

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090418.D
 Acq On : 11 Aug 2015 1:38
 Operator : TP/UM
 Sample : G3205-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080615-D506-E-D-M

Quant Time: Aug 11 03:18:41 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	26603	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	125616	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	74493	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	173706	5.00	ng	0.00
25) Chrysene-d12	21.09	240	205432	5.00	ng	0.00
32) Perylene-d12	23.40	264	190920	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	15486	3.88	ng	0.00
5) Phenol-d6	6.77	99	13989	1.81	ng	0.00
7) Nitrobenzene-d5	8.73	82	32792	3.28	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	18595	8.11	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	77381	3.78	ng	0.00
27) Terphenyl-d14	19.56	244	148956	4.92	ng	0.00

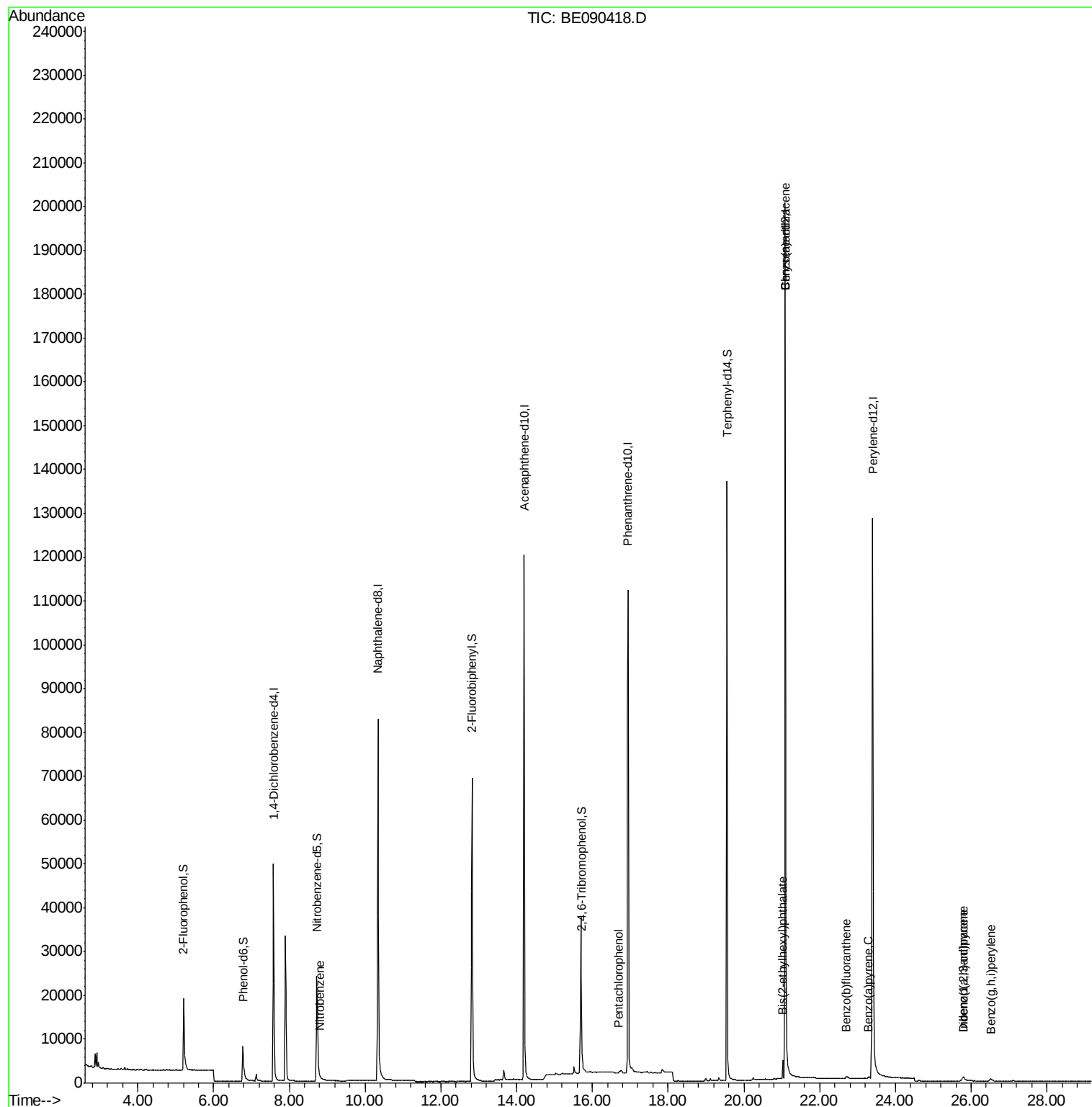
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	83	Below Cal	#	13
8) Nitrobenzene	8.81	77	21	0.21 ng	#	62
10) Hexachlorobutadiene	10.68	225	9	Below Cal	#	61
21) Pentachlorophenol	16.68	266	34	0.12 ng	#	71
28) Benzo(a)anthracene	21.09	228	1070	0.02 ng	#	82
30) Bis(2-ethylhexyl)phthalate	21.03	149	3801	0.45 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	1597	0.28 ng		95
33) Benzo(b)fluoranthene	22.70	252	679	0.21 ng	#	17
35) Benzo(a)pyrene	23.30	252	706	0.24 ng	#	20
36) Dibenzo(a,h)anthracene	25.81	278	1279	0.31 ng	#	59
37) Benzo(g,h,i)perylene	26.52	276	1214	0.03 ng	#	75

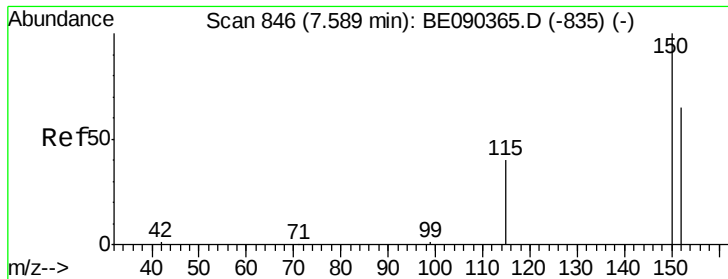
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M

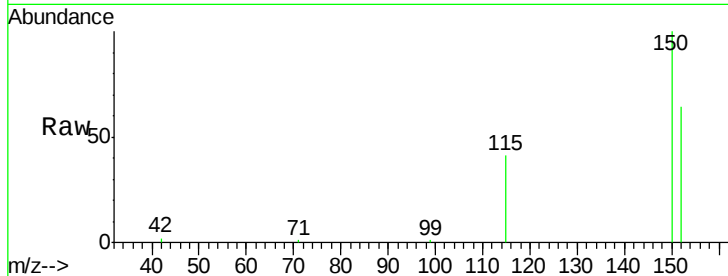
Tgt Ion:152 Resp: 26603

Ion Ratio Lower Upper

152 100

150 155.2 123.0 184.4

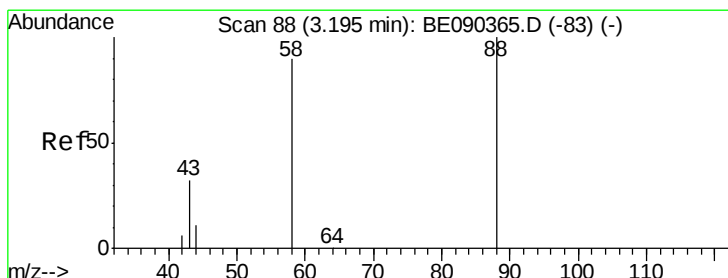
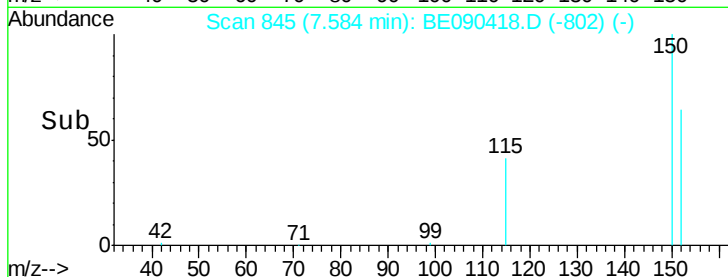
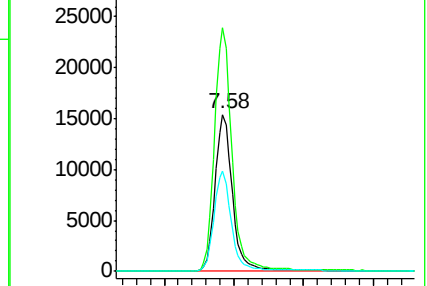
115 64.1 48.9 73.3



