

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092052.D
 Acq On : 27 Jul 2016 12:00
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Jul 27 13:33:13 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 12:50:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	9613	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	43238	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	19387	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	59809	5.00	ng	0.01
31) Chrysene-d12	21.76	240	52743	5.00	ng	0.00
40) Perylene-d12	24.15	264	63028	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1552	0.76	ng	0.00
5) Phenol-d6	7.35	99	2000	0.70	ng	0.00
9) Nitrobenzene-d5	9.37	82	2258	0.64	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	493	0.81	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	6066	0.74	ng	0.00
34) Terphenyl-d14	20.20	244	8238	0.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.45	88	1032	0.67	ng	93
3) n-Nitrosodimethylamine	3.82	42	1277	0.86	ng	# 92
6) bis(2-Chloroethyl)ether	7.61	93	2134	0.81	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	1707	0.81	ng	98
10) Nitrobenzene	9.40	77	2421	0.88	ng	99
11) bis(2-Chloroethoxy)methane	10.42	93	2672	0.84	ng	# 79
12) Naphthalene	11.04	128	7598	0.75	ng	97
13) Hexachlorobutadiene	11.32	225	1109	0.72	ng	# 100
14) 2-Methylnaphthalene	12.66	142	4795	0.77	ng	94
18) Acenaphthylene	14.56	152	38807	0.81	ng	98
19) 2,6-Dinitrotoluene	14.44	165	4752	1.03	ng	# 100
20) Acenaphthene	14.92	154	3949	0.69	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	6779	1.72	ng	# 1
22) Fluorene	15.90	166	6478	0.77	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	3179	0.73	ng	90
25) 4-Bromophenyl-phenylether	16.78	248	1911	0.74	ng	99
26) Hexachlorobenzene	16.90	284	2038	0.76	ng	99
27) Pentachlorophenol	17.25	266	380	0.95	ng	91
28) Phenanthrene	17.63	178	11918	0.73	ng	100
29) Anthracene	17.72	178	10547	0.76	ng	100
30) Fluoranthene	19.63	202	51017	0.73	ng	100
32) Benzidine	19.83	184	1887	1.07	ng	# 84
33) Pyrene	19.99	202	59560	0.95	ng	99
35) Benzo(a)anthracene	21.73	228	35502	1.09	ng	95
36) 3,3'-Dichlorobenzidine	21.67	252	3347	1.20	ng	# 92
37) Chrysene	21.73	228	35863	0.99	ng	96
38) Bis(2-ethylhexyl)phthalate	21.64	149	39956	0.61	ng	# 98
39) Indeno(1,2,3-cd)pyrene	26.67	276	53088	0.93	ng	99
41) Benzo(b)fluoranthene	23.41	252	14023	0.46	ng	99
42) Benzo(k)fluoranthene	23.46	252	14455	0.50	ng	97
43) Benzo(a)pyrene	24.04	252	11946	0.60	ng	96
44) Dibenzo(a,h)anthracene	26.68	278	10902	0.80	ng	96
45) Benzo(g,h,i)perylene	27.43	276	45338	0.78	ng	98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 12:50:07 2016
Response via : Initial Calibration

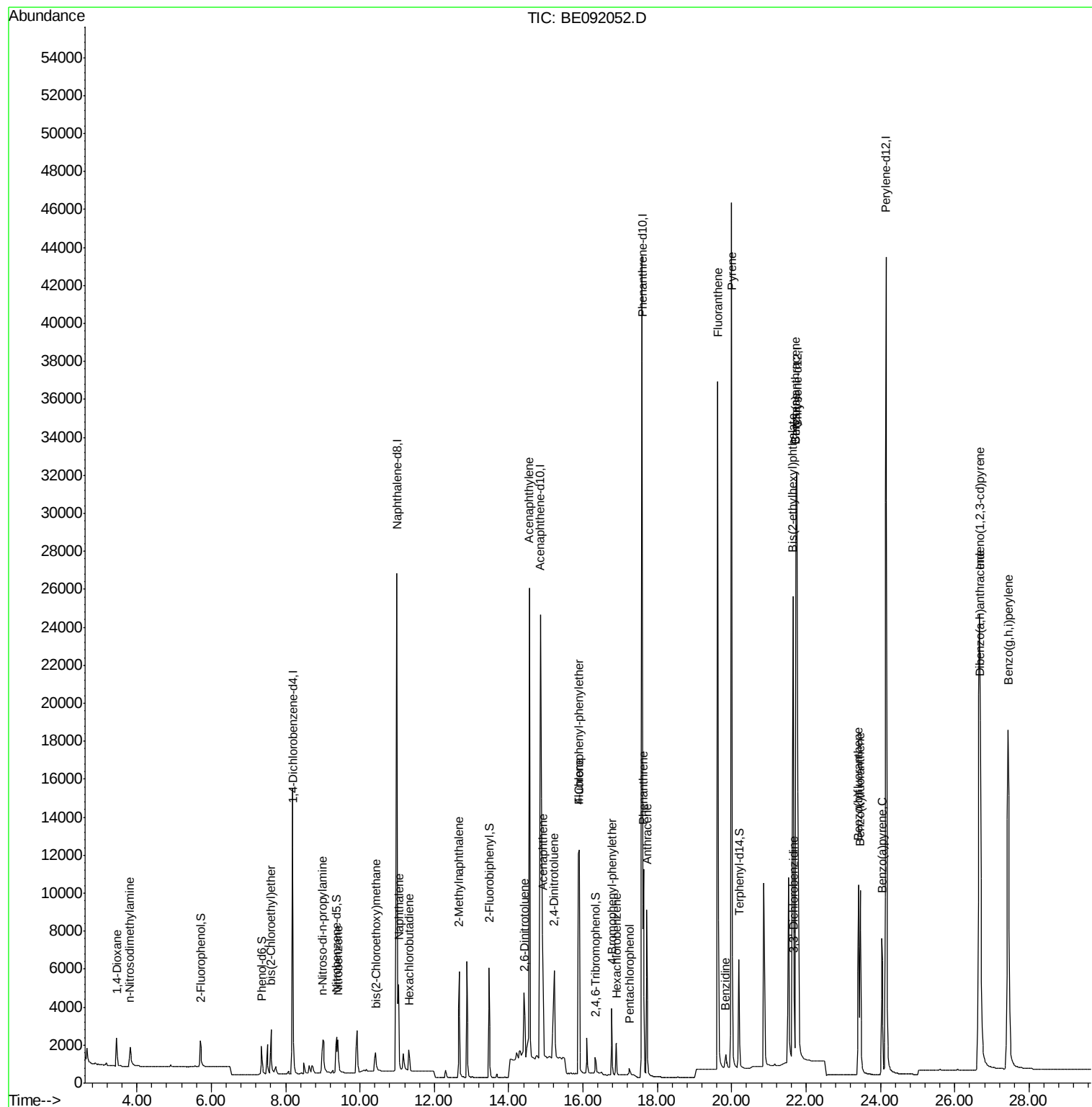
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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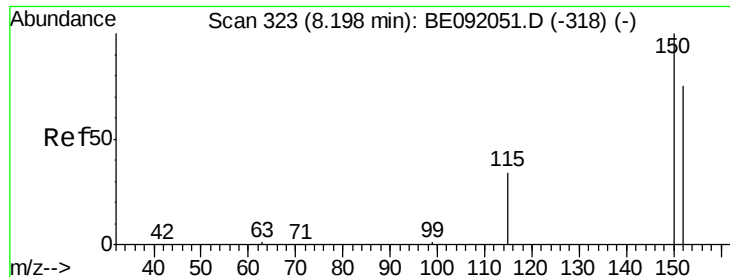
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

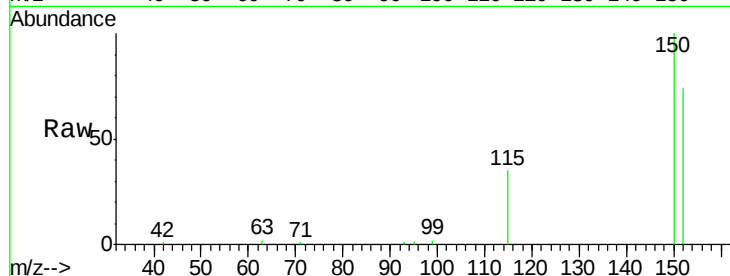
Tgt Ion:152 Resp: 9613

Ion Ratio Lower Upper

152 100

150 134.3 106.0 159.0

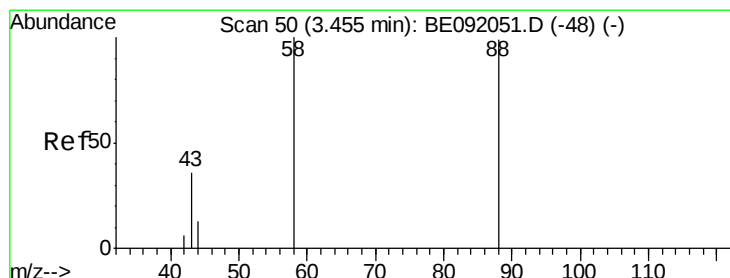
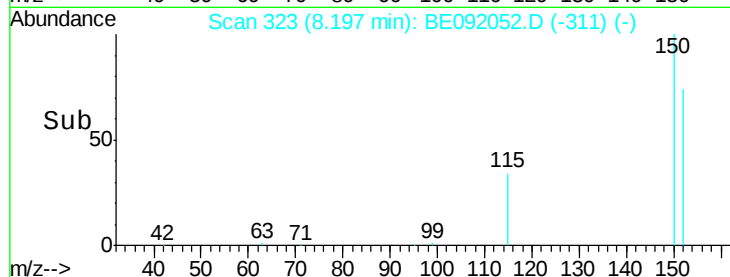
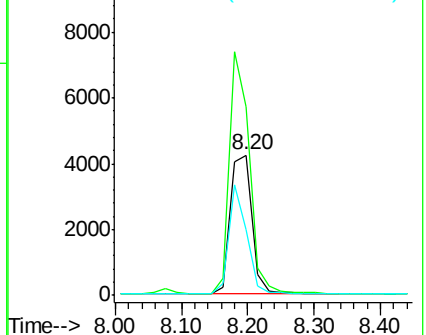
115 46.9 36.9 55.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.67 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

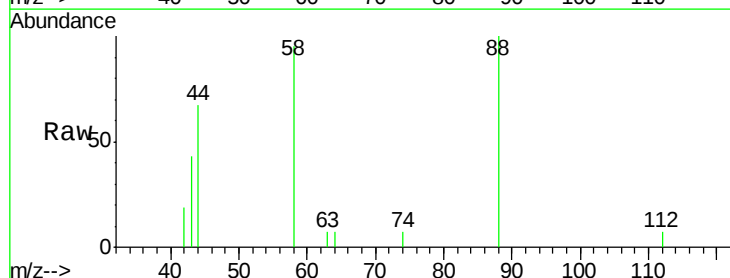
Tgt Ion: 88 Resp: 1032

Ion Ratio Lower Upper

88 100

58 85.6 62.1 93.1

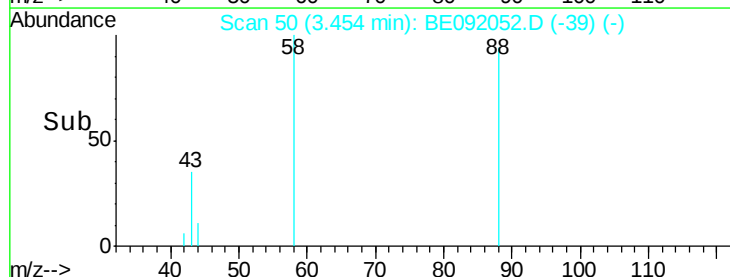
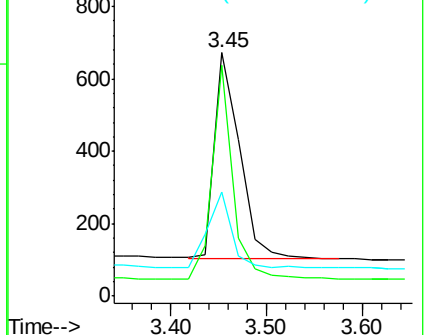
43 34.9 27.2 40.8

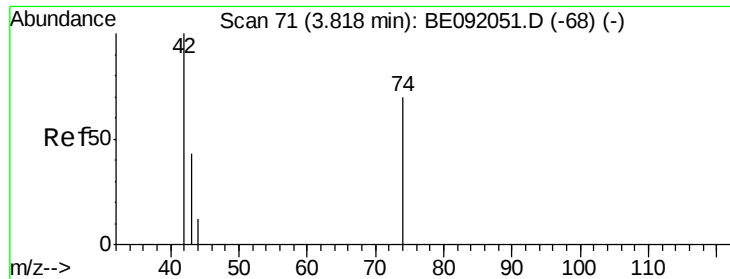


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.86 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

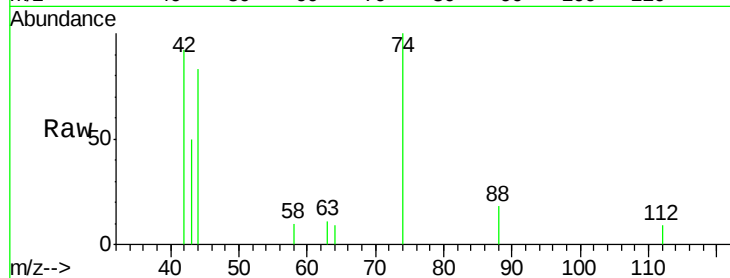
Tgt Ion: 42 Resp: 1277

Ion Ratio Lower Upper

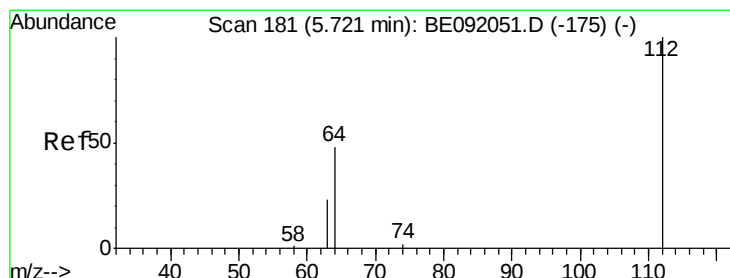
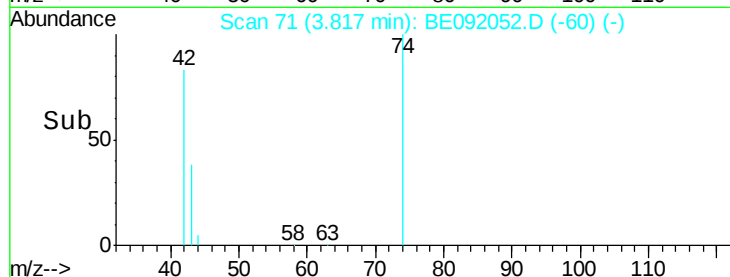
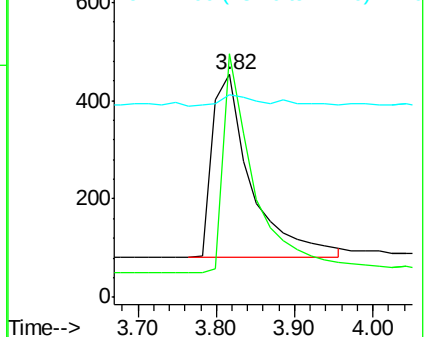
42 100

