

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093015\
 Data File : BE090984.D
 Acq On : 30 Sep 2015 18:22
 Operator : UM/IZ
 Sample : G3778-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 S39-9002MSD

Quant Time: Oct 01 01:58:47 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 16:01:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	17938	5.00	ng	0.00
7) Naphthalene-d8	10.23	136	82891	5.00	ng	-0.01
13) Acenaphthene-d10	14.11	164	44048	5.00	ng	0.00
19) Phenanthrene-d10	16.86	188	100900	5.00	ng	0.00
26) Chrysene-d12	21.02	240	134180	5.00	ng	0.00
35) Perylene-d12	23.27	264	121945	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.12	112	9486	2.66	ng	0.00
5) Phenol-d6	6.68	99	42445	9.24	ng	-0.03
8) Nitrobenzene-d5	8.63	82	24182	4.44	ng	-0.02
14) 2,4,6-Tribromophenol	15.62	330	3189	2.22	ng	-0.02
15) 2-Fluorobiphenyl	12.73	172	53784	4.51	ng	-0.02
29) Terphenyl-d14	19.48	244	84398	5.10	ng	-0.02

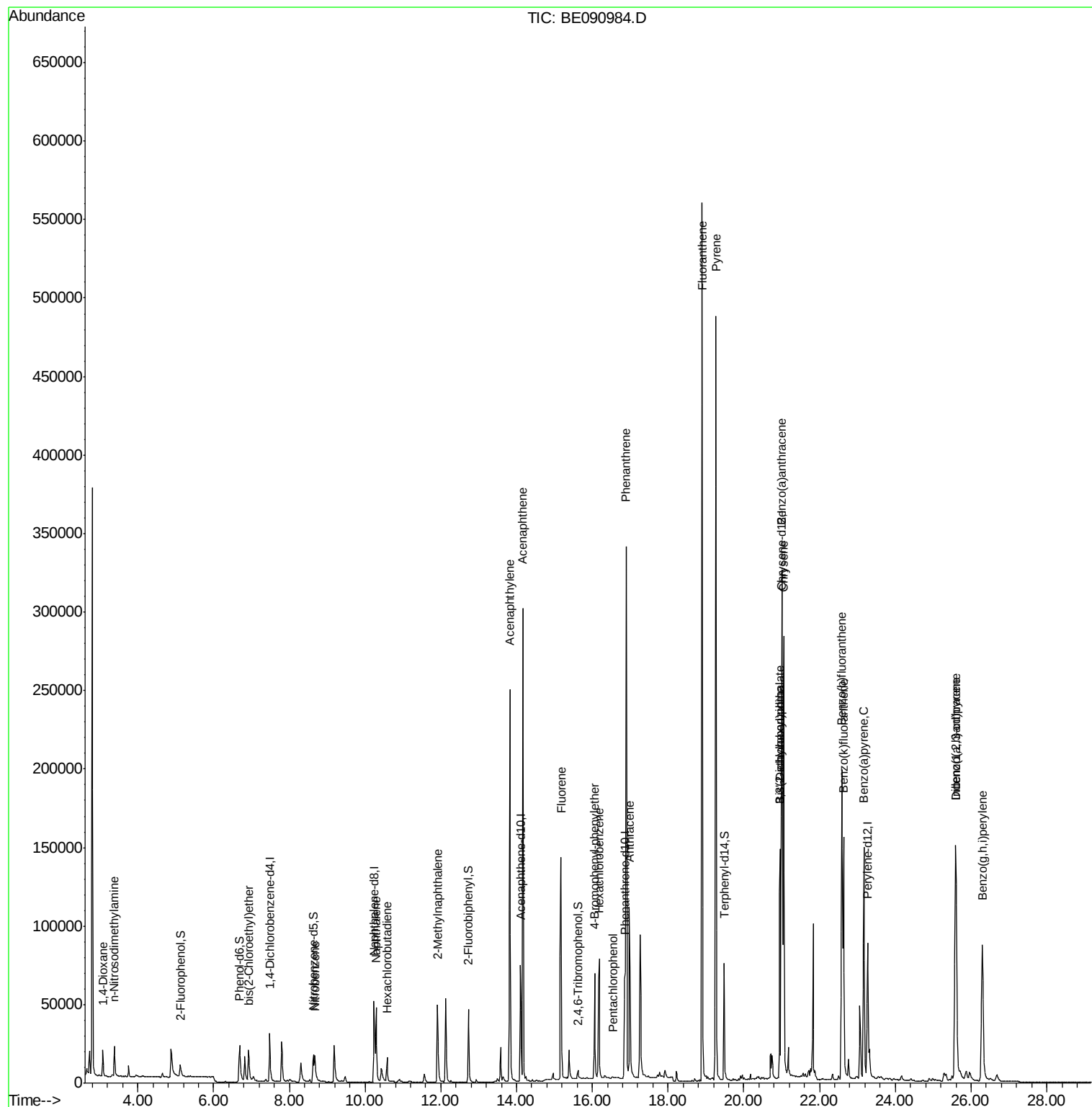
Target Compounds						Qvalue
2) 1,4-Dioxane	3.08	88	9643	4.14	ng	# 96
3) n-Nitrosodimethylamine	3.37	42	11809	4.22	ng	# 88
6) bis(2-Chloroethyl)ether	6.92	93	20576	4.22	ng	# 77
9) Nitrobenzene	8.67	77	25023	4.07	ng	100
10) Naphthalene	10.29	128	75784	4.76	ng	99
11) Hexachlorobutadiene	10.58	225	11494	4.56	ng	99
12) 2-Methylnaphthalene	11.91	142	48628	4.62	ng	97
16) Acenaphthylene	13.82	152	329286	4.48	ng	100
17) Acenaphthene	14.17	154	56141	4.78	ng	97
18) Fluorene	15.17	166	78971	5.44	ng	99
20) 4-Bromophenyl-phenylether	16.06	248	17691	4.64	ng	95
21) Hexachlorobenzene	16.18	284	84535	4.97	ng	99
22) Pentachlorophenol	16.54	266	791	0.73	ng	98
23) Phenanthrene	16.89	178	368866	16.25	ng	99
24) Anthracene	16.98	178	157684	7.19	ng	99
25) Fluoranthene	18.90	202	505622	19.41	ng	99
28) Pyrene	19.26	202	436049	14.17	ng	97
30) Benzo(a)anthracene	21.00	228	282345	9.46	ng	98
31) 3,3'-Dichlorobenzidine	20.95	252	14068	2.72	ng	99
32) Chrysene	21.05	228	267367	8.69	ng	98
33) Bis(2-ethylhexyl)phthalate	20.95	149	122536	7.83	ng	98
34) Indeno(1,2,3-cd)pyrene	25.59	276	220948	6.54	ng	98
36) Benzo(b)fluoranthene	22.59	252	270140	10.05	ng	99
37) Benzo(k)fluoranthene	22.63	252	219934	6.81	ng	98
38) Benzo(a)pyrene	23.17	252	213242	8.56	ng	99
39) Dibenzo(a,h)anthracene	25.60	278	141962	5.77	ng	99
40) Benzo(g,h,i)perylene	26.30	276	196341	7.34	ng	98

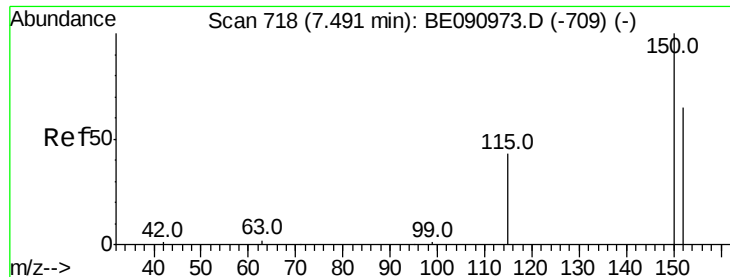
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093015\
Data File : BE090984.D
Acq On : 30 Sep 2015 18:22
Operator : UM/IZ
Sample : G3778-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
S39-9002MSD

Quant Time: Oct 01 01:58:47 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 16:01:03 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 717

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

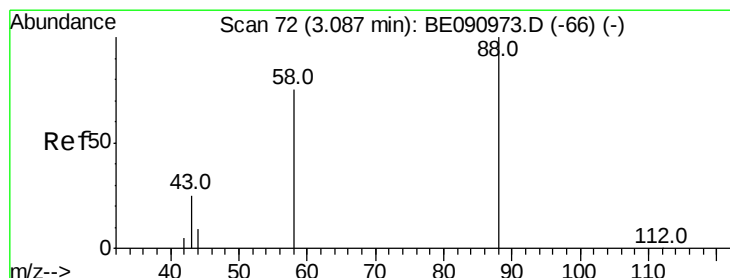
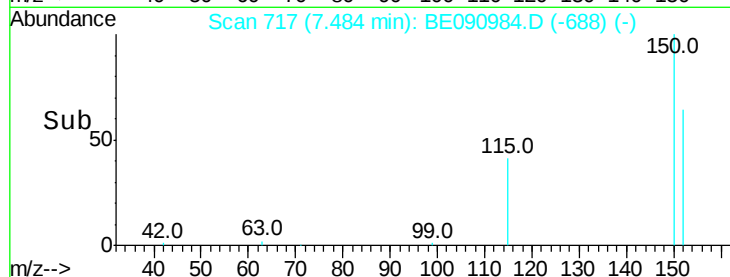
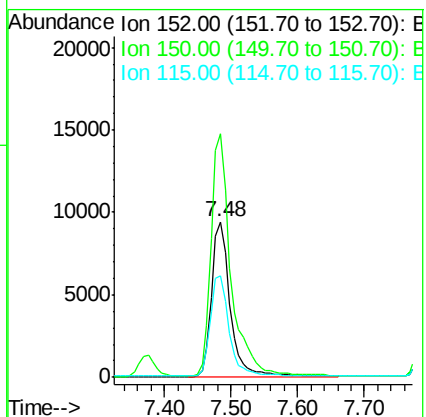
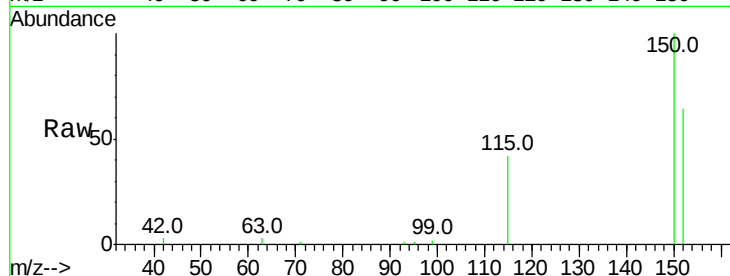
Tot Ion:152 Resp: 17938

Ion Ratio Lower Upper

152 100

150 156.3 122.6 183.8

115 64.9 52.8 79.2



#2

1,4-Dioxane

Concen: 4.14 ng

RT: 3.08 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

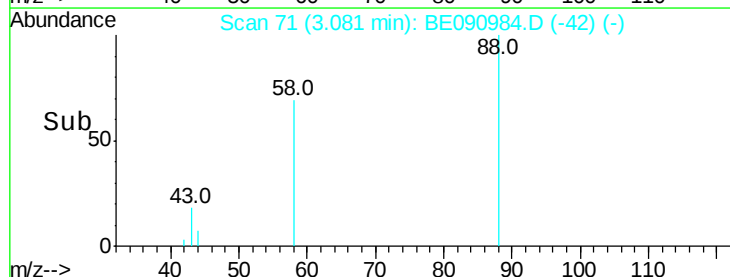
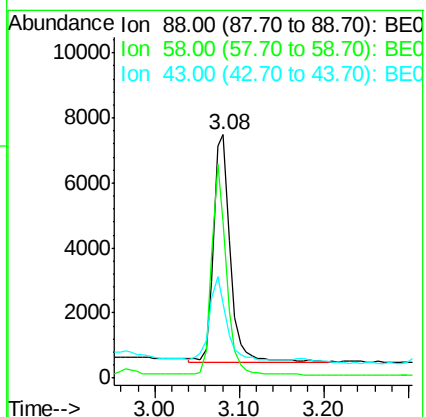
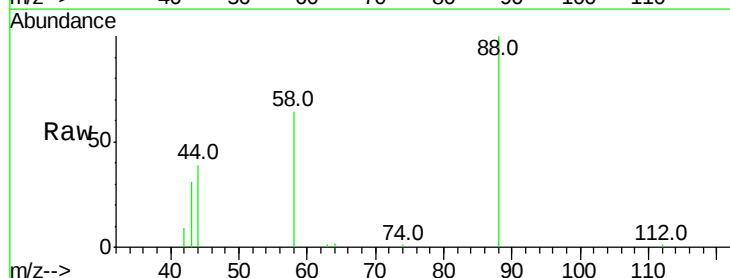
Tgt Ion: 88 Resp: 9643

