

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
 Data File : BE090340.D
 Acq On : 4 Aug 2015 10:36
 Operator : TP/UM
 Sample : G3174-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-B

Quant Time: Aug 04 13:22:00 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

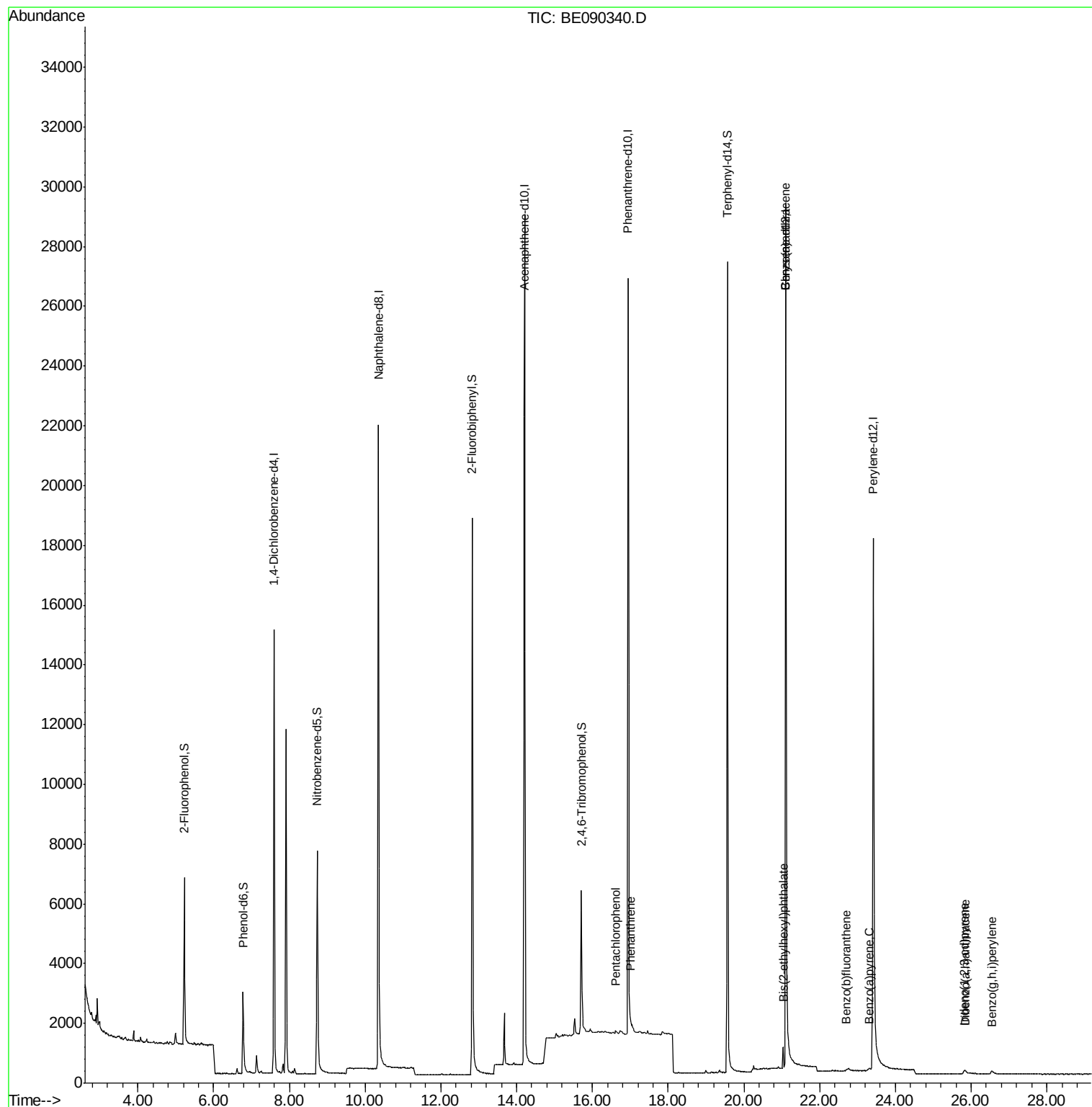
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	7598	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	33375	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	17083	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	36711	5.00	ng	0.00
25) Chrysene-d12	21.11	240	34292	5.00	ng	0.00
32) Perylene-d12	23.42	264	30213	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	4554	3.14	ng	0.00
5) Phenol-d6	6.78	99	3491	1.96	ng	0.00
7) Nitrobenzene-d5	8.73	82	8084	4.10	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	2114	6.55	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	20095	4.06	ng	0.00
27) Terphenyl-d14	19.57	244	30541	4.76	ng	-0.01
Target Compounds						
21) Pentachlorophenol	16.61	266	68	0.39	ng	97
22) Phenanthrene	17.00	178	168	0.02	ng	# 78
28) Benzo(a)anthracene	21.11	228	162	0.02	ng	# 56
29) Chrysene	21.14	228	108	Below Cal		# 39
30) Bis(2-ethylhexyl)phthalate	21.03	149	750	0.48	ng	98
31) Indeno(1,2,3-cd)pyrene	25.81	276	235	0.19	ng	# 82
33) Benzo(b)fluoranthene	22.71	252	132	0.38	ng	# 7
35) Benzo(a)pyrene	23.32	252	147	0.33	ng	# 8
36) Dibenzo(a,h)anthracene	25.84	278	183	0.25	ng	# 51
37) Benzo(g,h,i)perylene	26.55	276	279	0.29	ng	# 58

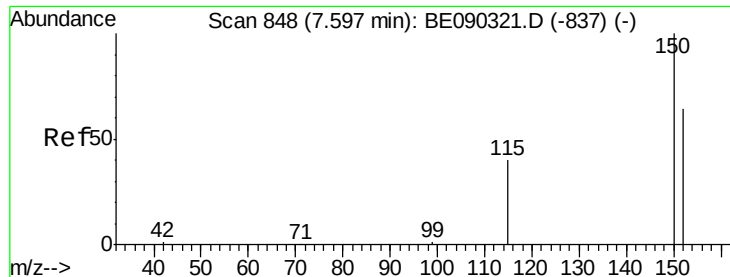
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
Data File : BE090340.D
Acq On : 4 Aug 2015 10:36
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Sample : G3174-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
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Quant Time: Aug 04 13:22:00 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 04 02:31:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

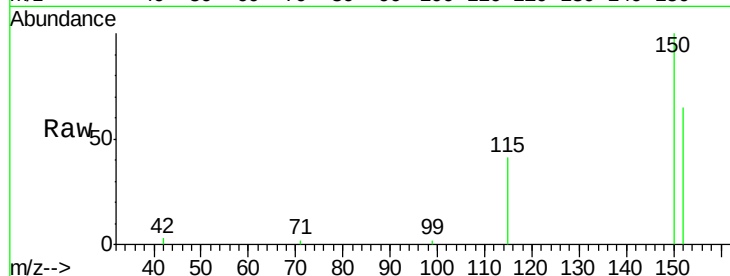
Tgt Ion:152 Resp: 7598

Ion Ratio Lower Upper

152 100

150 153.9 124.2 186.2

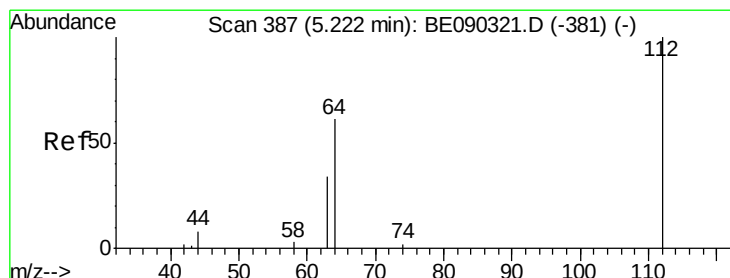
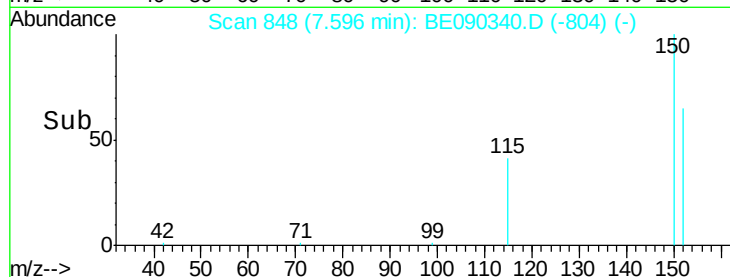
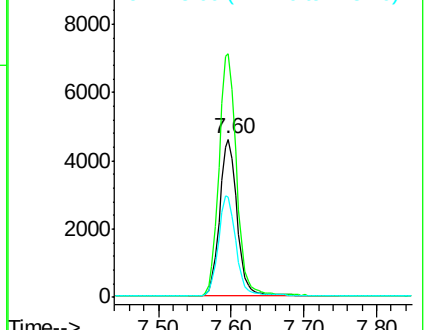
115 63.7 50.4 75.6