74 96.0 82.8 124.2

44 5.1 9.0 13.4#



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



#4

2-Fluorophenol

Concen: 0.76 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

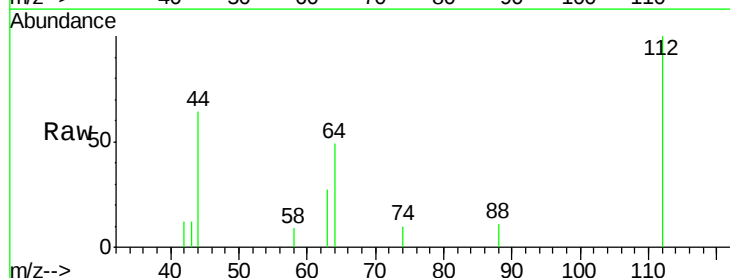
Tgt Ion: 112 Resp: 1552

Ion Ratio Lower Upper

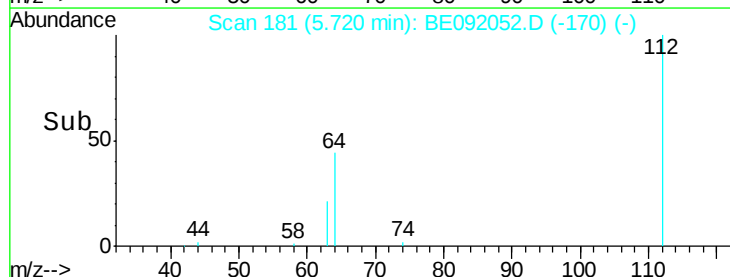
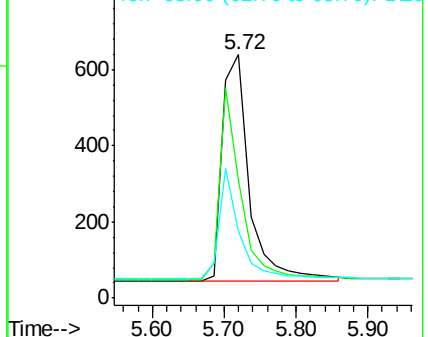
112 100

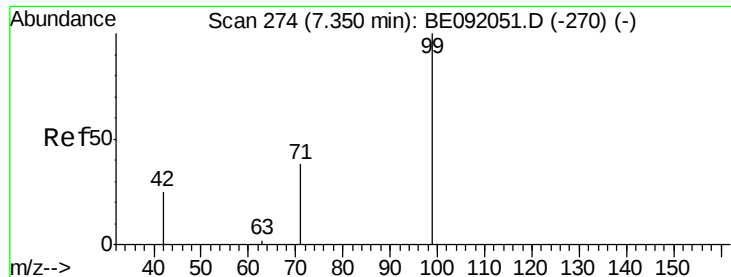
64 67.6 55.9 83.9

63 38.1 31.1 46.7



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





#5

Phenol-d6

Concen: 0.70 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

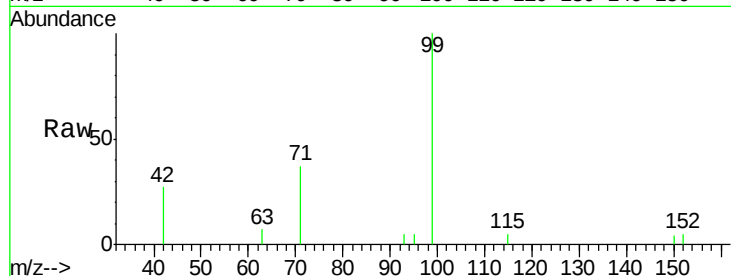
Tgt Ion: 99 Resp: 2000

Ion Ratio Lower Upper

99 100

42 27.3 22.4 33.6

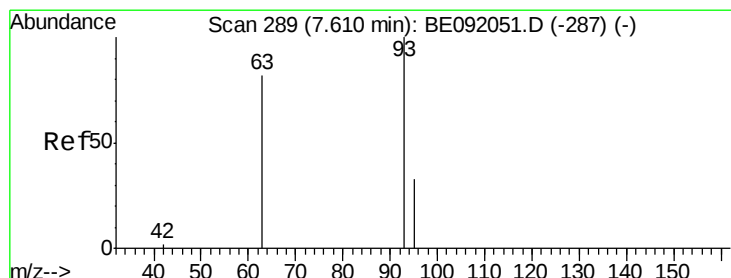
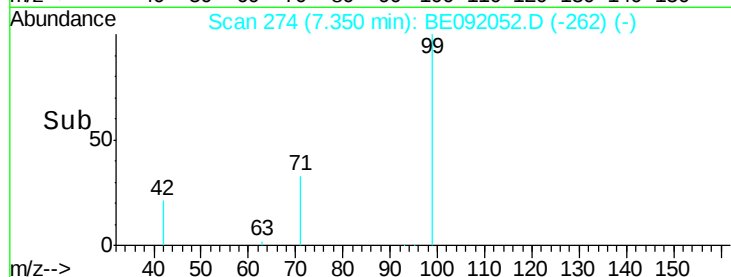
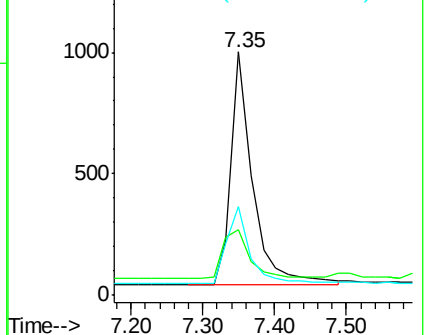
71 36.1 28.9 43.3



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: 0.81 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

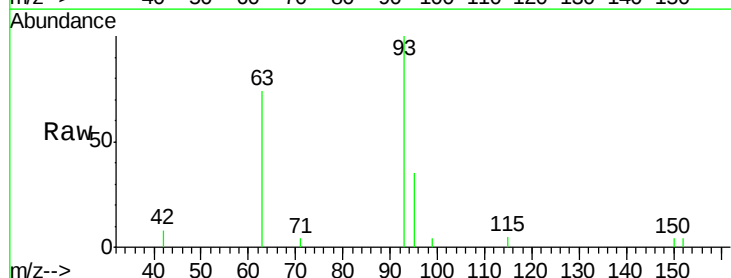
Tgt Ion: 93 Resp: 2134

Ion Ratio Lower Upper

93 100

63 86.4 64.4 96.6

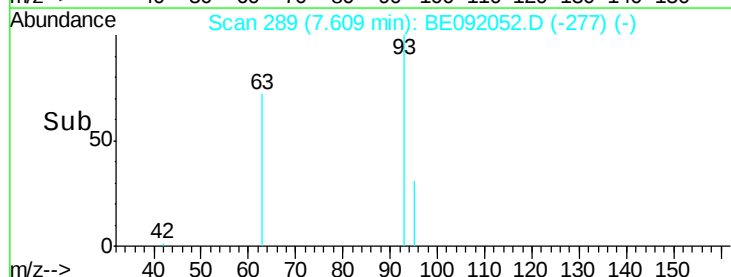
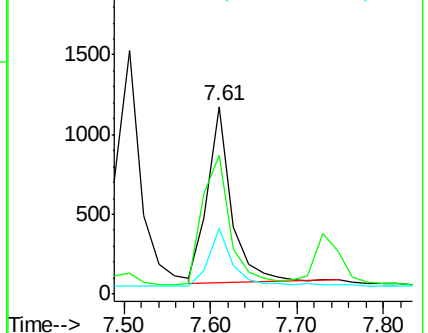
95 34.0 25.8 38.8

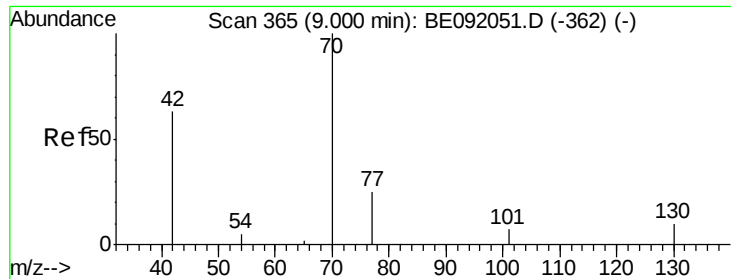


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.81 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tgt Ion: 70 Resp: 1707

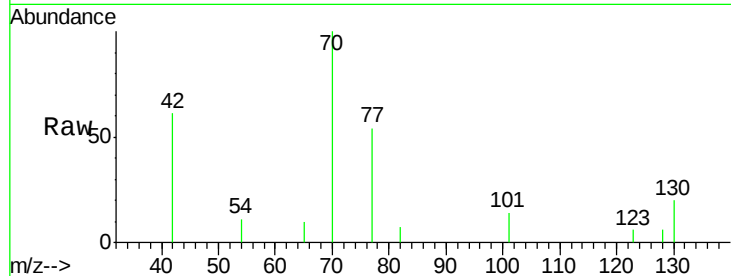
Ion Ratio Lower Upper

70 100

42 76.5 60.2 90.4

101 7.9 6.8 10.2

130 15.5 13.3 19.9

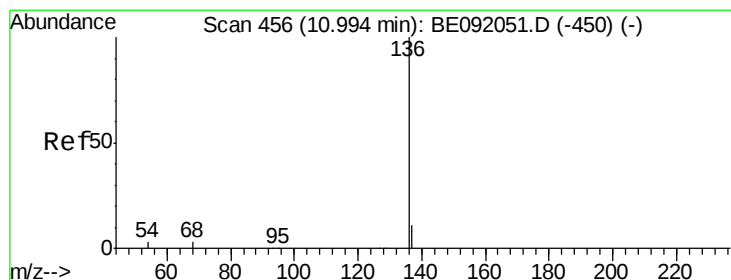
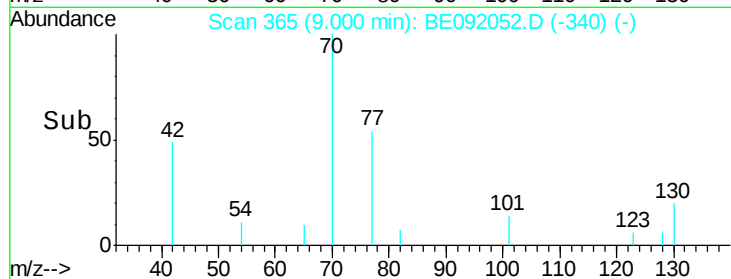
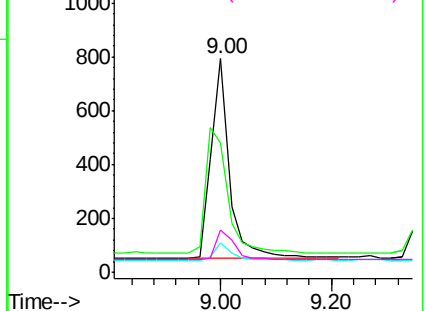


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Tgt Ion: 136 Resp: 43238

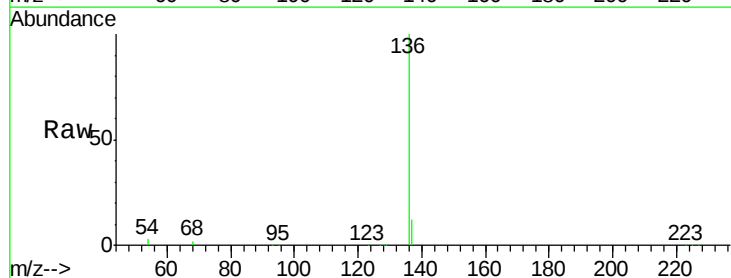
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 3.0 2.7 4.1

68 2.5 2.2 3.4

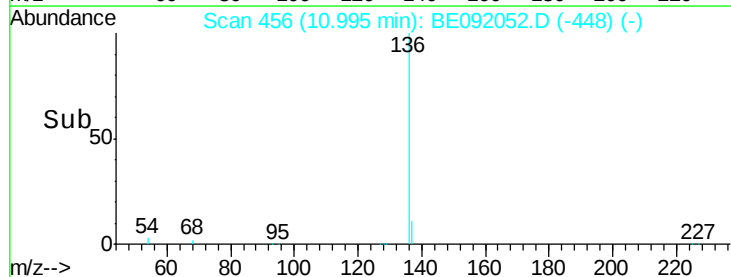
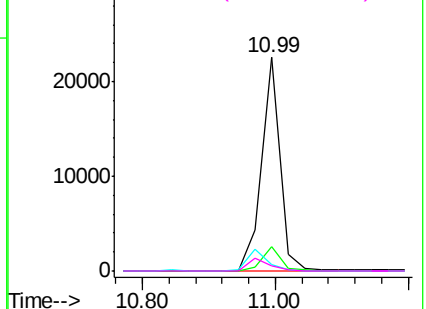


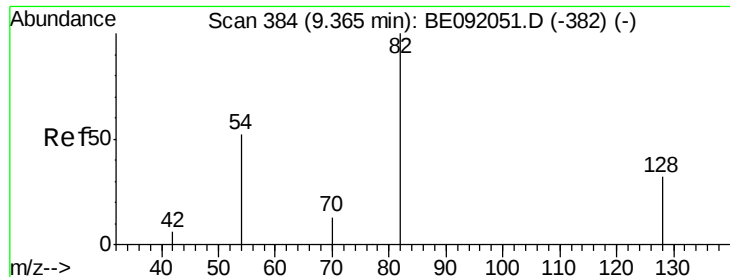
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 0.64 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

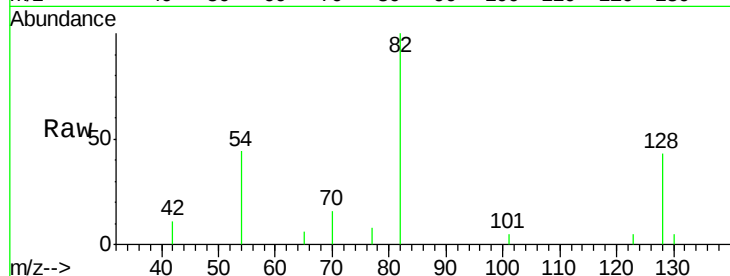
Tgt Ion: 82 Resp: 2258

Ion Ratio Lower Upper

82 100

128 42.9 33.0 49.4

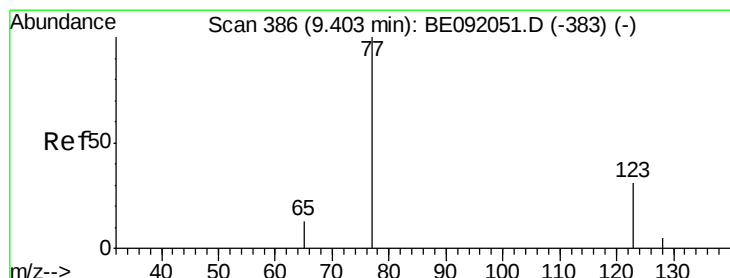
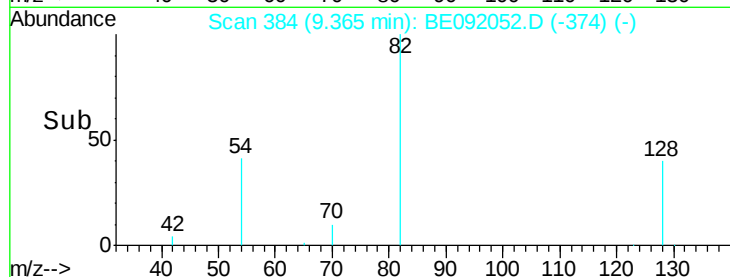
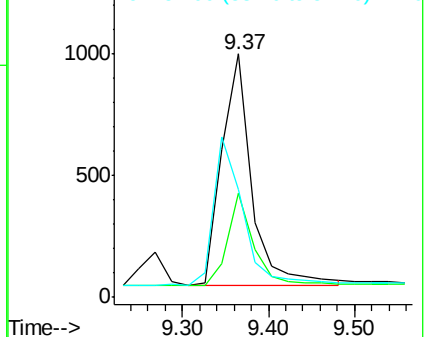
54 44.3 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.88 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

