

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092092.D
 Acq On : 1 Aug 2016 14:19
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 16:00:57 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 15:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9172	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	41528	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	21272	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	88884	5.00	ng	0.00
31) Chrysene-d12	21.74	240	96493	5.00	ng	0.00
40) Perylene-d12	24.15	264	85547	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	4281	2.09	ng	0.00
5) Phenol-d6	7.33	99	5138	1.88	ng	0.00
9) Nitrobenzene-d5	9.35	82	4989	1.61	ng	0.00
16) 2,4,6-Tribromophenol	16.34	330	2305	3.09	ng	0.00
17) 2-Fluorobiphenyl	13.46	172	12789	1.50	ng	0.00
34) Terphenyl-d14	20.21	244	16211	0.90	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	1955	1.55	ng	97
3) n-Nitrosodimethylamine	3.78	42	2583	1.72	ng	95
6) bis(2-Chloroethyl)ether	7.59	93	4402	1.67	ng	96
7) n-Nitroso-di-n-propylamine	8.98	70	4123	1.89	ng	99
10) Nitrobenzene	9.38	77	5441	1.81	ng	99
11) bis(2-Chloroethoxy)methane	10.40	93	6370	1.84	ng	97
12) Naphthalene	11.02	128	15016	1.65	ng	# 95
13) Hexachlorobutadiene	11.32	225	2455	1.80	ng	# 98
14) 2-Methylnaphthalene	12.65	142	10005	1.70	ng	95
18) Acenaphthylene	14.58	152	75095	1.36	ng	# 94
19) 2,6-Dinitrotoluene	14.46	165	9017	1.59	ng	# 100
20) Acenaphthene	14.92	154	10093	1.74	ng	# 62
21) 2,4-Dinitrotoluene	15.25	165	15047	2.10	ng	# 1
22) Fluorene	15.89	166	15147	1.66	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	7697	1.72	ng	# 69
25) 4-Bromophenyl-phenylether	16.76	248	4578	1.25	ng	97
26) Hexachlorobenzene	16.88	284	4561	1.20	ng	98
27) Pentachlorophenol	17.25	266	568	0.54	ng	90
28) Phenanthrene	17.62	178	35023	1.55	ng	95
29) Anthracene	17.72	178	27190	1.32	ng	100
30) Fluoranthene	19.61	202	97758	0.97	ng	# 66
32) Benzidine	19.81	184	13520	2.85	ng	# 74
33) Pyrene	19.98	202	180642	1.45	ng	96
35) Benzo(a)anthracene	21.71	228	71093	1.54	ng	92
36) 3,3'-Dichlorobenzidine	21.67	252	14244	1.60	ng	# 87
37) Chrysene	21.71	228	72155	1.85	ng	# 90
38) Bis(2-ethylhexyl)phthalate	21.65	149	30373	0.33	ng	# 27
39) Indeno(1,2,3-cd)pyrene	26.65	276	153849	1.36	ng	99
41) Benzo(b)fluoranthene	23.41	252	36563	1.41	ng	97
42) Benzo(k)fluoranthene	23.45	252	36285	1.35	ng	97
43) Benzo(a)pyrene	24.03	252	35255	1.62	ng	95
44) Dibenzo(a,h)anthracene	26.67	278	31678	1.67	ng	96
45) Benzo(a,h,i)perylene	27.42	276	133453	1.68	ng	96

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Quant Time: Aug 01 16:00:57 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration

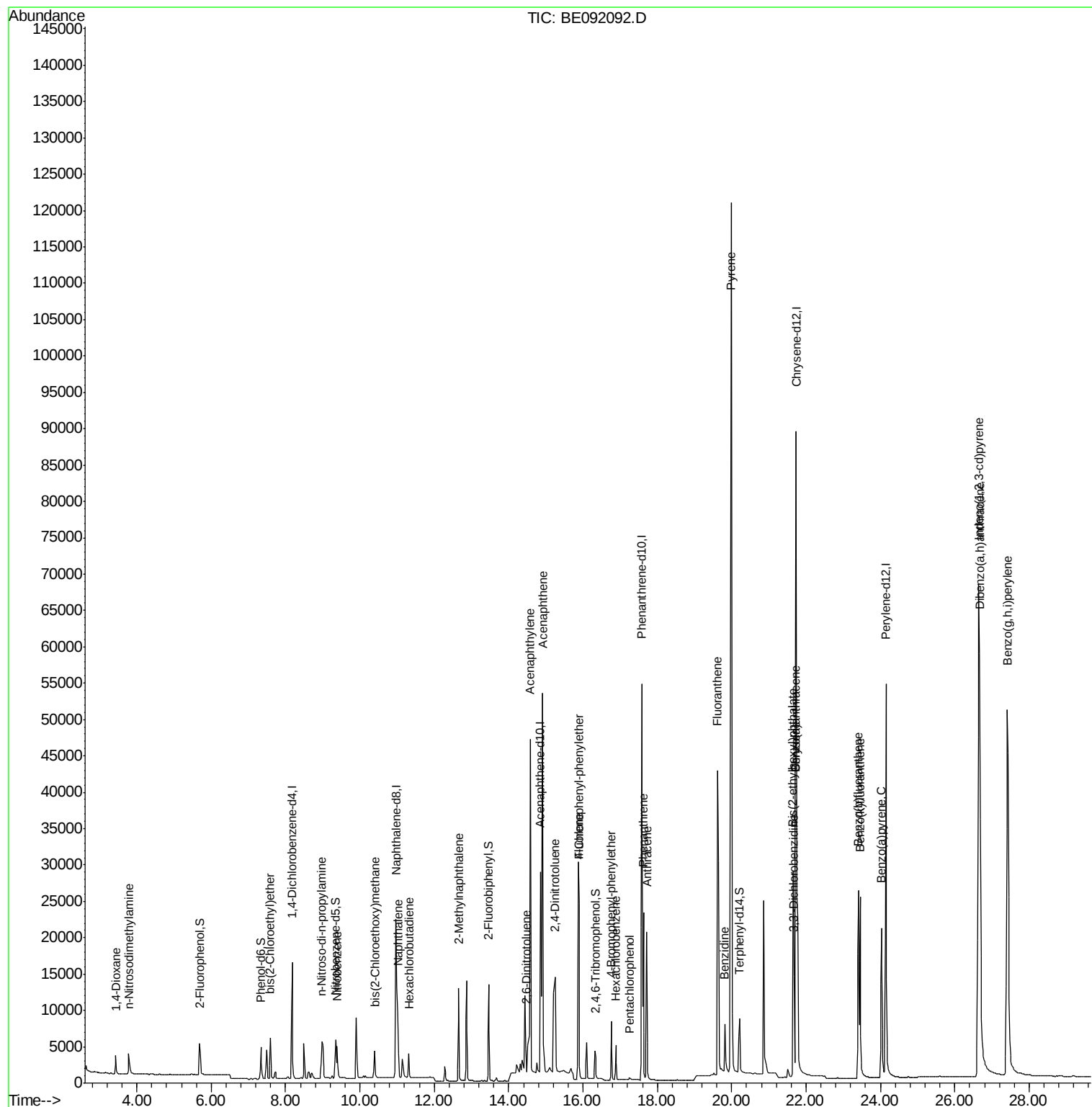
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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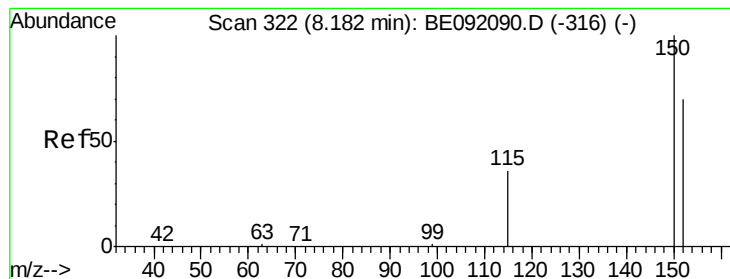
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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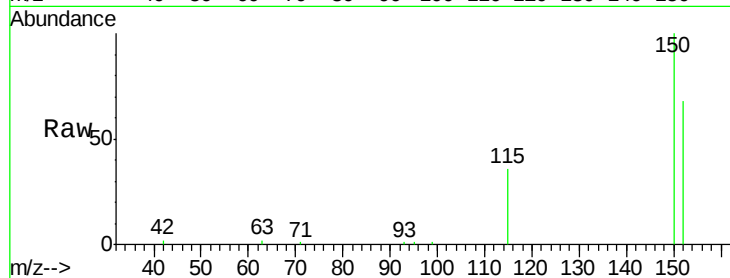


#1

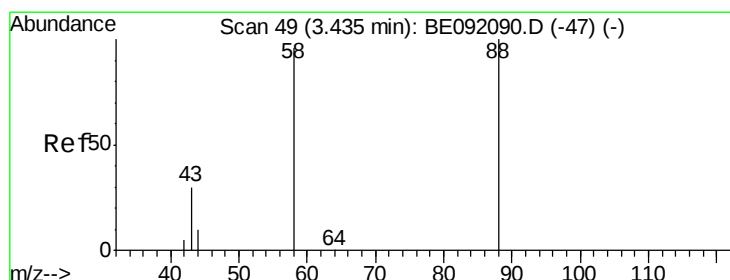
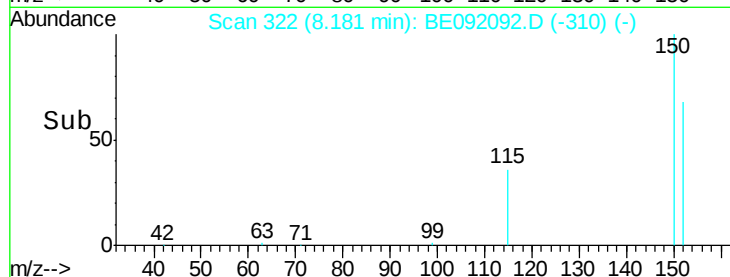
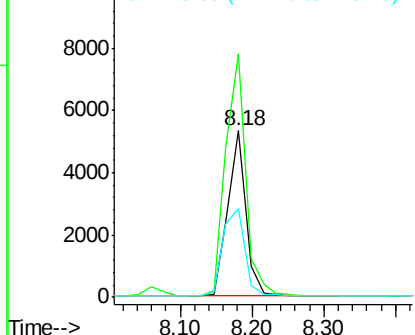
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 322
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 9172
Ion Ratio Lower Upper
152 100
150 146.1 106.0 159.0
115 53.1 36.9 55.3



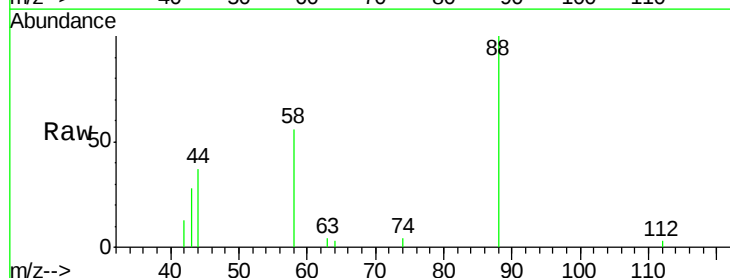
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



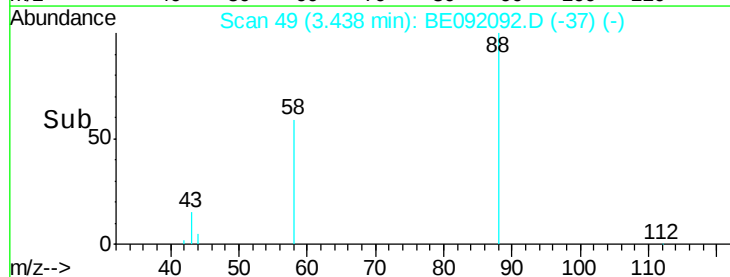
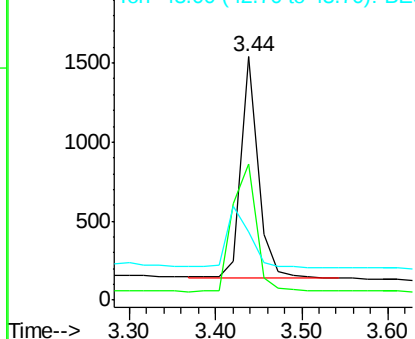
#2

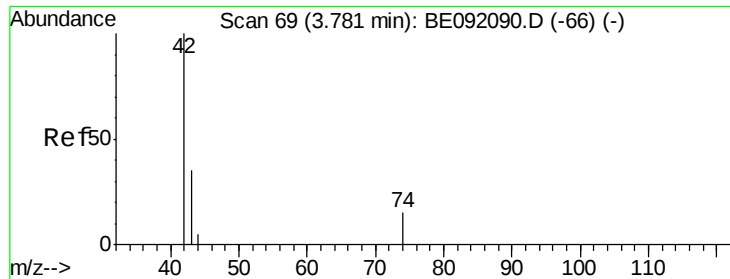
1,4-Dioxane
Concen: 1.55 ng
RT: 3.44 min Scan# 49
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion: 88 Resp: 1955
Ion Ratio Lower Upper
88 100
58 79.5 62.1 93.1
43 36.2 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: 1.72 ng

RT: 3.78 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

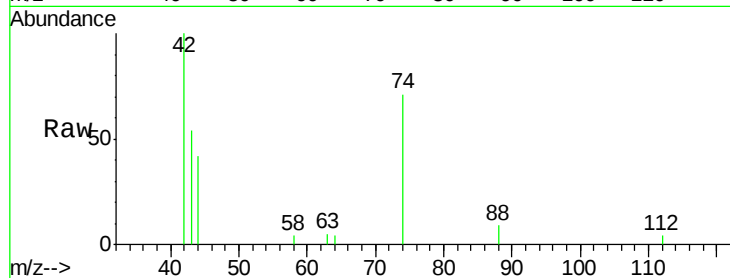
Tot Ion: 42 Resp: 2583

Ion Ratio Lower Upper

42 100

74 109.3 82.8 124.2

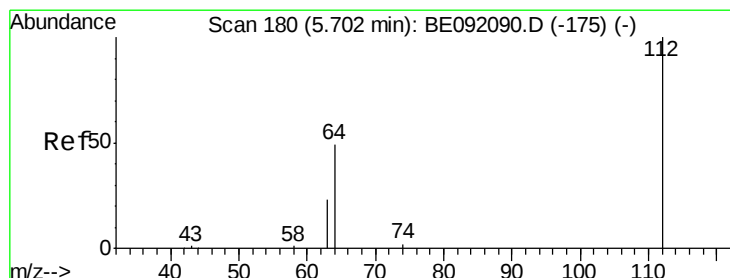
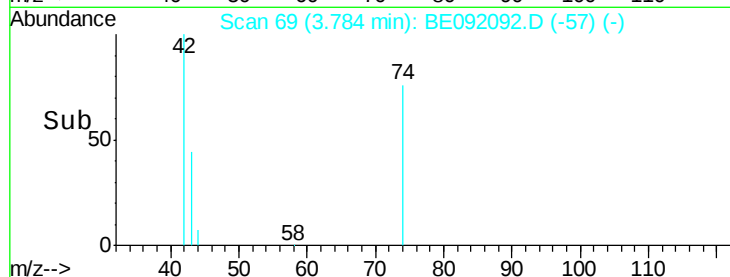
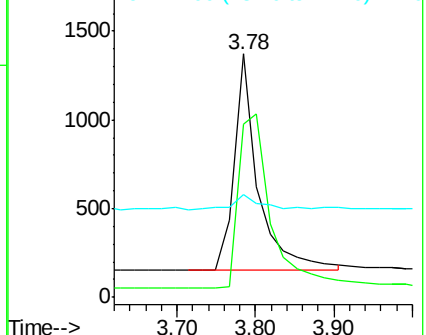
44 9.6 9.0 13.4