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



#4

2-Fluorophenol

Concen: 3.14 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

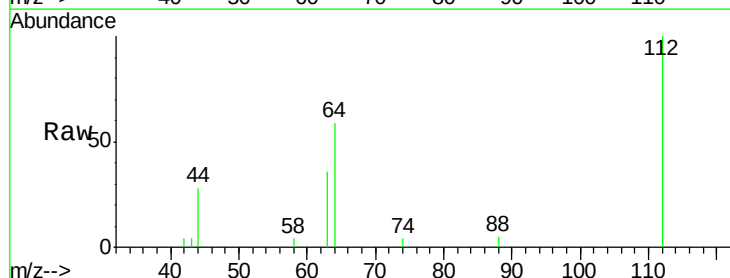
Tgt Ion:112 Resp: 4554

Ion Ratio Lower Upper

112 100

64 59.7 49.0 73.4

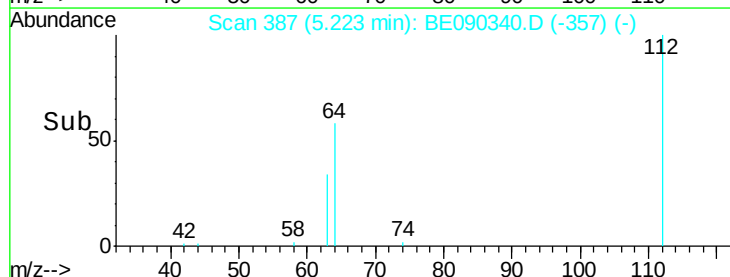
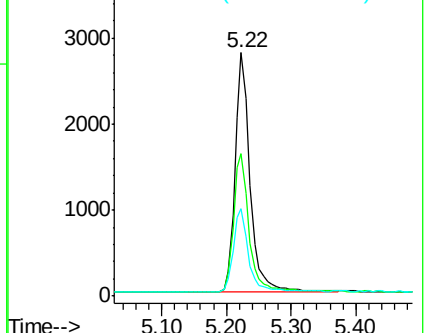
63 34.5 27.7 41.5

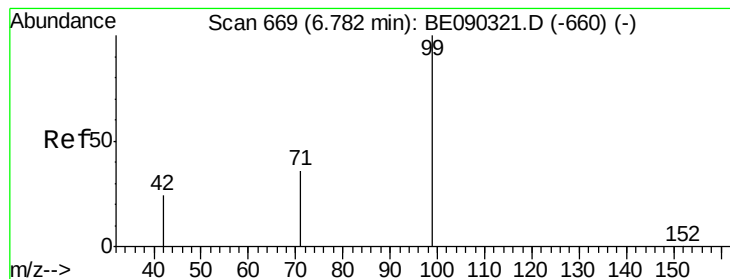


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.96 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

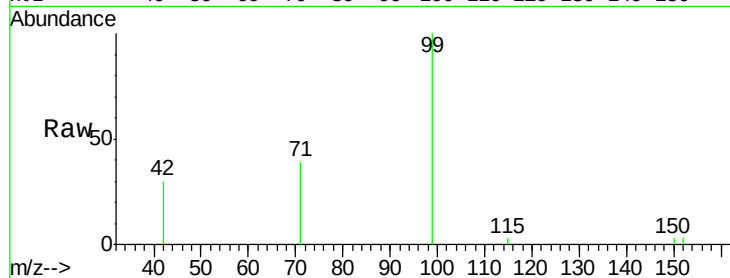
Tgt Ion: 99 Resp: 3491

Ion Ratio Lower Upper

99 100

42 24.9 22.2 33.2

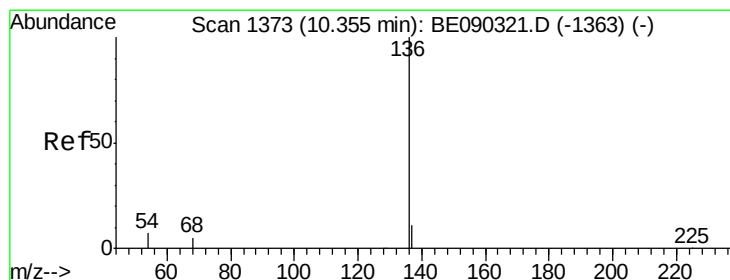
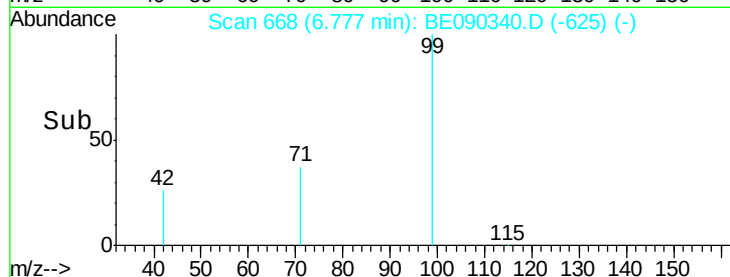
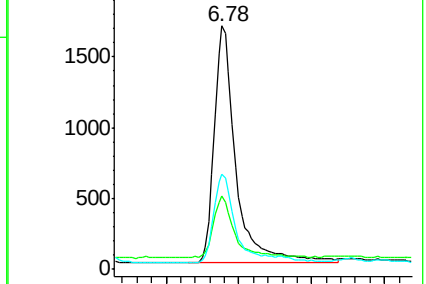
71 36.2 29.2 43.8



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Tgt Ion: 136 Resp: 33375

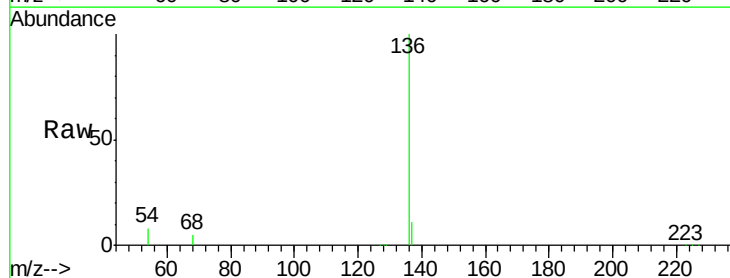
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.0 9.0

68 5.2 3.9 5.9

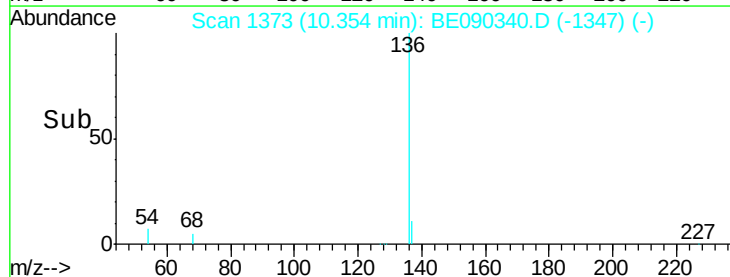
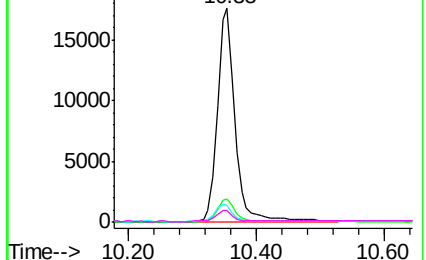