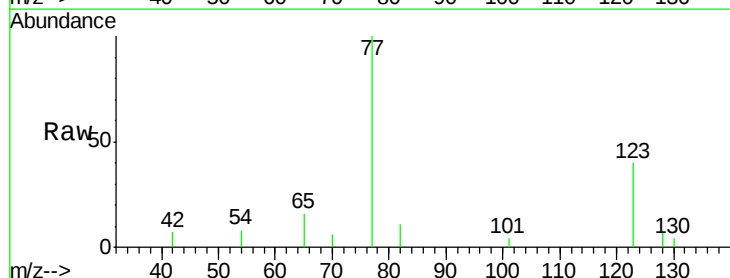
Tgt Ion: 77 Resp: 2421

Ion Ratio Lower Upper

77 100

123 37.1 29.9 44.9

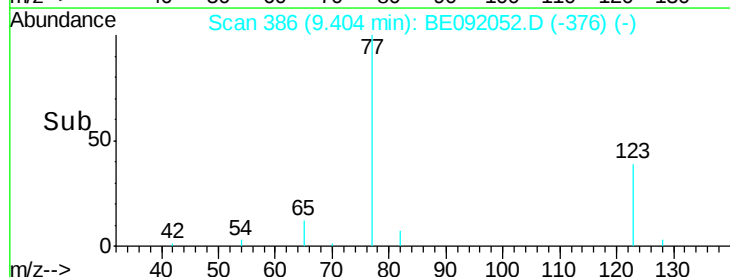
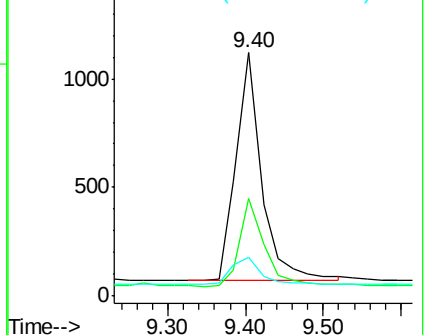
65 13.8 11.4 17.0

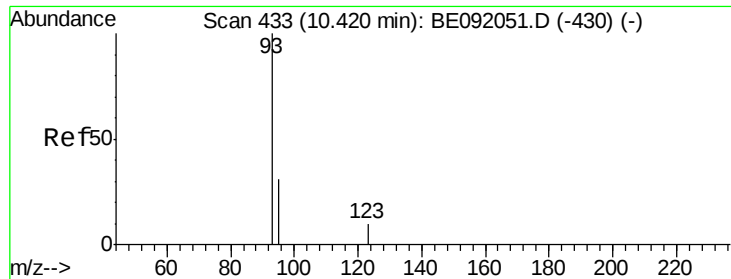


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

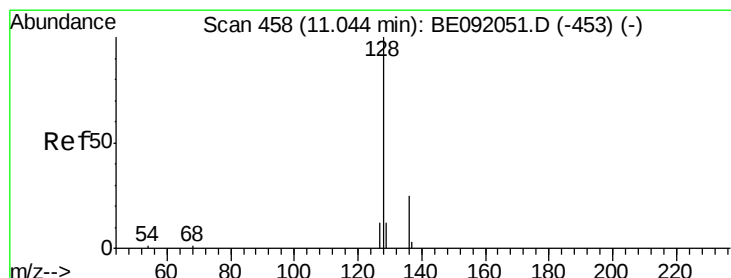
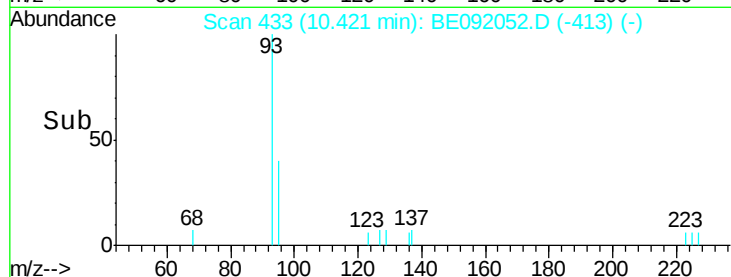
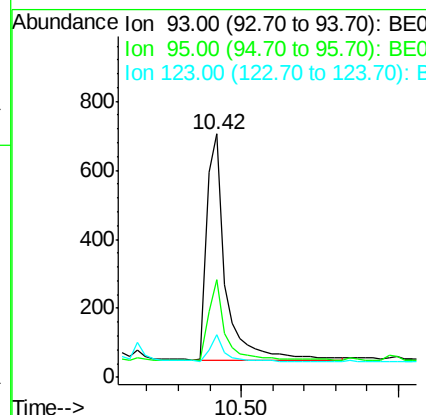
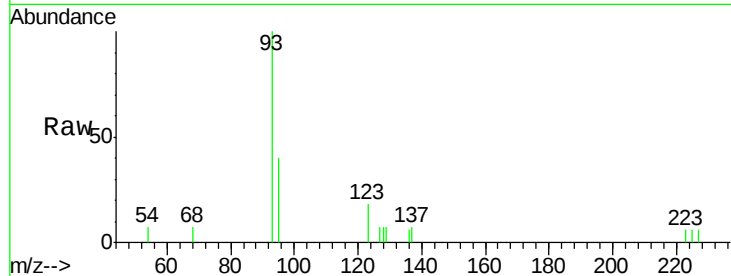




#11
bis(2-Chloroethoxy)methane
Concen: 0.84 ng
RT: 10.42 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

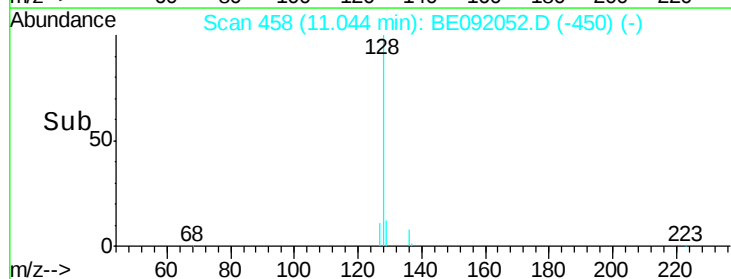
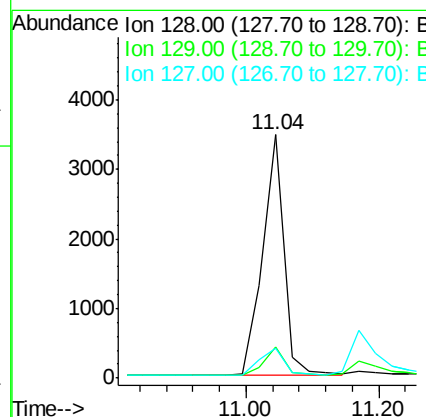
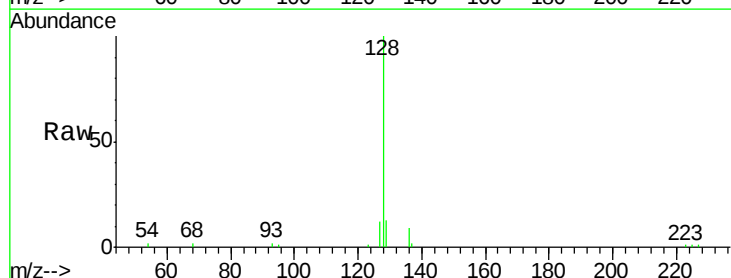
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

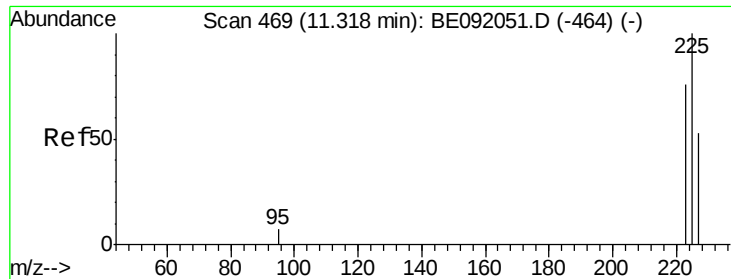
Tgt Ion: 93 Resp: 2672
Ion Ratio Lower Upper
93 100
95 46.5 25.0 37.6#
123 9.1 7.8 11.8



#12
Naphthalene
Concen: 0.75 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Tgt Ion: 128 Resp: 7598
Ion Ratio Lower Upper
128 100
129 12.9 11.1 16.7
127 12.5 11.3 16.9

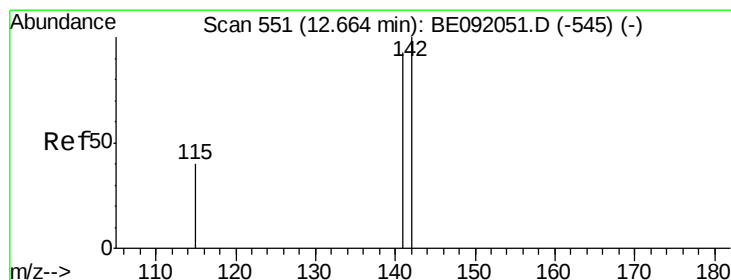
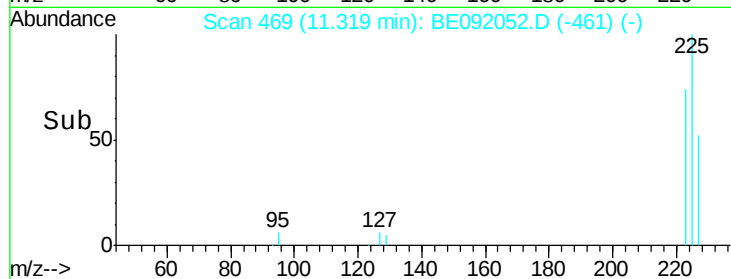
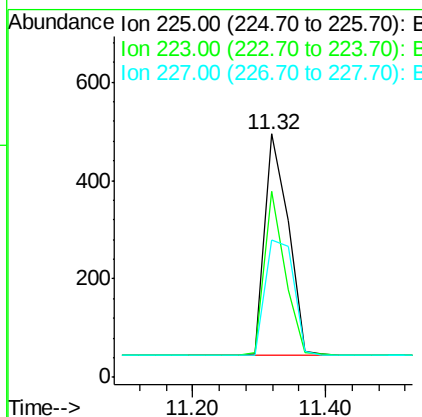
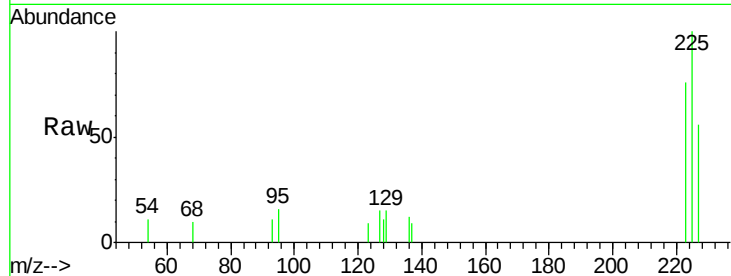




#13
Hexachlorobutadiene
Concen: 0.72 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

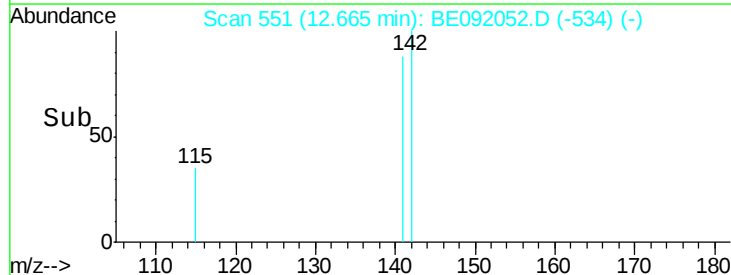
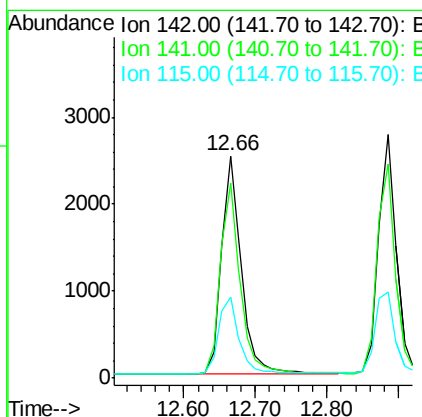
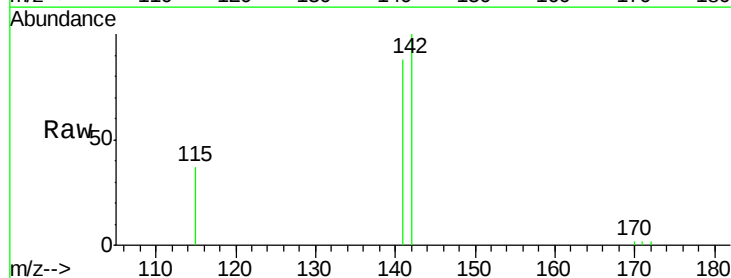
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

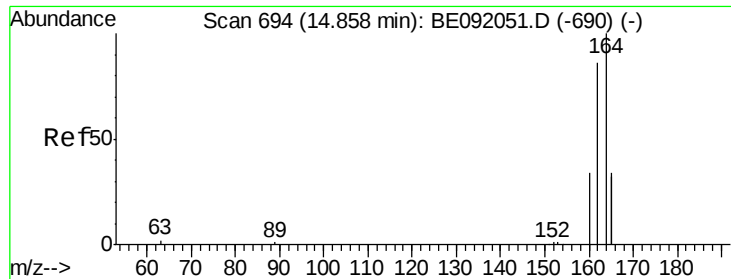
Tgt Ion: 225 Resp: 1109
Ion Ratio Lower Upper
225 100
223 64.7 51.9 77.9
227 63.3 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.77 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Tgt Ion: 142 Resp: 4795
Ion Ratio Lower Upper
142 100
141 87.7 65.1 97.7
115 36.5 27.0 40.4





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

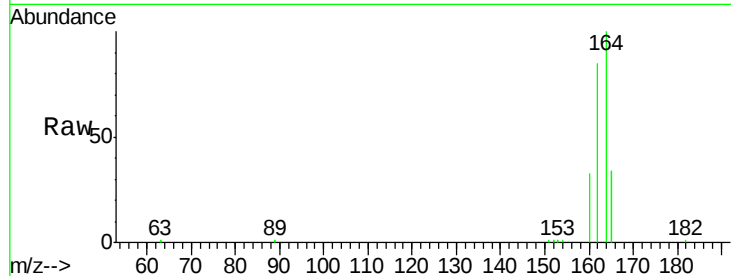
Tgt Ion:164 Resp: 19387

Ion Ratio Lower Upper

164 100

162 84.8 69.5 104.3

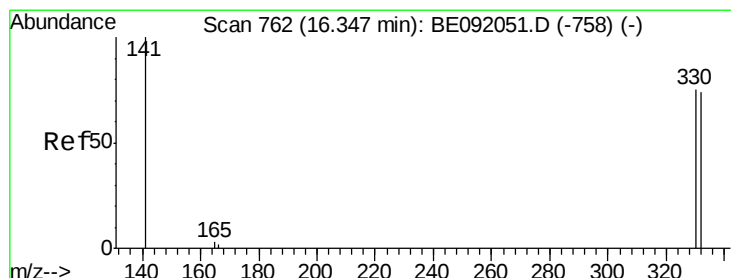
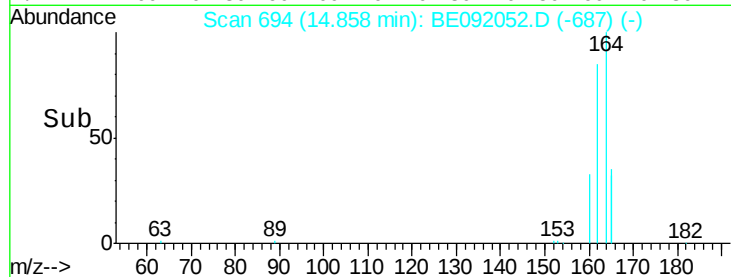
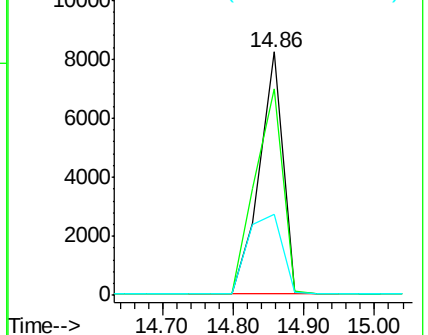
160 33.3 27.6 41.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.81 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

