

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090507.D
 Acq On : 13 Aug 2015 19:26
 Operator : UM/IZ
 Sample : G3279-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 081215-D506-F-U-M

Quant Time: Aug 14 04:34:26 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	23757	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	118642	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	64360	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	144332	5.00	ng	0.00
25) Chrysene-d12	21.09	240	148915	5.00	ng	0.00
32) Perylene-d12	23.40	264	138724	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	19907	5.59	ng	0.00
5) Phenol-d6	6.77	99	19485	2.69	ng	0.00
7) Nitrobenzene-d5	8.72	82	32967	3.48	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	22410	10.11	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	66534	3.76	ng	0.00
27) Terphenyl-d14	19.55	244	106663	4.86	ng	-0.01

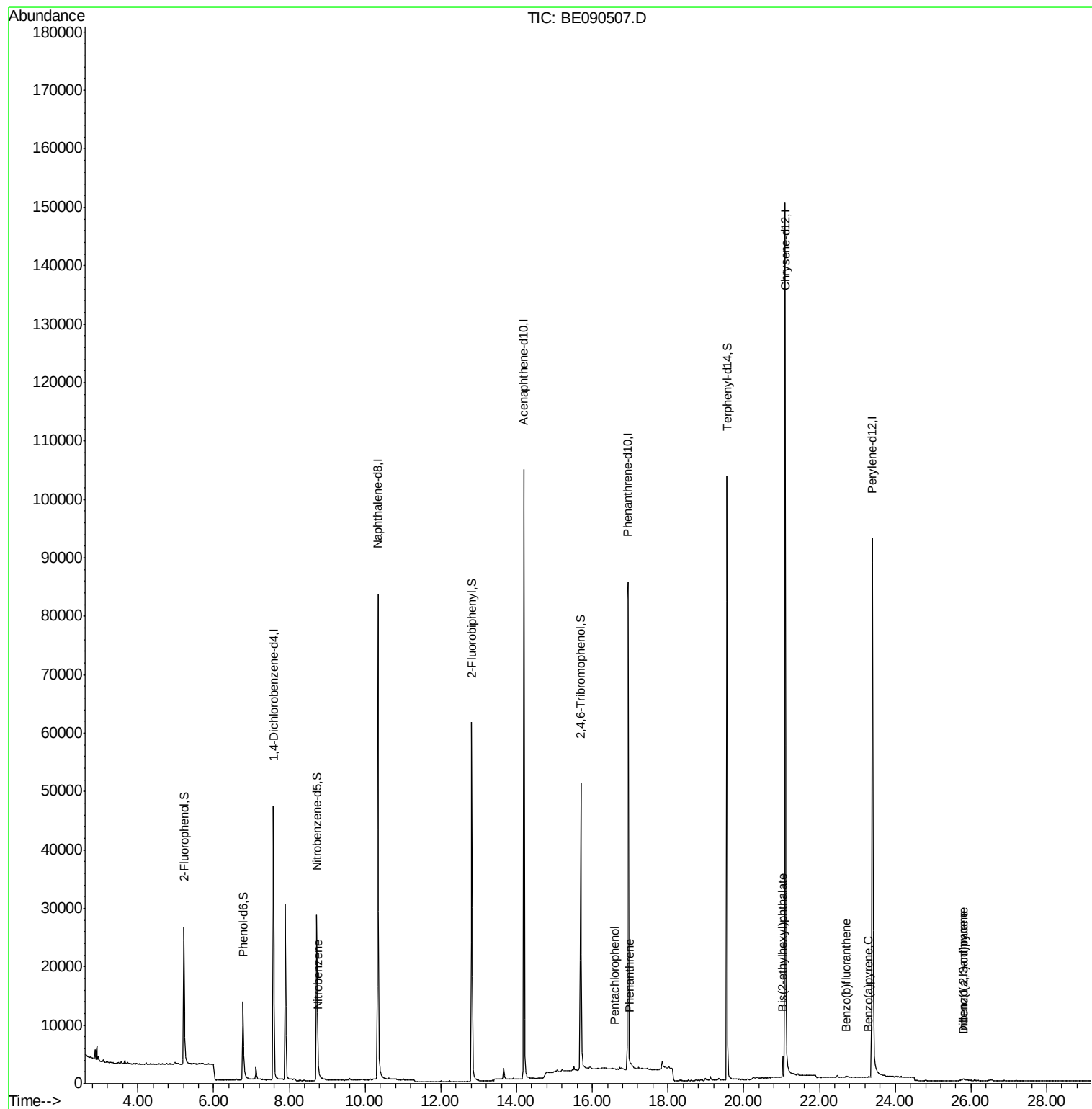
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	15	Below Cal	#	15
8) Nitrobenzene	8.77	77	33	0.21 ng	#	54
10) Hexachlorobutadiene	10.66	225	4	Below Cal	#	68
21) Pentachlorophenol	16.60	266	50	0.15 ng	#	78
22) Phenanthrene	16.98	178	843	0.02 ng	#	71
30) Bis(2-ethylhexyl)phthalate	21.03	149	3111	0.50 ng		98
31) Indeno(1,2,3-cd)pyrene	25.78	276	542	0.27 ng	#	74
33) Benzo(b)fluoranthene	22.70	252	320	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	266	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	423	0.30 ng	#	1

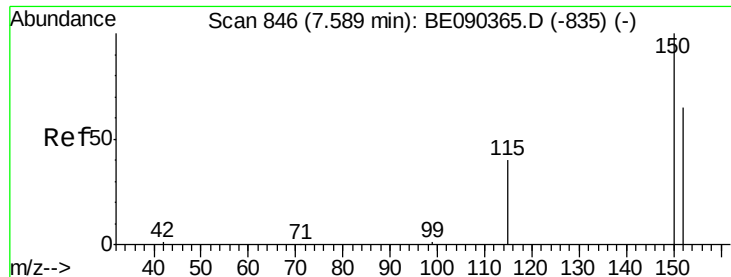
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

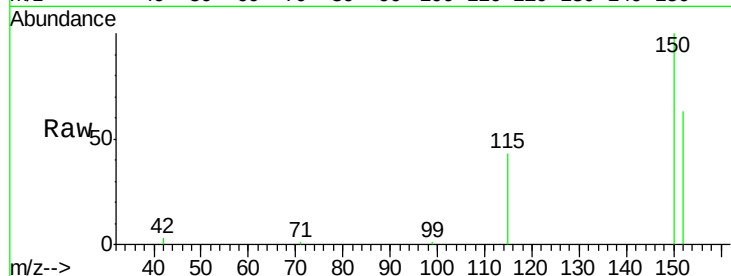
Tgt Ion:152 Resp: 23757

Ion Ratio Lower Upper

152 100

150 158.0 123.0 184.4

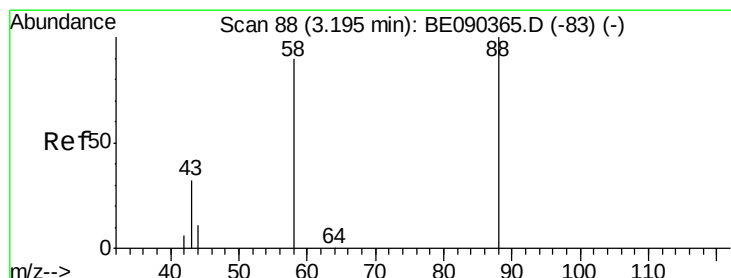
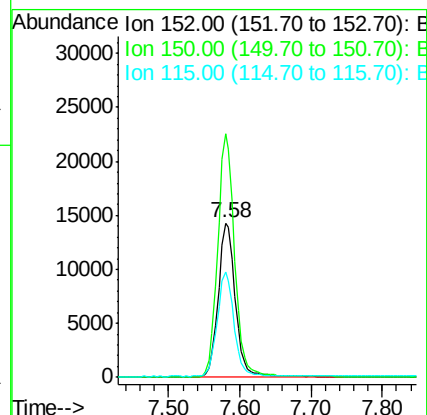
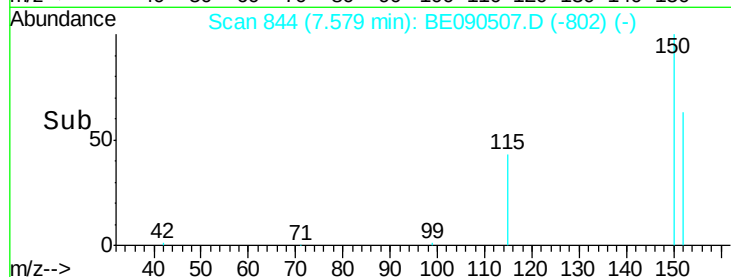
115 68.0 48.9 73.3



