

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090422.D
 Acq On : 11 Aug 2015 4:02
 Operator : TP/UM
 Sample : G3213-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-F-D-B

Quant Time: Aug 11 07:14:40 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	24935	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	116659	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	69766	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	158998	5.00	ng	0.00
25) Chrysene-d12	21.09	240	184784	5.00	ng	0.00
32) Perylene-d12	23.40	264	171463	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	15422	4.12	ng	0.00
5) Phenol-d6	6.77	99	13753	1.89	ng	0.00
7) Nitrobenzene-d5	8.73	82	32936	3.53	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	18129	8.33	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	78124	4.07	ng	0.00
27) Terphenyl-d14	19.55	244	144420	5.30	ng	-0.01

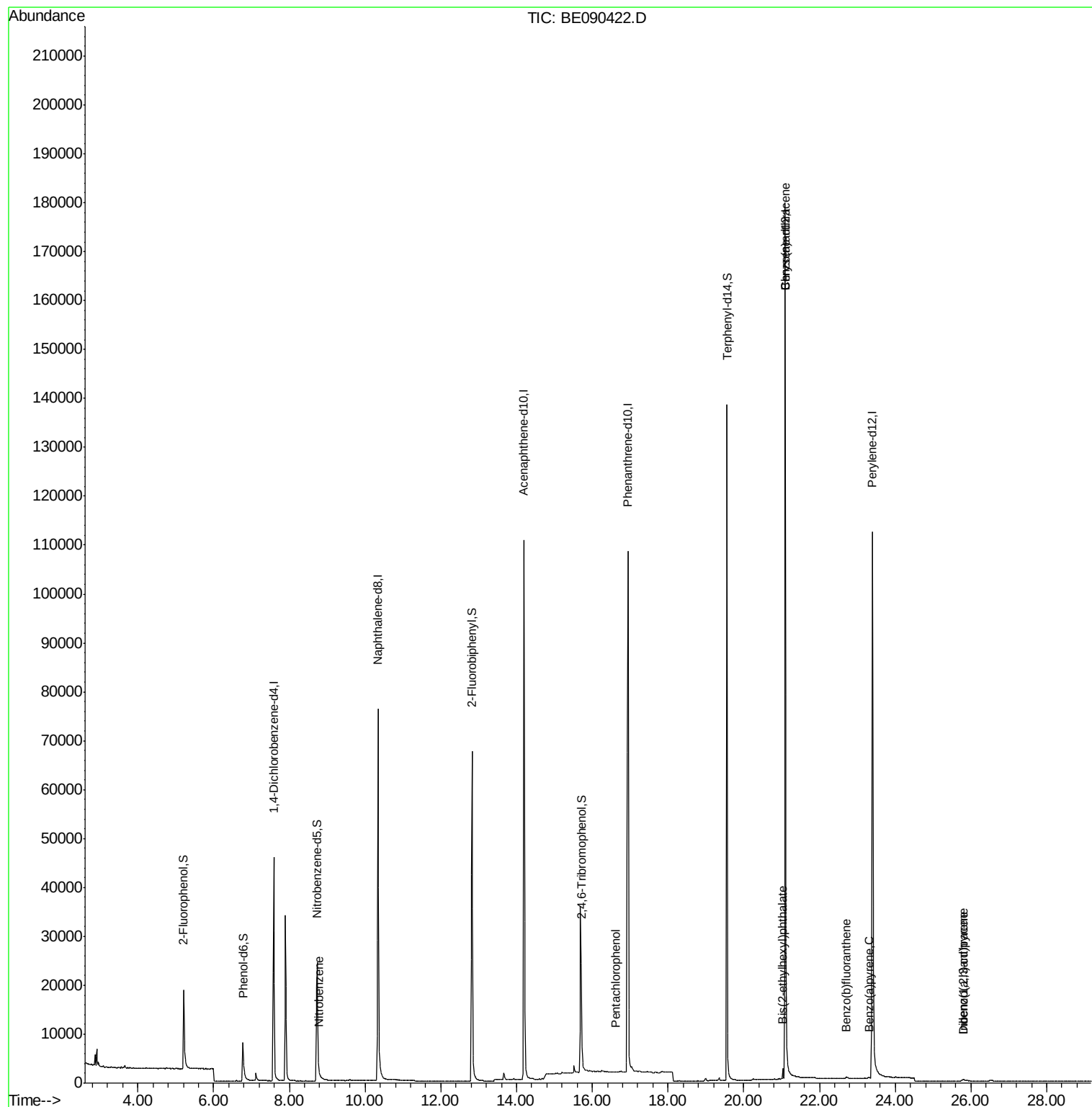
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	37	Below Cal	#	42
8) Nitrobenzene	8.80	77	4	0.21 ng	#	1
10) Hexachlorobutadiene	10.69	225	5	Below Cal	#	1
21) Pentachlorophenol	16.61	266	34	0.12 ng	#	68
28) Benzo(a)anthracene	21.09	228	872	0.02 ng	#	84
30) Bis(2-ethylhexyl)phthalate	21.03	149	1829	0.30 ng		99
31) Indeno(1,2,3-cd)pyrene	25.78	276	662	0.27 ng	#	89
33) Benzo(b)fluoranthene	22.70	252	458	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	397	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	584	0.30 ng	#	30

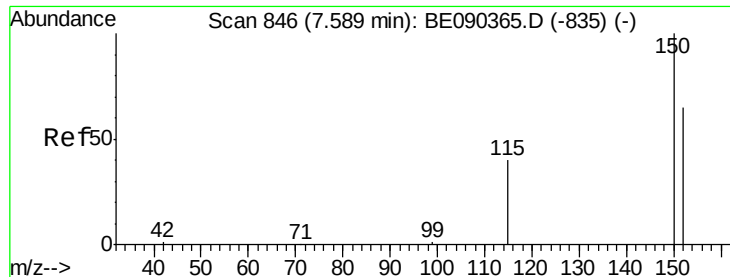
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

Instrument :

BNA_E

ClientSampleId :

080515-D534-F-D-B

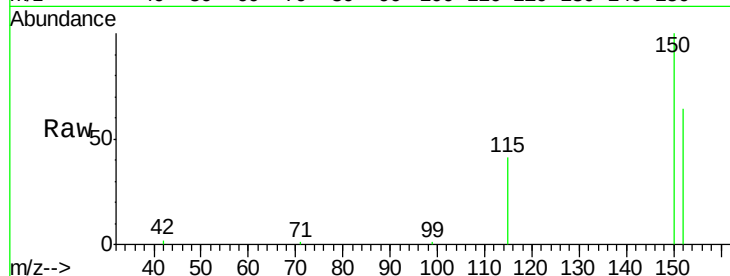
Tgt Ion: 152 Resp: 24935

Ion Ratio Lower Upper

152 100

150 155.8 123.0 184.4

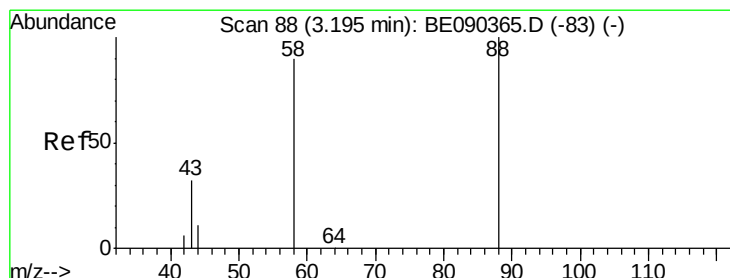
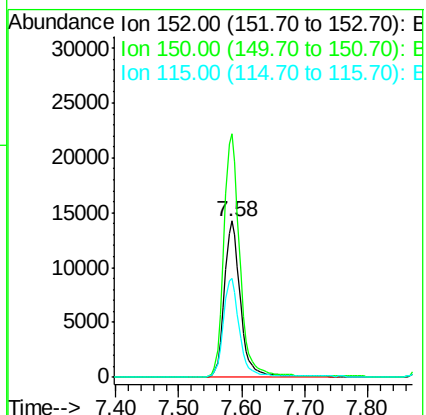
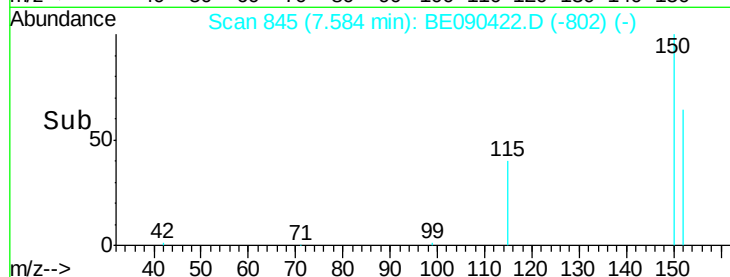
115 63.1 48.9 73.3



