

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090426.D
 Acq On : 11 Aug 2015 6:28
 Operator : TP/UM
 Sample : G3205-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-B

Quant Time: Aug 11 07:15:25 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	25068	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	117331	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	69898	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	163142	5.00	ng	0.00
25) Chrysene-d12	21.09	240	191577	5.00	ng	0.00
32) Perylene-d12	23.40	264	176301	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	14405	3.83	ng	0.00
5) Phenol-d6	6.77	99	13409	1.84	ng	0.00
7) Nitrobenzene-d5	8.73	82	27818	3.00	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	15657	7.53	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	68913	3.58	ng	0.00
27) Terphenyl-d14	19.55	244	139796	4.95	ng	-0.01

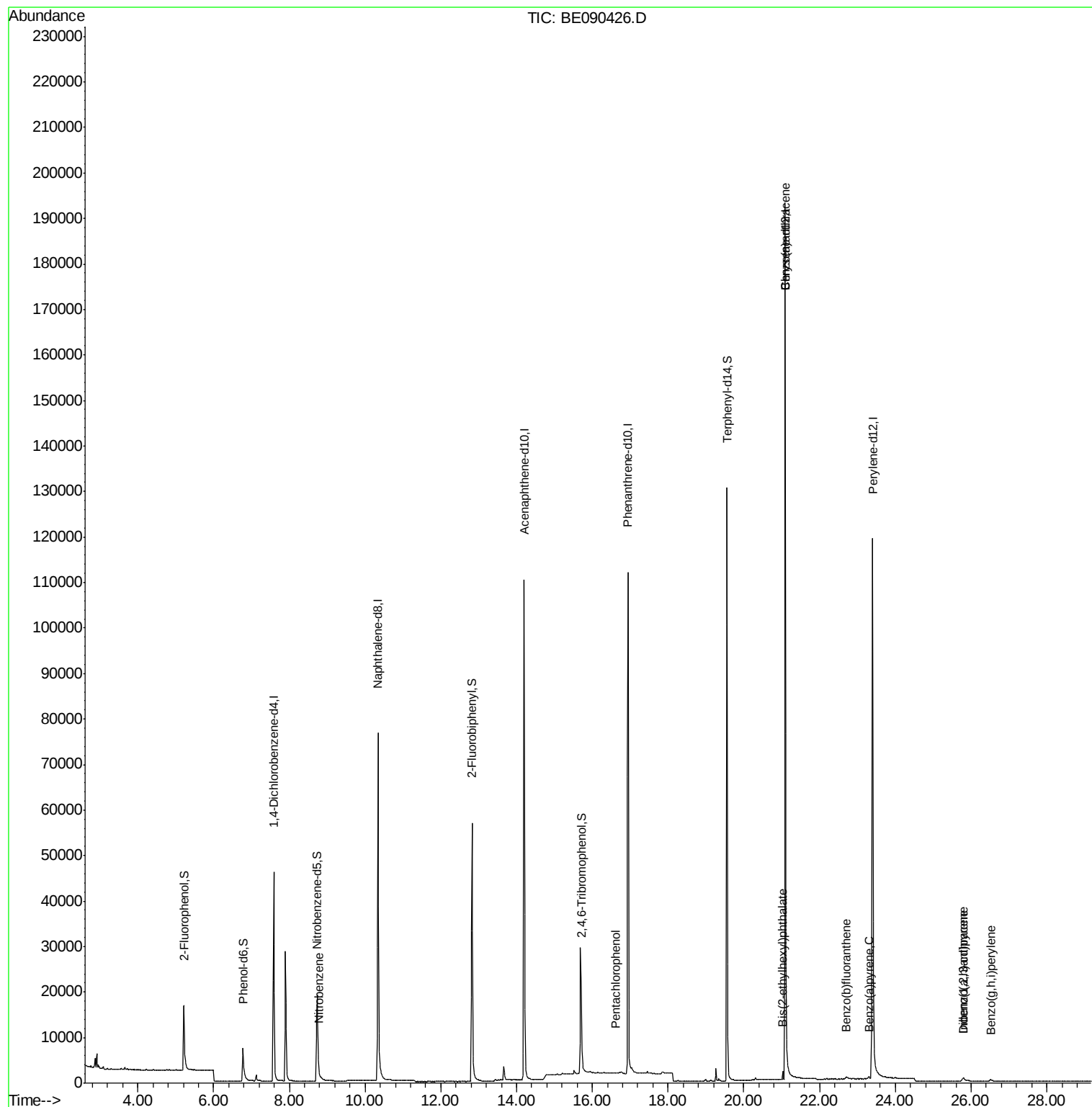
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	53	Below Cal	#	12
8) Nitrobenzene	8.78	77	7	0.21 ng	#	15
10) Hexachlorobutadiene	10.69	225	7	Below Cal	#	46
21) Pentachlorophenol	16.61	266	18	0.11 ng	#	72
28) Benzo(a)anthracene	21.09	228	960	0.02 ng	#	84
30) Bis(2-ethylhexyl)phthalate	21.03	149	1567	0.26 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.79	276	1263	0.28 ng	#	83
33) Benzo(b)fluoranthene	22.70	252	647	0.21 ng	#	21
35) Benzo(a)pyrene	23.30	252	738	0.24 ng	#	21
36) Dibenzo(a,h)anthracene	25.81	278	1107	0.31 ng	#	60
37) Benzo(g,h,i)perylene	26.52	276	1047	0.03 ng	#	67

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
080515-D506-F-U-B

Quant Time: Aug 11 07:15:25 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. -0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

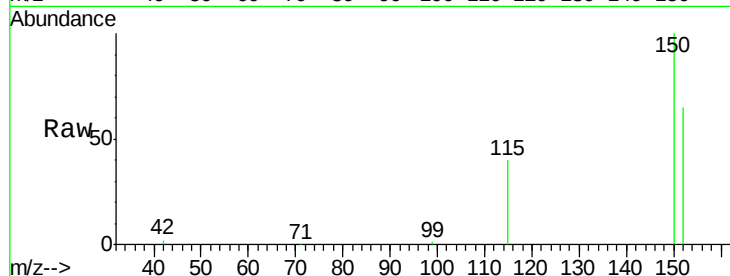
Tgt Ion:152 Resp: 25068

Ion Ratio Lower Upper

152 100

150 155.0 123.0 184.4

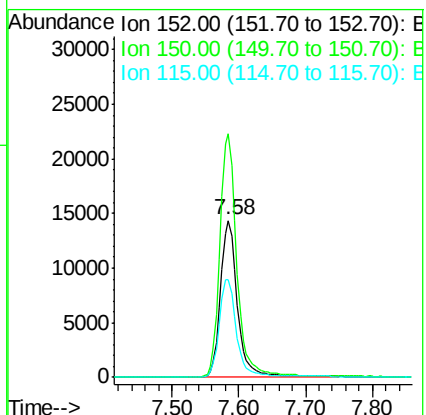
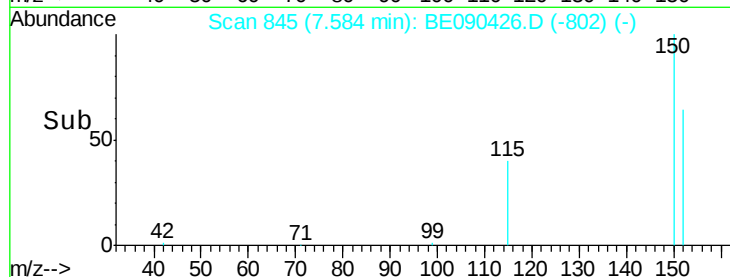
115 62.3 48.9 73.3



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: 3.18 min Scan# 86

Delta R.T. -0.01 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

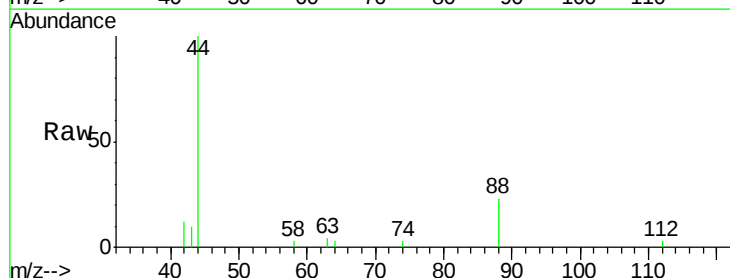
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 54.7 70.0 105.0#