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: 3.31 min Scan# 105

Delta R.T. 0.12 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

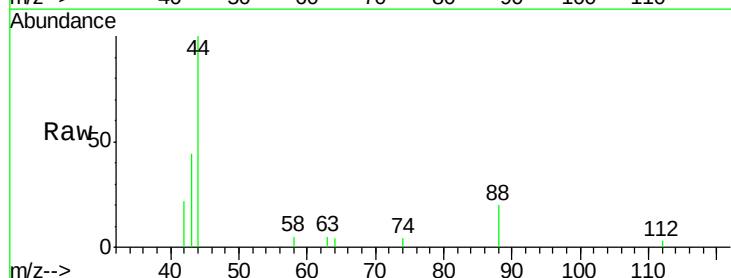
Tgt Ion: 88 Resp: 15

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

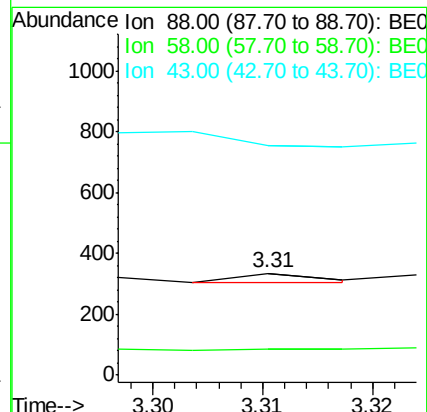
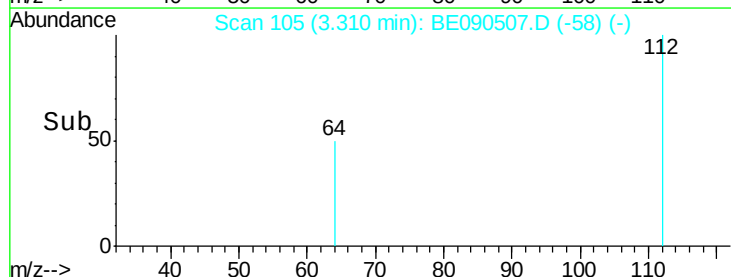
43 0.0 28.4 42.6#

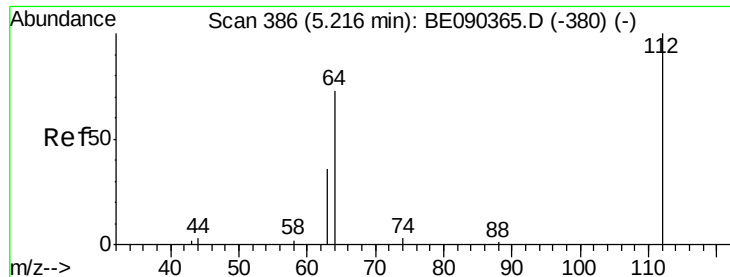


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.59 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

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BNA_E

ClientSampleId :

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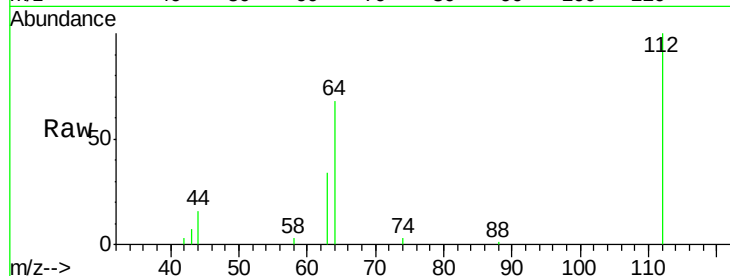
Tgt Ion: 112 Resp: 19907

Ion Ratio Lower Upper

112 100

64 69.7 37.1 55.7#

63 35.8 19.5 29.3#

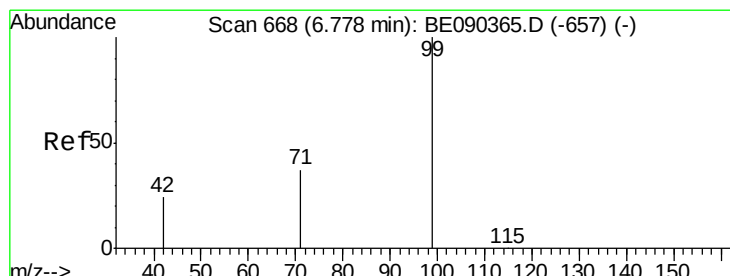
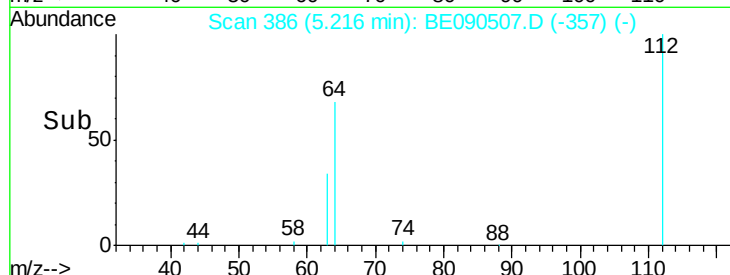
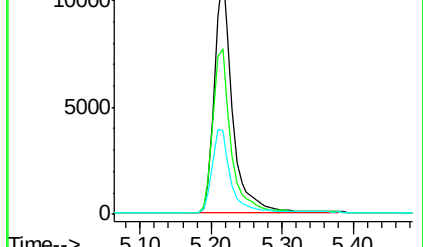


Abundance Ion 112.00 (111.70 to 112.70): BE090507.D (-357) (-)

Ion 64.00 (63.70 to 64.70): BE090507.D (-357) (-)

Ion 63.00 (62.70 to 63.70): BE090507.D (-357) (-)

Time-->



#5

Phenol-d6

Concen: 2.69 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

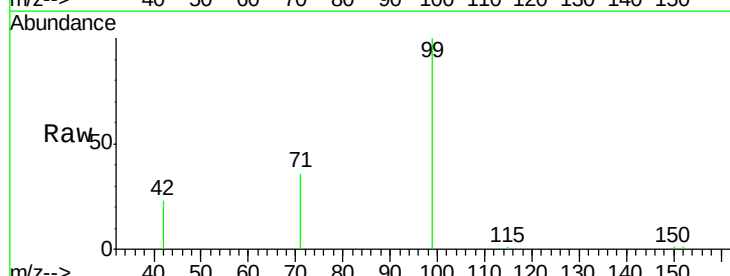
Tgt Ion: 99 Resp: 19485

Ion Ratio Lower Upper

99 100

42 19.5 18.2 27.4

71 33.8 27.4 41.0

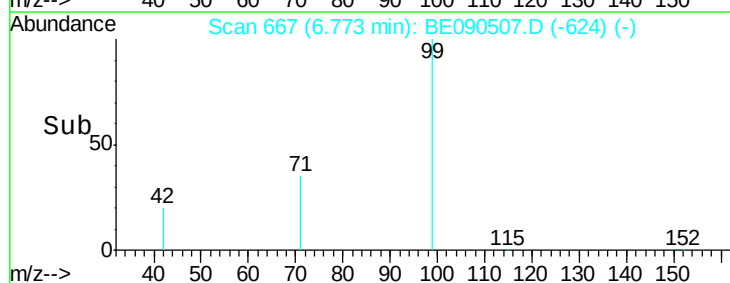
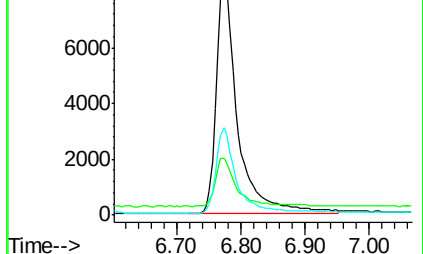