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: 3.27 min Scan# 99

Delta R.T. 0.08 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

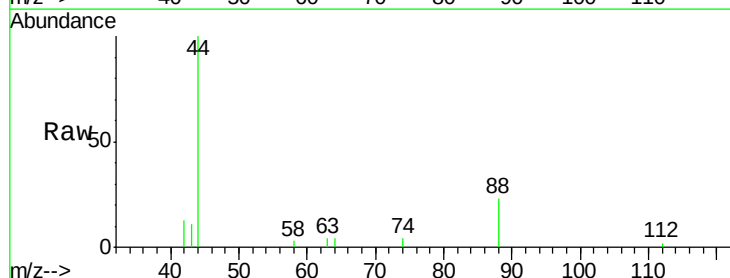
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

58 35.1 70.0 105.0#

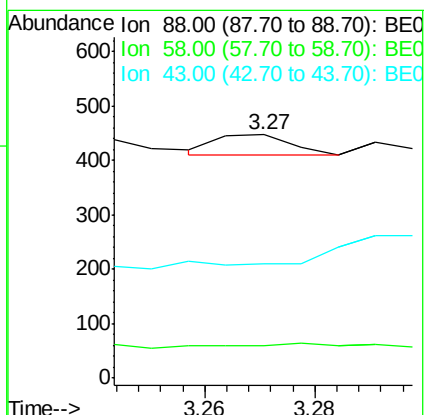
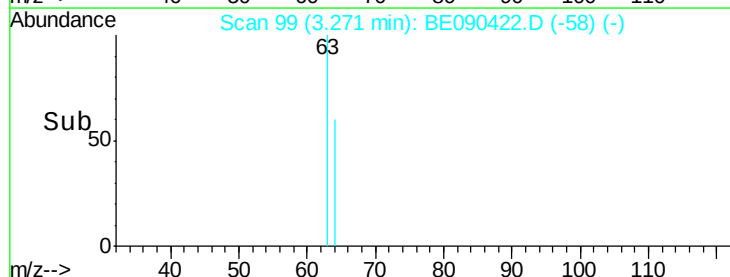
43 0.0 28.4 42.6#

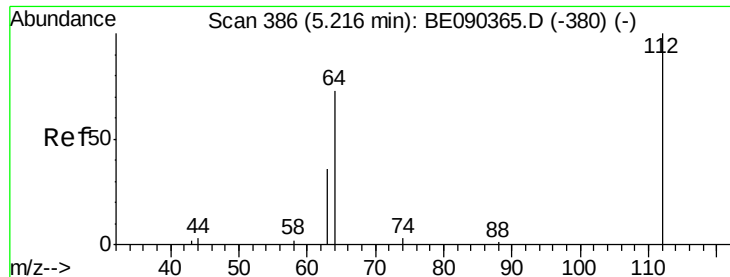


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

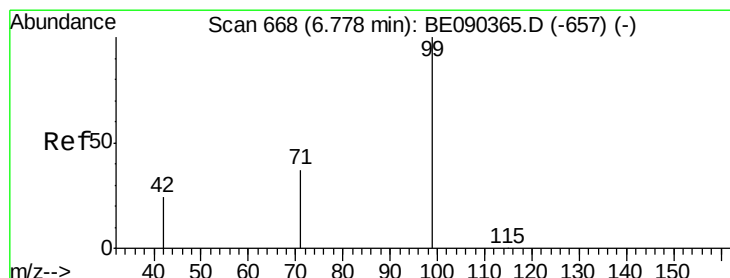
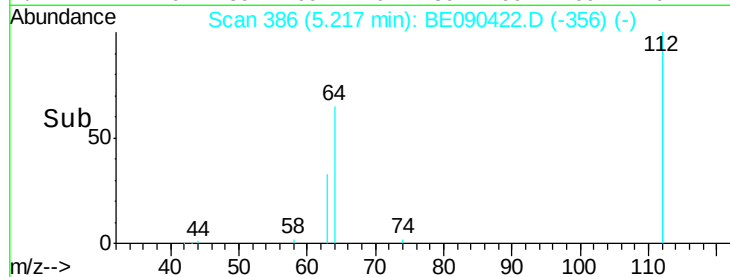
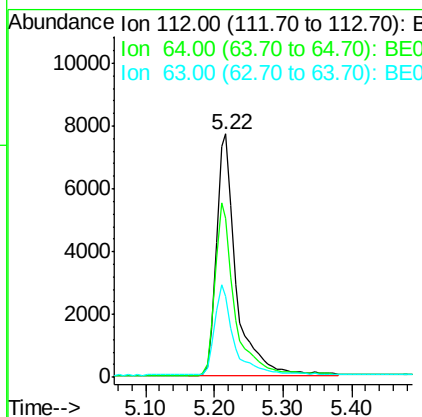
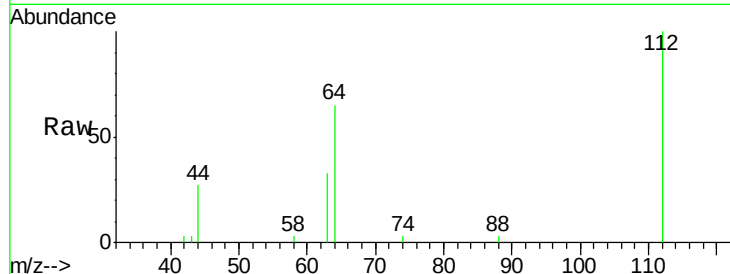




#4
 2-Fluorophenol
 Concen: 4.12 ng
 RT: 5.22 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

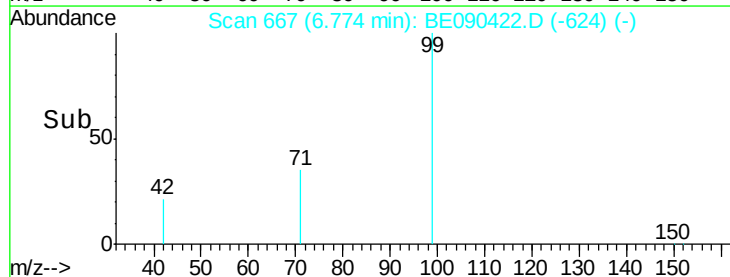
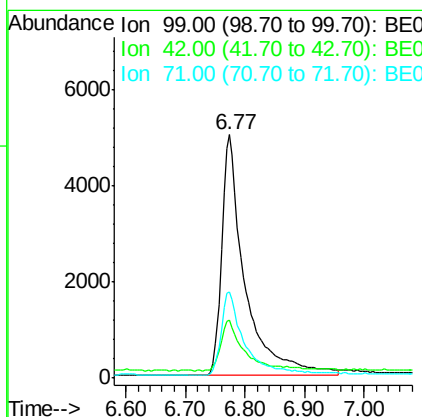
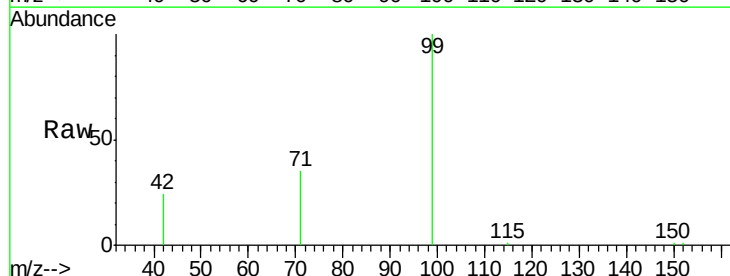
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 080515-D534-F-D-B