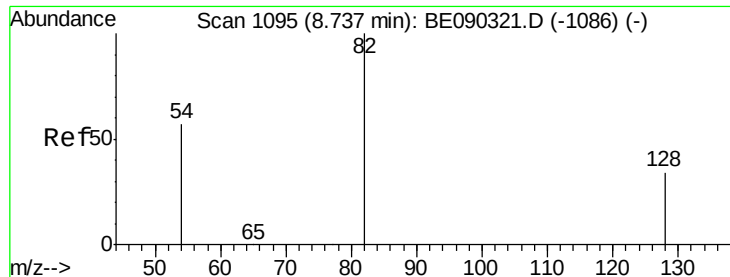
Abundance Ion 136.00 (135.70 to 136.70): E

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





#7

Nitrobenzene-d5

Concen: 4.10 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

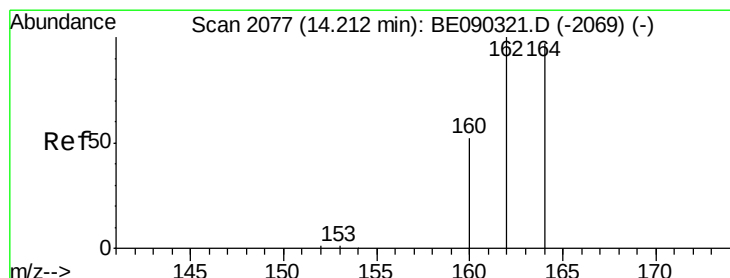
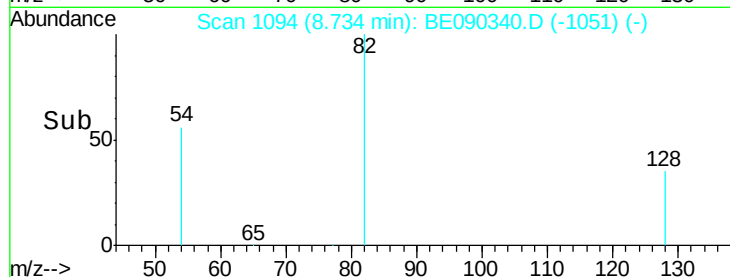
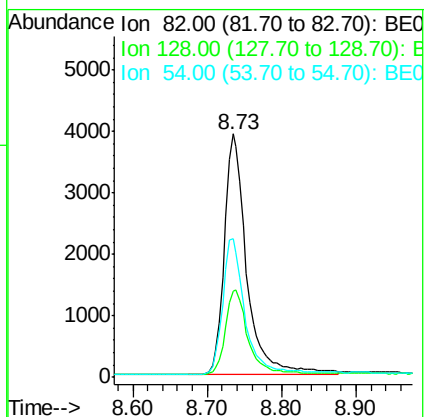
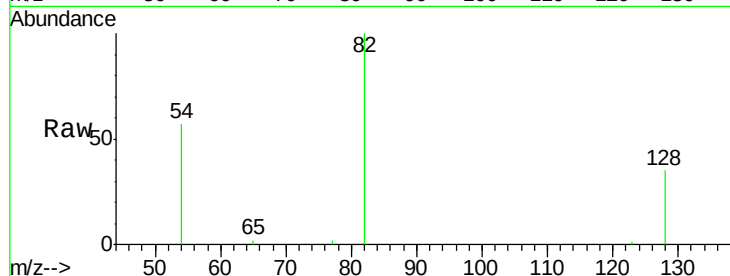
Tgt Ion: 82 Resp: 8084

Ion Ratio Lower Upper

82 100

128 35.4 30.8 46.2

54 56.7 47.5 71.3



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

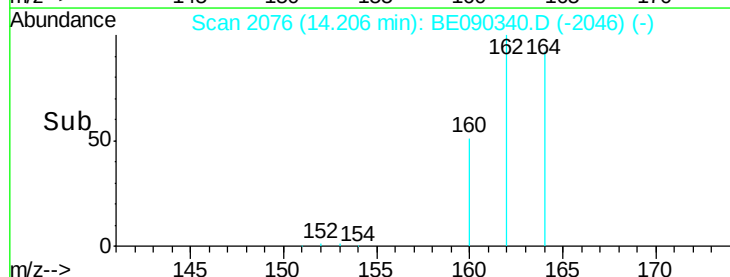
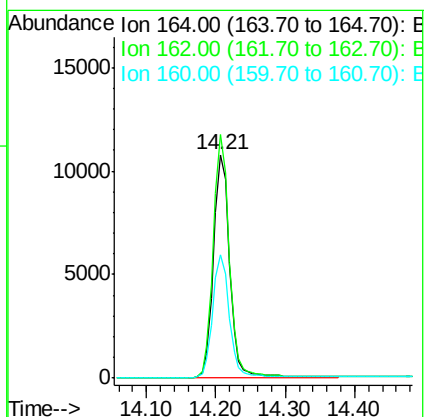
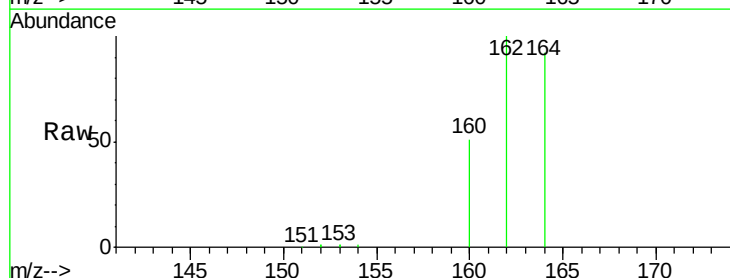
Tgt Ion: 164 Resp: 17083

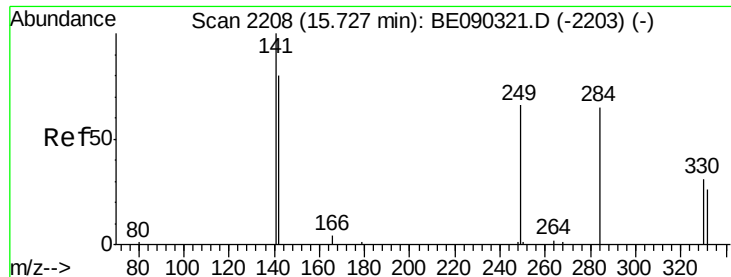
Ion Ratio Lower Upper

164 100

162 108.9 82.7 124.1

160 55.3 43.0 64.6

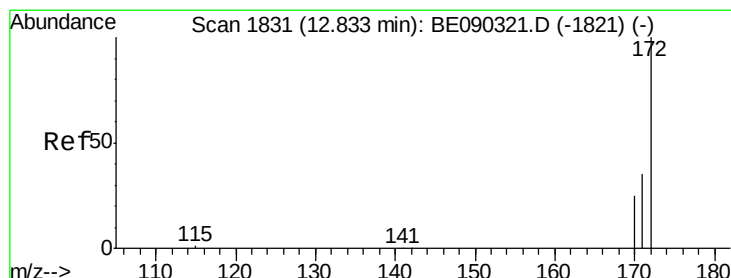
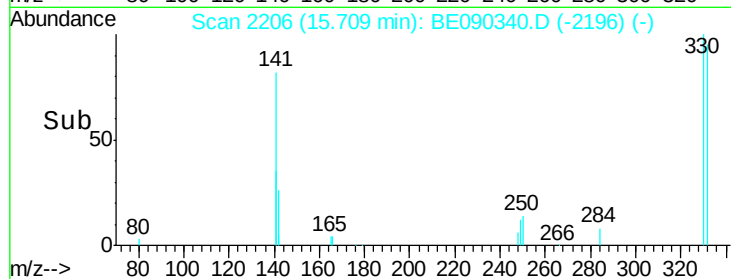
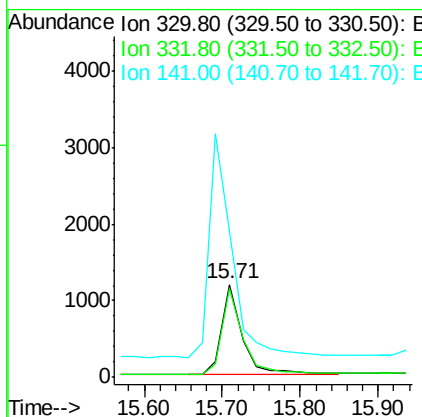
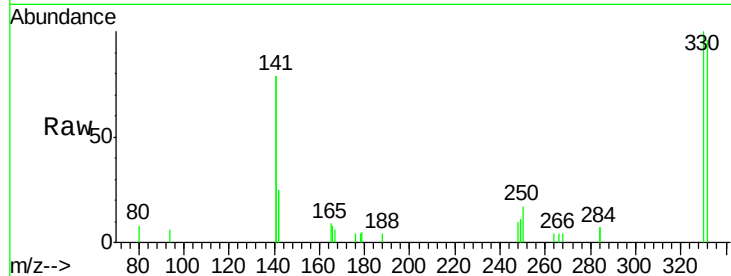