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: 2.09 ng

RT: 5.70 min Scan# 180

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

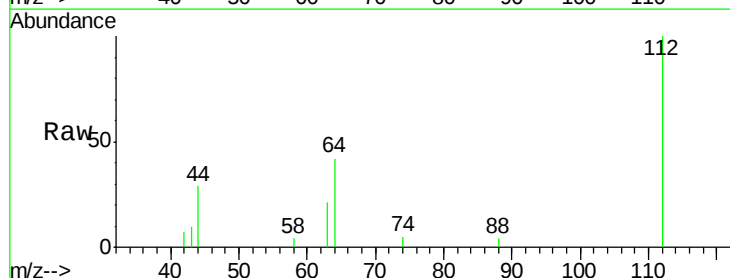
Tgt Ion: 112 Resp: 4281

Ion Ratio Lower Upper

112 100

64 67.3 55.9 83.9

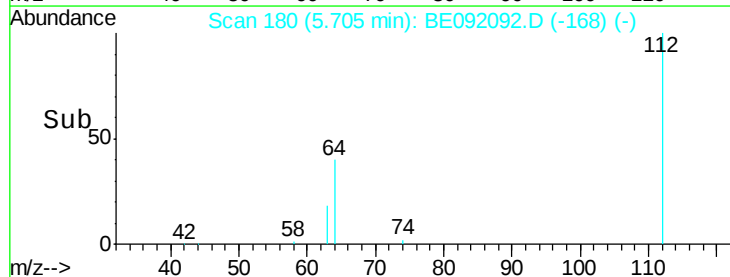
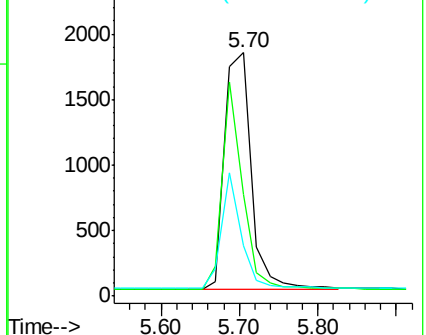
63 36.1 31.1 46.7

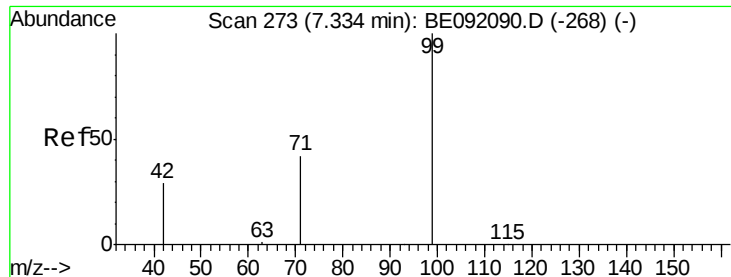


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.88 ng

RT: 7.33 min Scan# 273

Delta R.T. -0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

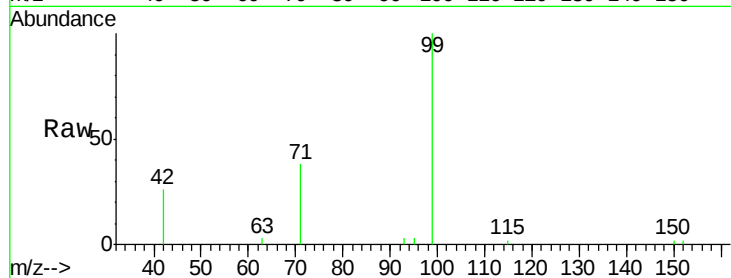
Tot Ion: 99 Resp: 5138

Ion Ratio Lower Upper

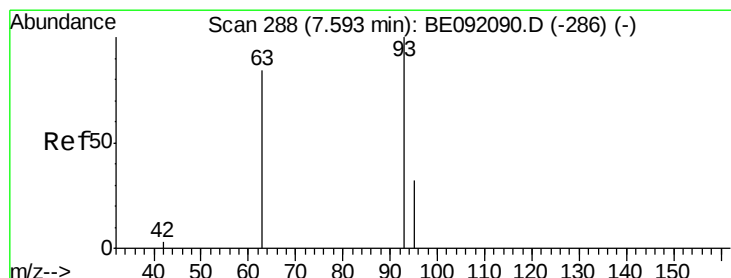
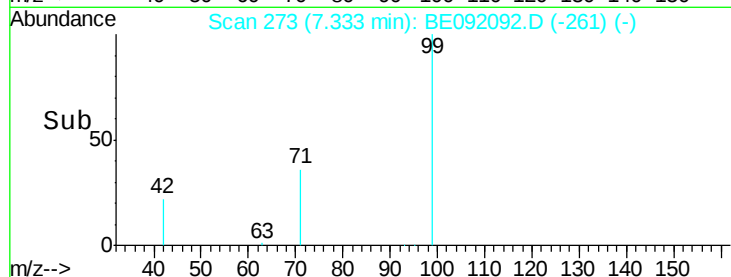
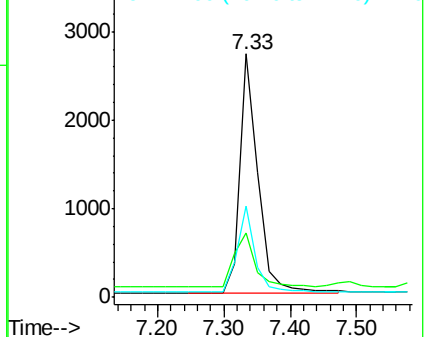
99 100

42 25.6 22.4 33.6

71 35.4 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: 1.67 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

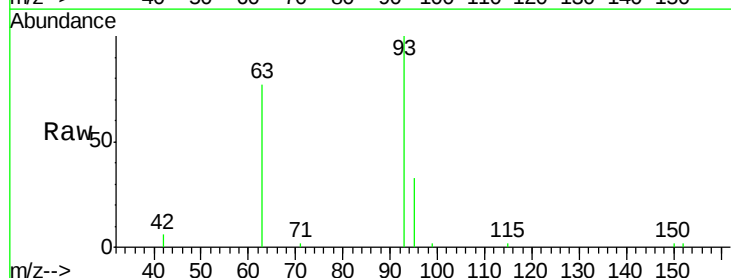
Tgt Ion: 93 Resp: 4402

Ion Ratio Lower Upper

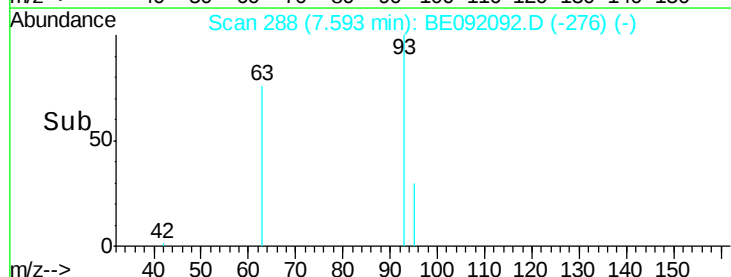
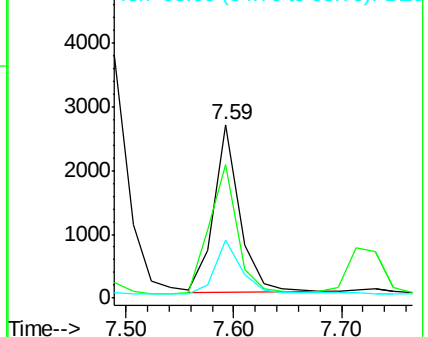
93 100

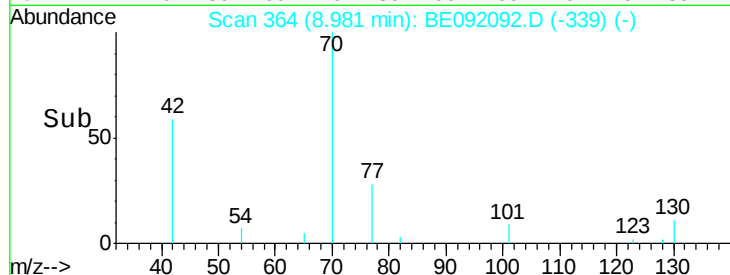
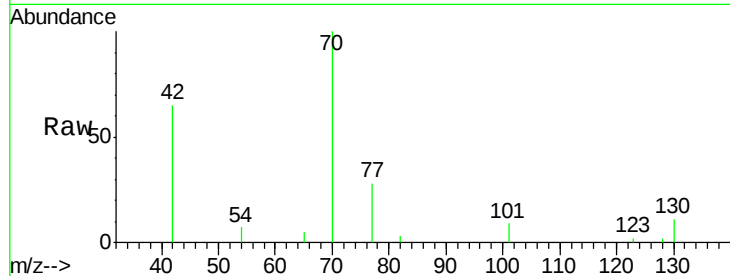
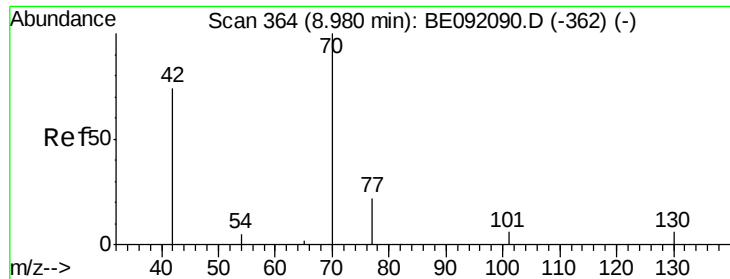
63 85.1 64.4 96.6

95 32.2 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: 1.89 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 4123

Ion Ratio Lower Upper

70 100

42 74.4 60.2 90.4

101 8.7 6.8 10.2

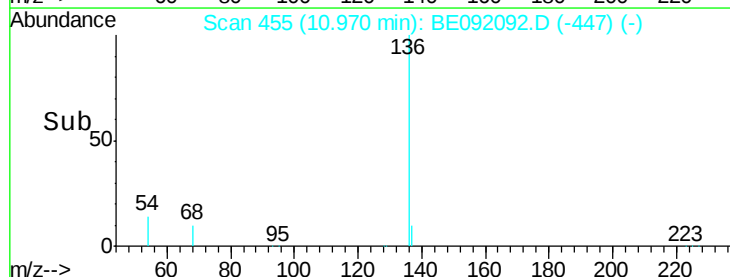
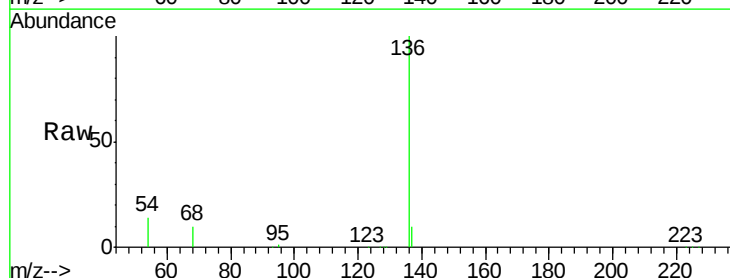
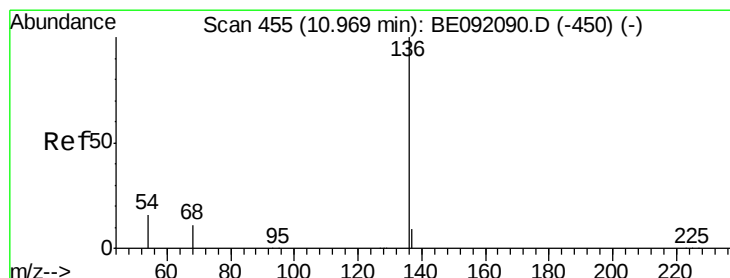
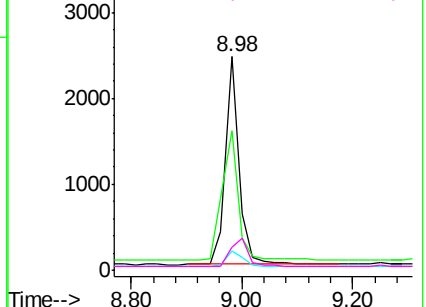
130 17.2 13.3 19.9

Abundance Ion 70.00 (69.70 to 70.70): BE092090.D (-362) (-)

Ion 42.00 (41.70 to 42.70): BE092090.D (-362) (-)

Ion 101.00 (100.70 to 101.70): BE092090.D (-362) (-)

Ion 130.00 (129.70 to 130.70): BE092090.D (-362) (-)



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Tgt Ion: 136 Resp: 41528

Ion Ratio Lower Upper

136 100

137 9.8 9.1 13.7

54 14.0 2.7 4.1#

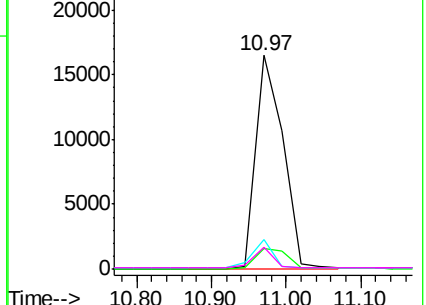
68 10.1 2.2 3.4#

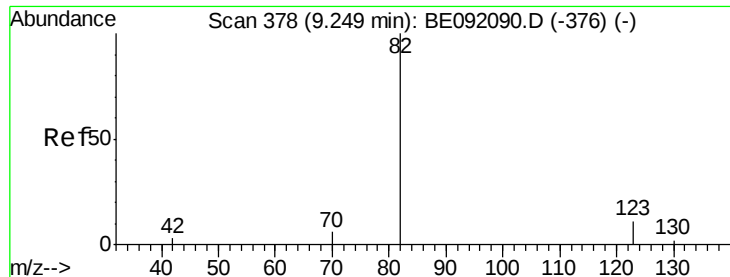
Abundance Ion 136.00 (135.70 to 136.70): BE092090.D (-450) (-)

Ion 137.00 (136.70 to 137.70): BE092090.D (-450) (-)

Ion 54.00 (53.70 to 54.70): BE092090.D (-450) (-)

Ion 68.00 (67.70 to 68.70): BE092090.D (-450) (-)





#9

Nitrobenzene-d5

Concen: 1.61 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

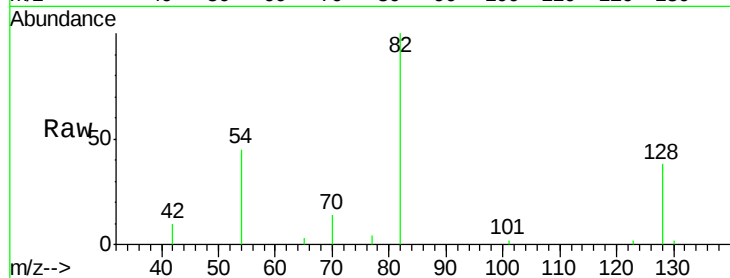
Tot Ion: 82 Resp: 4989

Ion Ratio Lower Upper

82 100

128 38.2 33.0 49.4

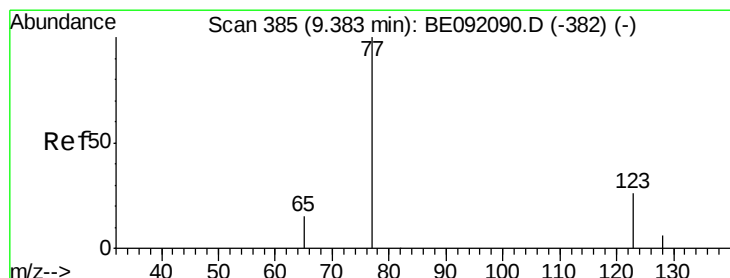
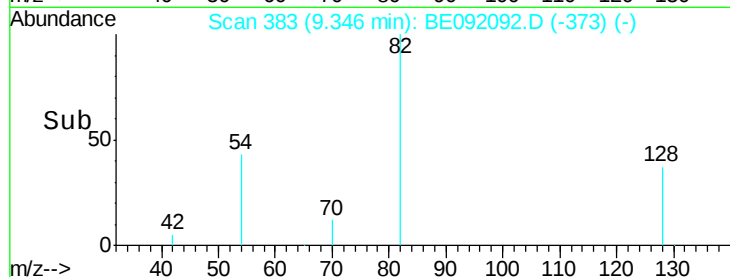
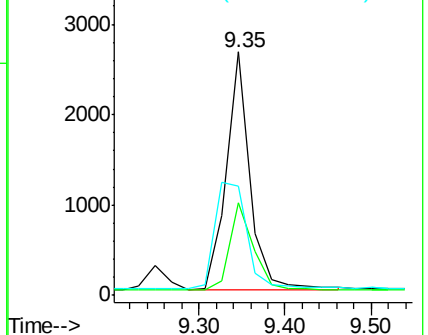
54 45.0 42.6 63.8



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: 1.81 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