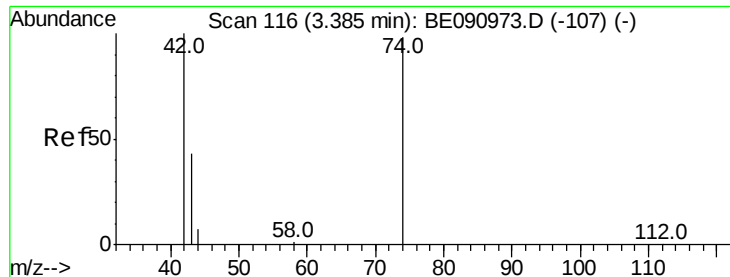
Ion Ratio Lower Upper

88 100

58 81.7 65.8 98.6

43 38.3 25.3 37.9#





#3

n-Nitrosodimethylamine

Concen: 4.22 ng

RT: 3.37 min Scan# 114

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

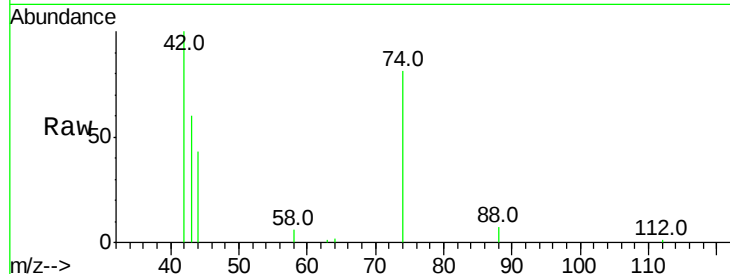
Tot Ion: 42 Resp: 11809

Ion Ratio Lower Upper

42 100

74 123.7 87.9 131.9

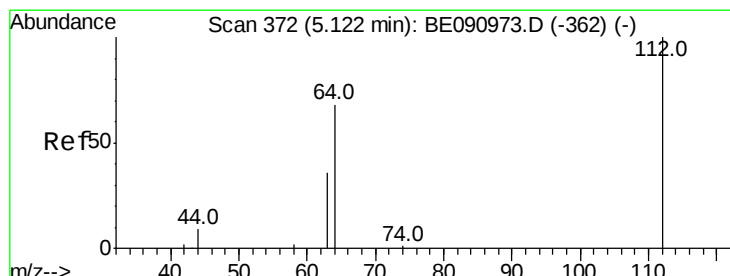
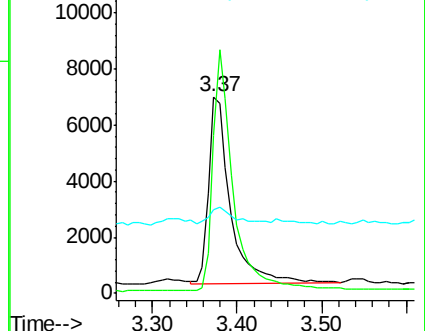
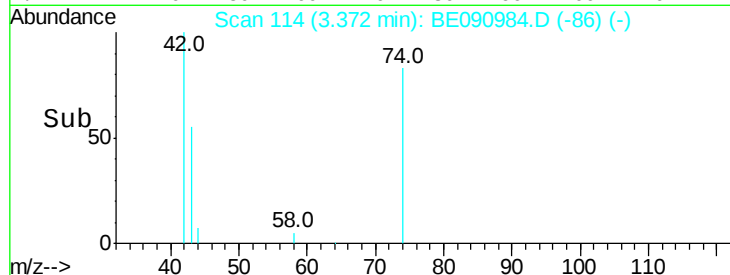
44 10.0 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE090973.D (-107) (-)

Ion 74.00 (73.70 to 74.70): BE090973.D (-107) (-)

Ion 44.00 (43.70 to 44.70): BE090973.D (-107) (-)



#4

2-Fluorophenol

Concen: 2.66 ng

RT: 5.12 min Scan# 371

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

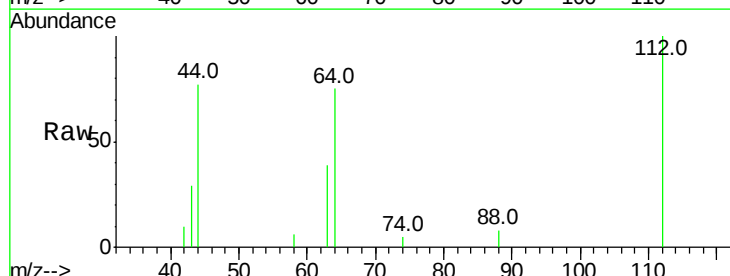
Tgt Ion: 112 Resp: 9486

Ion Ratio Lower Upper

112 100

64 70.3 30.9 46.3#

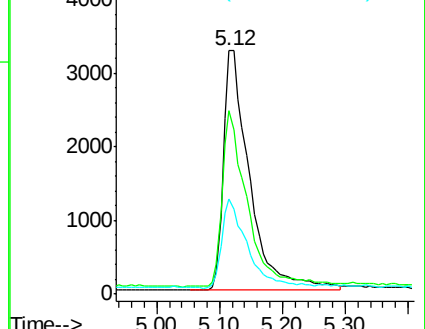
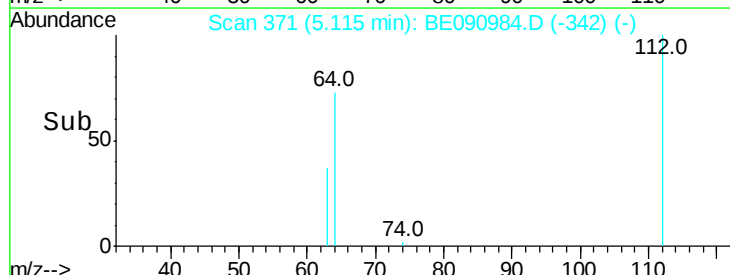
63 36.7 16.7 25.1#

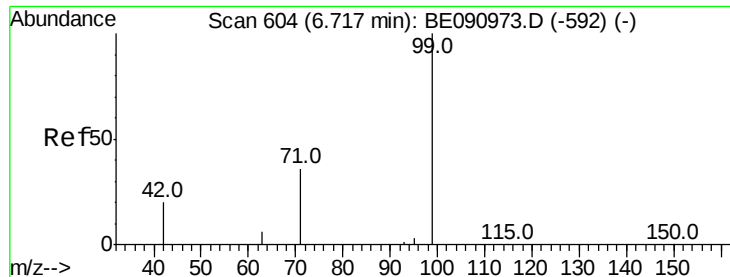


Abundance Ion 112.00 (111.70 to 112.70): BE090973.D (-362) (-)

Ion 64.00 (63.70 to 64.70): BE090973.D (-362) (-)

Ion 63.00 (62.70 to 63.70): BE090973.D (-362) (-)





#5

Phenol-d6

Concen: 9.24 ng

RT: 6.68 min Scan# 599

Delta R.T. -0.03 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

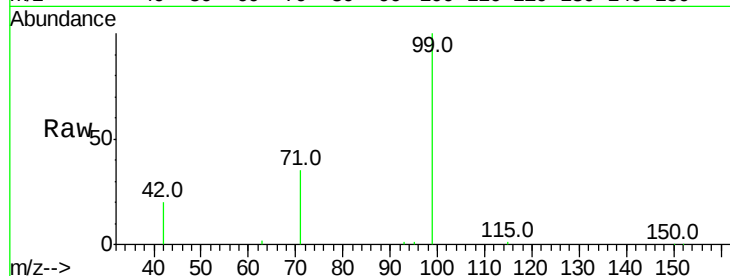
Tot Ion: 99 Resp: 42445

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

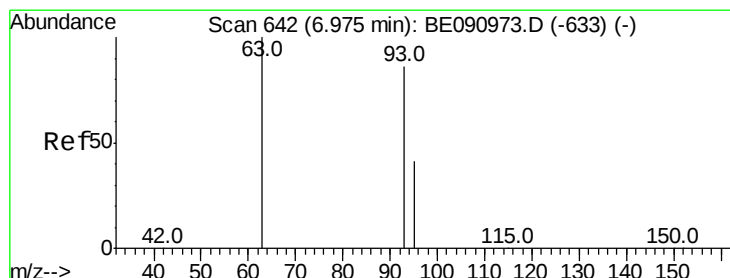
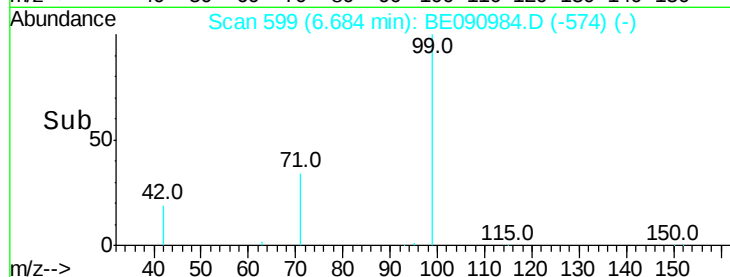
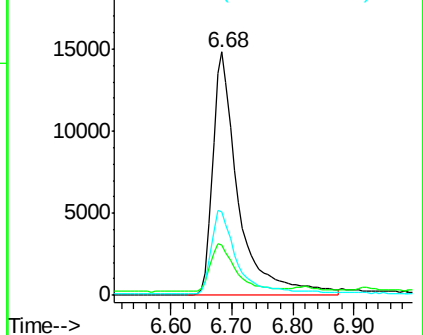
71 35.6 29.0 43.4



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: 4.22 ng

RT: 6.92 min Scan# 634

Delta R.T. -0.05 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

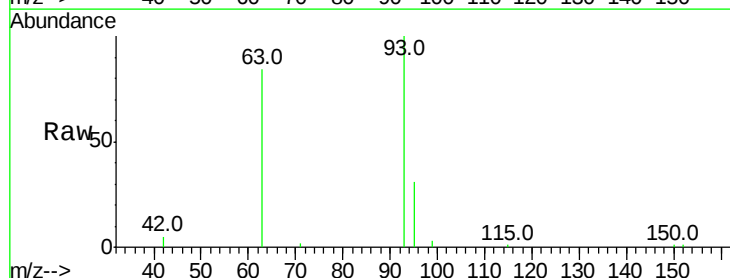
Tgt Ion: 93 Resp: 20576

Ion Ratio Lower Upper

93 100

63 84.4 49.5 74.3#

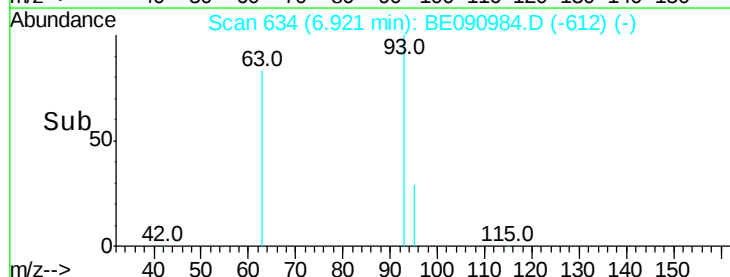
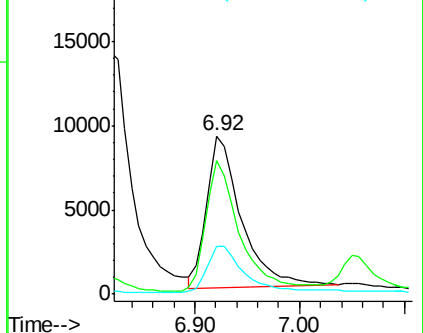
95 32.5 22.2 33.4

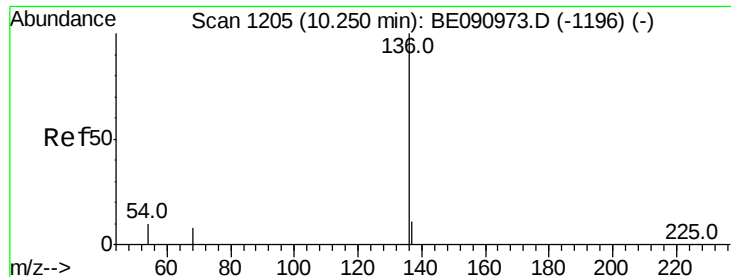


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.23 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

Tot Ion:136 Resp: 82891

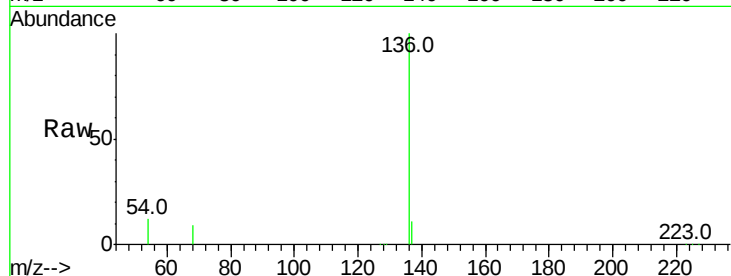
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 11.7 8.2 12.4

68 8.5 6.2 9.4



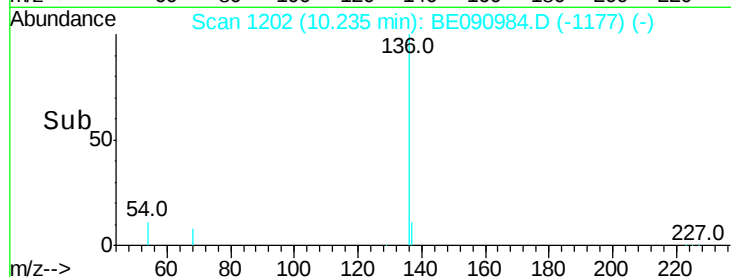
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

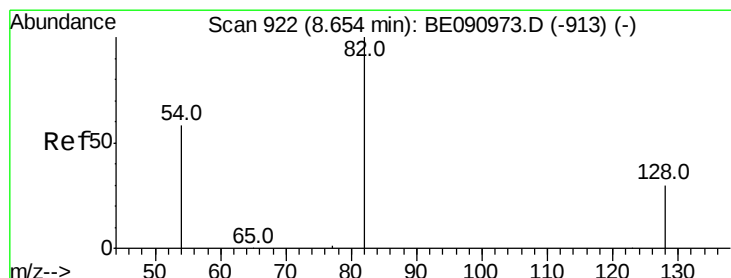
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 4.44 ng

