

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090506.D
 Acq On : 13 Aug 2015 18:50
 Operator : UM/IZ
 Sample : G3279-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 14 04:34:08 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	22206	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	111216	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	61002	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	133240	5.00	ng	0.00
25) Chrysene-d12	21.09	240	143136	5.00	ng	0.00
32) Perylene-d12	23.40	264	131405	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	19181	5.76	ng	0.00
5) Phenol-d6	6.77	99	18008	2.66	ng	0.00
7) Nitrobenzene-d5	8.73	82	30902	3.48	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	22573	10.51	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	64069	3.82	ng	0.00
27) Terphenyl-d14	19.55	244	106981	5.07	ng	-0.01

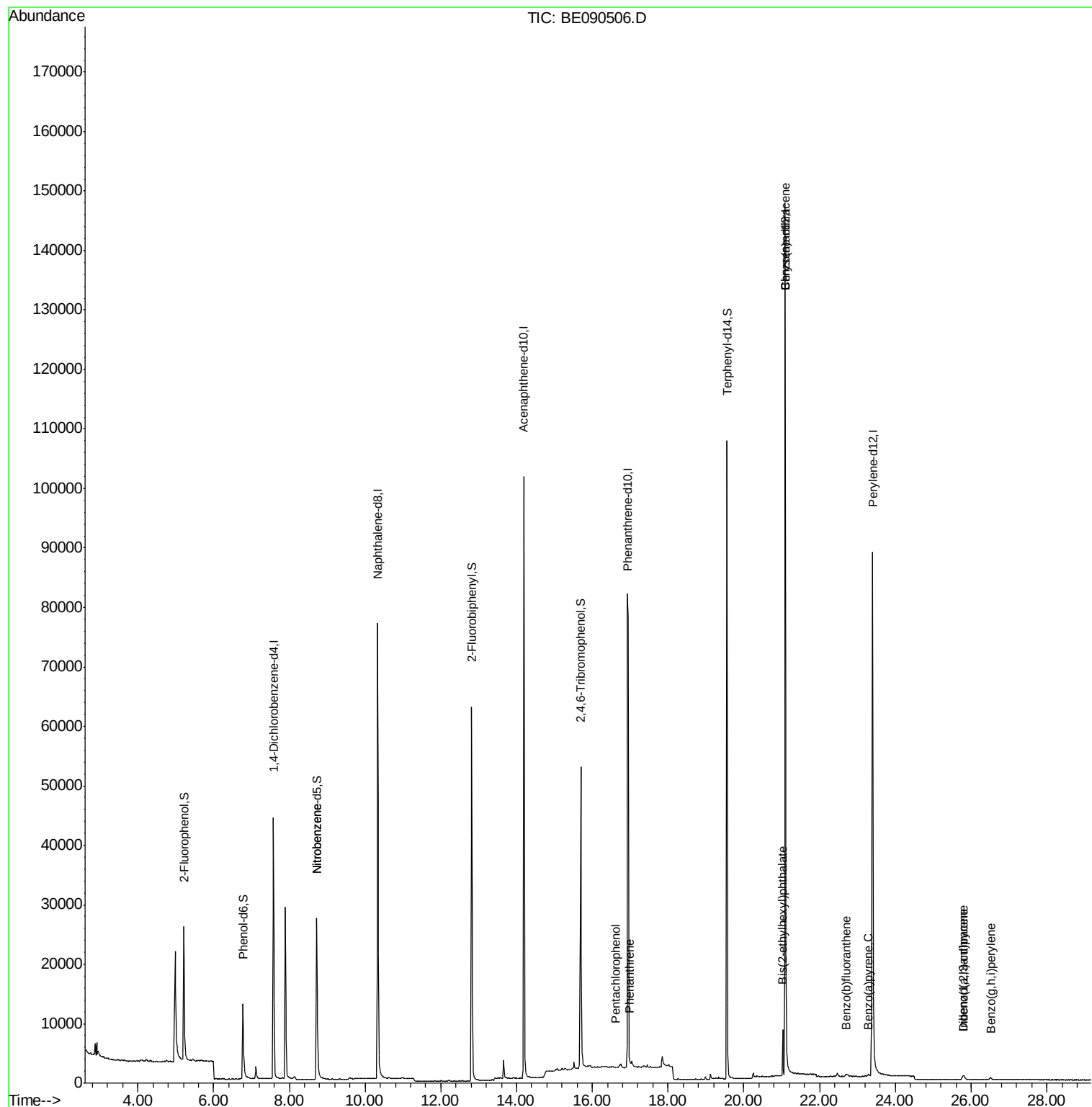
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	172	Below Cal	#	1
8) Nitrobenzene	8.73	77	92	0.22 ng	#	64
10) Hexachlorobutadiene	10.62	225	4	Below Cal		85
21) Pentachlorophenol	16.61	266	76	0.18 ng	#	79
22) Phenanthrene	16.98	178	969	0.03 ng	#	77
28) Benzo(a)anthracene	21.09	228	846	0.03 ng	#	72
30) Bis(2-ethylhexyl)phthalate	21.03	149	6634	0.93 ng		96
31) Indeno(1,2,3-cd)pyrene	25.79	276	1135	0.28 ng	#	92
33) Benzo(b)fluoranthene	22.70	252	543	0.21 ng	#	1
35) Benzo(a)pyrene	23.29	252	547	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	933	0.32 ng	#	34
37) Benzo(g,h,i)perylene	26.51	276	770	0.03 ng	#	48

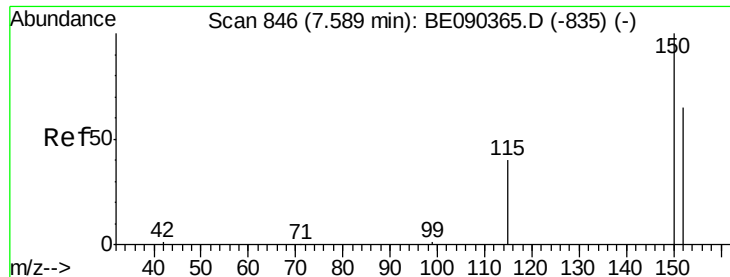
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

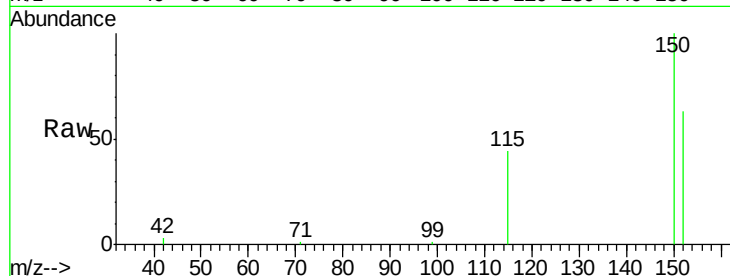
Tgt Ion: 152 Resp: 22206

Ion Ratio Lower Upper

152 100

150 159.3 123.0 184.4

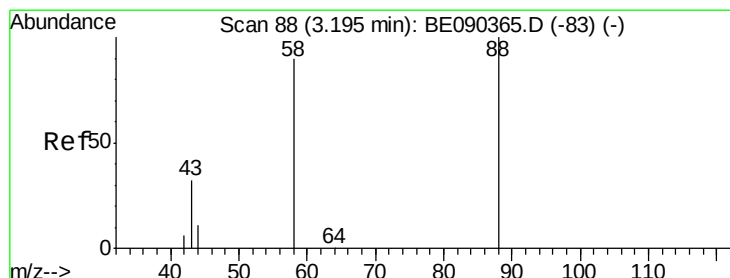
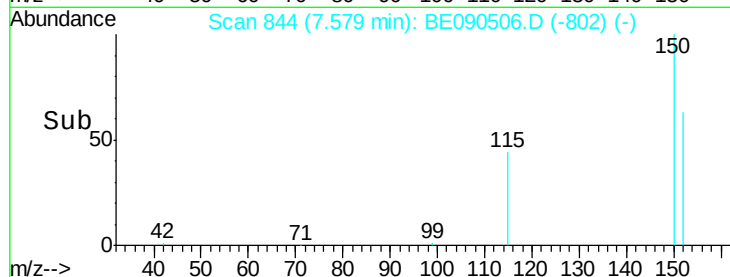
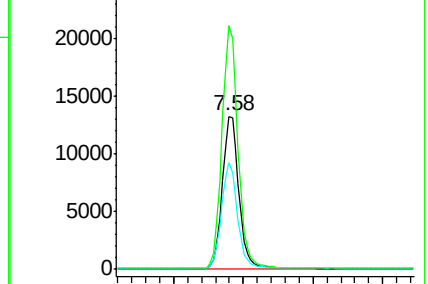
115 70.1 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

