

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090510.D
 Acq On : 13 Aug 2015 21:17
 Operator : UM/IZ
 Sample : G3280-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-U-B

Quant Time: Aug 14 04:35:12 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	24096	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	120130	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	65767	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	145460	5.00	ng	0.00
25) Chrysene-d12	21.09	240	148792	5.00	ng	0.00
32) Perylene-d12	23.40	264	135489	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	22549	6.24	ng	0.00
5) Phenol-d6	6.77	99	21450	2.90	ng	0.00
7) Nitrobenzene-d5	8.72	82	33601	3.50	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	22220	9.91	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	68223	3.77	ng	0.00
27) Terphenyl-d14	19.55	244	103606	4.73	ng	-0.01

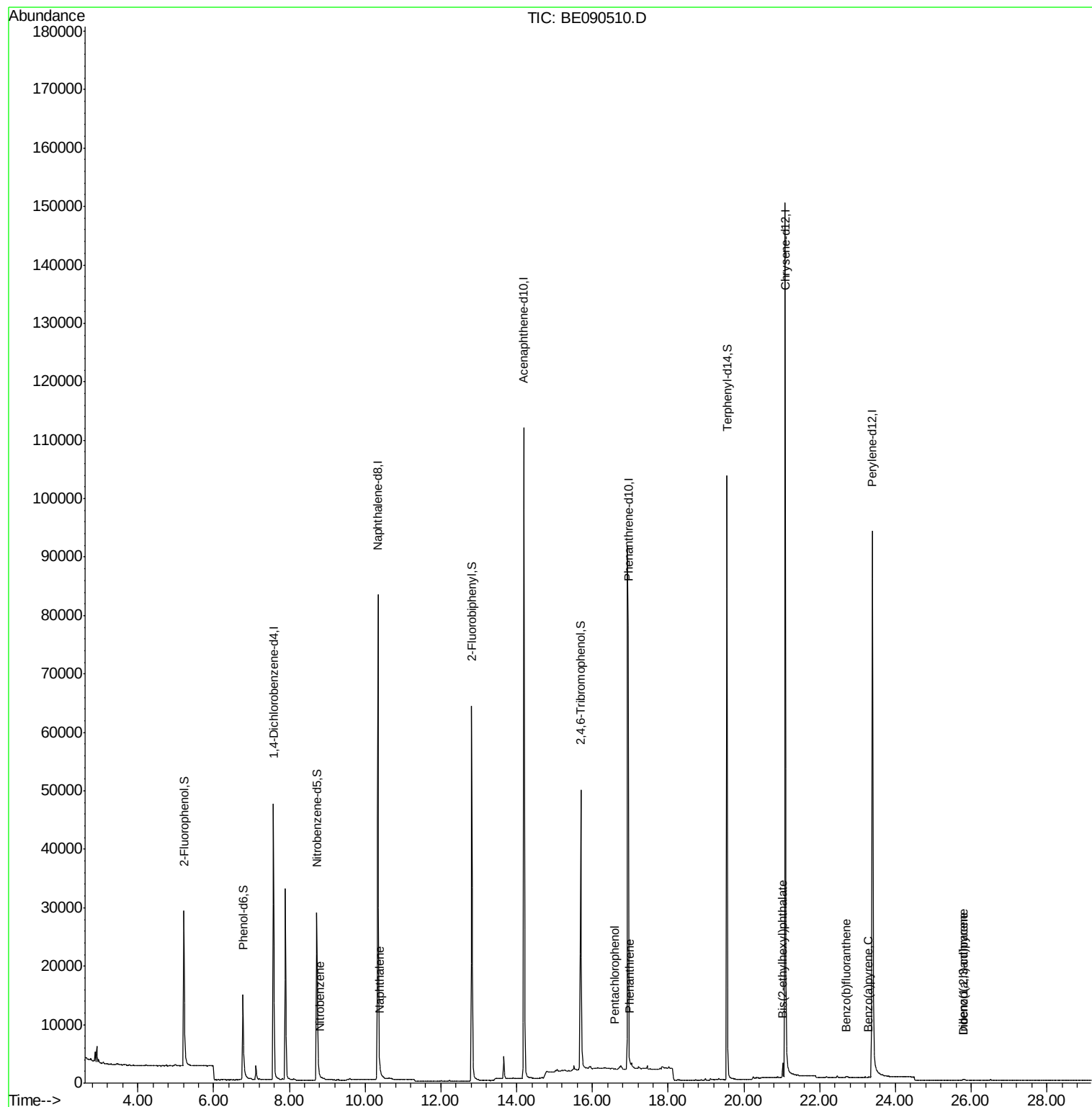
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	27	Below Cal	#	26
8) Nitrobenzene	8.82	77	10	0.21 ng	#	52
9) Naphthalene	10.38	128	675	0.03 ng	#	42
10) Hexachlorobutadiene	10.69	225	2	Below Cal	#	19
21) Pentachlorophenol	16.60	266	27	0.12 ng	#	67
22) Phenanthrene	16.98	178	841	0.02 ng	#	69
30) Bis(2-ethylhexyl)phthalate	21.03	149	2263	0.39 ng		98
31) Indeno(1,2,3-cd)pyrene	25.79	276	239	0.26 ng	#	78
33) Benzo(b)fluoranthene	22.69	252	184	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	178	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	174	0.29 ng	#	1

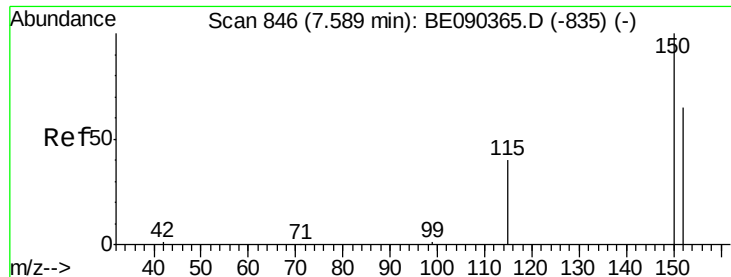
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

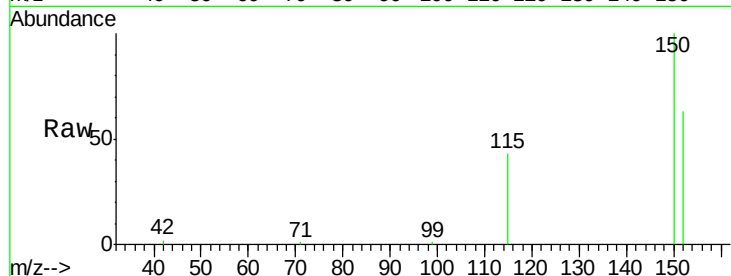
Tgt Ion: 152 Resp: 24096

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

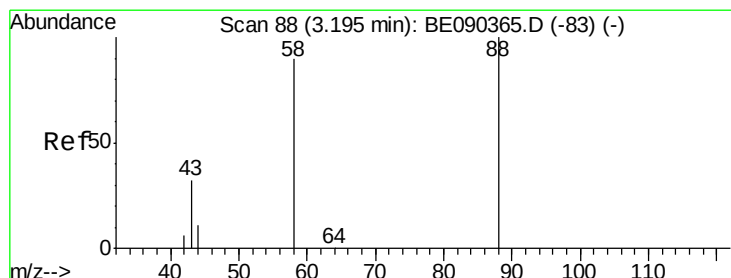
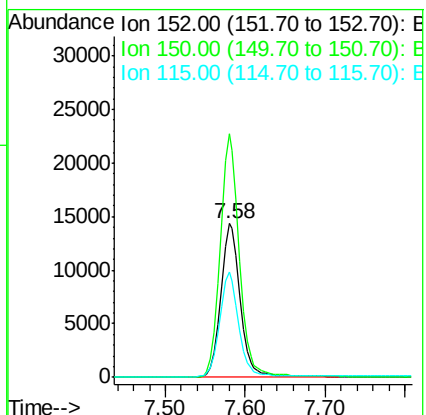
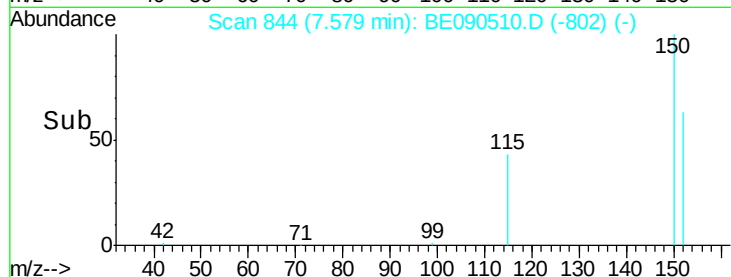
115 68.5 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.35 min Scan# 111