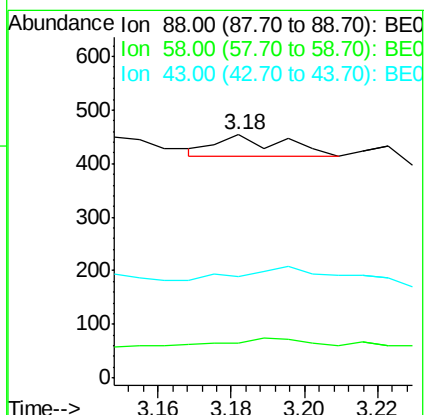
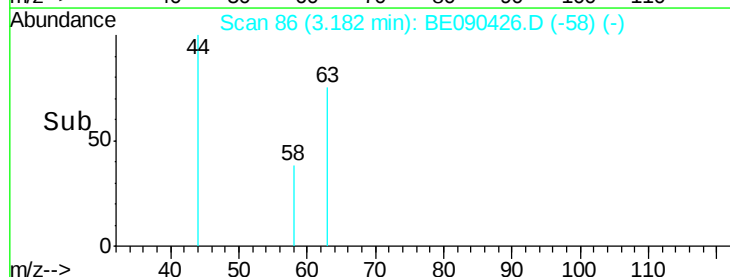
43 162.3 28.4 42.6#



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: 3.83 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

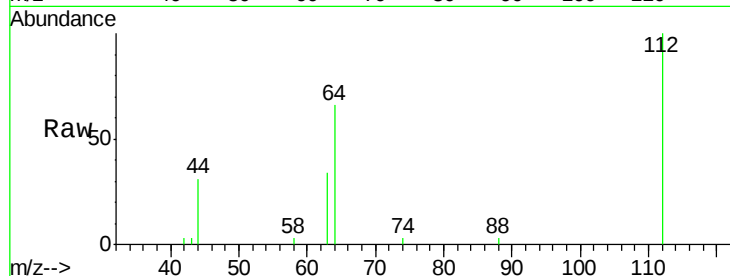
Tgt Ion: 112 Resp: 14405

Ion Ratio Lower Upper

112 100

64 70.6 37.1 55.7#

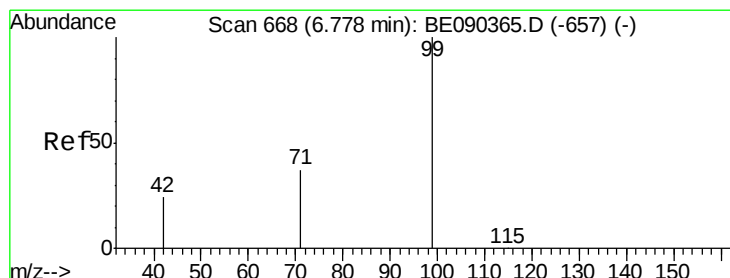
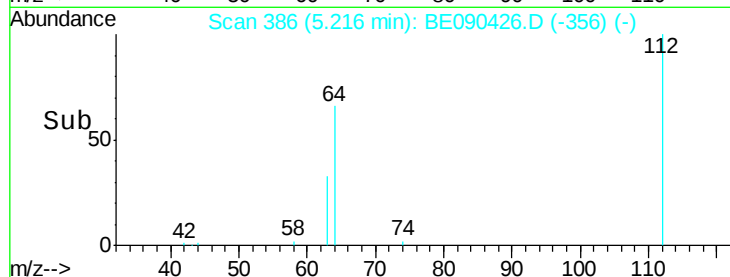
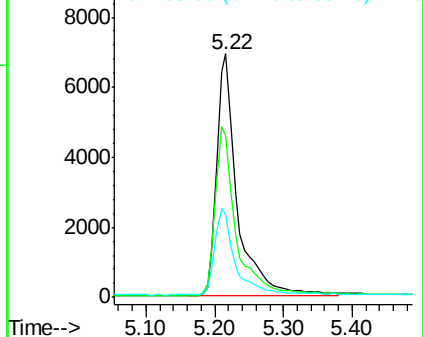
63 35.4 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.84 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

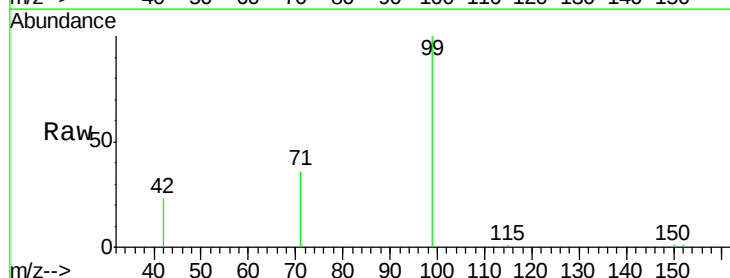
Tgt Ion: 99 Resp: 13409

Ion Ratio Lower Upper

99 100

42 20.9 18.2 27.4

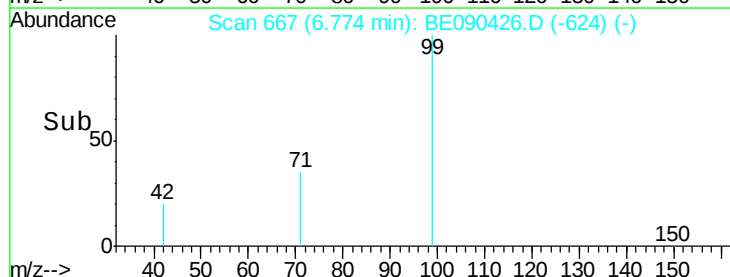
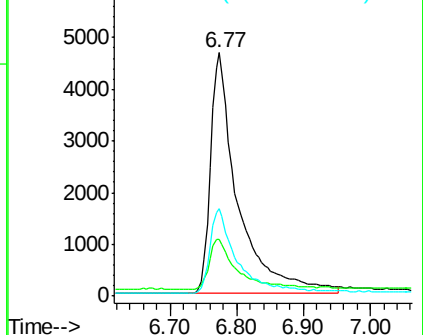
71 34.3 27.4 41.0

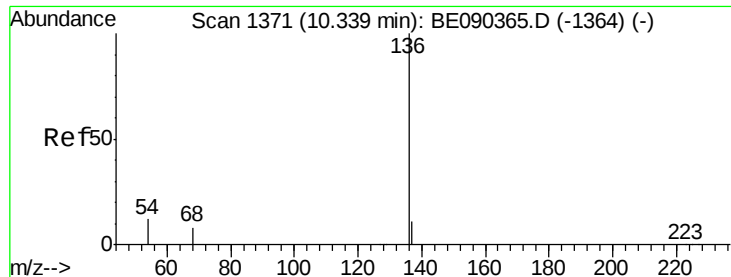


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

Tgt Ion: 136 Resp: 117331

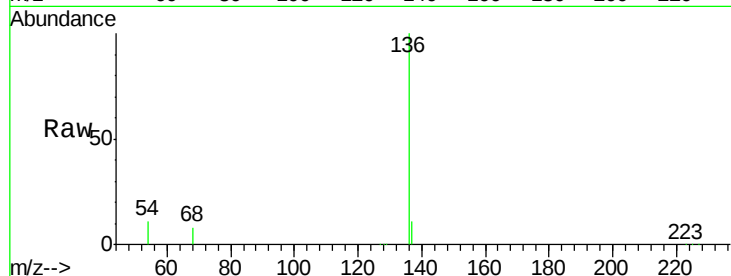
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.0 9.4 14.0

