

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090436.D
 Acq On : 11 Aug 2015 19:59
 Operator : UM/IZ
 Sample : G3135-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080815-D506-E-U-M

Quant Time: Aug 12 04:14:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	13529	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	60814	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	35928	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	85263	5.00	ng	0.00
25) Chrysene-d12	21.09	240	97559	5.00	ng	0.00
32) Perylene-d12	23.40	264	86098	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	19567	9.64	ng	0.00
5) Phenol-d6	6.77	99	18586	4.34	ng	0.00
7) Nitrobenzene-d5	8.73	82	25155	5.08	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	14712	11.22	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	62201	6.29	ng	0.00
27) Terphenyl-d14	19.55	244	114783	7.99	ng	-0.01

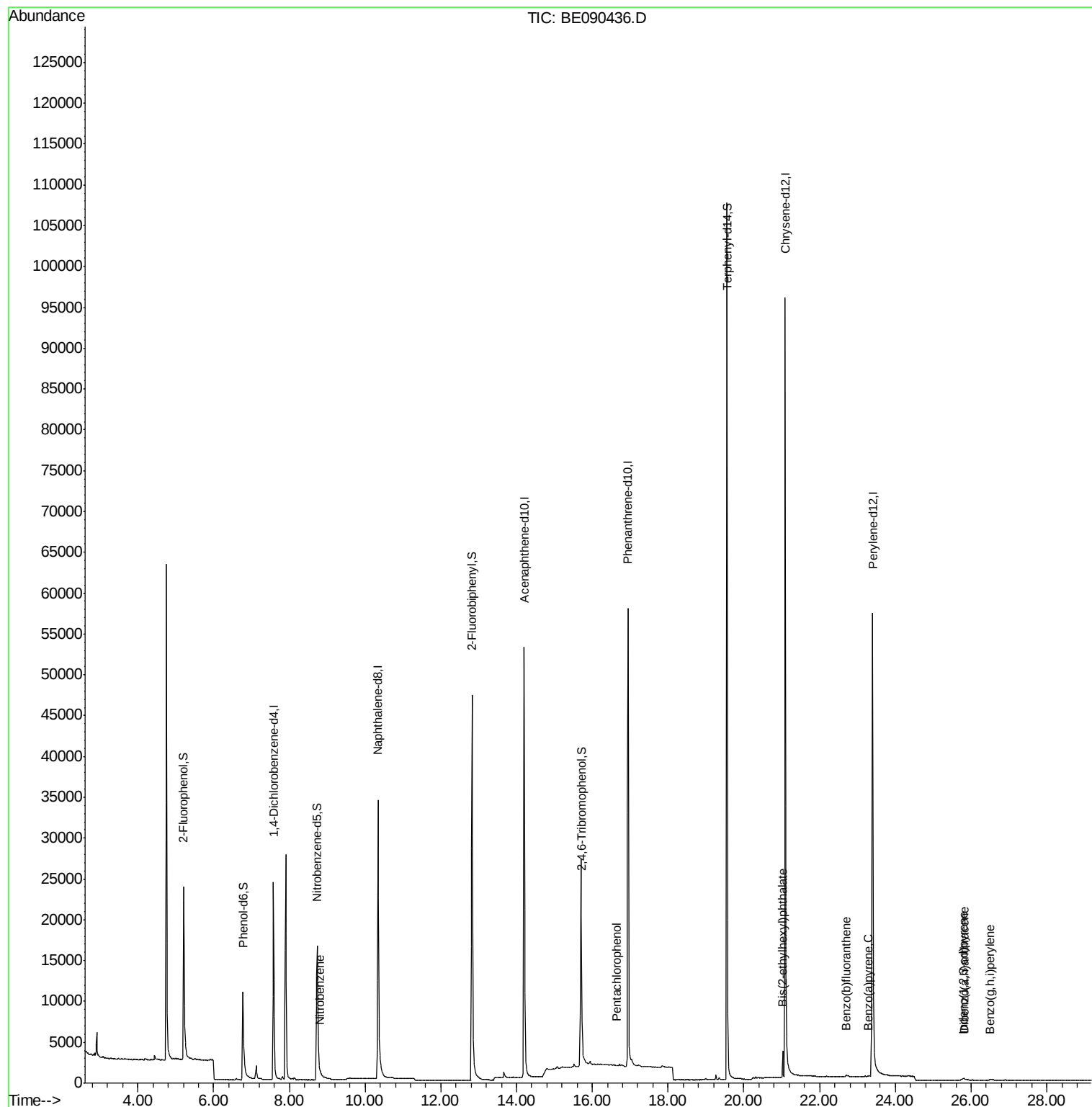
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	87	Below Cal	#	23
8) Nitrobenzene	8.81	77	13	0.21 ng	#	71
10) Hexachlorobutadiene	10.66	225	11	Below Cal	#	71
21) Pentachlorophenol	16.65	266	16	0.12 ng	#	69
30) Bis(2-ethylhexyl)phthalate	21.03	149	2783	0.63 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	429	0.27 ng	#	83
33) Benzo(b)fluoranthene	22.71	252	206	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	217	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	266	0.30 ng	#	4
37) Benzo(g,h,i)perylene	26.51	276	334	0.02 ng	#	27

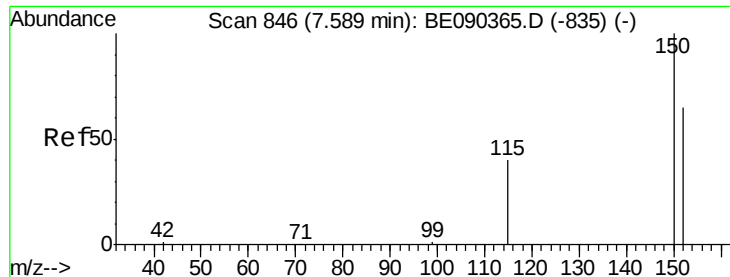
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 12 04:14:56 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

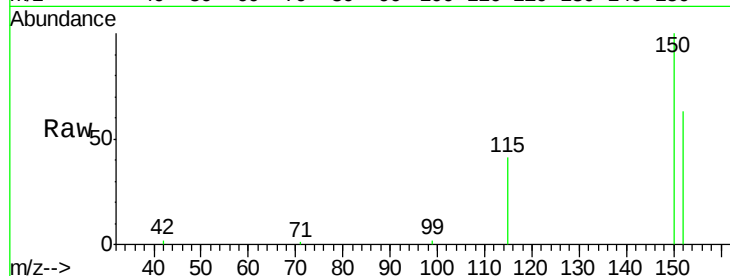
Tgt Ion:152 Resp: 13529

Ion Ratio Lower Upper

152 100

150 157.6 123.0 184.4

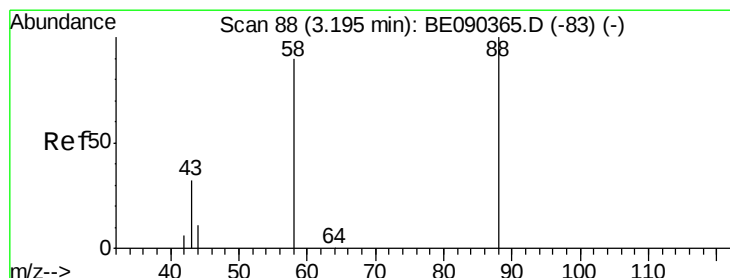
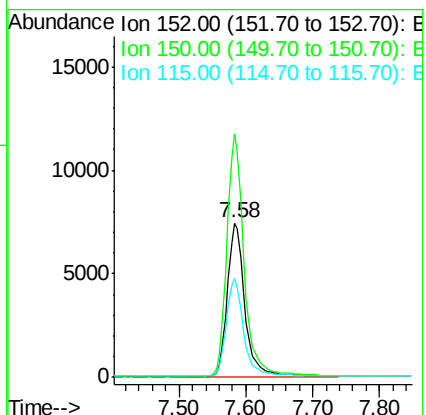
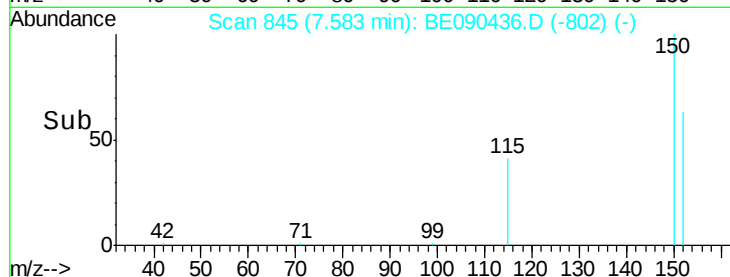
115 64.5 48.9 73.3