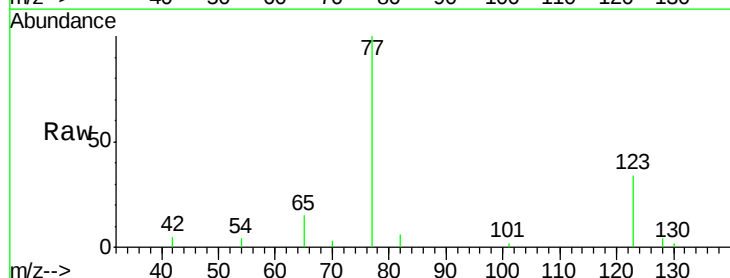
Tgt Ion: 77 Resp: 5441

Ion Ratio Lower Upper

77 100

123 38.4 29.9 44.9

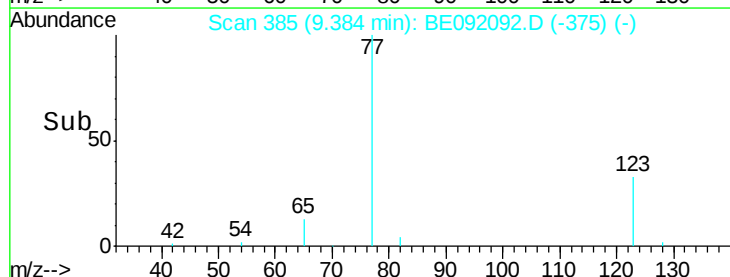
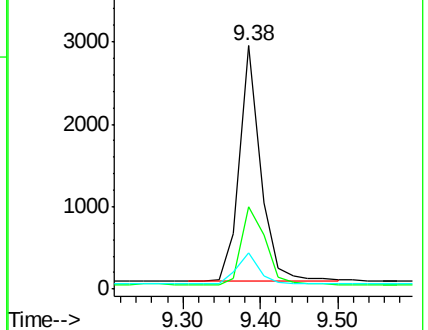
65 13.9 11.4 17.0

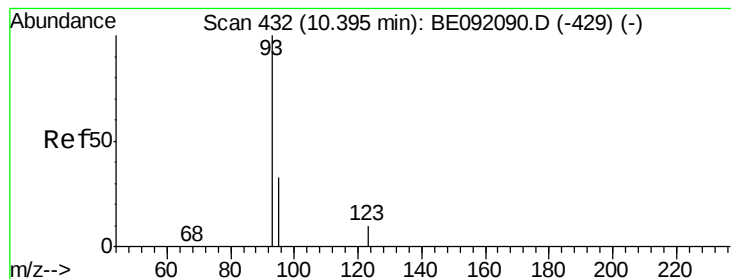


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 1.84 ng

RT: 10.40 min Scan# 432

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

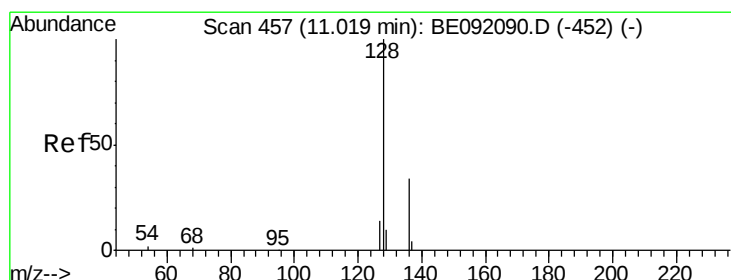
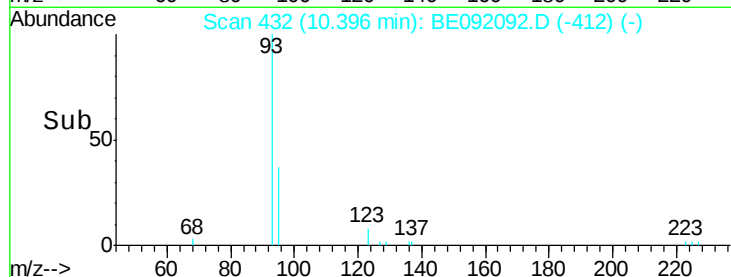
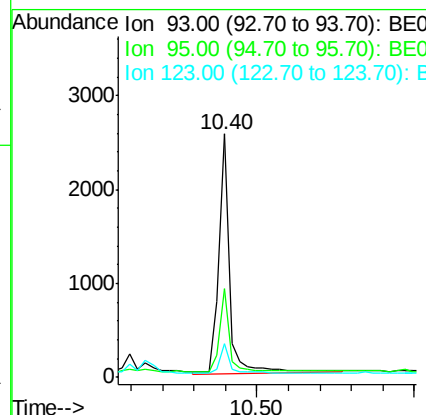
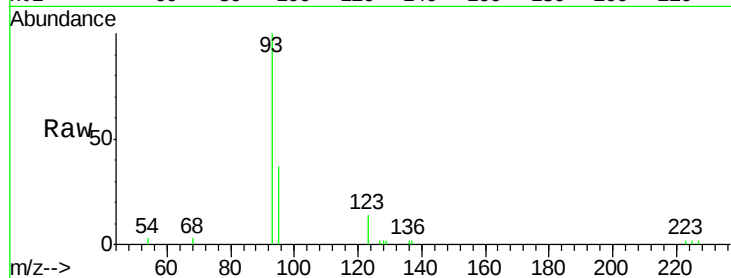
Tot Ion: 93 Resp: 6370

Ion Ratio Lower Upper

93 100

95 29.1 25.0 37.6

123 9.5 7.8 11.8



#12

Naphthalene

Concen: 1.65 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

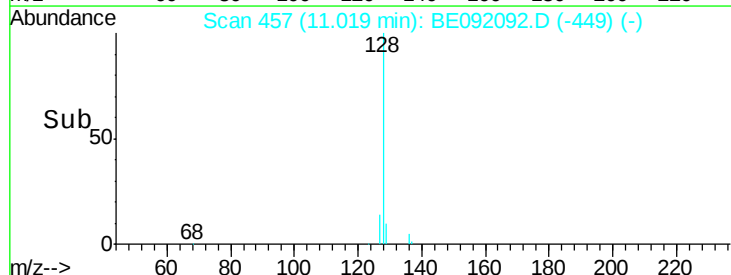
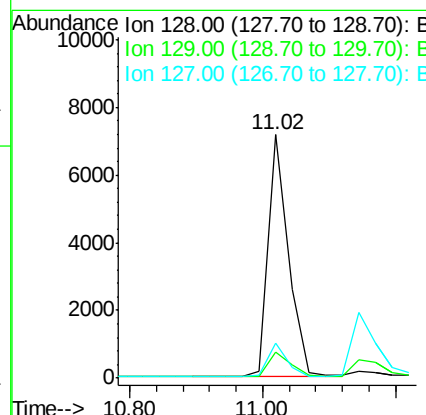
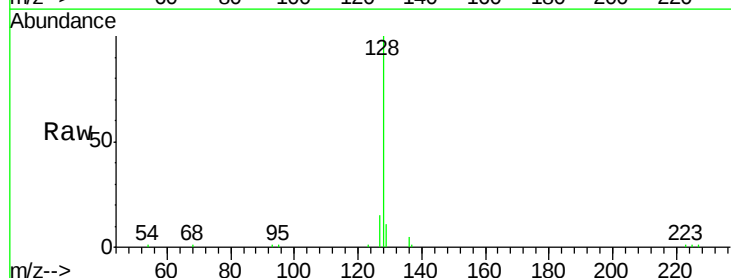
Tgt Ion: 128 Resp: 15016

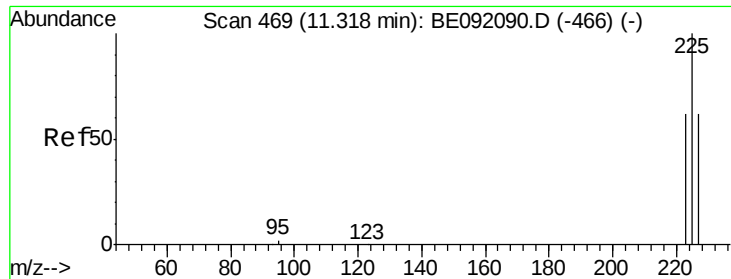
Ion Ratio Lower Upper

128 100

129 10.5 11.1 16.7#

127 14.5 11.3 16.9

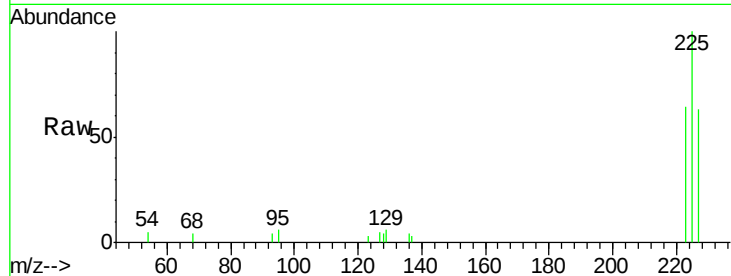




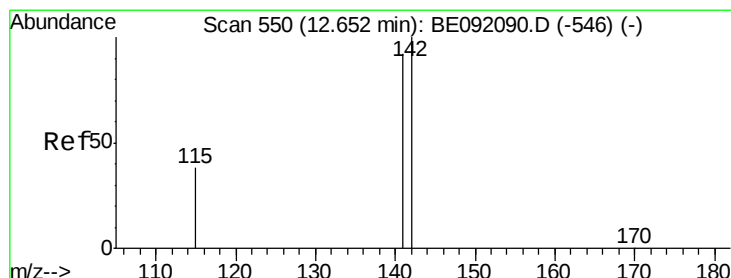
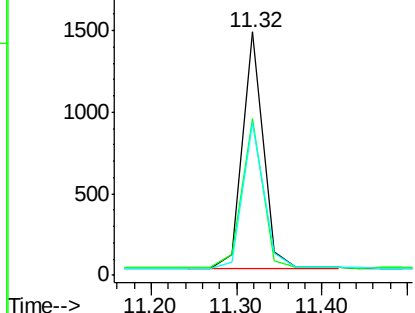
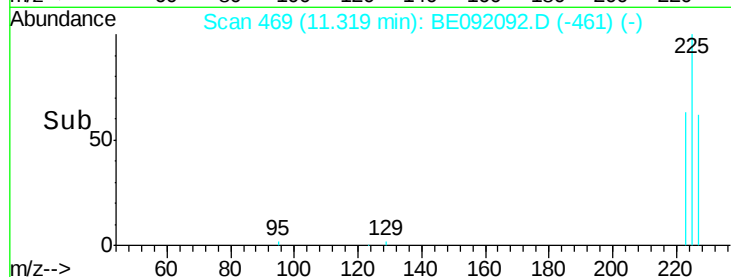
#13
Hexachlorobutadiene
Concen: 1.80 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 2455
Ion Ratio Lower Upper
225 100
223 63.3 51.9 77.9
227 62.2 0.0 0.0#

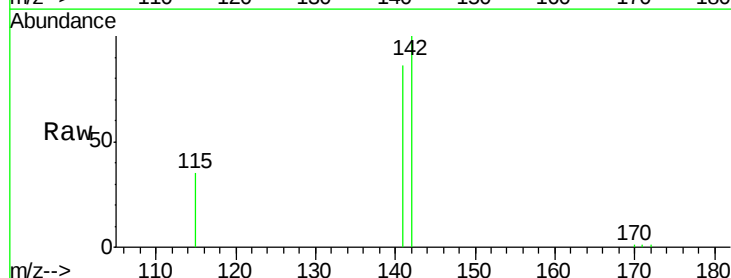


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

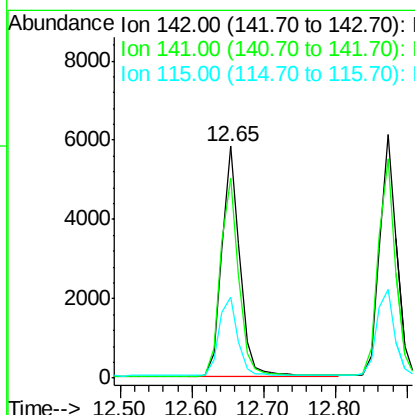
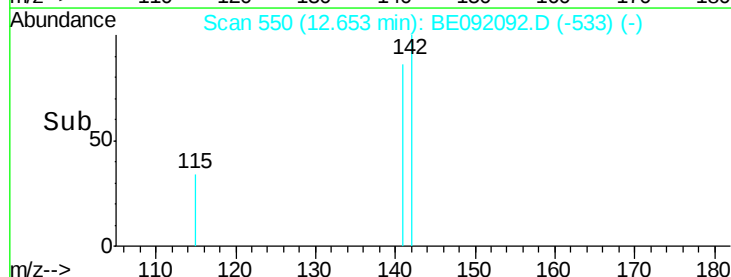


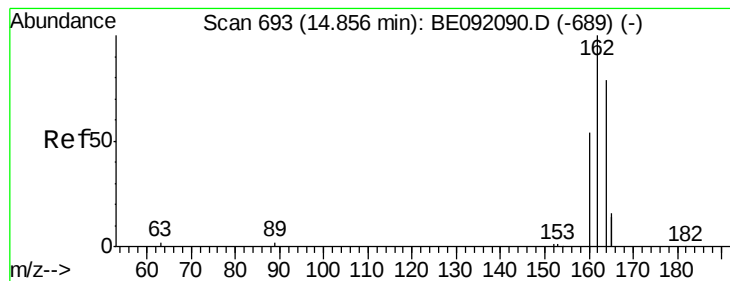
#14
2-Methylnaphthalene
Concen: 1.70 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:142 Resp: 10005
Ion Ratio Lower Upper
142 100
141 86.4 65.1 97.7
115 34.8 27.0 40.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

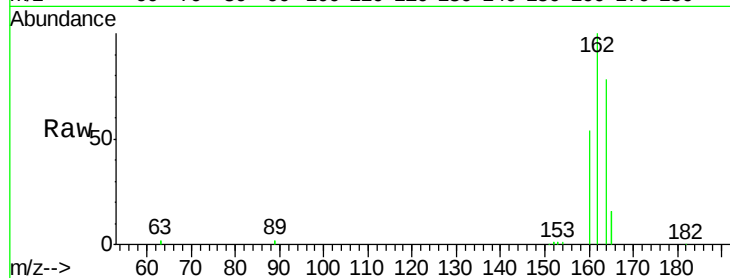
Tot Ion:164 Resp: 21272

Ion Ratio Lower Upper

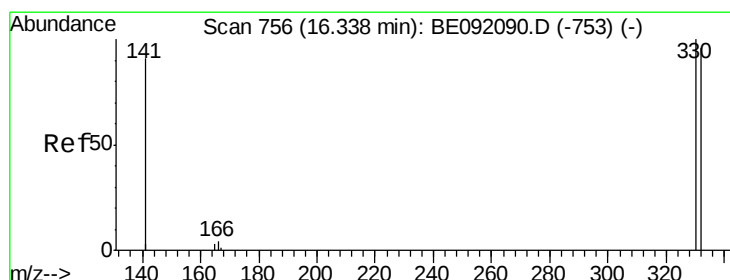
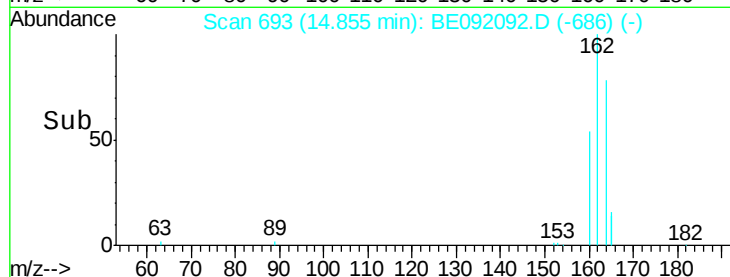
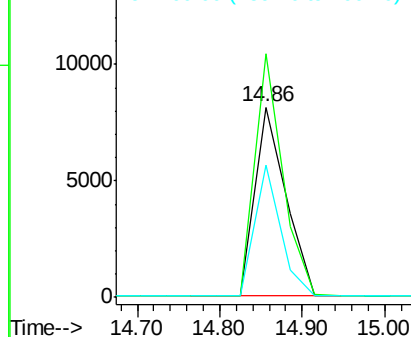
164 100