Delta R.T. 0.16 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

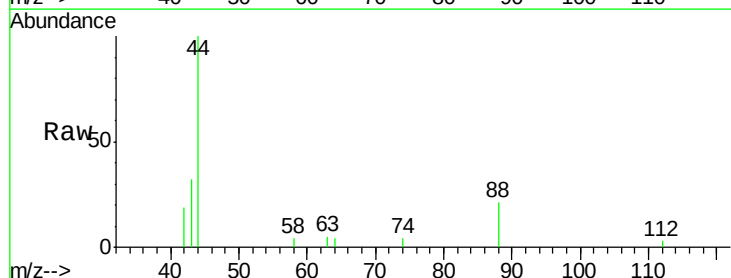
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

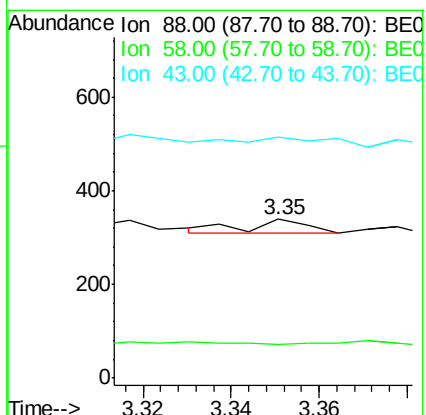
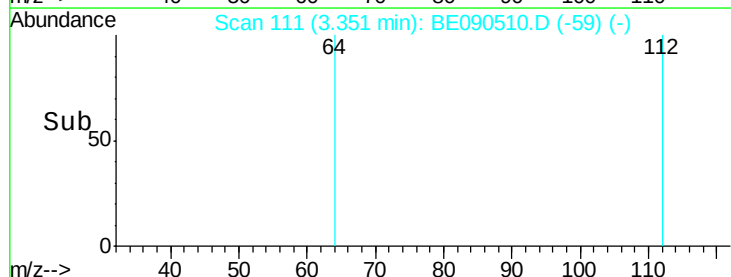
43 22.2 28.4 42.6#

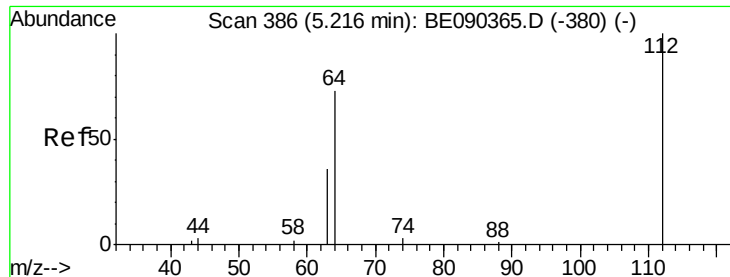


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

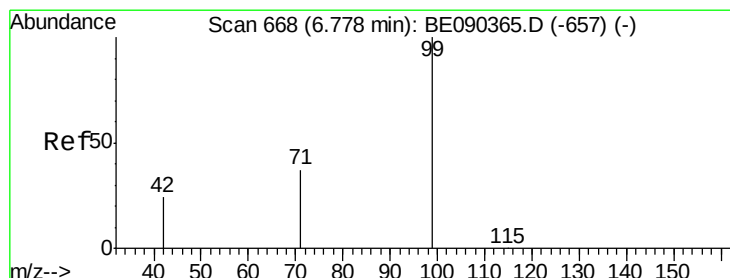
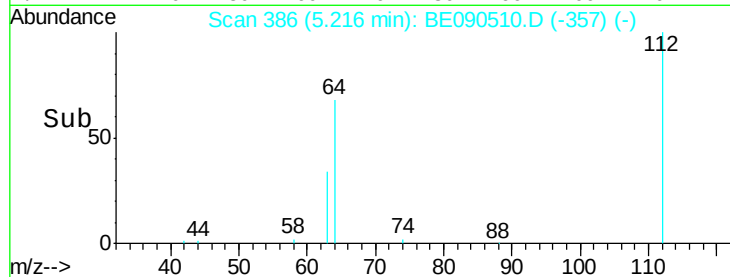
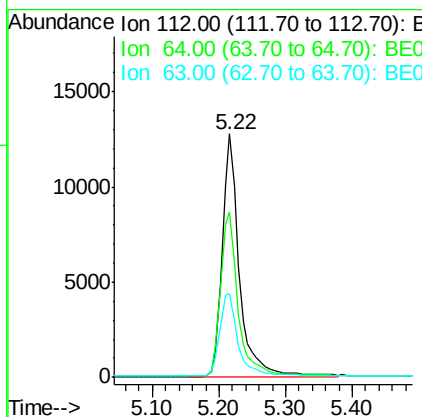
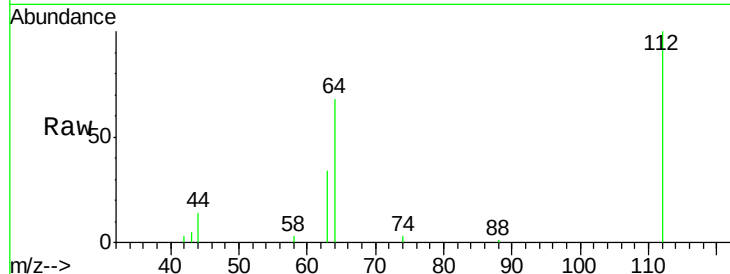




#4
 2-Fluorophenol
 Concen: 6.24 ng
 RT: 5.22 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

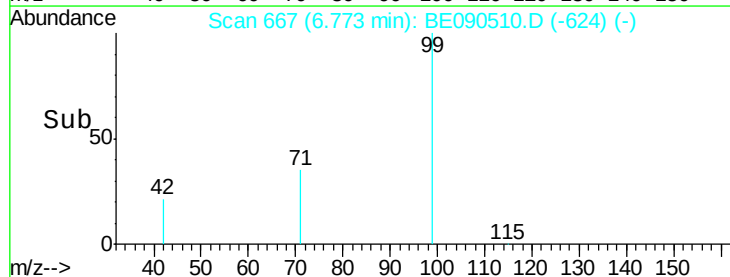
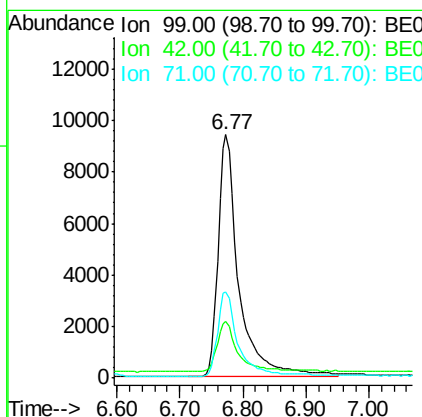
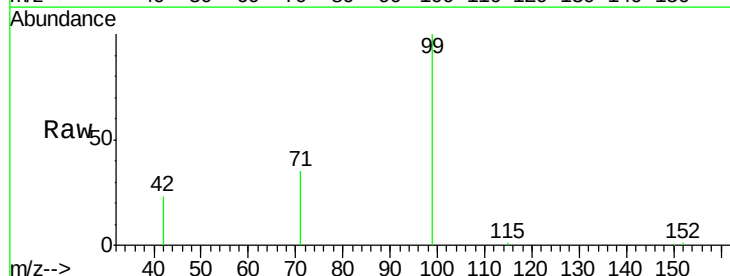
Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-U-B

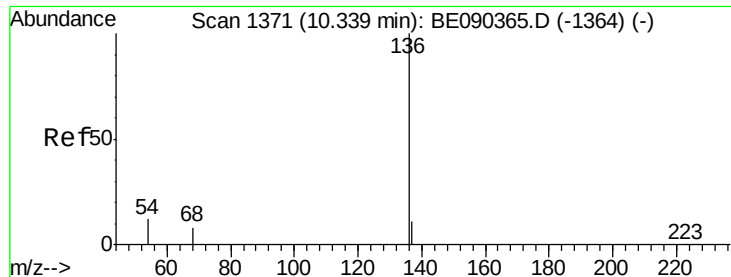
Tgt Ion:	112	Resp:	22549
Ion	Ratio	Lower	Upper
112	100		
64	70.0	37.1	55.7#
63	36.1	19.5	29.3#



#5
 Phenol-d6
 Concen: 2.90 ng
 RT: 6.77 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