68 8.1 6.5 9.7

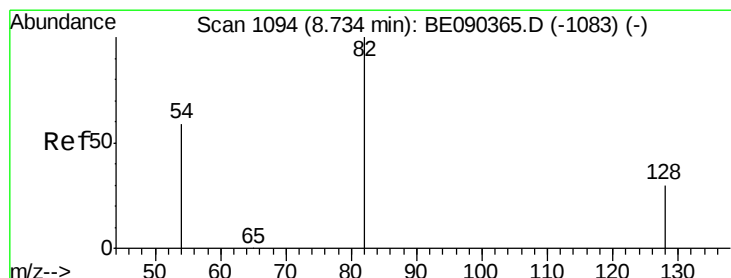
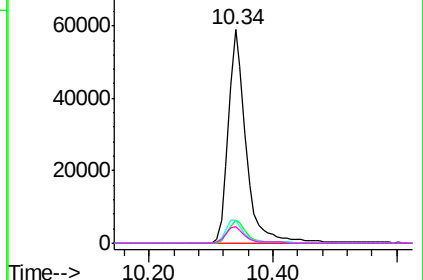
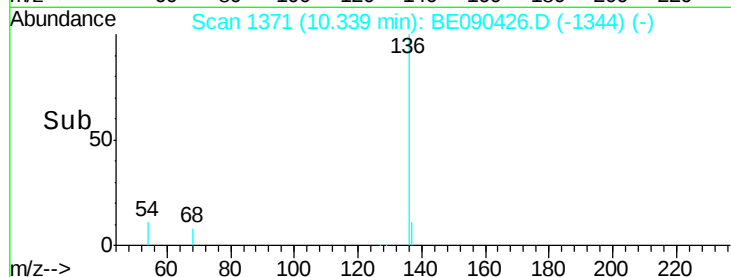


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.00 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

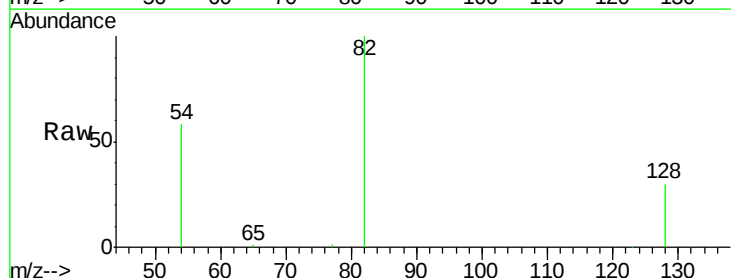
Tgt Ion: 82 Resp: 27818

Ion Ratio Lower Upper

82 100

128 30.4 25.0 37.6

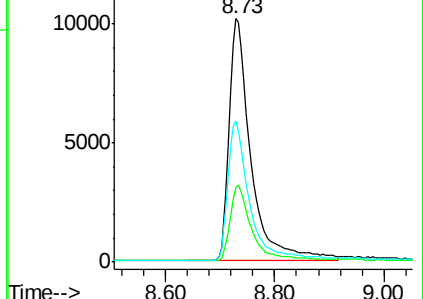
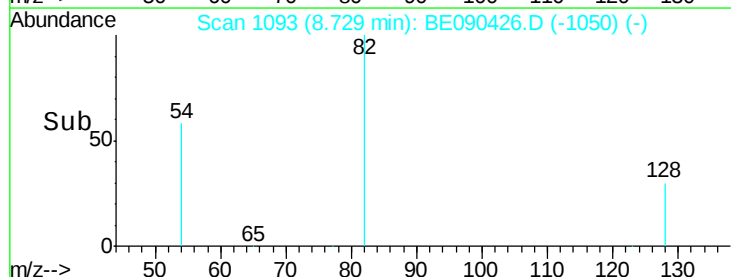
54 58.2 48.8 73.2

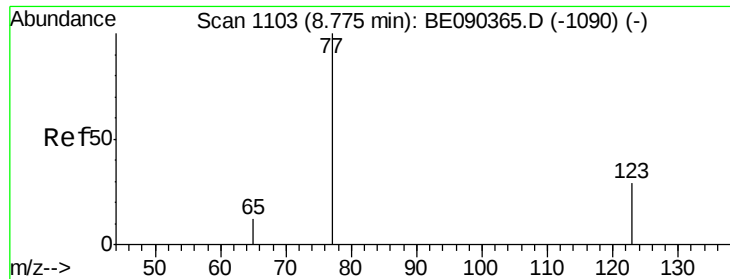


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

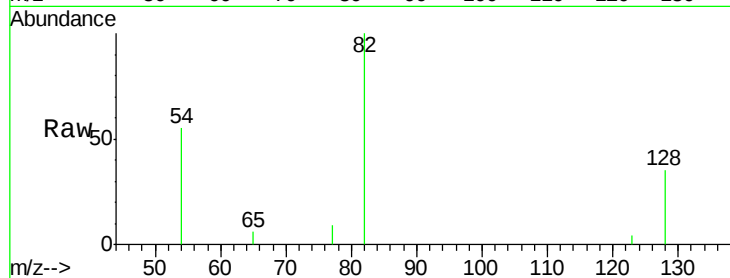




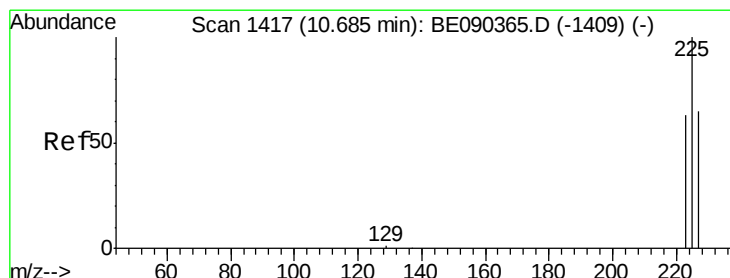
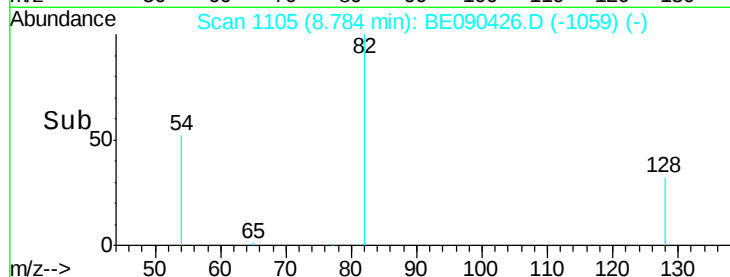
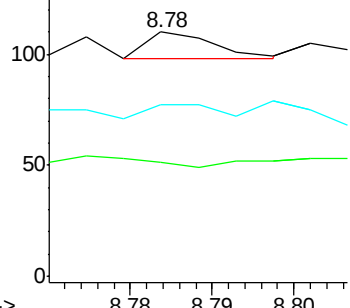
#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.78 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-B

Tgt Ion: 77 Resp: 7
 Ion Ratio Lower Upper
 77 100
 123 71.4 25.1 37.7#
 65 57.1 9.3 13.9#

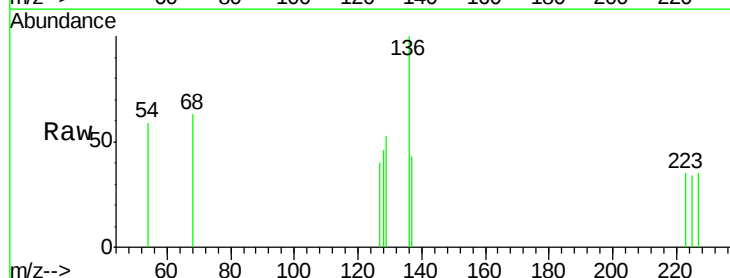


Abundance Ion 77.00 (76.70 to 77.70): BE0
 Ion 123.00 (122.70 to 123.70): BE0
 Ion 65.00 (64.70 to 65.70): BE0

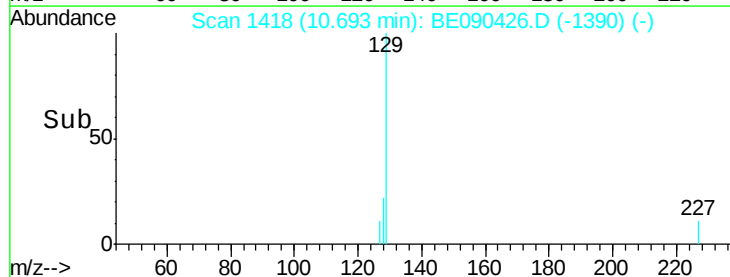
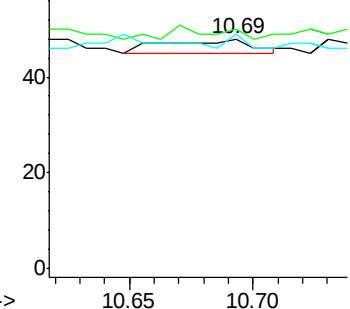