162 128.0 69.5 104.3#

160 69.4 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: 3.09 ng

RT: 16.34 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

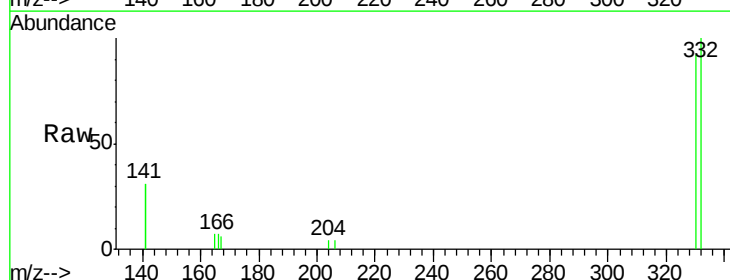
Tgt Ion:330 Resp: 2305

Ion Ratio Lower Upper

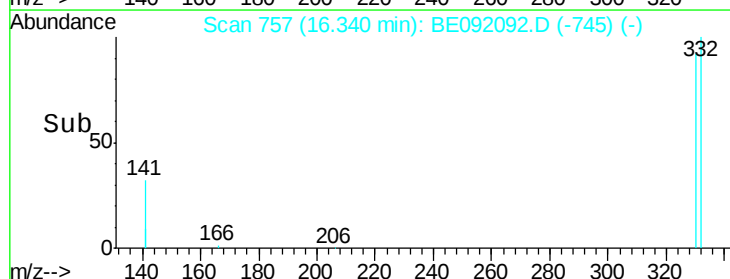
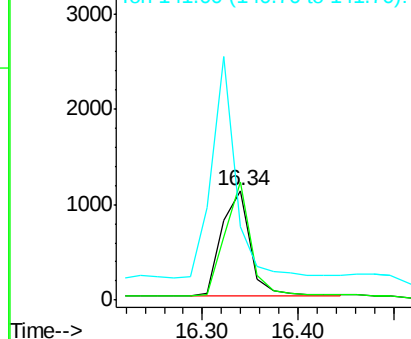
330 100

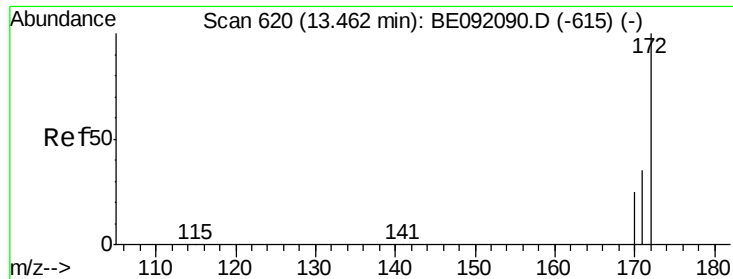
332 98.3 74.2 111.4

141 174.3 139.8 209.8



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

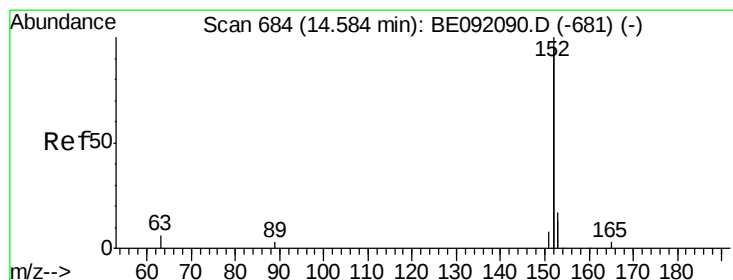
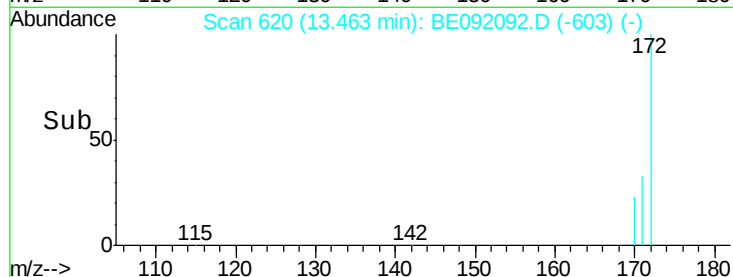
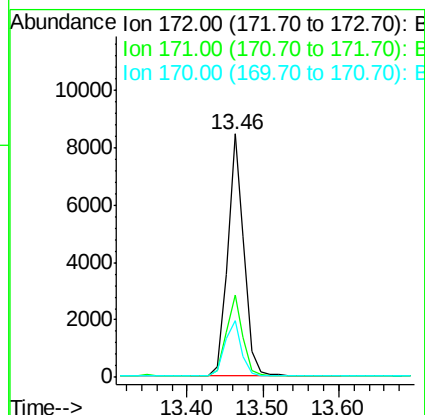
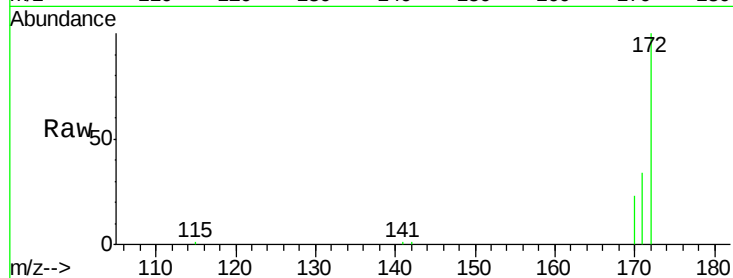




#17
2-Fluorobiphenyl
Concen: 1.50 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

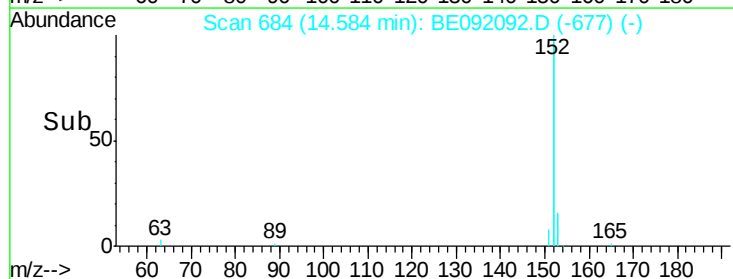
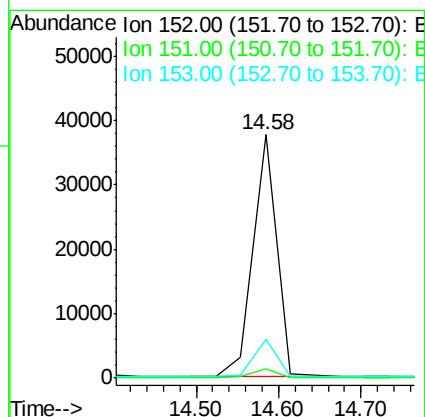
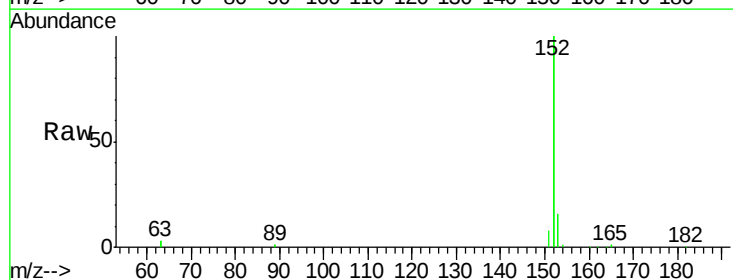
Instrument :
BNA_E
ClientSampled :

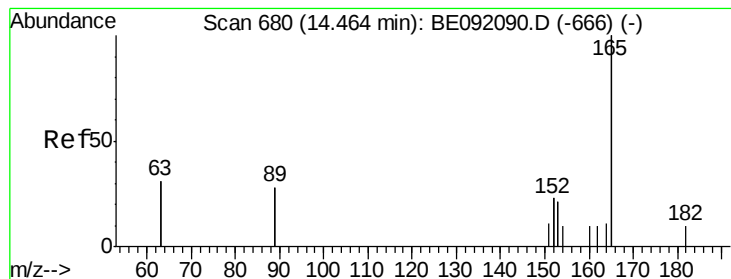
Tot Ion:172 Resp: 12789
Ion Ratio Lower Upper
172 100
171 34.1 30.3 45.5
170 23.3 21.6 32.4



#18
Acenaphthylene
Concen: 1.36 ng
RT: 14.58 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:152 Resp: 75095
Ion Ratio Lower Upper
152 100
151 4.2 4.0 6.0
153 14.9 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 1.59 ng

RT: 14.46 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

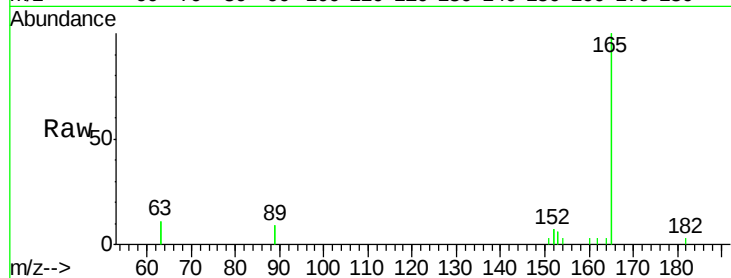
Tot Ion:165 Resp: 9017

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

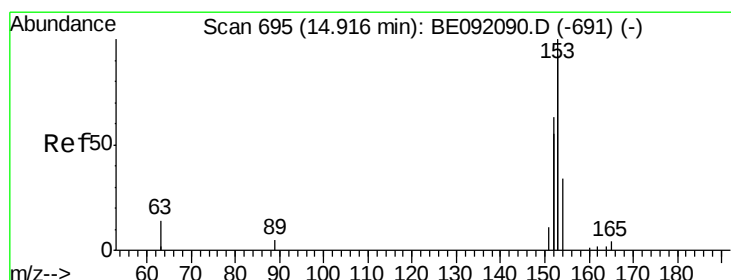
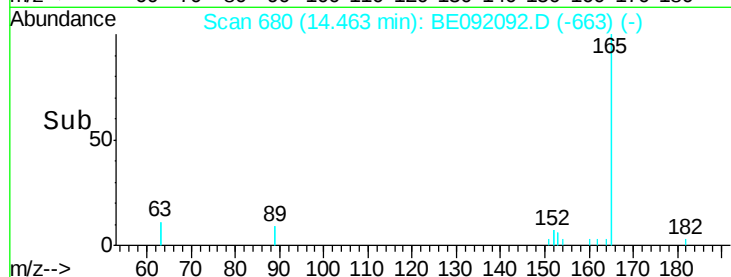
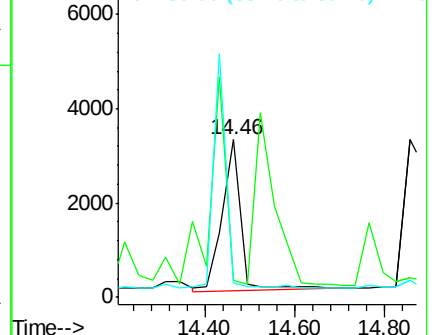
89 0.0 0.0 0.0



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: 1.74 ng

RT: 14.92 min Scan# 695

Delta R.T. -0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

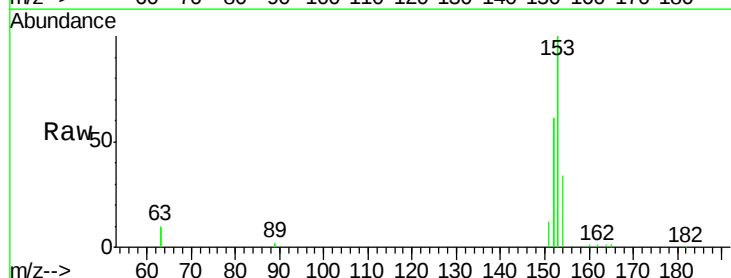
Tgt Ion:154 Resp: 10093

Ion Ratio Lower Upper

154 100

153 525.2 345.1 517.7#

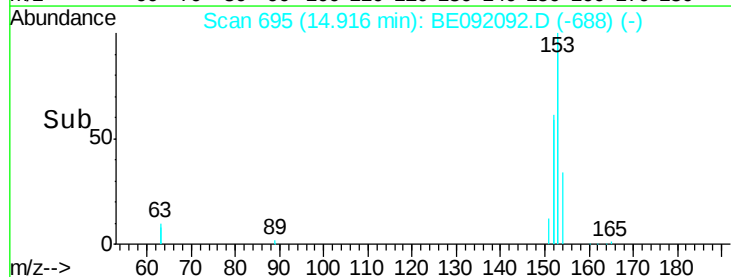
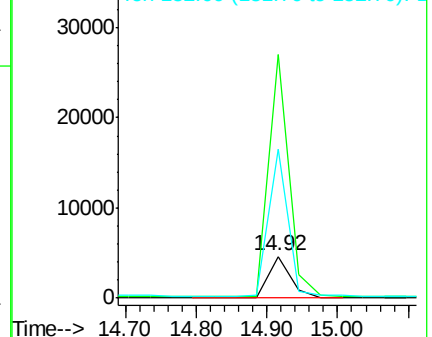
152 303.3 0.0 0.0#

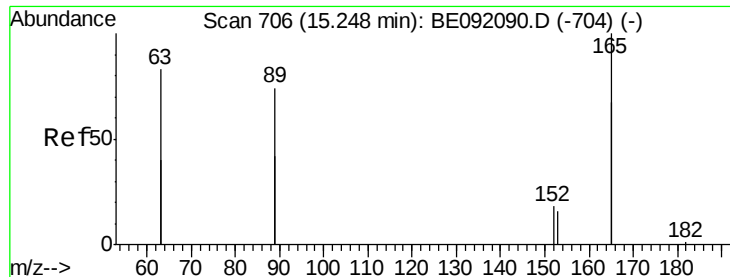


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

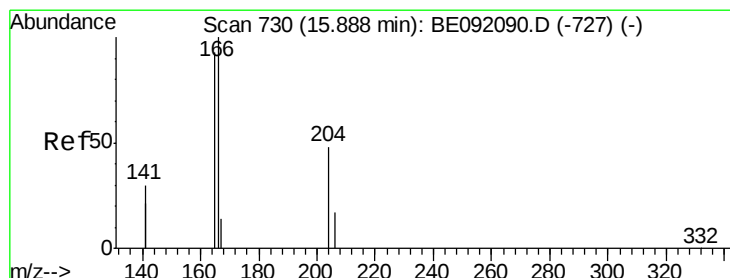
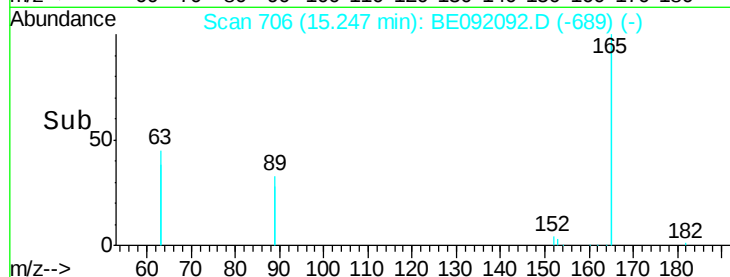
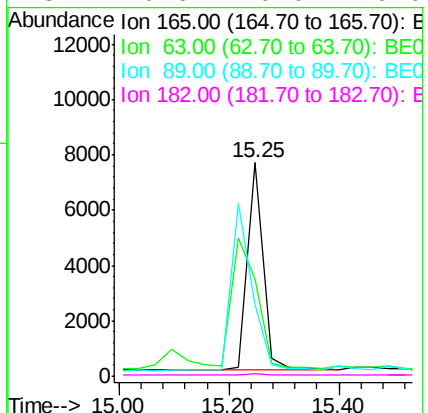
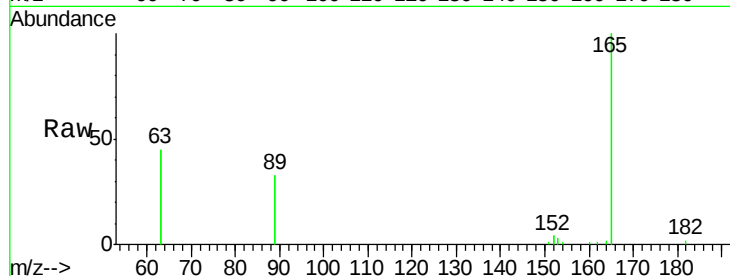




#21
2,4-Dinitrotoluene
Concen: 2.10 ng
RT: 15.25 min Scan# 706
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