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: Below Cal

RT: 3.26 min Scan# 98

Delta R.T. 0.07 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

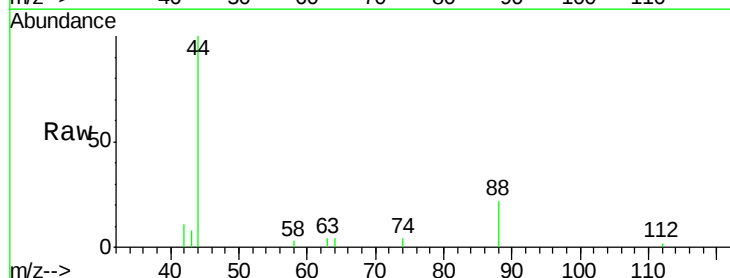
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

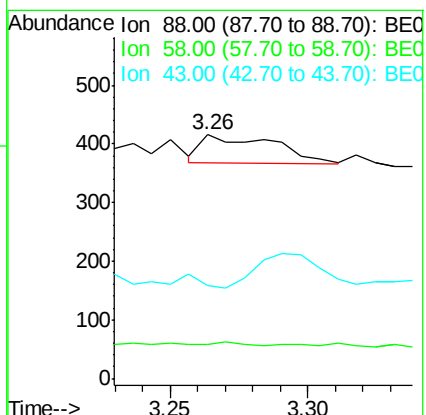
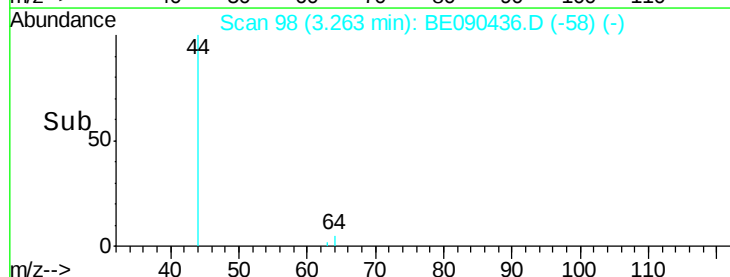
43 14.9 28.4 42.6#

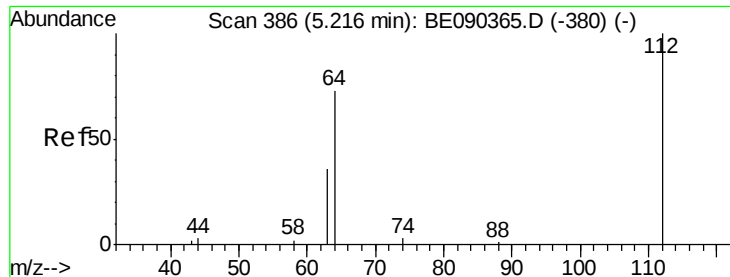


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 9.64 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

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080815-D506-E-U-M

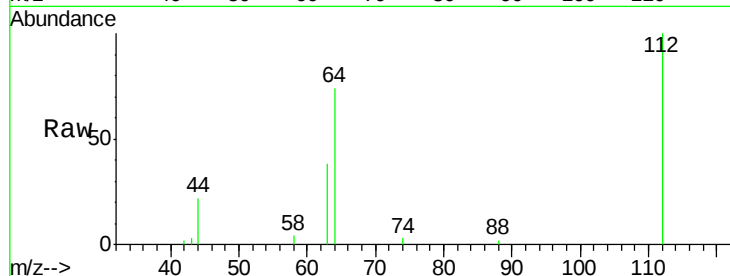
Tgt Ion: 112 Resp: 19567

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

63 36.1 19.5 29.3#

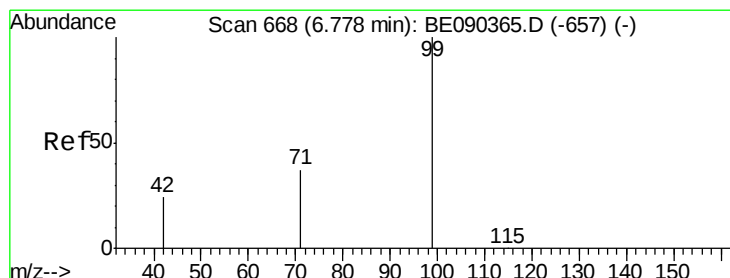
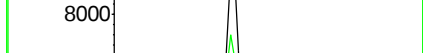
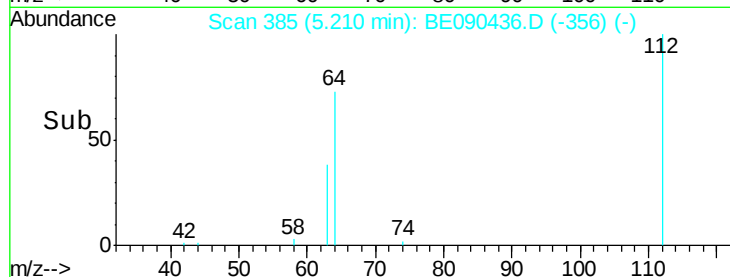


Abundance Ion 112.00 (111.70 to 112.70): BE090436.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090436.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090436.D (-380) (-)

Time-->



#5

Phenol-d6

Concen: 4.34 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

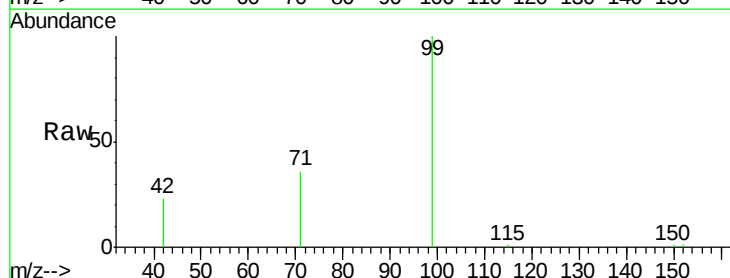
Tgt Ion: 99 Resp: 18586

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.4

71 35.8 27.4 41.0

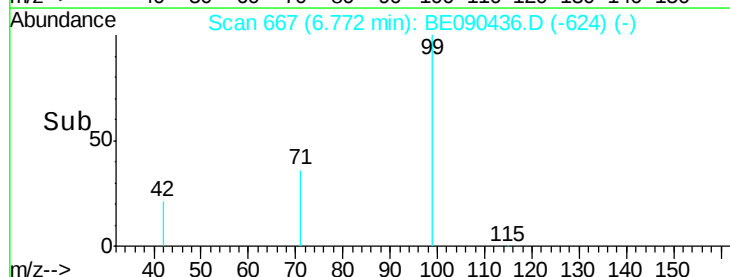


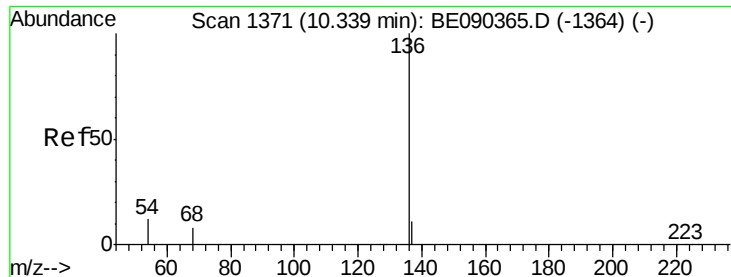
Abundance Ion 99.00 (98.70 to 99.70): BE090436.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BE090436.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BE090436.D (-657) (-)