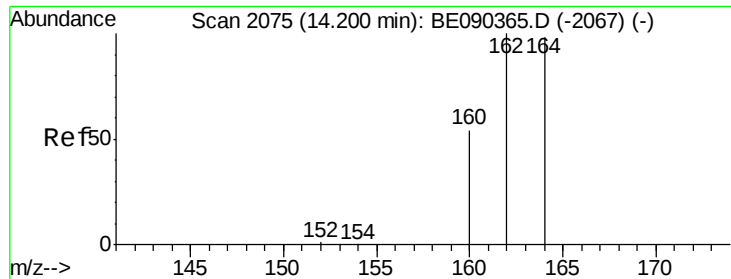
#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.69 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

Tgt Ion: 225 Resp: 7
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 75.8#
 227 42.9 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: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

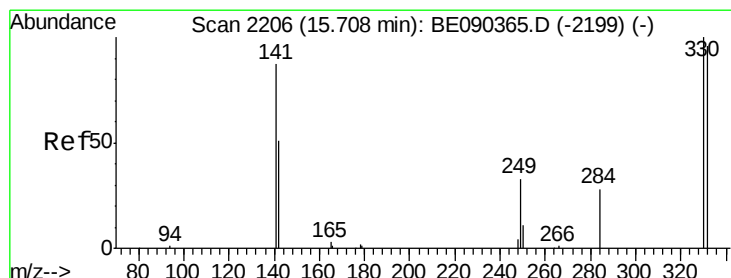
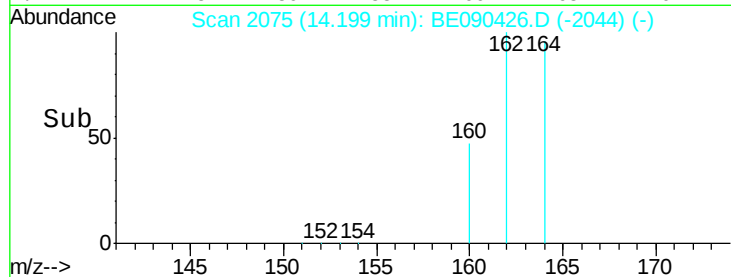
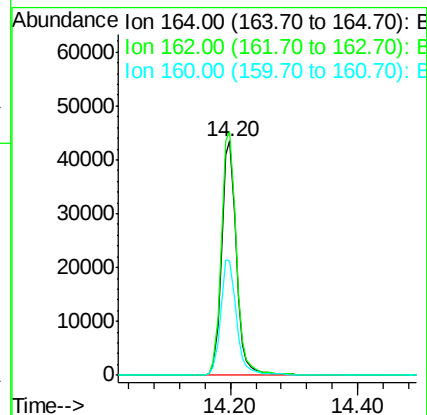
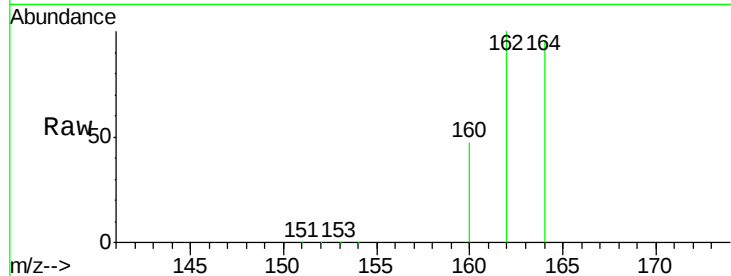
Tgt Ion:164 Resp: 69898

Ion Ratio Lower Upper

164 100

162 104.0 81.8 122.8

160 48.8 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 7.53 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

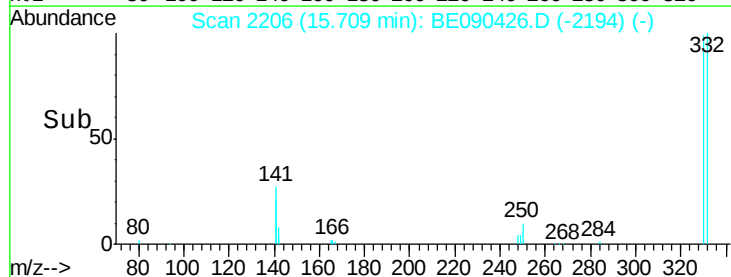
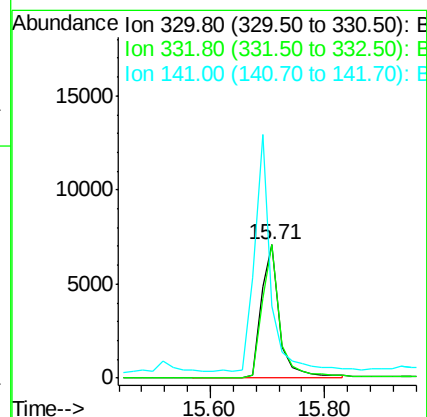
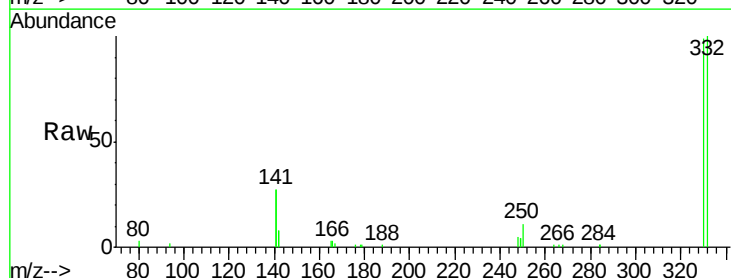
Tgt Ion:330 Resp: 15657

Ion Ratio Lower Upper

330 100

332 96.7 75.8 113.6

141 160.8 114.4 171.6

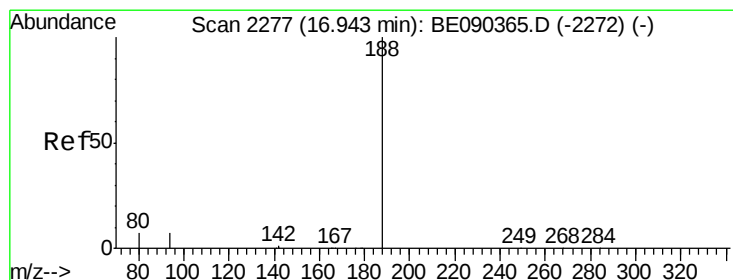
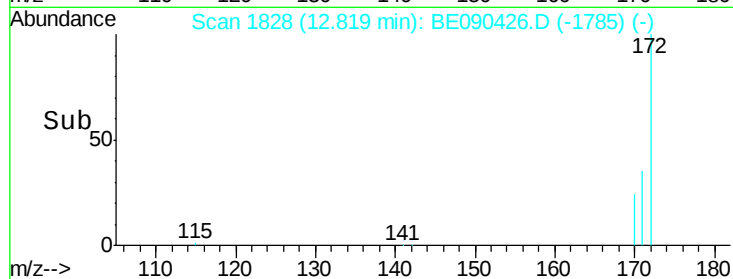
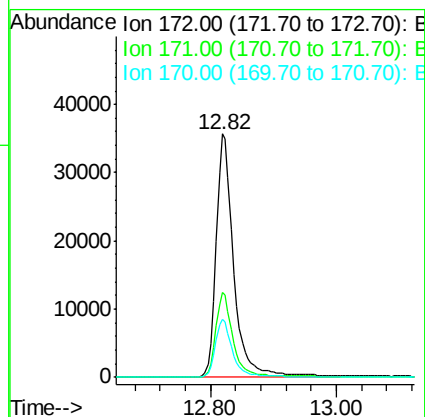
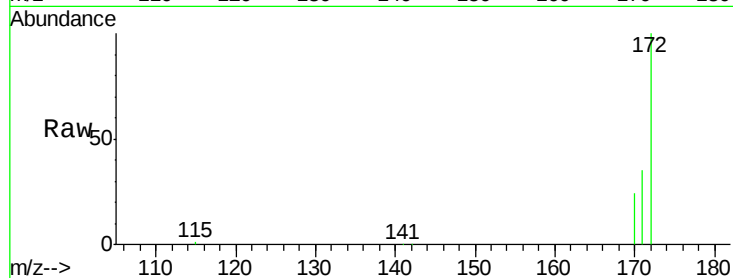