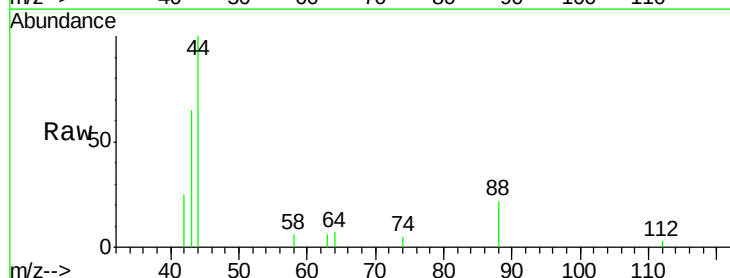
Tgt Ion: 88 Resp: 172

Ion Ratio Lower Upper

88 100

58 19.2 70.0 105.0#

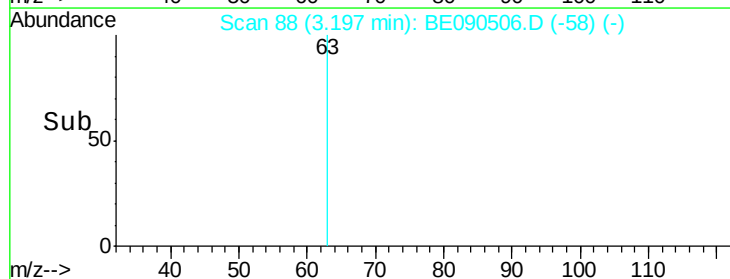
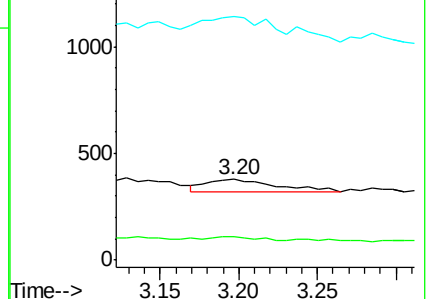
43 135.5 28.4 42.6#

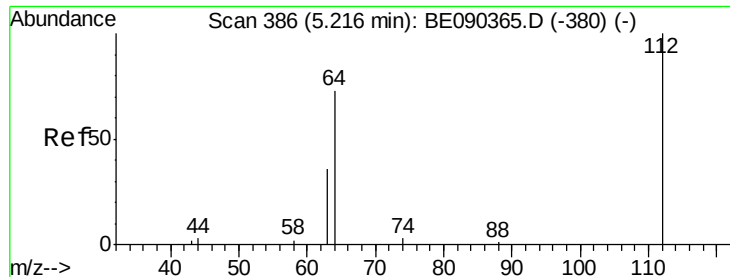


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.76 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

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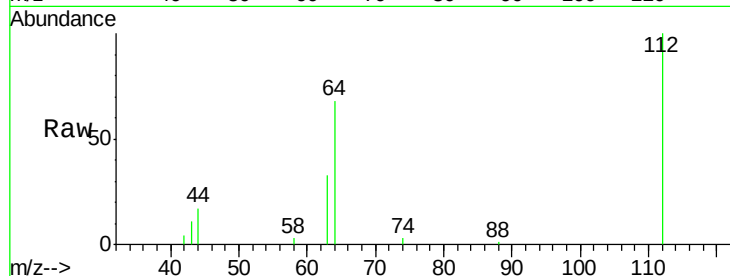
Tgt Ion: 112 Resp: 19181

Ion Ratio Lower Upper

112 100

64 69.6 37.1 55.7#

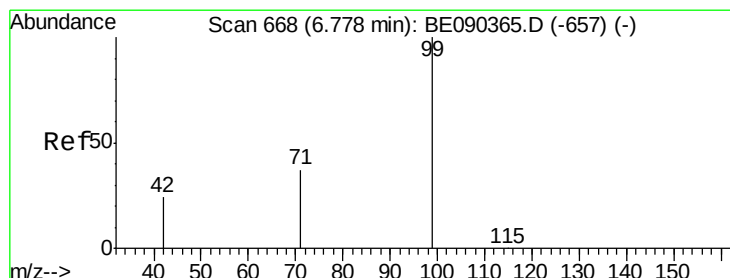
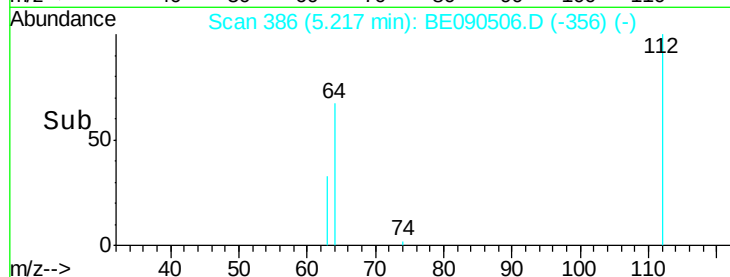
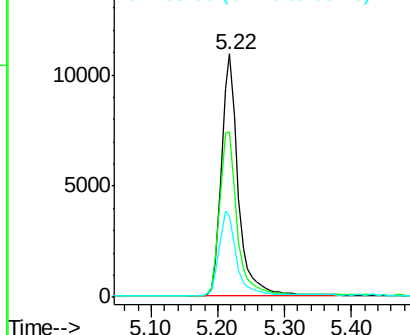
63 36.0 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090506.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090506.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090506.D (-356) (-)



#5

Phenol-d6

Concen: 2.66 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

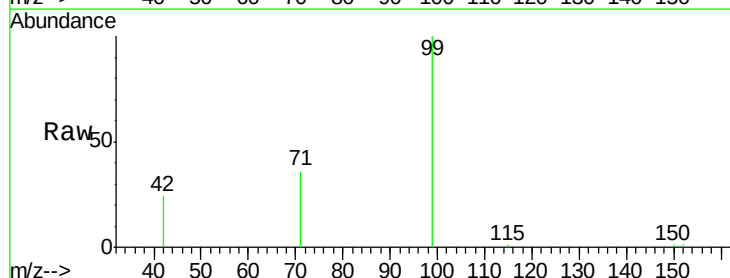
Tgt Ion: 99 Resp: 18008

Ion Ratio Lower Upper

99 100

42 20.1 18.2 27.4

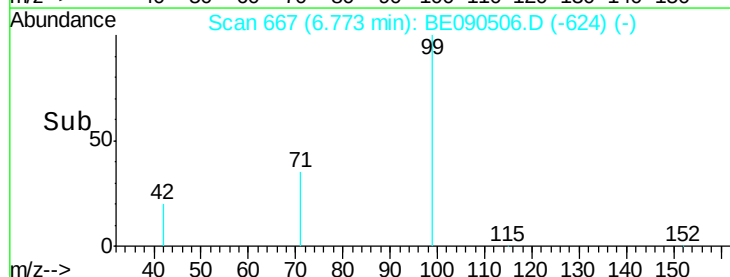
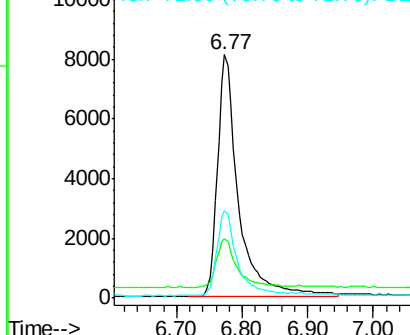
71 34.2 27.4 41.0

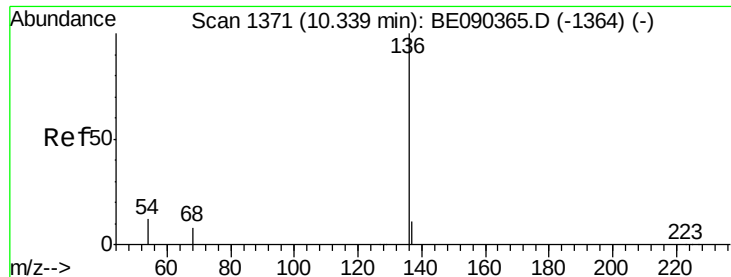


Abundance Ion 99.00 (98.70 to 99.70): BE090506.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090506.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090506.D (-624) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

Tgt Ion: 136 Resp: 111216

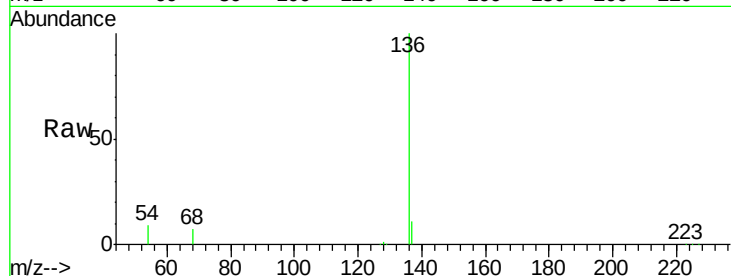
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 9.4 14.0