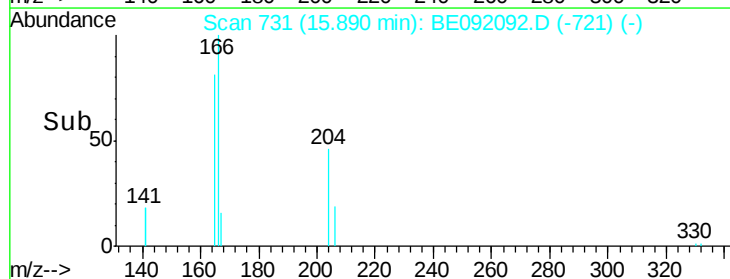
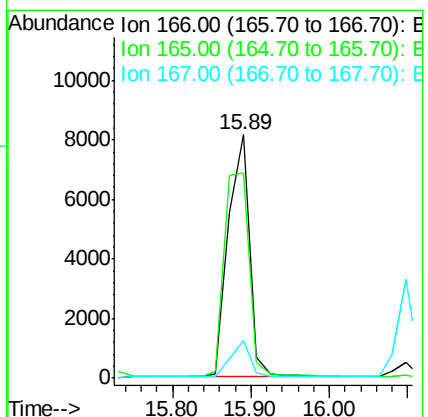
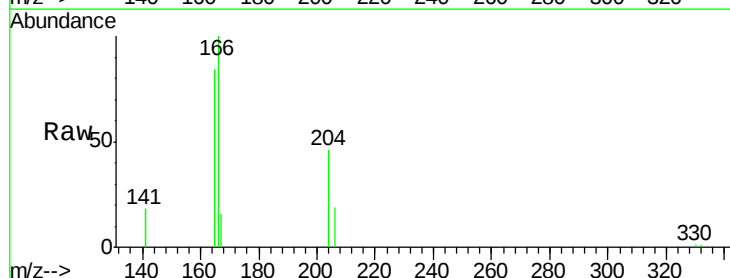
Instrument :
BNA_E
ClientSampleId :

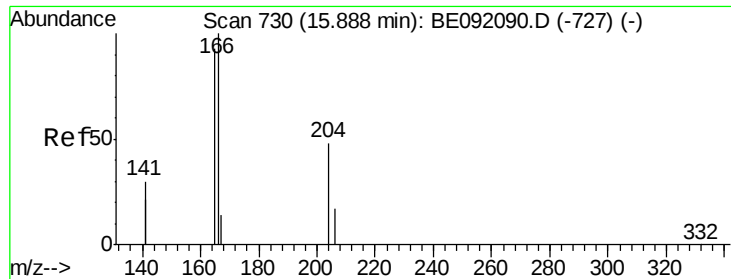
Tot Ion:165 Resp: 15047
Ion Ratio Lower Upper
165 100
63 0.0 324.0 486.0#
89 0.0 308.4 462.6#
182 0.6 0.0 0.0#



#22
Fluorene
Concen: 1.66 ng
RT: 15.89 min Scan# 731
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:166 Resp: 15147
Ion Ratio Lower Upper
166 100
165 99.0 78.6 118.0
167 13.6 11.1 16.7

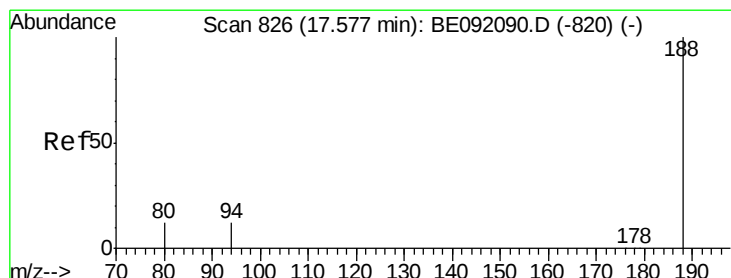
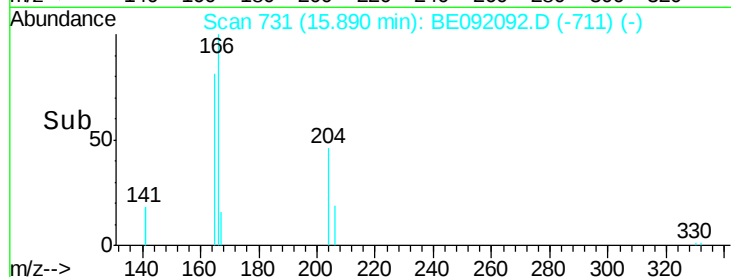
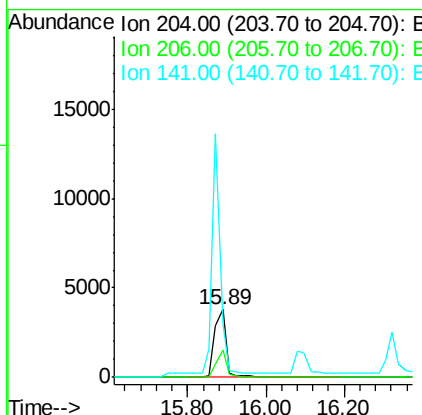
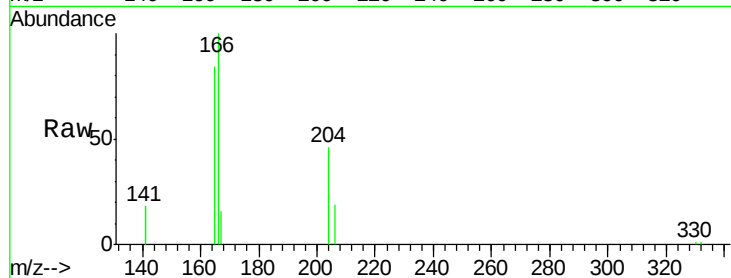




#23
4-Chlorophenyl-phenylether
Concen: 1.72 ng
RT: 15.89 min Scan# 731
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

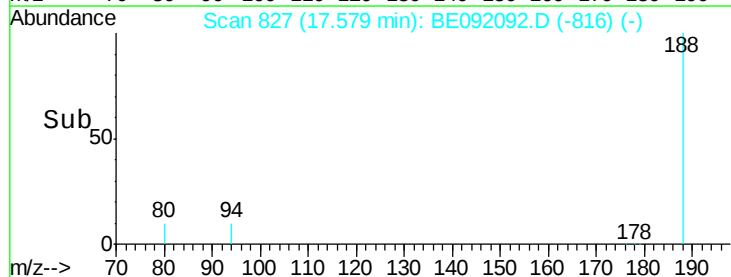
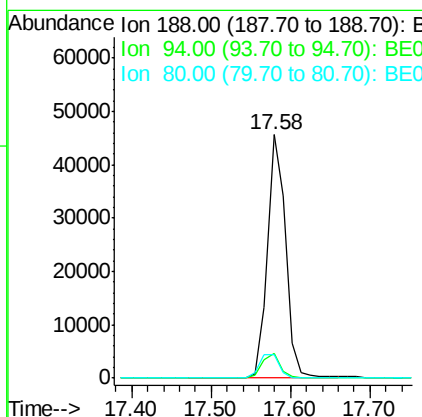
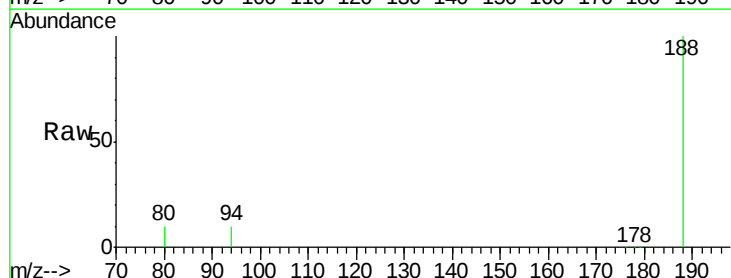
Instrument :
BNA_E
ClientSampleId :

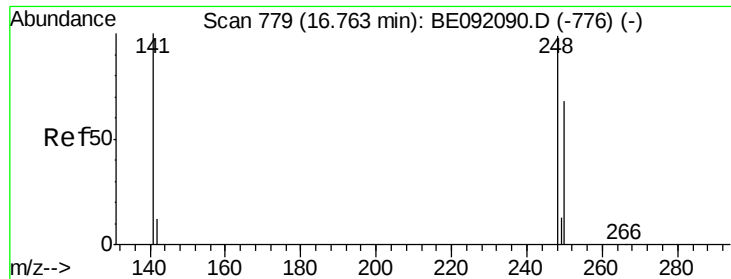
Tot Ion:204 Resp: 7697
Ion Ratio Lower Upper
204 100
206 35.0 27.0 40.4
141 308.7 198.5 297.7#



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:188 Resp: 88884
Ion Ratio Lower Upper
188 100
94 10.2 3.9 5.9#
80 9.7 3.4 5.0#

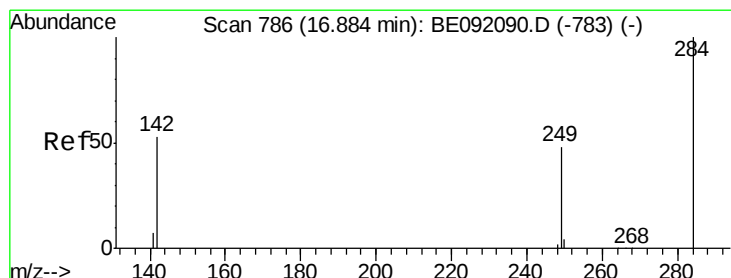
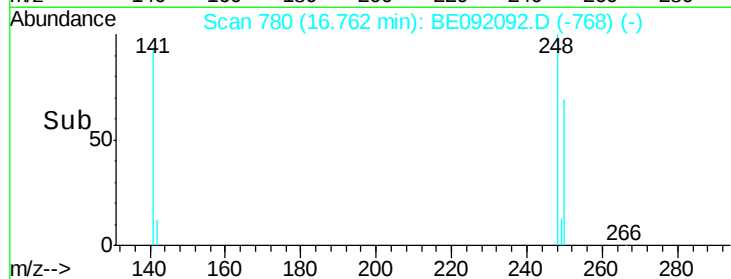
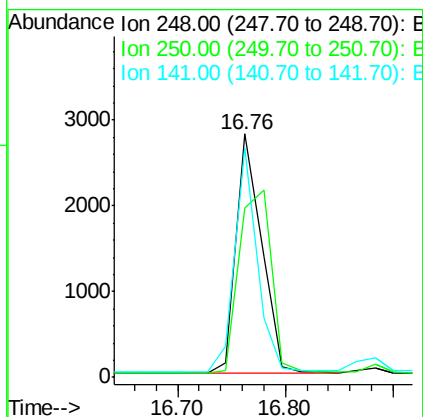
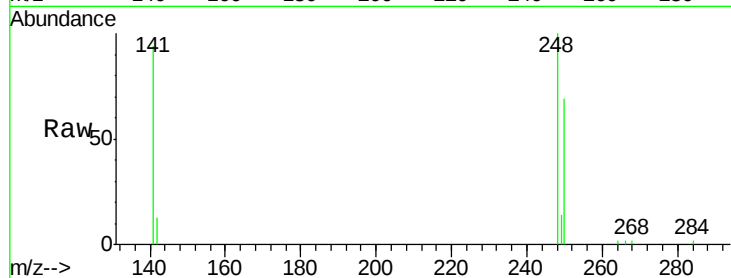




#25
4-Bromophenyl-phenylether
Concen: 1.25 ng
RT: 16.76 min Scan# 780
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

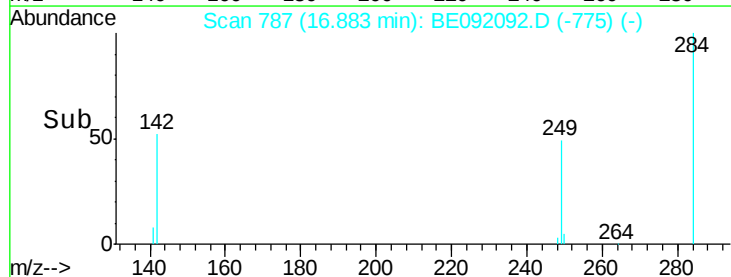
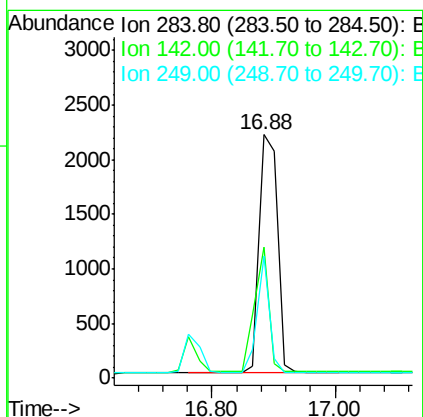
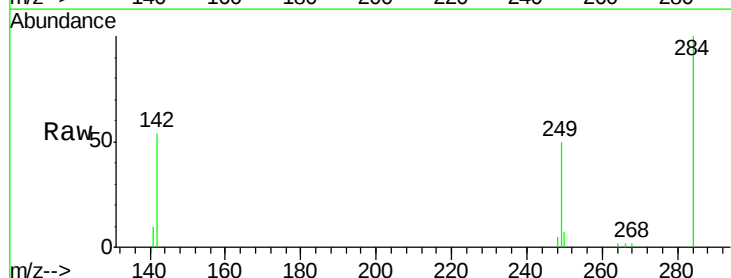
Instrument :
BNA_E
ClientSampleId :

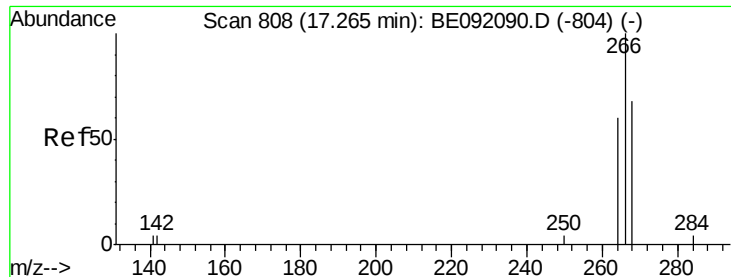
Tot Ion:248 Resp: 4578
Ion Ratio Lower Upper
248 100
250 97.1 79.6 119.4
141 82.1 68.7 103.1



#26
Hexachlorobenzene
Concen: 1.20 ng
RT: 16.88 min Scan# 787
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:284 Resp: 4561
Ion Ratio Lower Upper
284 100
142 40.2 33.3 49.9
249 32.9 25.4 38.0





#27

Pentachlorophenol

Concen: 0.54 ng

RT: 17.25 min Scan# 808

Delta R.T. -0.02 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

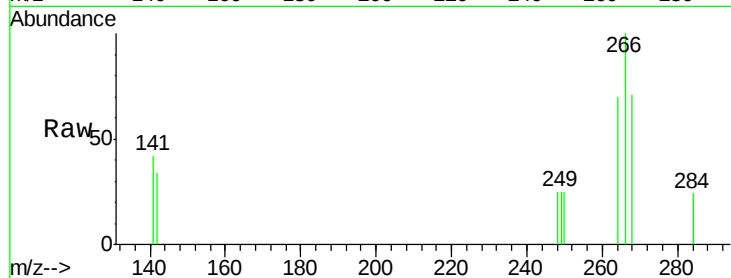
Tot Ion:266 Resp: 568

Ion Ratio Lower Upper

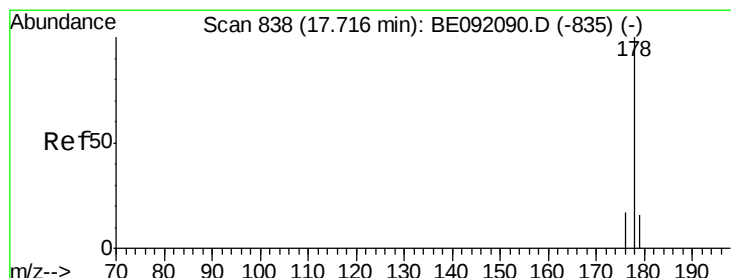
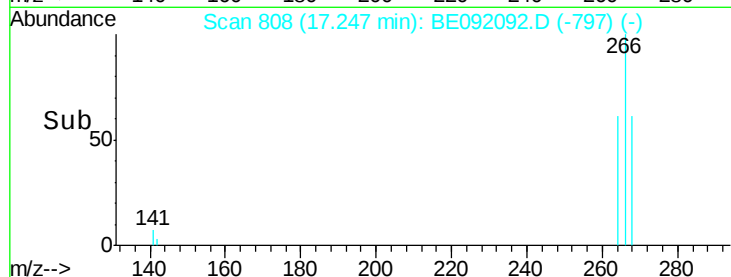
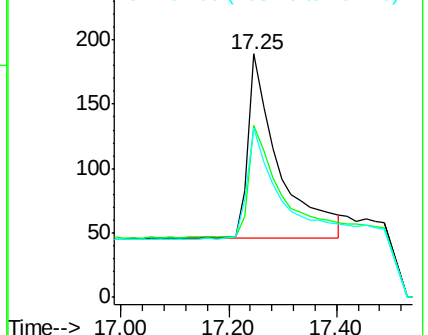
266 100