#13
 2,4,6-Tribromophenol
 Concen: 6.55 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090340.D
 Acq: 4 Aug 2015 10:36

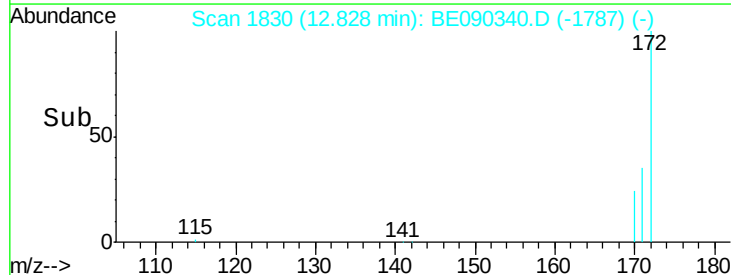
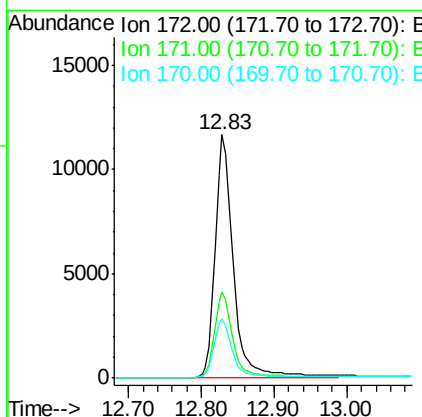
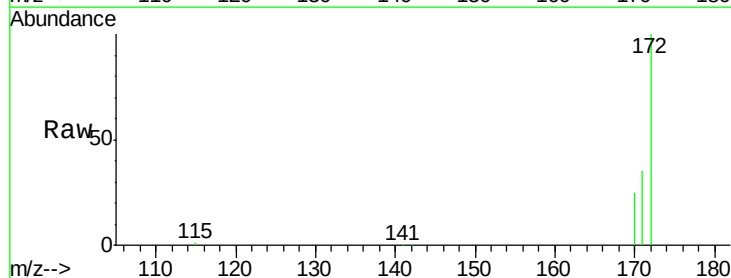
Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-B

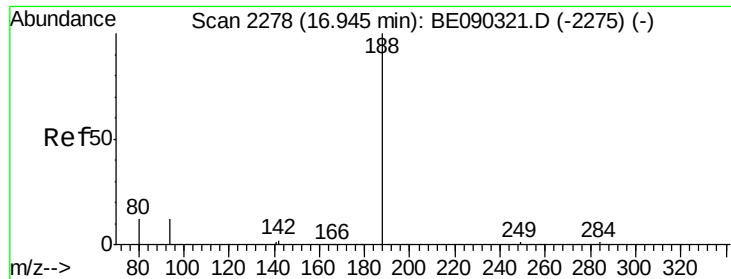
Tgt Ion:330 Resp: 2114
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.4 119.0
 141 279.0 245.9 368.9



#14
 2-Fluorobiphenyl
 Concen: 4.06 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BE090340.D
 Acq: 4 Aug 2015 10:36

Tgt Ion:172 Resp: 20095
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.5 44.3
 170 24.5 21.3 31.9





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

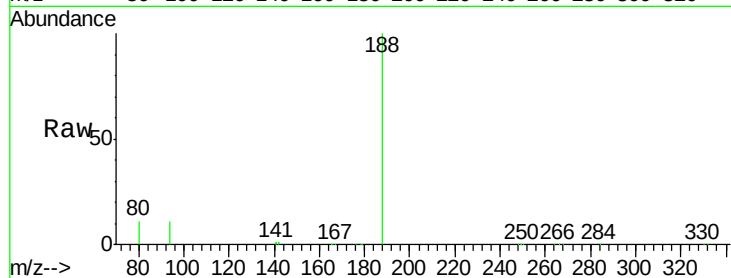
Tgt Ion:188 Resp: 36711

Ion Ratio Lower Upper

188 100

94 10.6 9.5 14.3

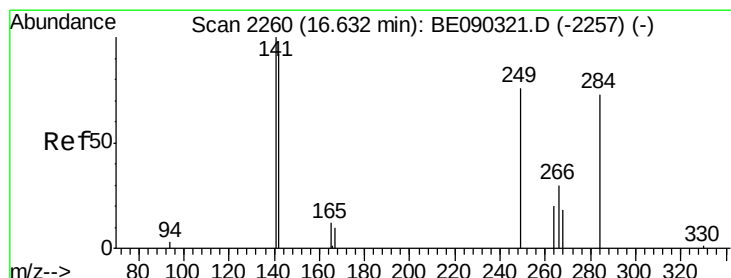
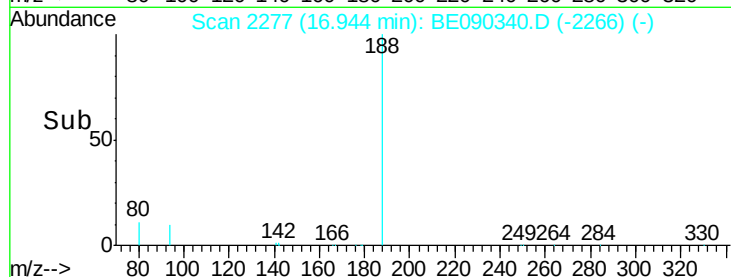
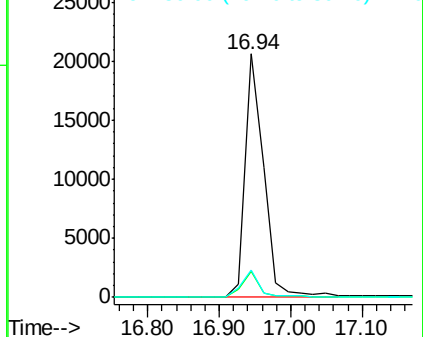
80 11.2 10.0 15.0



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



#21

Pentachlorophenol

Concen: 0.39 ng

RT: 16.61 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

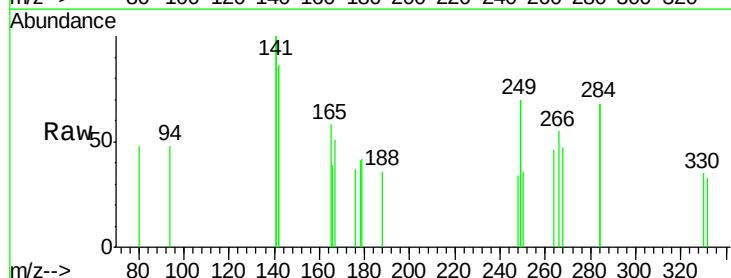
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