68 7.3 6.5 9.7

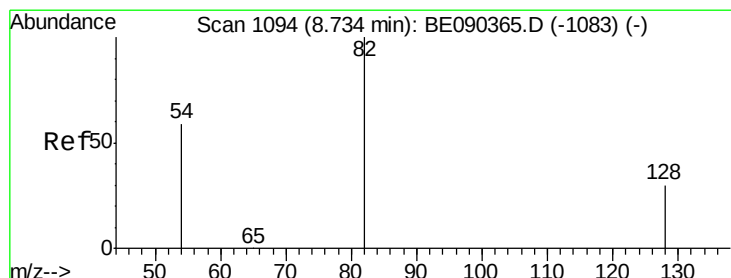
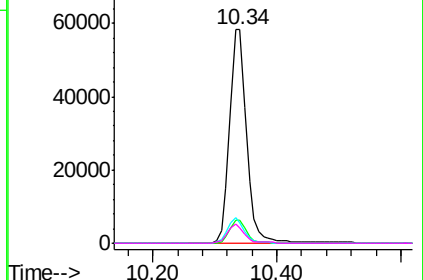
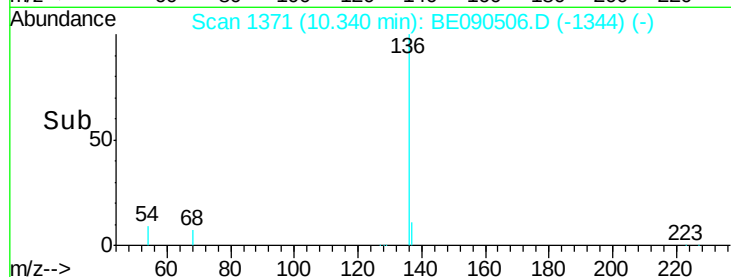


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.73 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

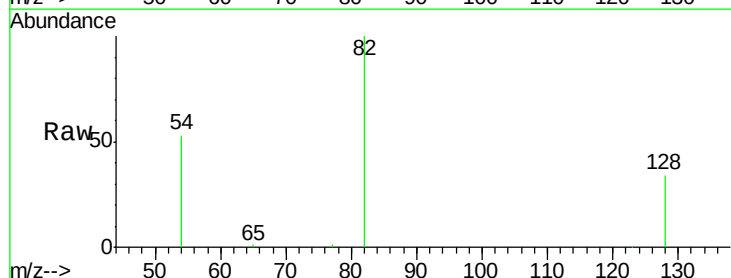
Tgt Ion: 82 Resp: 30902

Ion Ratio Lower Upper

82 100

128 34.4 25.0 37.6

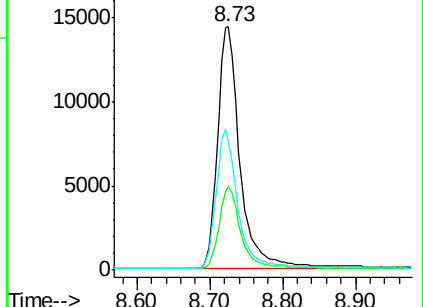
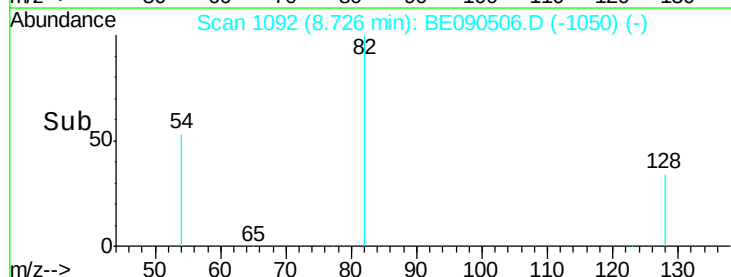
54 53.4 48.8 73.2

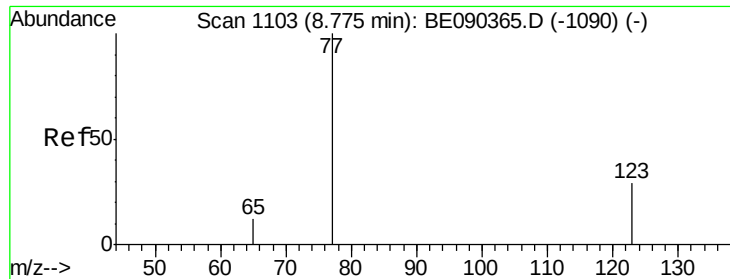


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

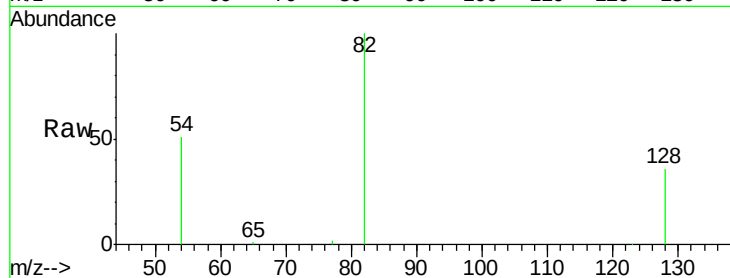
Tgt Ion: 77 Resp: 92

Ion Ratio Lower Upper

77 100

123 13.0 25.1 37.7#

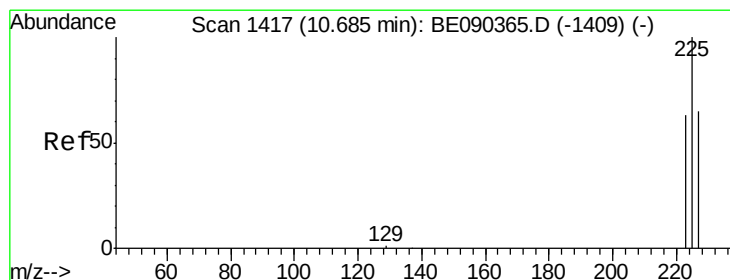
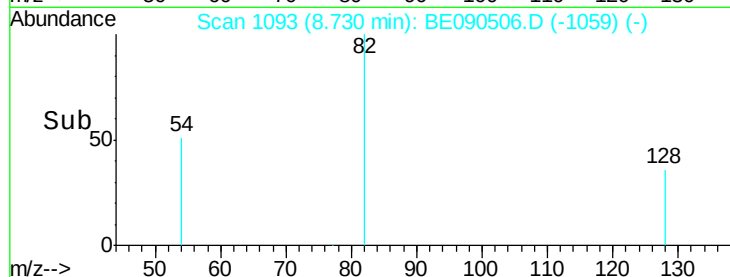
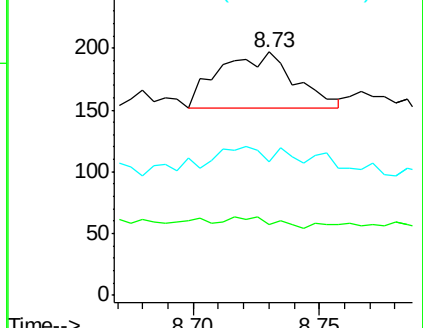
65 28.3 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.62 min Scan# 1408

Delta R.T. -0.07 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

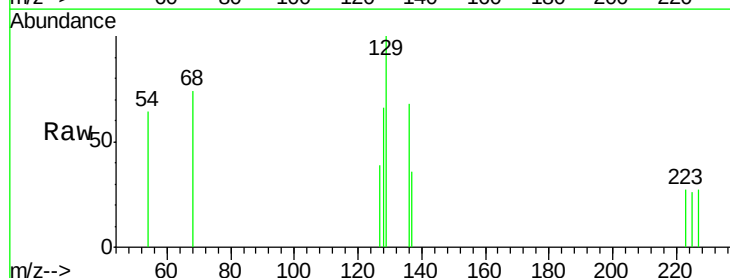
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 75.0 50.6 75.8

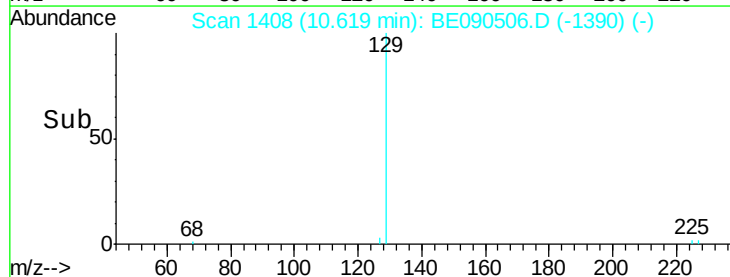
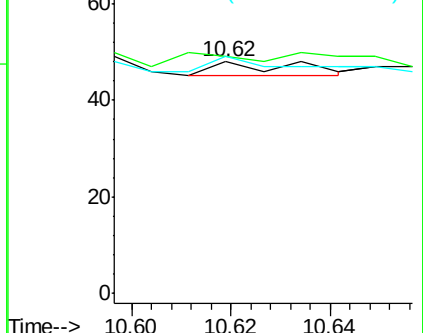
227 75.0 50.7 76.1