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

Tgt Ion:136 Resp: 60814

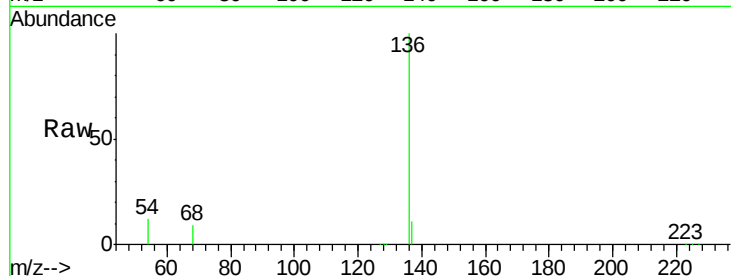
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.0 9.4 14.0

68 8.6 6.5 9.7

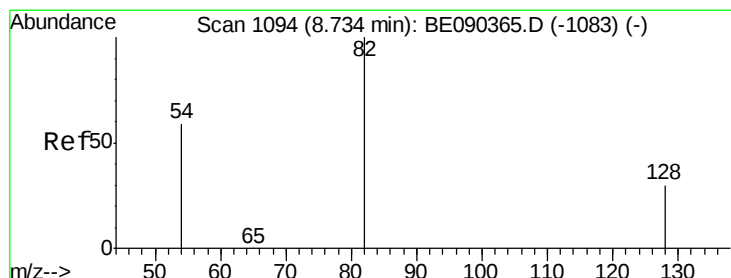
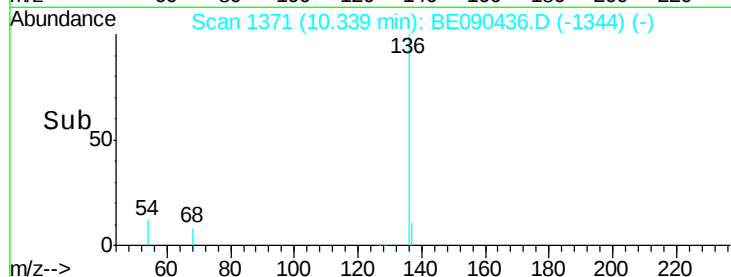
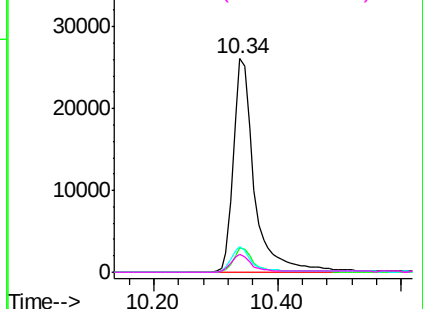


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.08 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

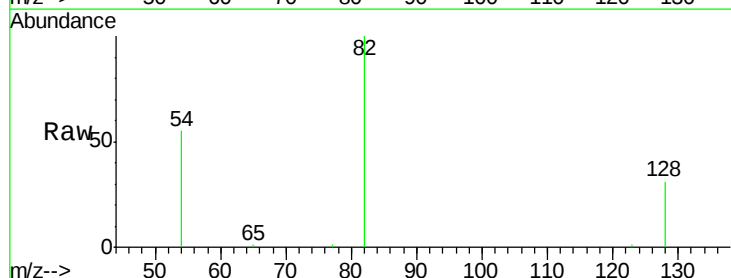
Tgt Ion: 82 Resp: 25155

Ion Ratio Lower Upper

82 100

128 31.4 25.0 37.6

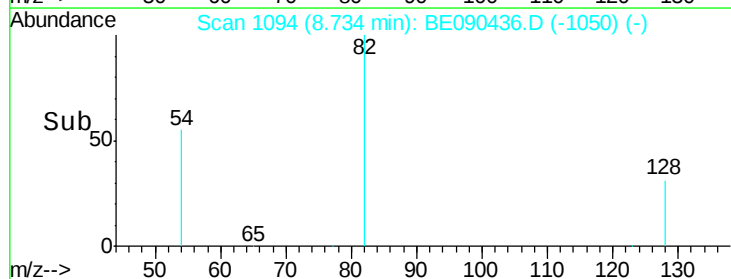
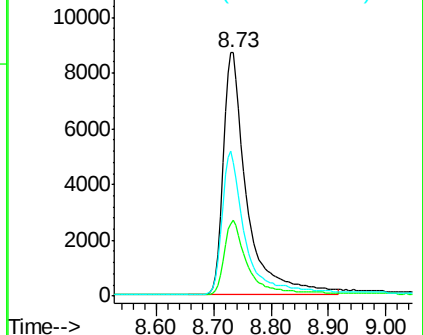
54 54.9 48.8 73.2

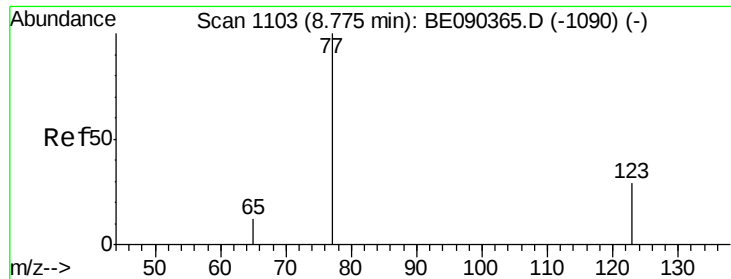


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.04 min

Lab File: BE090436.D

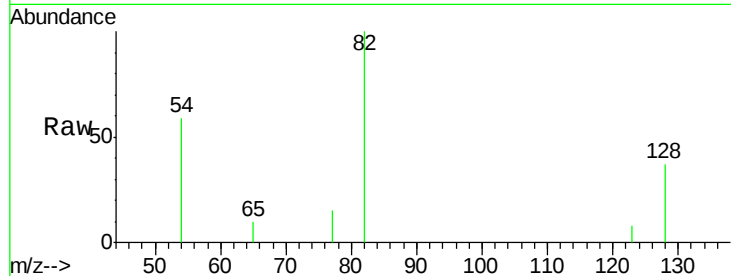
Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M



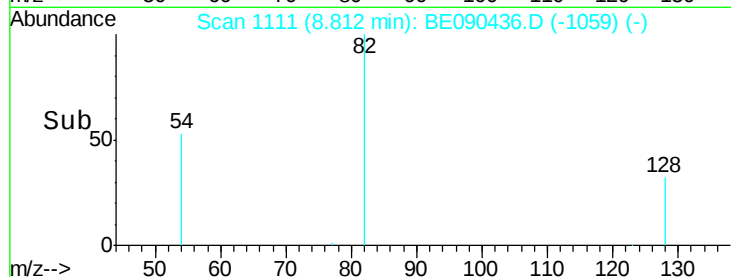
Tgt Ion: 77 Resp: 13

Ion Ratio Lower Upper

77 100

123 15.4 25.1 37.7#

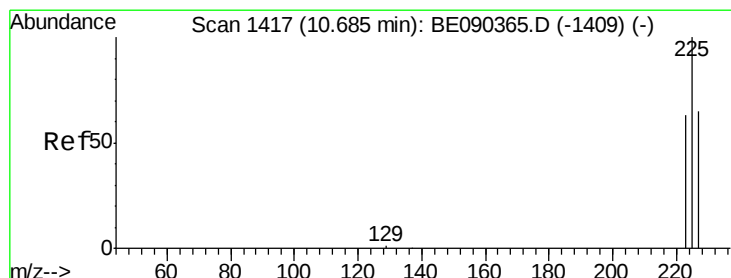
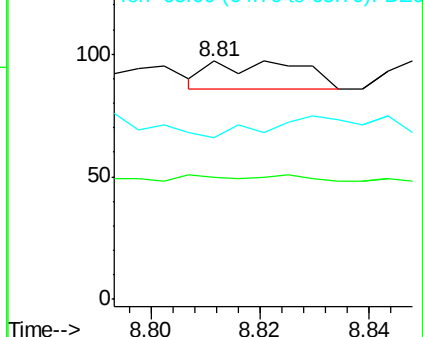
65 0.0 9.3 13.9#