#14
2-Fluorobiphenyl
Concen: 3.58 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090426.D
Acq: 11 Aug 2015 6:28

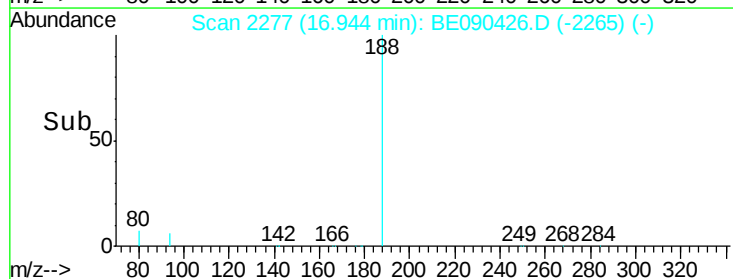
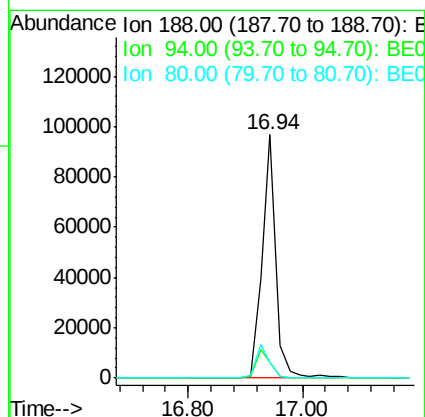
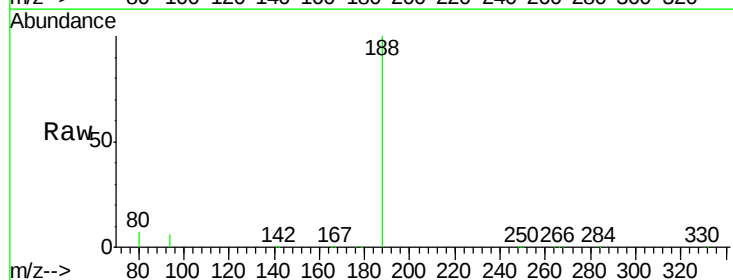
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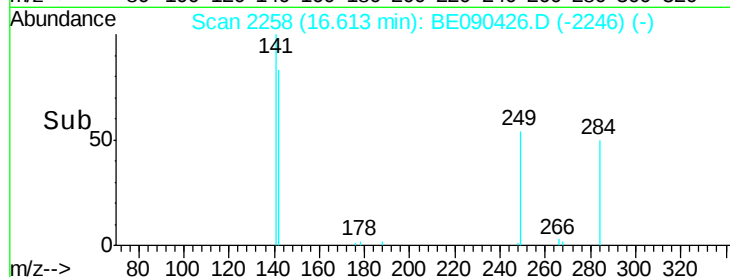
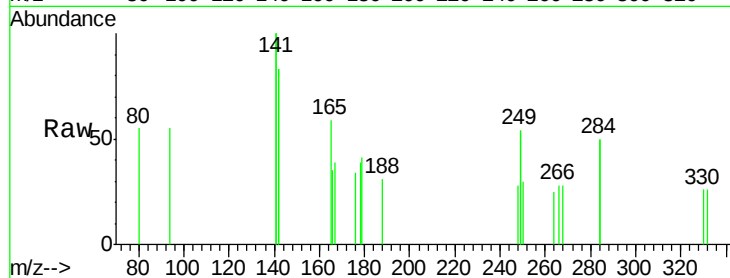
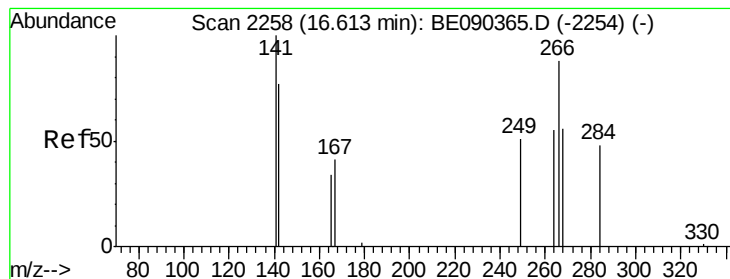
Tgt Ion:172 Resp: 68913
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 24.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090426.D
Acq: 11 Aug 2015 6:28

Tgt Ion:188 Resp: 163142
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 6.6 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

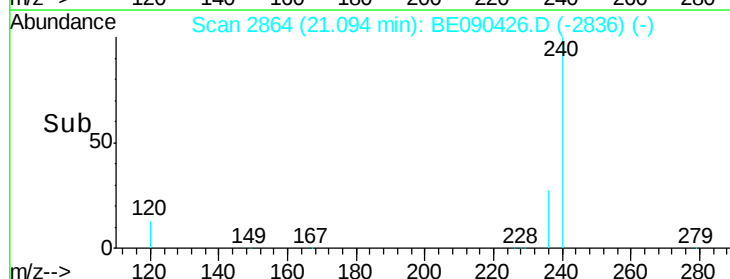
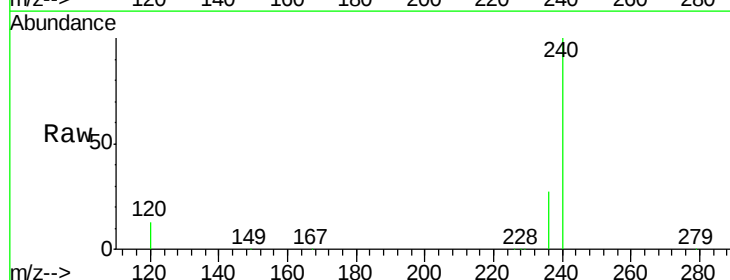
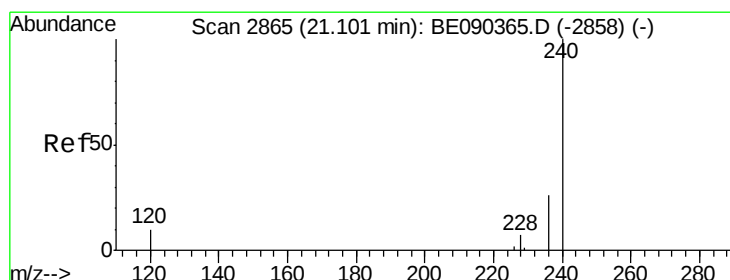
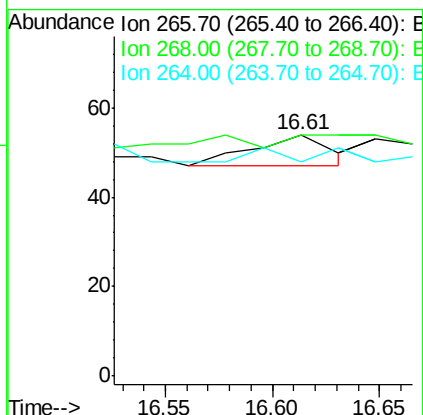
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