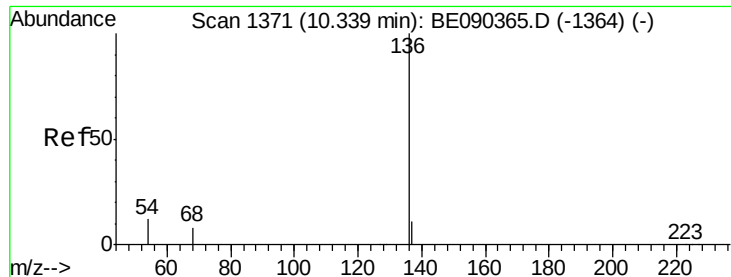
Tgt Ion:	112	Resp:	15422
Ion	Ratio	Lower	Upper
112	100		
64	70.9	37.1	55.7#
63	36.5	19.5	29.3#



#5
 Phenol-d6
 Concen: 1.89 ng
 RT: 6.77 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

Tgt Ion:	99	Resp:	13753
Ion	Ratio	Lower	Upper
99	100		
42	20.4	18.2	27.4
71	34.0	27.4	41.0

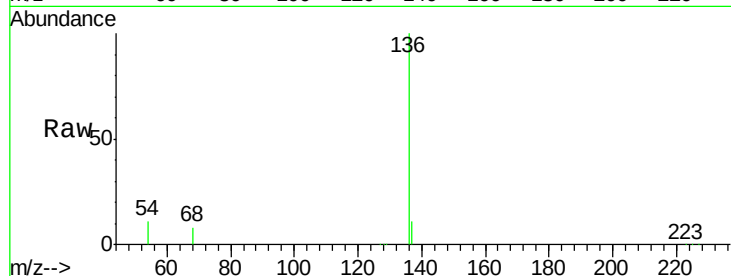




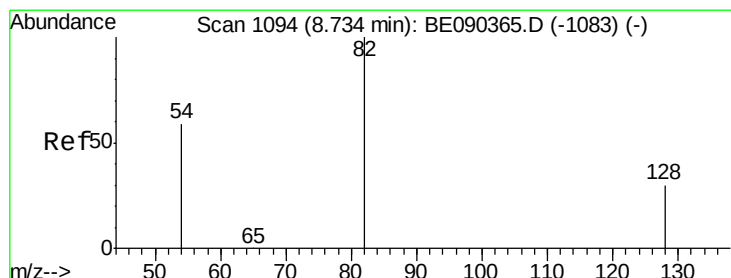
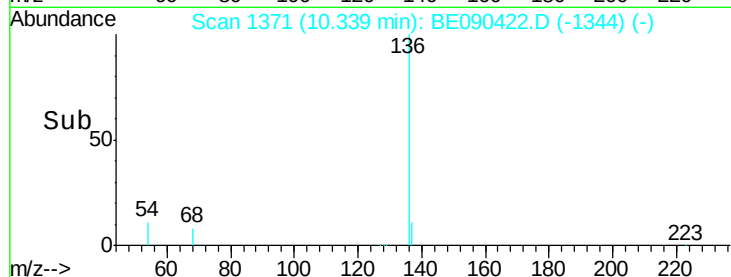
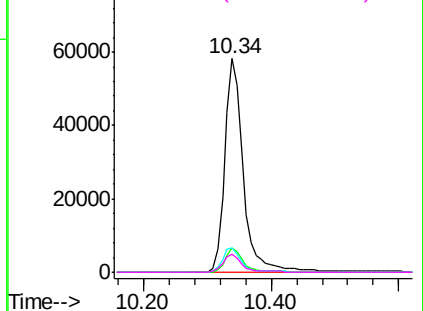
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090422.D
Acq: 11 Aug 2015 4:02

Instrument :
BNA_E
ClientSampleId :
080515-D534-F-D-B

Tgt Ion:	136	Resp:	116659
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.5	9.4	14.0
68	8.2	6.5	9.7

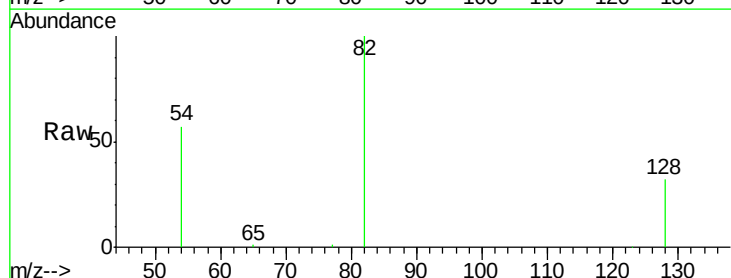


Abundance Ion 136.00 (135.70 to 136.70): BE090422.D (-1364) (-)
Ion 137.00 (136.70 to 137.70): BE090422.D (-1364) (-)
Ion 54.00 (53.70 to 54.70): BE090422.D (-1364) (-)
Ion 68.00 (67.70 to 68.70): BE090422.D (-1364) (-)

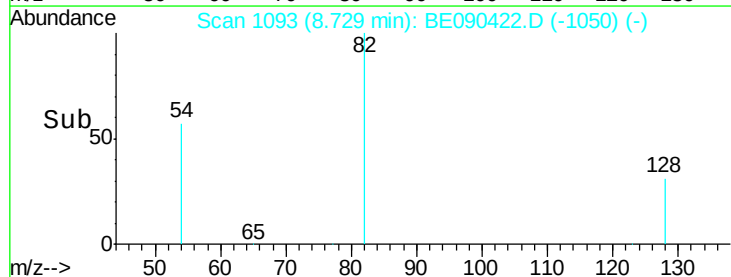
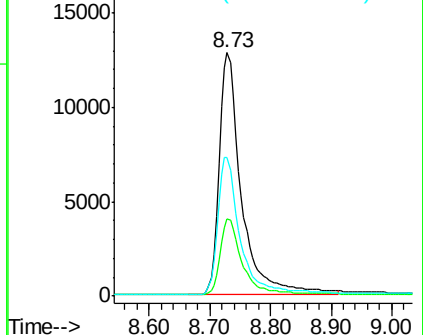


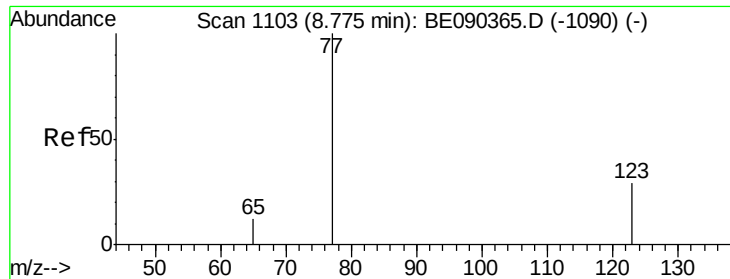
#7
Nitrobenzene-d5
Concen: 3.53 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090422.D
Acq: 11 Aug 2015 4:02

Tgt Ion:	82	Resp:	32936
Ion	Ratio	Lower	Upper
82	100		
128	31.7	25.0	37.6
54	56.9	48.8	73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090422.D (-1083) (-)
Ion 128.00 (127.70 to 128.70): BE090422.D (-1083) (-)
Ion 54.00 (53.70 to 54.70): BE090422.D (-1083) (-)