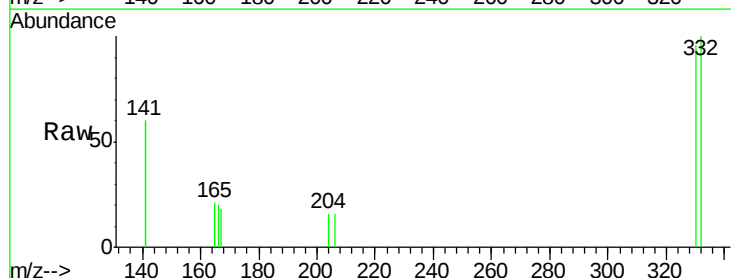
Tgt Ion:330 Resp: 493

Ion Ratio Lower Upper

330 100

332 94.7 74.2 111.4

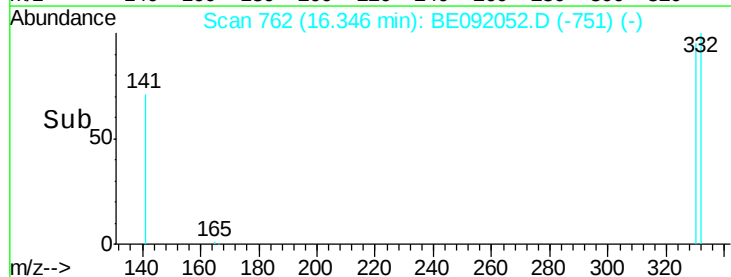
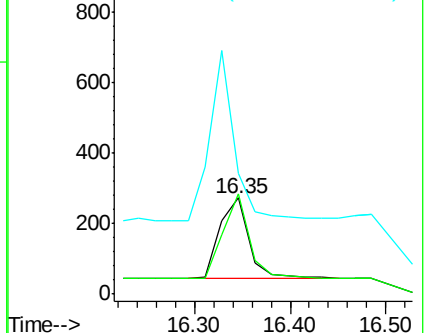
141 176.9 139.8 209.8

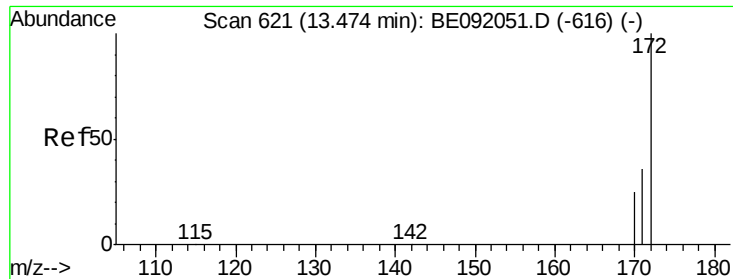


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

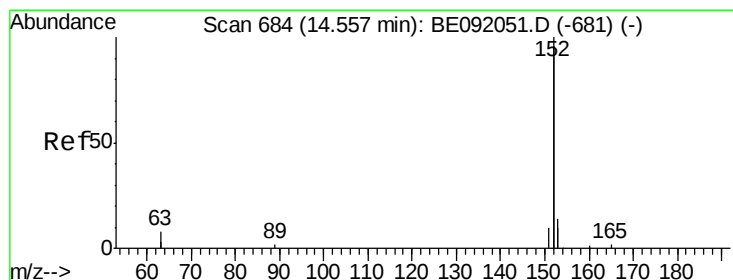
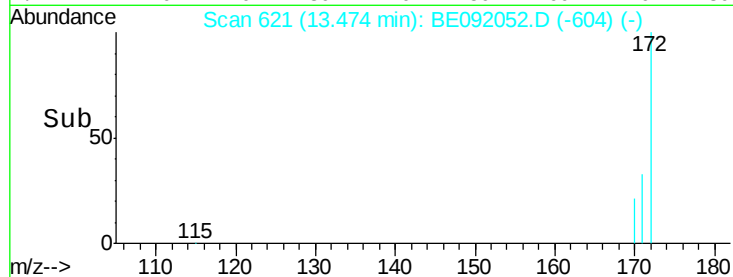
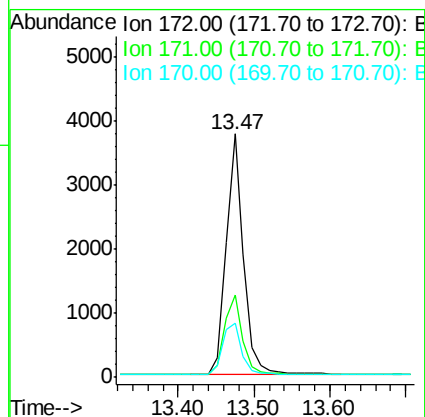
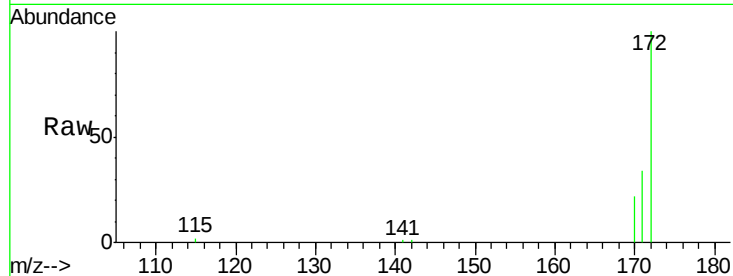




#17
2-Fluorobiphenyl
Concen: 0.74 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

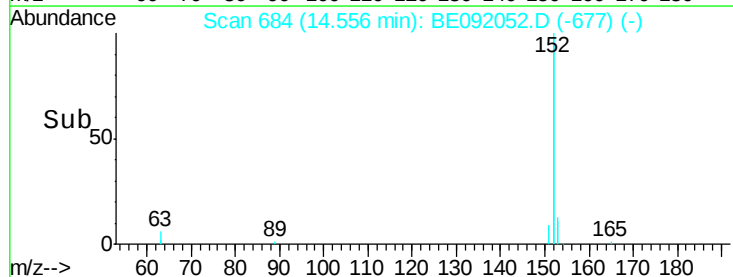
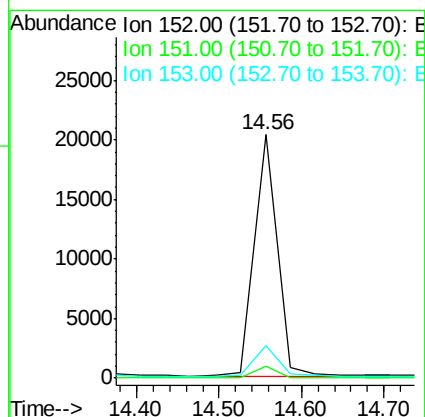
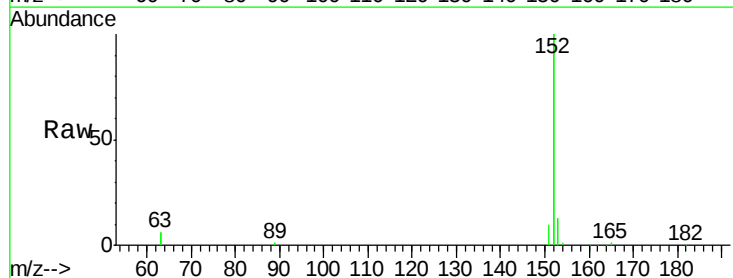
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

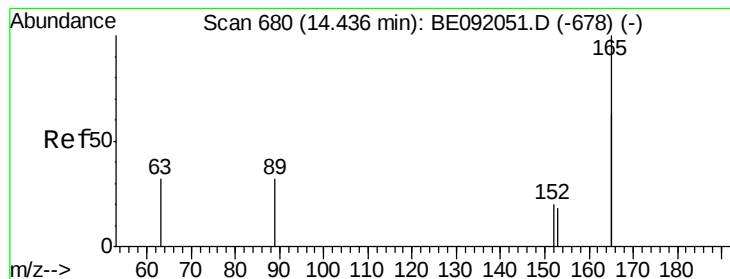
Tgt Ion:172 Resp: 6066
Ion Ratio Lower Upper
172 100
171 33.7 30.3 45.5
170 22.2 21.6 32.4



#18
Acenaphthylene
Concen: 0.81 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Tgt Ion:152 Resp: 38807
Ion Ratio Lower Upper
152 100
151 4.7 4.0 6.0
153 12.7 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 1.03 ng

RT: 14.44 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

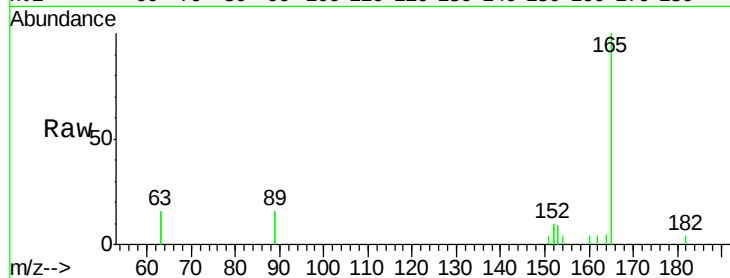
Tgt Ion:165 Resp: 4752

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

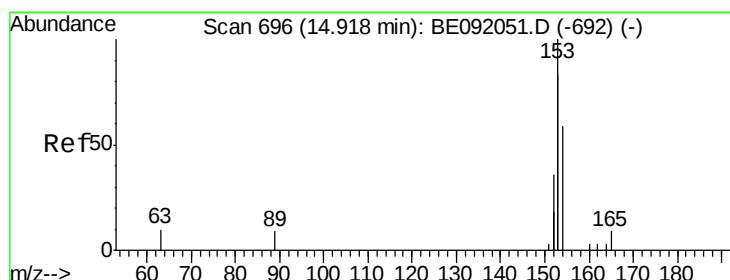
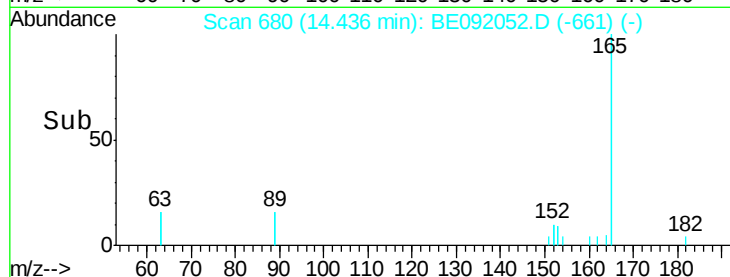
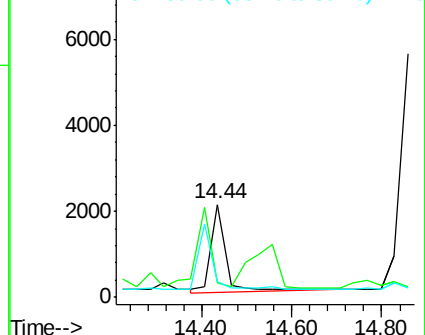
89 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.69 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

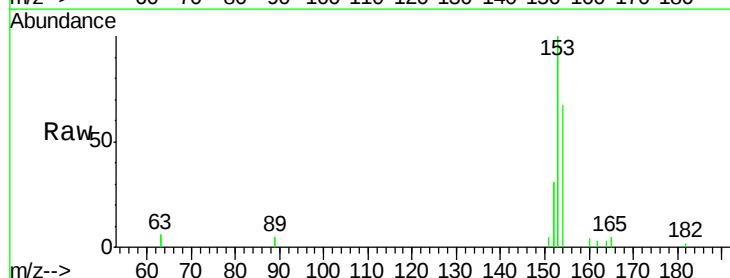
Tgt Ion:154 Resp: 3949

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

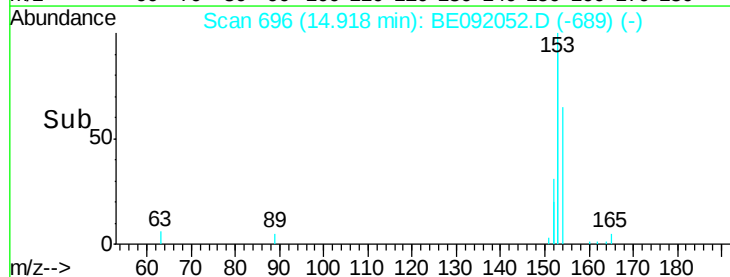
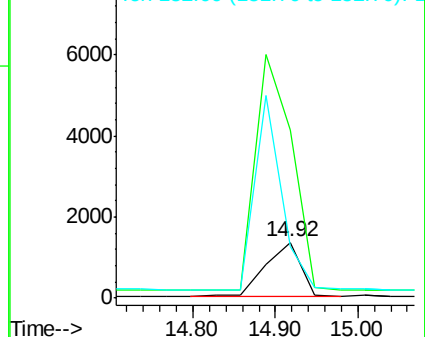
152 0.0 0.0 0.0

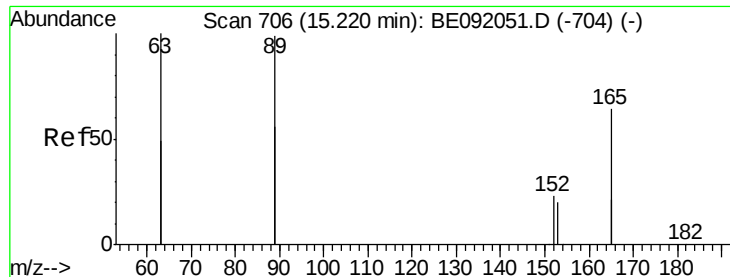


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

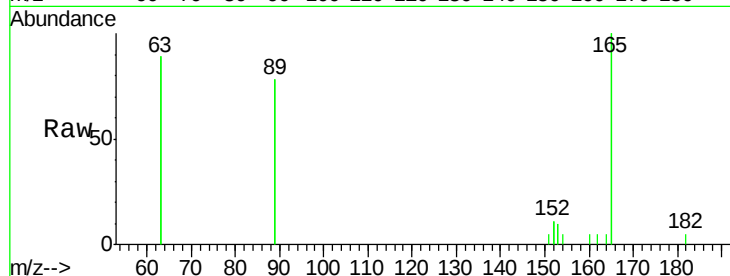




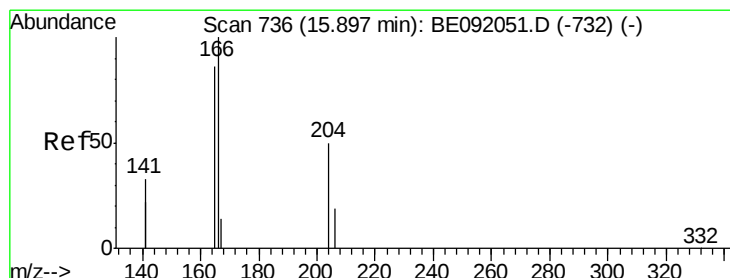
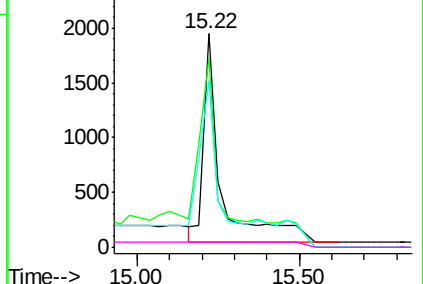
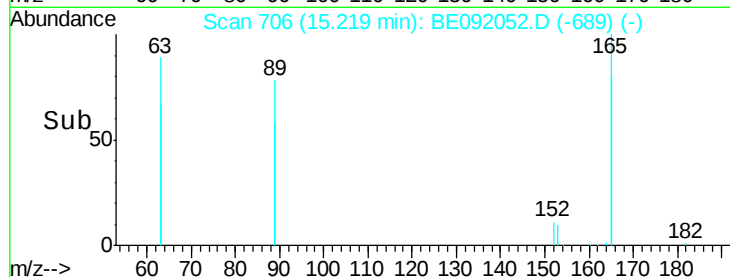
#21
2,4-Dinitrotoluene
Concen: 1.72 ng
RT: 15.22 min Scan# 706
Delta R.T. -0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion:165 Resp: 6779
Ion Ratio Lower Upper
165 100
63 169.8 324.0 486.0#
89 60.0 308.4 462.6#
182 0.0 0.0 0.0