RT: 8.63 min Scan# 917

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

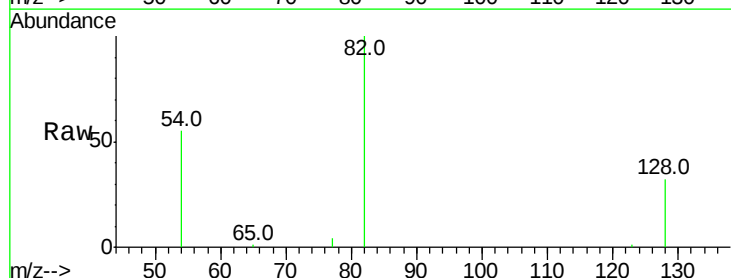
Tgt Ion: 82 Resp: 24182

Ion Ratio Lower Upper

82 100

128 31.8 25.4 38.0

54 55.4 48.4 72.6

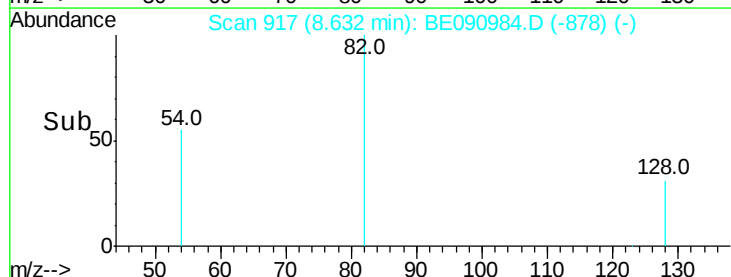


Abundance Ion 82.00 (81.70 to 82.70): BE0

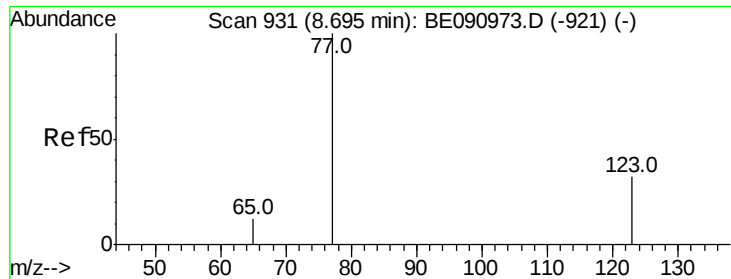
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Nitrobenzene

Concen: 4.07 ng

RT: 8.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

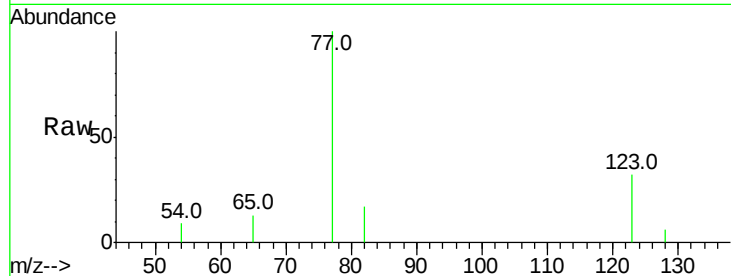
Tot Ion: 77 Resp: 25023

Ion Ratio Lower Upper

77 100

123 33.6 26.9 40.3

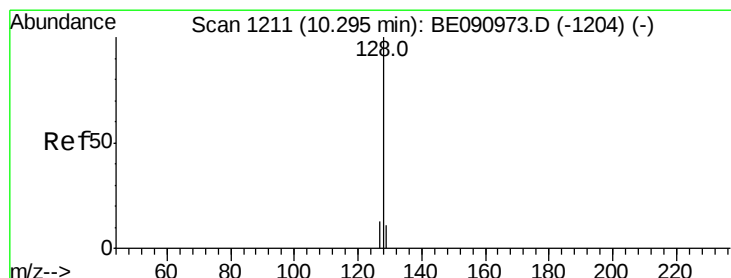
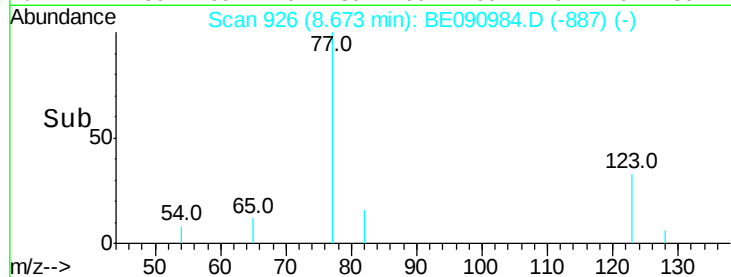
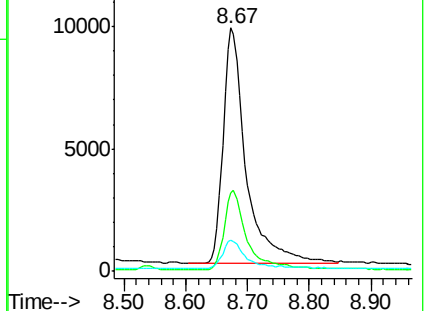
65 12.0 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE090973.D (-921) (-)

Ion 123.00 (122.70 to 123.70): BE090973.D (-921) (-)

Ion 65.00 (64.70 to 65.70): BE090973.D (-921) (-)



#10

Naphthalene

Concen: 4.76 ng

RT: 10.29 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

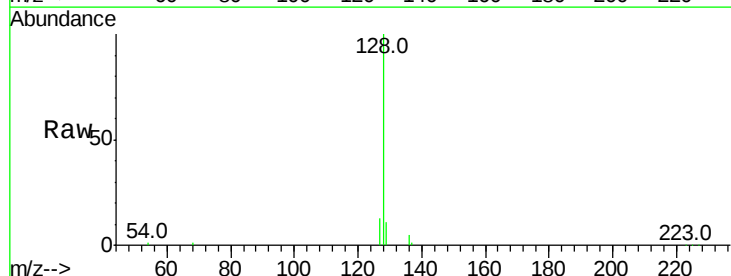
Tgt Ion: 128 Resp: 75784

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

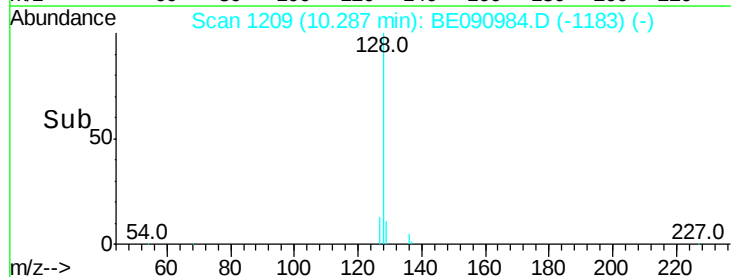
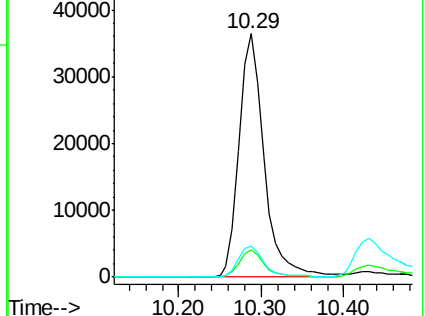
127 12.8 10.7 16.1

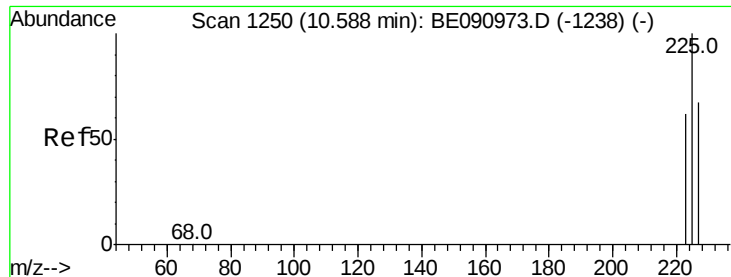


Abundance Ion 128.00 (127.70 to 128.70): BE090973.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090973.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090973.D (-1204) (-)

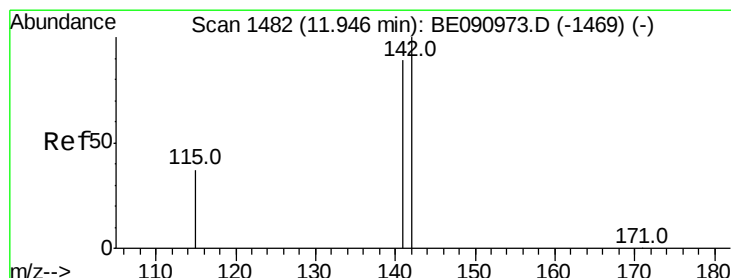
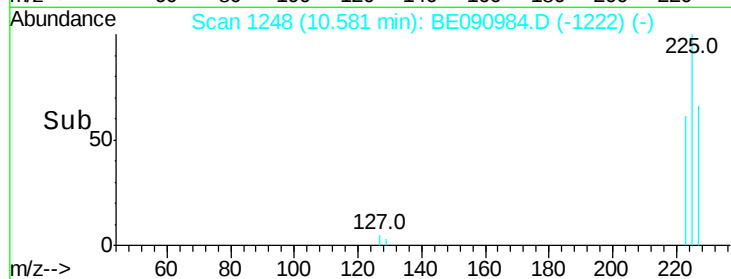
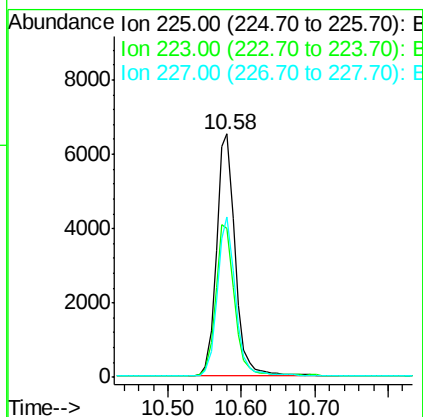
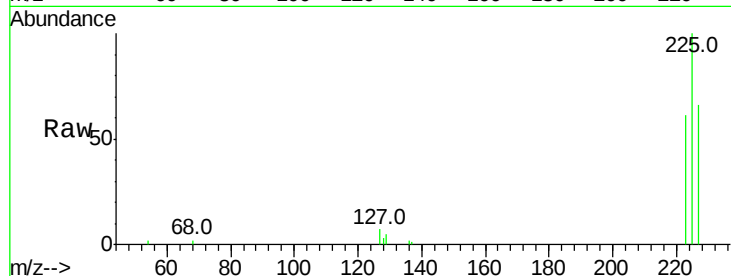




#11
Hexachlorobutadiene
Concen: 4.56 ng
RT: 10.58 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

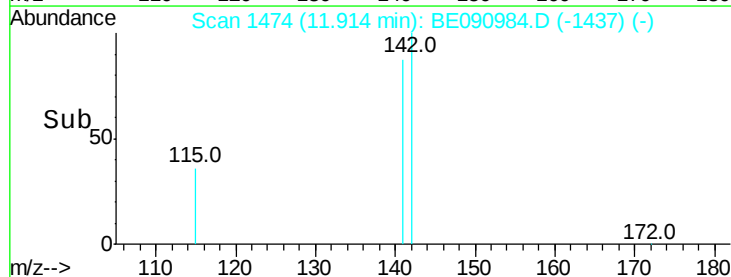
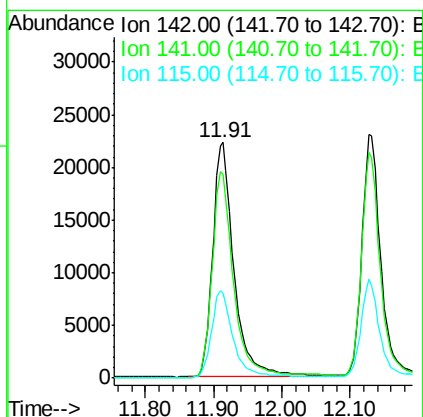
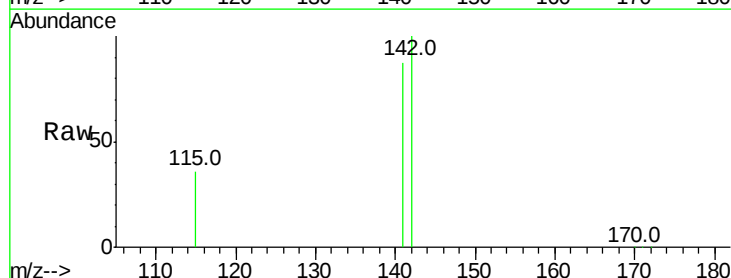
Instrument :
BNA_E
ClientSampleId :
S39-9002MSD

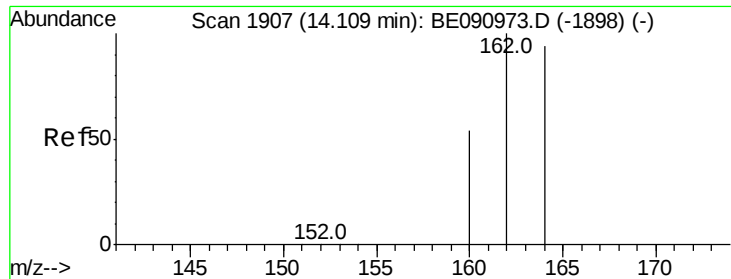
Tot Ion:225 Resp: 11494
Ion Ratio Lower Upper
225 100
223 62.7 49.0 73.6
227 63.5 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.62 ng
RT: 11.91 min Scan# 1474
Delta R.T. -0.03 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

Tgt Ion:142 Resp: 48628
Ion Ratio Lower Upper
142 100
141 86.8 71.4 107.0
115 36.1 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.11 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

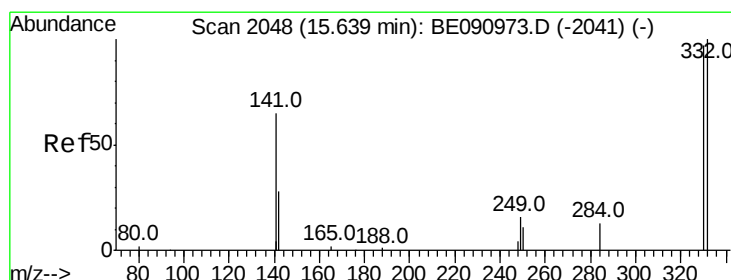
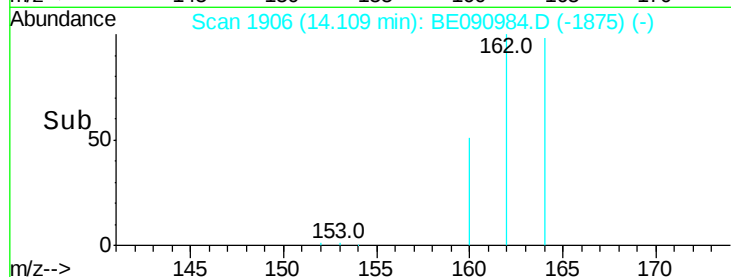
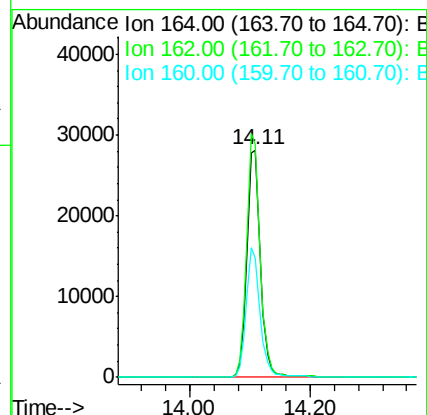
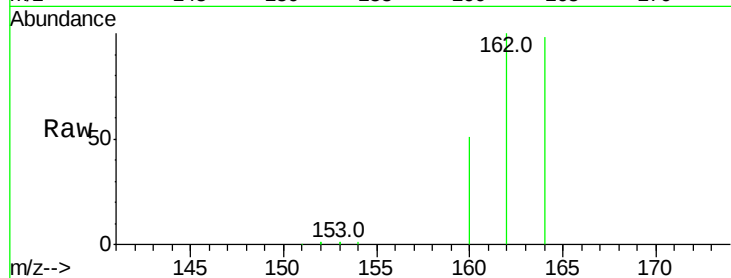
Tot Ion:164 Resp: 44048