Tgt Ion:	99	Resp:	21450
Ion	Ratio	Lower	Upper
99	100		
42	19.9	18.2	27.4
71	35.2	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: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

Tgt Ion: 136 Resp: 120130

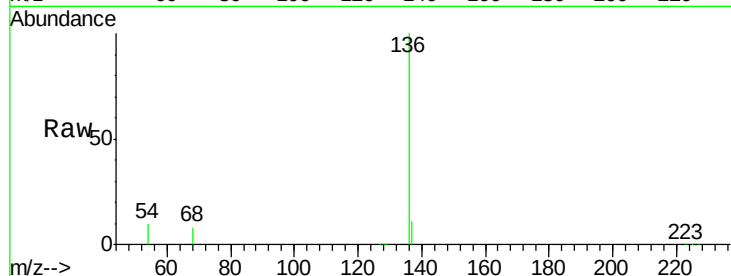
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.2 9.4 14.0

68 7.6 6.5 9.7

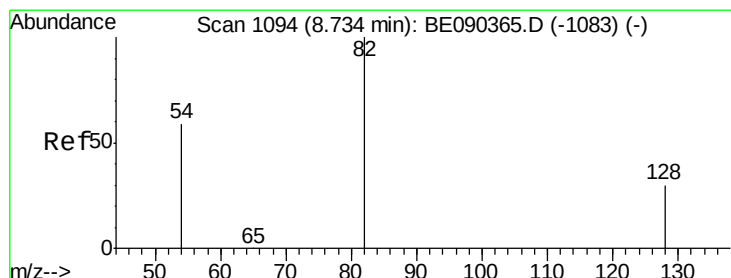
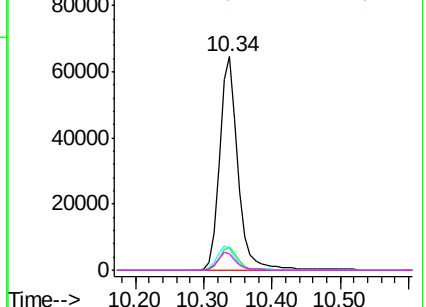
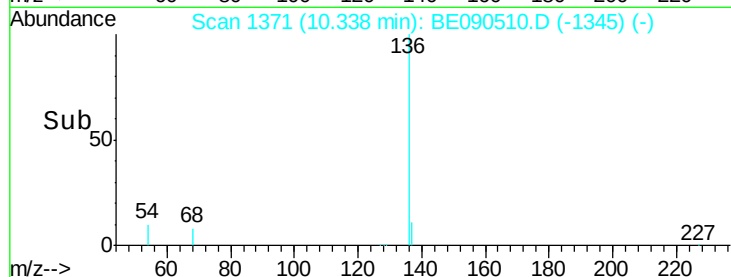


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 3.50 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

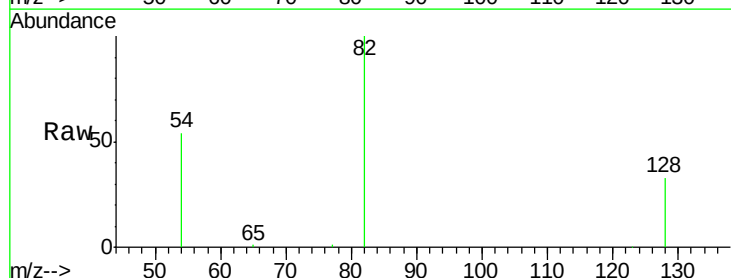
Tgt Ion: 82 Resp: 33601

Ion Ratio Lower Upper

82 100

128 33.4 25.0 37.6

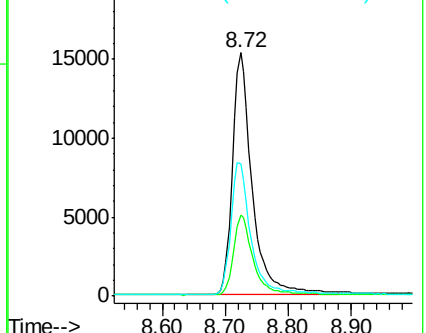
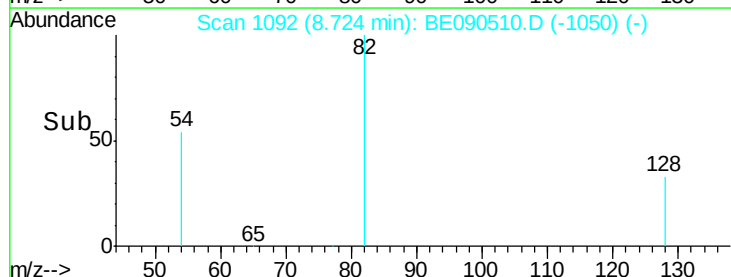
54 54.2 48.8 73.2

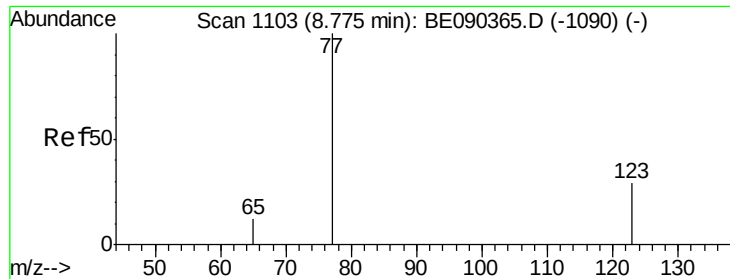


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.82 min Scan# 1113

Delta R.T. 0.05 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

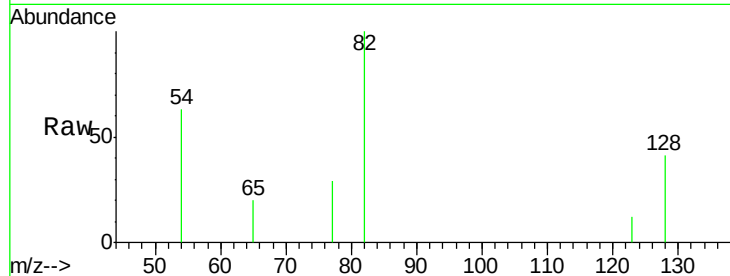
Tgt Ion: 77 Resp: 10

Ion Ratio Lower Upper

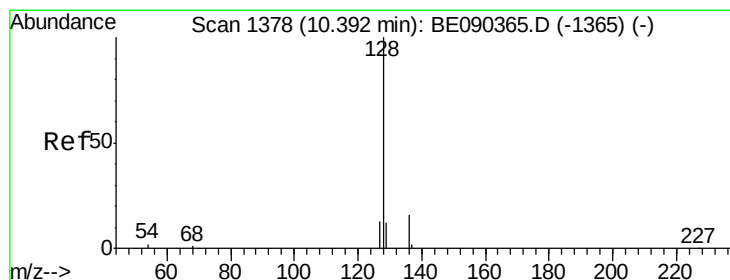
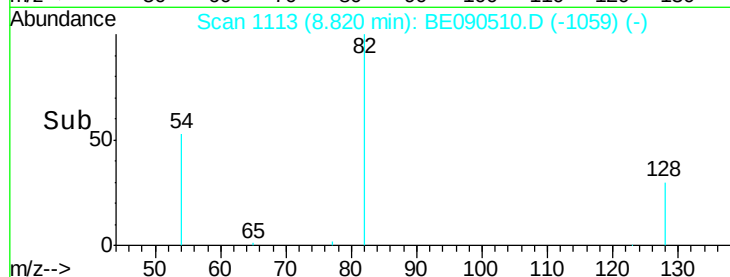
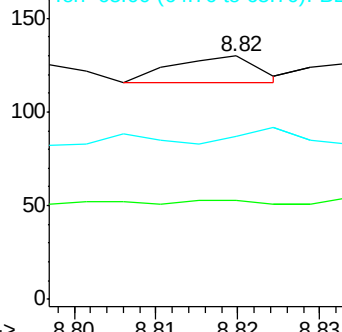
77 100