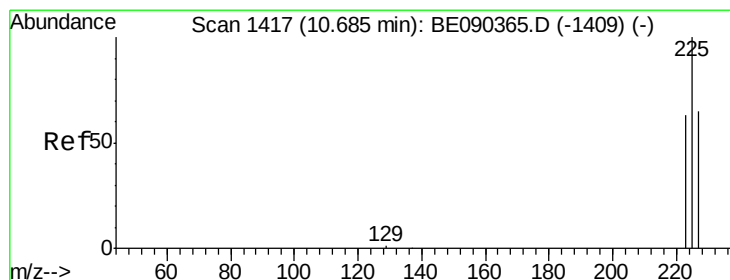
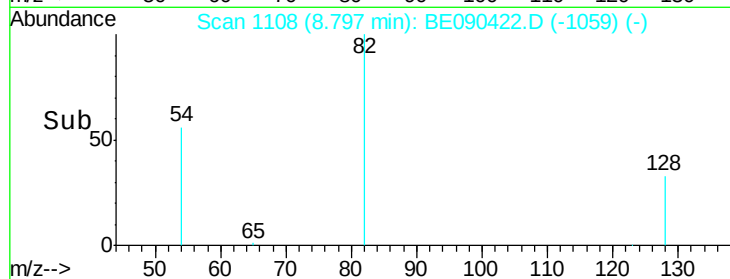
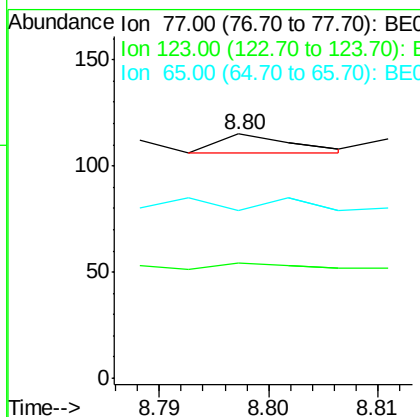
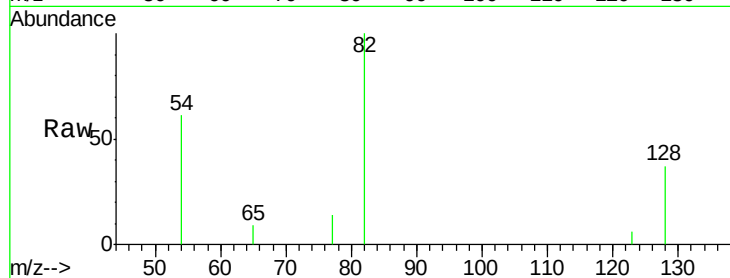




#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.80 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

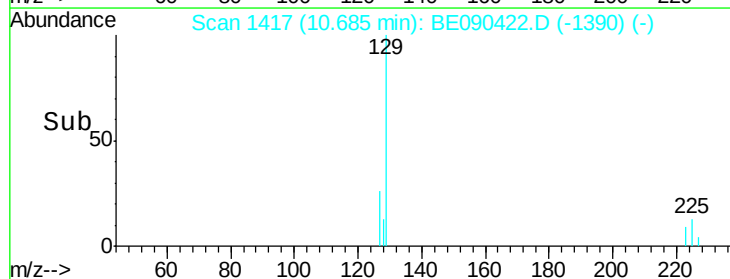
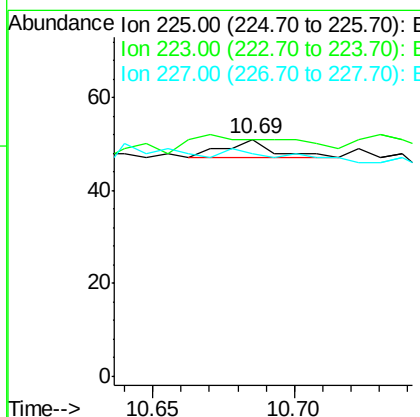
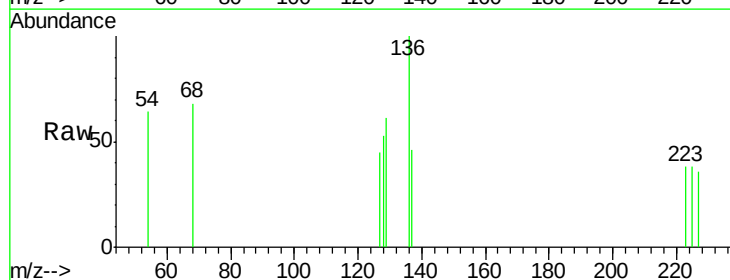
Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-F-D-B

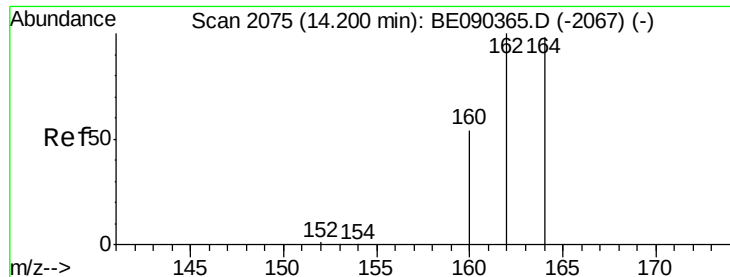
Tgt Ion: 77 Resp: 4
 Ion Ratio Lower Upper
 77 100
 123 125.0 25.1 37.7#
 65 275.0 9.3 13.9#



#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.69 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

Tgt Ion: 225 Resp: 5
 Ion Ratio Lower Upper
 225 100
 223 200.0 50.6 75.8#
 227 100.0 50.7 76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

Instrument :

BNA_E

ClientSampleId :

080515-D534-F-D-B

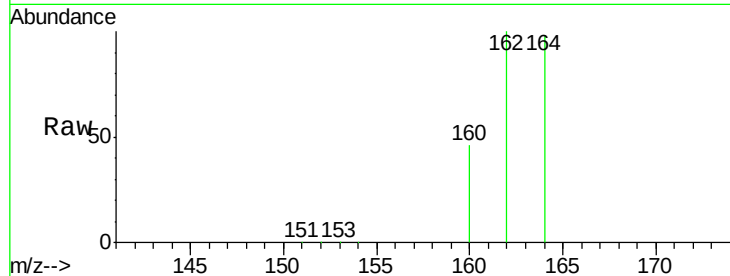
Tgt Ion:164 Resp: 69766

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

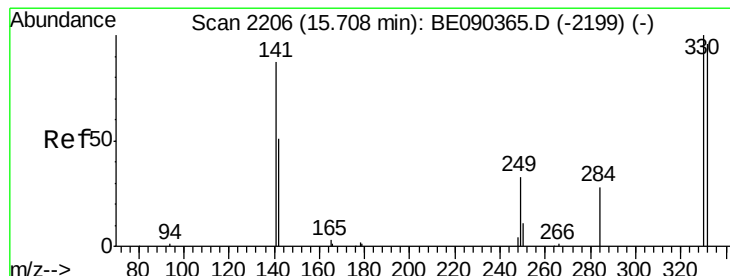
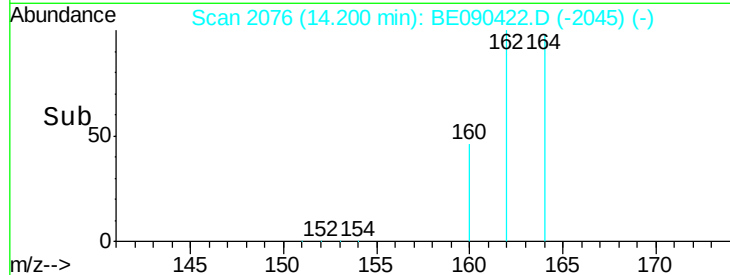
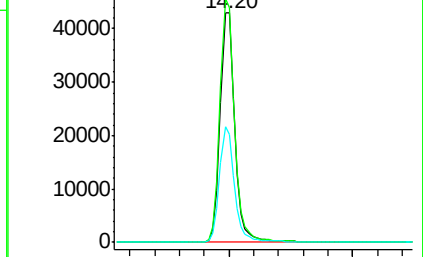
160 46.9 44.2 66.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 8.33 ng

RT: 15.71 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

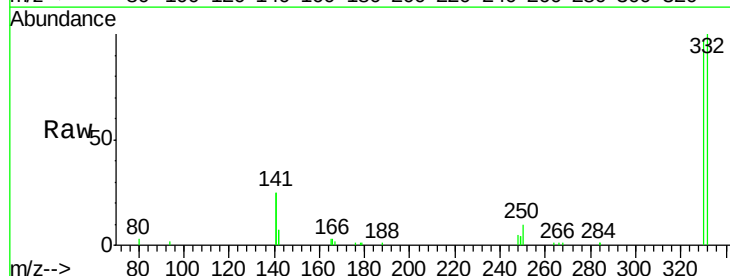
Tgt Ion:330 Resp: 18129

Ion Ratio Lower Upper

330 100

332 97.0 75.8 113.6

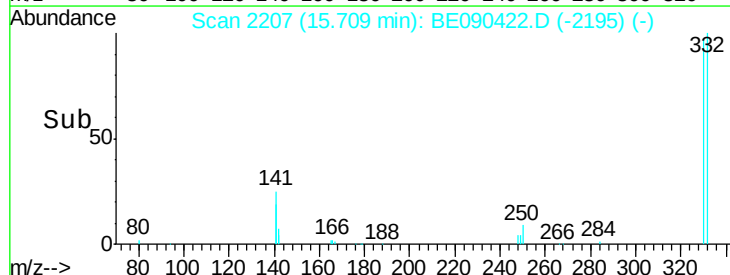
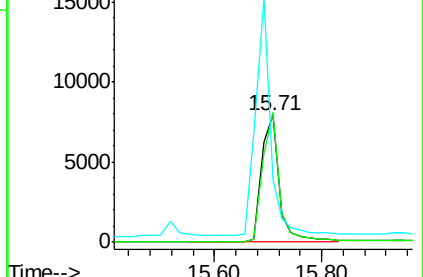
141 158.2 114.4 171.6