Ion Ratio Lower Upper

164 100

162 102.4 85.3 127.9

160 52.3 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 2.22 ng

RT: 15.62 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

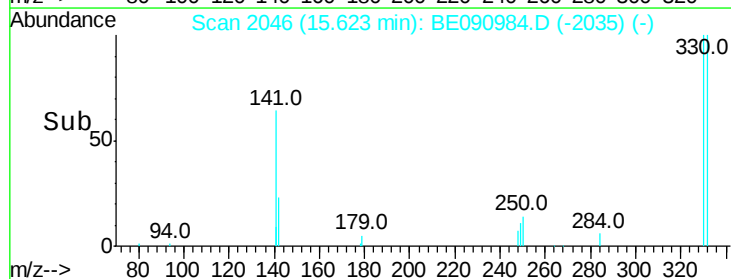
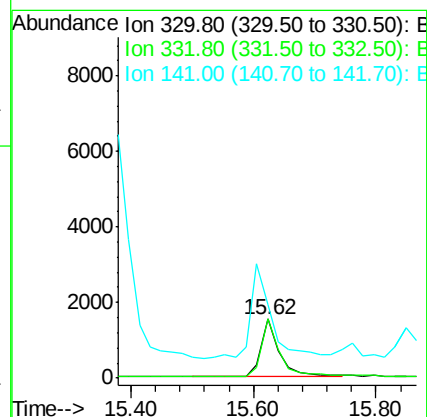
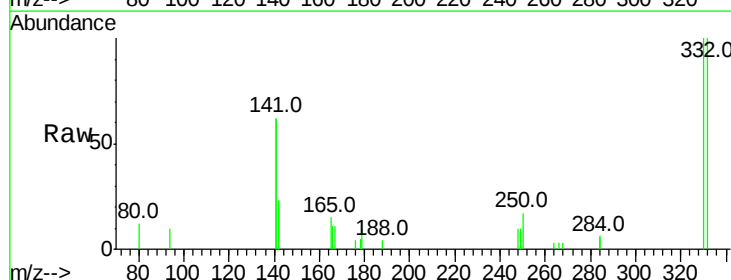
Tgt Ion:330 Resp: 3189

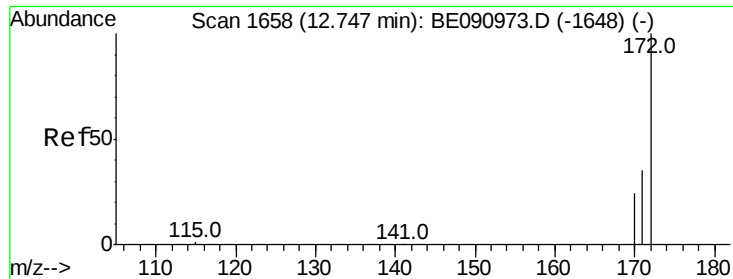
Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

141 177.7 125.4 188.0

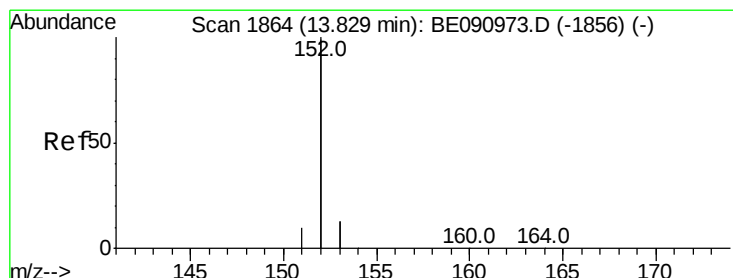
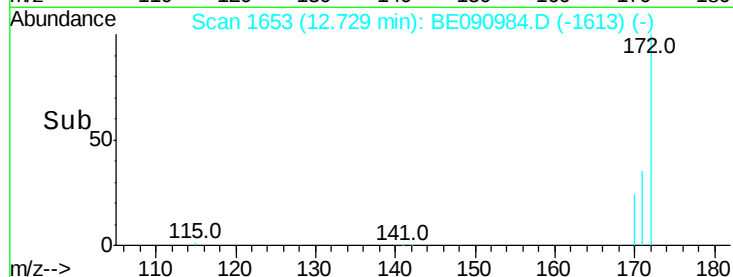
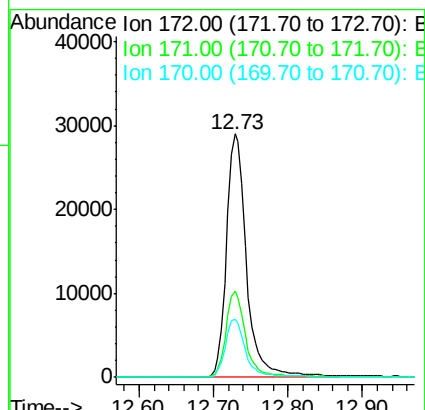
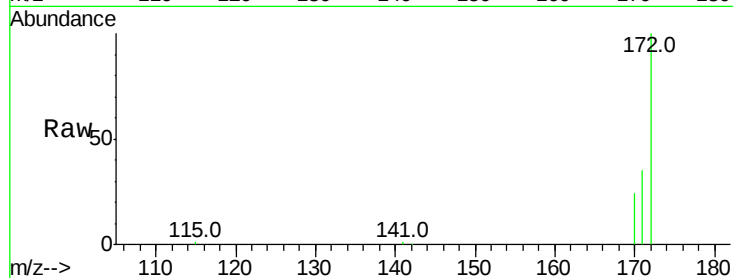




#15
2-Fluorobiphenyl
Concen: 4.51 ng
RT: 12.73 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

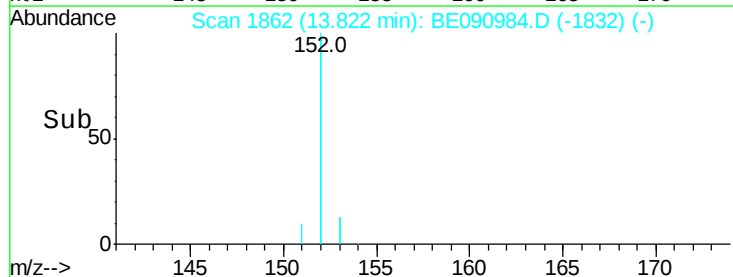
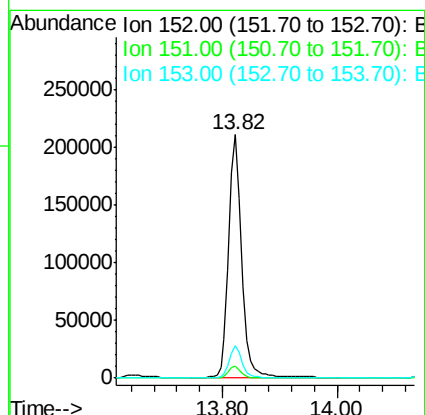
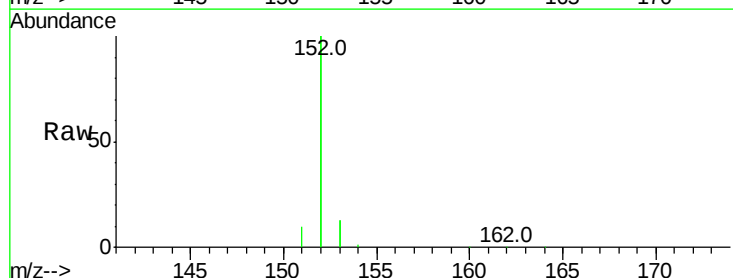
Instrument :
BNA_E
ClientSampleId :
S39-9002MSD

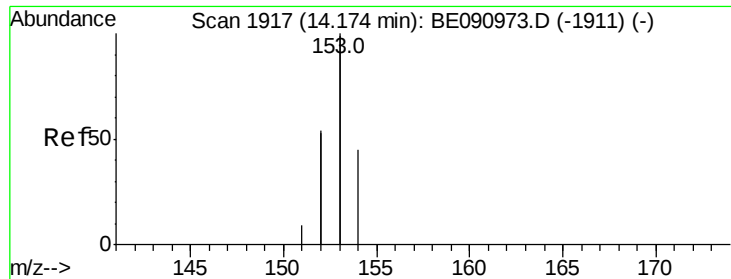
Tot Ion:172 Resp: 53784
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.8 19.3 28.9



#16
Acenaphthylene
Concen: 4.48 ng
RT: 13.82 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

Tgt Ion:152 Resp: 329286
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.0 10.3 15.5





#17

Acenaphthene

Concen: 4.78 ng

RT: 14.17 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

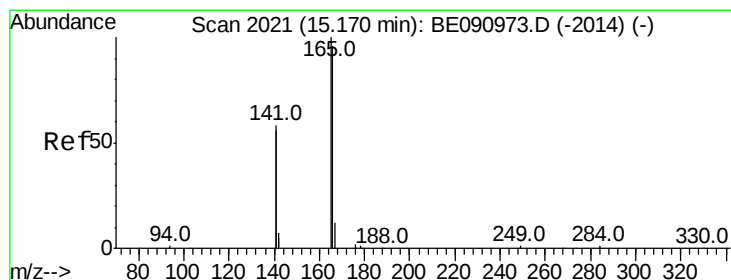
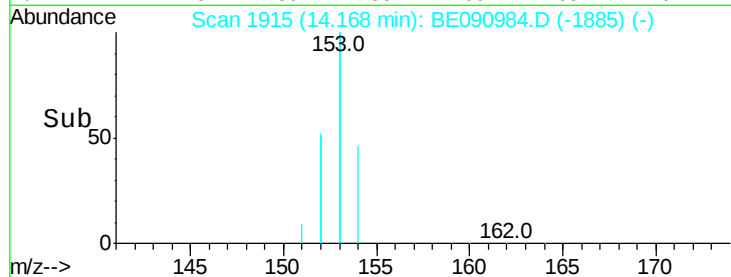
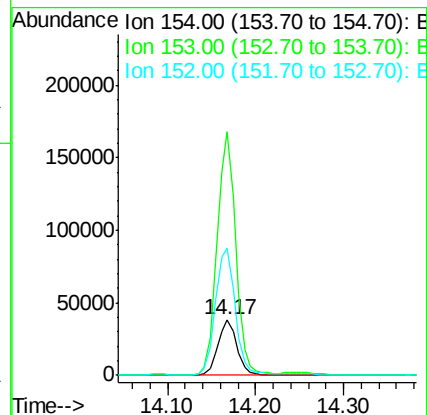
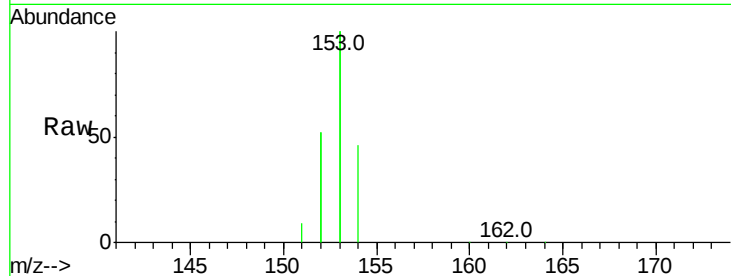
Tot Ion:154 Resp: 56141

Ion Ratio Lower Upper

154 100

153 437.1 352.0 528.0

152 241.5 200.0 300.0



#18

Fluorene

Concen: 5.44 ng

RT: 15.17 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

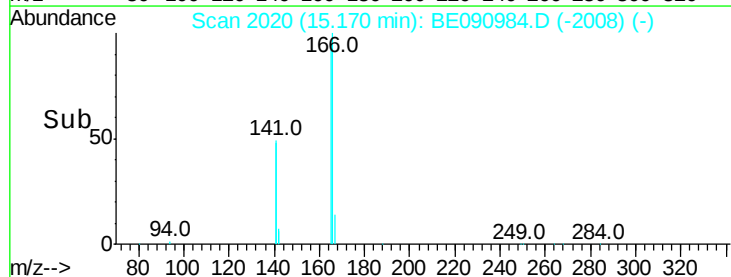
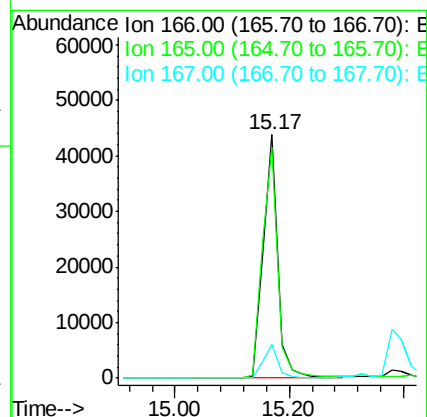
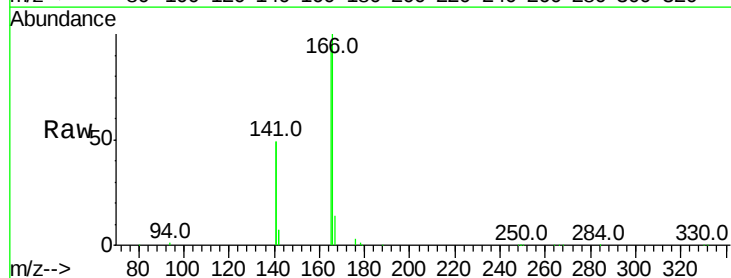
Tgt Ion:166 Resp: 78971