268 84.9 66.2 99.2

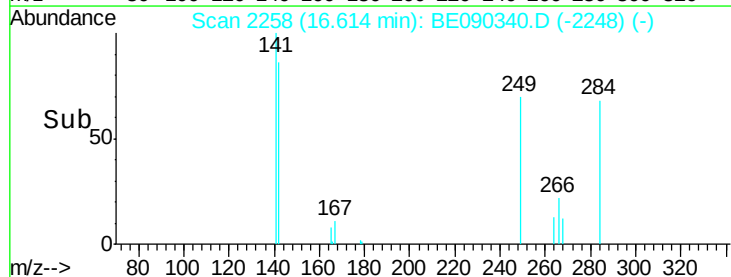
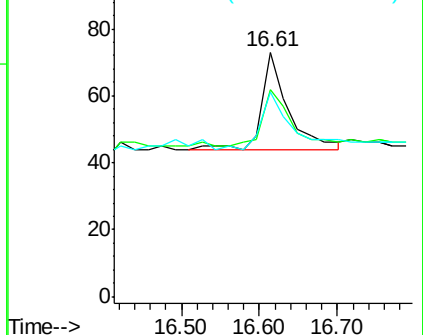
264 83.6 69.1 103.7

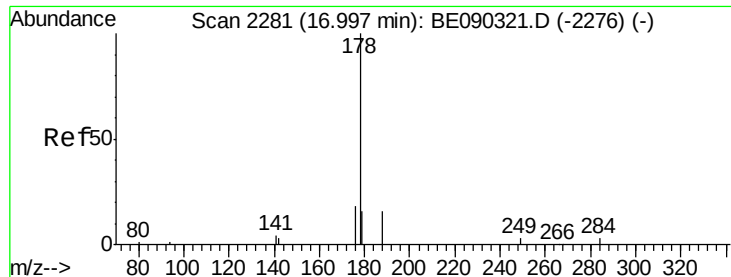


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.02 ng

RT: 17.00 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

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080215-D506-F-D-B

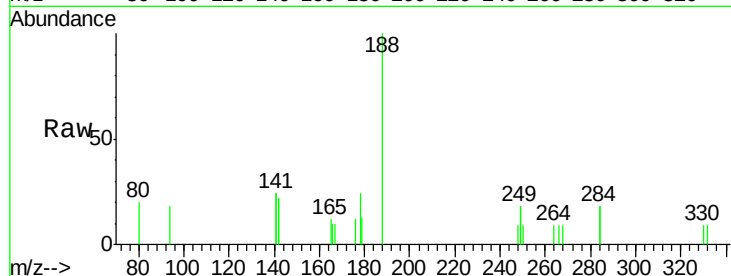
Tgt Ion:178 Resp: 168

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

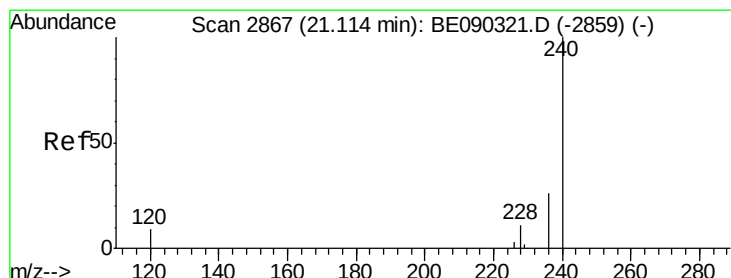
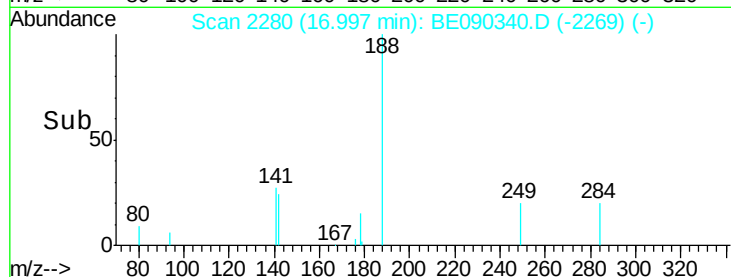
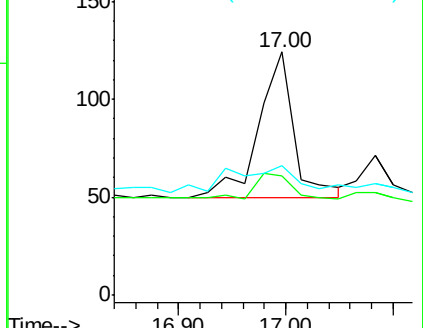
179 36.3 12.6 18.8#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

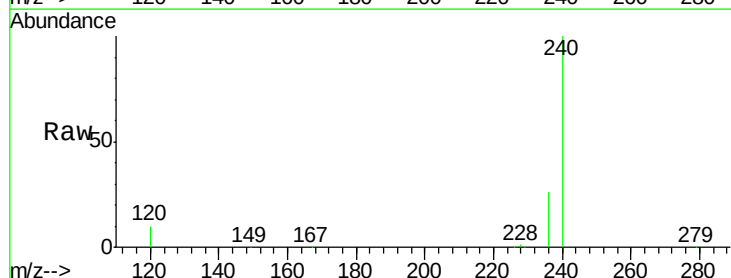
Tgt Ion:240 Resp: 34292

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

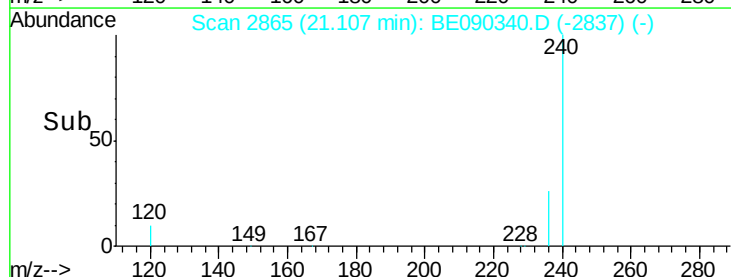
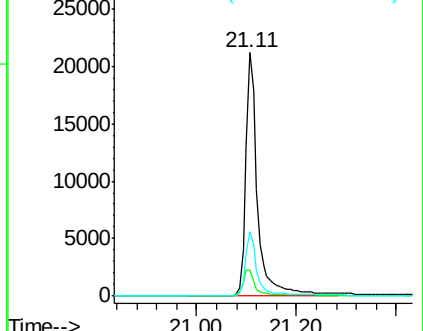
236 26.5 21.0 31.4

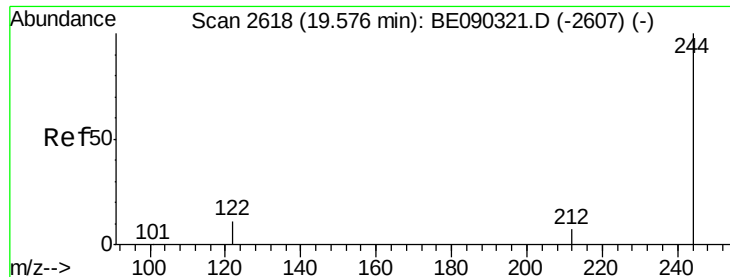


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

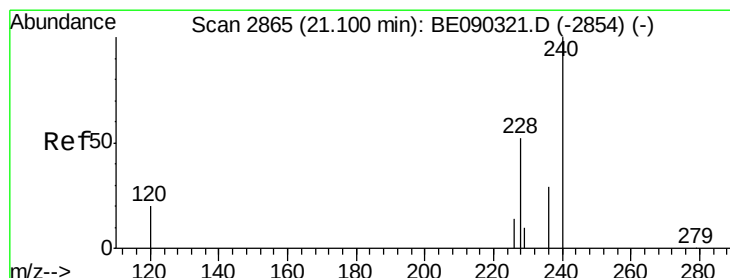
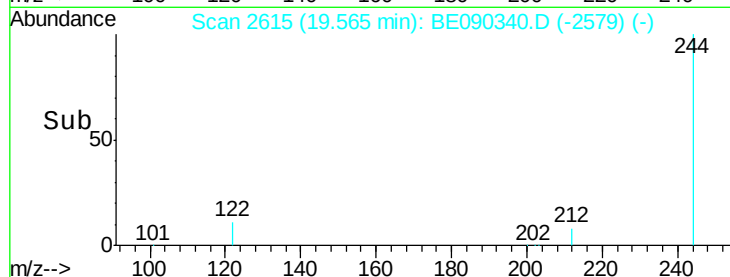
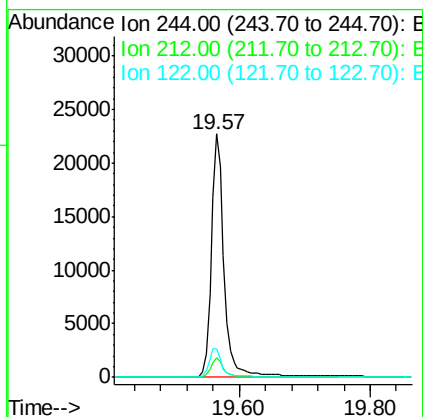
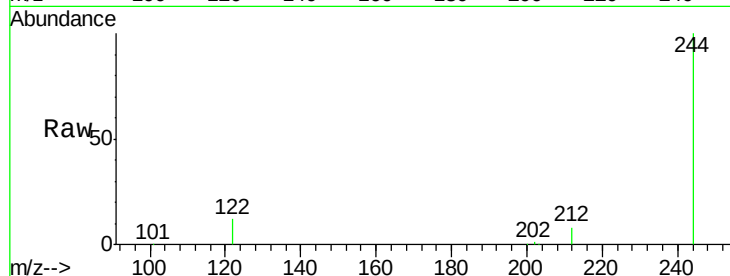