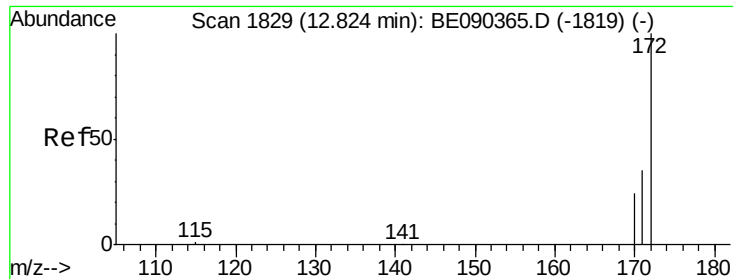


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

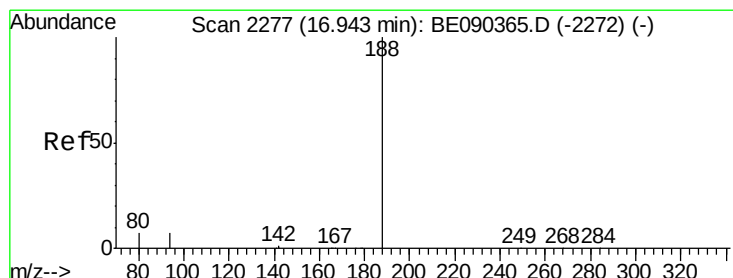
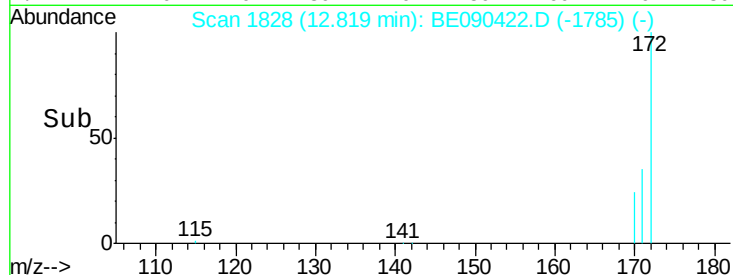
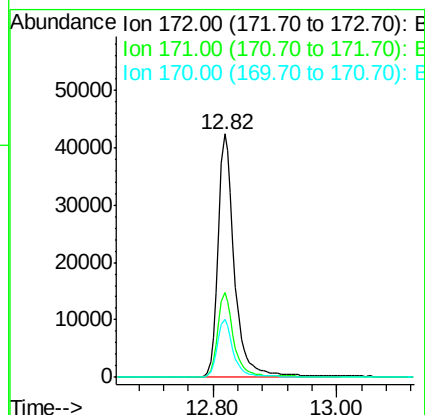
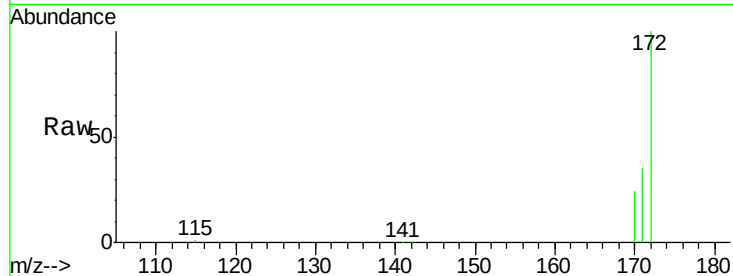




#14
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BE090422.D
Acq: 11 Aug 2015 4:02

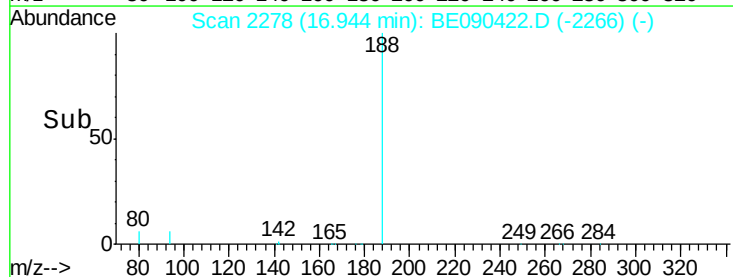
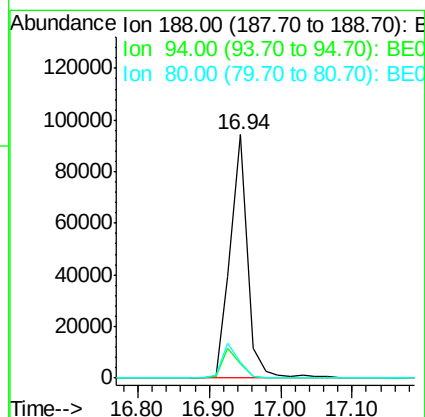
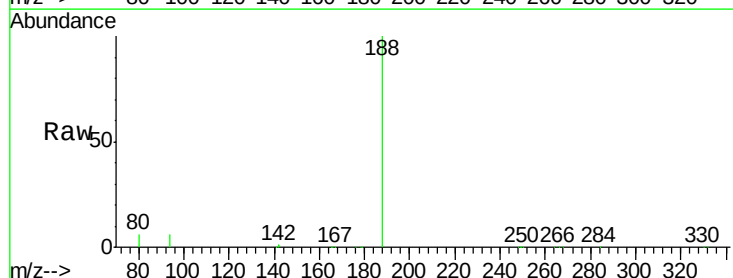
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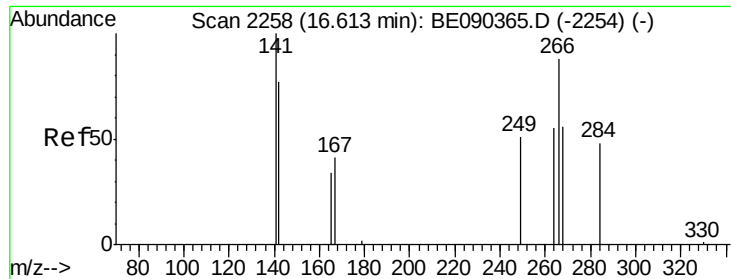
Tgt Ion:172 Resp: 78124
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.9 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090422.D
Acq: 11 Aug 2015 4:02

Tgt Ion:188 Resp: 158998
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 6.2 5.8 8.8





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

Instrument :

BNA_E

ClientSampleId :

080515-D534-F-D-B

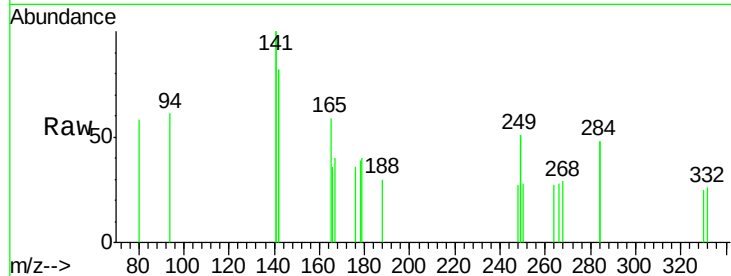
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