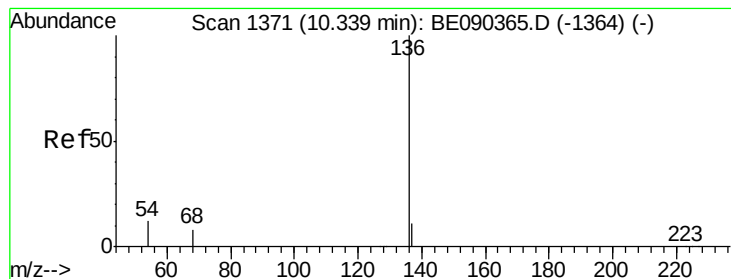
Abundance Ion 99.00 (98.70 to 99.70): BE090507.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090507.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090507.D (-624) (-)

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

Tgt Ion: 136 Resp: 118642

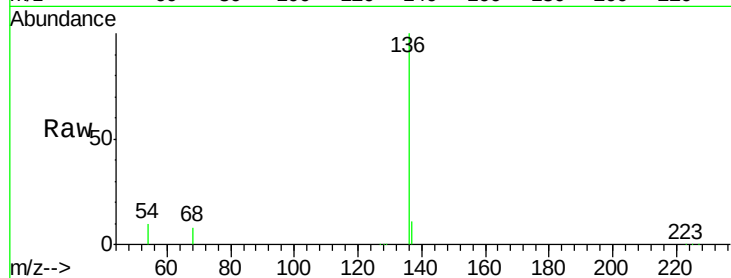
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.9 9.4 14.0

68 7.7 6.5 9.7

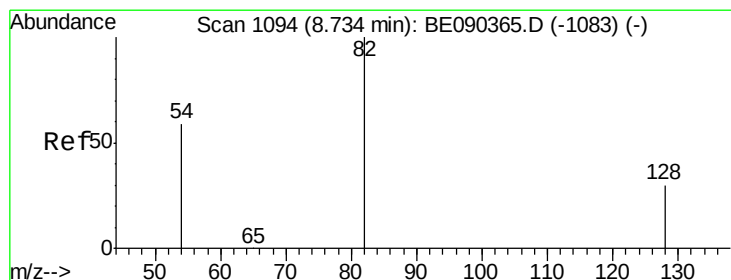
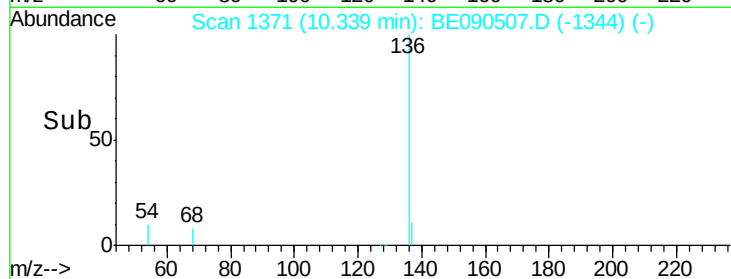
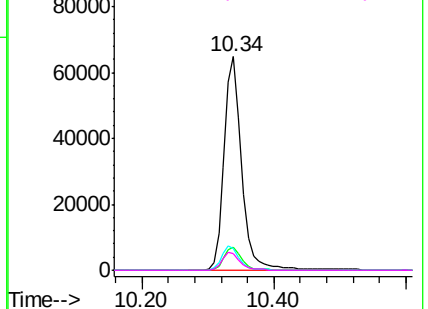


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.48 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

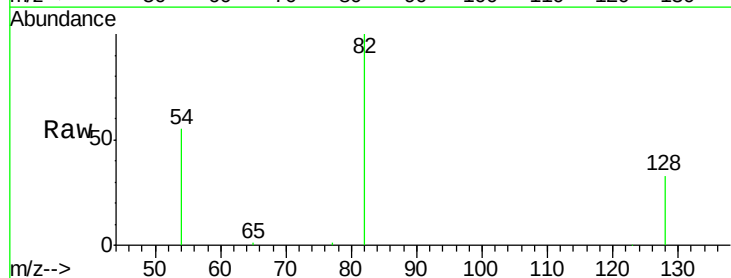
Tgt Ion: 82 Resp: 32967

Ion Ratio Lower Upper

82 100

128 33.0 25.0 37.6

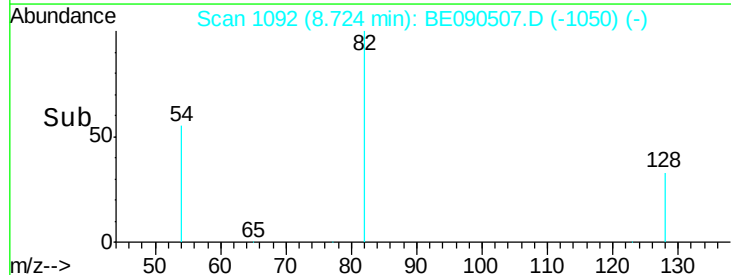
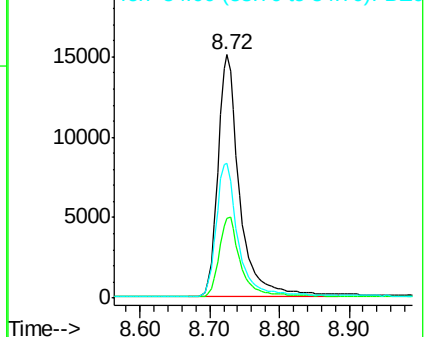
54 55.1 48.8 73.2

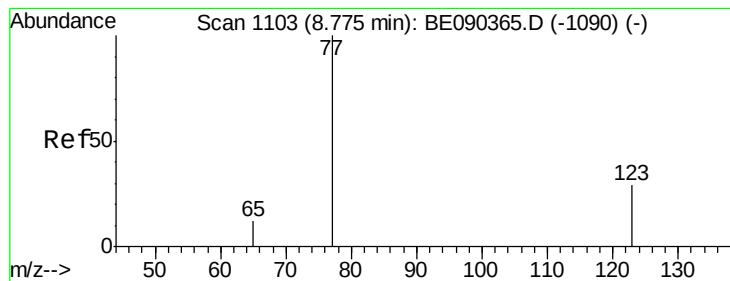


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.77 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

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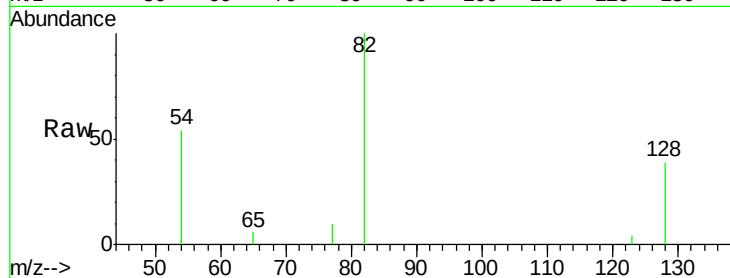
Tgt Ion: 77 Resp: 33

Ion Ratio Lower Upper

77 100

123 3.0 25.1 37.7#

65 0.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)