123 10.0 25.1 37.7#

65 40.0 9.3 13.9#



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



#9

Naphthalene

Concen: 0.03 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

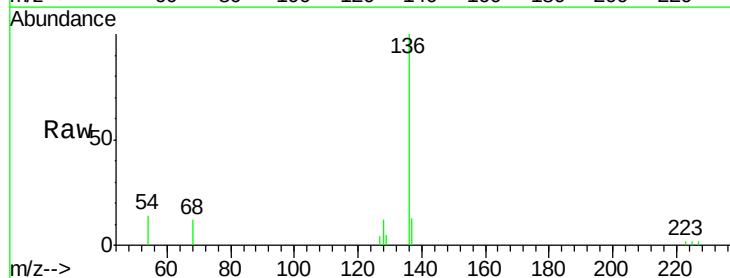
Tgt Ion: 128 Resp: 675

Ion Ratio Lower Upper

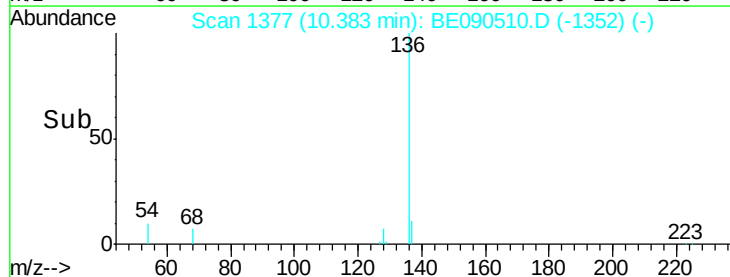
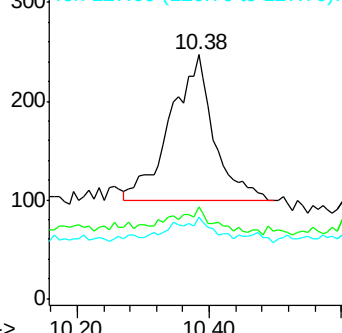
128 100

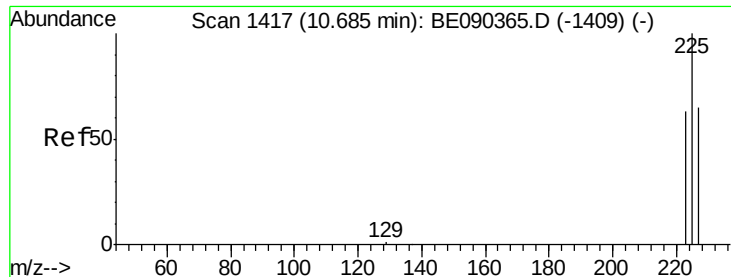
129 37.7 9.8 14.6#

127 33.6 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.69 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

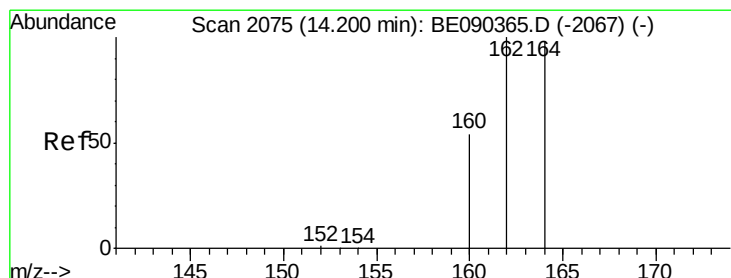
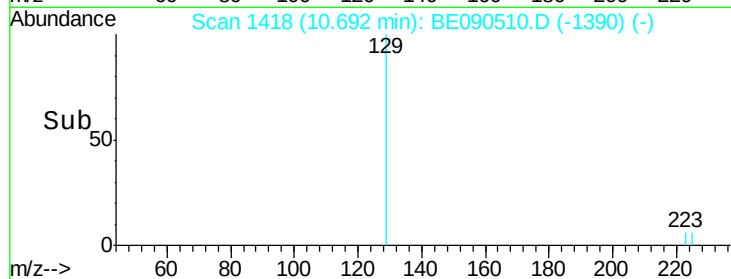
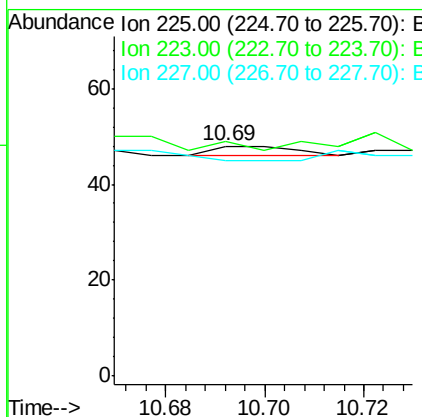
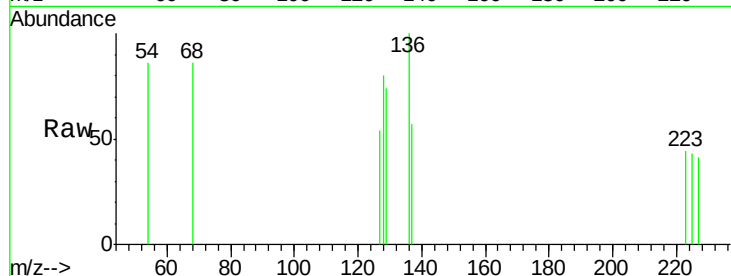
Instrument :

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ClientSampleId :

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Tgt Ion:	225	Resp:	2
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	0.0	50.7	76.1#



#12

Acenaphthene-d10

Concen: 5.00 ng

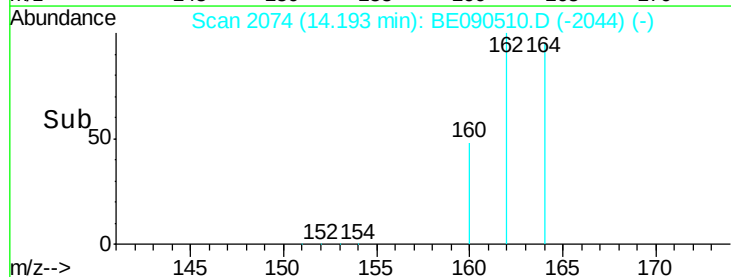
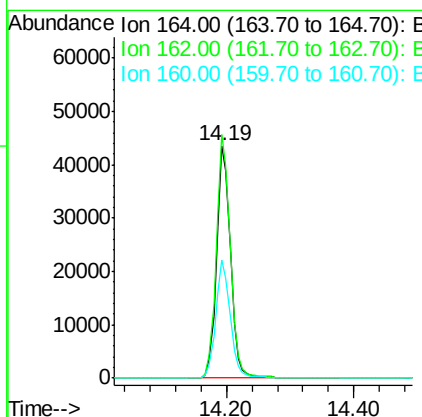
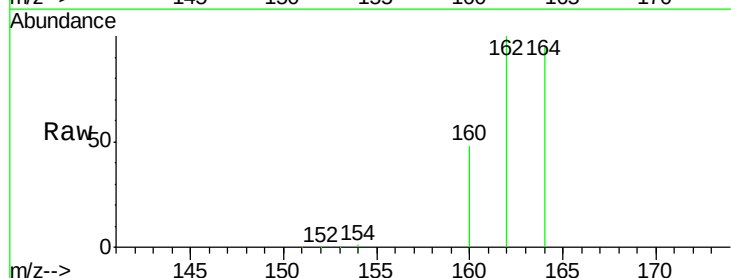
RT: 14.19 min Scan# 2074

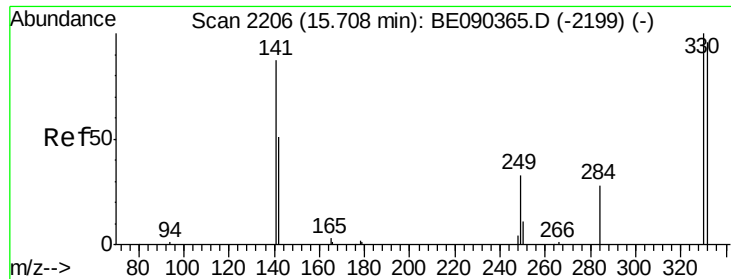
Delta R.T. -0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Tgt Ion:	164	Resp:	65767
Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.8	122.8
160	50.8	44.2	66.4