#27
 Terphenyl-d14
 Concen: 4.76 ng
 RT: 19.57 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BE090340.D
 Acq: 4 Aug 2015 10:36

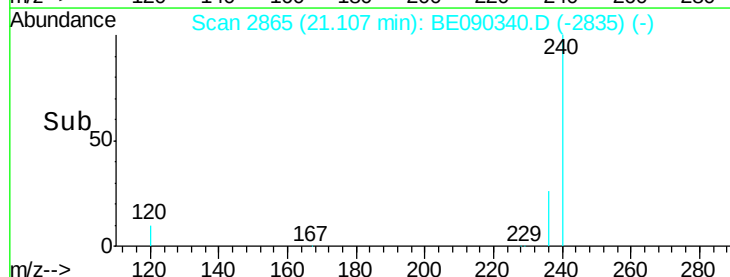
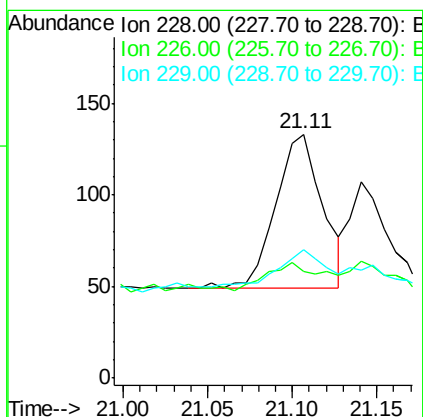
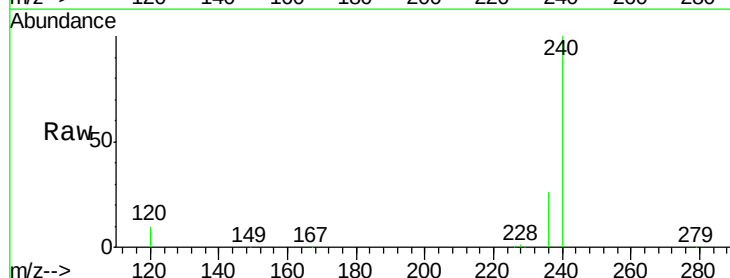
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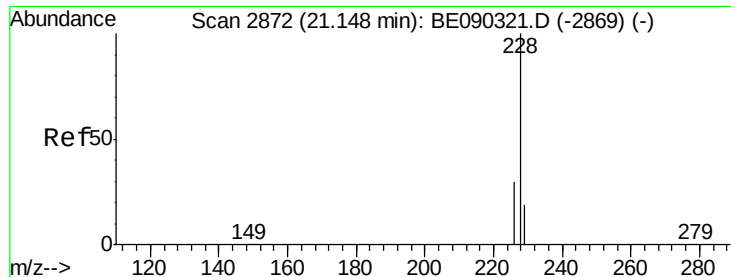
Tgt Ion:244 Resp: 30541
 Ion Ratio Lower Upper
 244 100
 212 7.9 7.4 11.2
 122 11.6 10.4 15.6



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.11 min Scan# 2865
 Delta R.T. 0.01 min
 Lab File: BE090340.D
 Acq: 4 Aug 2015 10:36

Tgt Ion:228 Resp: 162
 Ion Ratio Lower Upper
 228 100
 226 43.6 23.0 34.4#
 229 52.6 17.4 26.2#





#29

Chrysene

Concen: Below Cal

RT: 21.14 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

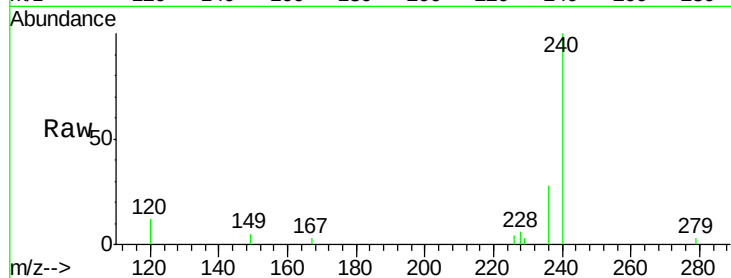
Tgt Ion:228 Resp: 108

Ion Ratio Lower Upper

228 100

226 59.8 24.9 37.3#

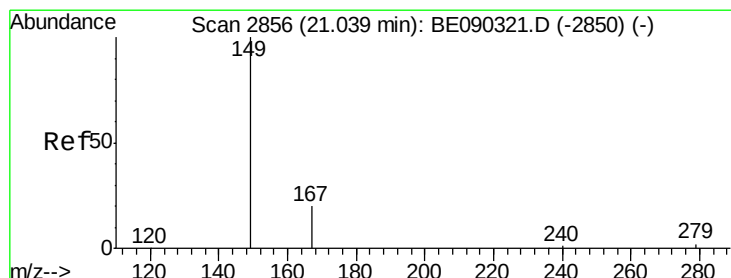
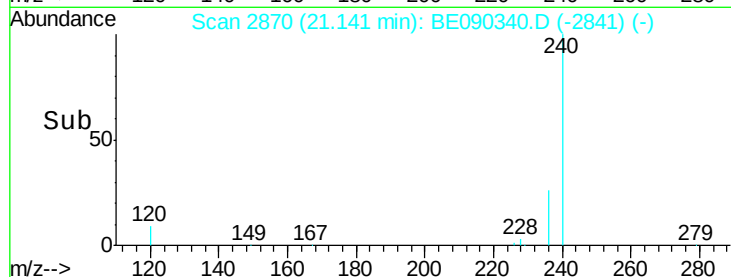
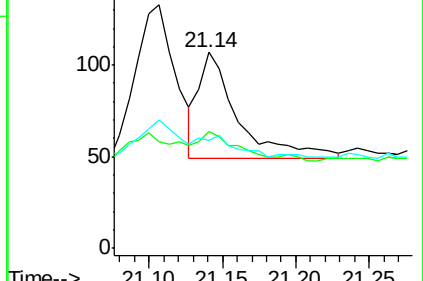
229 55.1 16.6 25.0#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.48 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