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



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

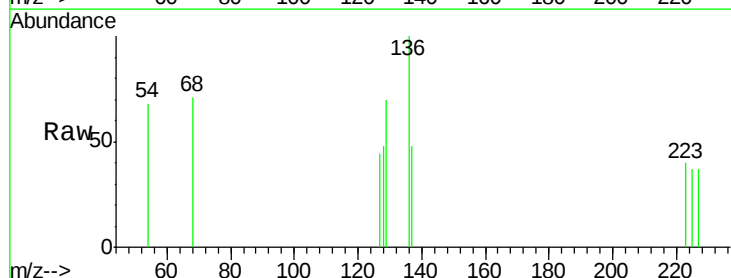
Tgt Ion: 225 Resp: 11

Ion Ratio Lower Upper

225 100

223 54.5 50.6 75.8

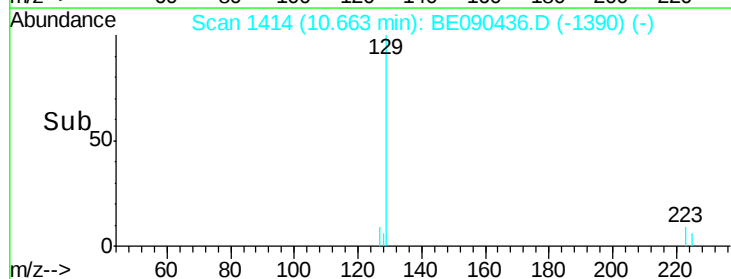
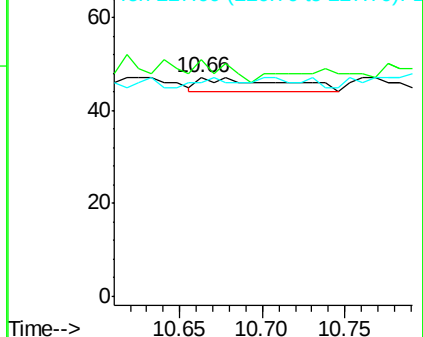
227 27.3 50.7 76.1#

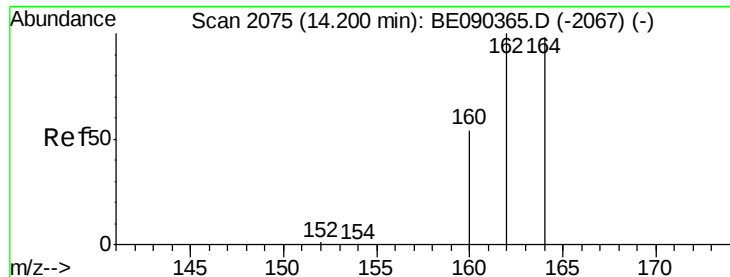


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

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ClientSampleId :

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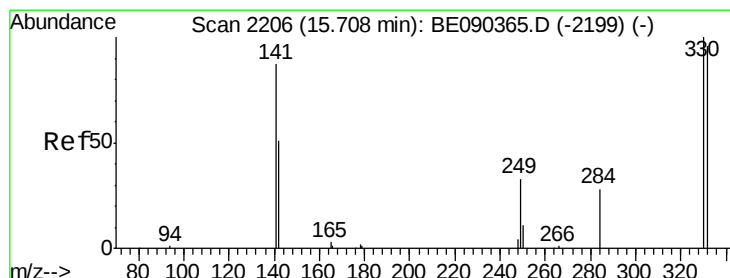
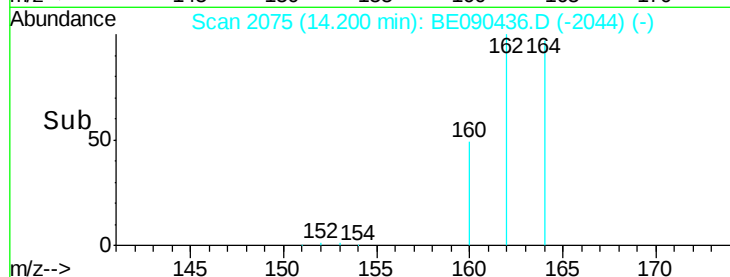
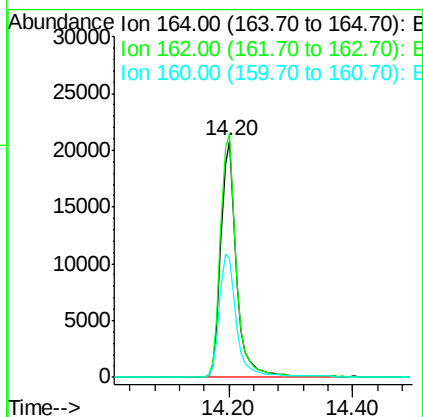
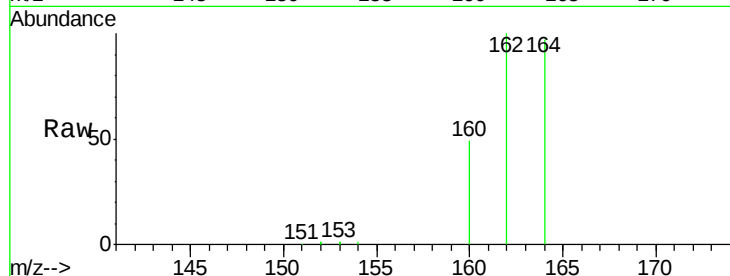
Tgt Ion:164 Resp: 35928

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.8

160 50.5 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 11.22 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

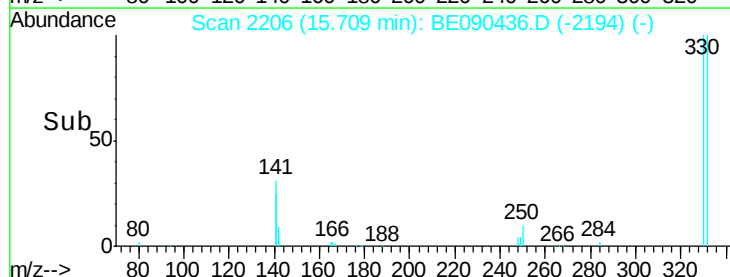
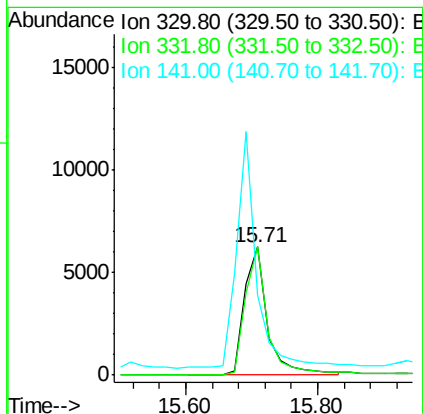
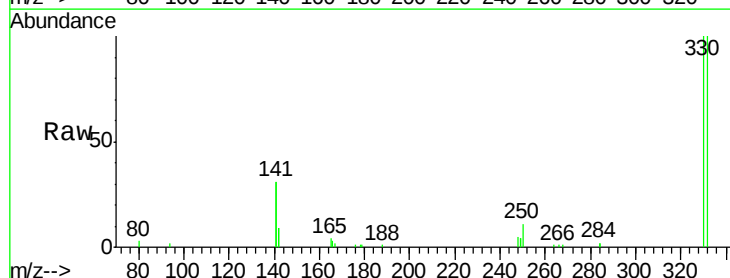
Tgt Ion:330 Resp: 14712