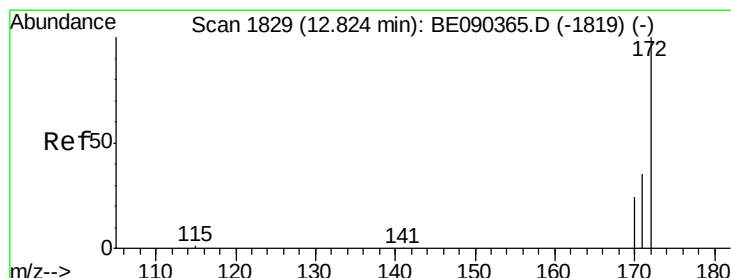
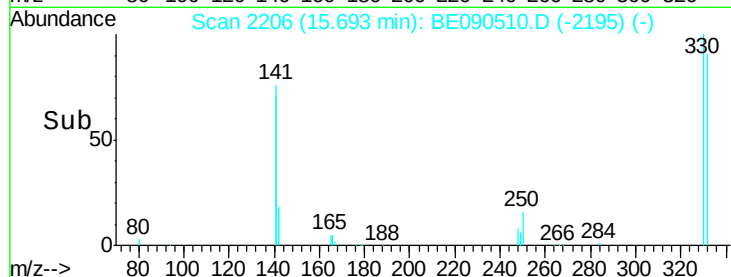
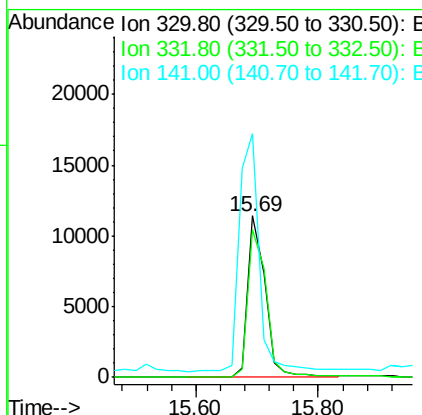
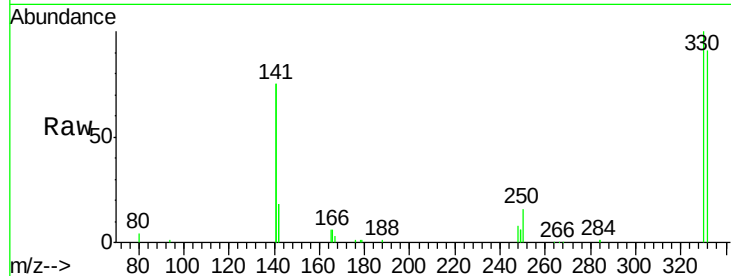




#13
 2,4,6-Tribromophenol
 Concen: 9.91 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

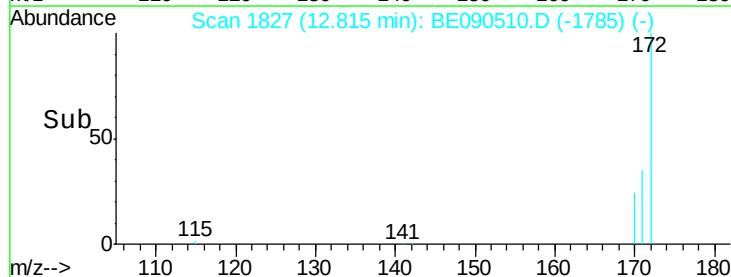
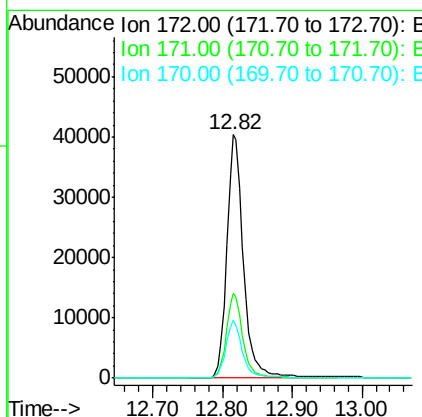
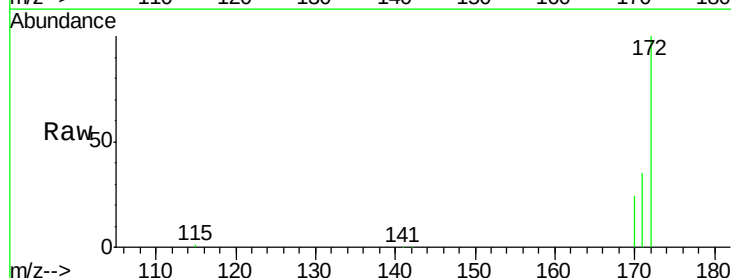
Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-U-B

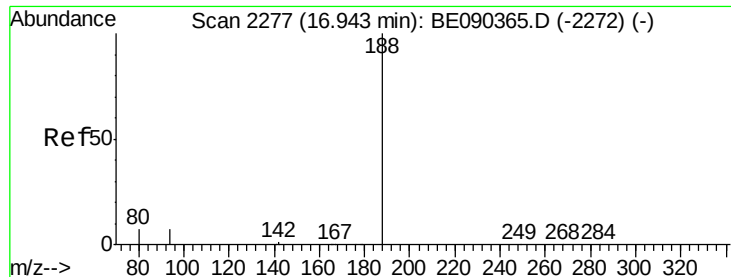
Tgt Ion: 330 Resp: 22220
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 169.5 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 3.77 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

Tgt Ion: 172 Resp: 68223
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.5 42.7
 170 23.9 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.95 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

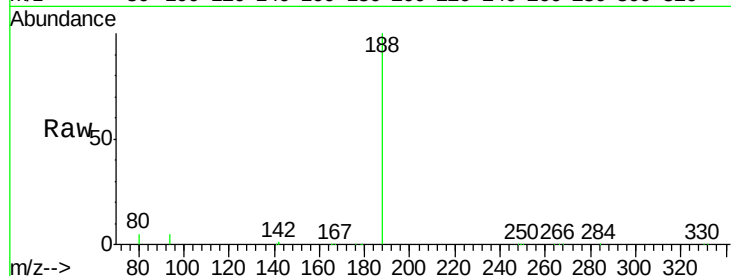
Tgt Ion:188 Resp: 145460

Ion Ratio Lower Upper

188 100

94 4.9 5.7 8.5#

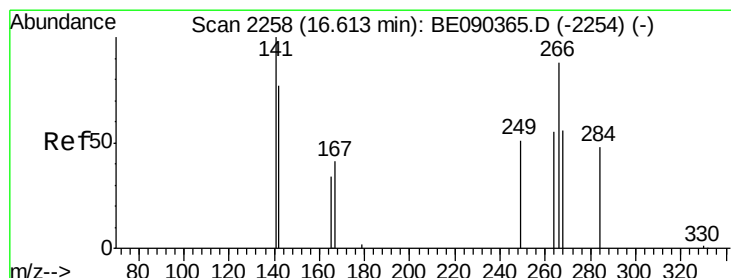
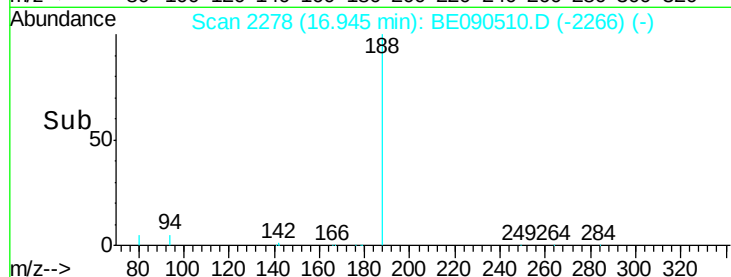
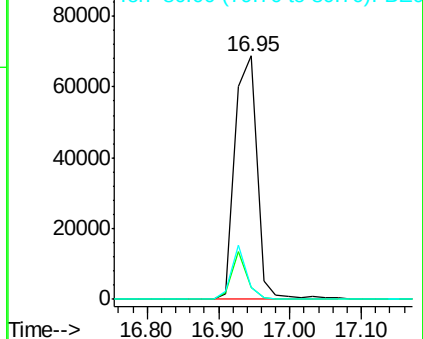
80 4.9 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

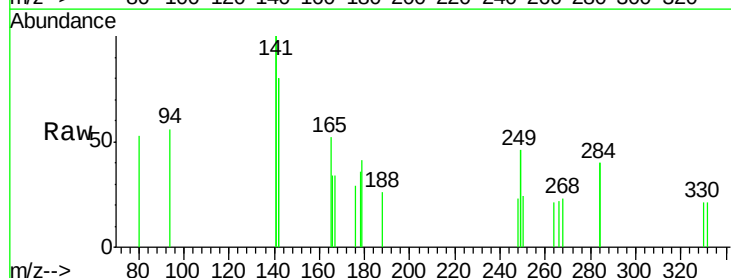
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