268 70.9 62.7 94.1

264 69.8 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: 1.55 ng

RT: 17.62 min Scan# 831

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

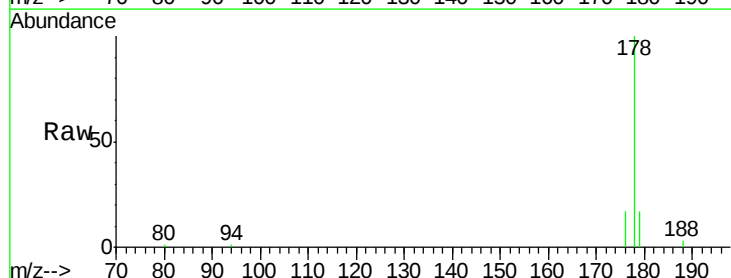
Tgt Ion:178 Resp: 35023

Ion Ratio Lower Upper

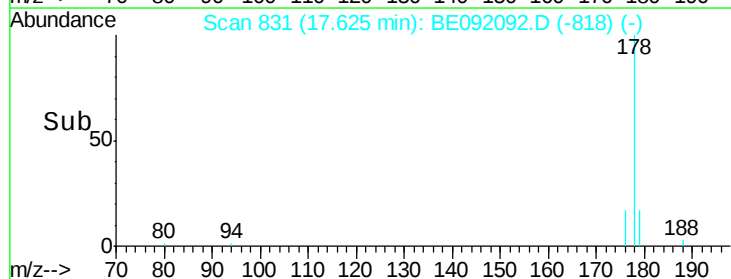
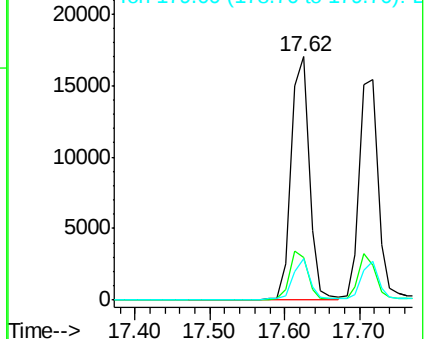
178 100

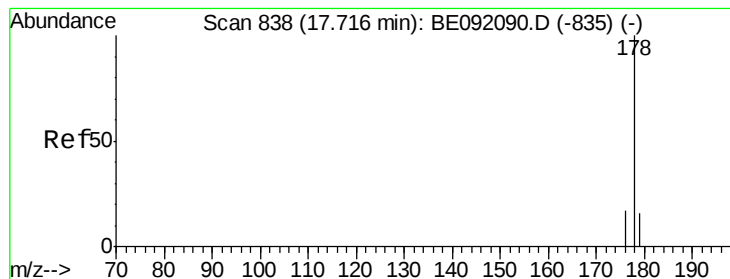
176 15.8 15.4 23.0

179 17.0 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: 1.32 ng

RT: 17.72 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

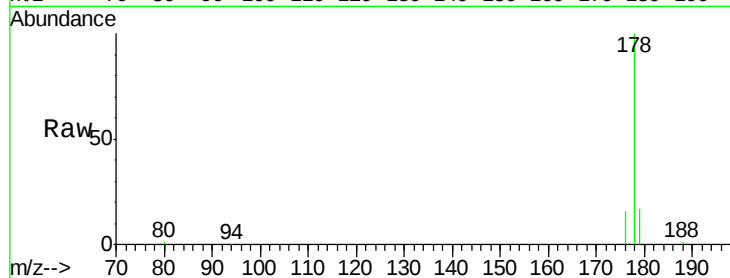
Tot Ion:178 Resp: 27190

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

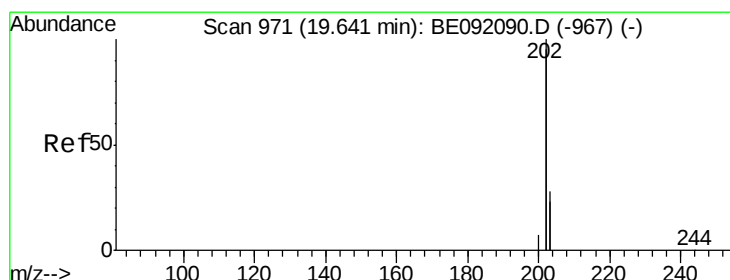
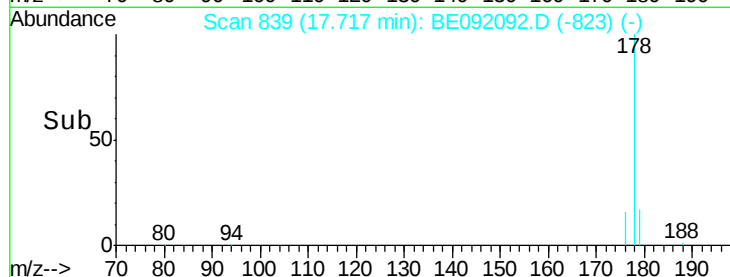
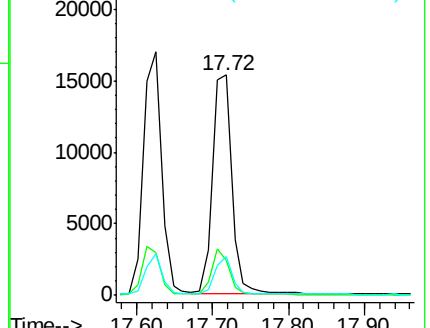
179 15.3 12.2 18.4



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: 0.97 ng

RT: 19.61 min Scan# 970

Delta R.T. -0.03 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

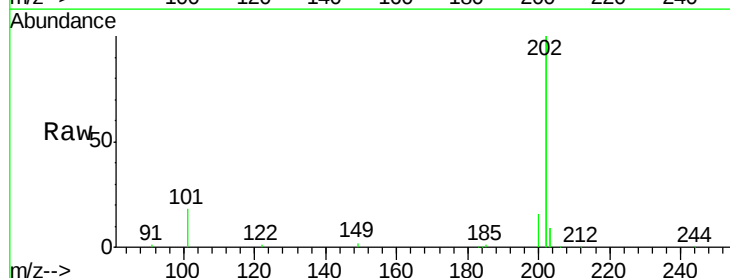
Tgt Ion:202 Resp: 97758

Ion Ratio Lower Upper

202 100

101 5.7 2.2 3.2#

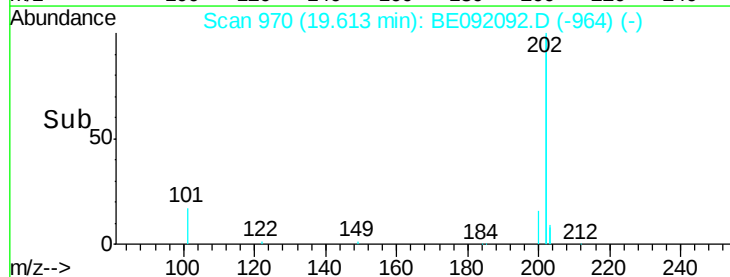
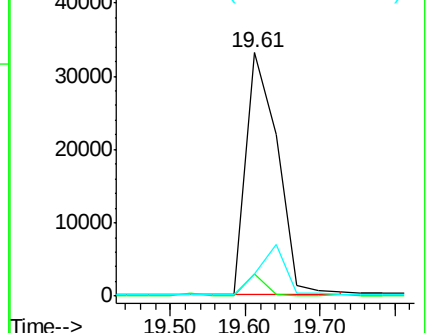
203 0.0 13.0 19.4#

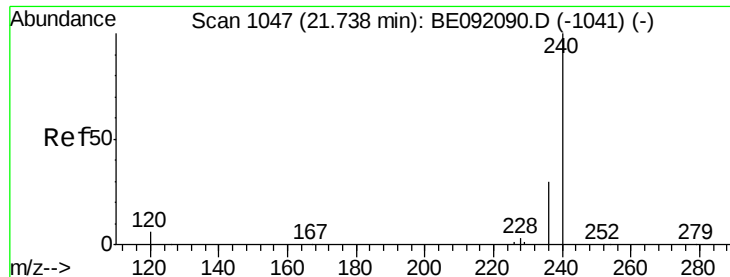


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

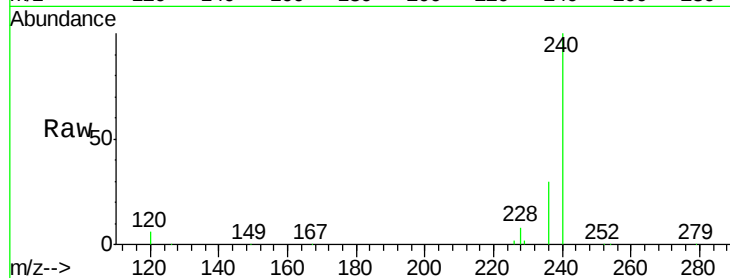




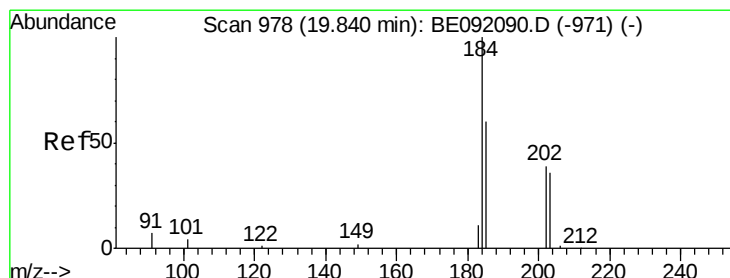
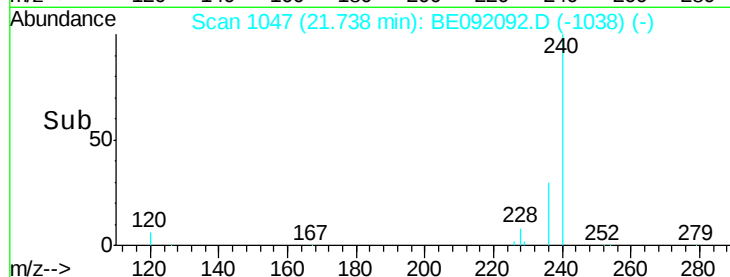
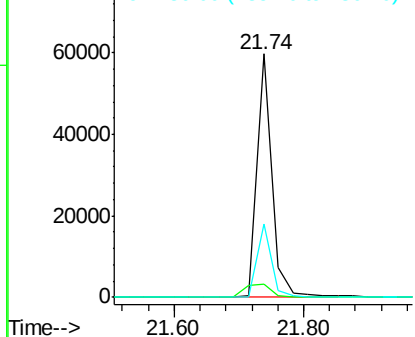
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 96493
Ion Ratio Lower Upper
240 100
120 5.7 0.6 1.0#
236 30.0 18.2 27.4#

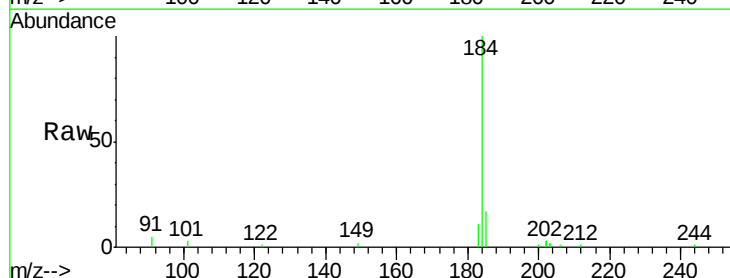


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

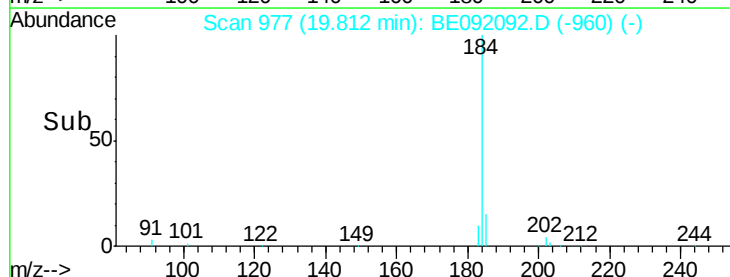
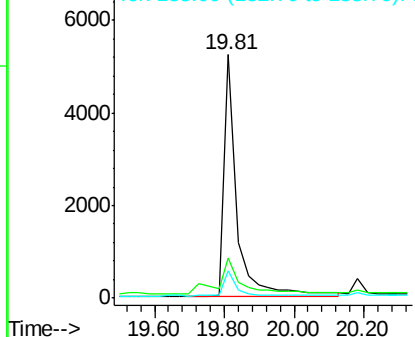


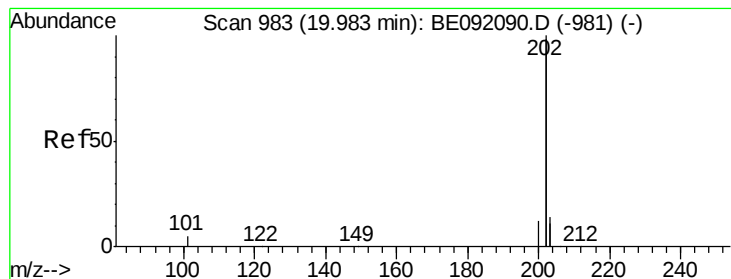
#32
Benzidine
Concen: 2.85 ng
RT: 19.81 min Scan# 977
Delta R.T. -0.03 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:184 Resp: 13520
Ion Ratio Lower Upper
184 100
185 16.6 23.8 35.6#
183 11.3 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

Pvrene

Concen: 1.45 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

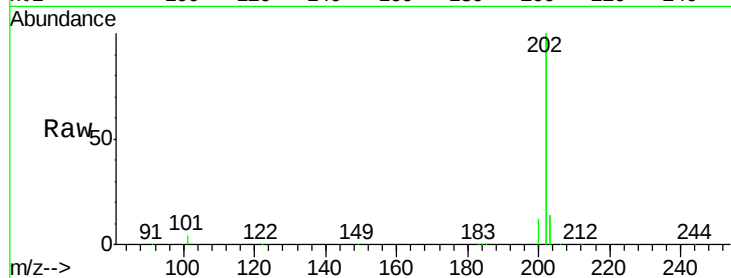
Tot Ion:202 Resp: 180642

Ion Ratio Lower Upper

202 100

200 5.8 4.4 6.6

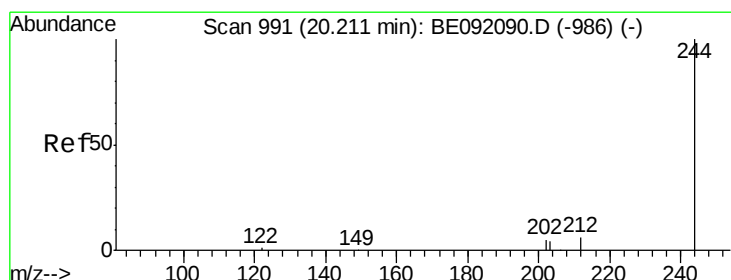
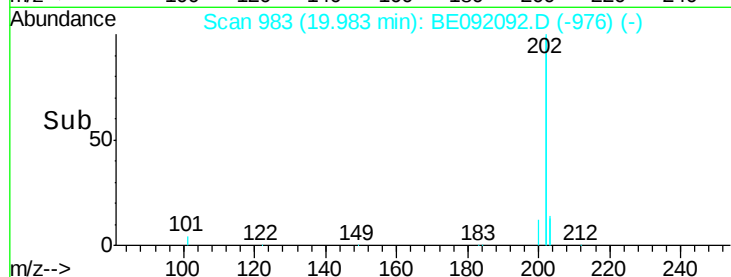
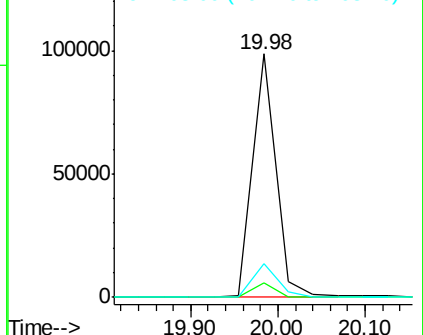
203 14.6 13.4 20.0