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: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

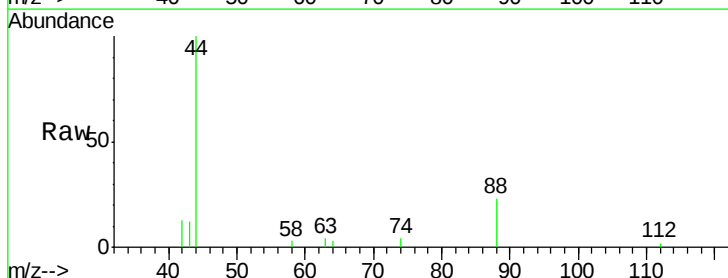
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

58 33.7 70.0 105.0#

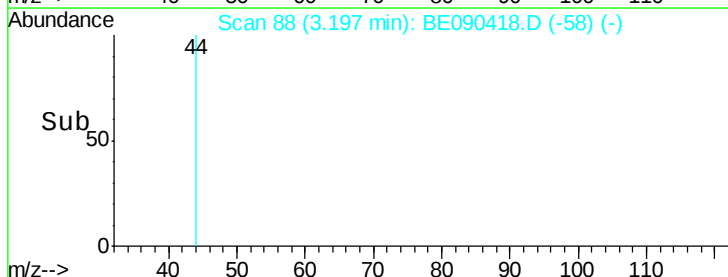
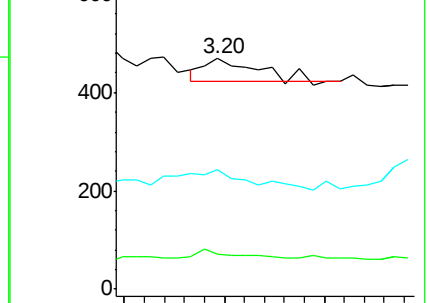
43 128.9 28.4 42.6#



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: 3.88 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M

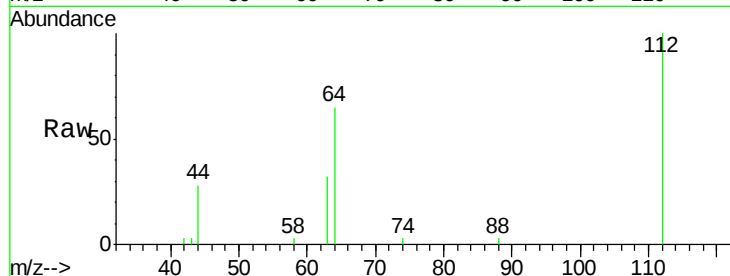
Tgt Ion: 112 Resp: 15486

Ion Ratio Lower Upper

112 100

64 70.6 37.1 55.7#

63 36.4 19.5 29.3#

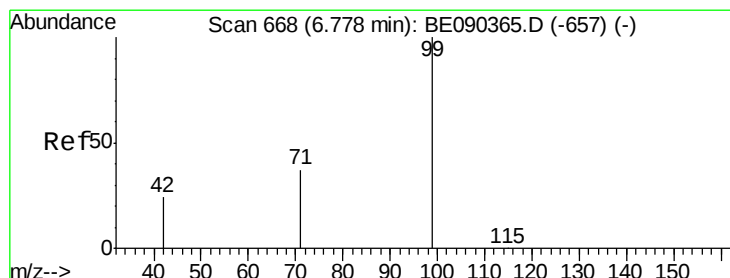
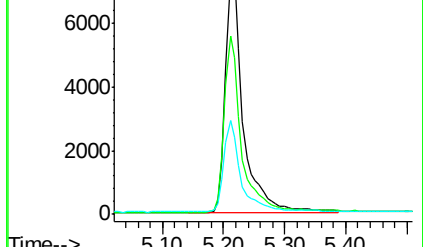
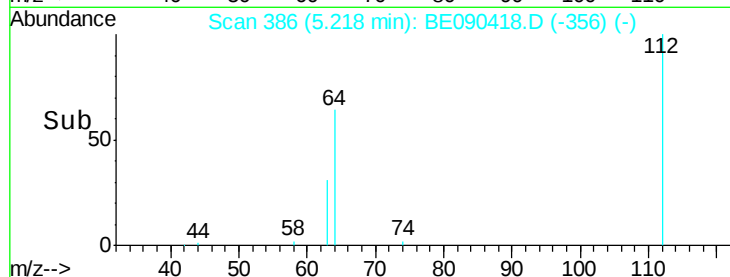


Abundance Ion 112.00 (111.70 to 112.70): BE090418.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090418.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090418.D (-356) (-)

Time-->



#5

Phenol-d6

Concen: 1.81 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

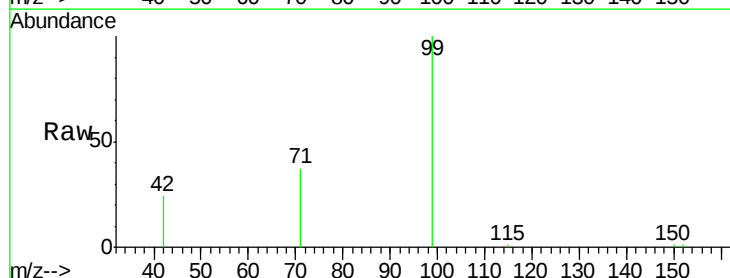
Tgt Ion: 99 Resp: 13989

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.4

71 35.4 27.4 41.0

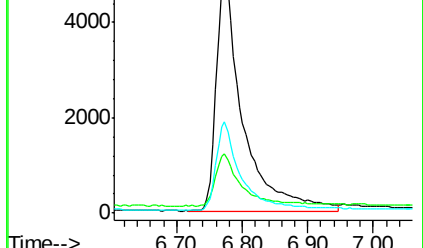
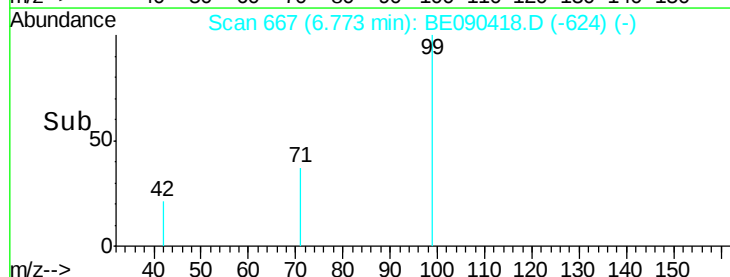


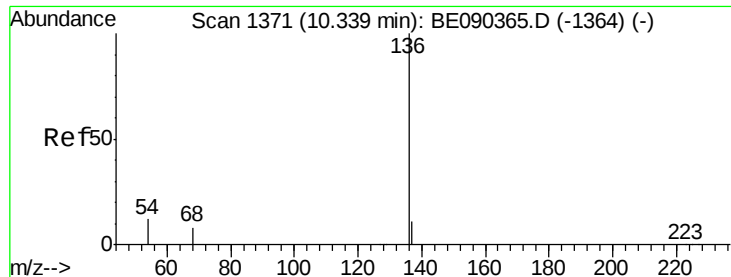
Abundance Ion 99.00 (98.70 to 99.70): BE090418.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090418.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090418.D (-624) (-)

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M

Tgt Ion: 136 Resp: 125616

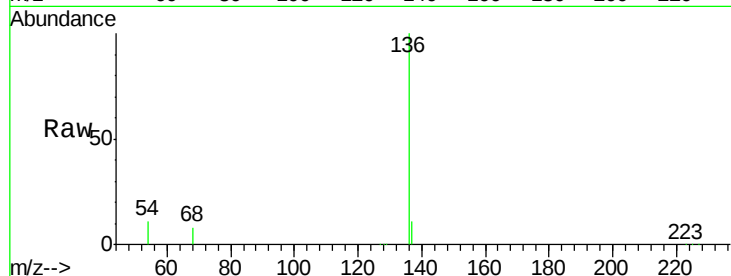
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.2 9.4 14.0

