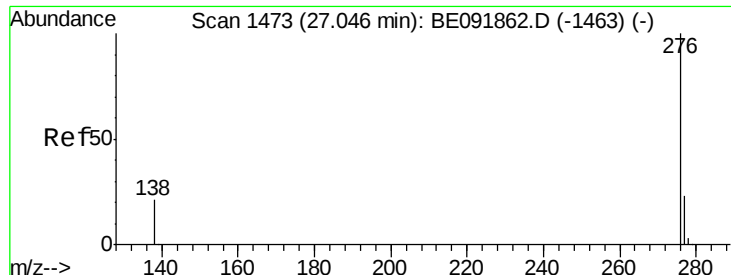
Ion Ratio Lower Upper

278 100

139 15.7 12.6 18.8

279 25.0 20.0 30.0





#45

Benzo(a,h,i)perylene

Concen: 0.41 ng

RT: 27.05 min Scan# 1473

Delta R.T. 0.00 min

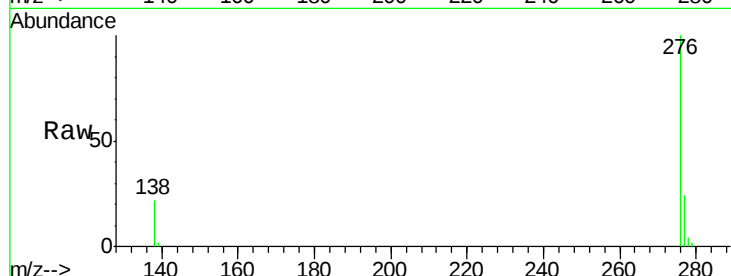
Lab File: BE091862.D

Acq: 25 May 2016 17:15

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 21365

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 22.1 17.7 26.5

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