8.77

150

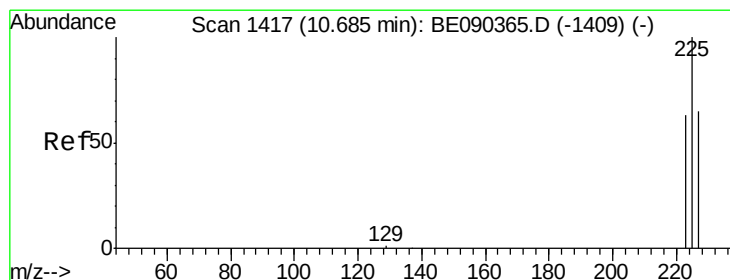
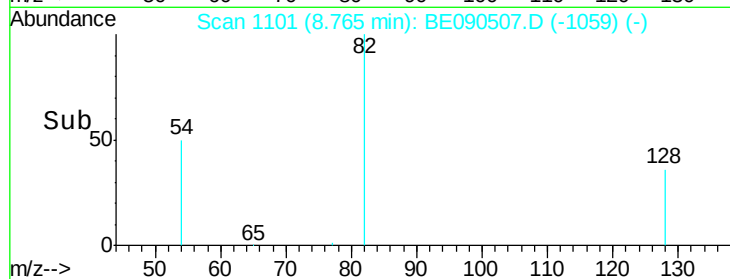
100

50

0

8.76 8.78 8.80

Time-->



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

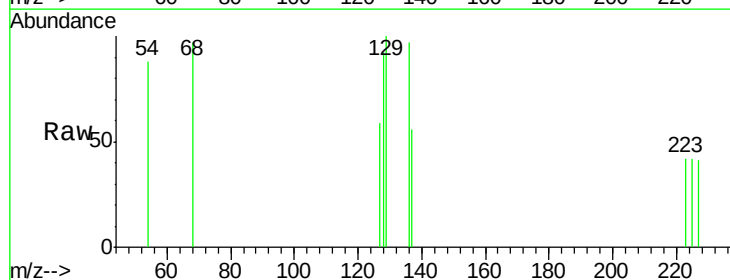
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 100.0 50.6 75.8#

227 50.0 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)

10.66

60

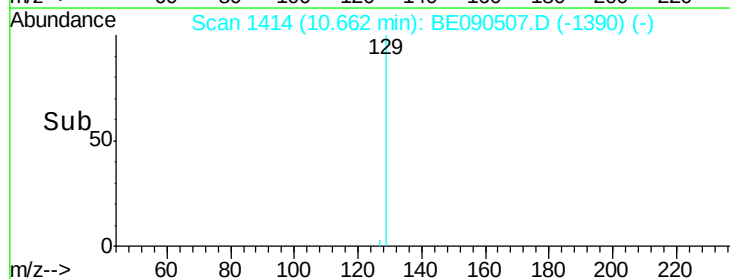
40

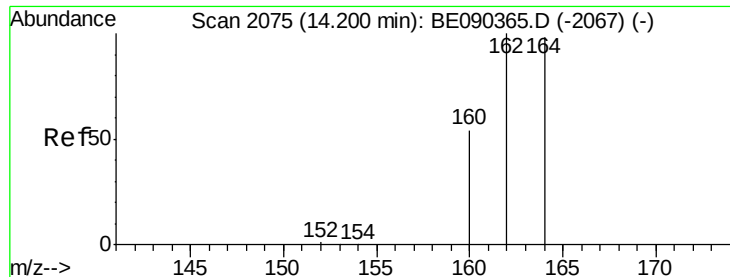
20

0

10.64 10.66 10.68 10.70

Time-->

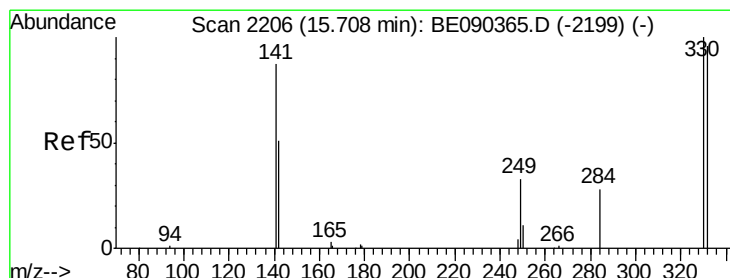
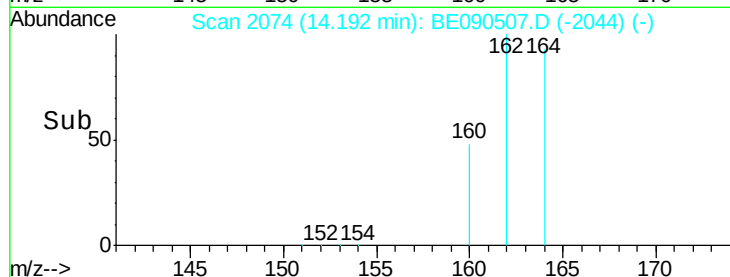
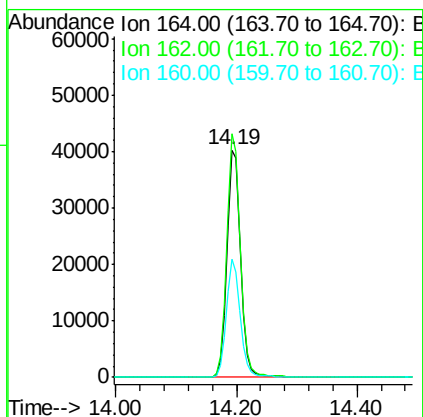
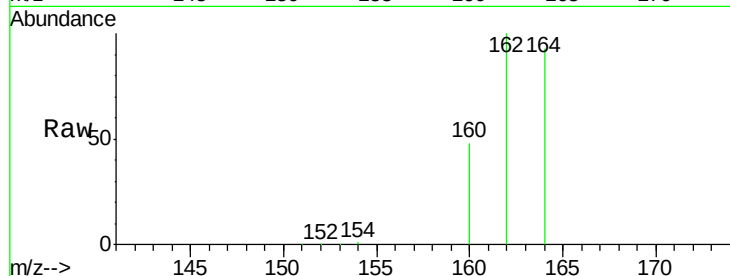




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090507.D
Acq: 13 Aug 2015 19:26

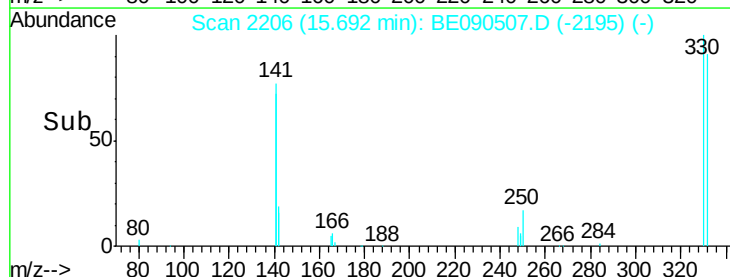
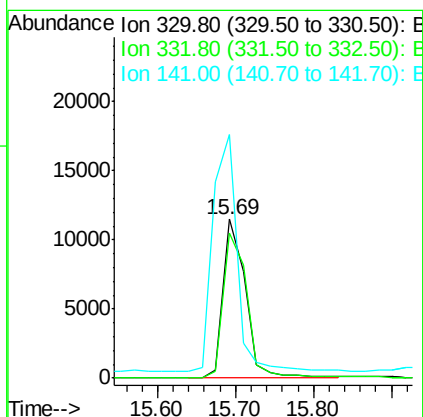
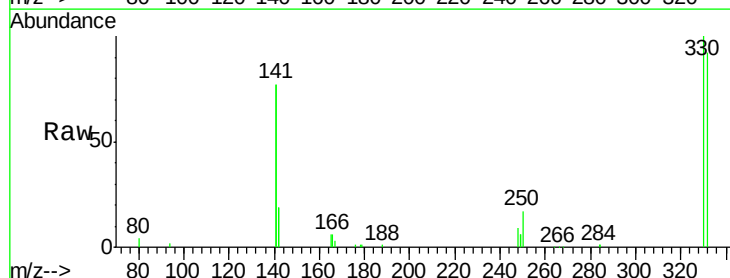
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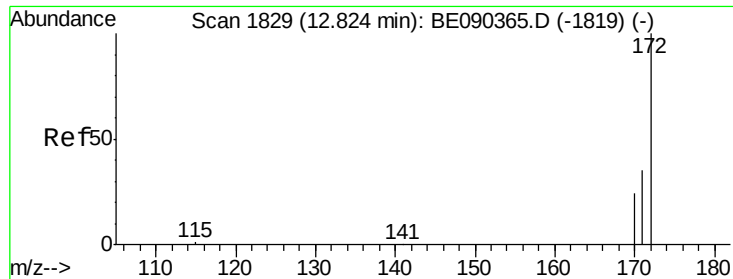
Tgt Ion:164 Resp: 64360
Ion Ratio Lower Upper
164 100
162 107.3 81.8 122.8
160 52.0 44.2 66.4