268 103.8 58.5 87.7#

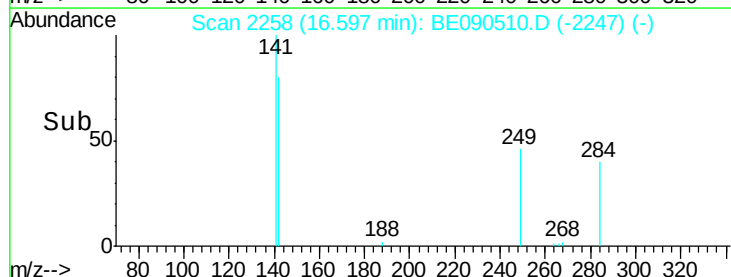
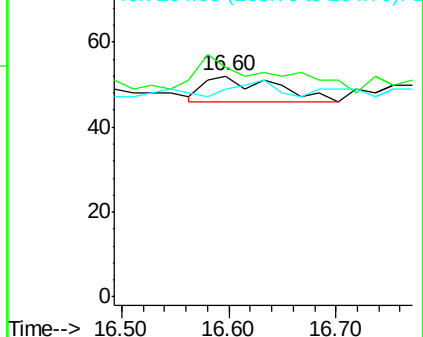
264 94.2 56.0 84.0#

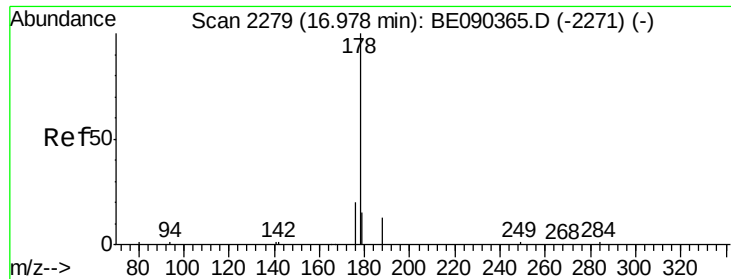


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

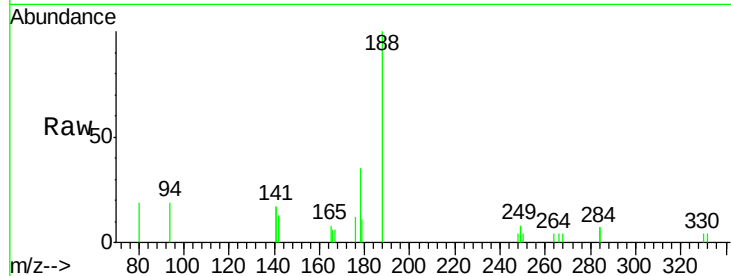
Tgt Ion:178 Resp: 841

Ion Ratio Lower Upper

178 100

176 22.6 15.4 23.2

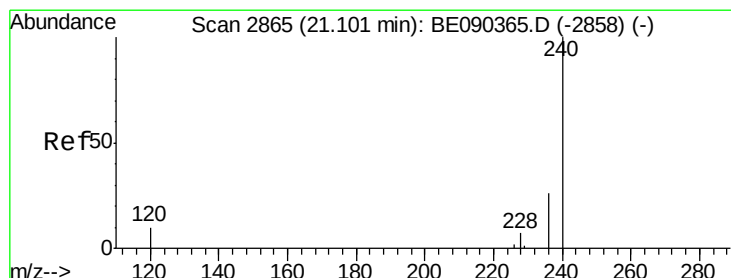
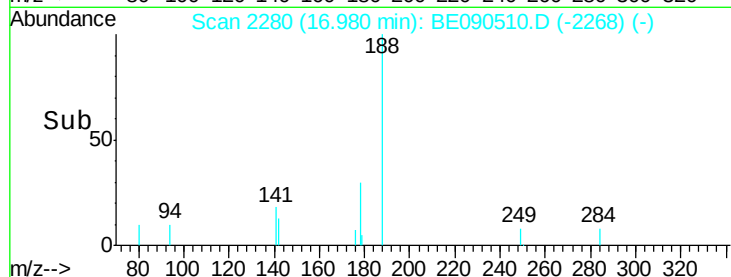
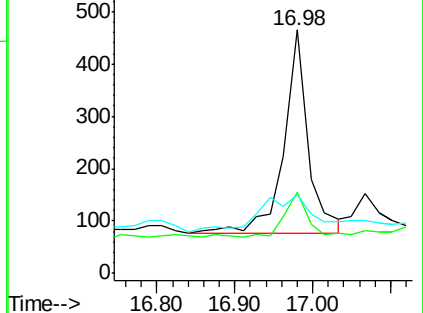
179 40.5 12.5 18.7#



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: BE090510.D

Acq: 13 Aug 2015 21:17

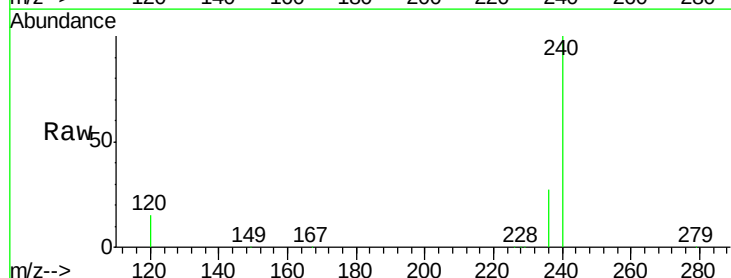
Tgt Ion:240 Resp: 148792

Ion Ratio Lower Upper

240 100

120 14.6 8.3 12.5#

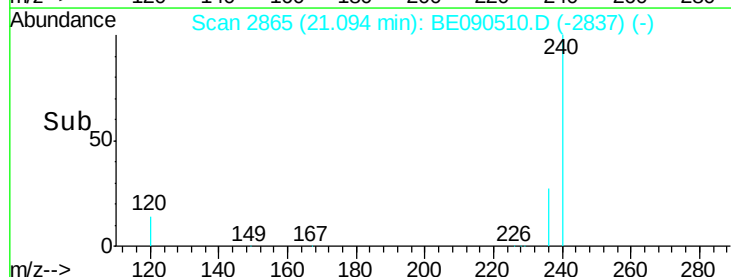
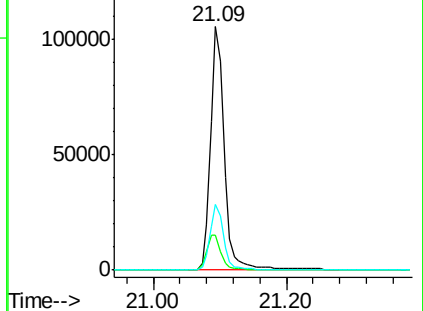
236 27.2 21.0 31.4

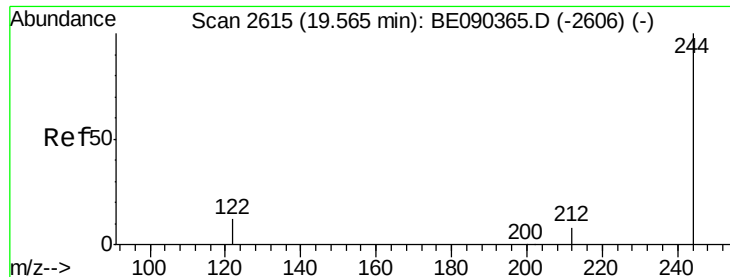


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

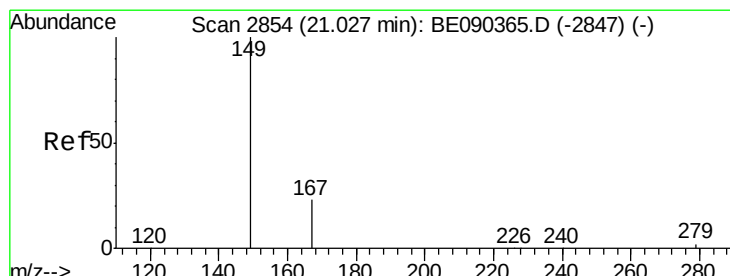
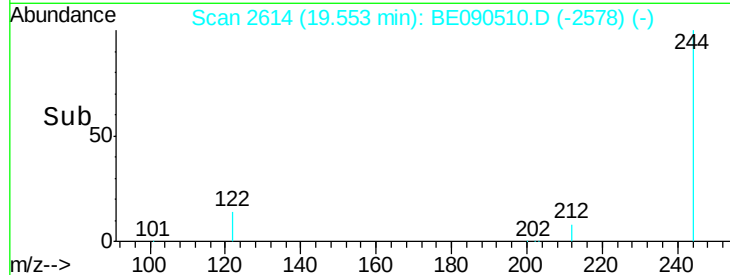
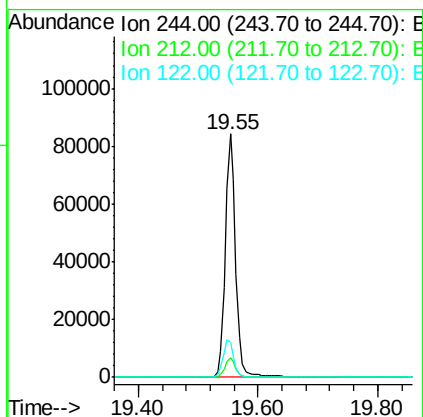
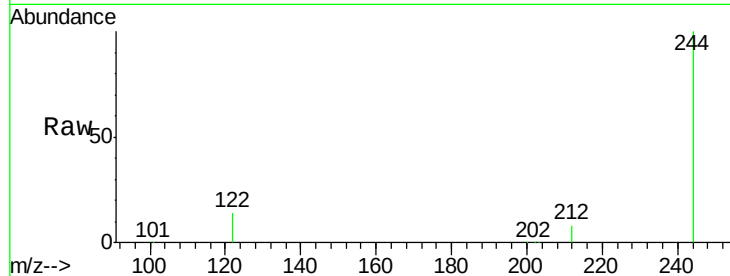