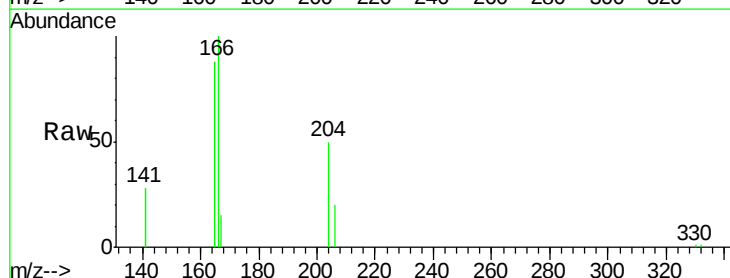


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

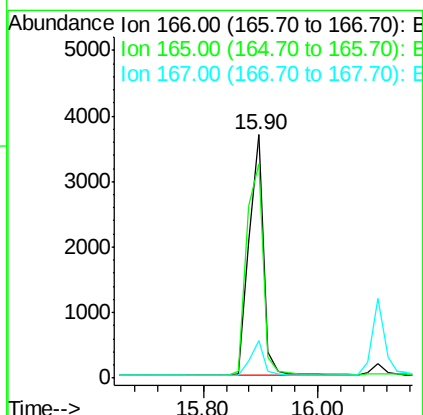
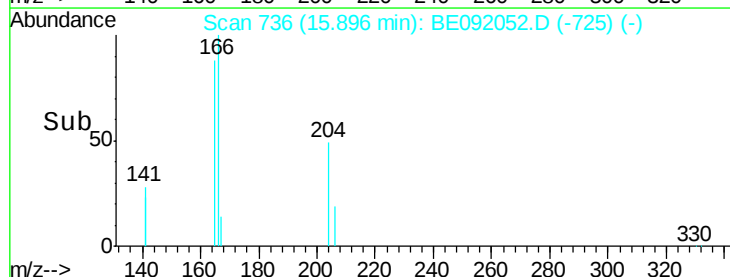


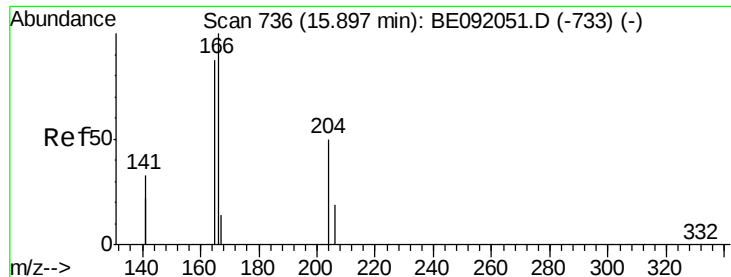
#22
Fluorene
Concen: 0.77 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Tgt Ion:166 Resp: 6478
Ion Ratio Lower Upper
166 100
165 100.5 78.6 118.0
167 13.4 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

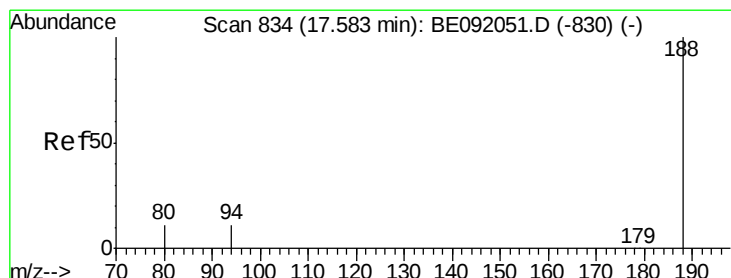
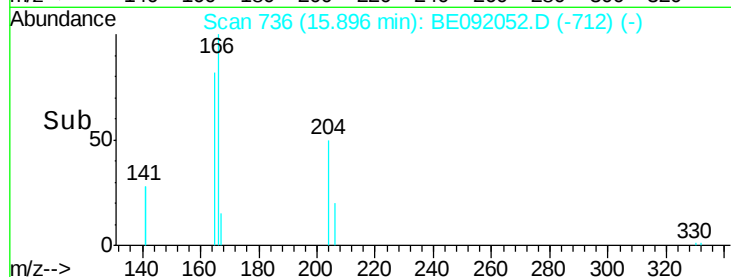
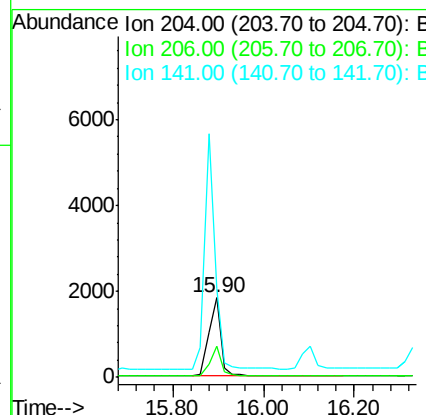
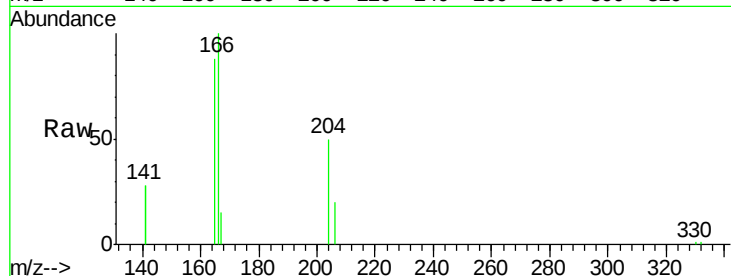




#23
4-Chlorophenyl-phenylether
Concen: 0.73 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

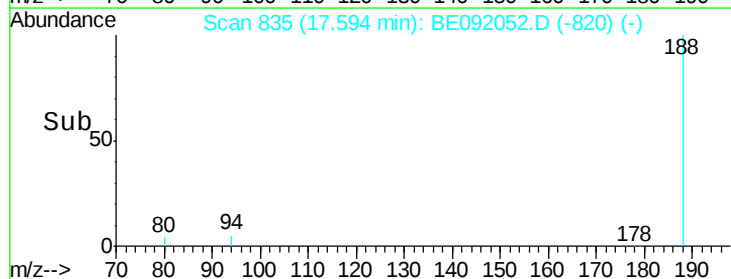
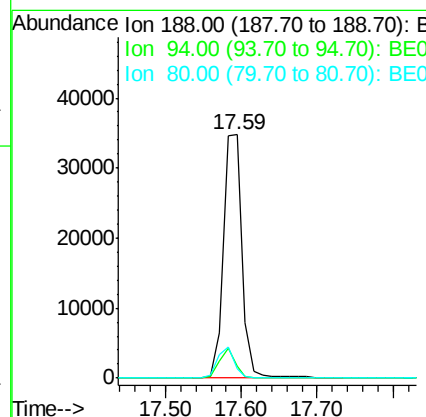
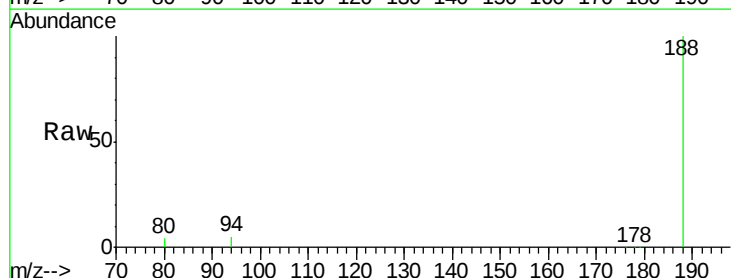
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

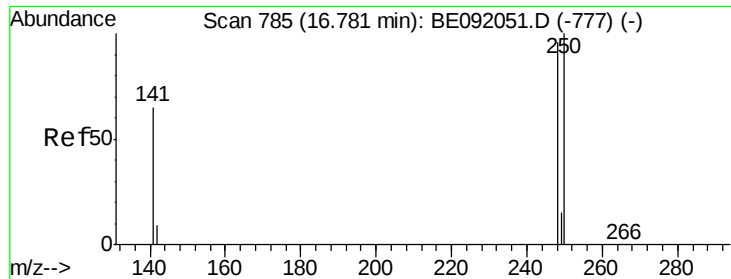
Tgt Ion: 204 Resp: 3179
Ion Ratio Lower Upper
204 100
206 34.1 27.0 40.4
141 267.3 198.5 297.7



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.01 min
Lab File: BE092052.D
Acq: 27 Jul 2016 12:00

Tgt Ion: 188 Resp: 59809
Ion Ratio Lower Upper
188 100
94 4.7 3.9 5.9
80 3.9 3.4 5.0





#25

4-Bromophenyl-phenylether

Concen: 0.74 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

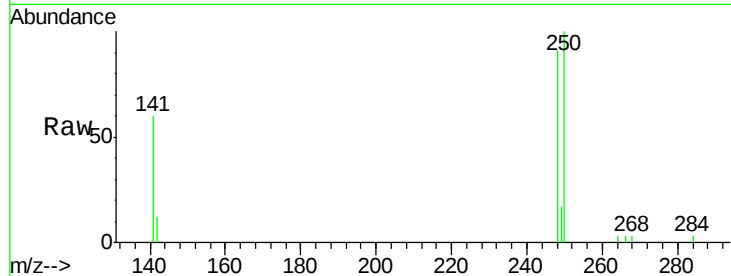
Tgt Ion:248 Resp: 1911

Ion Ratio Lower Upper

248 100

250 98.3 79.6 119.4

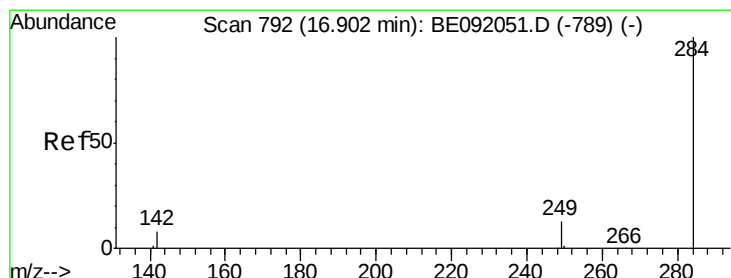
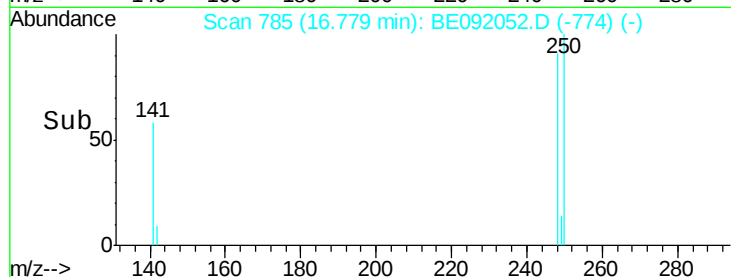
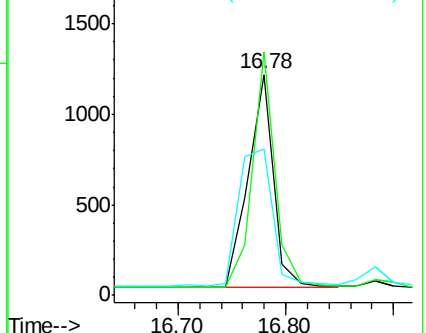
141 85.9 68.7 103.1



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: 0.76 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

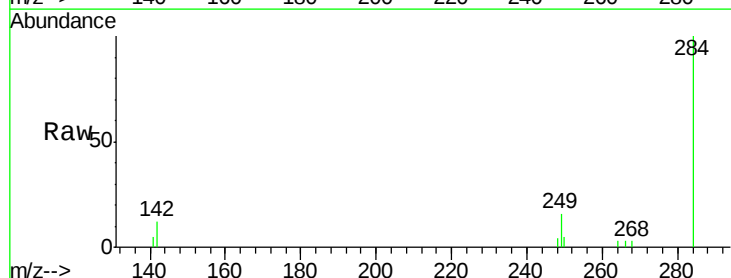
Tgt Ion:284 Resp: 2038

Ion Ratio Lower Upper

284 100

142 42.1 33.3 49.9

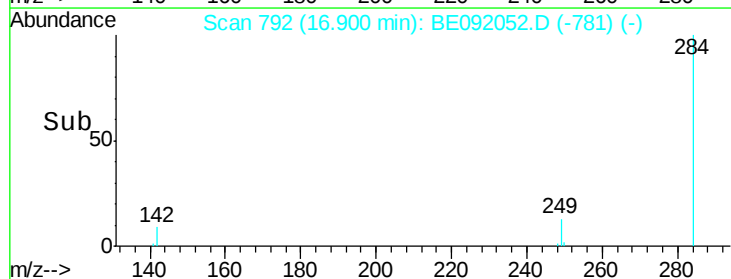
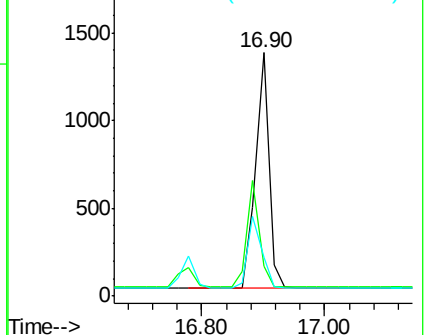
249 31.6 25.4 38.0

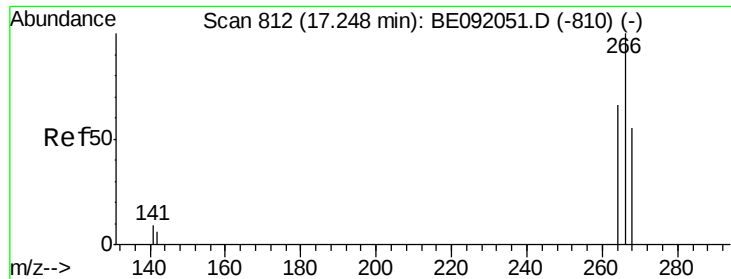


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.95 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

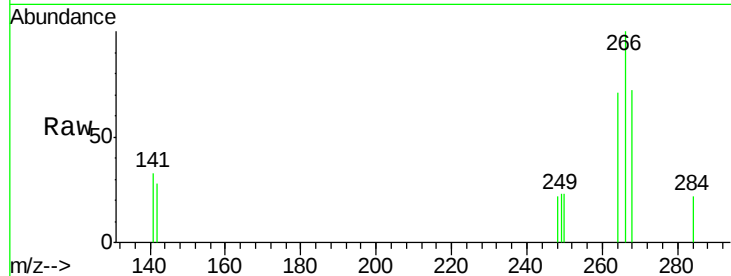
Tgt Ion:266 Resp: 380

Ion Ratio Lower Upper

266 100

268 71.8 62.7 94.1

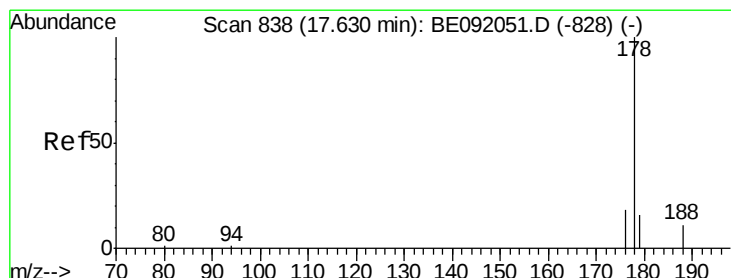
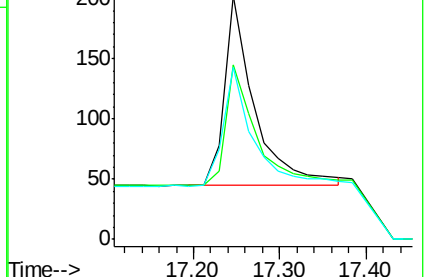
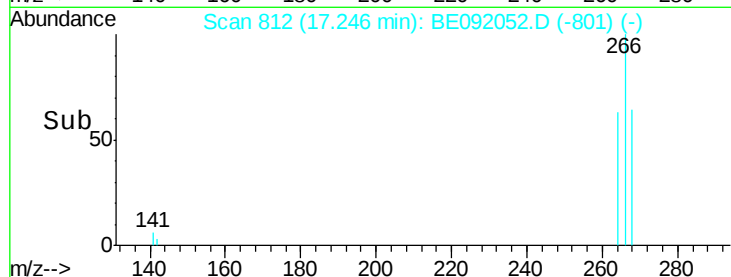
264 70.8 63.5 95.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 0.73 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