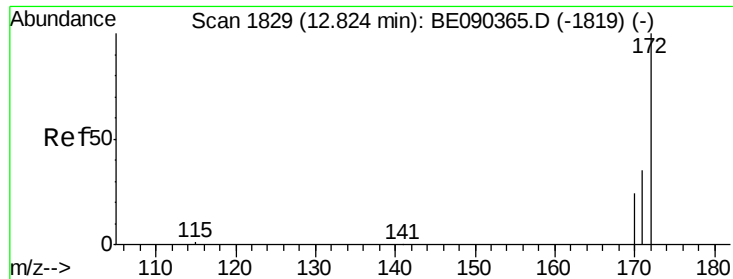
Ion Ratio Lower Upper

330 100

332 97.1 75.8 113.6

141 161.7 114.4 171.6

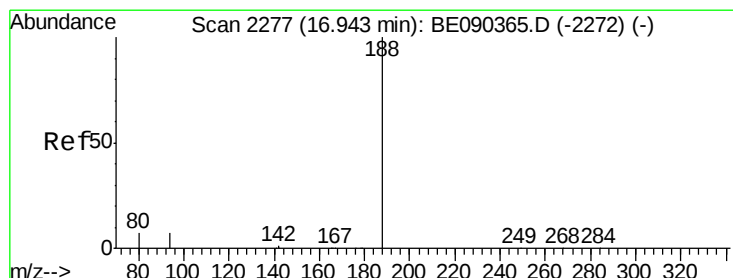
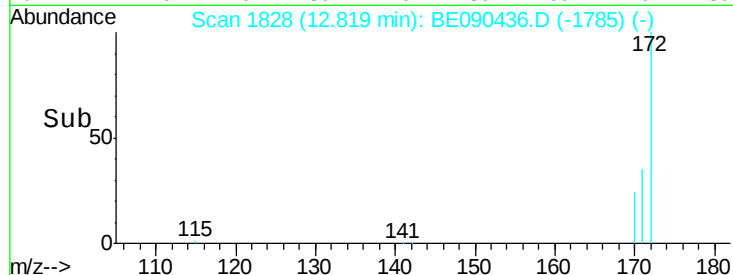
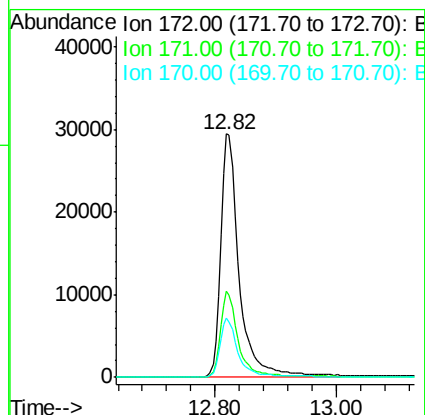
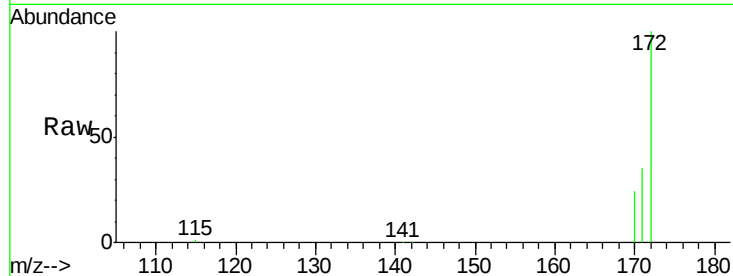




#14
2-Fluorobiphenyl
Concen: 6.29 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090436.D
Acq: 11 Aug 2015 19:59

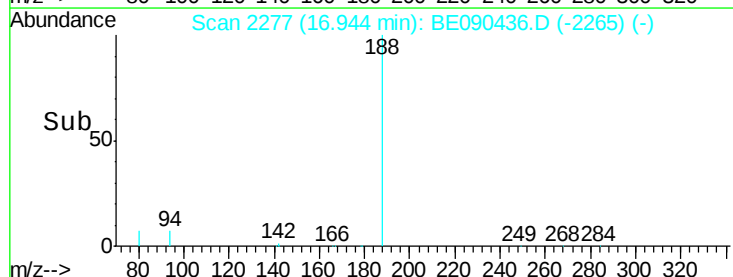
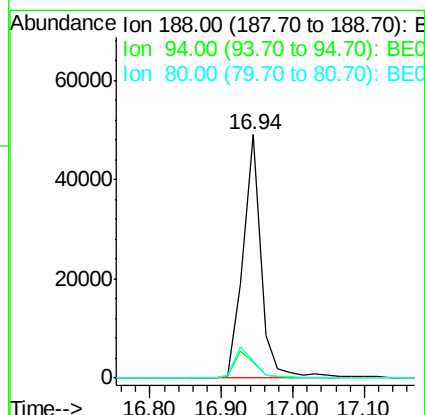
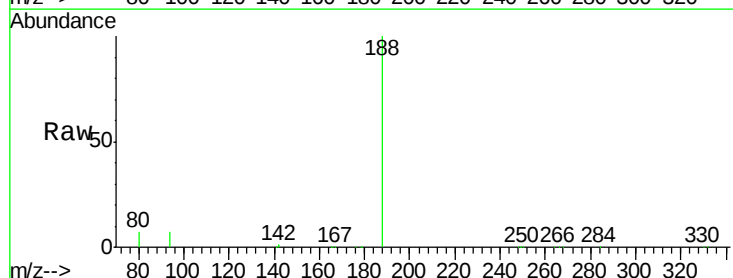
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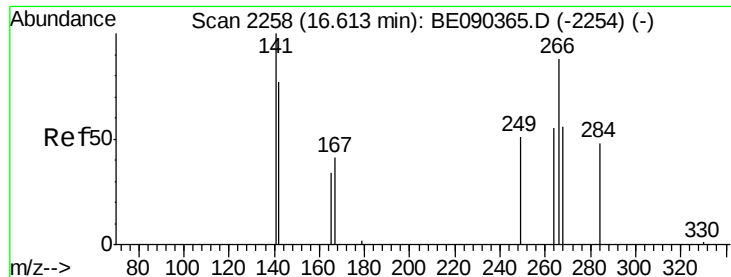
Tgt Ion:172 Resp: 62201
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 24.4 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090436.D
Acq: 11 Aug 2015 19:59

Tgt Ion:188 Resp: 85263
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 7.0 5.8 8.8

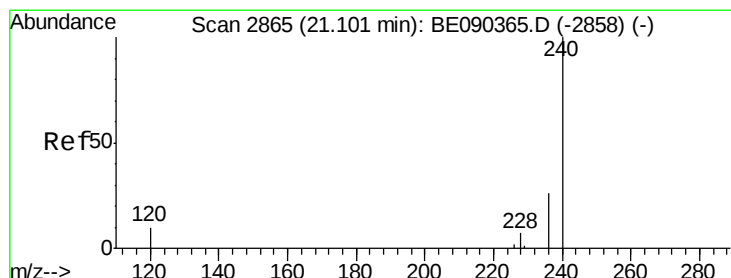
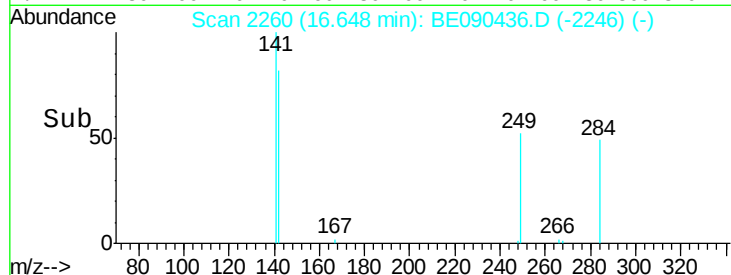
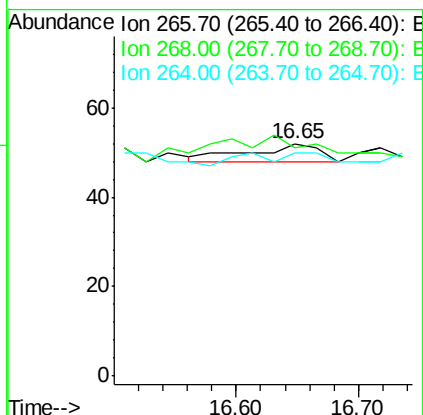
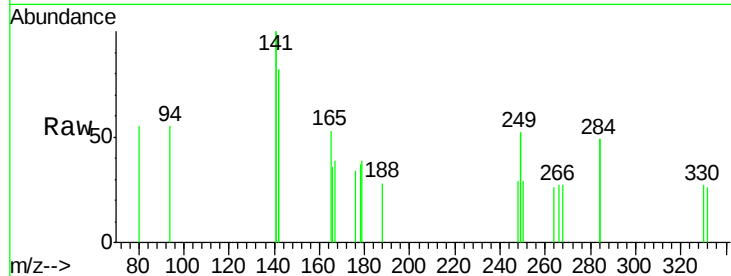