268 101.8 58.5 87.7#

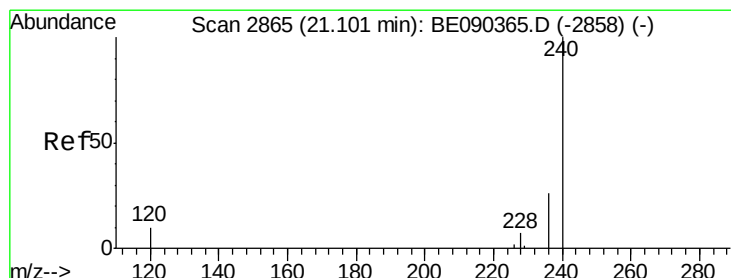
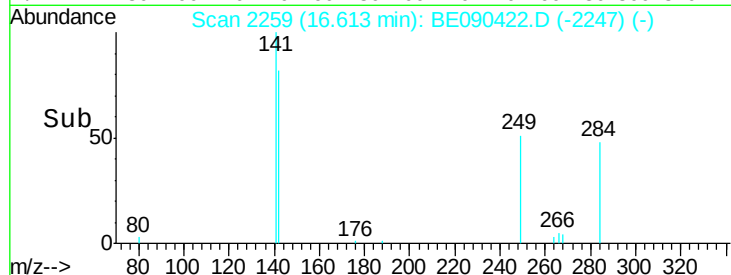
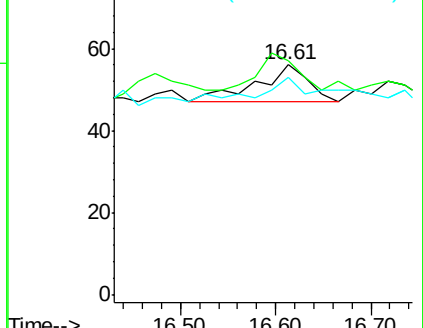
264 94.6 56.0 84.0#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

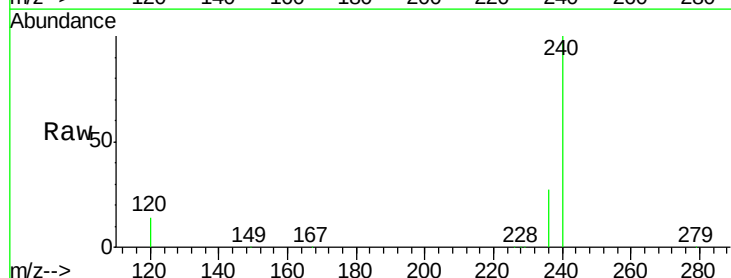
Tgt Ion:240 Resp: 184784

Ion Ratio Lower Upper

240 100

120 14.0 8.3 12.5#

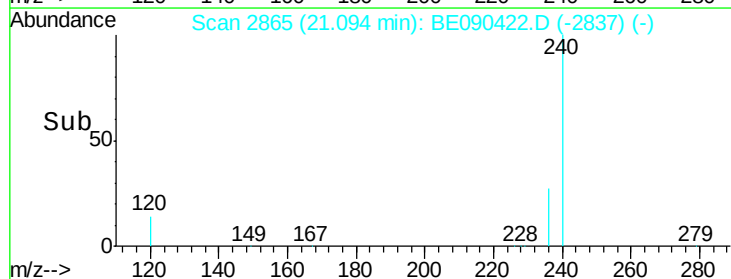
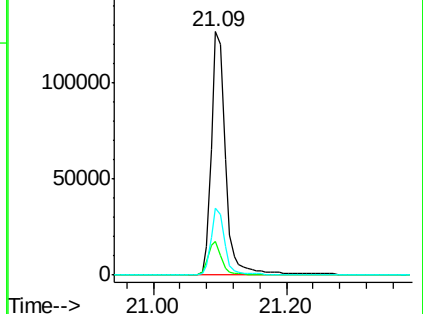
236 27.4 21.0 31.4

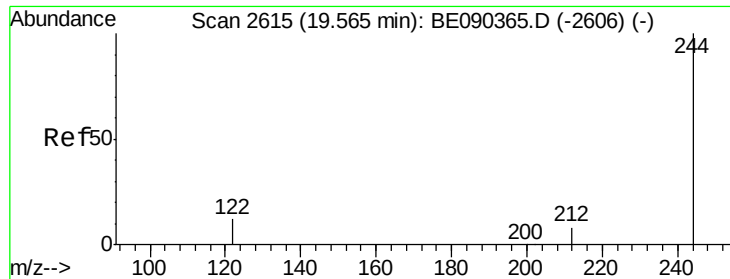


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

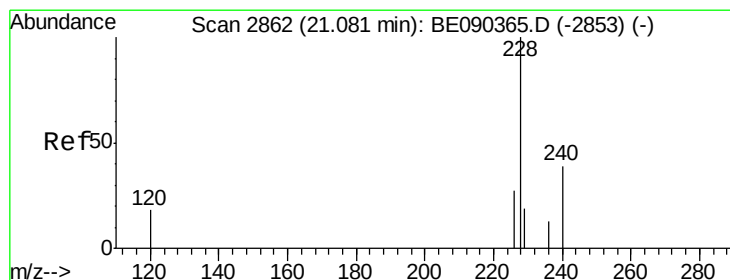
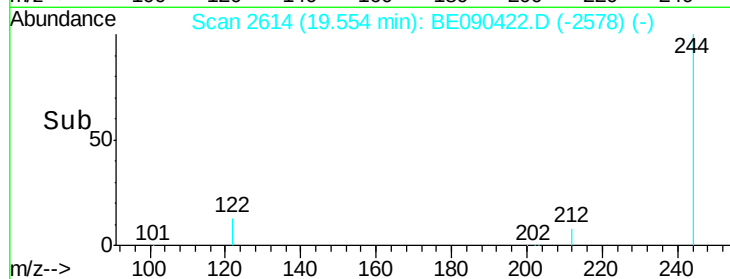
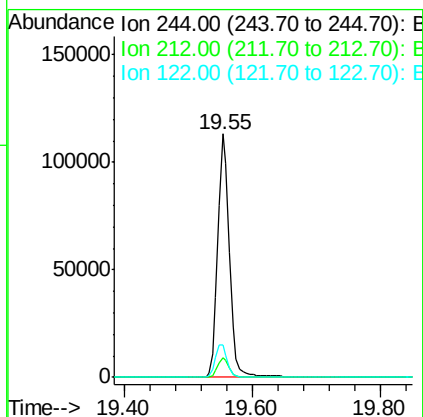
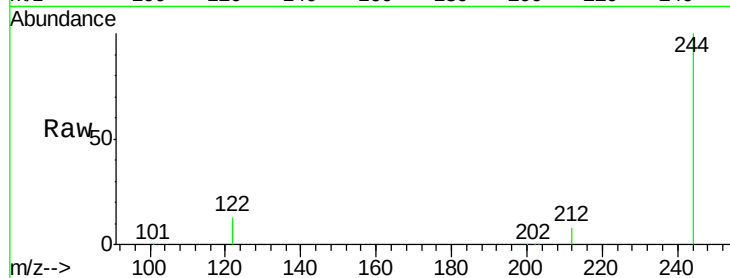




#27
 Terphenyl-d14
 Concen: 5.30 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

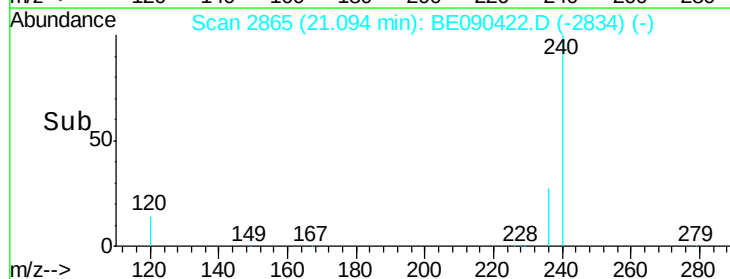
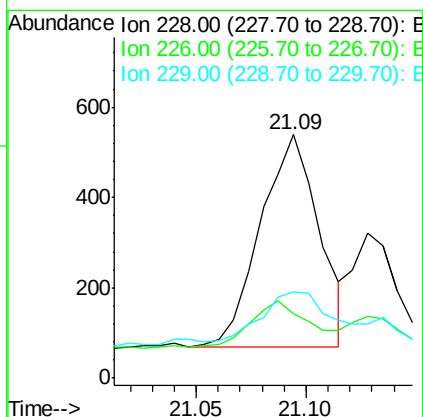
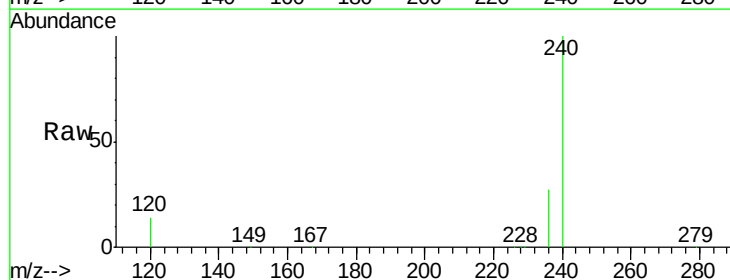
Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-F-D-B