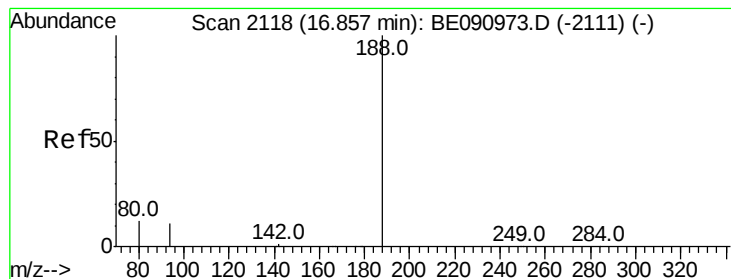
Ion Ratio Lower Upper

166 100

165 99.4 80.8 121.2

167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.86 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

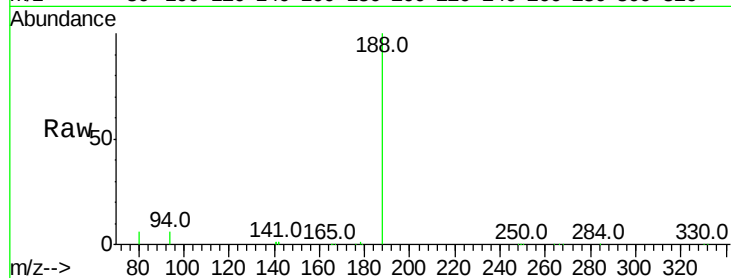
Tot Ion:188 Resp: 100900

Ion Ratio Lower Upper

188 100

94 6.2 8.7 13.1#

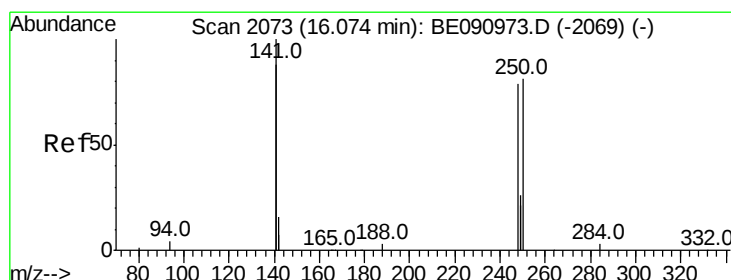
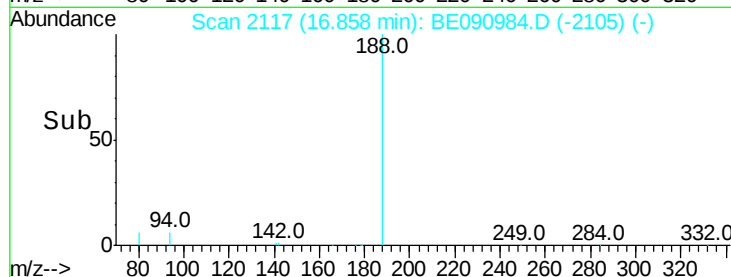
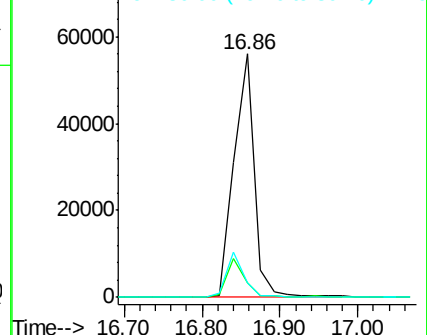
80 6.2 9.4 14.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 4.64 ng

RT: 16.06 min Scan# 2071

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

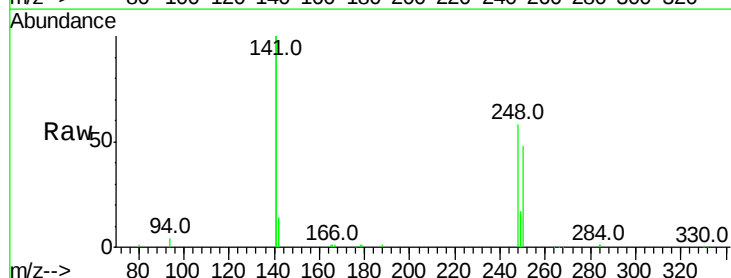
Tgt Ion:248 Resp: 17691

Ion Ratio Lower Upper

248 100

250 93.8 80.5 120.7

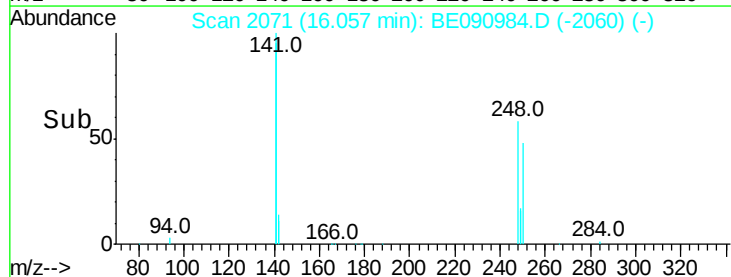
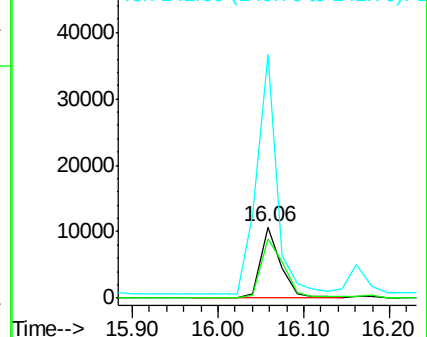
141 335.6 261.9 392.9

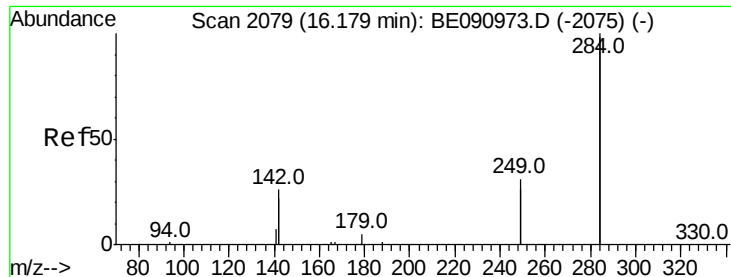


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 4.97 ng

RT: 16.18 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

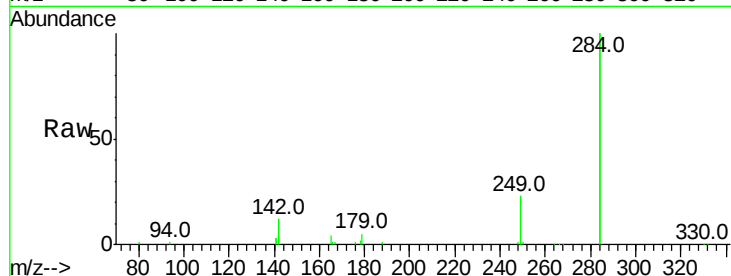
Tot Ion:284 Resp: 84535

Ion Ratio Lower Upper

284 100

142 40.5 32.2 48.2

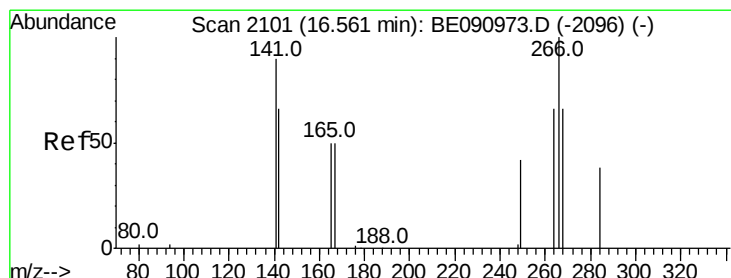
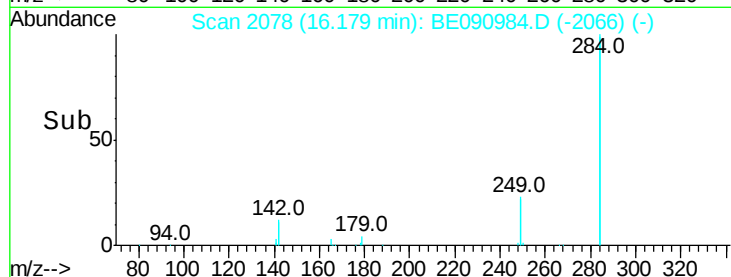
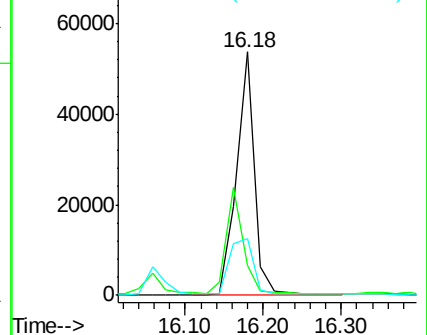
249 31.0 25.4 38.2



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



#22

Pentachlorophenol

Concen: 0.73 ng

RT: 16.54 min Scan# 2099

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

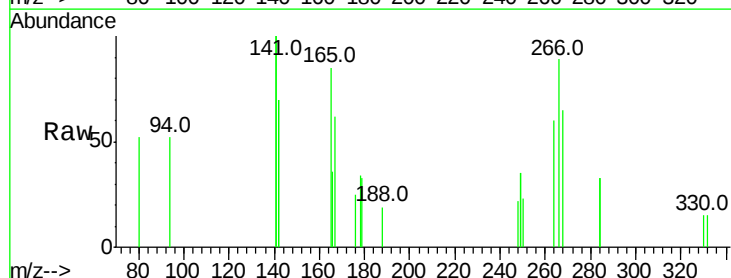
Tgt Ion:266 Resp: 791

Ion Ratio Lower Upper

266 100

268 72.6 58.2 87.2

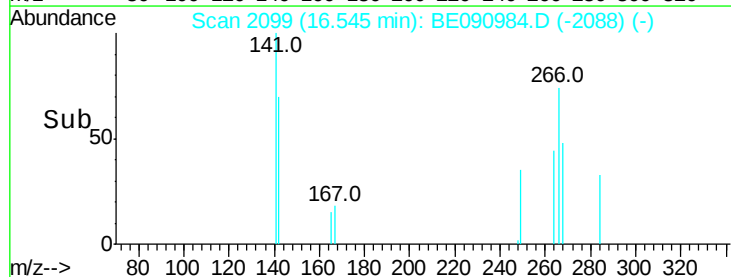
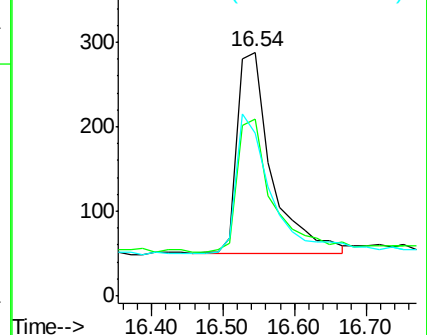
264 67.0 56.2 84.4

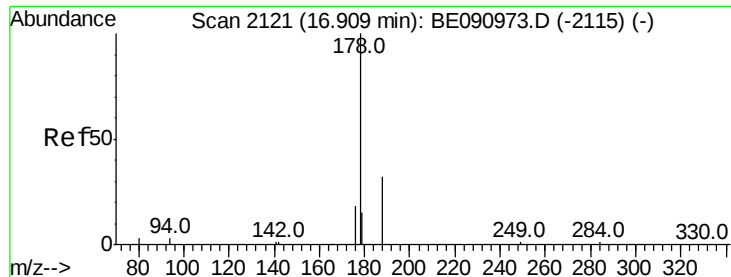


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 16.25 ng

RT: 16.89 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

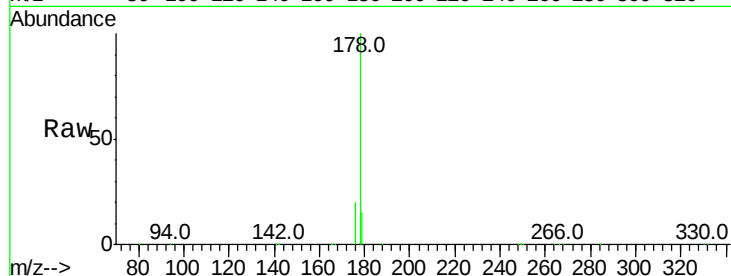
BNA_E

ClientSampleId :

S39-9002MSD

Tot Ion:178 Resp: 368866

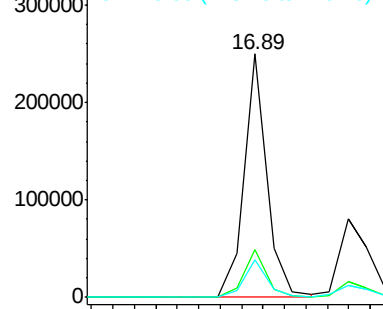
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.4	12.6	18.8



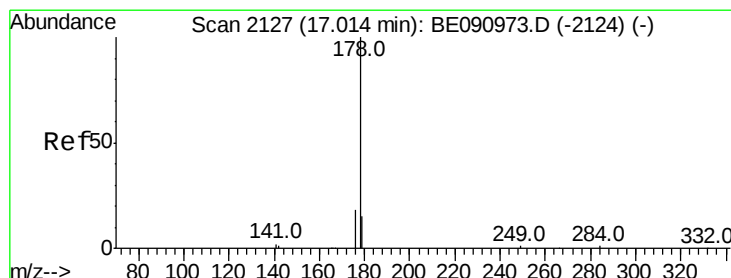
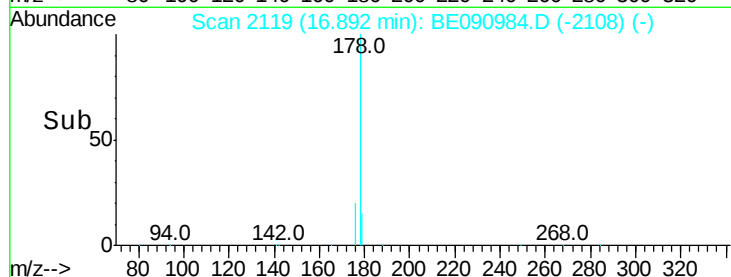
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 7.19 ng