264 88.9 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: BE090426.D

Acq: 11 Aug 2015 6:28

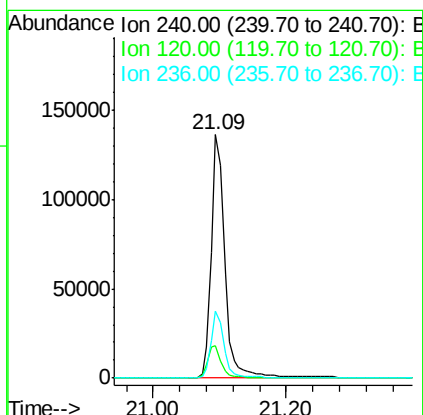
Tgt Ion:240 Resp: 191577

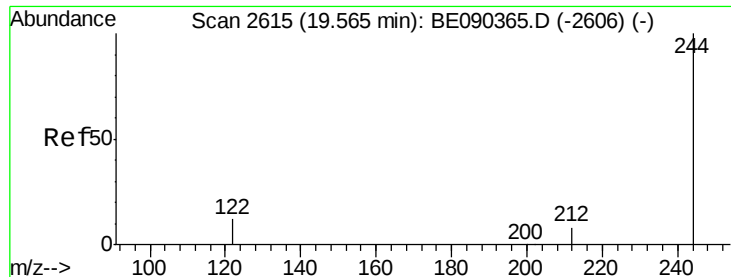
Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

236 27.5 21.0 31.4





#27

Terphenyl-d14

Concen: 4.95 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

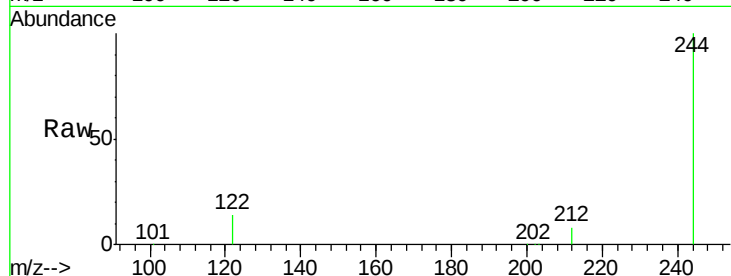
Tgt Ion:244 Resp: 139796

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

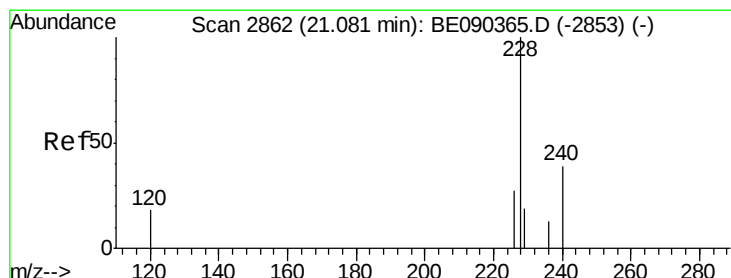
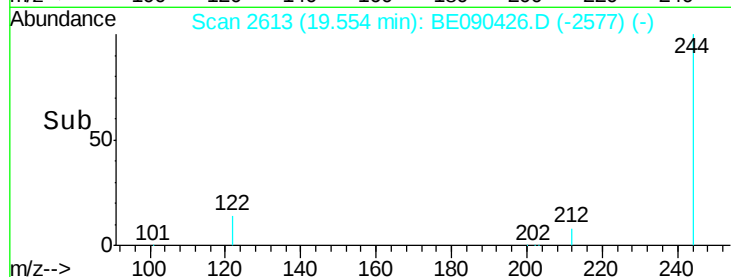
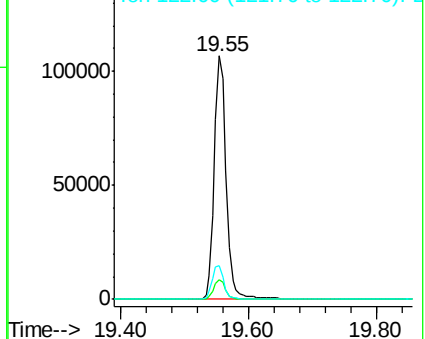
122 13.6 10.2 15.4



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



#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

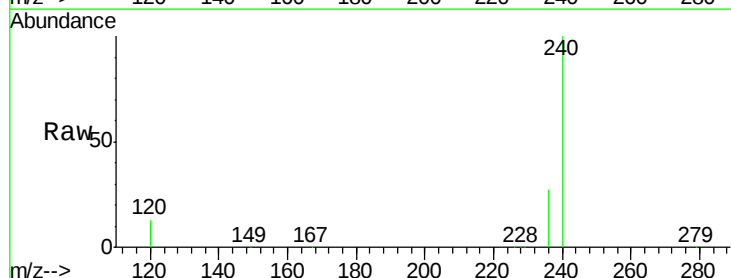
Tgt Ion:228 Resp: 960

Ion Ratio Lower Upper

228 100

226 24.7 21.9 32.9

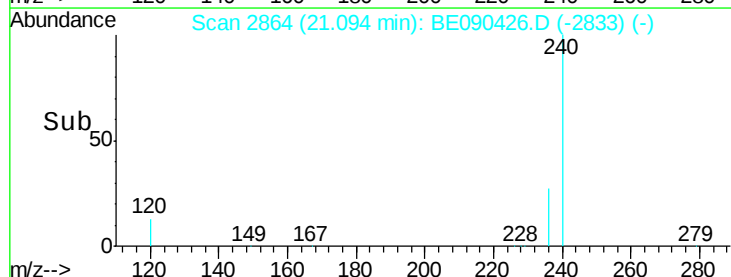
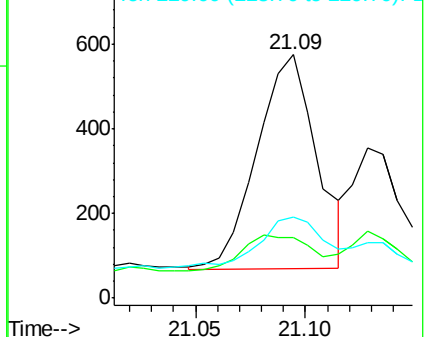
229 33.4 15.4 23.0#

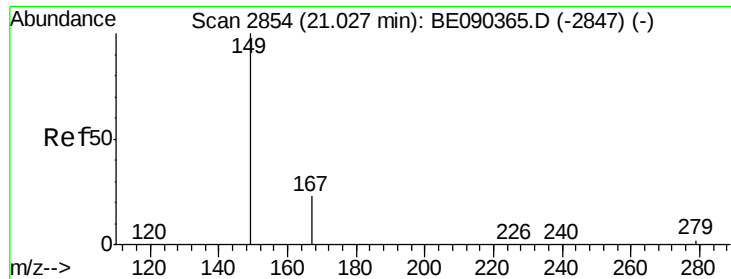


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

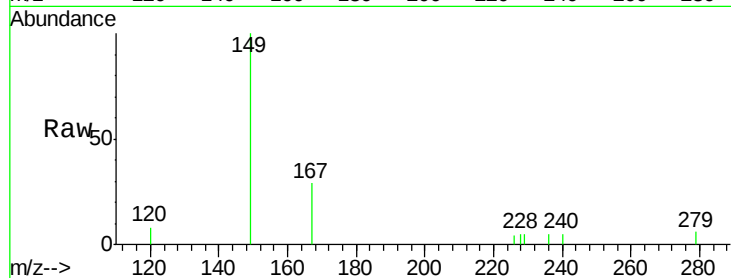




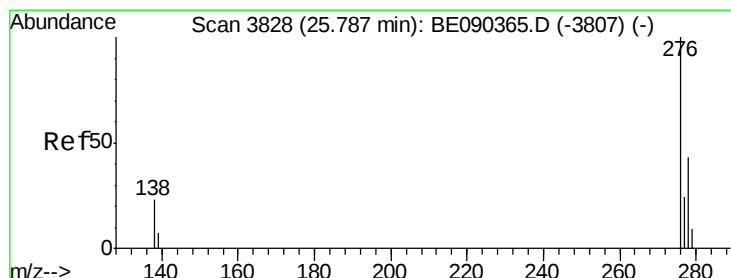
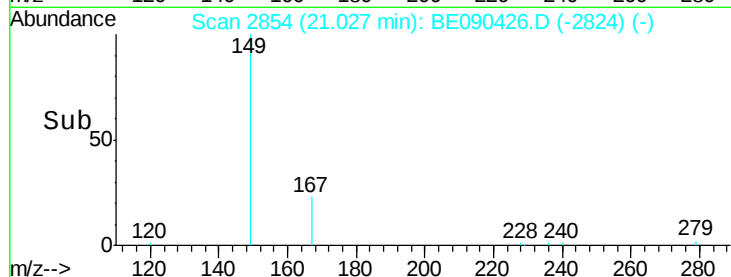
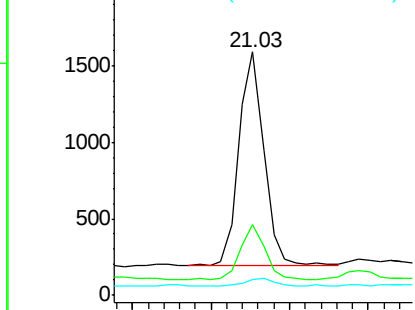
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-B