68 8.1 6.5 9.7

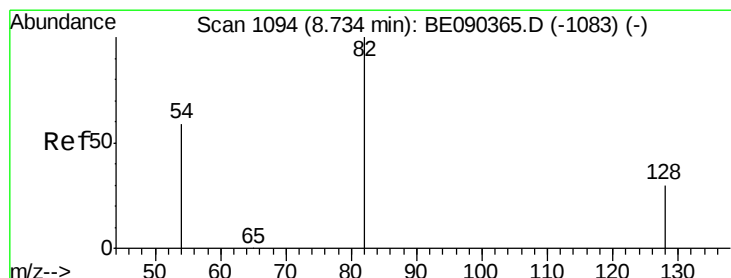
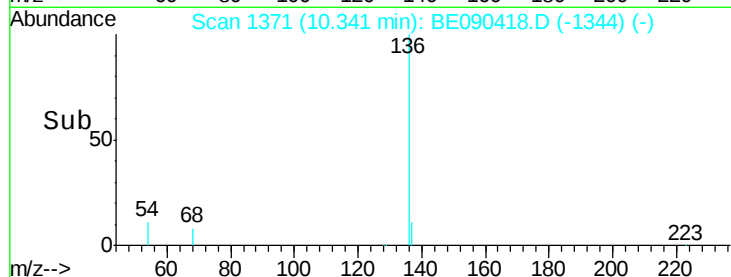
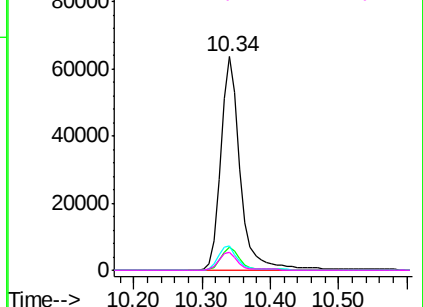


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.28 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

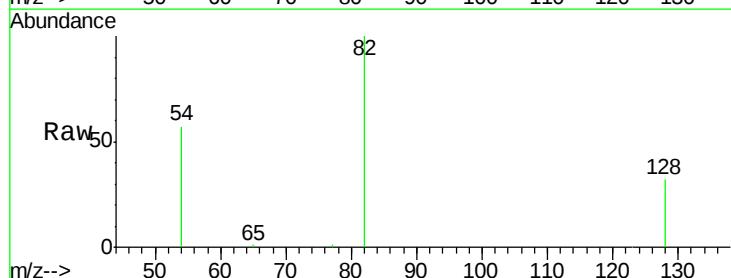
Tgt Ion: 82 Resp: 32792

Ion Ratio Lower Upper

82 100

128 31.6 25.0 37.6

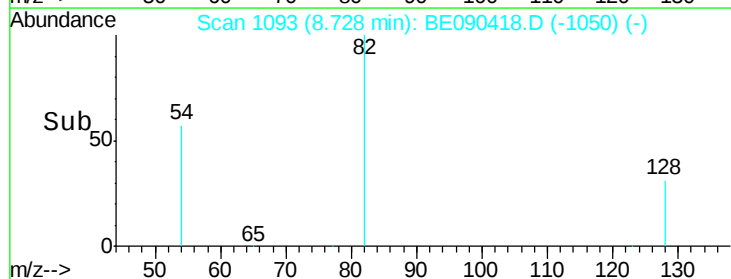
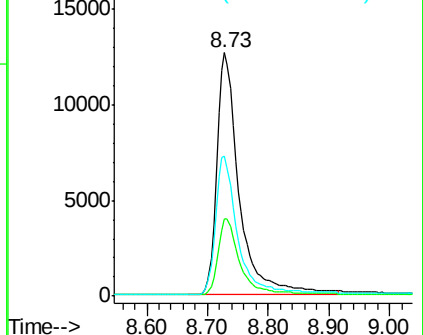
54 57.3 48.8 73.2

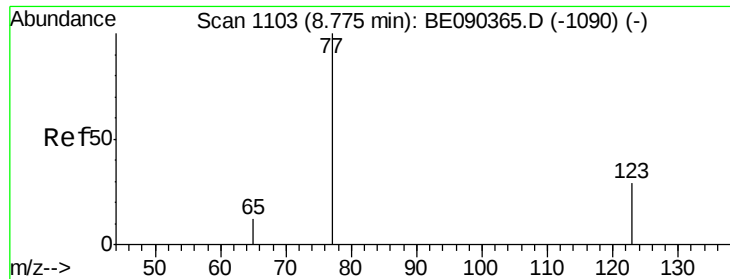


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

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080615-D506-E-D-M

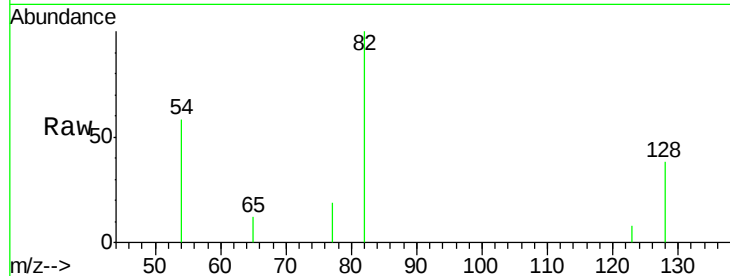
Tgt Ion: 77 Resp: 21

Ion Ratio Lower Upper

77 100

123 14.3 25.1 37.7#

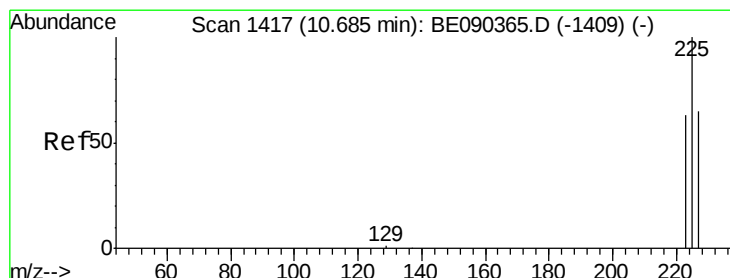
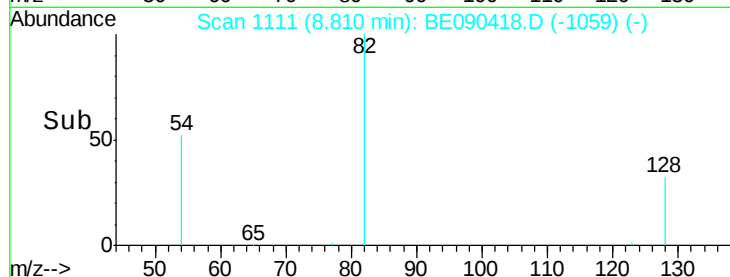
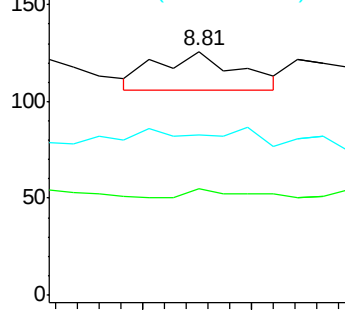
65 33.3 9.3 13.9#



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: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

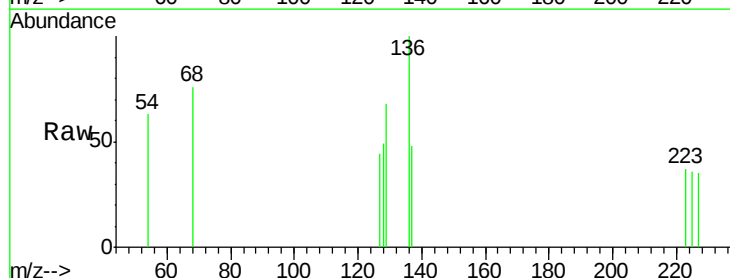
Tgt Ion: 225 Resp: 9

Ion Ratio Lower Upper

225 100

223 33.3 50.6 75.8#

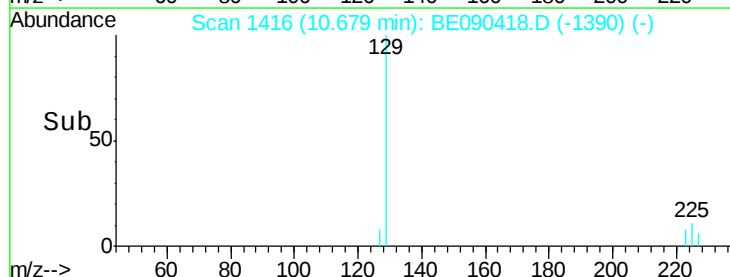
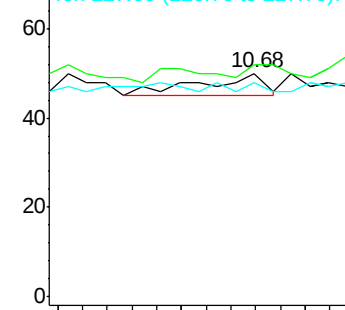
227 33.3 50.7 76.1#