#13
2,4,6-Tribromophenol
Concen: 10.11 ng
RT: 15.69 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BE090507.D
Acq: 13 Aug 2015 19:26

Tgt Ion:330 Resp: 22410
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.6
141 164.6 114.4 171.6

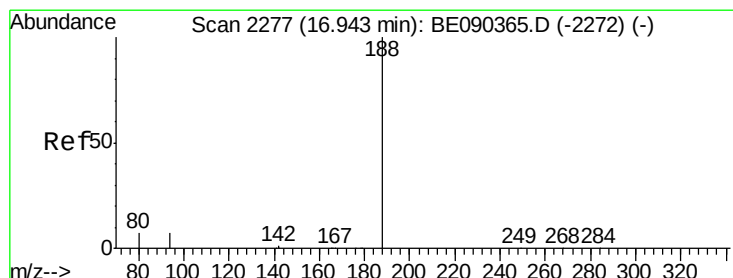
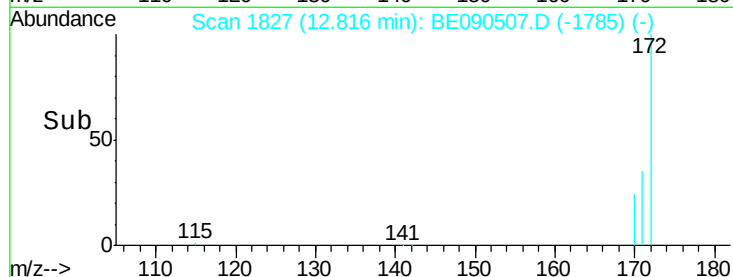
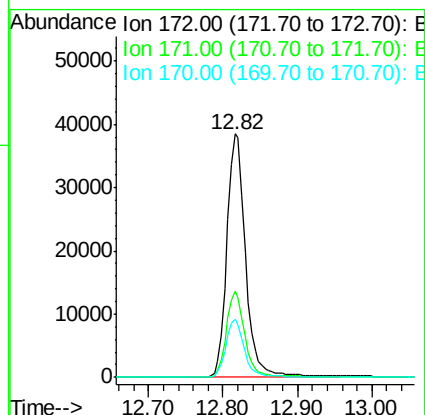
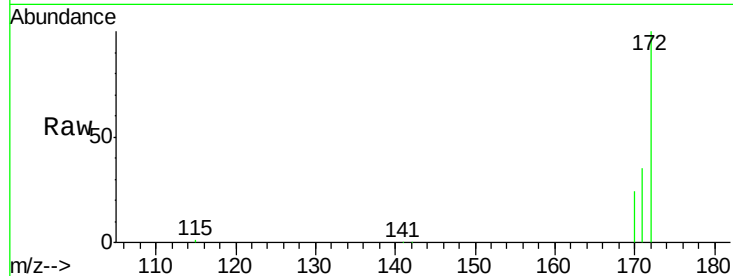




#14
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 12.82 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE090507.D
Acq: 13 Aug 2015 19:26

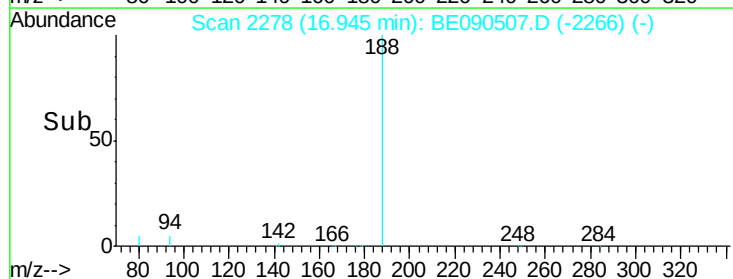
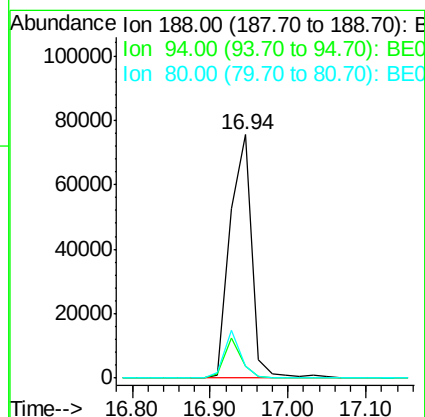
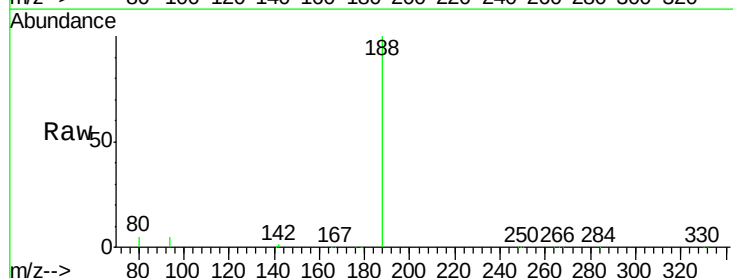
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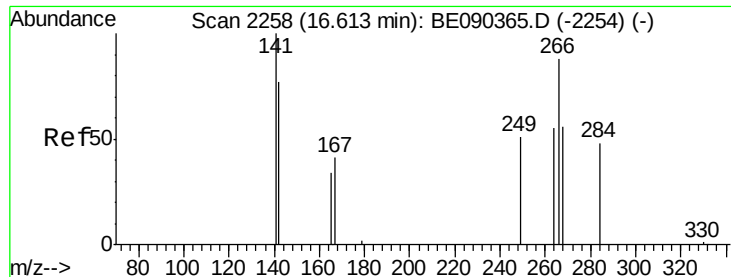
Tgt Ion:172 Resp: 66534
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.1 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090507.D
Acq: 13 Aug 2015 19:26

Tgt Ion:188 Resp: 144332
Ion Ratio Lower Upper
188 100
94 5.0 5.7 8.5#
80 5.1 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.15 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

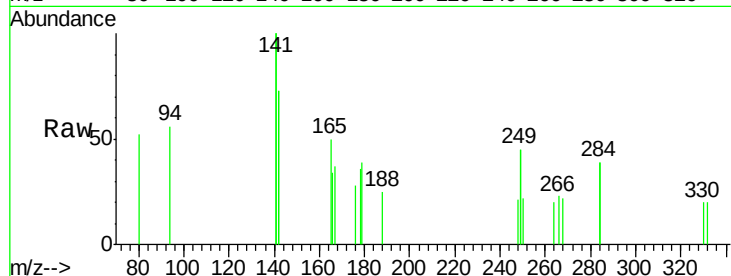
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