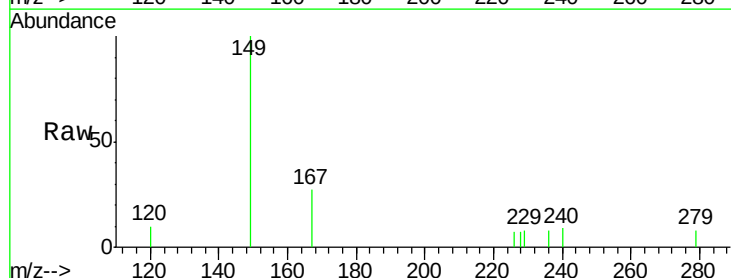
Tgt Ion:149 Resp: 750

Ion Ratio Lower Upper

149 100

167 21.5 16.6 24.8

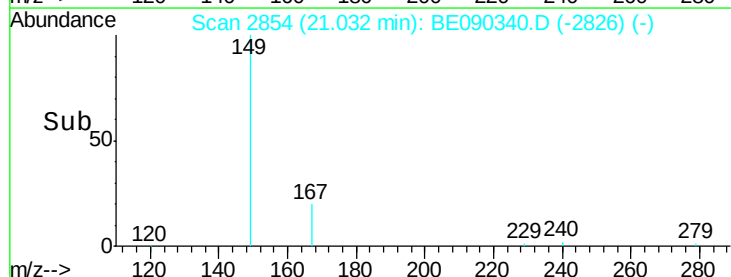
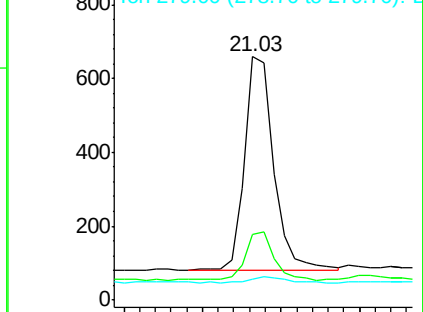
279 3.7 2.7 4.1

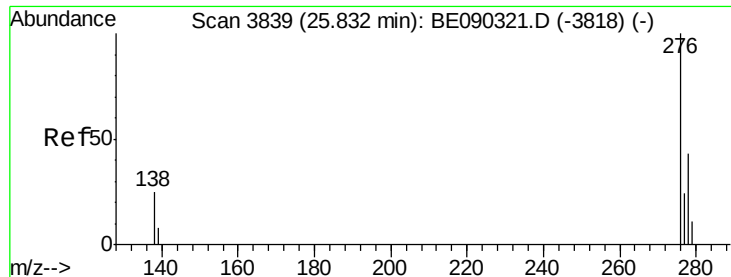


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 25.81 min Scan# 3834

Delta R.T. -0.02 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

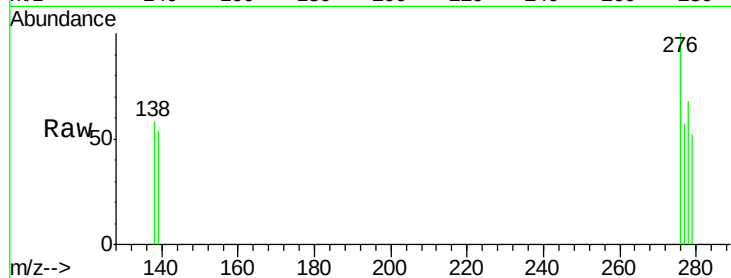
Tgt Ion:276 Resp: 235

Ion Ratio Lower Upper

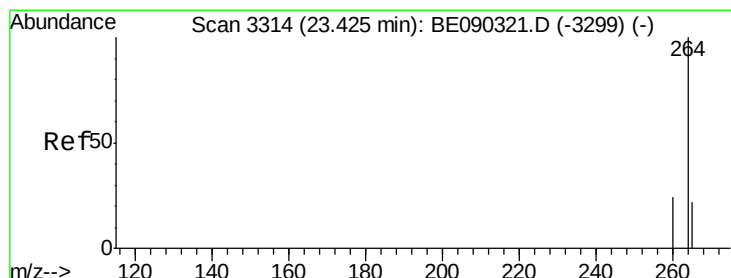
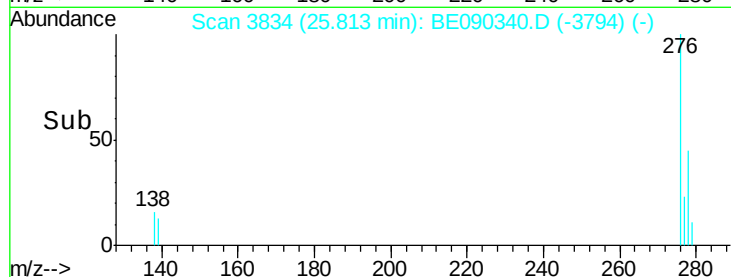
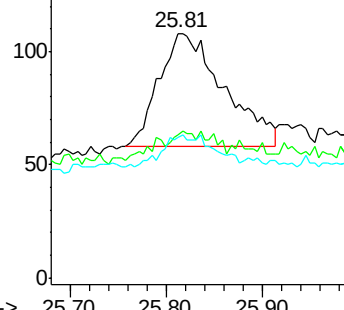
276 100

138 3.8 10.6 16.0#

277 12.3 14.6 22.0#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.42 min Scan# 3312

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

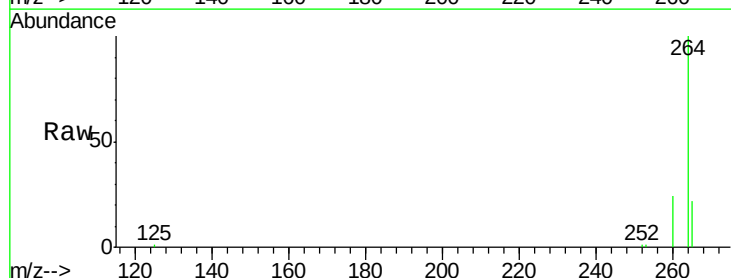
Tgt Ion:264 Resp: 30213

Ion Ratio Lower Upper

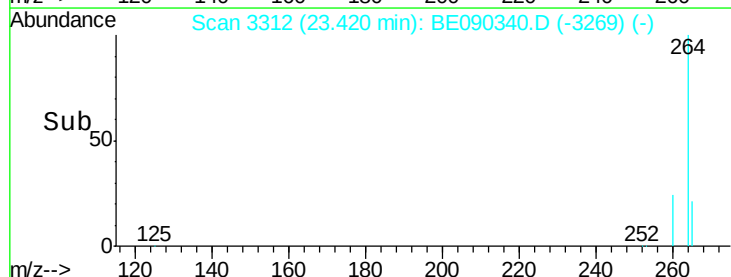
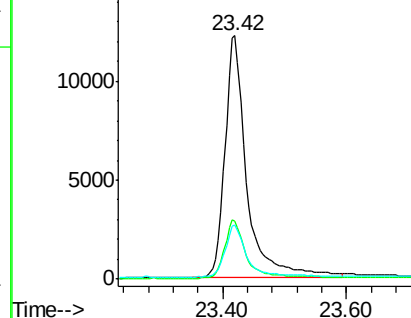
264 100