#27
 Terphenyl-d14
 Concen: 4.73 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

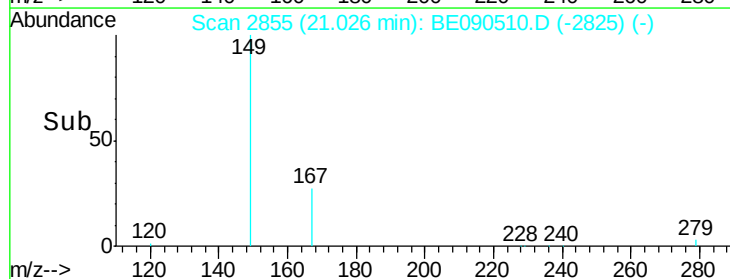
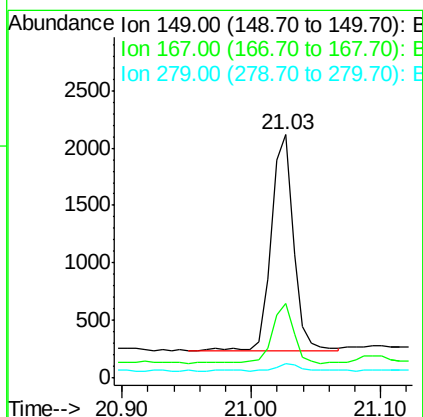
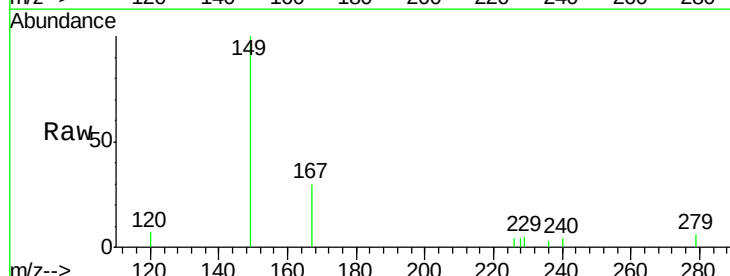
Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-U-B

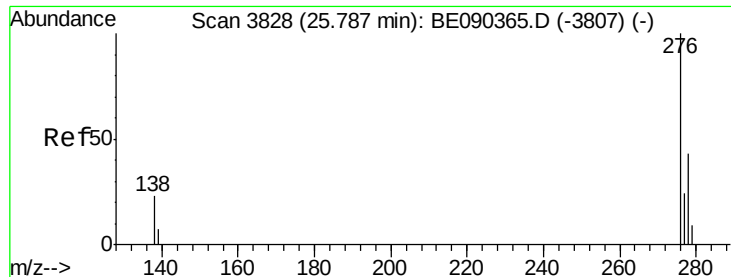
Tgt Ion: 244 Resp: 103606
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 14.3 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.03 min Scan# 2855
 Delta R.T. 0.00 min
 Lab File: BE090510.D
 Acq: 13 Aug 2015 21:17

Tgt Ion: 149 Resp: 2263
 Ion Ratio Lower Upper
 149 100
 167 25.5 19.8 29.8
 279 3.6 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.79 min Scan# 3830

Delta R.T. 0.00 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B

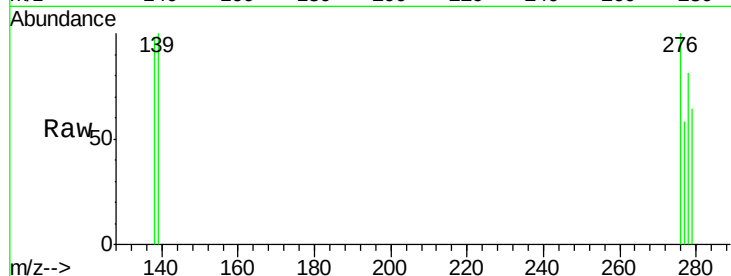
Tgt Ion: 276 Resp: 239

Ion Ratio Lower Upper

276 100

138 4.2 18.8 28.2#

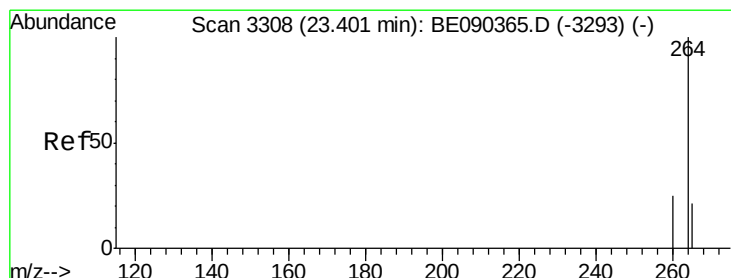
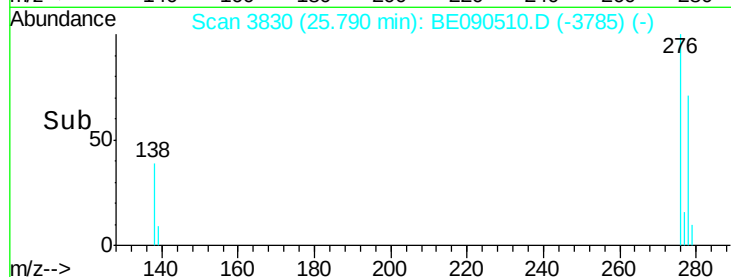
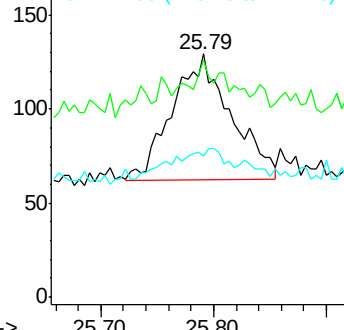
277 20.9 18.2 27.4



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: BE090510.D

Acq: 13 Aug 2015 21:17

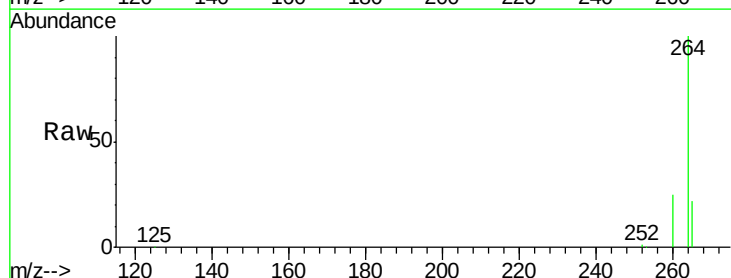
Tgt Ion: 264 Resp: 135489

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

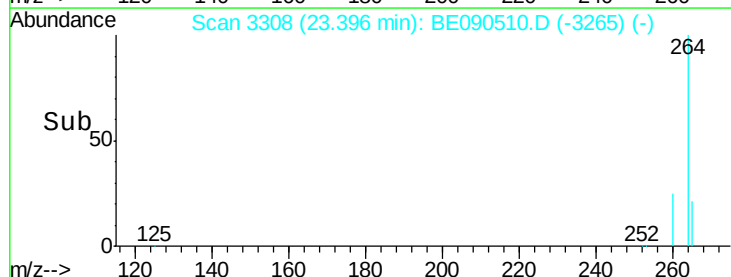
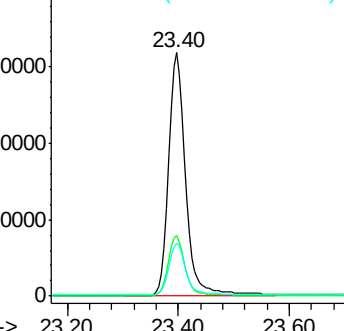
265 21.8 17.2 25.8