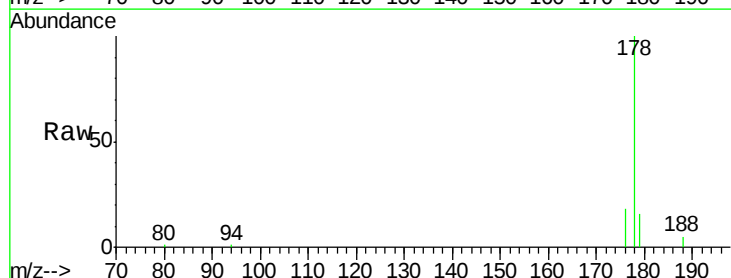
Tgt Ion:178 Resp: 11918

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

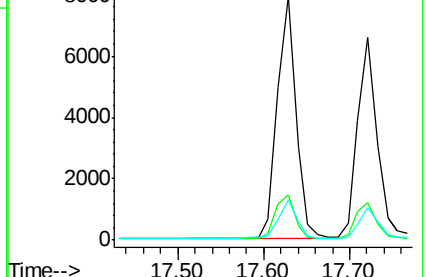
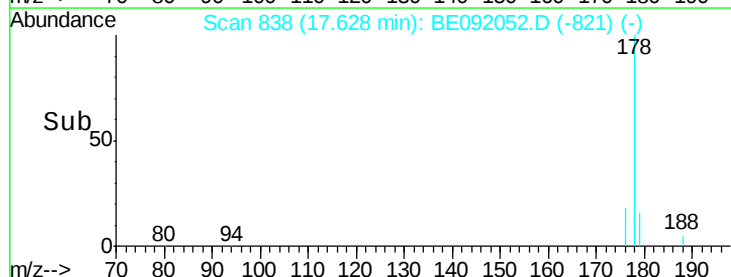
179 15.7 12.7 19.1

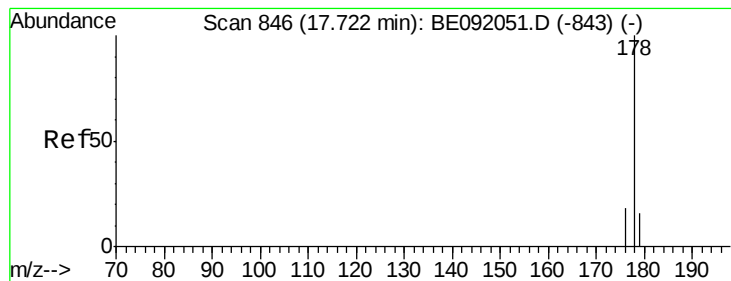


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.76 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

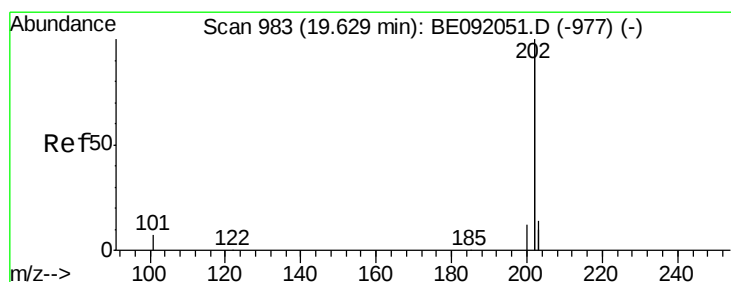
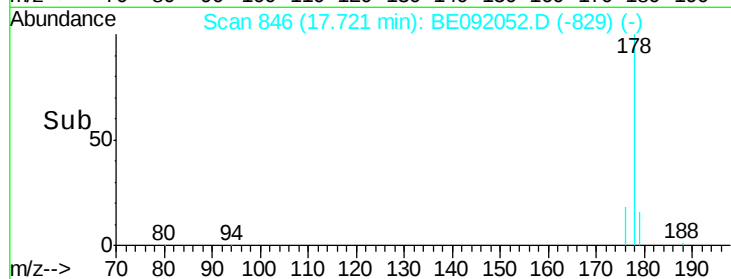
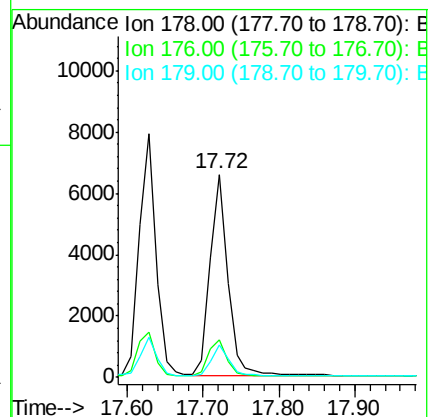
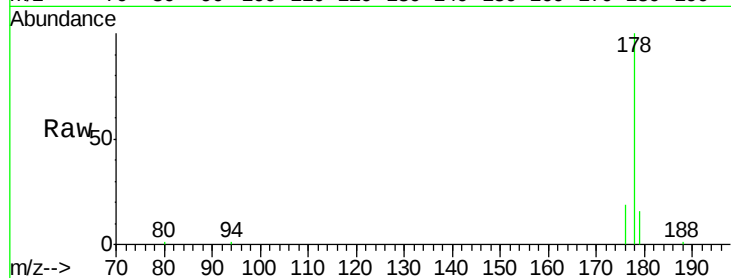
Tgt Ion:178 Resp: 10547

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.1 12.2 18.4



#30

Fluoranthene

Concen: 0.73 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

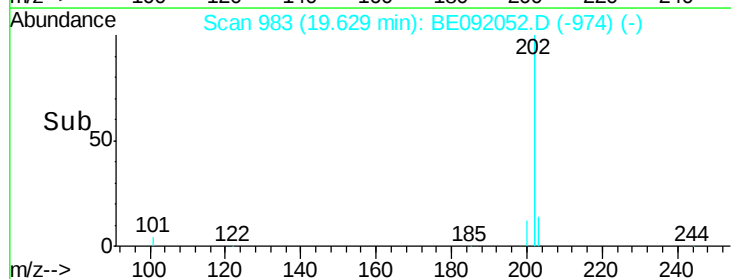
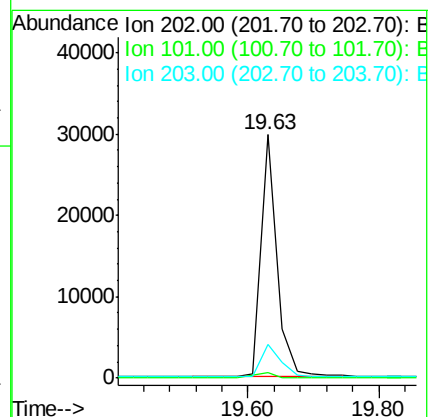
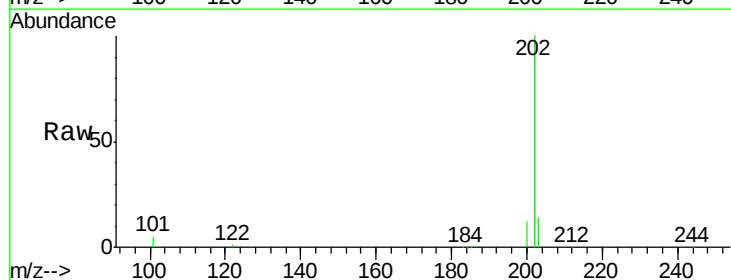
Tgt Ion:202 Resp: 51017

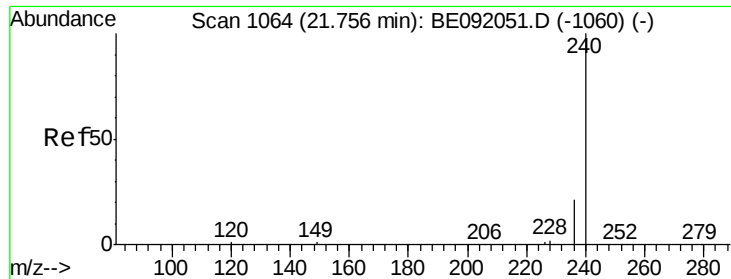
Ion Ratio Lower Upper

202 100

101 2.7 2.2 3.2

203 16.1 13.0 19.4





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

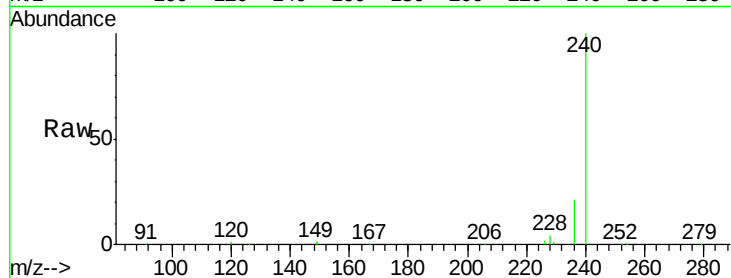
Tgt Ion:240 Resp: 52743

Ion Ratio Lower Upper

240 100

120 0.9 0.6 1.0

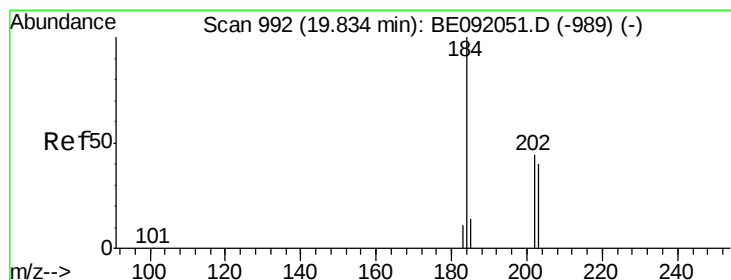
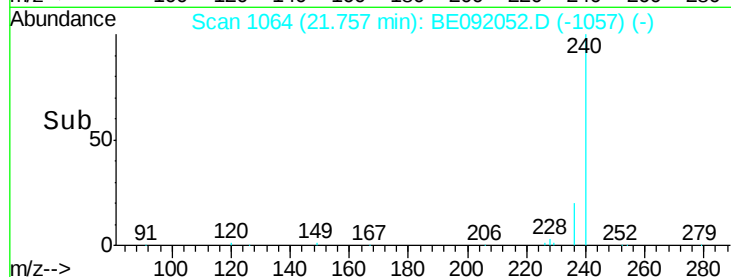
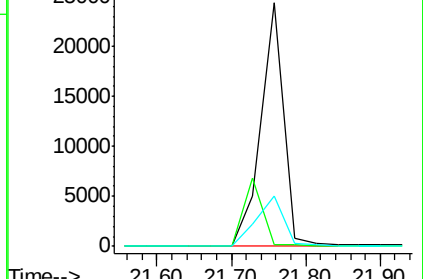
236 20.6 18.2 27.4



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: 1.07 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

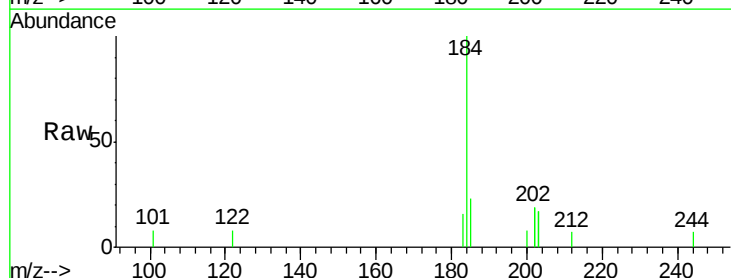
Tgt Ion:184 Resp: 1887

Ion Ratio Lower Upper

184 100

185 22.5 23.8 35.6#

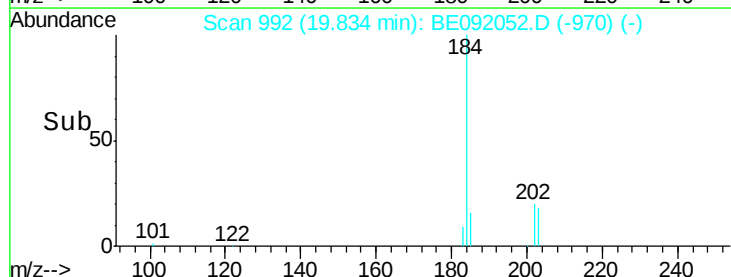
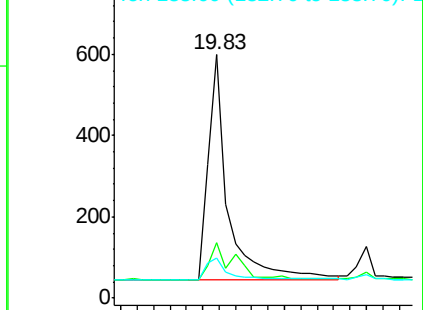
183 16.4 20.7 31.1#

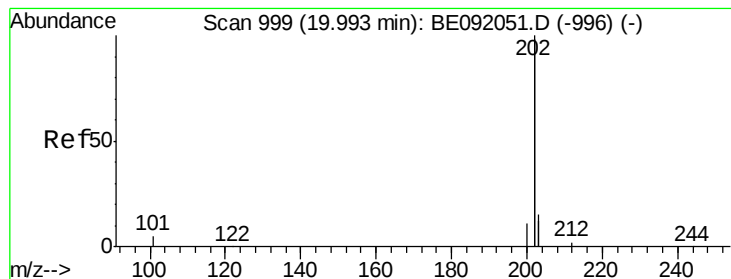


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.95 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

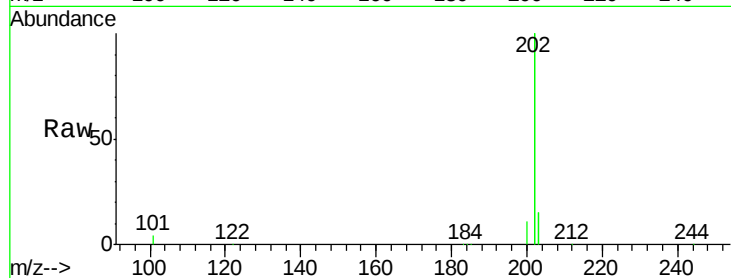
Tgt Ion:202 Resp: 59560

Ion Ratio Lower Upper

202 100

200 5.2 4.4 6.6

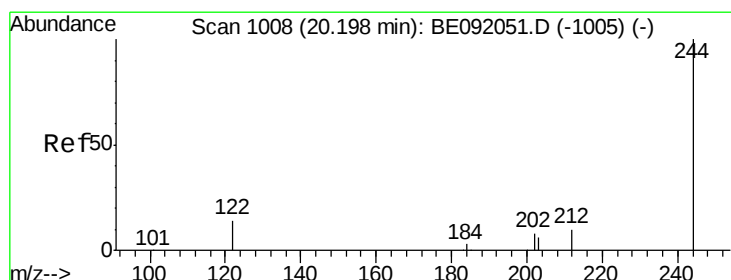
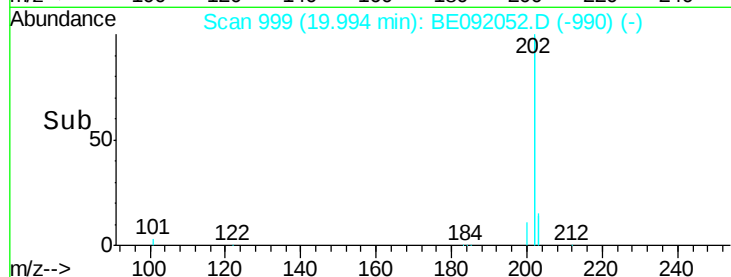
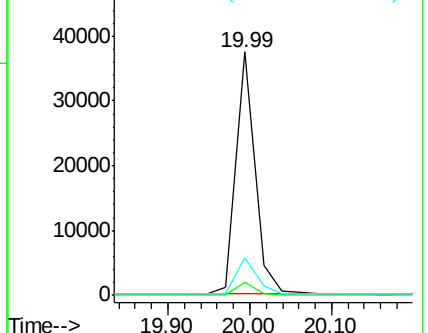
203 16.3 13.4 20.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.75 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