RT: 16.98 min Scan# 2124

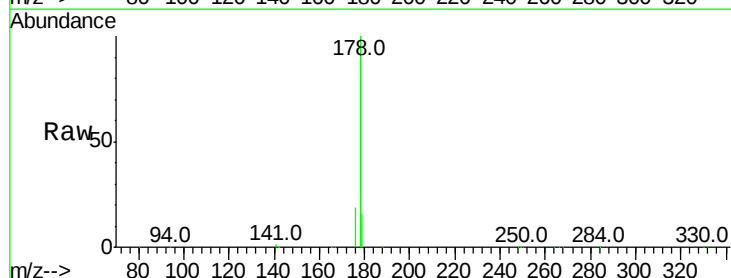
Delta R.T. -0.03 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Tgt Ion:178 Resp: 157684

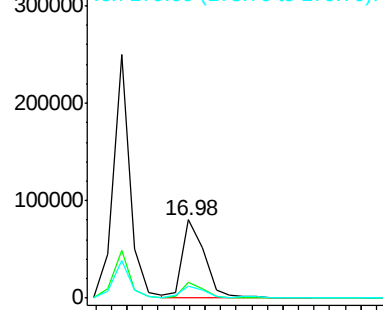
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.3	11.8	17.6



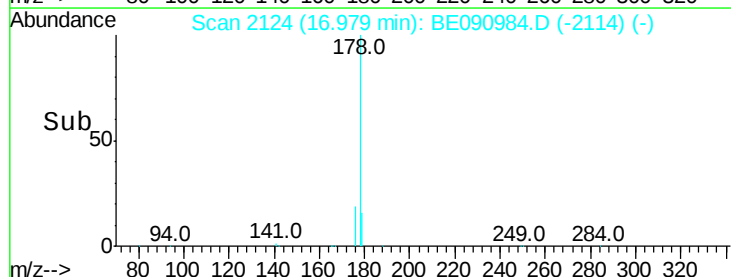
Abundance Ion 178.00 (177.70 to 178.70): E

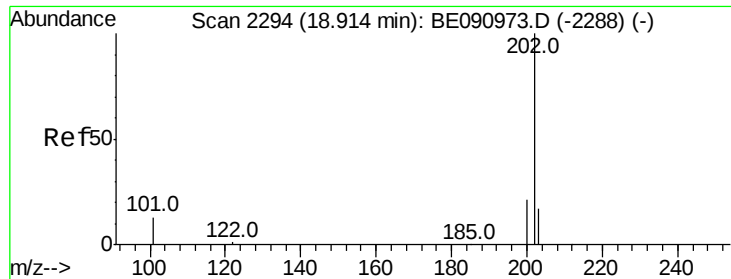
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene

Concen: 19.41 ng

RT: 18.90 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

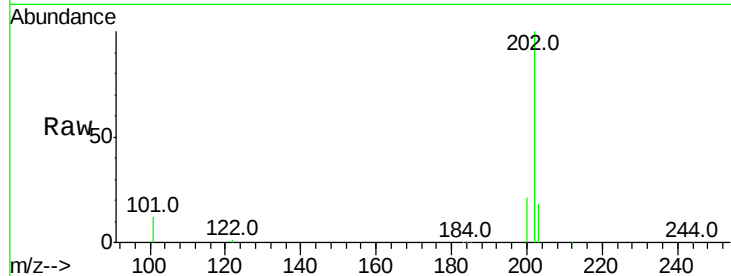
Tot Ion:202 Resp: 505622

Ion Ratio Lower Upper

202 100

101 14.5 11.0 16.6

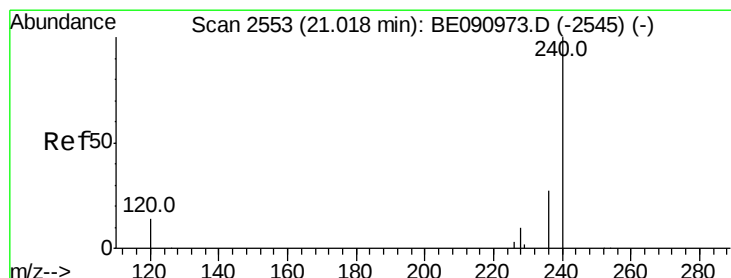
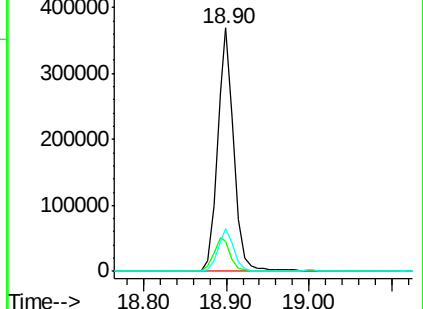
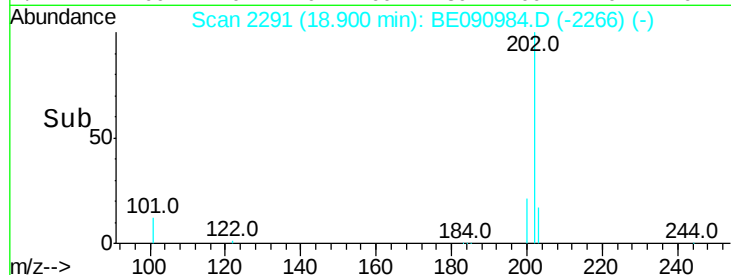
203 17.3 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.02 min Scan# 2551

Delta R.T. -0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

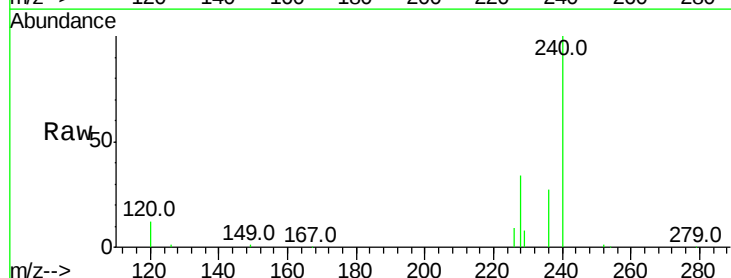
Tgt Ion:240 Resp: 134180

Ion Ratio Lower Upper

240 100

120 11.7 11.0 16.4

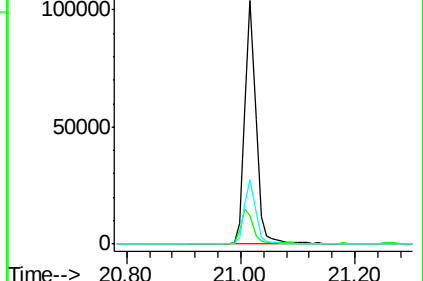
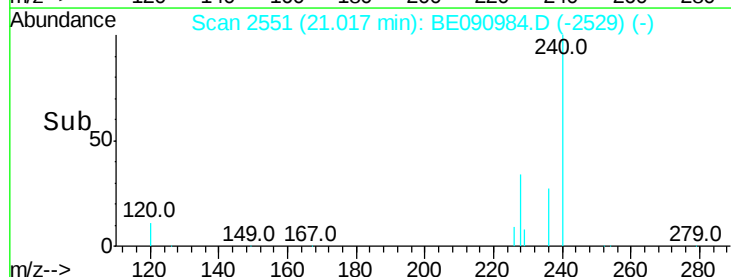
236 26.7 21.7 32.5

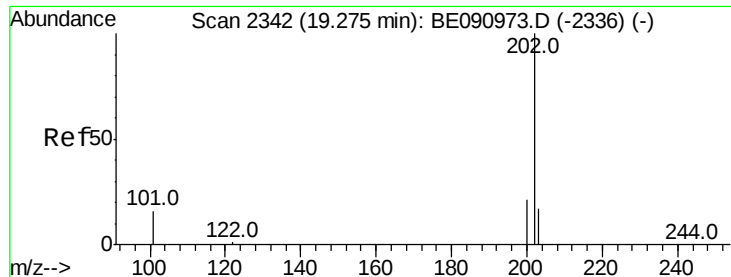


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 14.17 ng

RT: 19.26 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

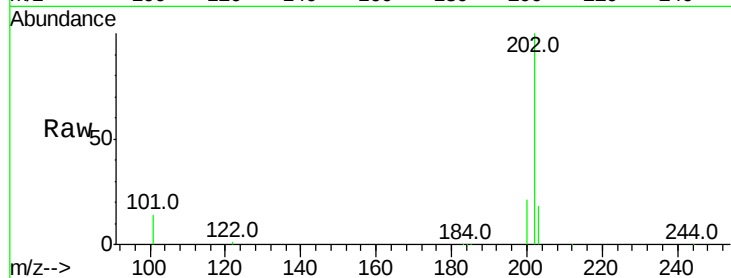
Tot Ion:202 Resp: 436049

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

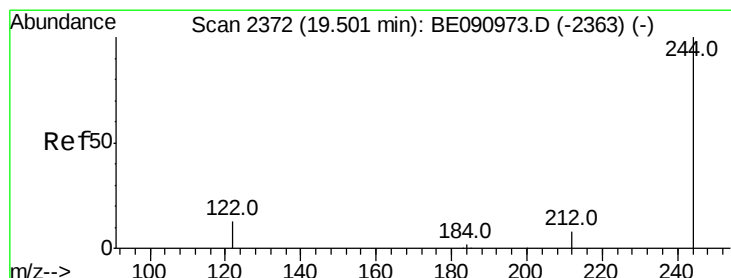
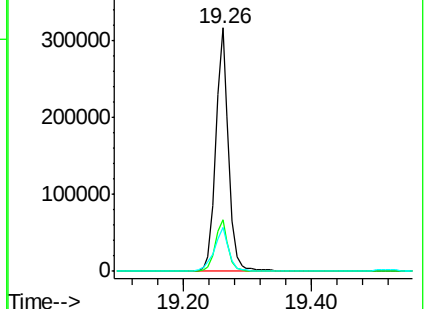
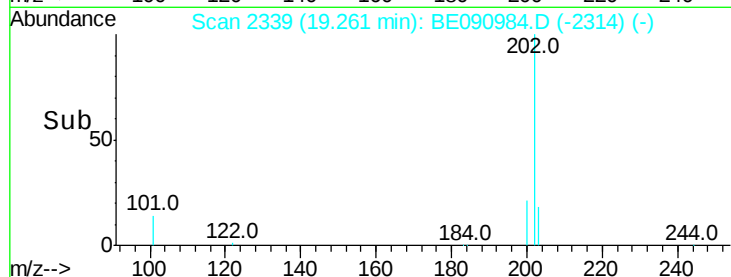
203 20.4 14.0 21.0



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



#29

Terphenyl-d14

Concen: 5.10 ng

RT: 19.48 min Scan# 2368

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

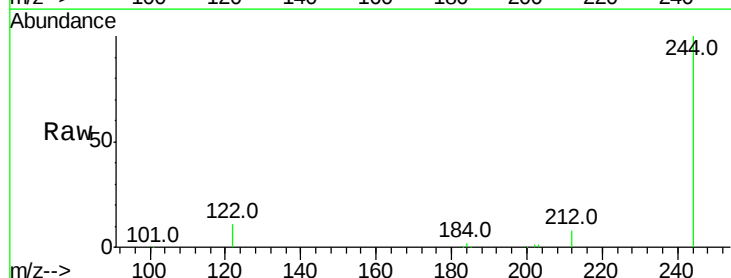
Tgt Ion:244 Resp: 84398

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

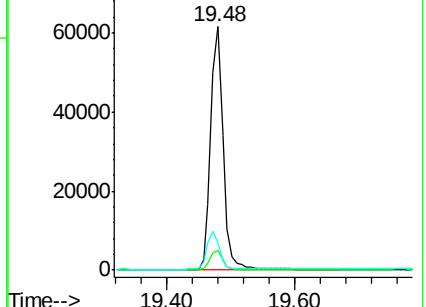
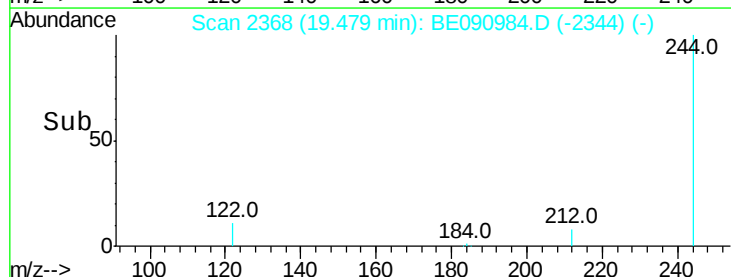
122 11.0 11.0 16.4