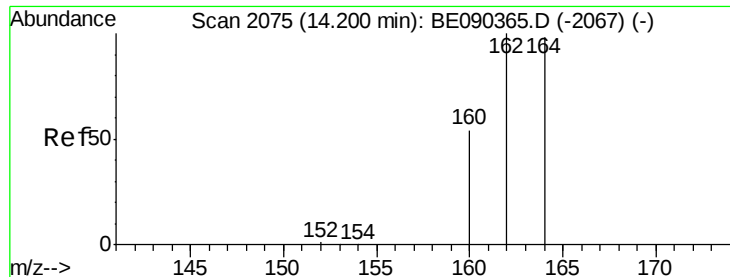


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

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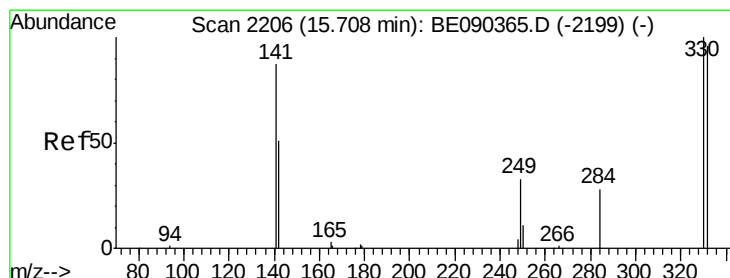
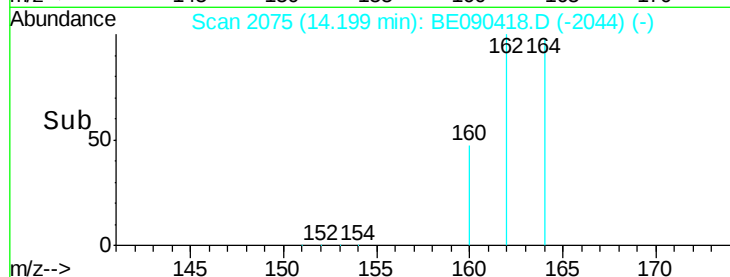
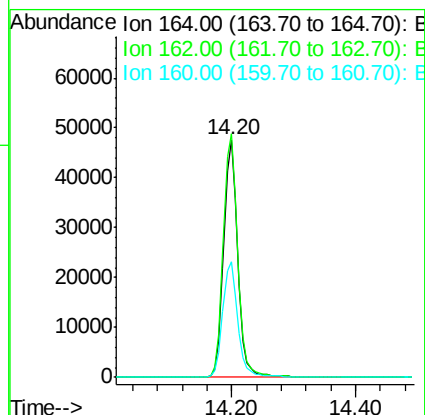
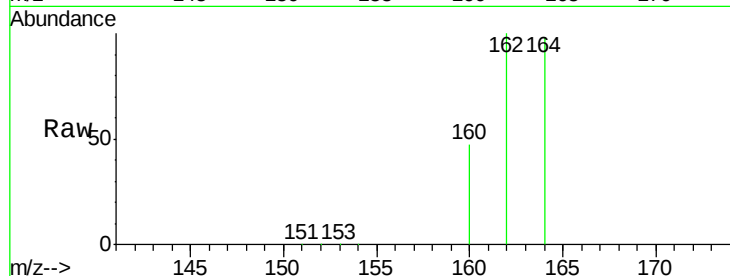
Tgt Ion:164 Resp: 74493

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.8

160 48.6 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 8.11 ng

RT: 15.71 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

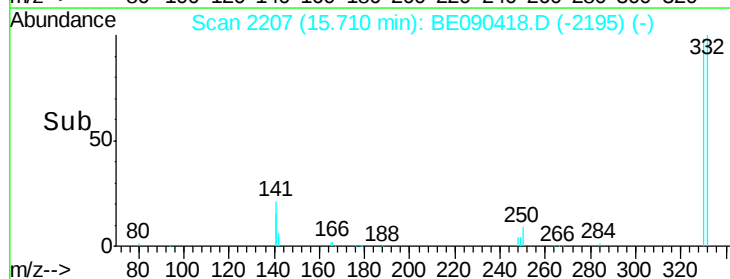
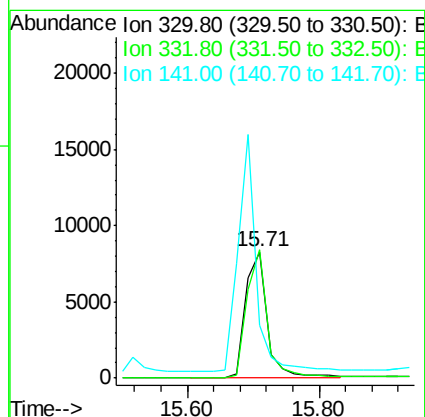
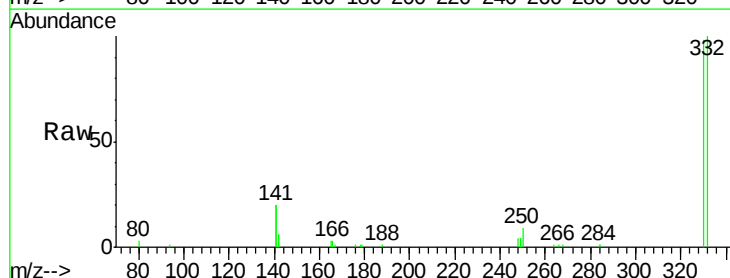
Tgt Ion:330 Resp: 18595

Ion Ratio Lower Upper

330 100

332 96.6 75.8 113.6

141 159.2 114.4 171.6

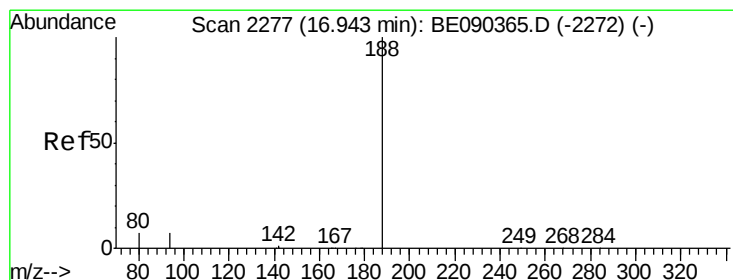
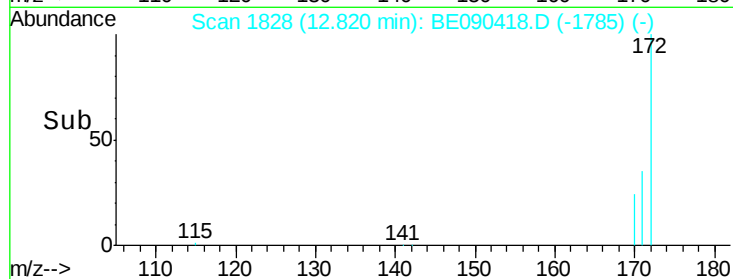
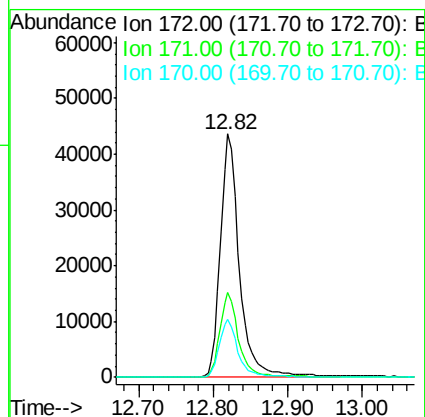
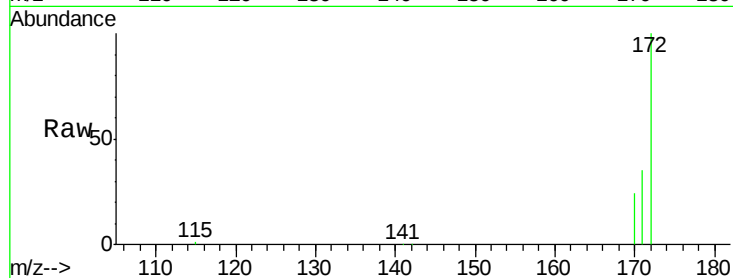