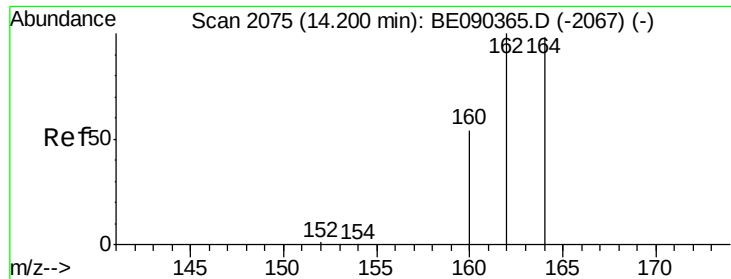


Abundance Ion 225.00 (224.70 to 225.70): E

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: 14.19 min Scan# 2074

Delta R.T. -0.01 min

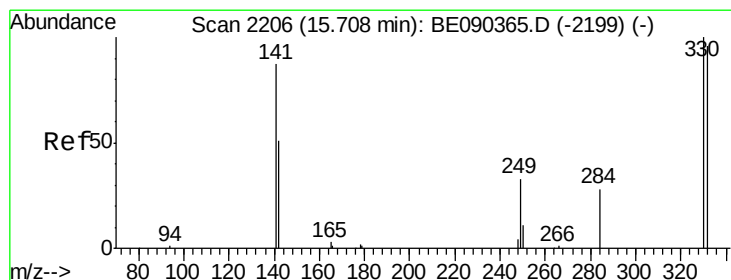
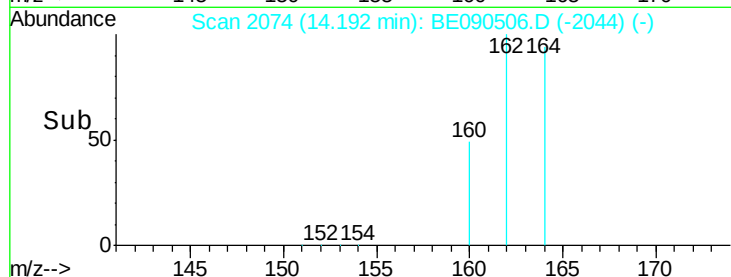
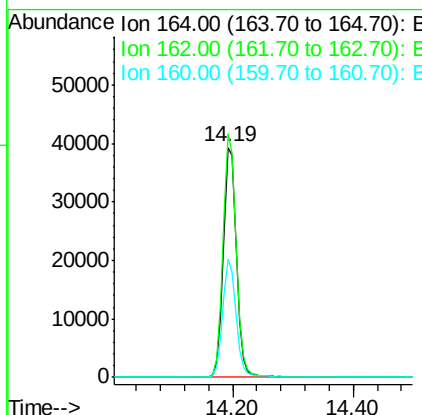
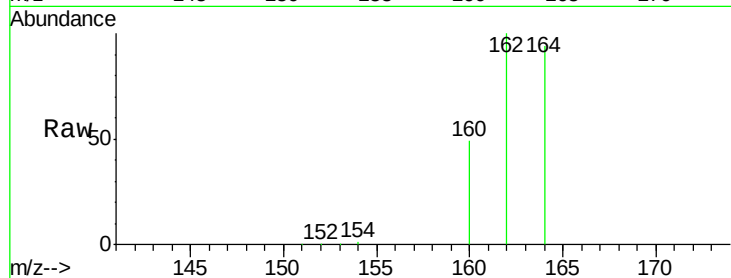
Lab File: BE090506.D

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Tgt Ion:164 Resp: 61002

Ion	Ratio	Lower	Upper
164	100		
162	106.0	81.8	122.8
160	51.5	44.2	66.4



#13

2,4,6-Tribromophenol

Concen: 10.51 ng

RT: 15.69 min Scan# 2206

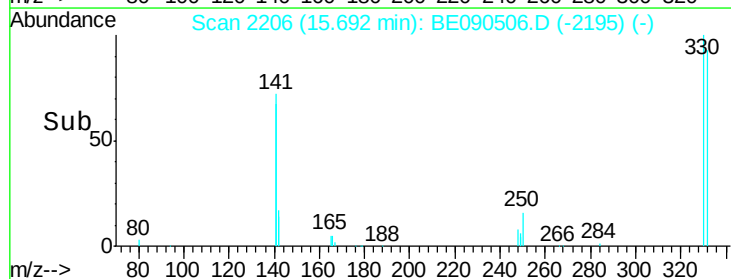
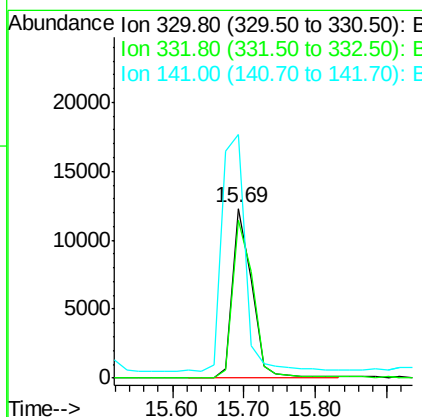
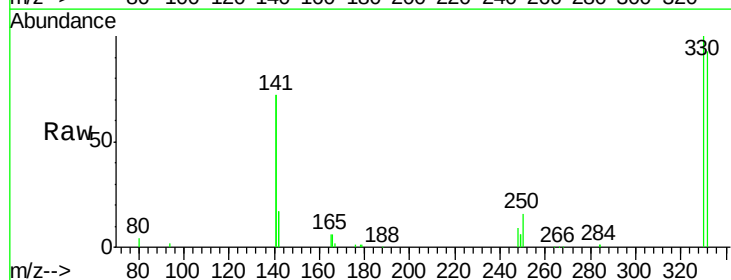
Delta R.T. -0.02 min

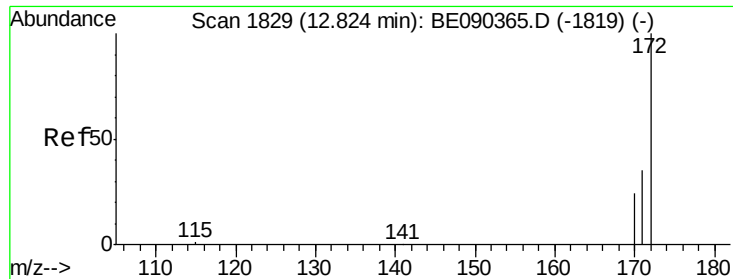
Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Tgt Ion:330 Resp: 22573

Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.8	113.6
141	172.8	114.4	171.6#

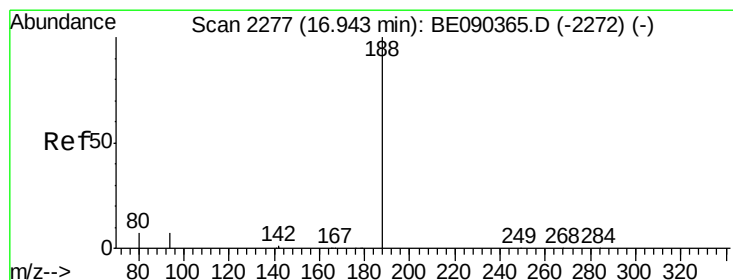
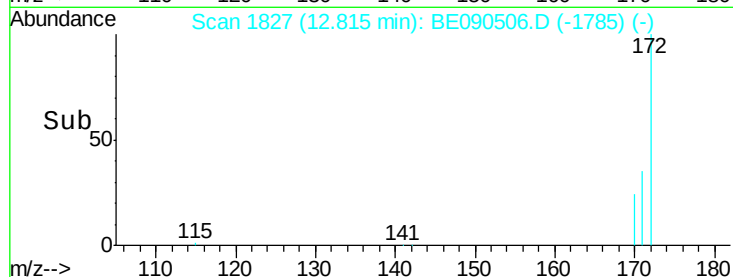
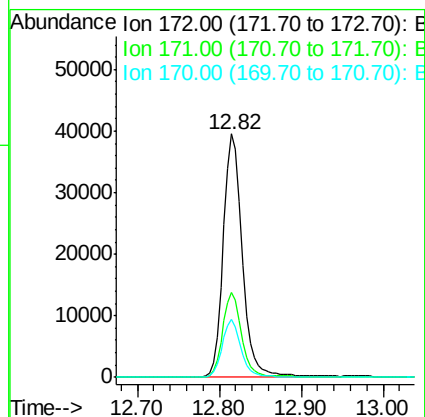
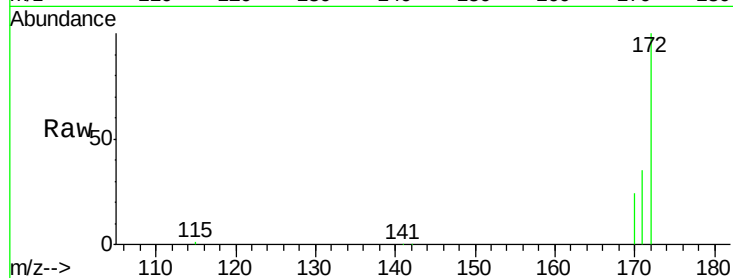