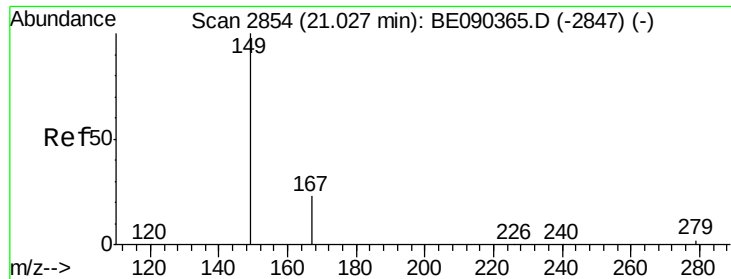
Tgt Ion: 244 Resp: 144420
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 13.4 10.2 15.4



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. 0.01 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

Tgt Ion: 228 Resp: 872
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.9 32.9
 229 35.4 15.4 23.0#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

Instrument :

BNA_E

ClientSampleId :

080515-D534-F-D-B

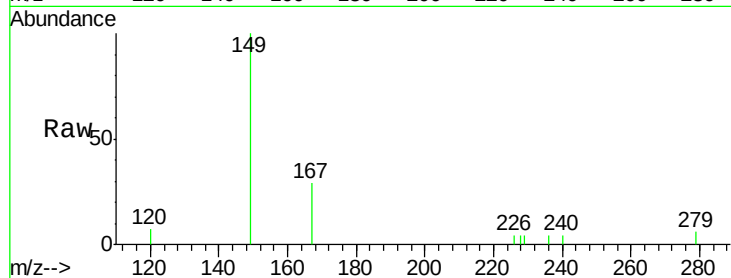
Tgt Ion:149 Resp: 1829

Ion Ratio Lower Upper

149 100

167 25.4 19.8 29.8

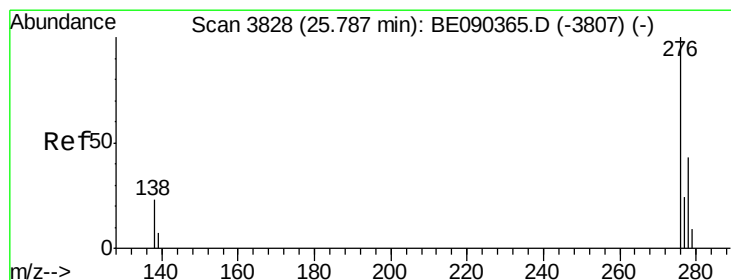
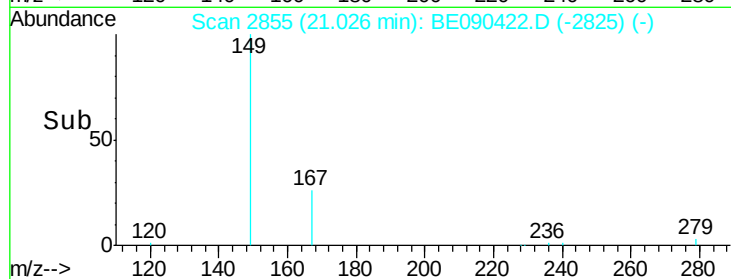
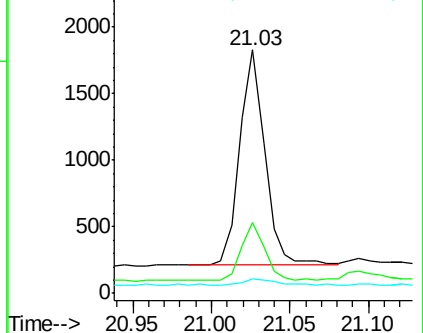
279 3.4 2.4 3.6



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: BE090422.D

Acq: 11 Aug 2015 4:02

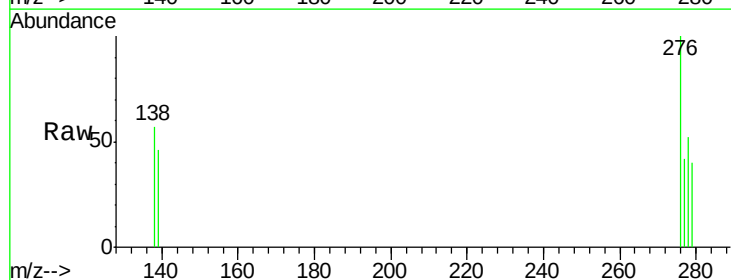
Tgt Ion:276 Resp: 662

Ion Ratio Lower Upper

276 100

138 26.7 18.8 28.2

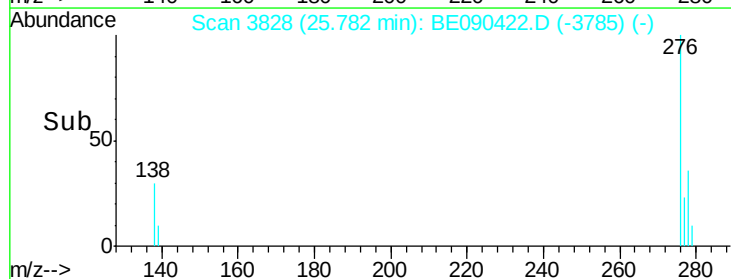
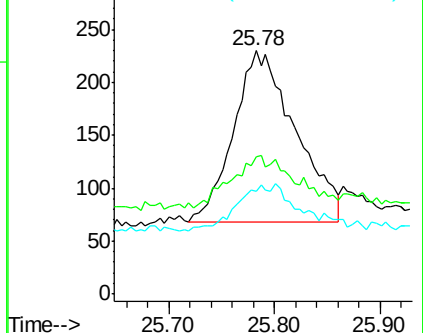
277 15.4 18.2 27.4#