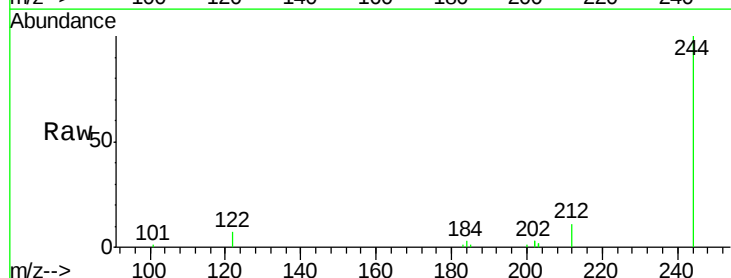
Tgt Ion:244 Resp: 8238

Ion Ratio Lower Upper

244 100

212 10.7 9.1 13.7

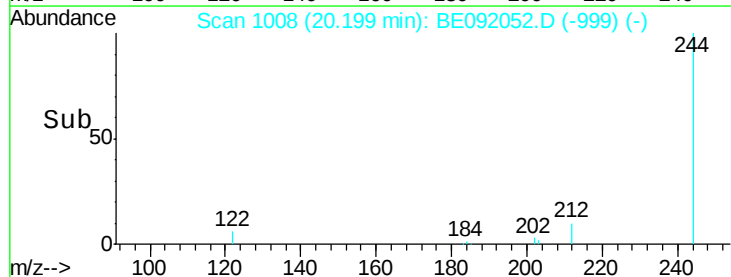
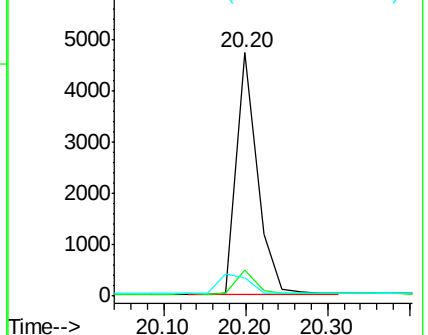
122 7.4 11.0 16.4#

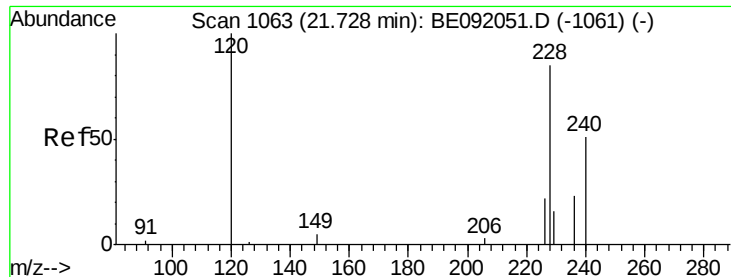


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.09 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

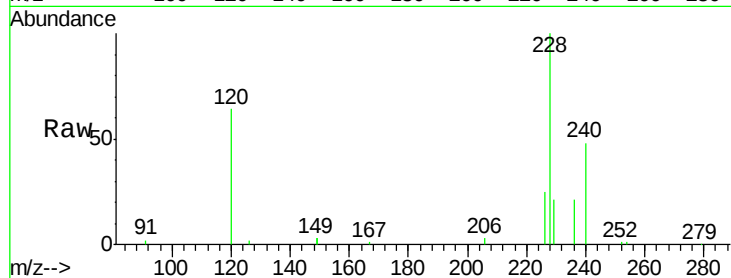
Tgt Ion: 228 Resp: 35502

Ion Ratio Lower Upper

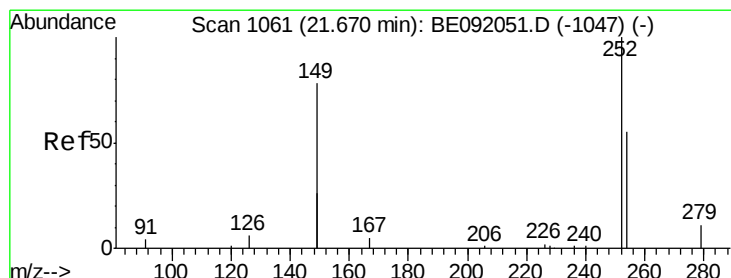
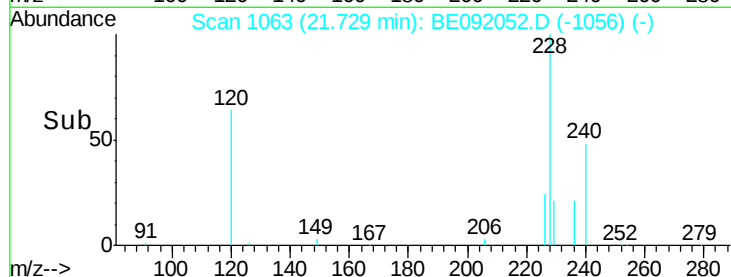
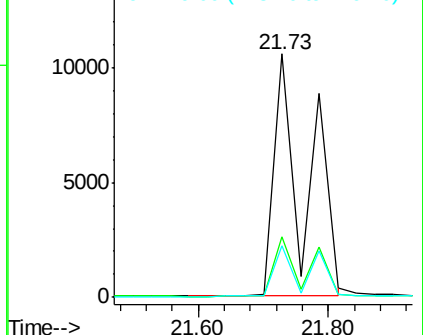
228 100

226 24.7 22.1 33.1

229 21.2 15.1 22.7



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



#36

3,3'-Dichlorobenzidine

Concen: 1.20 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

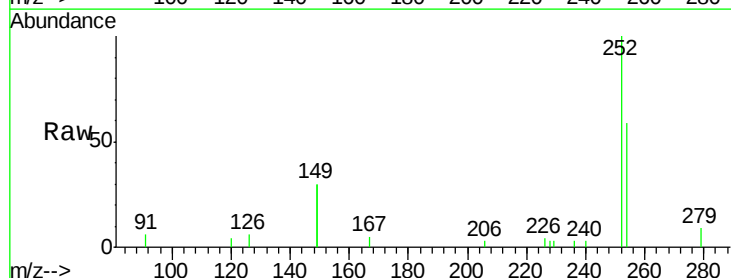
Tgt Ion: 252 Resp: 3347

Ion Ratio Lower Upper

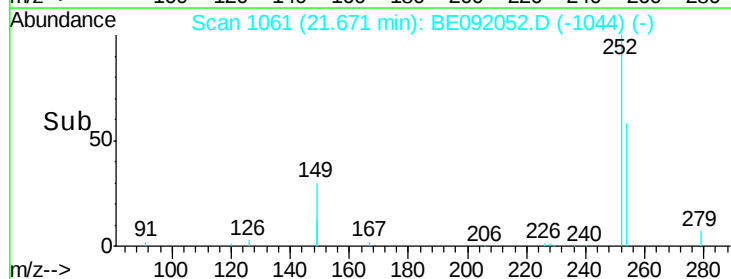
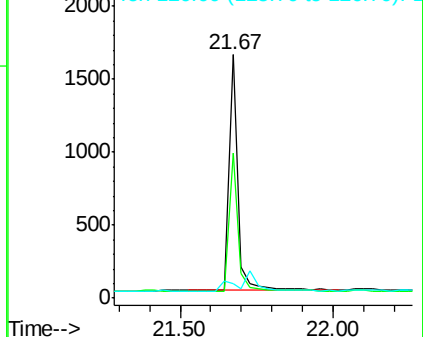
252 100

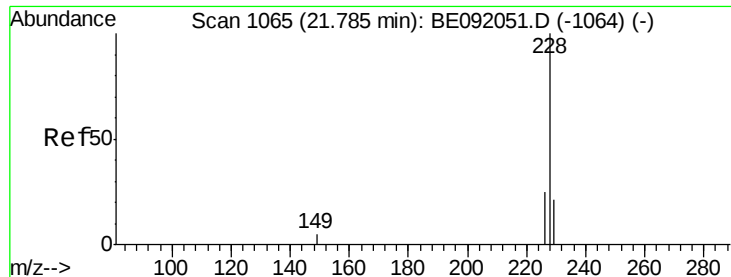
254 59.4 44.2 66.2

126 6.0 10.6 15.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.99 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

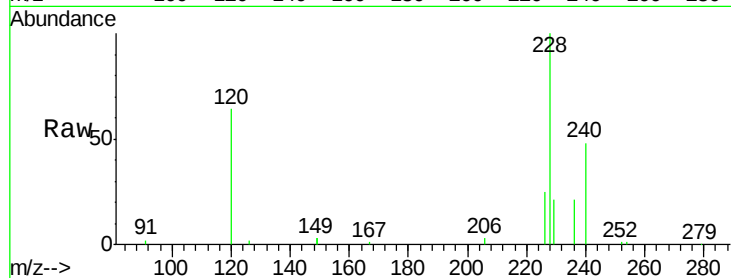
Tgt Ion:228 Resp: 35863

Ion Ratio Lower Upper

228 100

226 24.7 22.3 33.5

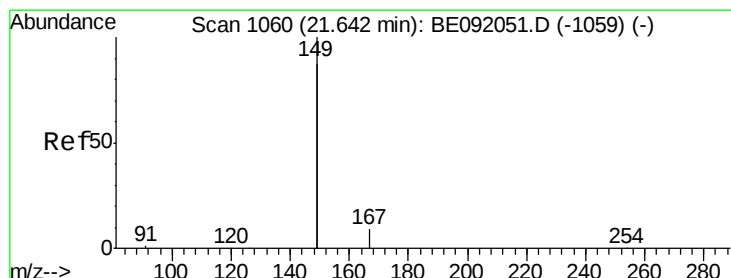
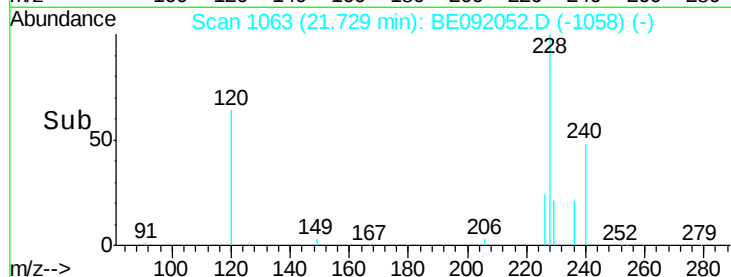
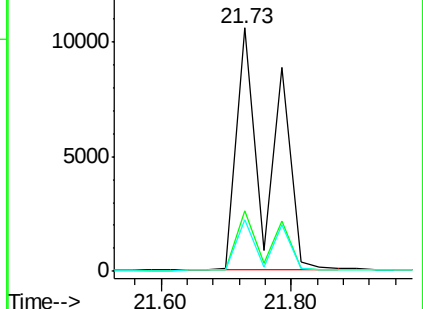
229 21.2 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.61 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

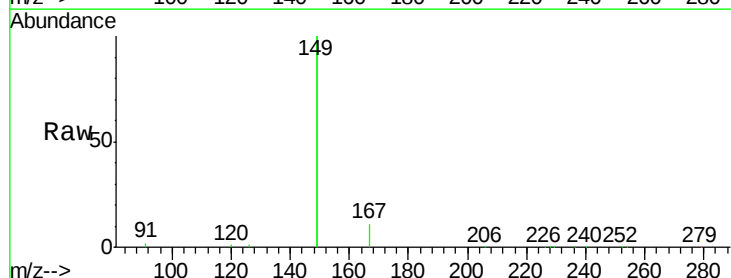
Tgt Ion:149 Resp: 39956

Ion Ratio Lower Upper

149 100

167 5.4 3.8 5.6

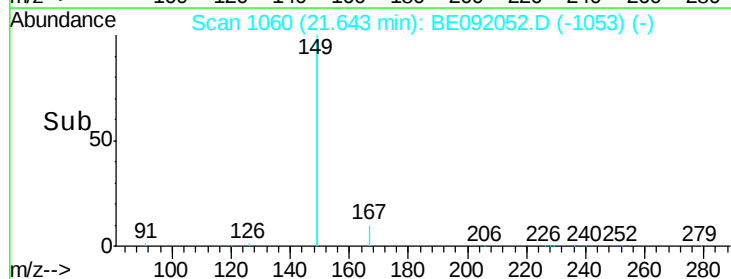
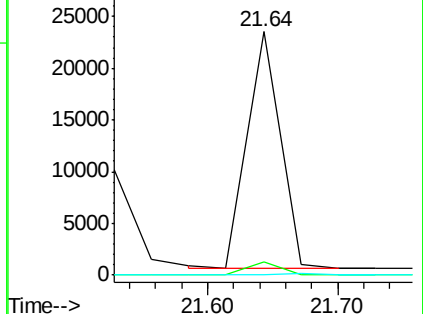
279 0.0 0.0 0.0

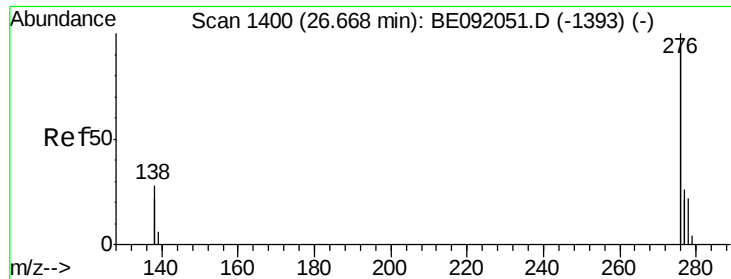


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

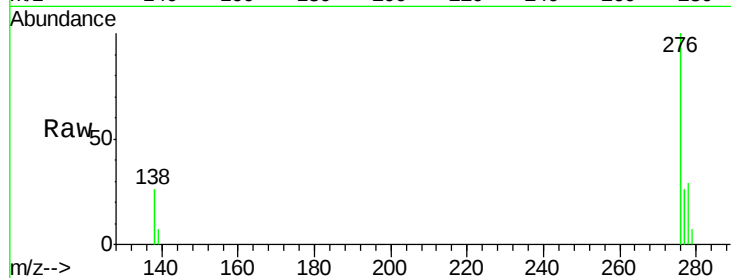




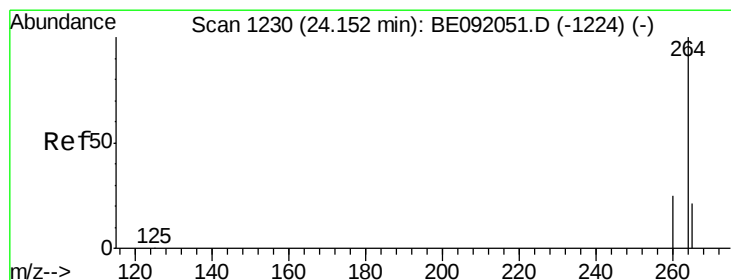
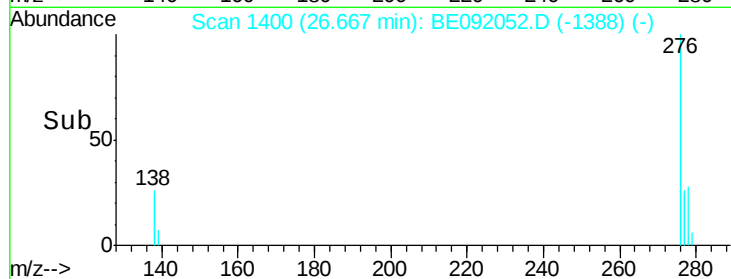
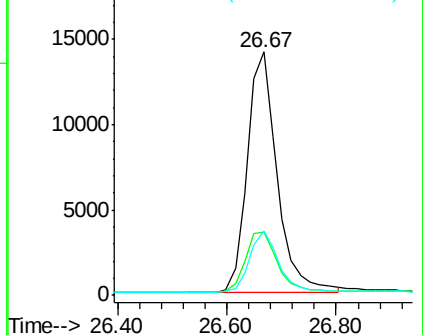
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.93 ng
 RT: 26.67 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BE092052.D
 Acq: 27 Jul 2016 12:00