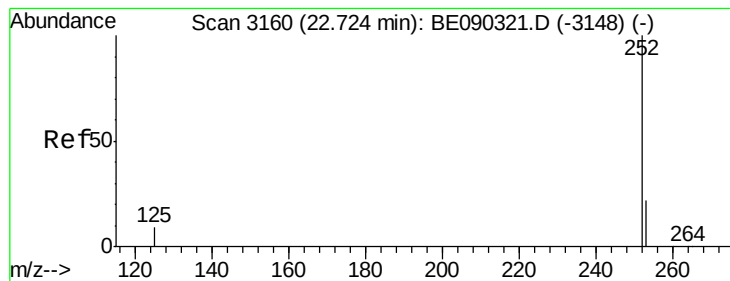
260 23.8 20.1 30.1

265 22.2 18.6 28.0



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





#33

Benzo(b)fluoranthene

Concen: 0.38 ng

RT: 22.71 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

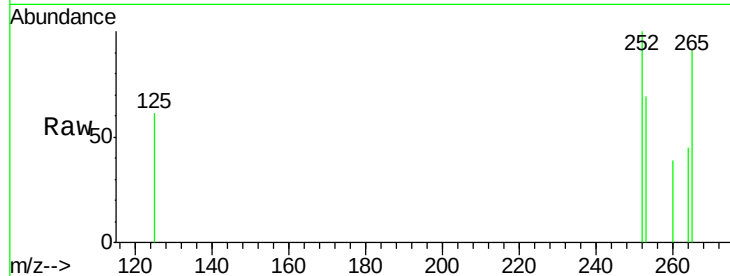
Tgt Ion: 252 Resp: 132

Ion Ratio Lower Upper

252 100

253 69.5 21.5 32.3#

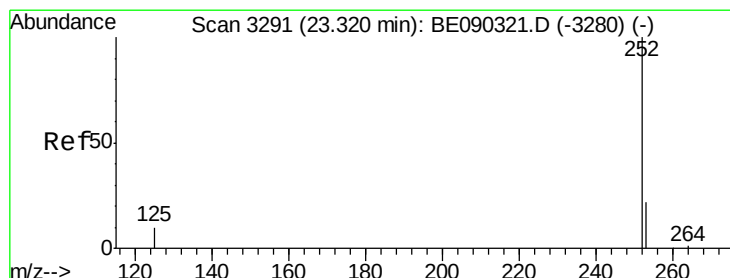
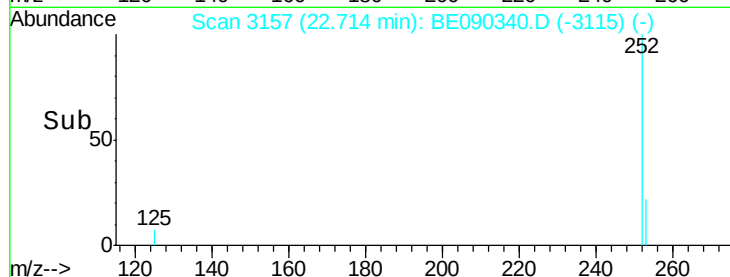
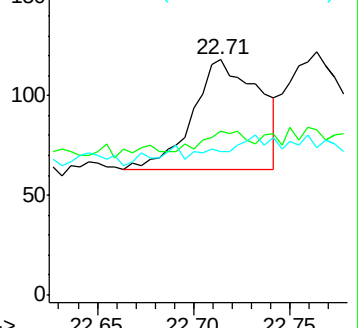
125 61.0 11.8 17.8#



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



#35

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.32 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

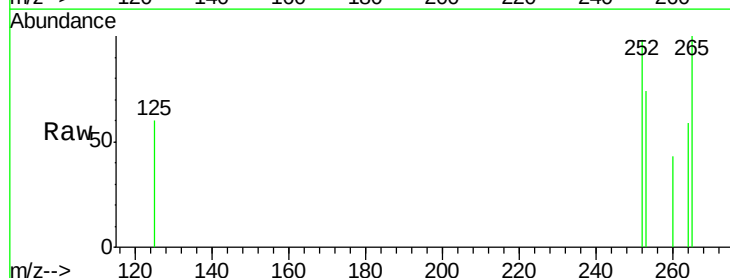
Tgt Ion: 252 Resp: 147

Ion Ratio Lower Upper

252 100

253 75.2 23.0 34.4#

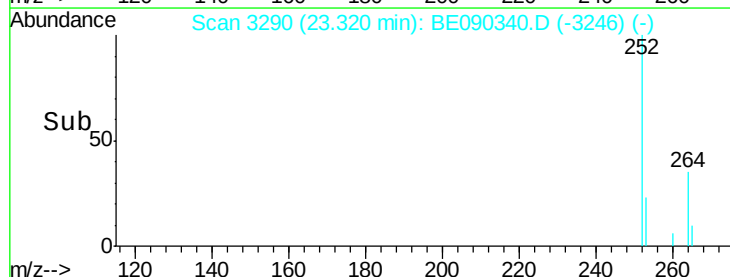
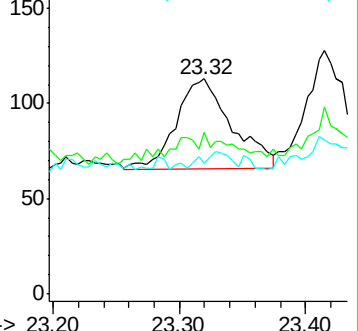
125 61.1 14.2 21.2#

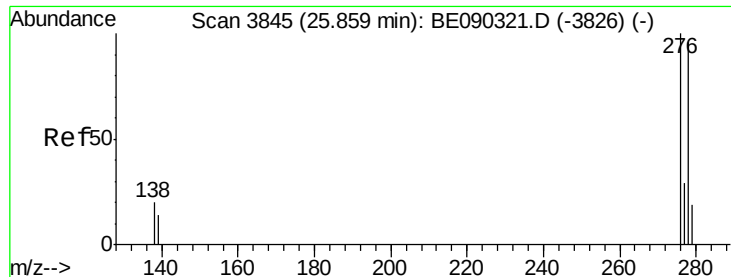


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.25 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.02 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-B

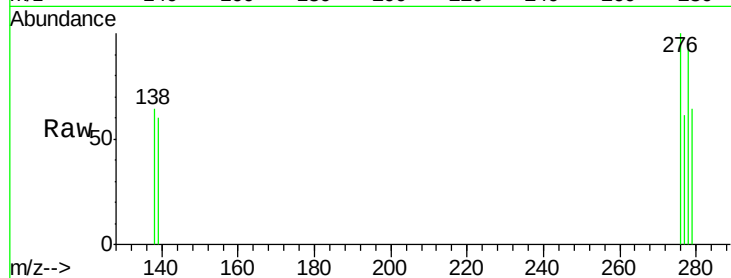
Tgt Ion: 278 Resp: 183

Ion Ratio Lower Upper

278 100

139 63.3 27.8 41.6#

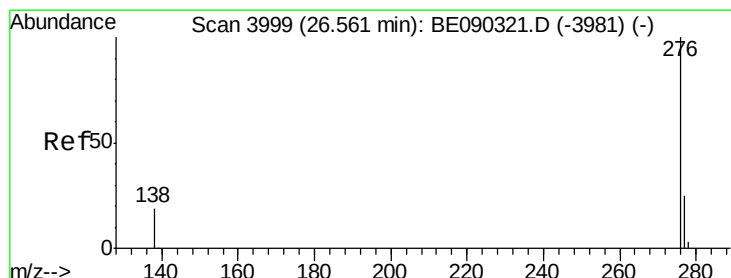
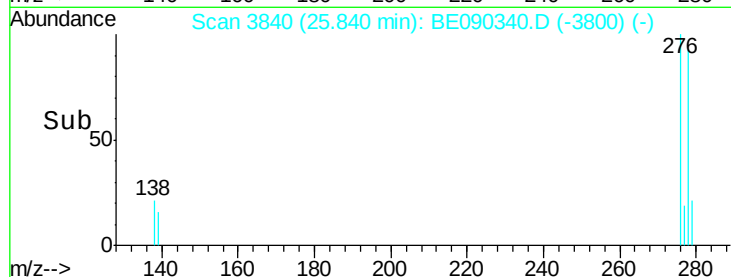
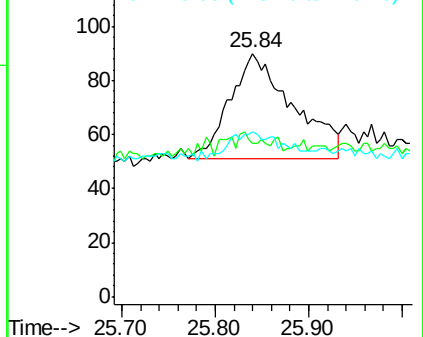
279 67.8 30.9 46.3#



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



#37

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 26.55 min Scan# 3996

Delta R.T. -0.01 min

Lab File: BE090340.D

Acq: 4 Aug 2015 10:36

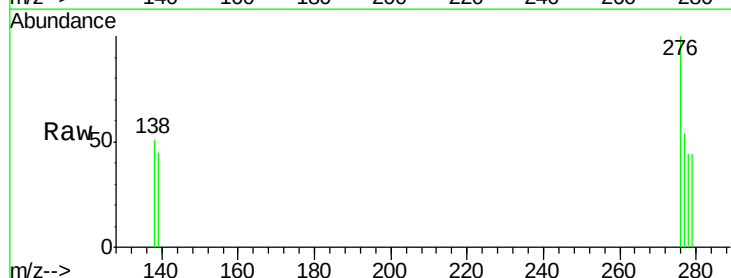
Tgt Ion: 276 Resp: 279

Ion Ratio Lower Upper

276 100

277 53.8 25.6 38.4#

138 51.3 22.0 33.0#



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