#14
2-Fluorobiphenyl
Concen: 3.78 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090418.D
Acq: 11 Aug 2015 1:38

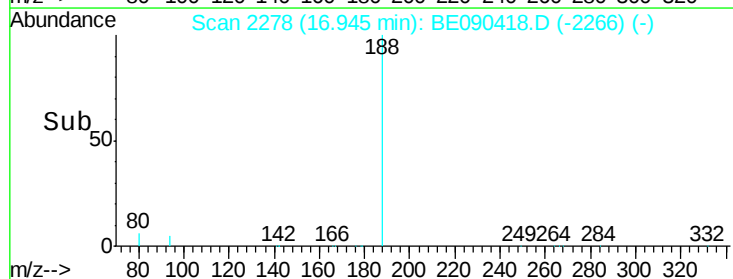
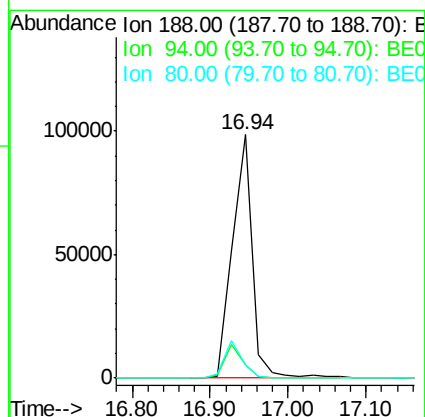
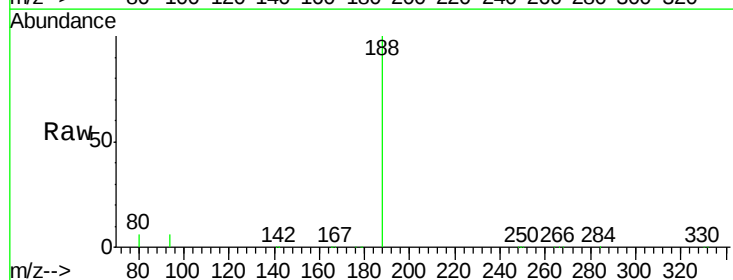
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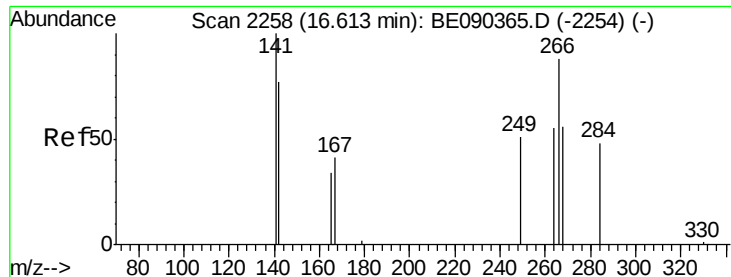
Tgt Ion:172 Resp: 77381
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 23.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090418.D
Acq: 11 Aug 2015 1:38

Tgt Ion:188 Resp: 173706
Ion Ratio Lower Upper
188 100
94 5.5 5.7 8.5#
80 5.7 5.8 8.8#

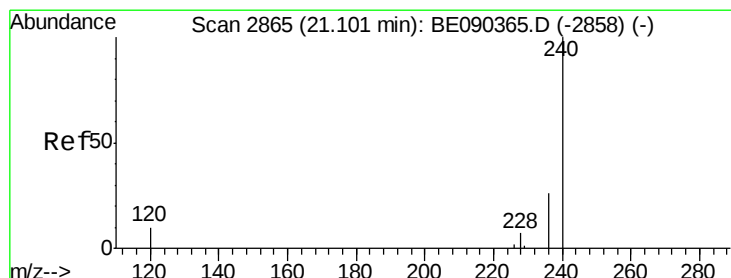
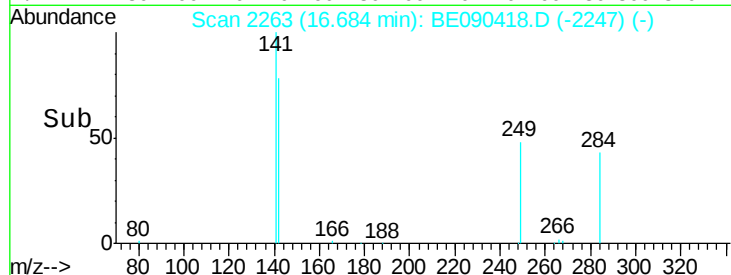
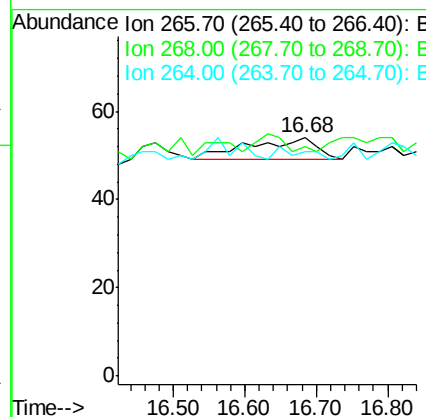
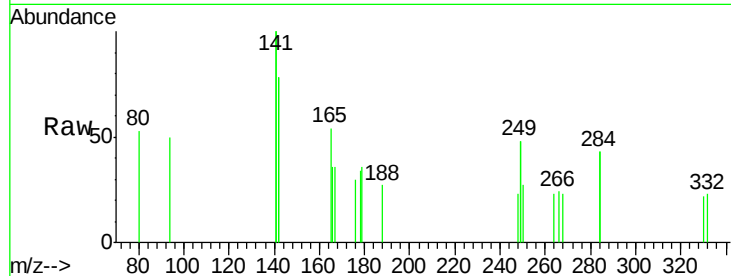




#21
 Pentachlorophenol
 Concen: 0.12 ng
 RT: 16.68 min Scan# 2263
 Delta R.T. 0.07 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

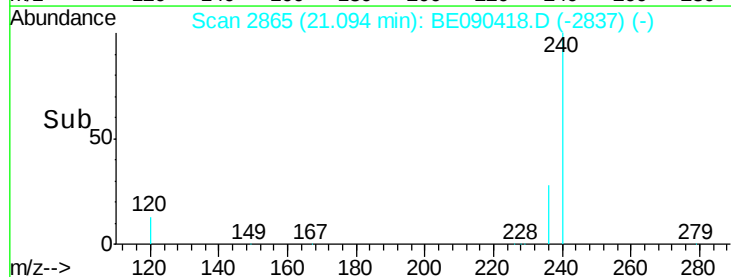
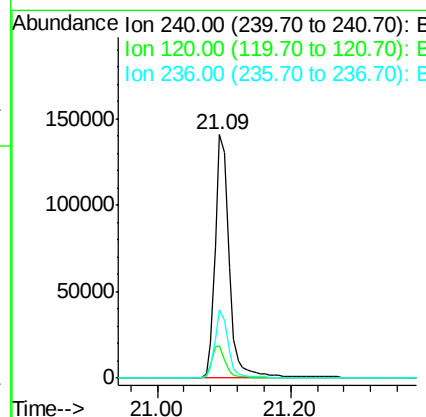
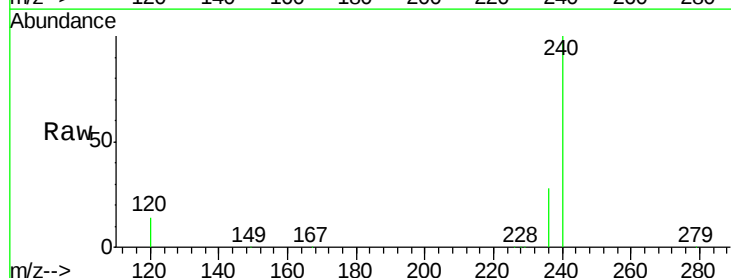
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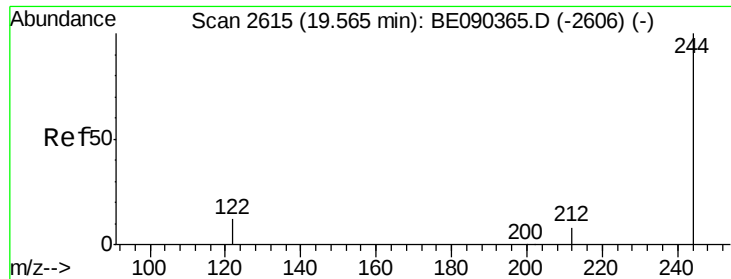
Tgt Ion: 266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 268 96.3 58.5 87.7#
 264 94.4 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