#14
2-Fluorobiphenyl
Concen: 3.82 ng
RT: 12.82 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BE090506.D
Acq: 13 Aug 2015 18:50

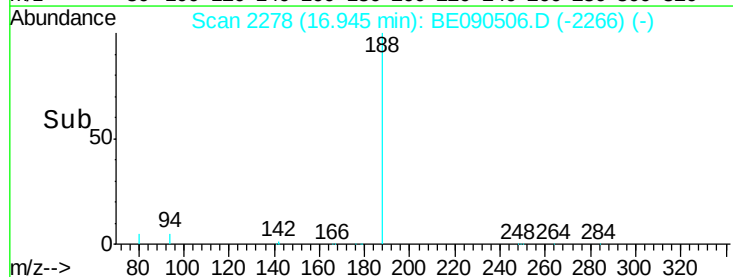
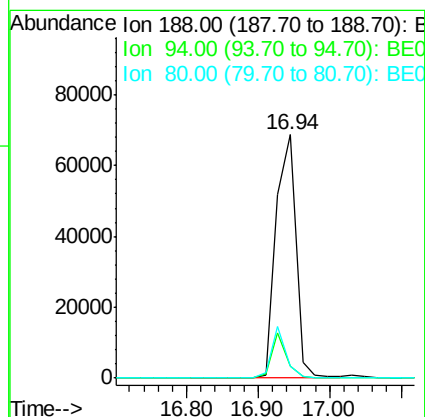
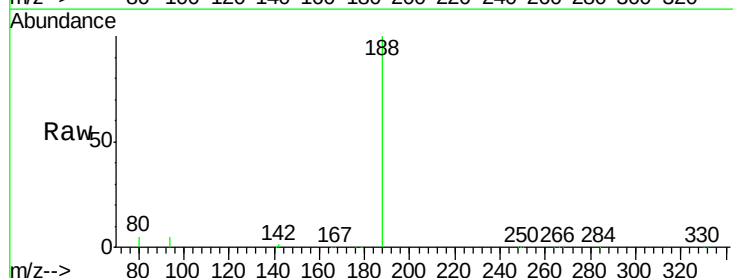
Instrument :
BNA_E
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081215-D506-F-D-M

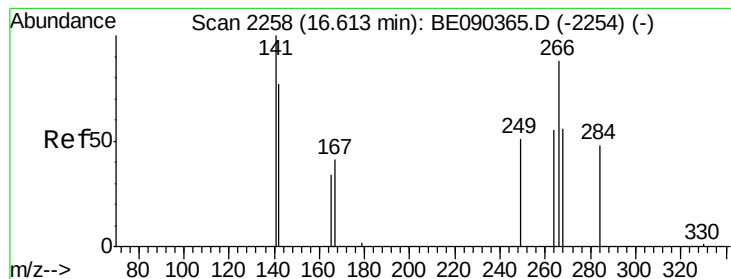
Tgt Ion:172 Resp: 64069
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.7 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090506.D
Acq: 13 Aug 2015 18:50

Tgt Ion:188 Resp: 133240
Ion Ratio Lower Upper
188 100
94 4.9 5.7 8.5#
80 5.0 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.18 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

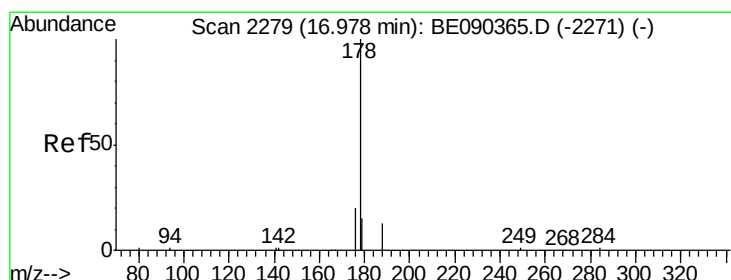
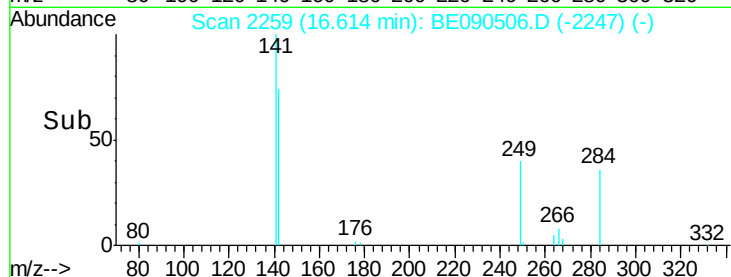
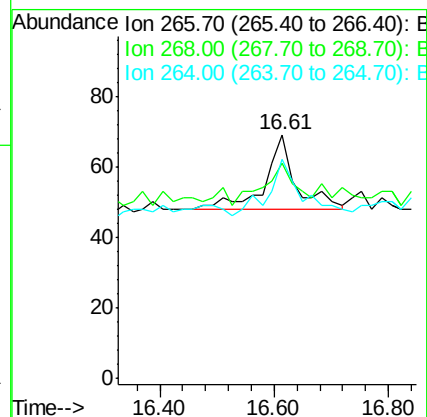
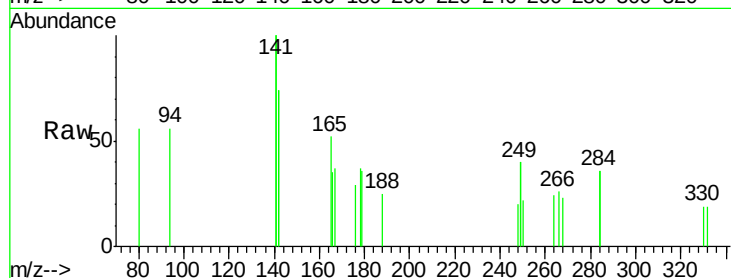
Tgt Ion:266 Resp: 76

Ion Ratio Lower Upper

266 100

268 88.4 58.5 87.7#

264 89.9 56.0 84.0#



#22

Phenanthrene

Concen: 0.03 ng

RT: 16.98 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

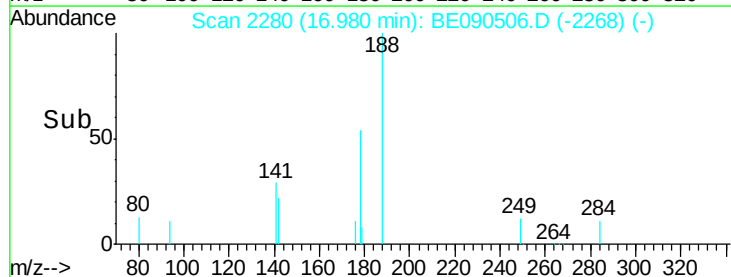
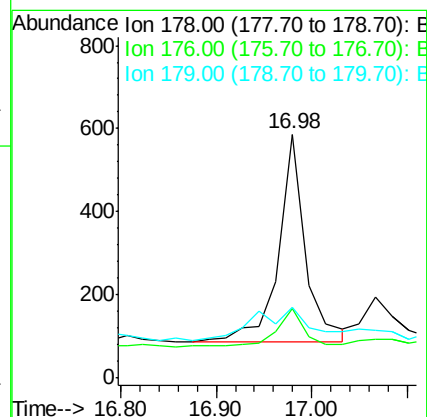
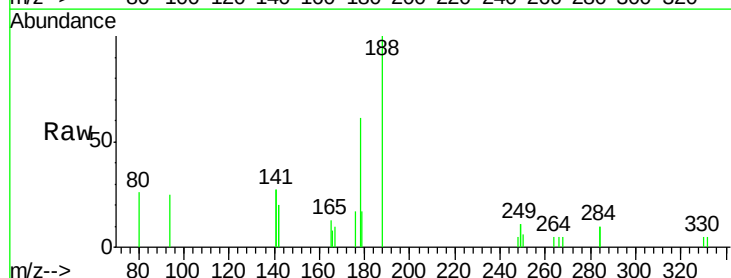
Tgt Ion:178 Resp: 969