Tgt Ion: 149 Resp: 1567
 Ion Ratio Lower Upper
 149 100
 167 26.0 19.8 29.8
 279 3.6 2.4 3.6#

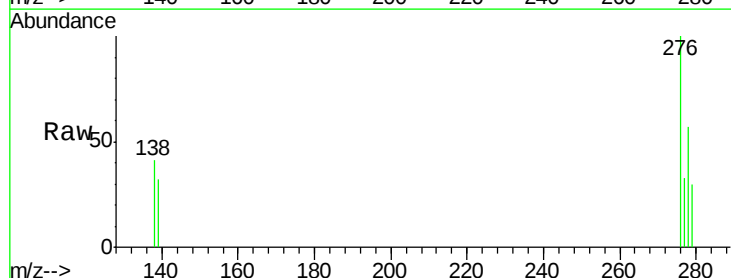


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

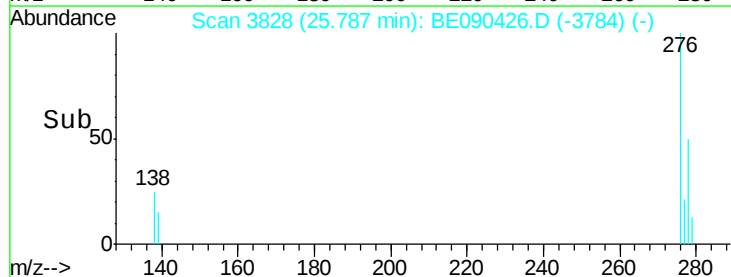
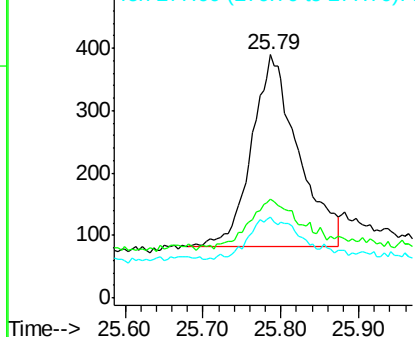


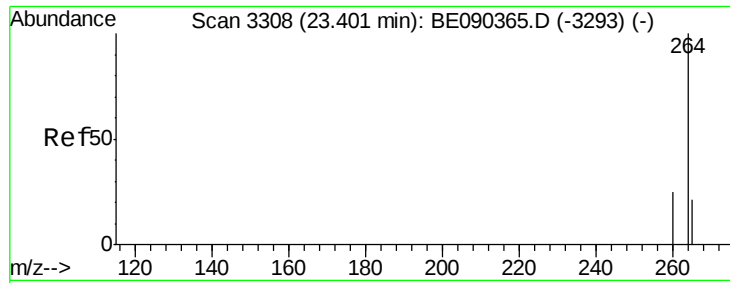
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.28 ng
 RT: 25.79 min Scan# 3828
 Delta R.T. 0.00 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

Tgt Ion: 276 Resp: 1263
 Ion Ratio Lower Upper
 276 100
 138 29.0 18.8 28.2#
 277 11.6 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

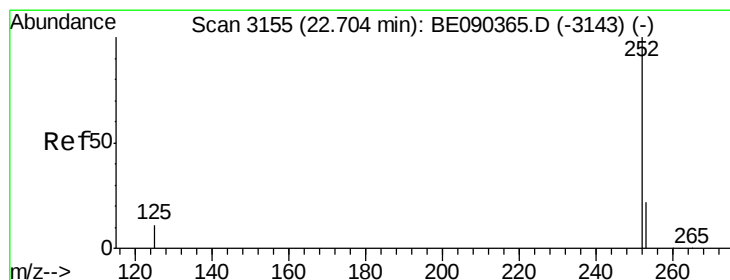
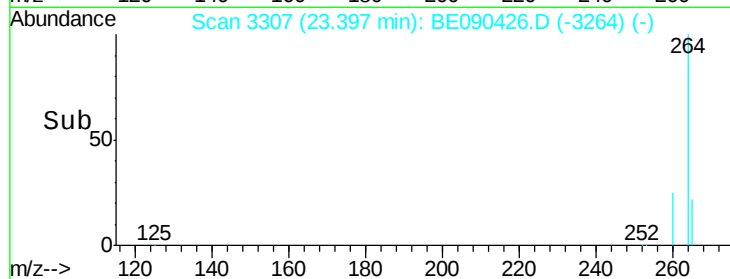
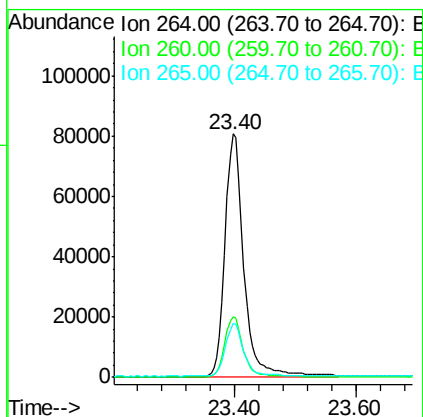
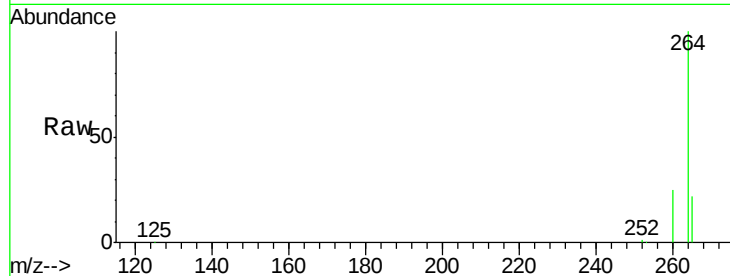




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

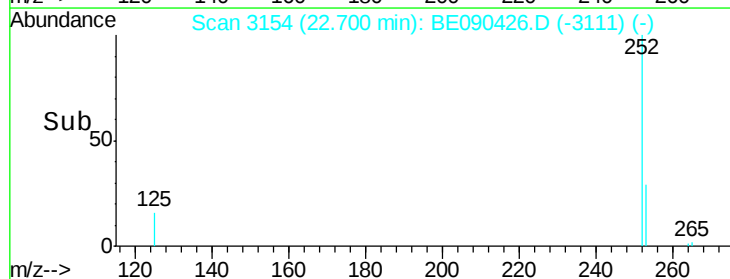
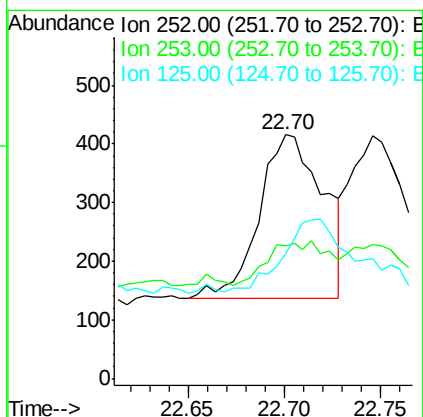
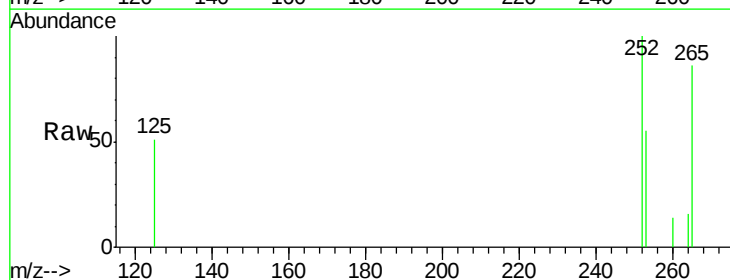
Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-B