Tgt Ion: 240 Resp: 205432
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.3 12.5#
 236 28.0 21.0 31.4

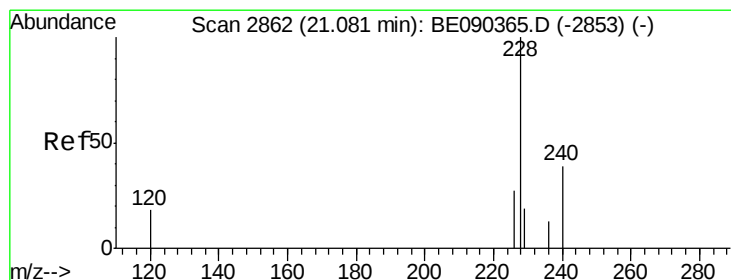
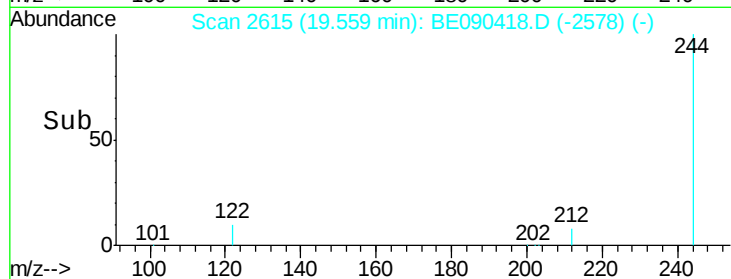
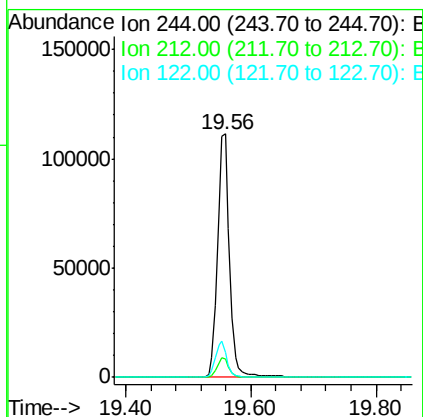
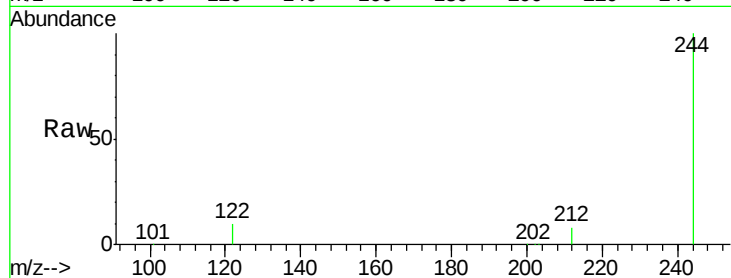




#27
 Terphenyl-d14
 Concen: 4.92 ng
 RT: 19.56 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

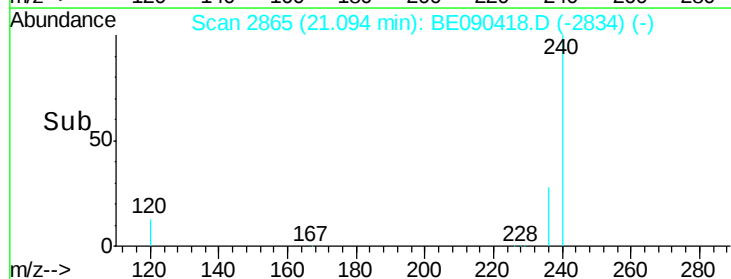
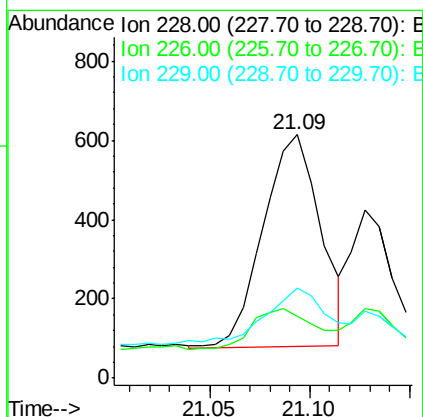
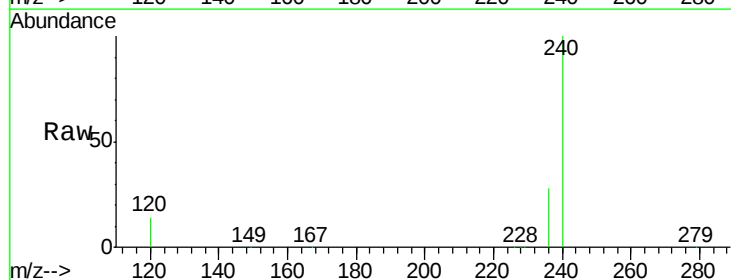
Instrument :
 BNA_E
 ClientSampleId :
 080615-D506-E-D-M

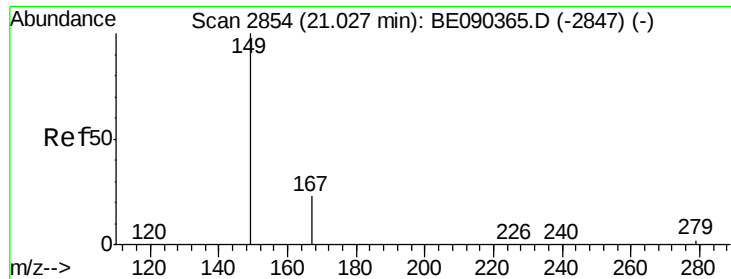
Tgt Ion: 244 Resp: 148956
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 10.4 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. 0.01 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

Tgt Ion: 228 Resp: 1070
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.9 32.9
 229 36.8 15.4 23.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 21.03 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M

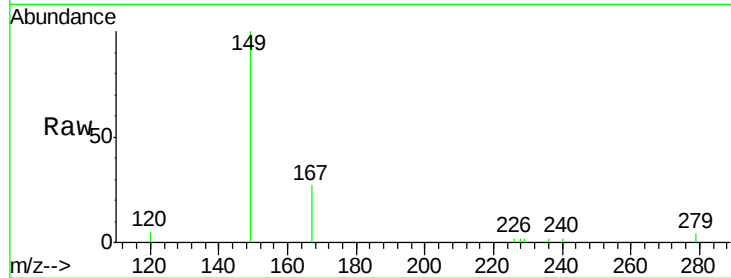
Tgt Ion:149 Resp: 3801

Ion Ratio Lower Upper

149 100

167 24.6 19.8 29.8

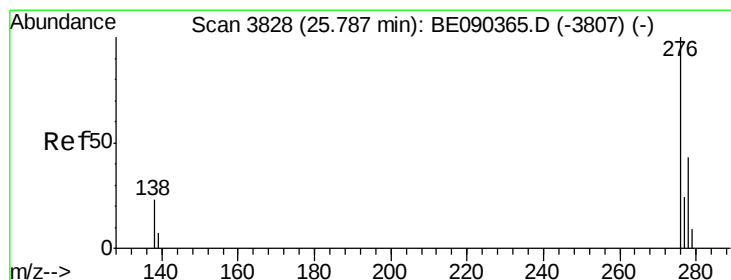
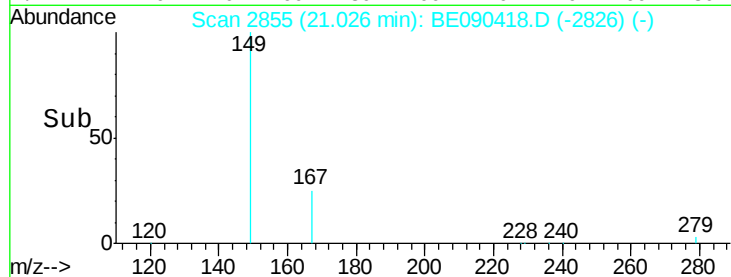
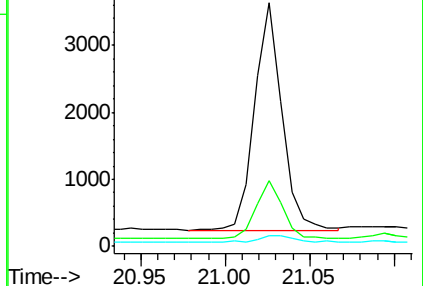
279 4.0 2.4 3.6#