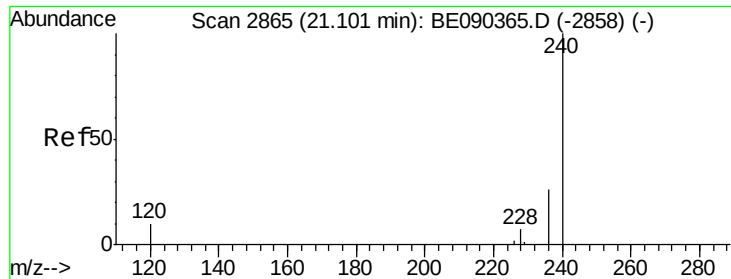
Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.2

179 34.6 12.5 18.7#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

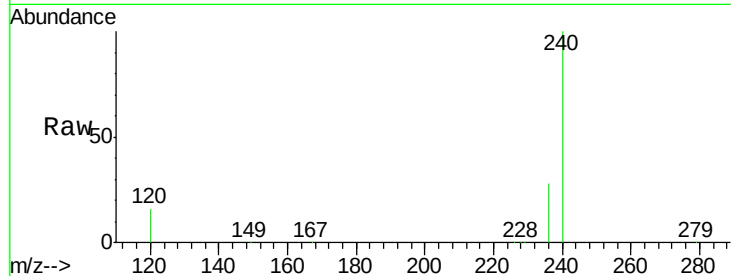
Tgt Ion:240 Resp: 143136

Ion Ratio Lower Upper

240 100

120 15.6 8.3 12.5#

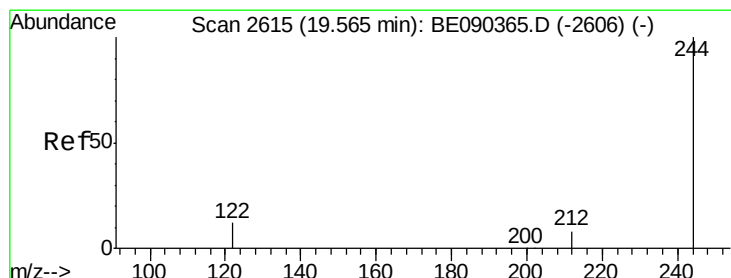
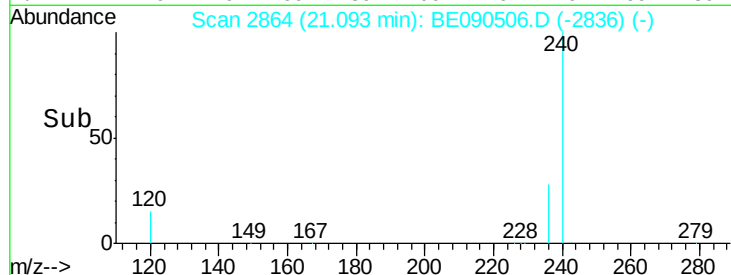
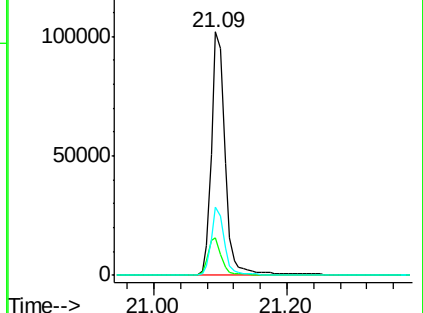
236 28.0 21.0 31.4



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: 5.07 ng

RT: 19.55 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

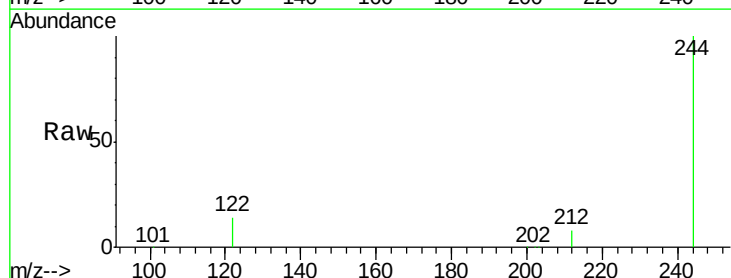
Tgt Ion:244 Resp: 106981

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

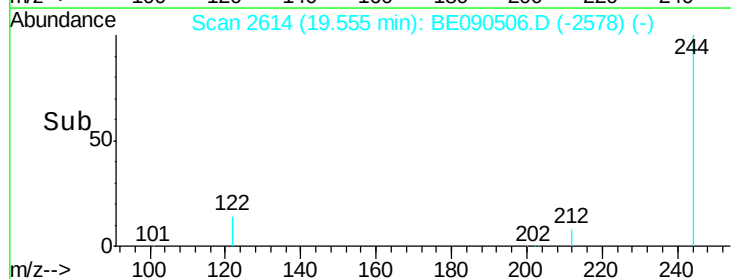
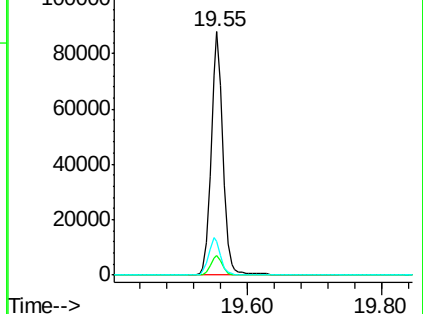
122 13.9 10.2 15.4

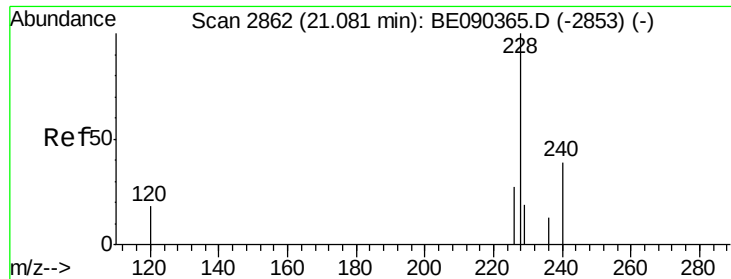


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

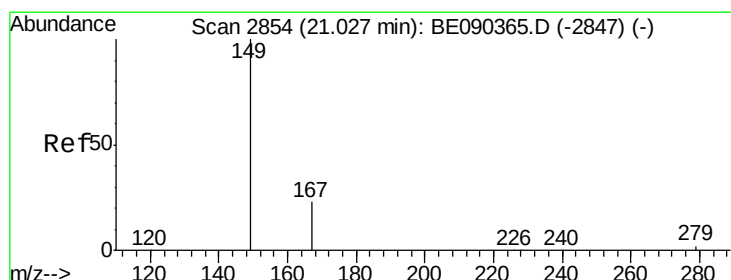
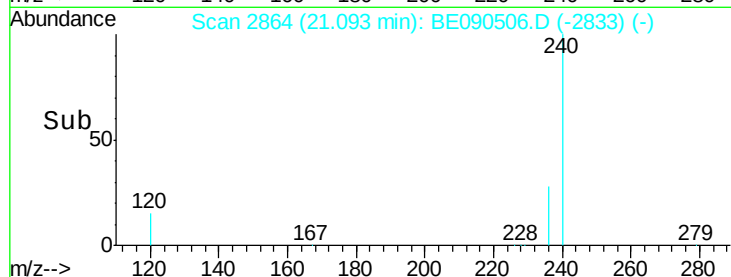
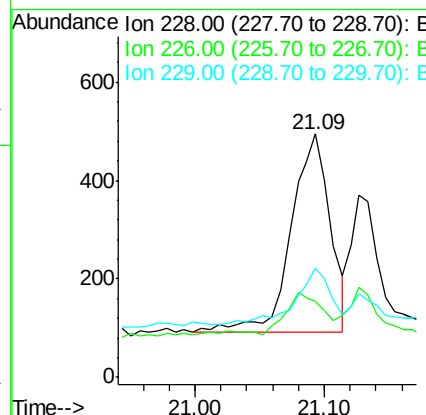
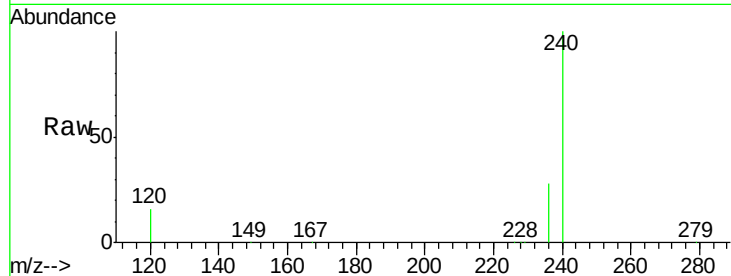