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: 0.90 ng

RT: 20.21 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

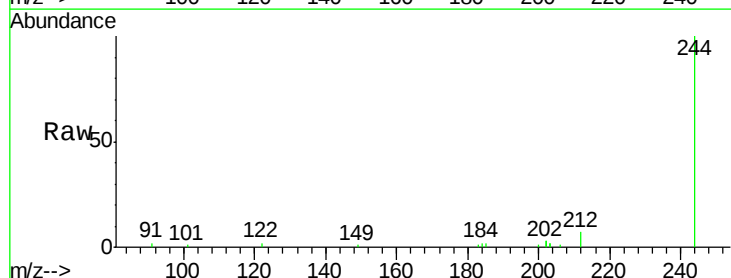
Tgt Ion:244 Resp: 16211

Ion Ratio Lower Upper

244 100

212 6.6 9.1 13.7#

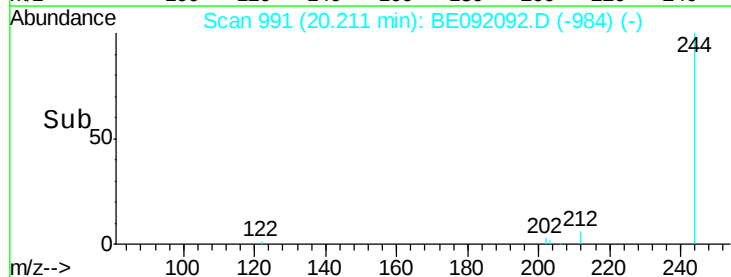
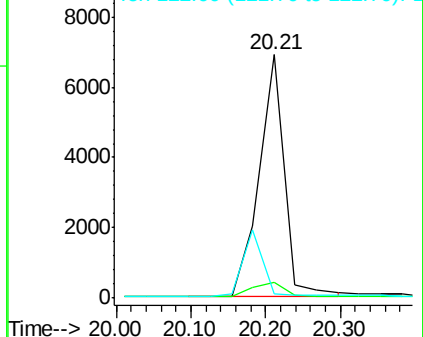
122 1.6 11.0 16.4#

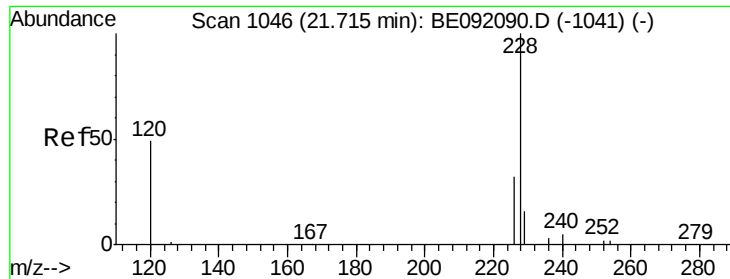


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

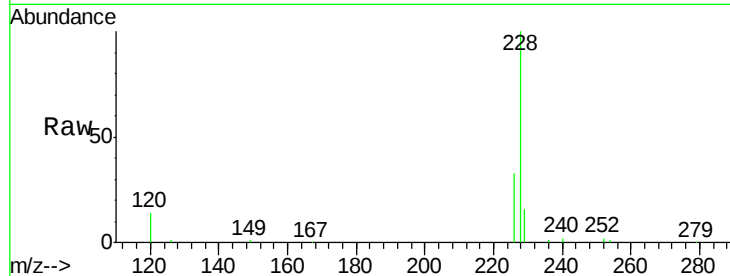




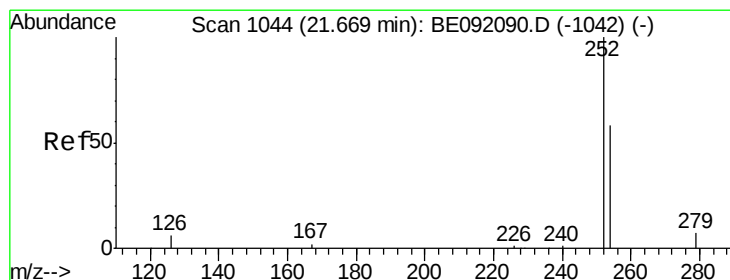
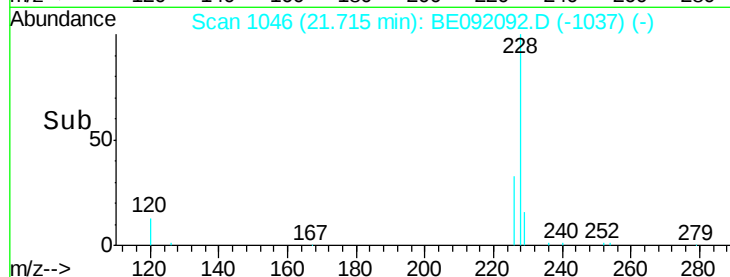
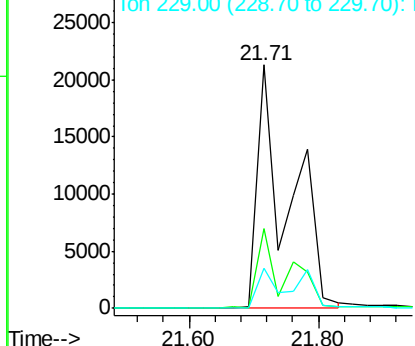
#35
Benzo(a)anthracene
Concen: 1.54 ng
RT: 21.71 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 71093
Ion Ratio Lower Upper
228 100
226 32.8 22.1 33.1
229 16.5 15.1 22.7

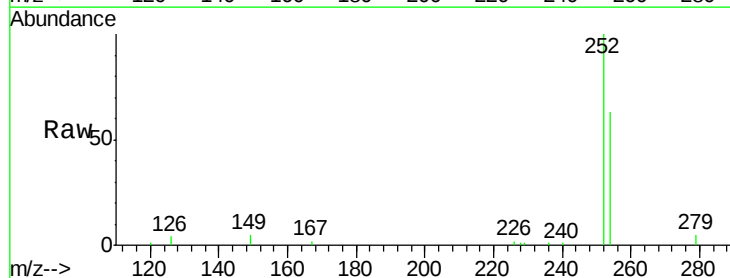


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

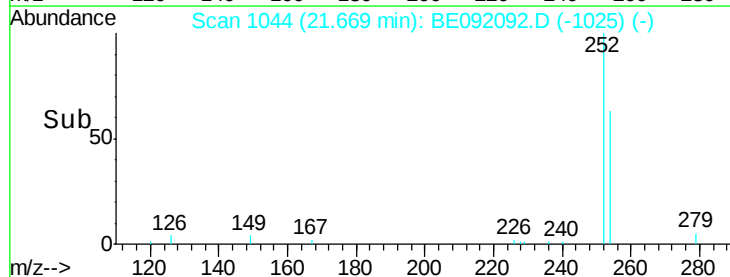
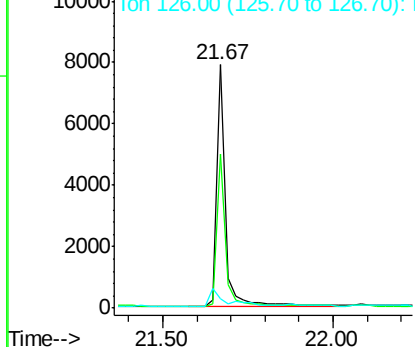


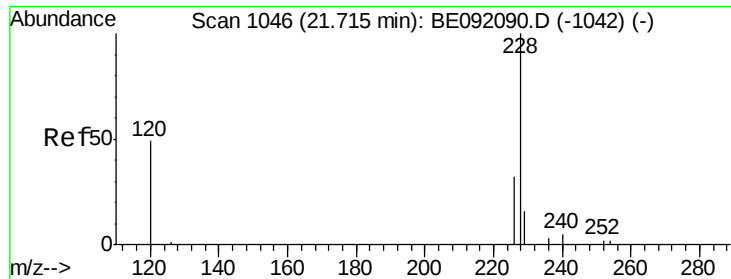
#36
3,3'-Dichlorobenzidine
Concen: 1.60 ng
RT: 21.67 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BE092092.D
Acq: 1 Aug 2016 14:19

Tgt Ion:252 Resp: 14244
Ion Ratio Lower Upper
252 100
254 63.2 44.2 66.2
126 3.9 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

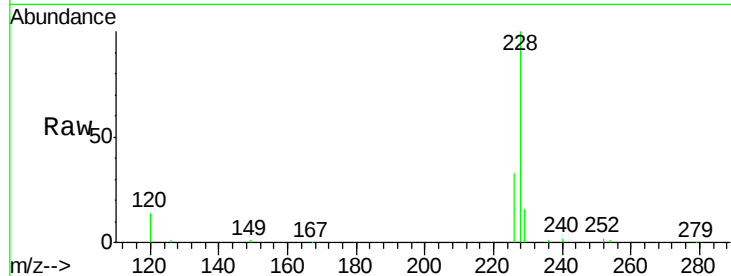




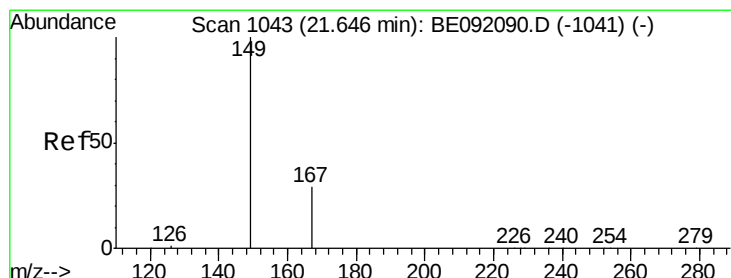
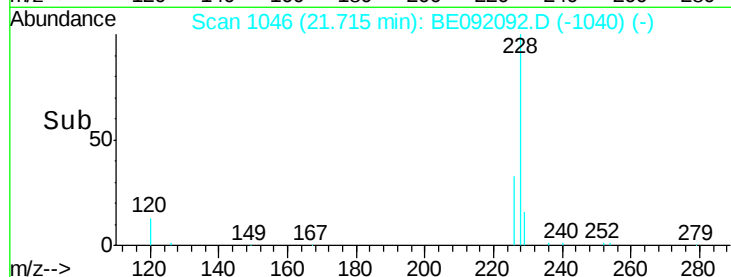
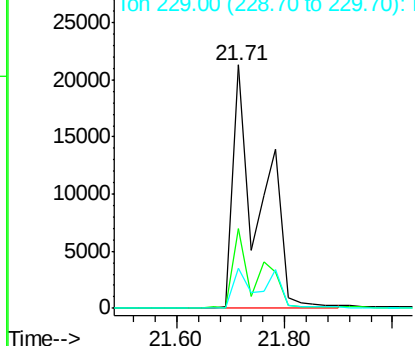
#37
 Chrysene
 Concen: 1.85 ng
 RT: 21.71 min Scan# 1046
 Delta R.T. -0.07 min
 Lab File: BE092092.D
 Acq: 1 Aug 2016 14:19

Instrument :
 BNA_E
 ClientSampleID :

Tot Ion:228 Resp: 72155
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.3 33.5
 229 16.5 16.9 25.3#

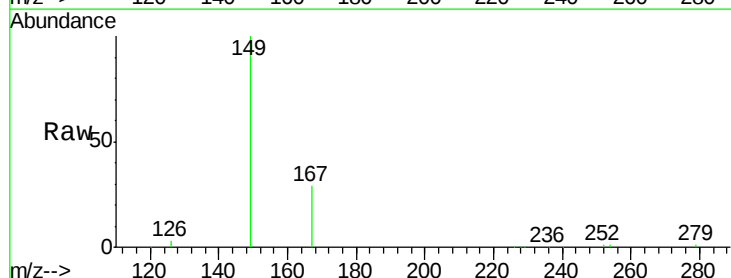


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

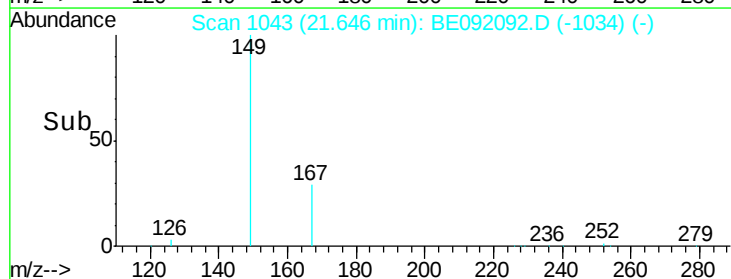
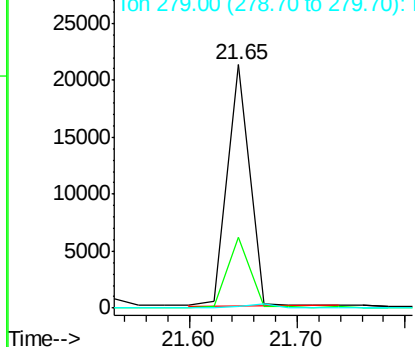


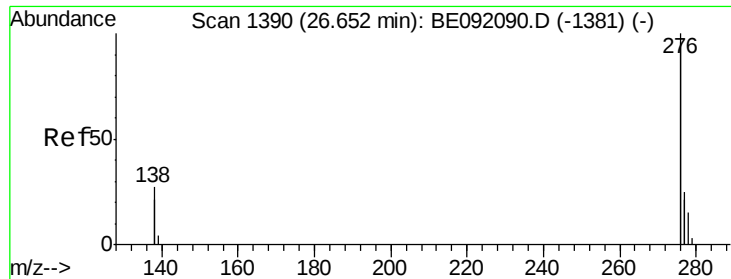
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.65 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE092092.D
 Acq: 1 Aug 2016 14:19

Tgt Ion:149 Resp: 30373
 Ion Ratio Lower Upper
 149 100
 167 28.9 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: 1.36 ng

RT: 26.65 min Scan# 1389

Delta R.T. -0.00 min

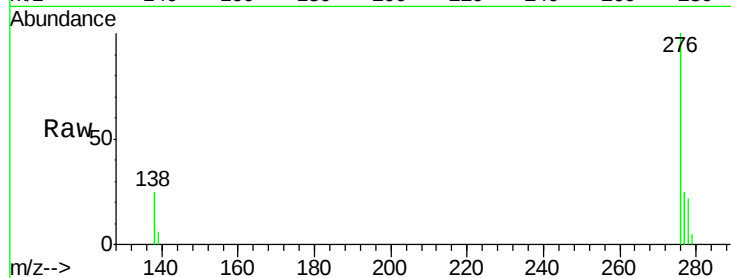
Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :



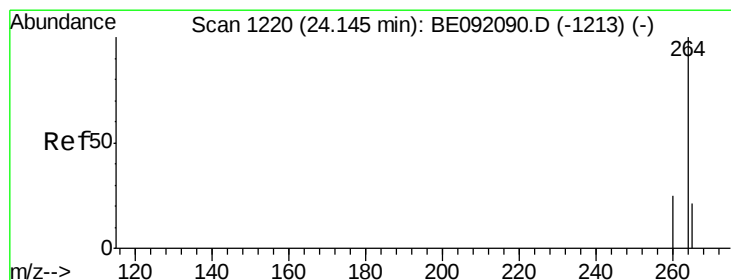
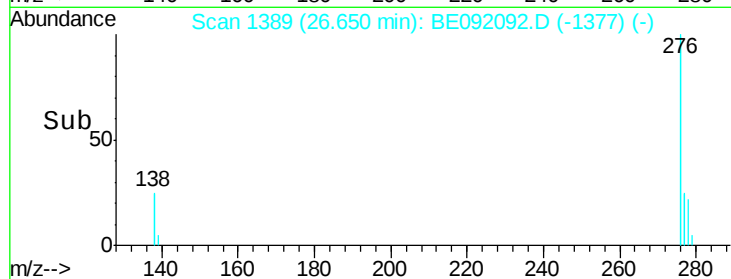
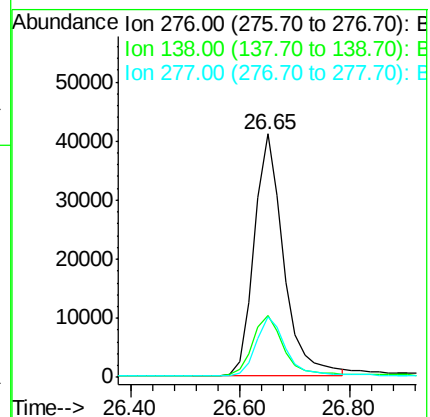
Tot Ion:276 Resp: 153849