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: 0.28 ng

RT: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

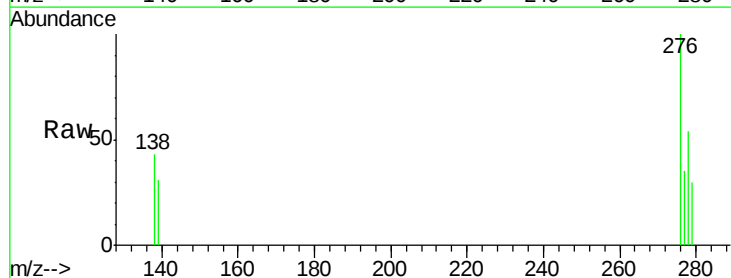
Tgt Ion:276 Resp: 1597

Ion Ratio Lower Upper

276 100

138 27.6 18.8 28.2

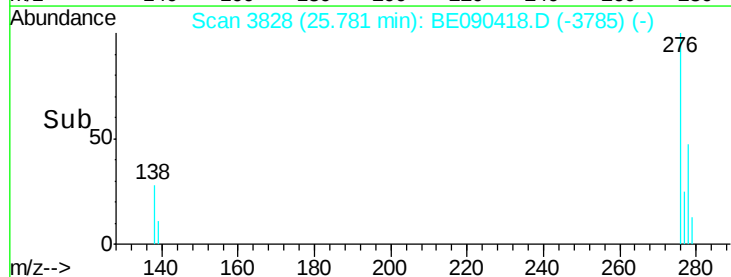
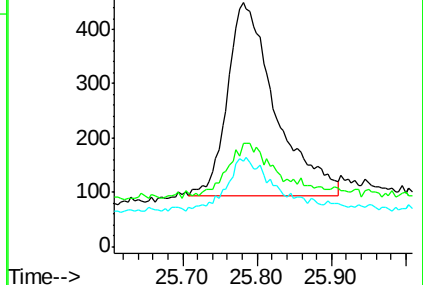
277 23.5 18.2 27.4

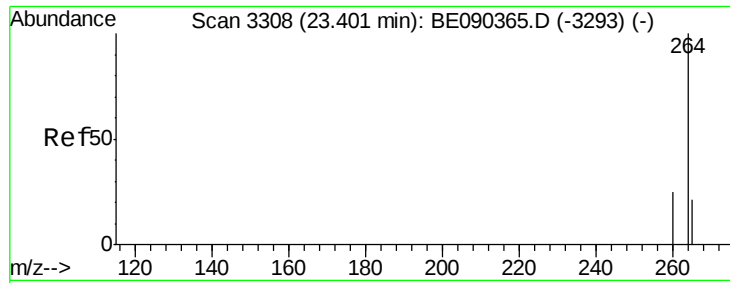


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

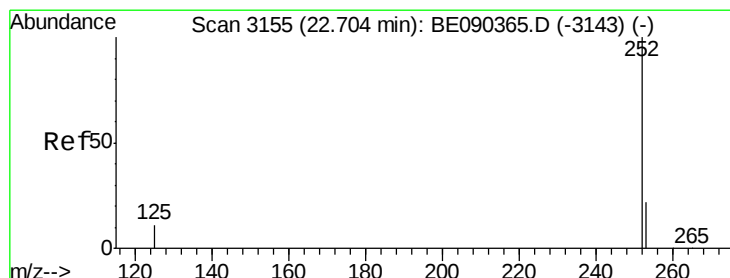
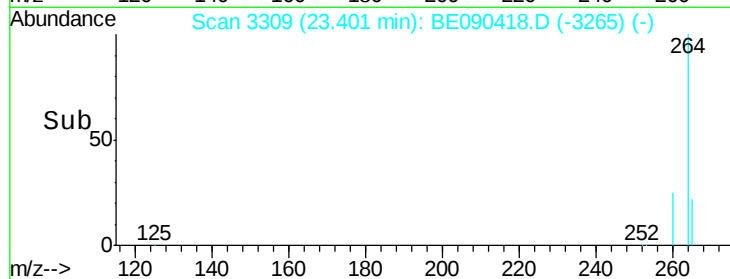
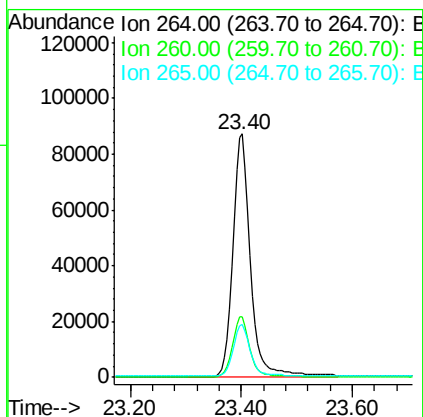
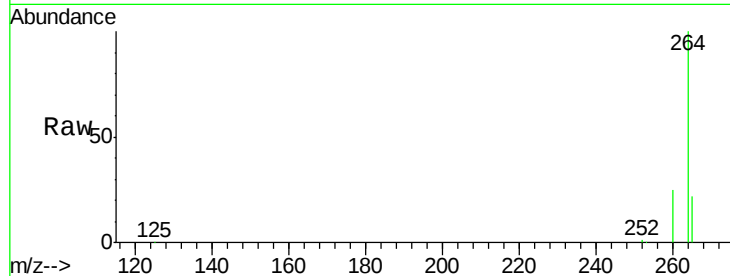




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3309
 Delta R.T. -0.00 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

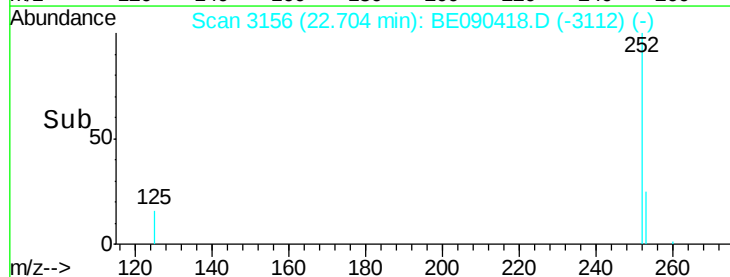
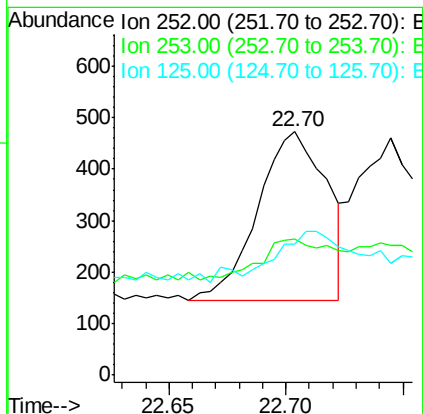
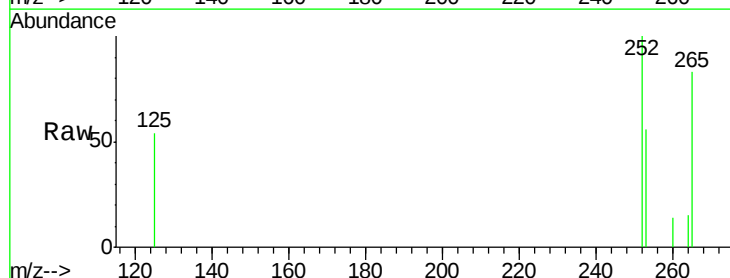
Instrument :
 BNA_E
 ClientSampleId :
 080615-D506-E-D-M