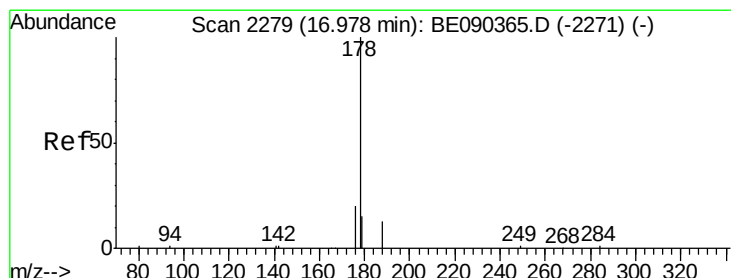
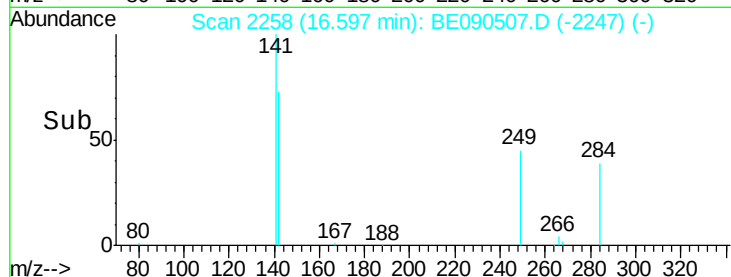
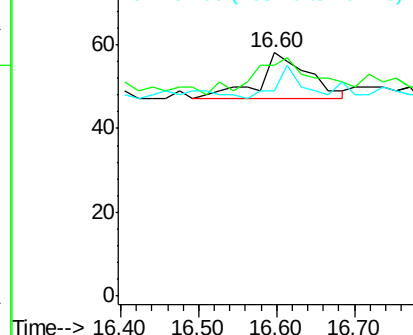
266 100

268 94.8 58.5 87.7#

264 84.5 56.0 84.0#



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: 16.98 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

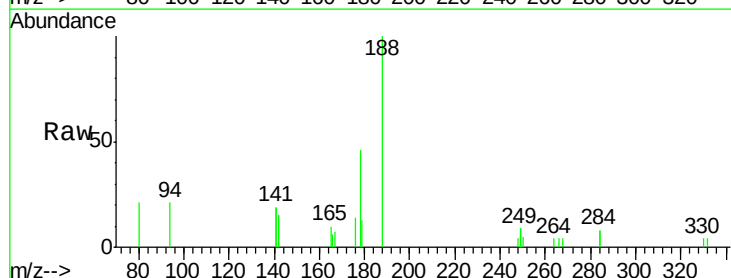
Tgt Ion:178 Resp: 843

Ion Ratio Lower Upper

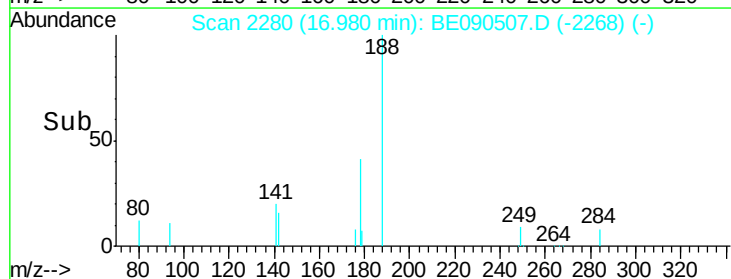
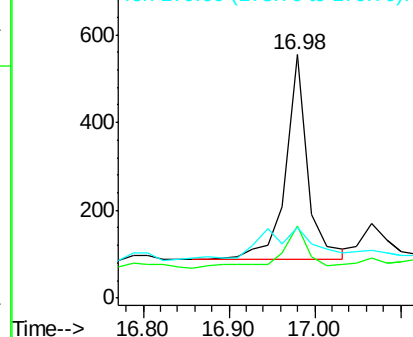
178 100

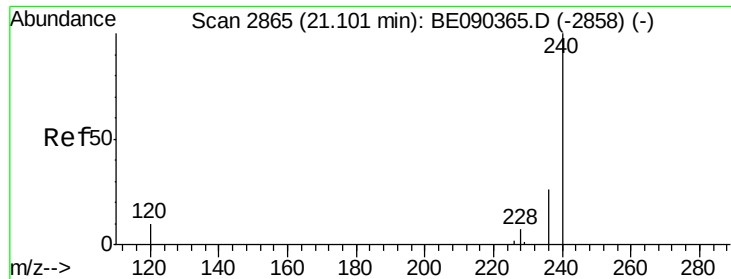
176 26.3 15.4 23.2#

179 35.2 12.5 18.7#



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: 21.09 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

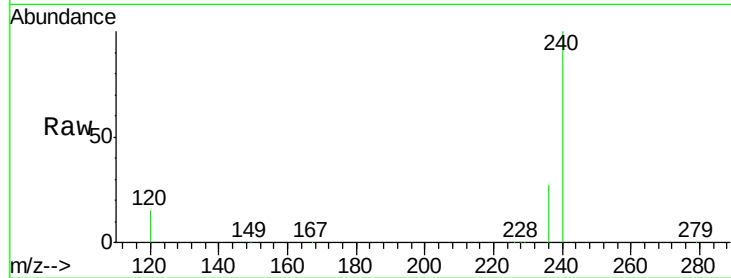
Tgt Ion:240 Resp: 148915

Ion Ratio Lower Upper

240 100

120 14.9 8.3 12.5#

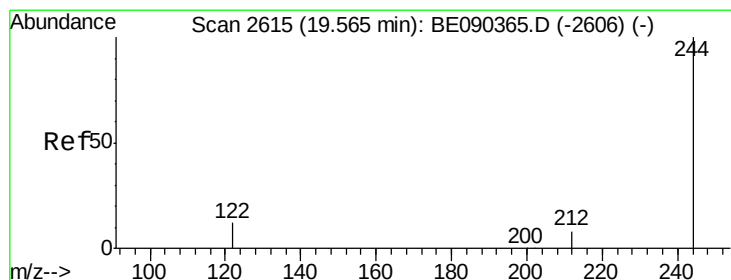
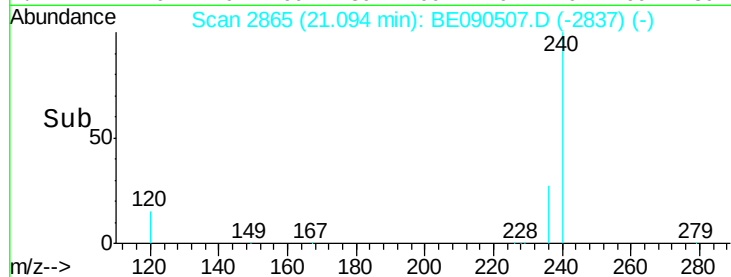
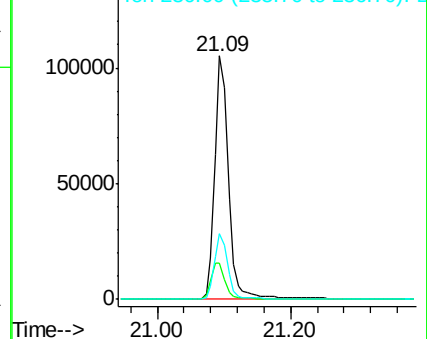
236 27.1 21.0 31.4



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: 4.86 ng

RT: 19.55 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

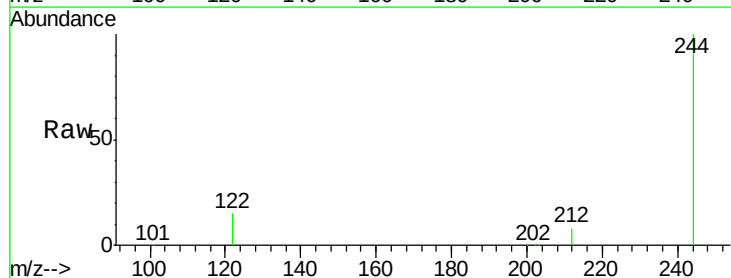
Tgt Ion:244 Resp: 106663

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

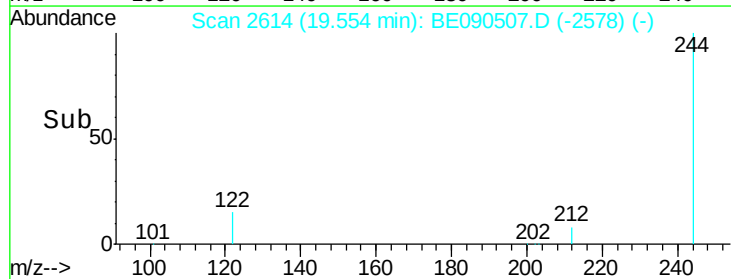
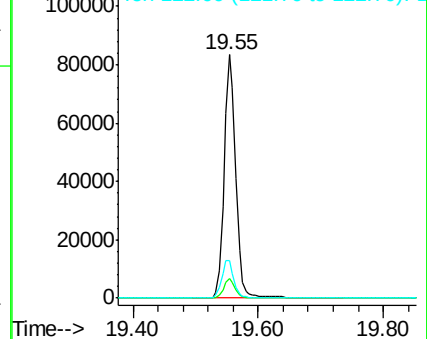
122 15.4 10.2 15.4#