#28
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.09 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE090506.D
Acq: 13 Aug 2015 18:50

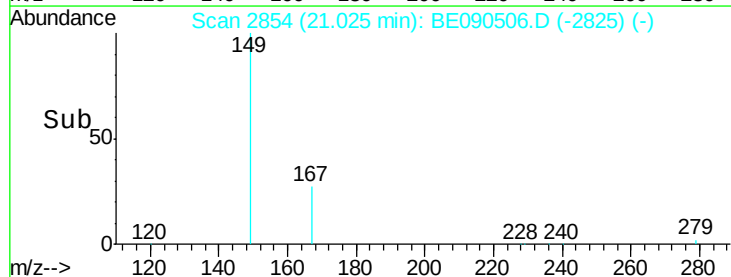
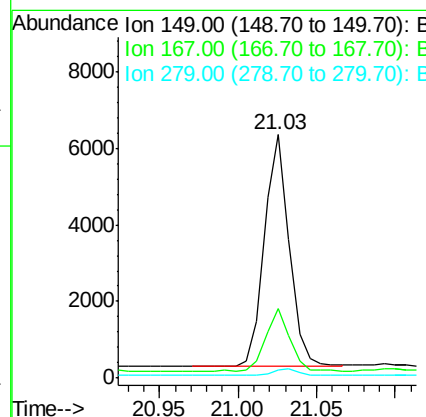
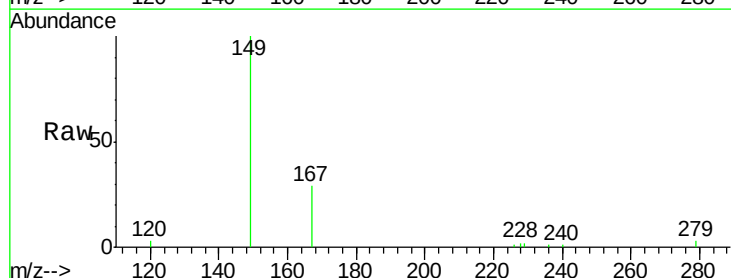
Instrument :
BNA_E
ClientSampleId :
081215-D506-F-D-M

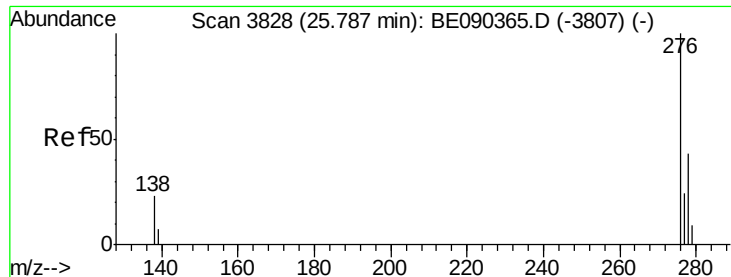
Tgt Ion:228 Resp: 846
Ion Ratio Lower Upper
228 100
226 31.1 21.9 32.9
229 45.1 15.4 23.0#



#30
Bis(2-ethylhexyl)phthalate
Concen: 0.93 ng
RT: 21.03 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BE090506.D
Acq: 13 Aug 2015 18:50

Tgt Ion:149 Resp: 6634
Ion Ratio Lower Upper
149 100
167 27.0 19.8 29.8
279 3.2 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng

RT: 25.79 min Scan# 3829

Delta R.T. -0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

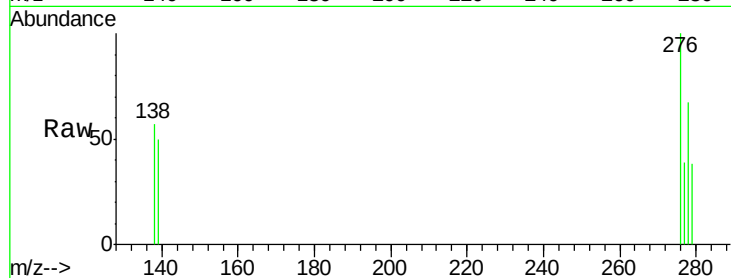
Tgt Ion:276 Resp: 1135

Ion Ratio Lower Upper

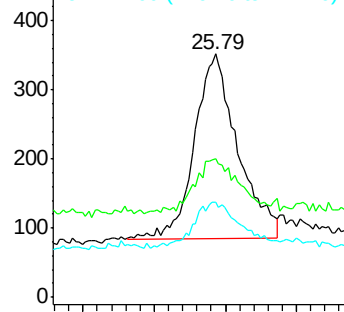
276 100

138 29.6 18.8 28.2#

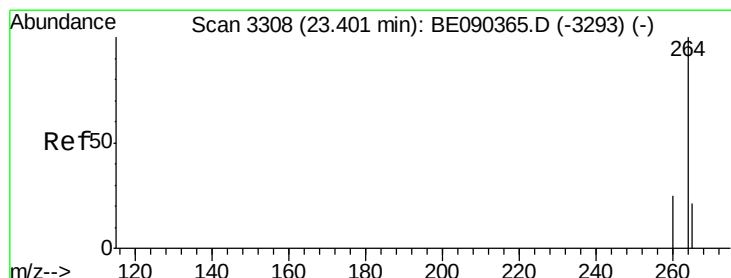
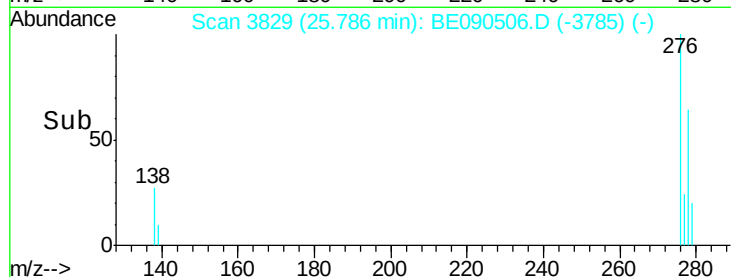
277 24.6 18.2 27.4