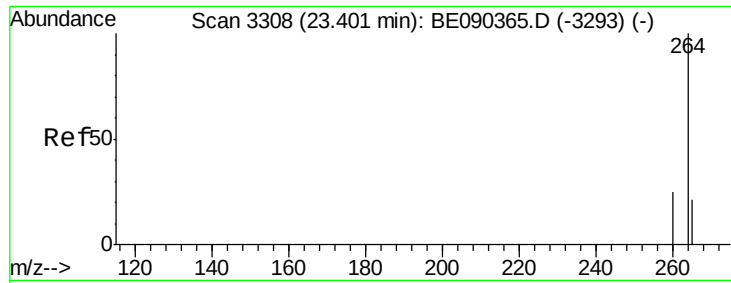


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

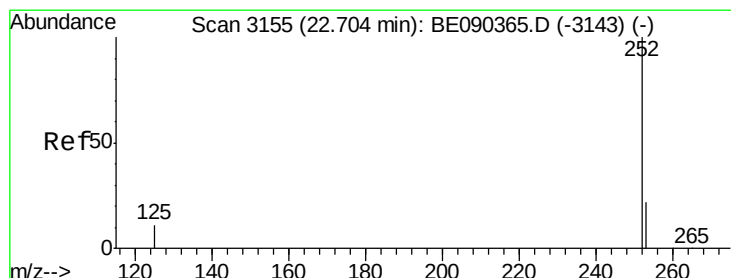
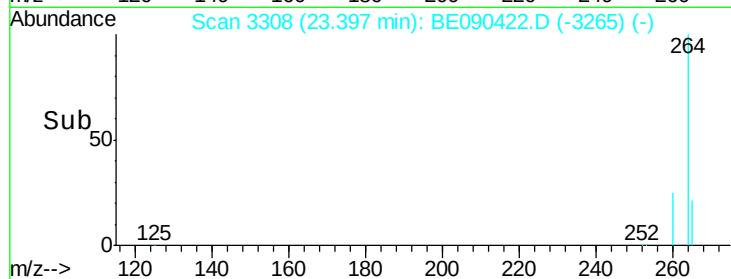
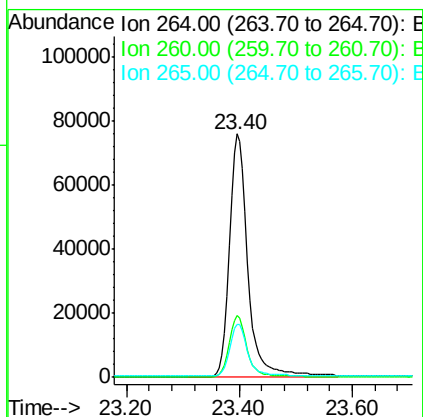
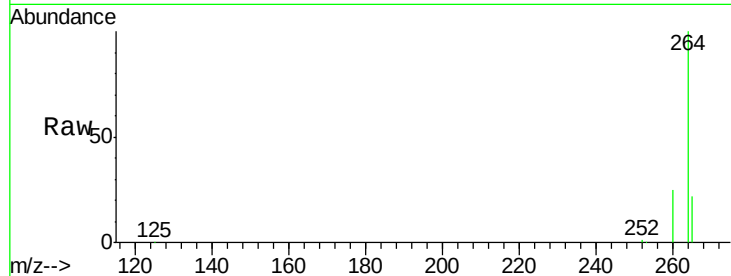




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

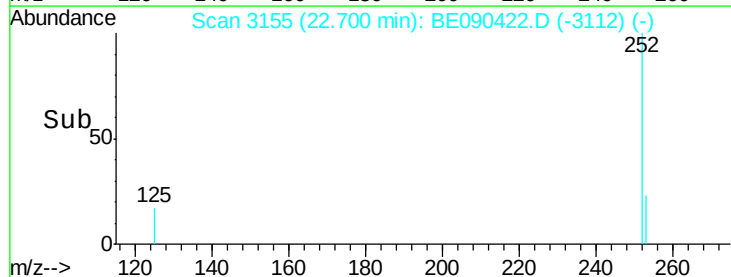
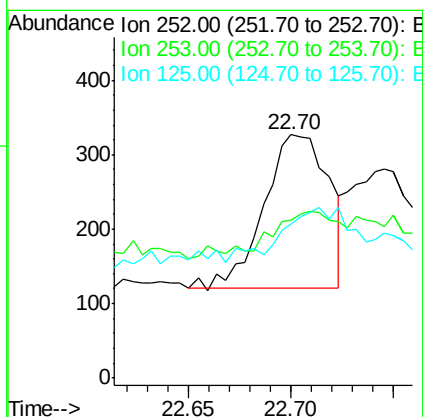
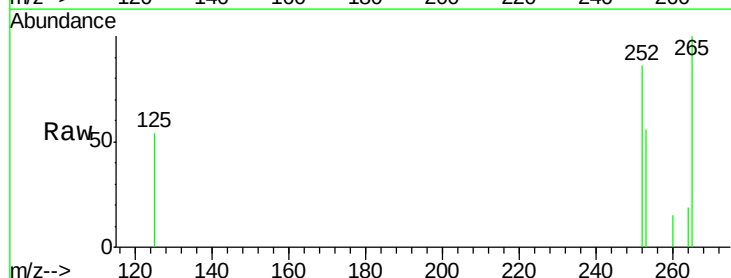
Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-F-D-B

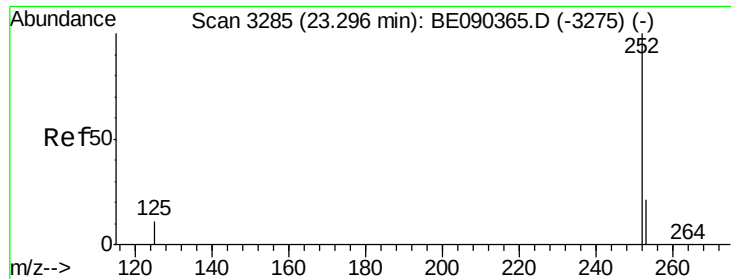
Tgt Ion: 264 Resp: 171463
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.1 30.1
 265 21.9 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE090422.D
 Acq: 11 Aug 2015 4:02

Tgt Ion: 252 Resp: 458
 Ion Ratio Lower Upper
 252 100
 253 64.8 18.1 27.1#
 125 63.0 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

Instrument :

BNA_E

ClientSampleId :

080515-D534-F-D-B

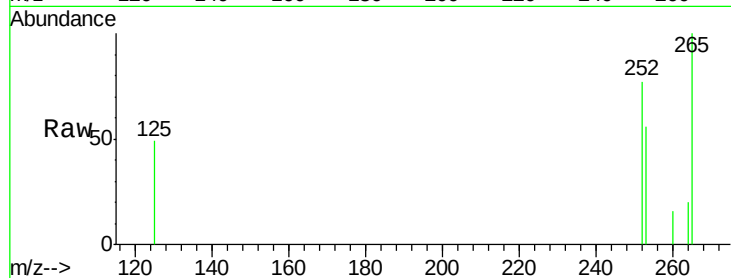
Tgt Ion: 252 Resp: 397

Ion Ratio Lower Upper

252 100

253 73.1 17.6 26.4#

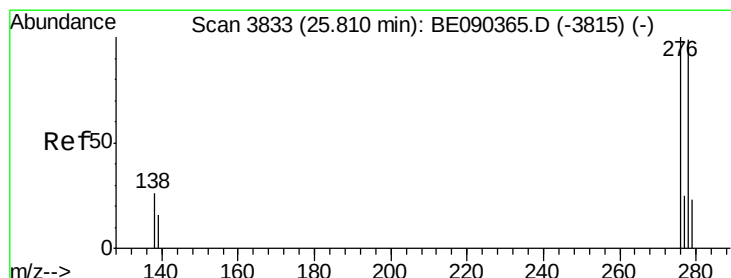
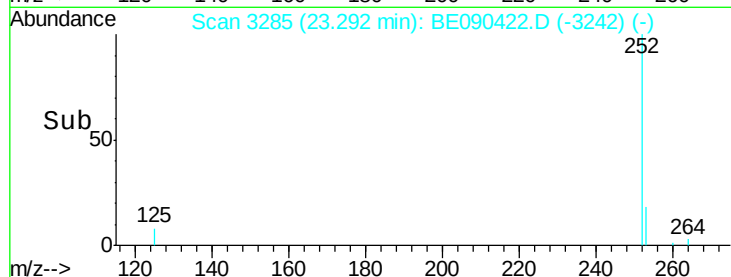
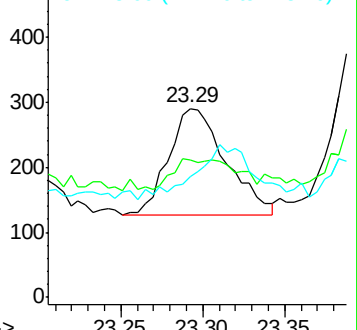
125 63.8 9.8 14.6#



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: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090422.D

Acq: 11 Aug 2015 4:02

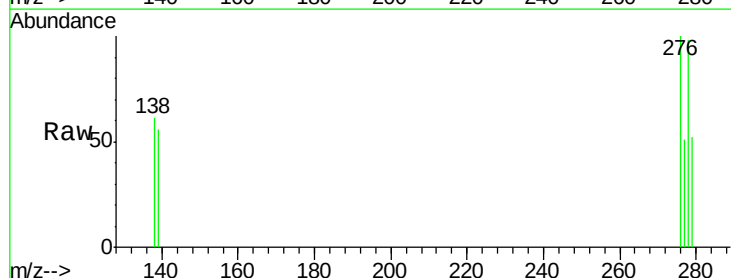
Tgt Ion: 278 Resp: 584

Ion Ratio Lower Upper

278 100

139 57.7 14.2 21.4#

279 52.9 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