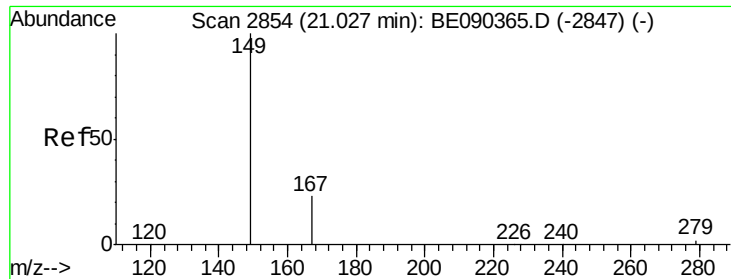


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.03 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

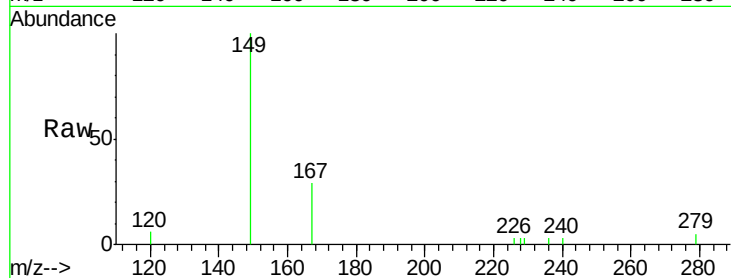
Tgt Ion:149 Resp: 3111

Ion Ratio Lower Upper

149 100

167 25.6 19.8 29.8

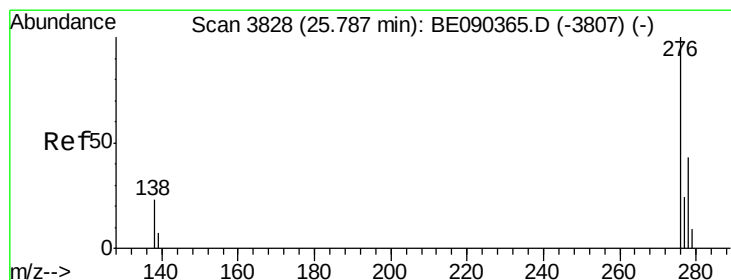
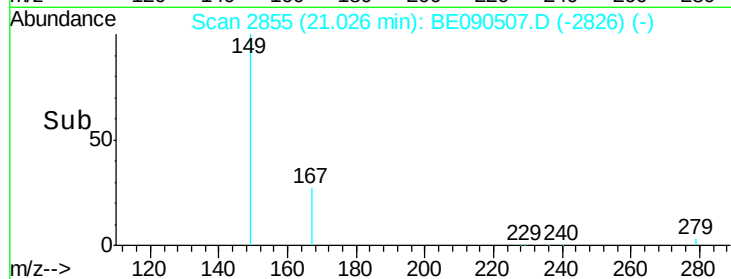
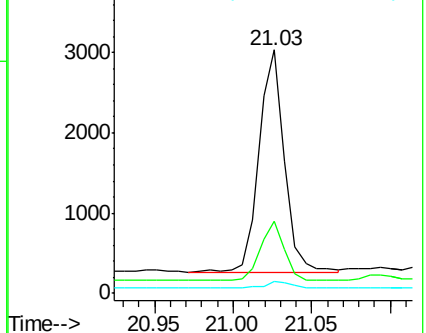
279 3.5 2.4 3.6



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: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

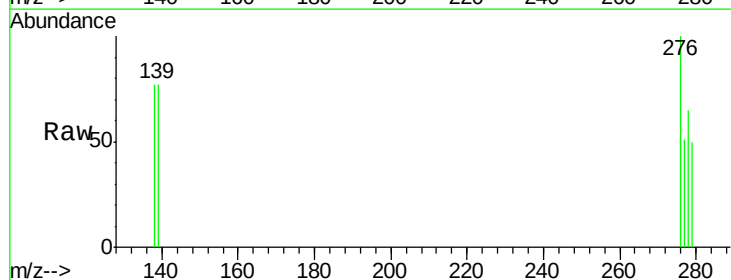
Tgt Ion:276 Resp: 542

Ion Ratio Lower Upper

276 100

138 8.3 18.8 28.2#

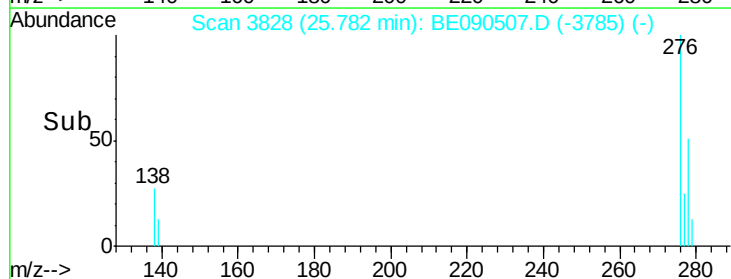
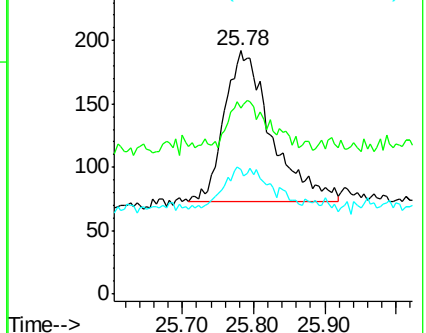
277 12.4 18.2 27.4#