#21
Pentachlorophenol
Concen: 0.12 ng
RT: 16.65 min Scan# 2260
Delta R.T. 0.04 min
Lab File: BE090436.D
Acq: 11 Aug 2015 19:59

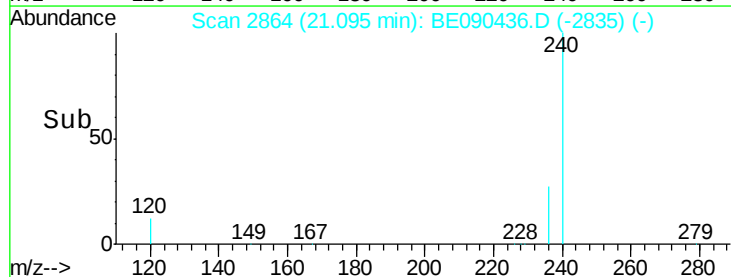
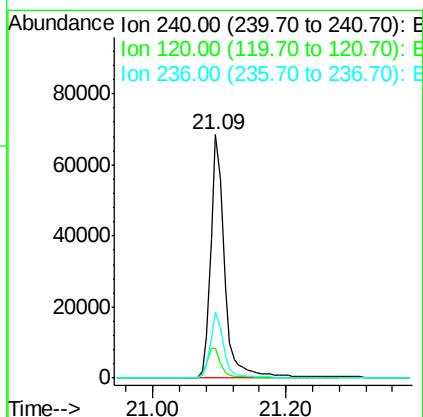
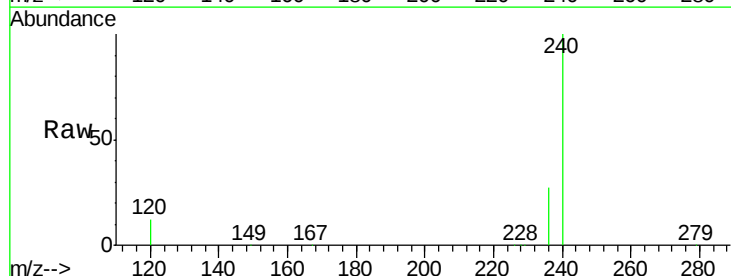
Instrument :
BNA_E
ClientSampleId :
080815-D506-E-U-M

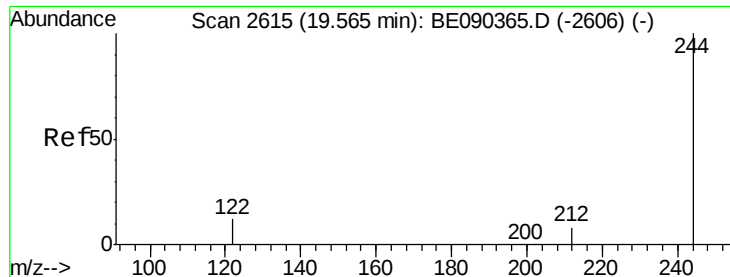
Tgt Ion: 266 Resp: 16
Ion Ratio Lower Upper
266 100
268 98.1 58.5 87.7#
264 96.2 56.0 84.0#



#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090436.D
Acq: 11 Aug 2015 19:59

Tgt Ion: 240 Resp: 97559
Ion Ratio Lower Upper
240 100
120 12.2 8.3 12.5
236 26.9 21.0 31.4





#27

Terphenyl-d14

Concen: 7.99 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

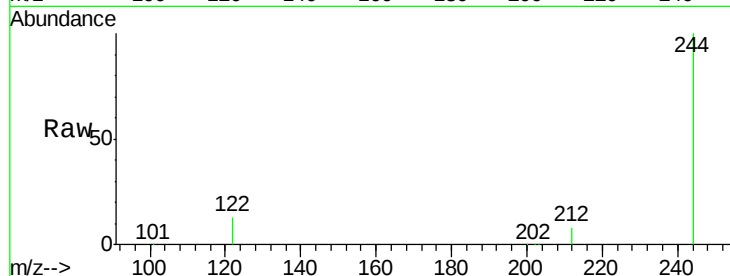
Tgt Ion:244 Resp: 114783

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

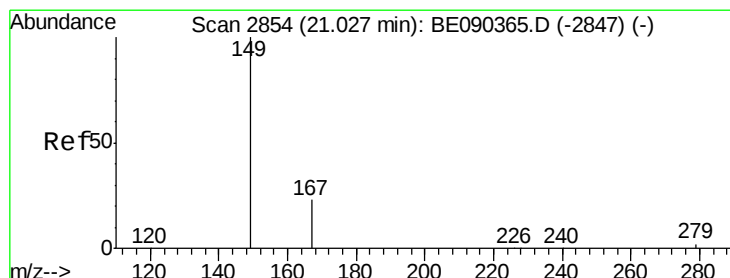
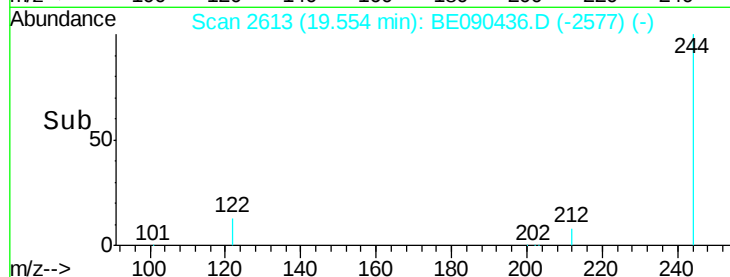
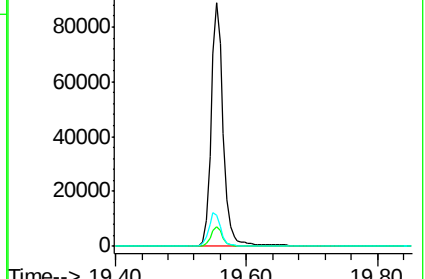
122 12.6 10.2 15.4



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

Bis(2-ethylhexyl)phthalate

Concen: 0.63 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

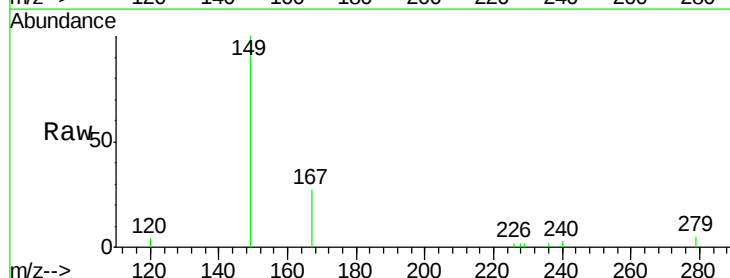
Tgt Ion:149 Resp: 2783

Ion Ratio Lower Upper

149 100

167 25.2 19.8 29.8

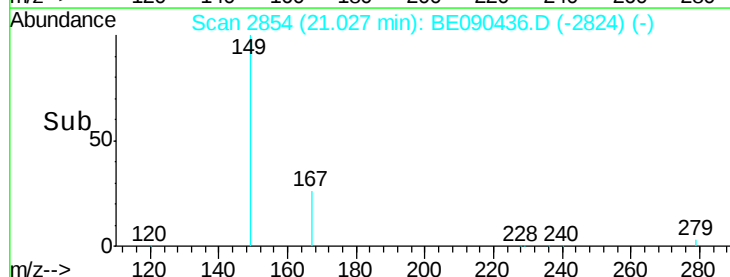
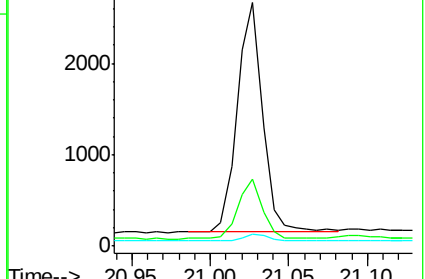
279 2.9 2.4 3.6