Ion Ratio Lower Upper

276 100

138 26.1 21.2 31.8

277 24.7 19.8 29.8



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

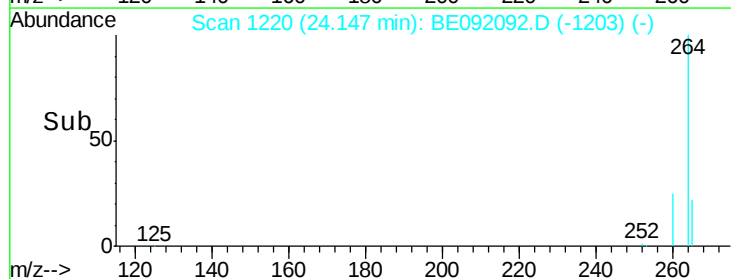
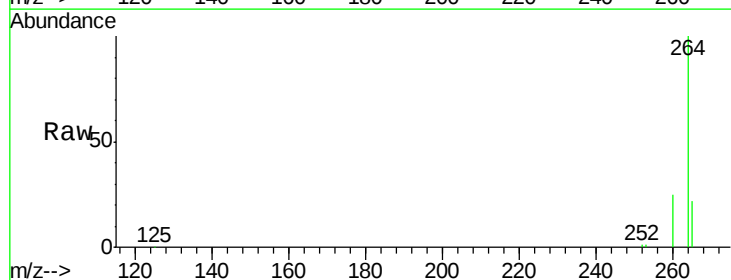
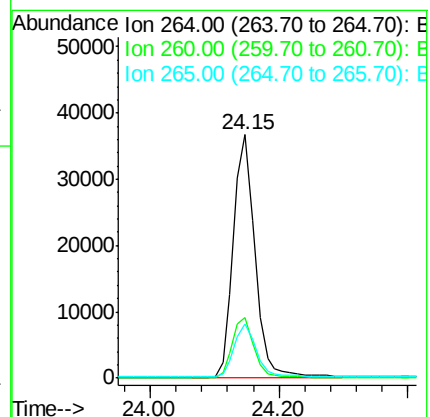
Tgt Ion:264 Resp: 85547

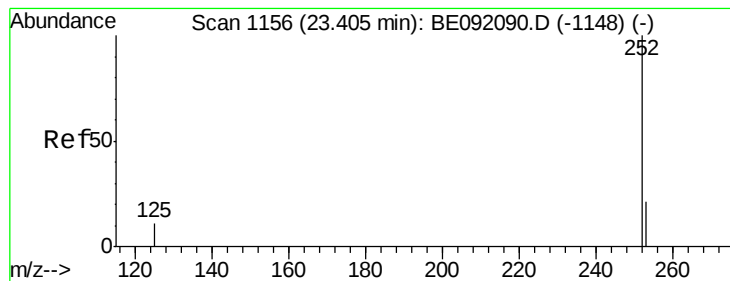
Ion Ratio Lower Upper

264 100

260 24.8 20.8 31.2

265 22.3 16.6 25.0





#41

Benzo(b)fluoranthene

Concen: 1.41 ng

RT: 23.41 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

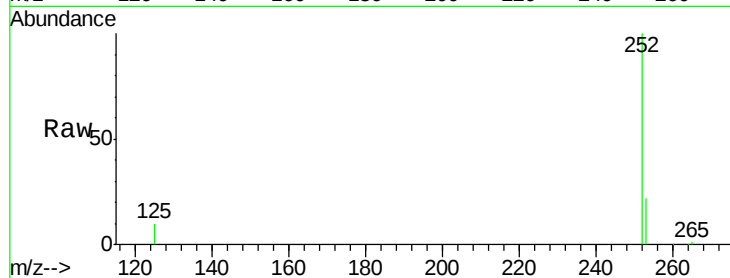
Tot Ion:252 Resp: 36563

Ion Ratio Lower Upper

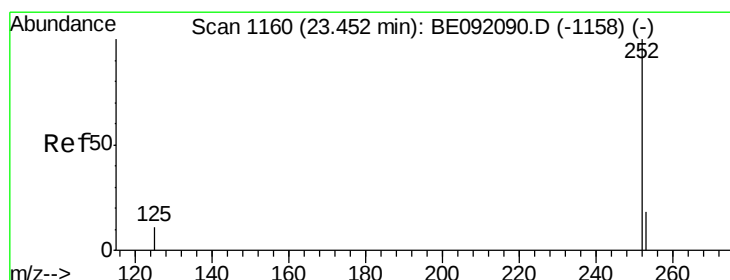
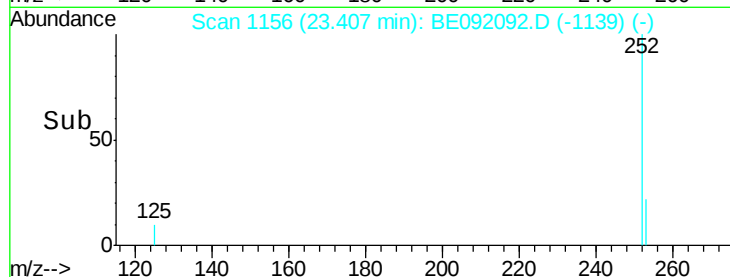
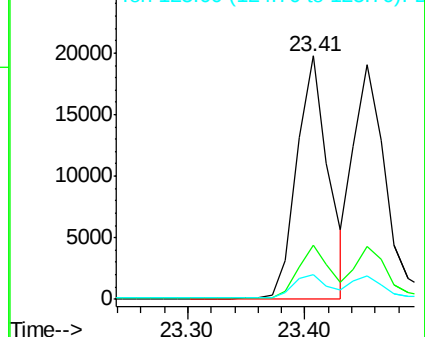
252 100

253 22.1 17.4 26.0

125 10.4 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: 1.35 ng

RT: 23.45 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

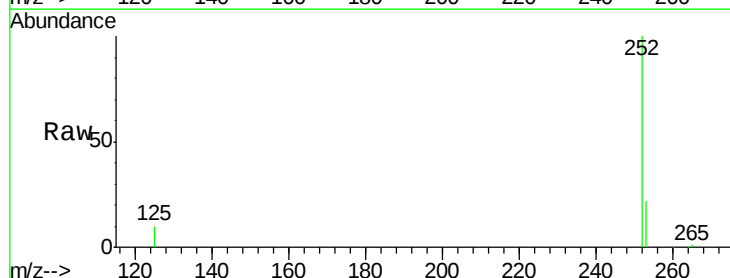
Tgt Ion:252 Resp: 36285

Ion Ratio Lower Upper

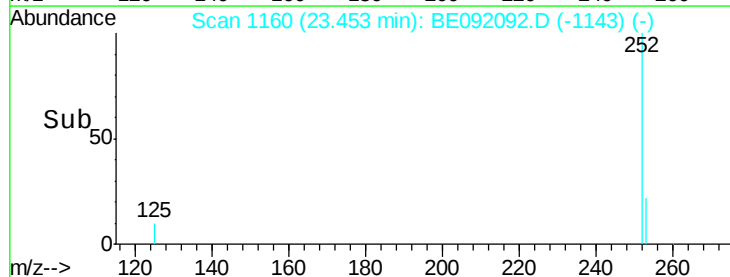
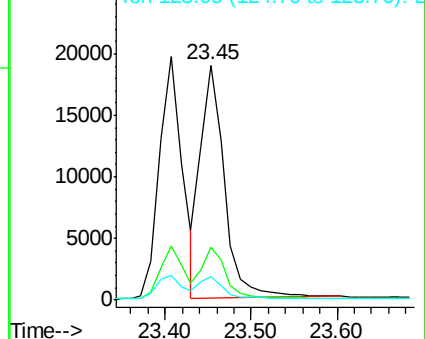
252 100

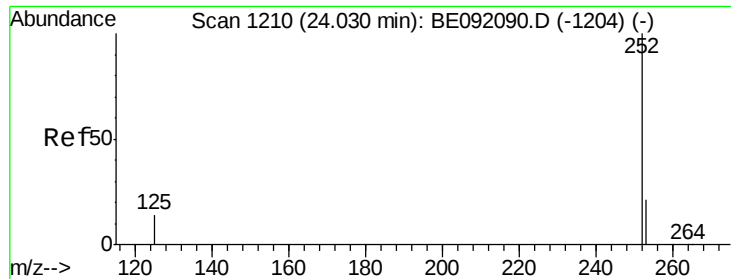
253 22.4 19.4 29.0

125 10.2 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: 1.62 ng

RT: 24.03 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :

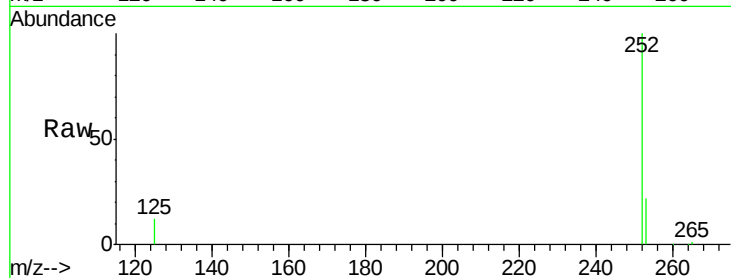
Tot Ion:252 Resp: 35255

Ion Ratio Lower Upper

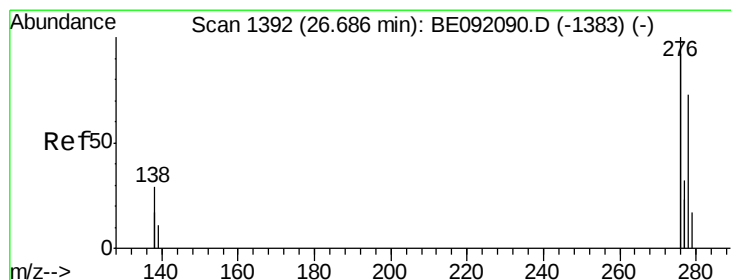
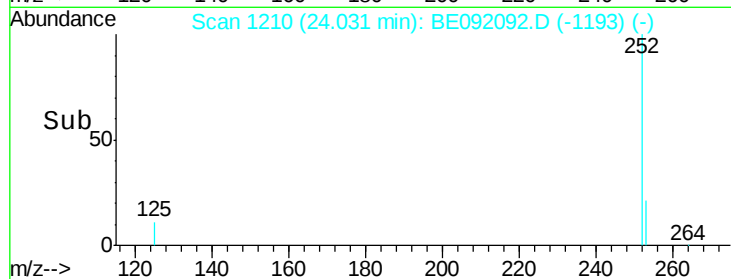
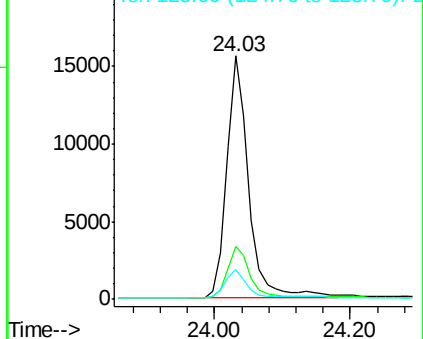
252 100

253 21.9 19.8 29.8

125 12.1 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: 1.67 ng

RT: 26.67 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

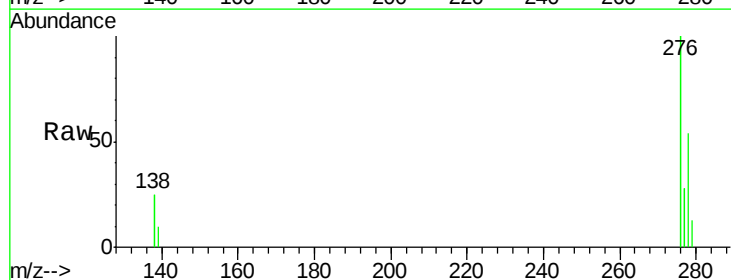
Tgt Ion:278 Resp: 31678

Ion Ratio Lower Upper

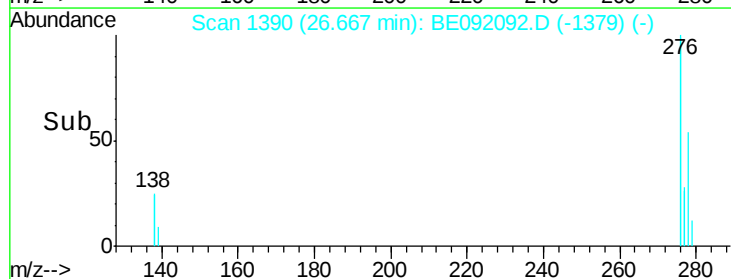
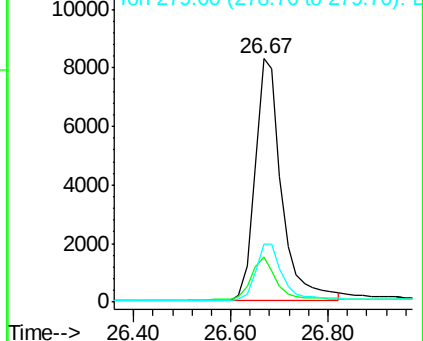
278 100

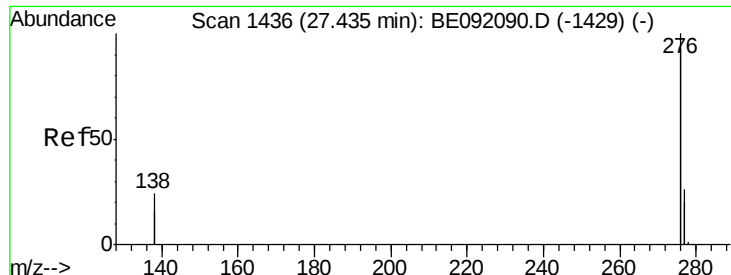
139 18.4 16.7 25.1

279 23.8 20.3 30.5



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





#45

Benzo(a,h,i)perylene

Concen: 1.68 ng

RT: 27.42 min Scan# 1434

Delta R.T. -0.02 min

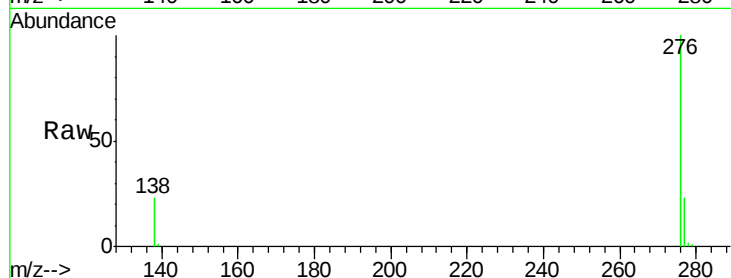
Lab File: BE092092.D

Acq: 1 Aug 2016 14:19

Instrument :

BNA_E

ClientSampleId :



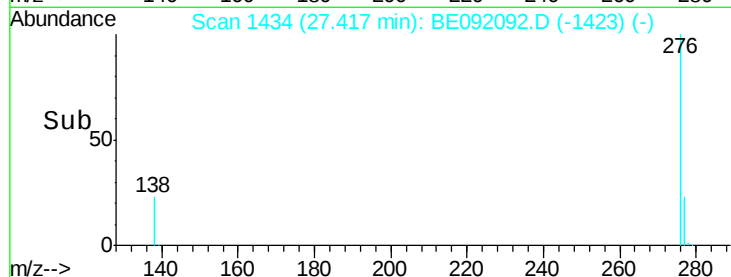
Tot Ion: 276 Resp: 133453

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 22.7 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