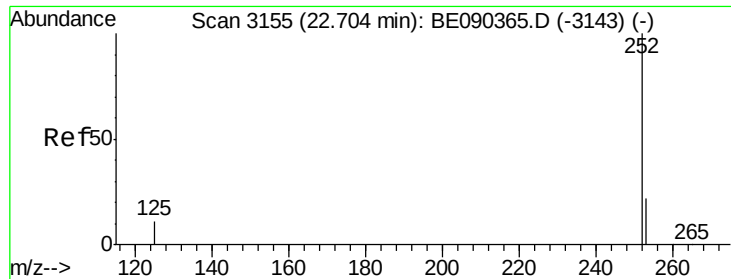


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.69 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Instrument :

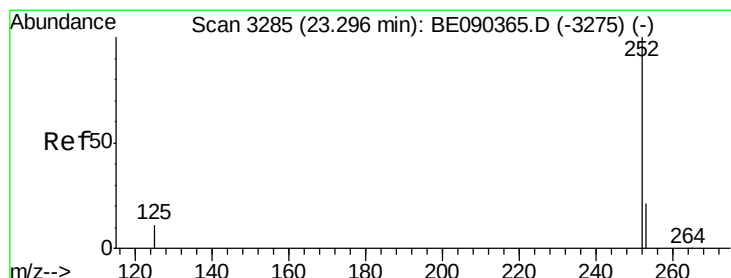
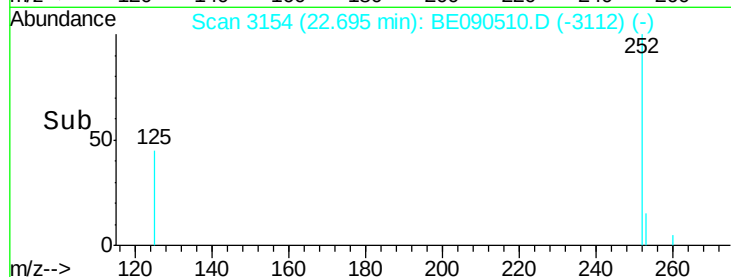
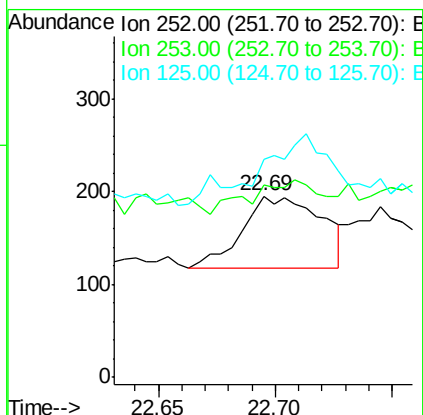
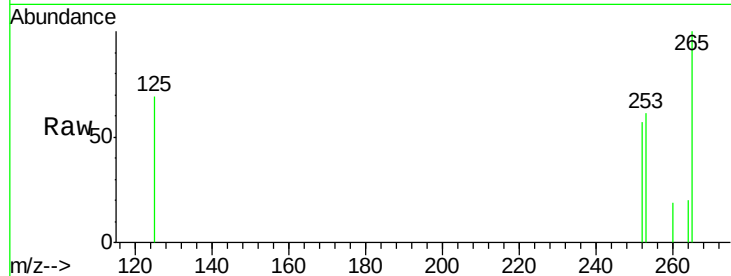
BNA_E

ClientSampleId :

081215-D534-F-U-B

Tgt Ion: 252 Resp: 184

Ion	Ratio	Lower	Upper
252	100		
253	106.2	18.1	27.1#
125	120.5	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

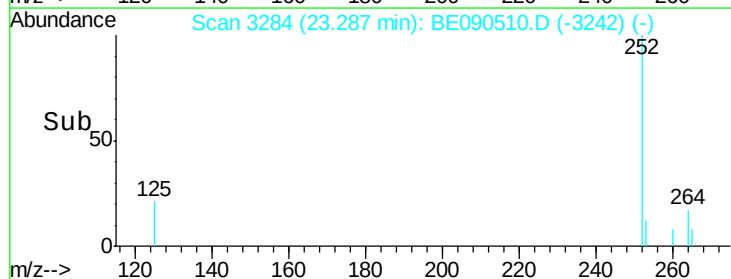
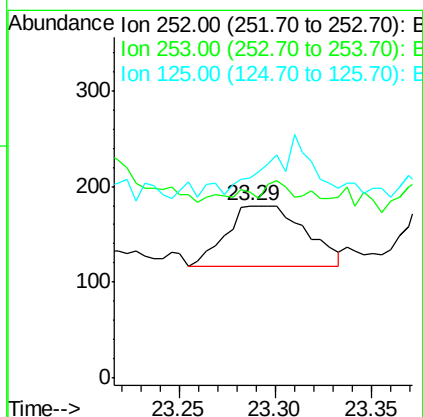
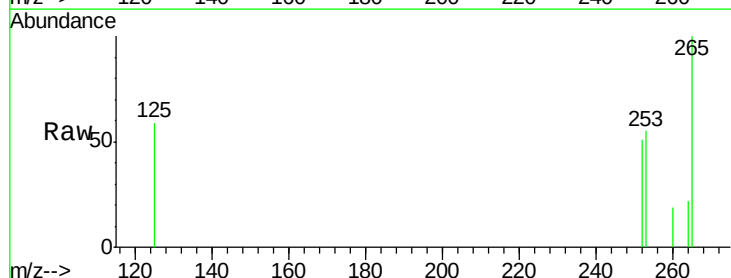
Delta R.T. -0.01 min

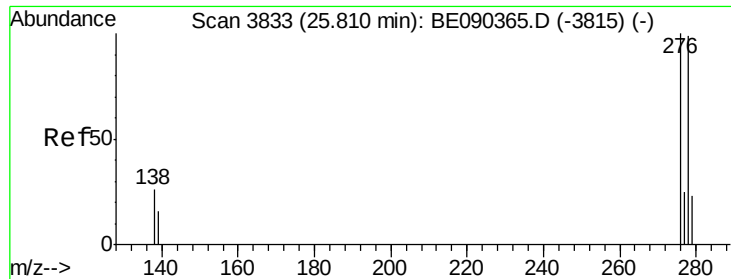
Lab File: BE090510.D

Acq: 13 Aug 2015 21:17

Tgt Ion: 252 Resp: 178

Ion	Ratio	Lower	Upper
252	100		
253	107.8	17.6	26.4#
125	116.1	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090510.D

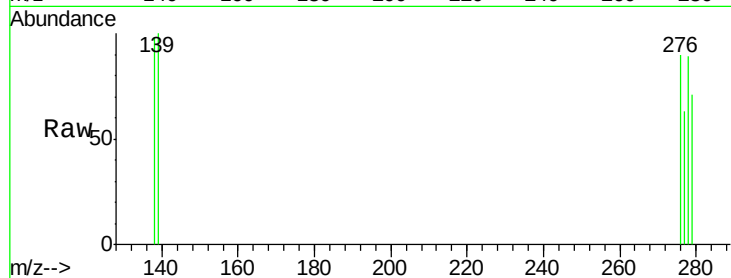
Acq: 13 Aug 2015 21:17

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-U-B



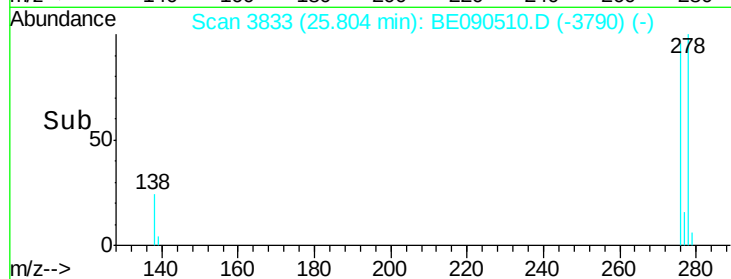
Tgt Ion: 278 Resp: 174

Ion Ratio Lower Upper

278 100

139 111.9 14.2 21.4#

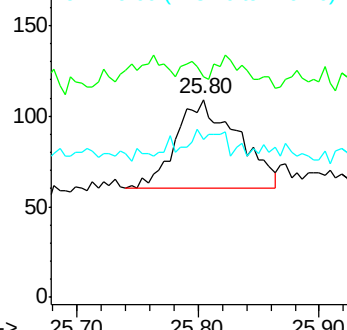
279 79.8 20.1 30.1#



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-->