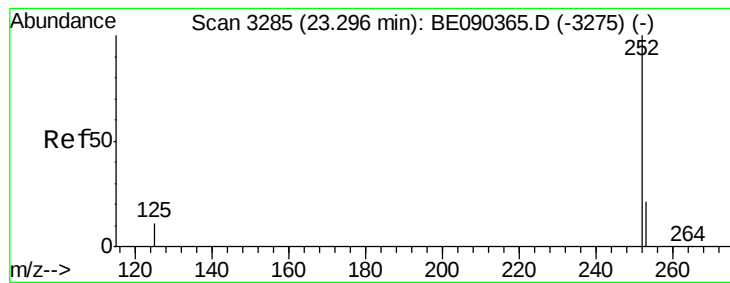
Tgt Ion: 264 Resp: 176301
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 22.0 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.21 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090426.D
 Acq: 11 Aug 2015 6:28

Tgt Ion: 252 Resp: 647
 Ion Ratio Lower Upper
 252 100
 253 54.6 18.1 27.1#
 125 51.2 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B

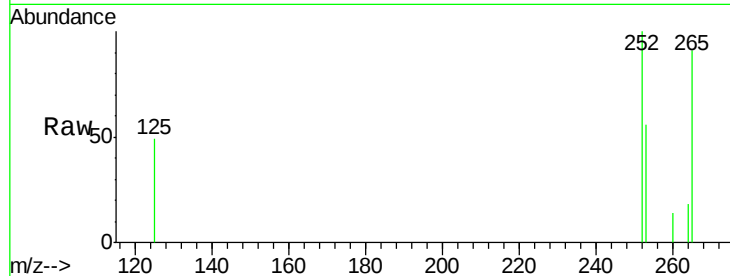
Tgt Ion: 252 Resp: 738

Ion Ratio Lower Upper

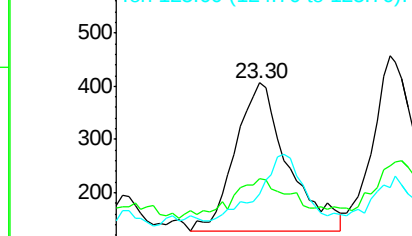
252 100

253 55.7 17.6 26.4#

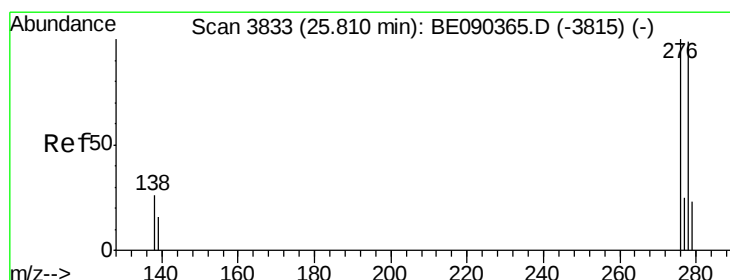
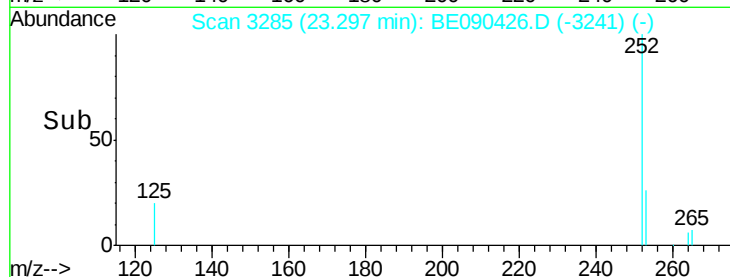
125 48.8 9.8 14.6#



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



Time--> 23.20 23.25 23.30 23.35



#36

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 25.81 min Scan# 3834

Delta R.T. 0.00 min

Lab File: BE090426.D

Acq: 11 Aug 2015 6:28

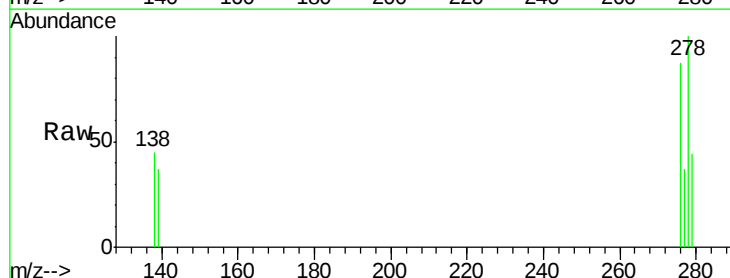
Tgt Ion: 278 Resp: 1107

Ion Ratio Lower Upper

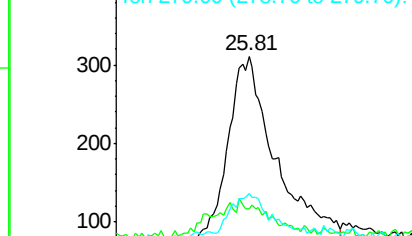
278 100

139 37.3 14.2 21.4#

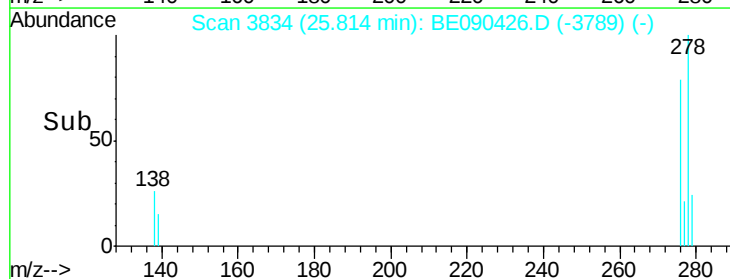
279 44.1 20.1 30.1#

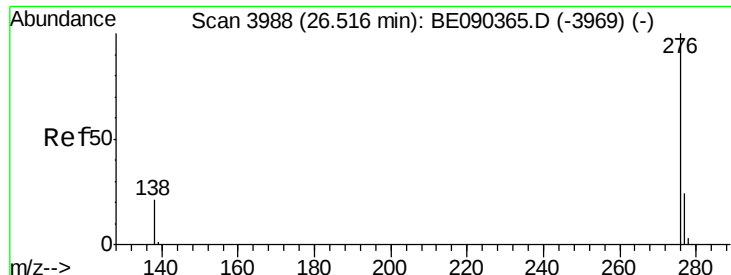


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 25.70 25.80 25.90 26.00





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.52 min Scan# 3989

Delta R.T. 0.00 min

Lab File: BE090426.D

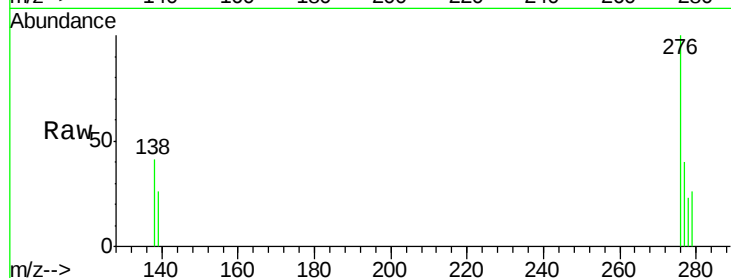
Acq: 11 Aug 2015 6:28

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-B



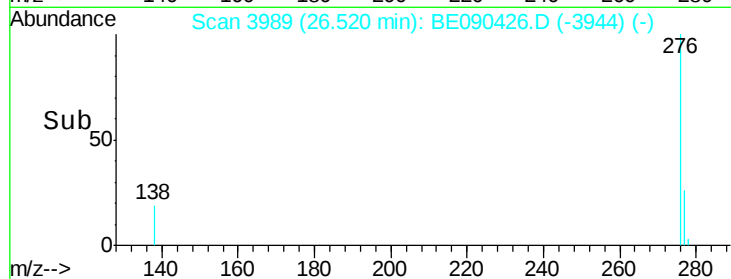
Tgt Ion: 276 Resp: 1047

Ion Ratio Lower Upper

276 100

277 40.1 20.1 30.1#

138 40.7 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

26.52

300

200

100

0

Time-->