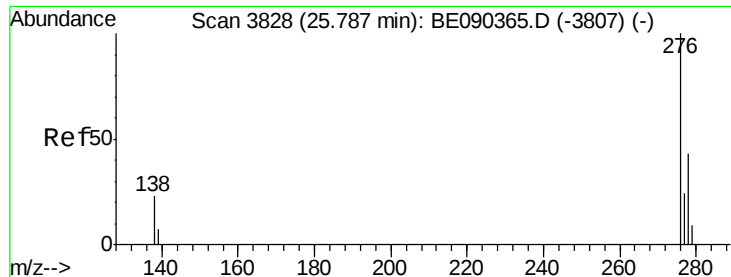


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.27 ng

RT: 25.79 min Scan# 3828

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

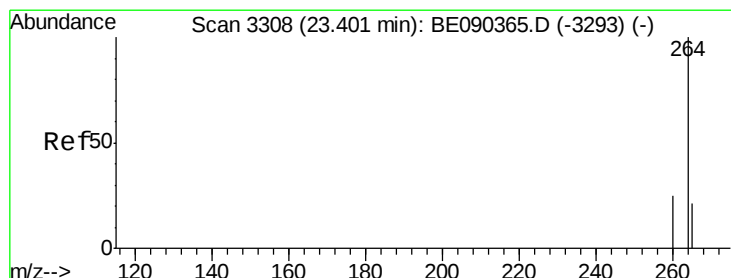
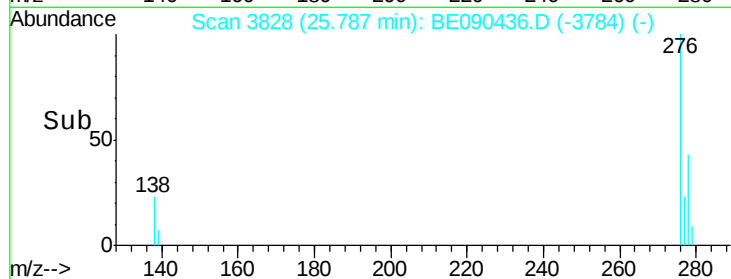
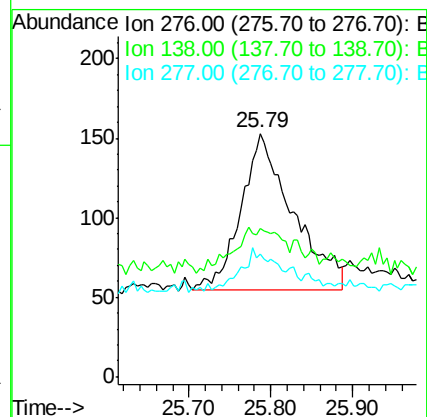
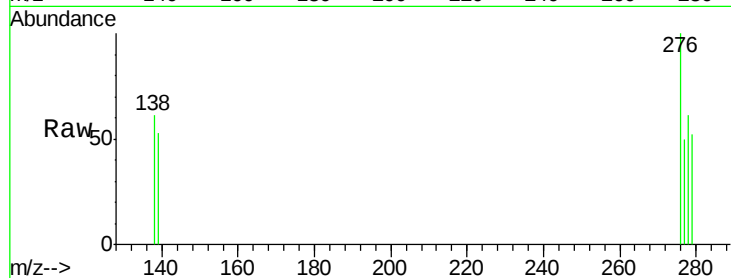
Tgt Ion:276 Resp: 429

Ion Ratio Lower Upper

276 100

138 14.0 18.8 28.2#

277 15.6 18.2 27.4#



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

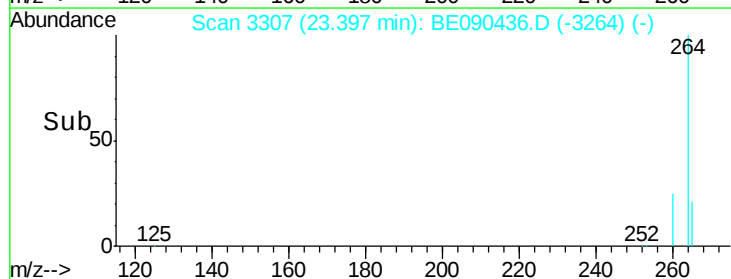
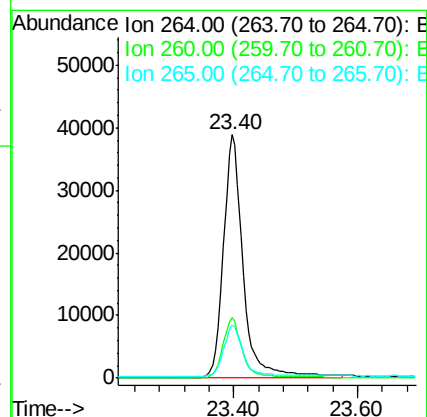
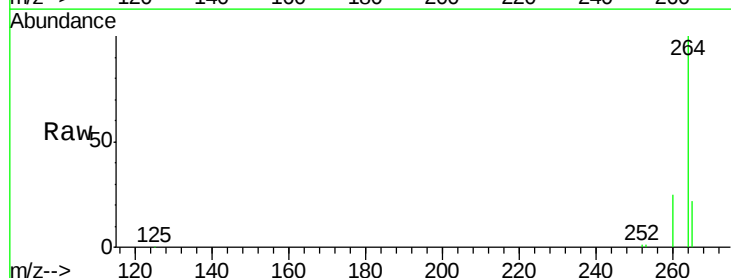
Tgt Ion:264 Resp: 86098

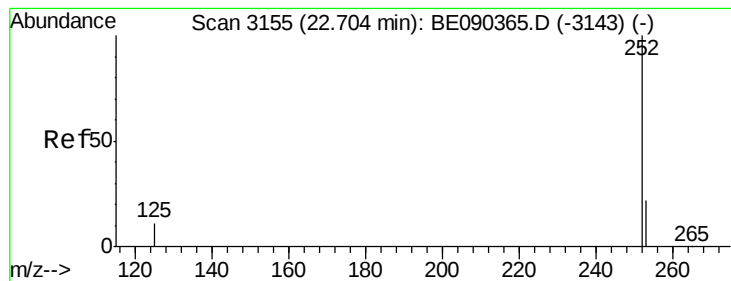
Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 21.8 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