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 276 Resp: 53088
 Ion Ratio Lower Upper
 276 100
 138 27.0 21.2 31.8
 277 24.9 19.8 29.8

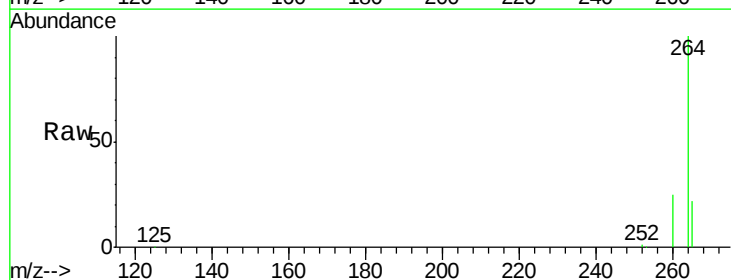


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

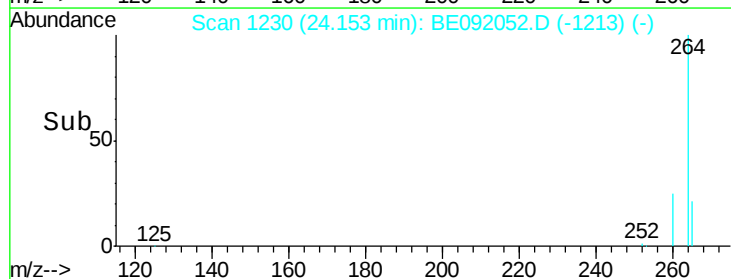
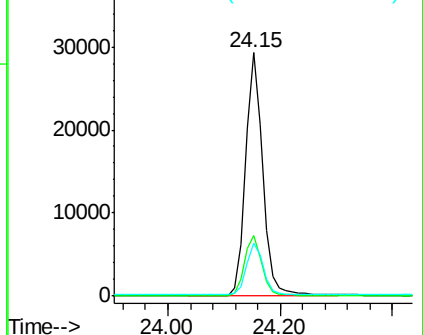


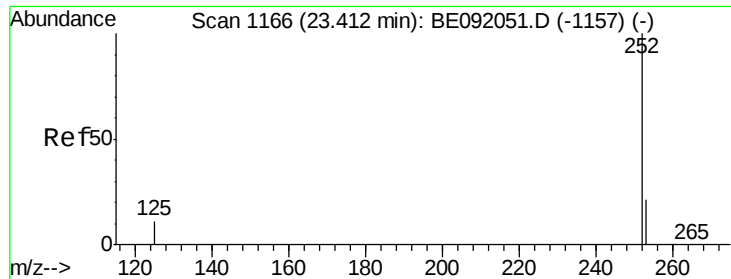
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: BE092052.D
 Acq: 27 Jul 2016 12:00

Tgt Ion: 264 Resp: 63028
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.8 31.2
 265 21.7 16.6 25.0



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





#41

Benzo(b)fluoranthene

Concen: 0.46 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

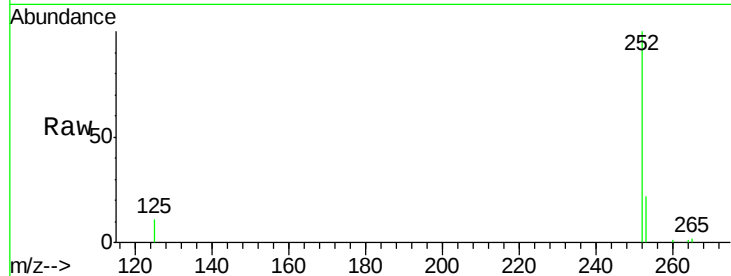
Tgt Ion:252 Resp: 14023

Ion Ratio Lower Upper

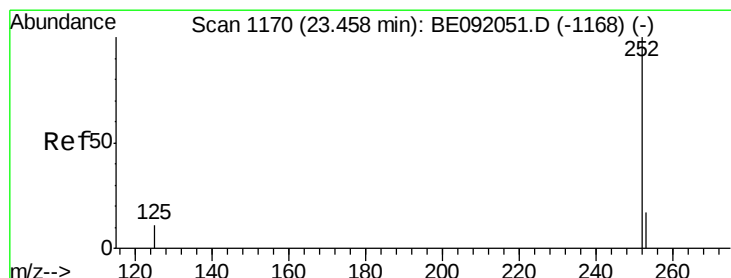
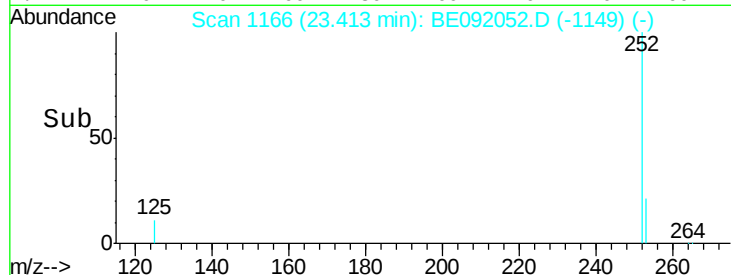
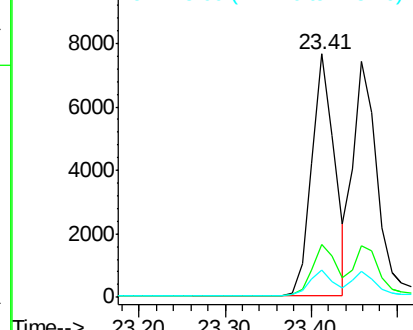
252 100

253 21.6 17.4 26.0

125 11.3 10.2 15.2



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



#42

Benzo(k)fluoranthene

Concen: 0.50 ng

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

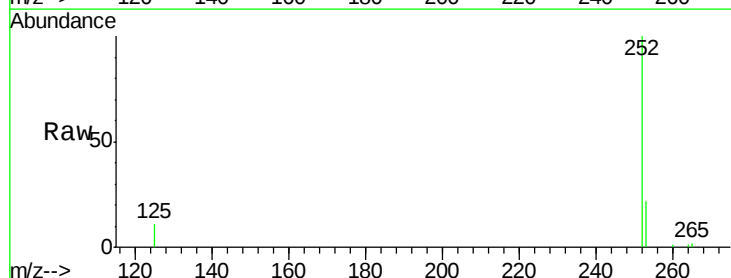
Tgt Ion:252 Resp: 14455

Ion Ratio Lower Upper

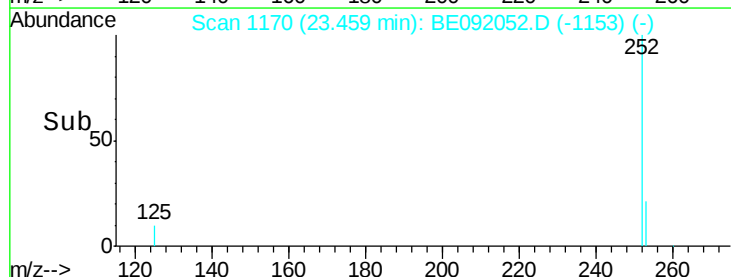
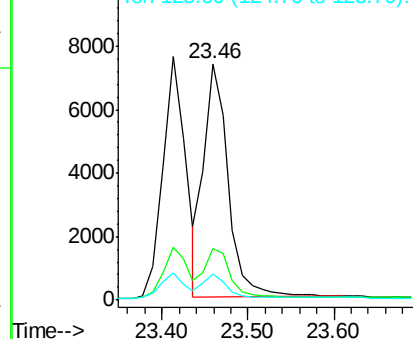
252 100

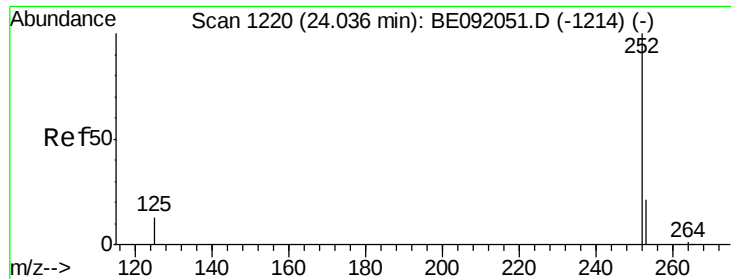
253 21.9 19.4 29.0

125 11.2 8.9 13.3



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





#43

Benzo(a)pyrene

Concen: 0.60 ng

RT: 24.04 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

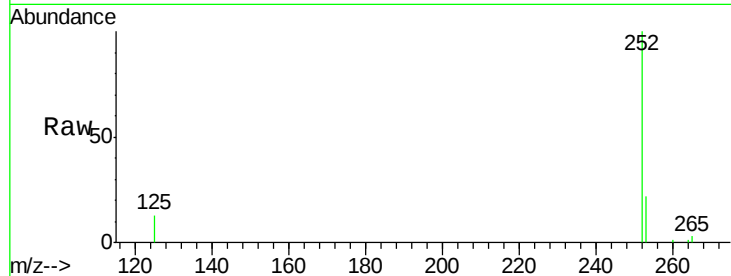
Tgt Ion: 252 Resp: 11946

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

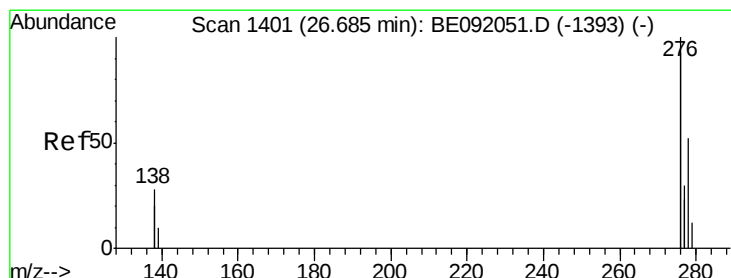
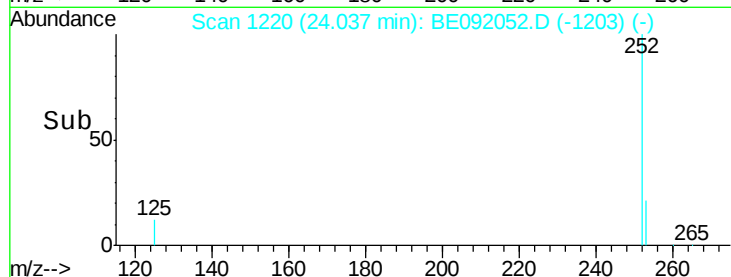
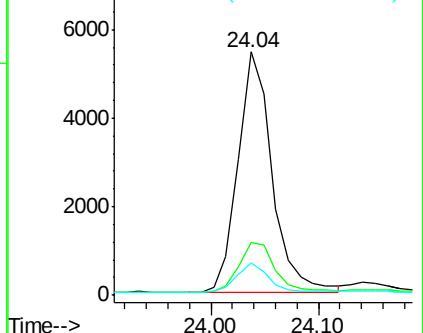
125 13.1 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.80 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092052.D

Acq: 27 Jul 2016 12:00

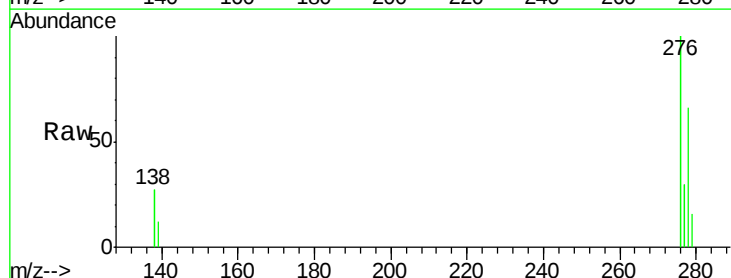
Tgt Ion: 278 Resp: 10902

Ion Ratio Lower Upper

278 100

139 18.1 16.7 25.1

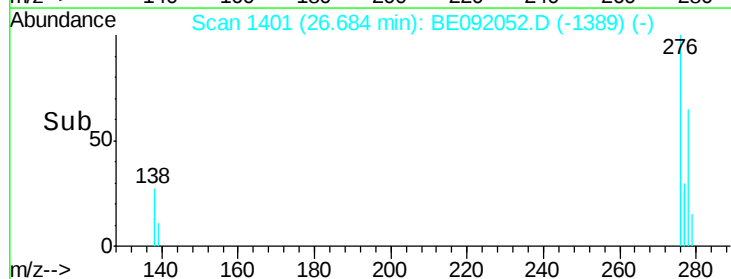
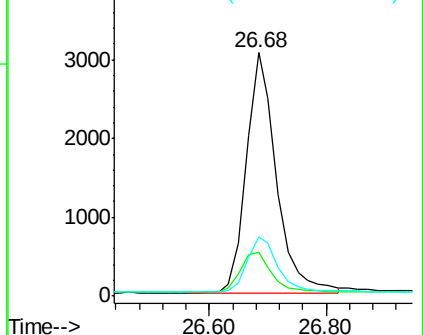
279 24.5 20.3 30.5

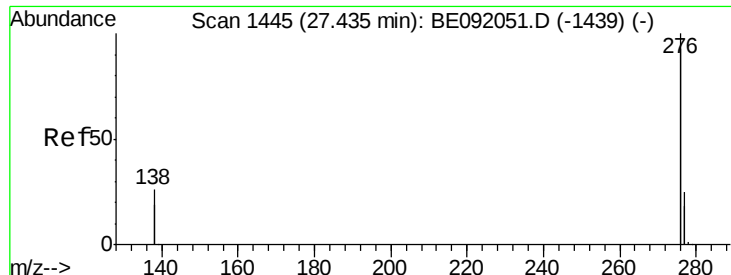


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 0.78 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092052.D

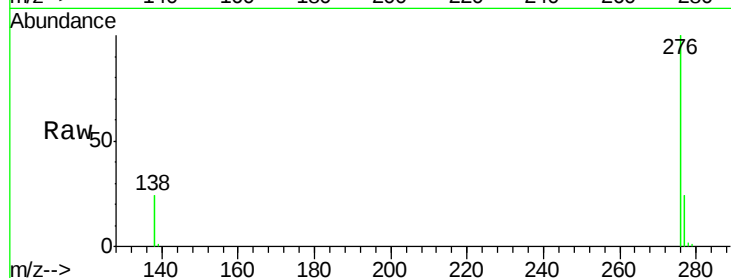
Acq: 27 Jul 2016 12:00

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8



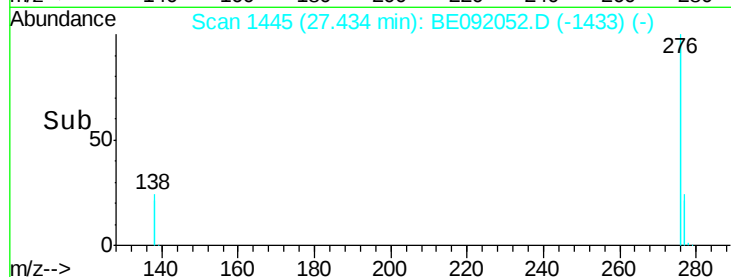
Tgt Ion: 276 Resp: 45338

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 24.3 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