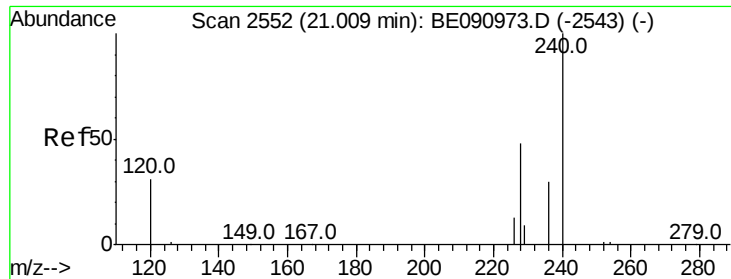


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 9.46 ng

RT: 21.00 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

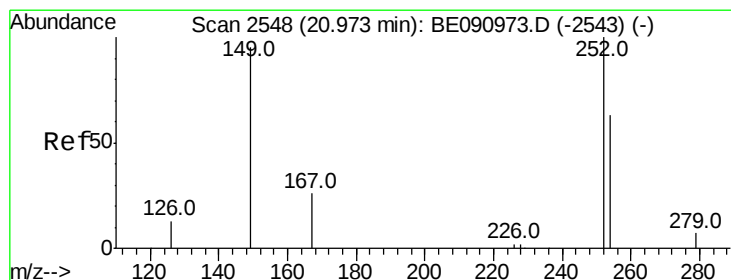
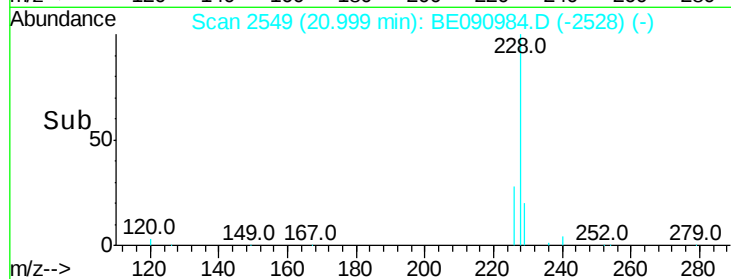
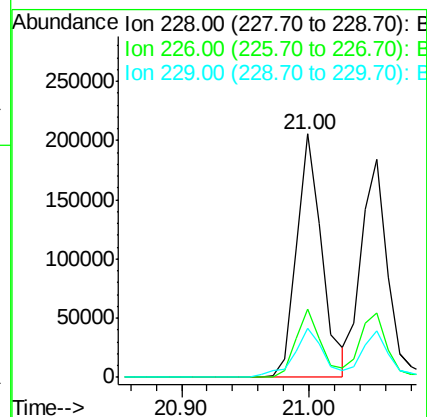
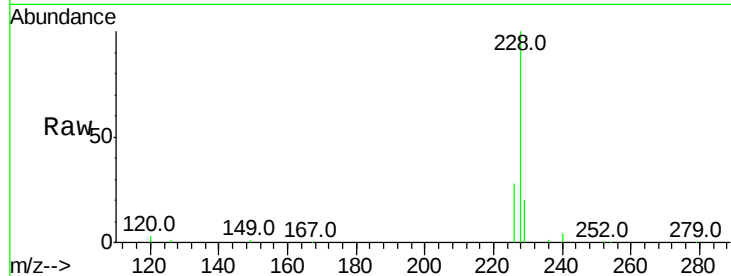
Tot Ion:228 Resp: 282345

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 20.0 15.7 23.5



#31

3,3'-Dichlorobenzidine

Concen: 2.72 ng

RT: 20.95 min Scan# 2544

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

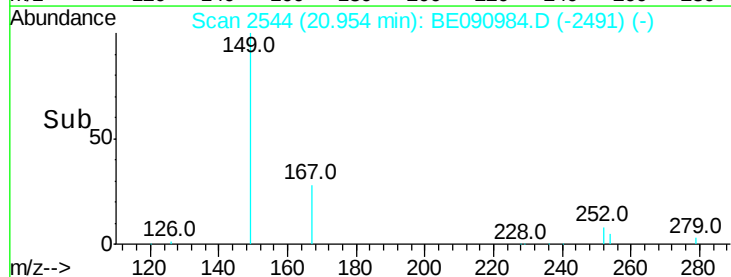
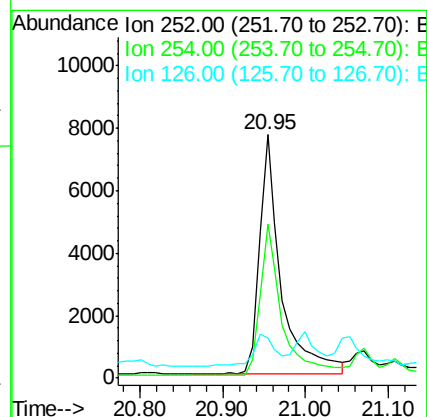
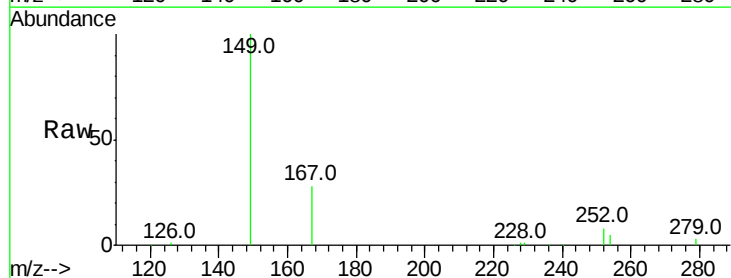
Tgt Ion:252 Resp: 14068

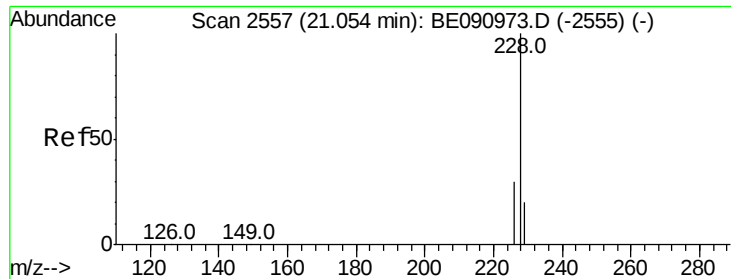
Ion Ratio Lower Upper

252 100

254 63.4 51.1 76.7

126 16.4 12.6 18.8





#32

Chrysene

Concen: 8.69 ng

RT: 21.05 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

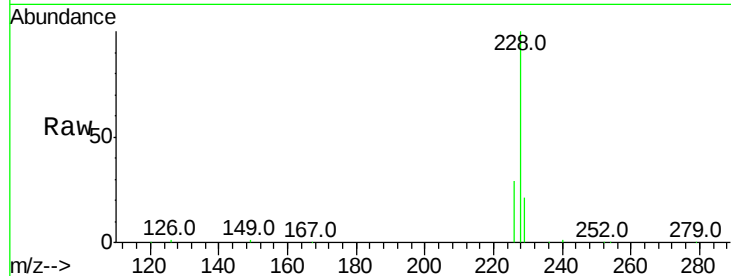
Tot Ion:228 Resp: 267367

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

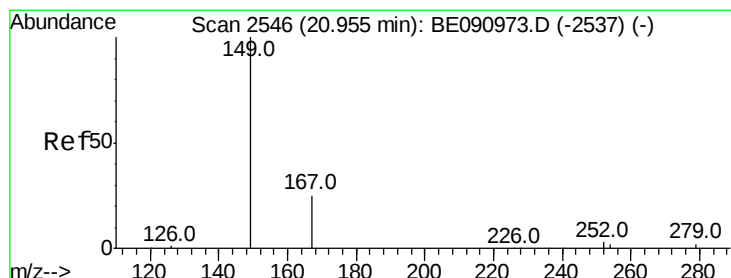
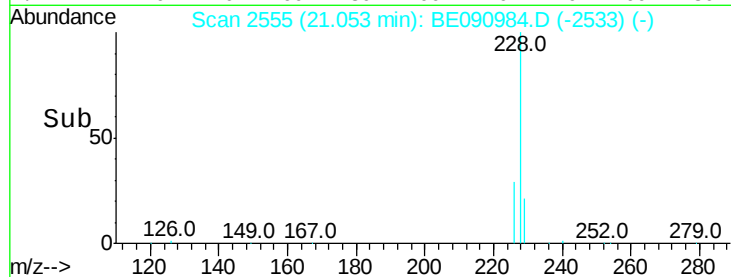
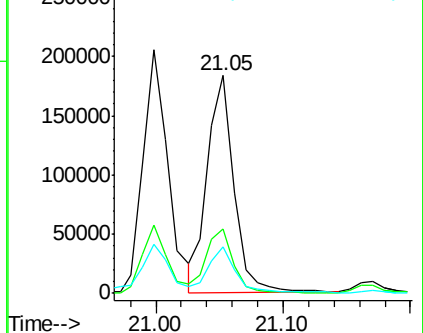
229 21.2 15.9 23.9



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 7.83 ng

RT: 20.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

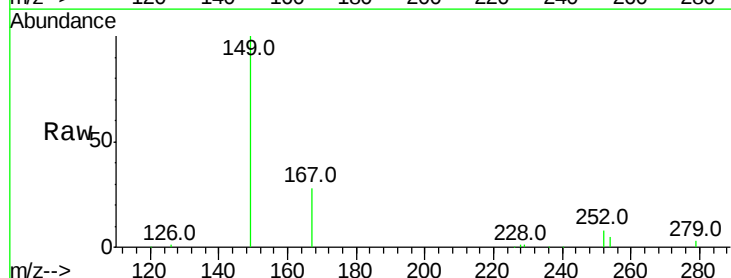
Tgt Ion:149 Resp: 122536

Ion Ratio Lower Upper

149 100

167 25.6 19.5 29.3

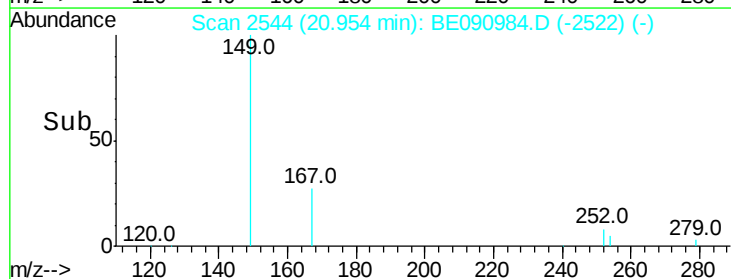
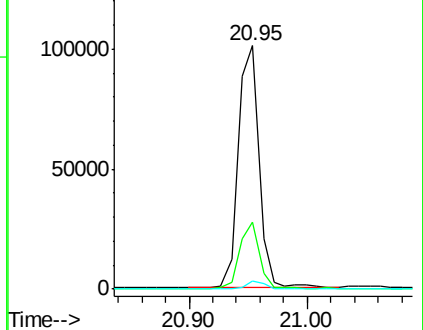
279 3.0 2.3 3.5

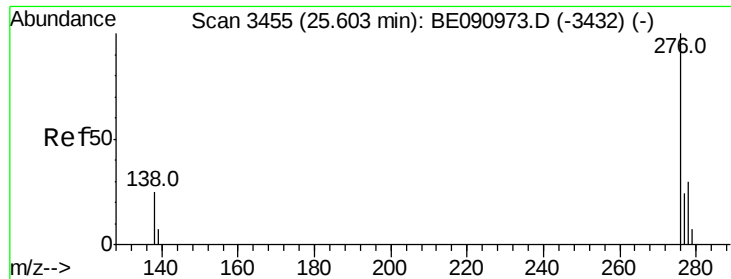


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

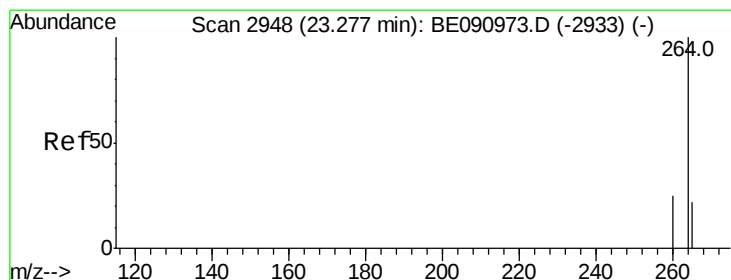
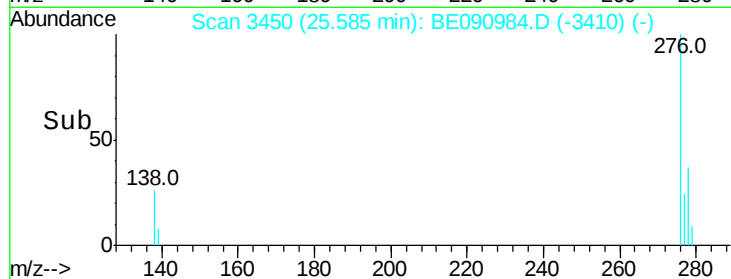
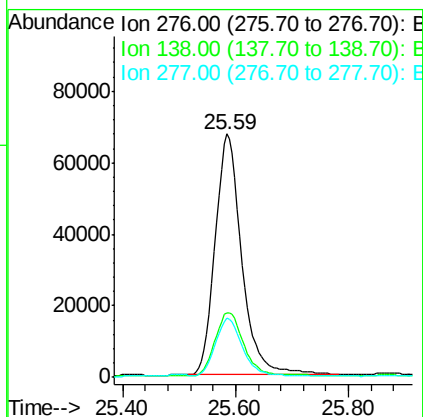
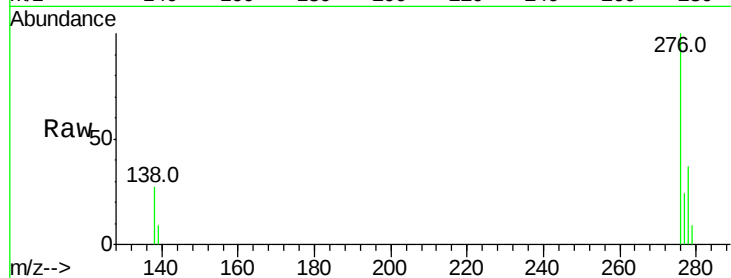




#34
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng
RT: 25.59 min Scan# 3450
Delta R.T. -0.02 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