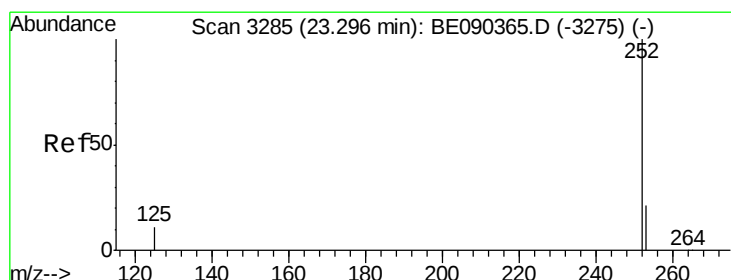
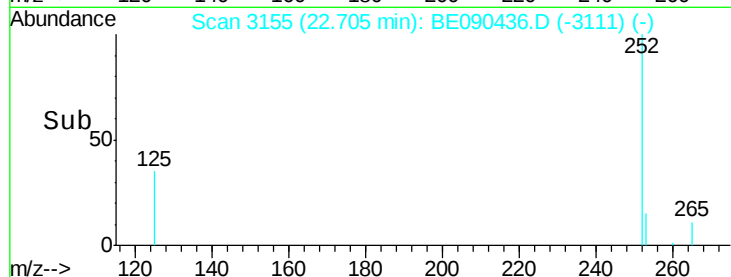
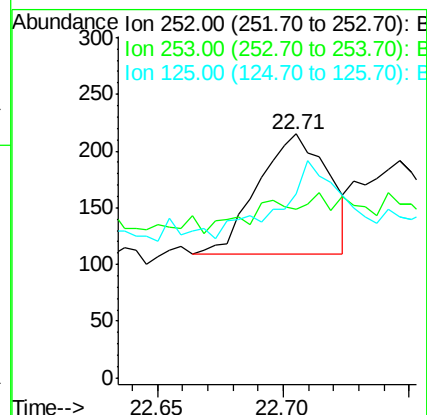
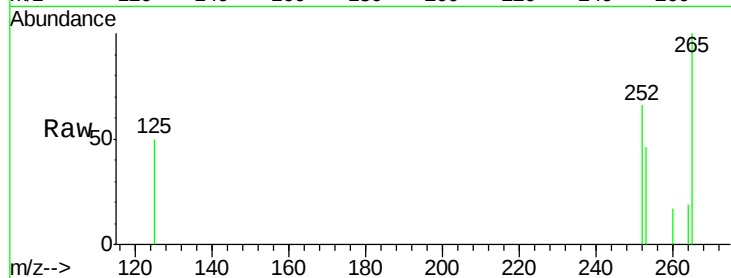
Tgt Ion: 252 Resp: 206

Ion Ratio Lower Upper

252 100

253 69.3 18.1 27.1#

125 75.3 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

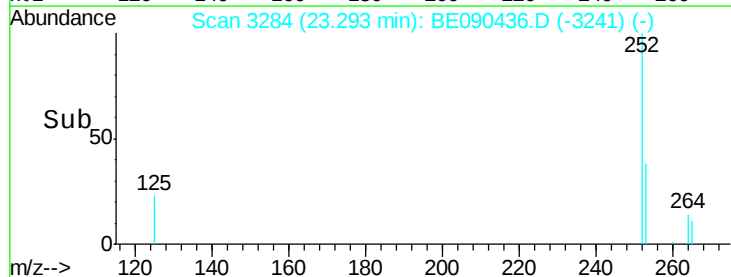
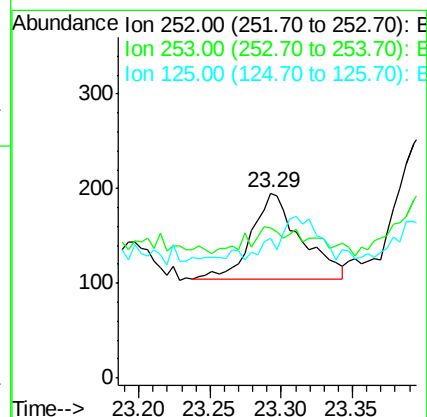
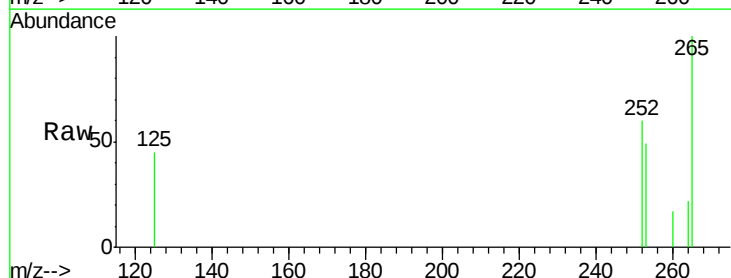
Tgt Ion: 252 Resp: 217

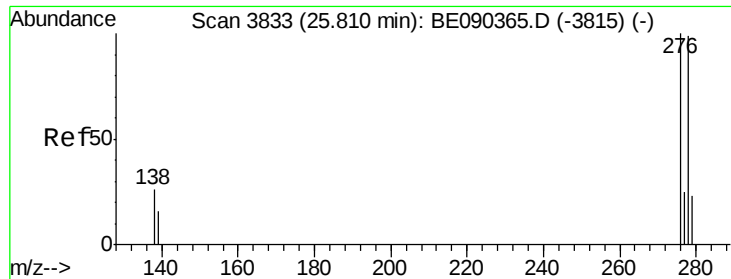
Ion Ratio Lower Upper

252 100

253 81.5 17.6 26.4#

125 75.4 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 25.81 min Scan# 3833

Delta R.T. 0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

Instrument :

BNA_E

ClientSampleId :

080815-D506-E-U-M

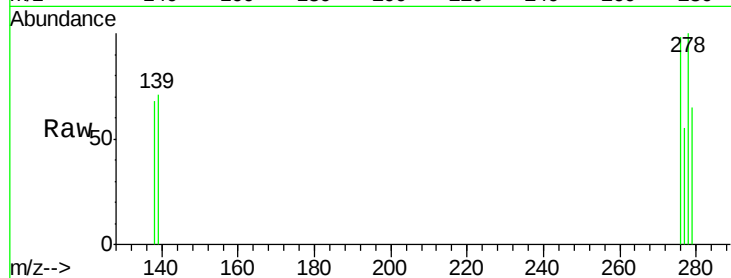
Tgt Ion: 278 Resp: 266

Ion Ratio Lower Upper

278 100

139 70.8 14.2 21.4#

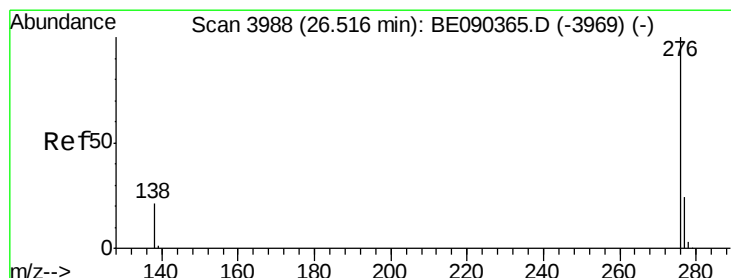
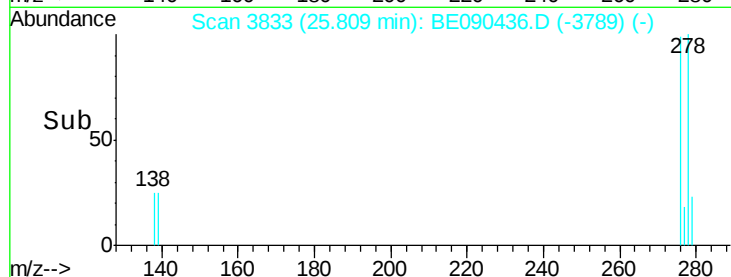
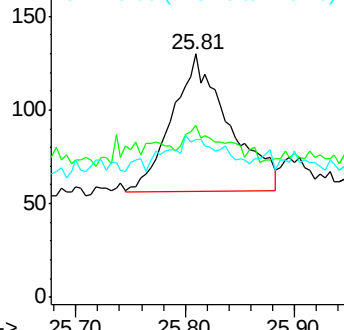
279 64.6 20.1 30.1#



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: 0.02 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.00 min

Lab File: BE090436.D

Acq: 11 Aug 2015 19:59

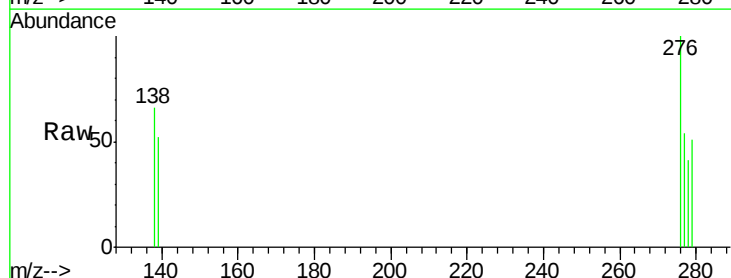
Tgt Ion: 276 Resp: 334

Ion Ratio Lower Upper

276 100

277 53.7 20.1 30.1#

138 66.2 18.1 27.1#



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