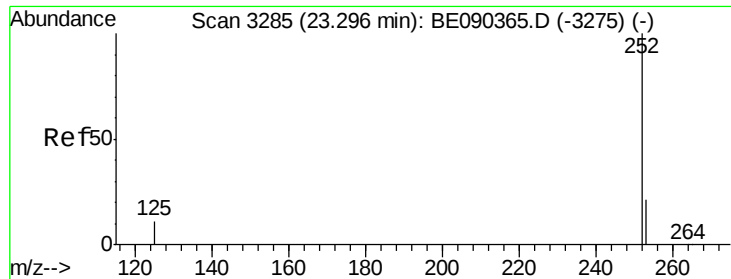
Tgt Ion: 264 Resp: 190920
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.1 30.1
 265 22.0 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.21 ng
 RT: 22.70 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: BE090418.D
 Acq: 11 Aug 2015 1:38

Tgt Ion: 252 Resp: 679
 Ion Ratio Lower Upper
 252 100
 253 56.0 18.1 27.1#
 125 53.7 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3286

Delta R.T. 0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M

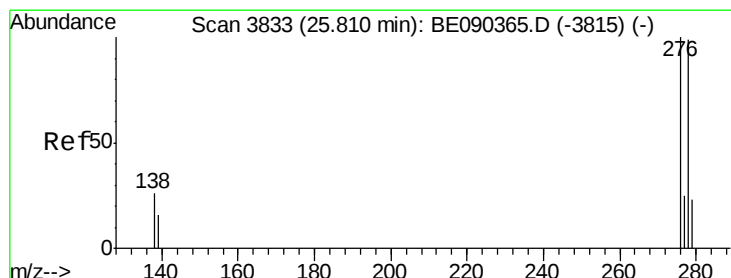
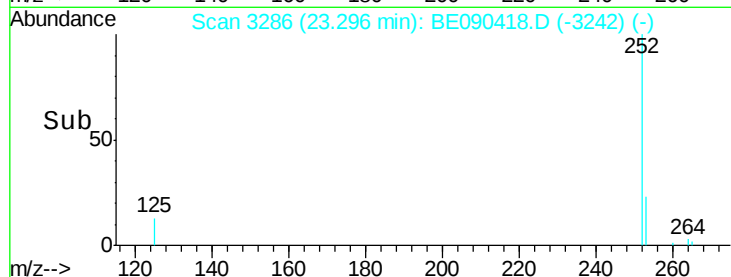
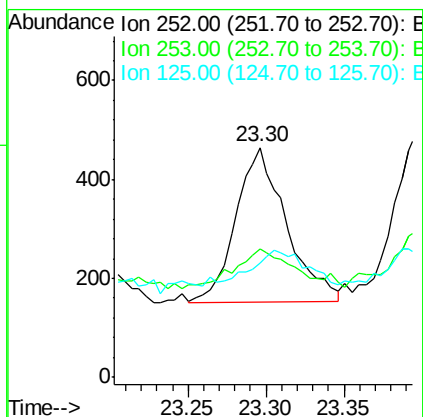
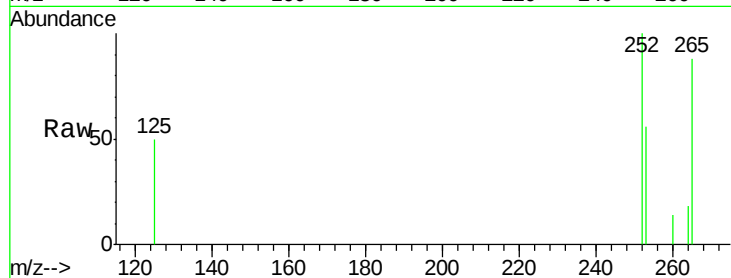
Tgt Ion:252 Resp: 706

Ion Ratio Lower Upper

252 100

253 56.0 17.6 26.4#

125 50.0 9.8 14.6#



#36

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 25.81 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BE090418.D

Acq: 11 Aug 2015 1:38

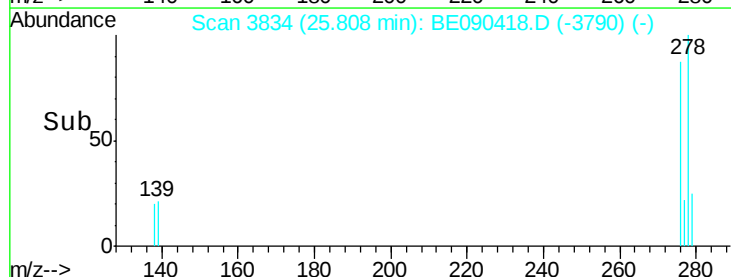
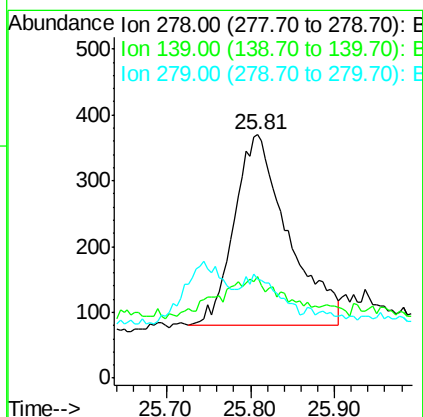
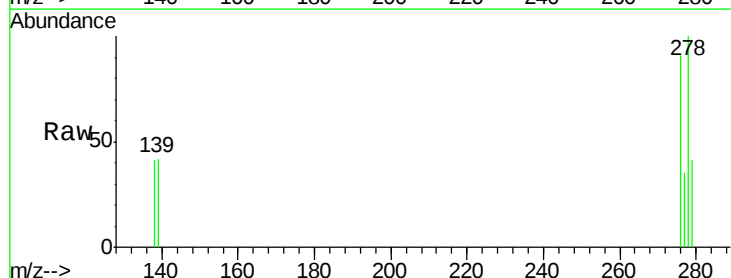
Tgt Ion:278 Resp: 1279

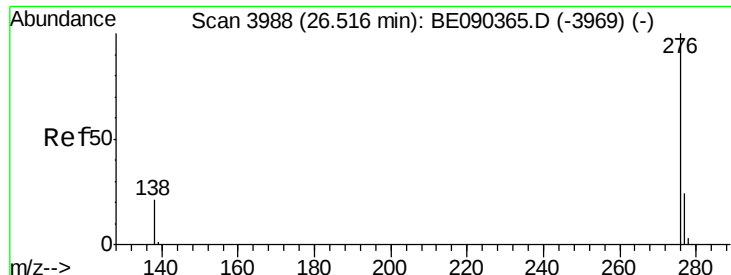
Ion Ratio Lower Upper

278 100

139 41.9 14.2 21.4#

279 40.5 20.1 30.1#





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.52 min Scan# 3990

Delta R.T. 0.00 min

Lab File: BE090418.D

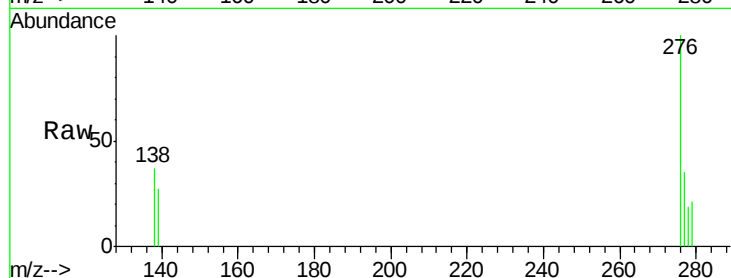
Acq: 11 Aug 2015 1:38

Instrument :

BNA_E

ClientSampleId :

080615-D506-E-D-M



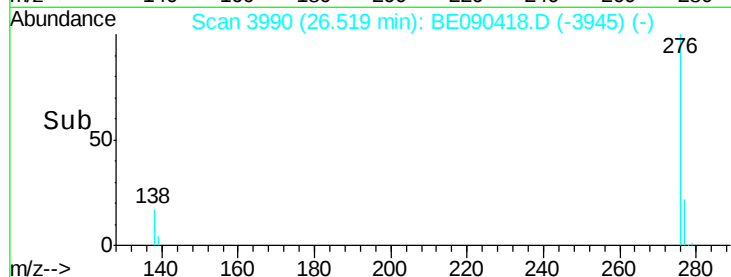
Tgt Ion: 276 Resp: 1214

Ion Ratio Lower Upper

276 100

277 35.2 20.1 30.1#

138 37.0 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