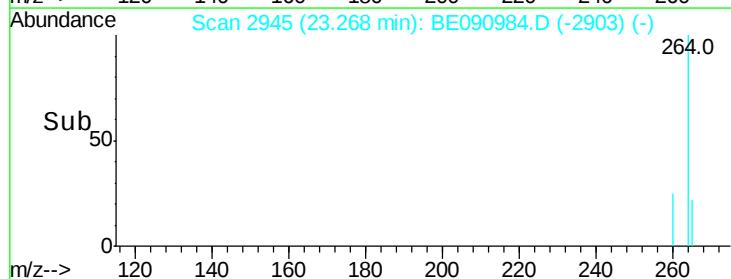
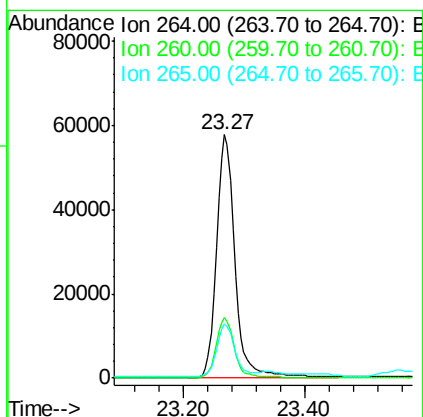
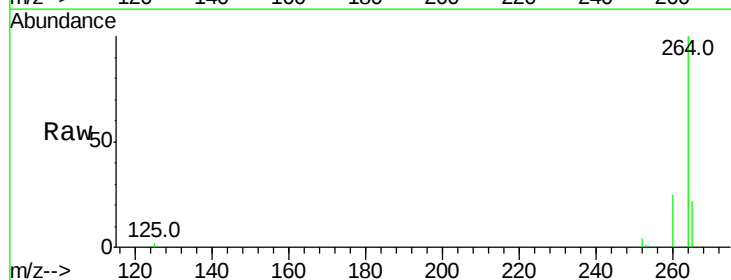
Instrument :
BNA_E
ClientSampleId :
S39-9002MSD

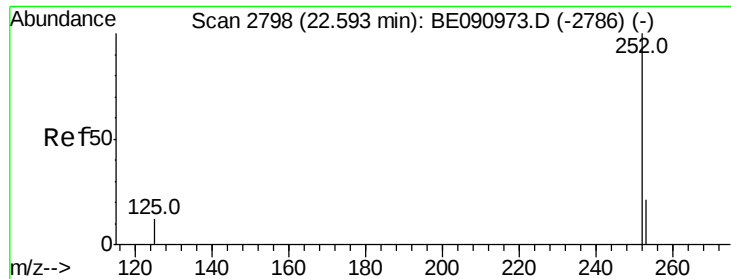
Tot Ion:276 Resp: 220948
Ion Ratio Lower Upper
276 100
138 28.8 23.4 35.2
277 23.6 19.8 29.8



#35
Perylene-d12
Concen: 5.00 ng
RT: 23.27 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BE090984.D
Acq: 30 Sep 2015 18:22

Tgt Ion:264 Resp: 121945
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 22.2 17.5 26.3





#36

Benzo(b)fluoranthene

Concen: 10.05 ng

RT: 22.59 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

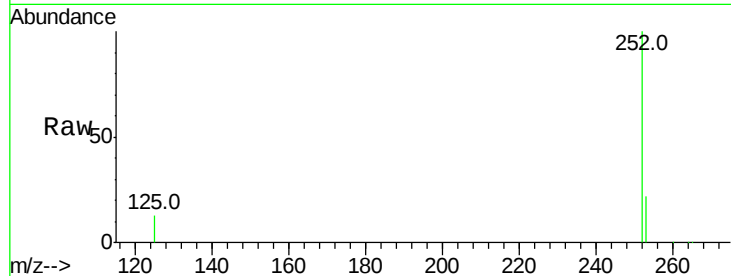
Tot Ion:252 Resp: 270140

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

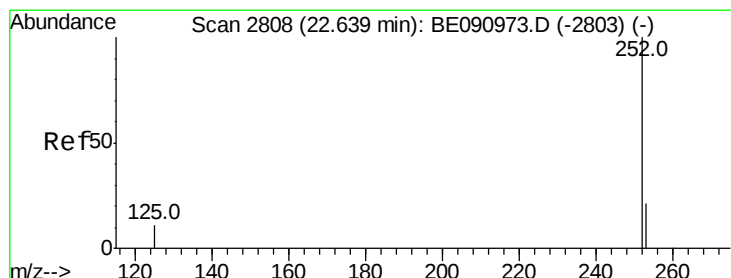
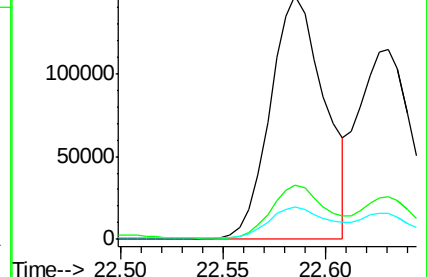
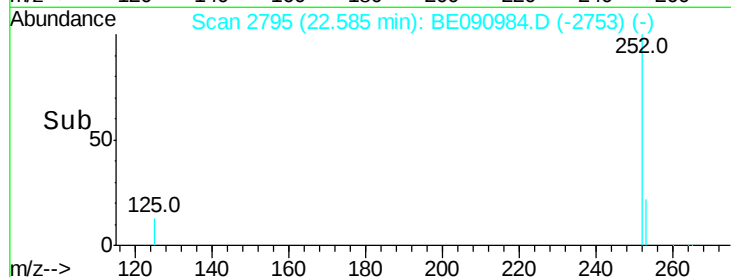
125 13.4 10.2 15.2



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



#37

Benzo(k)fluoranthene

Concen: 6.81 ng

RT: 22.63 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

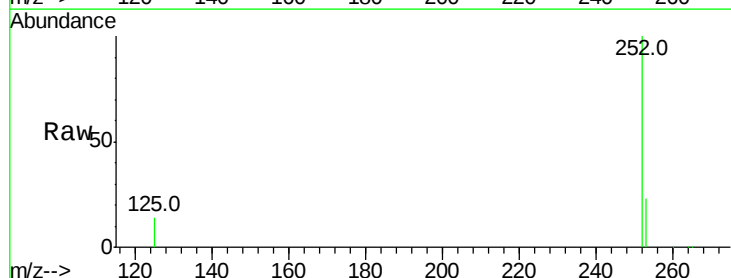
Tgt Ion:252 Resp: 219934

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

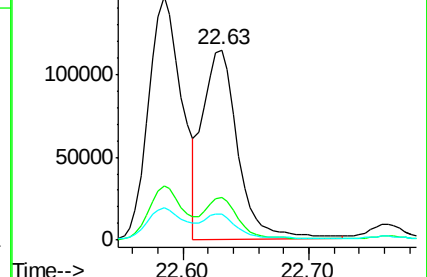
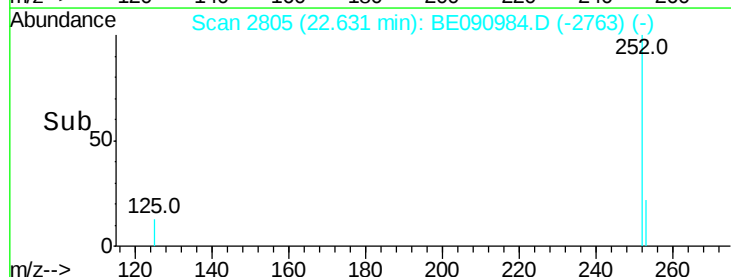
125 13.6 9.9 14.9

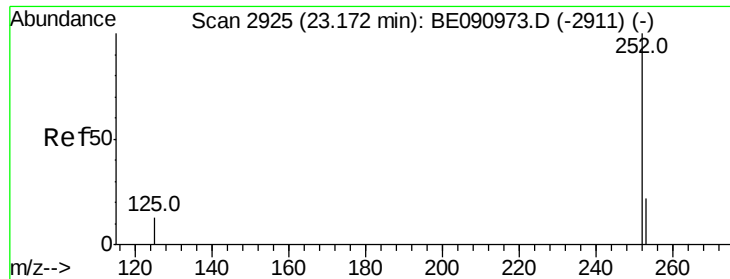


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 8.56 ng

RT: 23.17 min Scan# 2923

Delta R.T. -0.00 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD

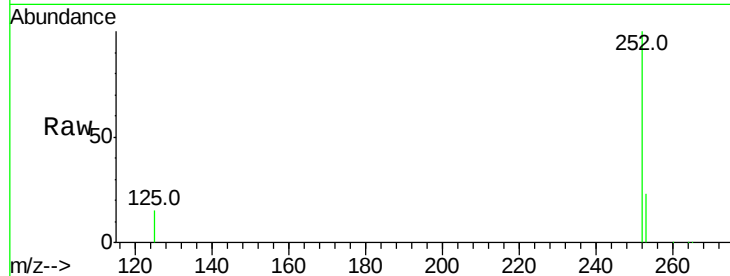
Tot Ion:252 Resp: 213242

Ion Ratio Lower Upper

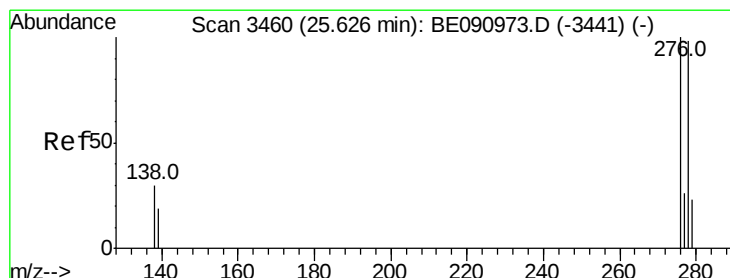
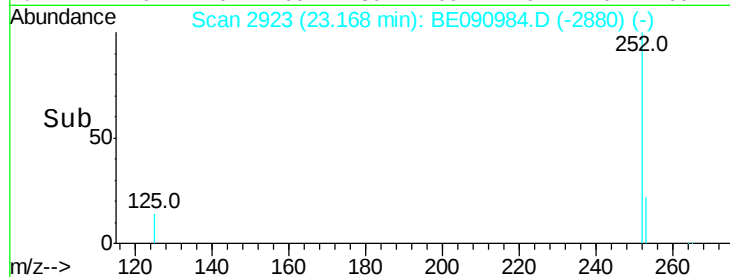
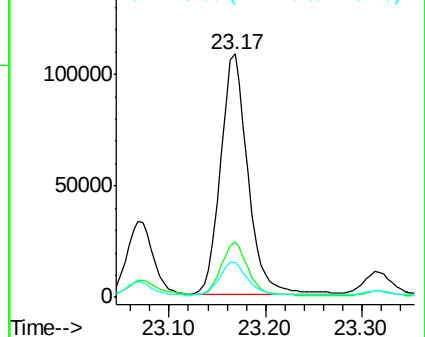
252 100

253 22.6 18.1 27.1

125 14.5 11.0 16.4



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



#39

Dibenzo(a,h)anthracene

Concen: 5.77 ng

RT: 25.60 min Scan# 3454

Delta R.T. -0.02 min

Lab File: BE090984.D

Acq: 30 Sep 2015 18:22

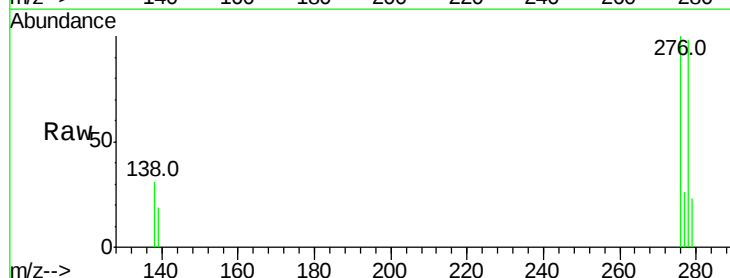
Tgt Ion:278 Resp: 141962

Ion Ratio Lower Upper

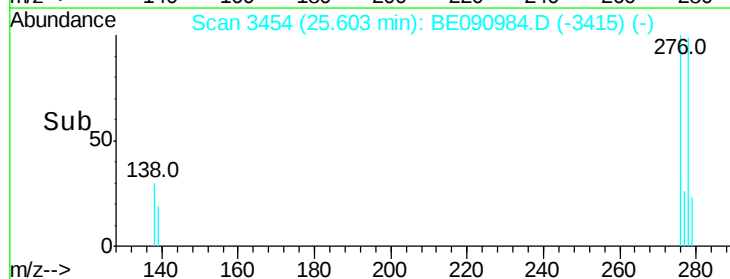
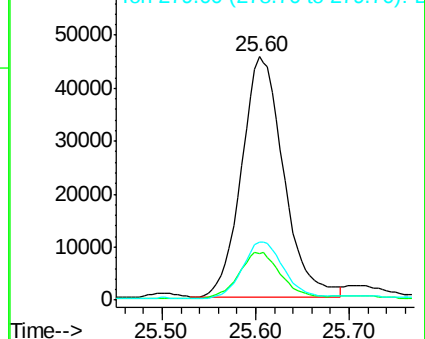
278 100

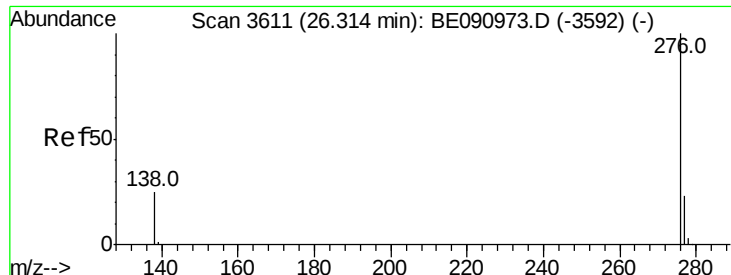
139 19.2 16.0 24.0

279 23.9 19.4 29.2



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





#40

Benzo(a,h,i)perylene

Concen: 7.34 ng

RT: 26.30 min Scan# 3606

Delta R.T. -0.02 min

Lab File: BE090984.D

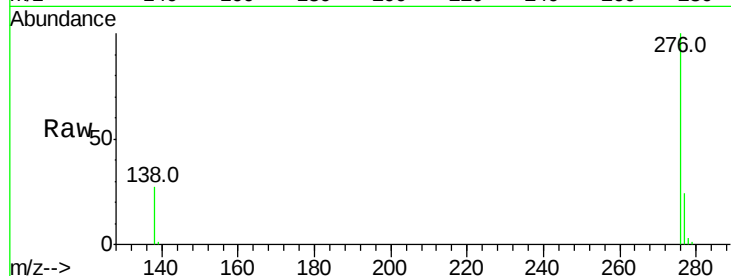
Acq: 30 Sep 2015 18:22

Instrument :

BNA_E

ClientSampleId :

S39-9002MSD



Tot Ion: 276 Resp: 196341

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 26.6 20.4 30.6

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