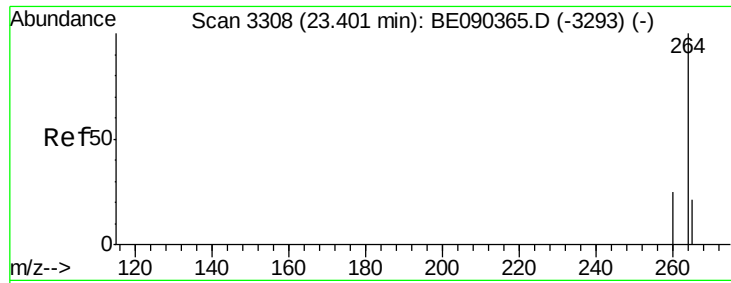


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

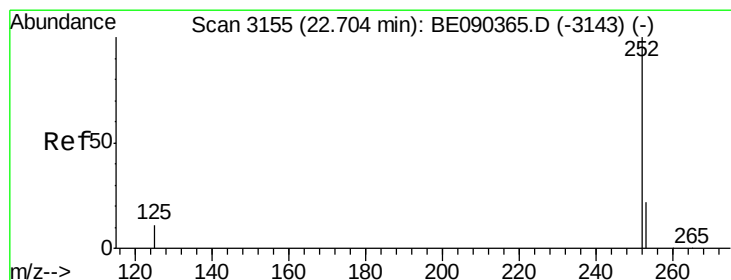
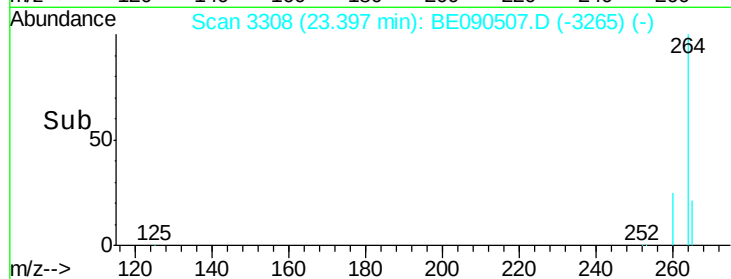
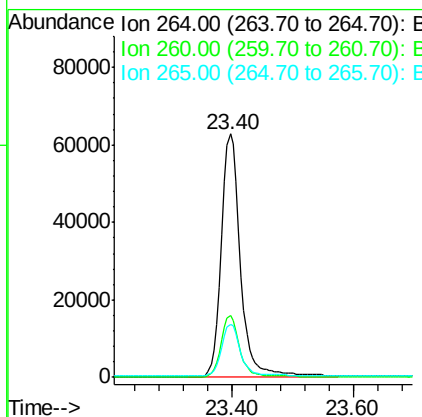
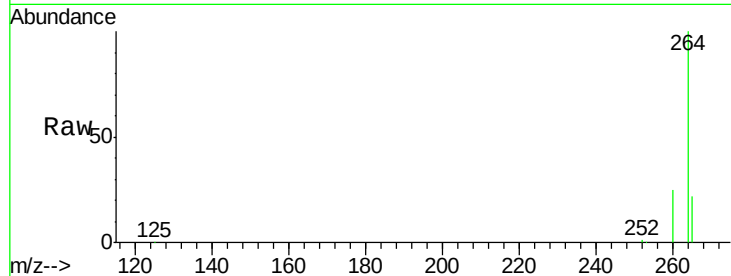




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090507.D
 Acq: 13 Aug 2015 19:26

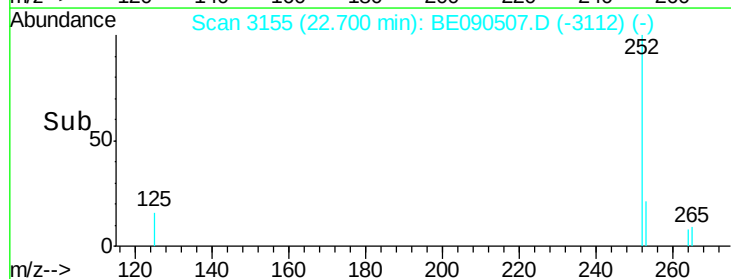
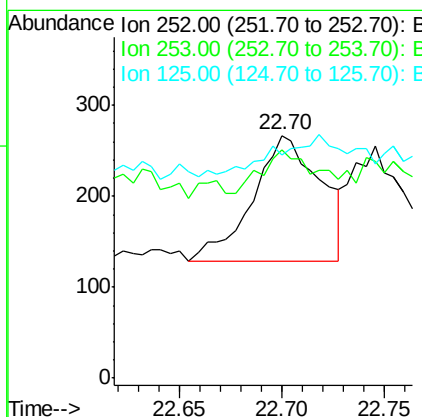
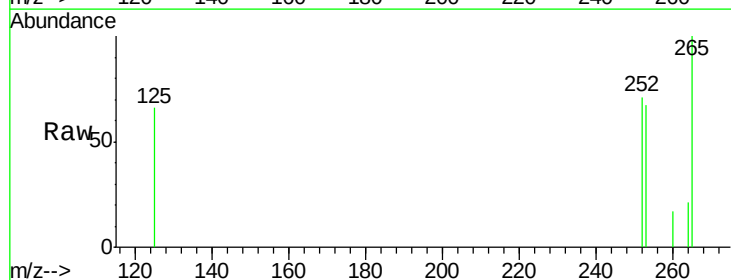
Instrument :
 BNA_E
 ClientSampleId :
 081215-D506-F-U-M

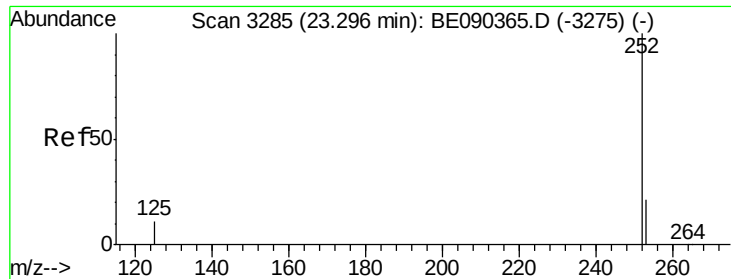
Tgt Ion: 264 Resp: 138724
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 22.0 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE090507.D
 Acq: 13 Aug 2015 19:26

Tgt Ion: 252 Resp: 320
 Ion Ratio Lower Upper
 252 100
 253 94.0 18.1 27.1#
 125 92.1 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-U-M

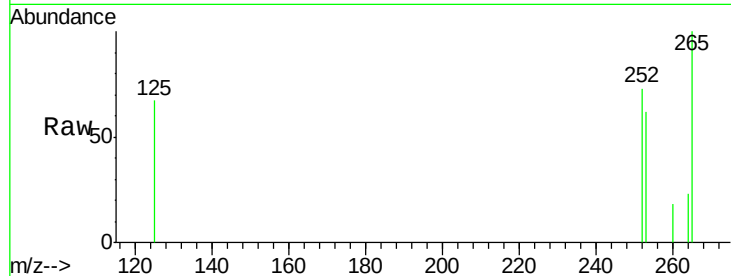
Tgt Ion:252 Resp: 266

Ion Ratio Lower Upper

252 100

253 84.5 17.6 26.4#

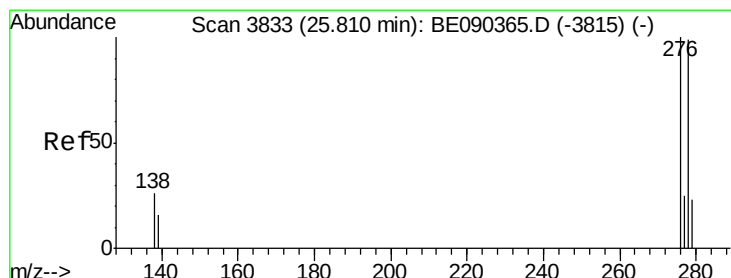
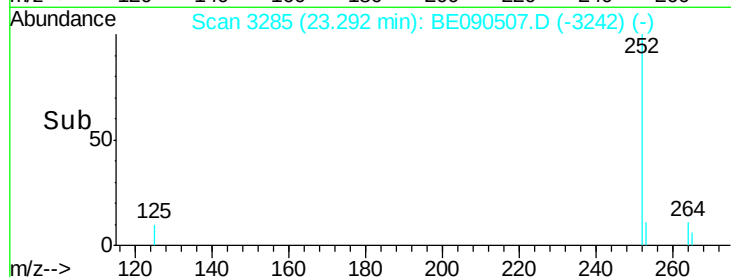
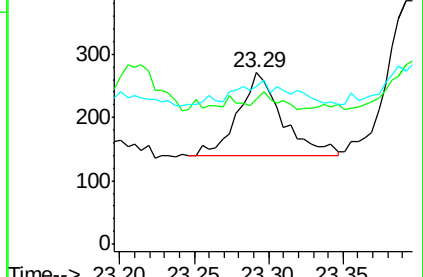
125 91.9 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 25.80 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090507.D

Acq: 13 Aug 2015 19:26

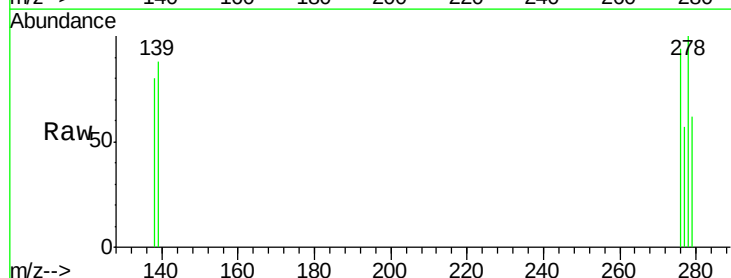
Tgt Ion:278 Resp: 423

Ion Ratio Lower Upper

278 100

139 87.8 14.2 21.4#

279 61.6 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