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



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

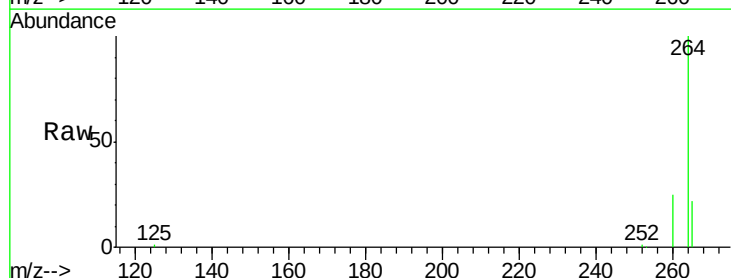
Tgt Ion:264 Resp: 131405

Ion Ratio Lower Upper

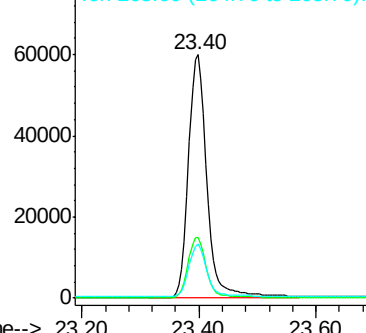
264 100

260 24.9 20.1 30.1

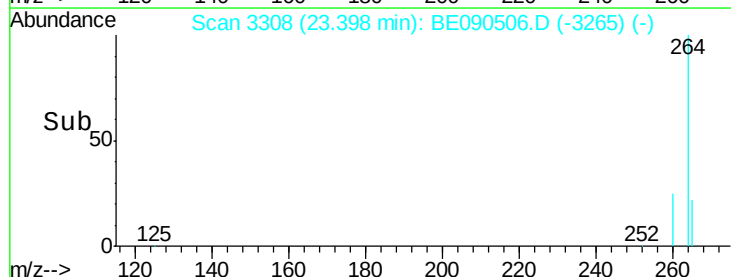
265 22.4 17.2 25.8

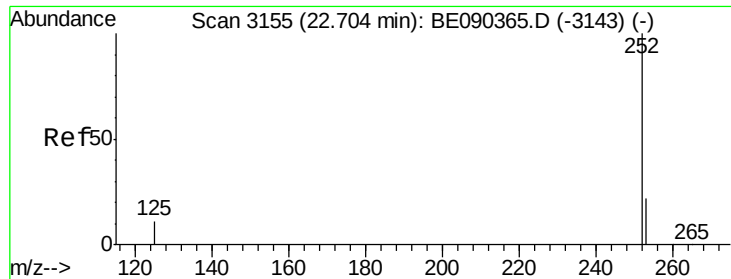


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#33

Benzo(b)fluoranthene

Concen: 0.21 ng

RT: 22.70 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

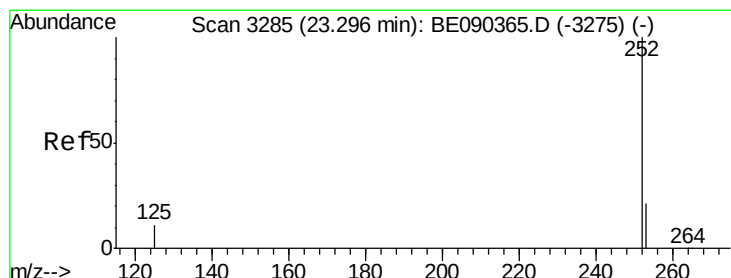
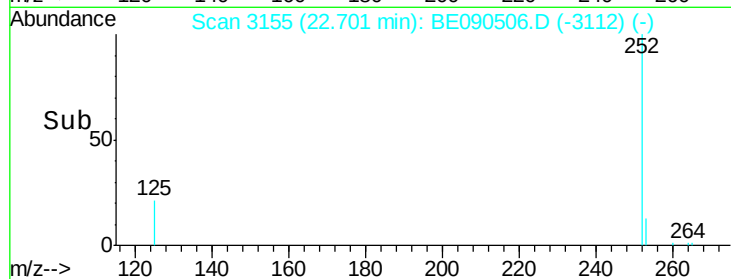
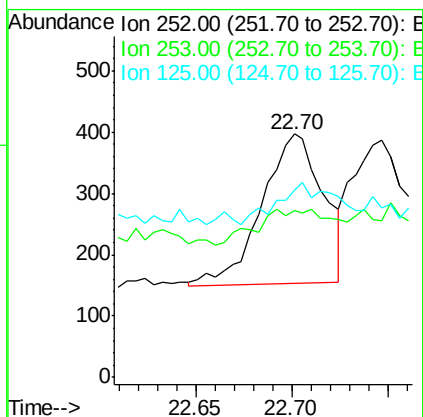
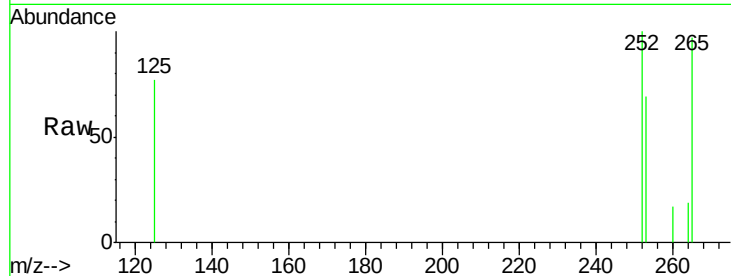
Tgt Ion:252 Resp: 543

Ion Ratio Lower Upper

252 100

253 68.8 18.1 27.1#

125 76.8 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: BE090506.D

Acq: 13 Aug 2015 18:50

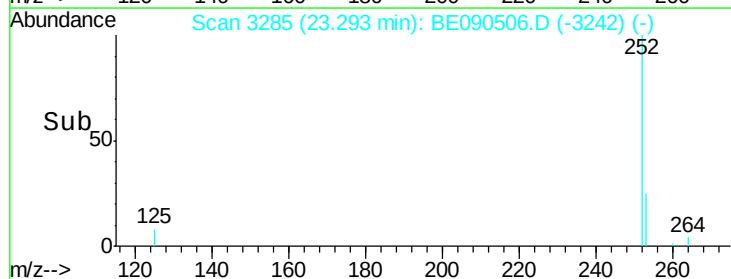
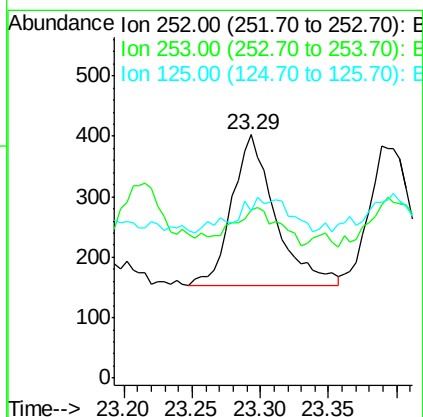
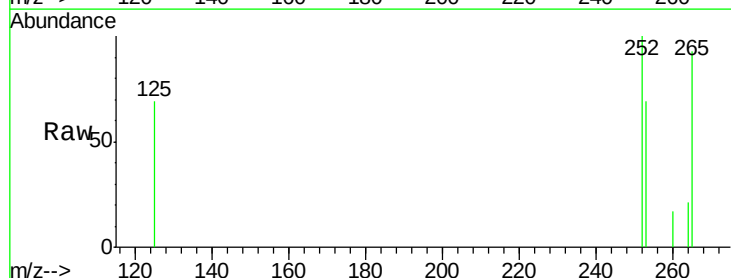
Tgt Ion:252 Resp: 547

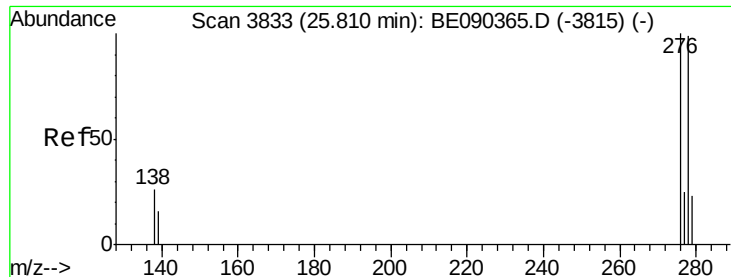
Ion Ratio Lower Upper

252 100

253 69.2 17.6 26.4#

125 68.7 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.32 ng

RT: 25.81 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

Instrument :

BNA_E

ClientSampleId :

081215-D506-F-D-M

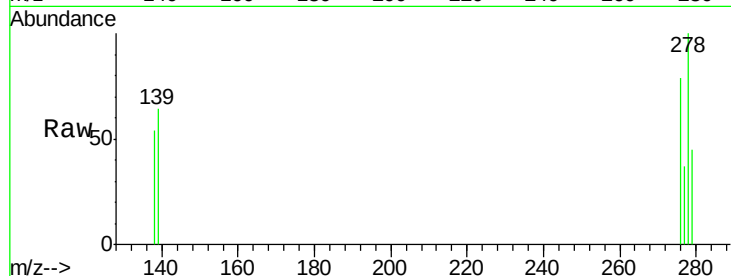
Tgt Ion: 278 Resp: 933

Ion Ratio Lower Upper

278 100

139 63.9 14.2 21.4#

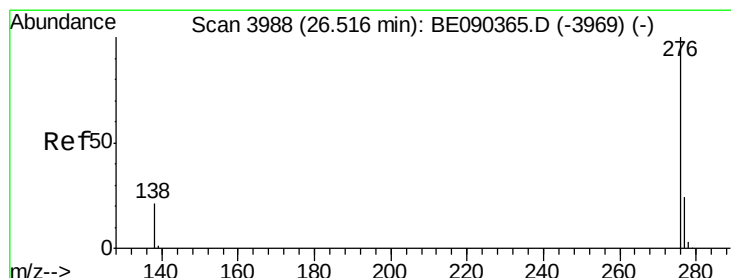
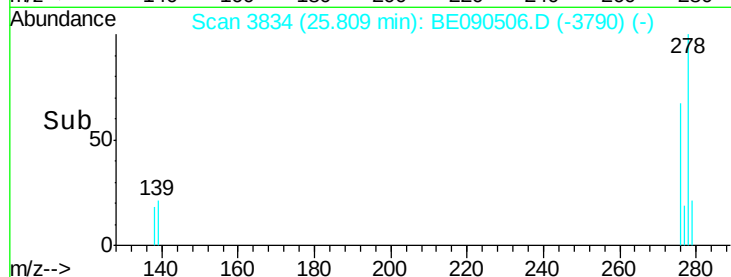
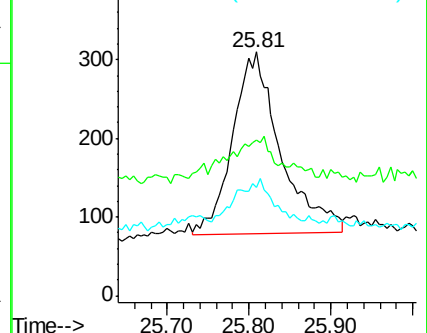
279 44.5 20.1 30.1#



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



#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.51 min Scan# 3987

Delta R.T. -0.01 min

Lab File: BE090506.D

Acq: 13 Aug 2015 18:50

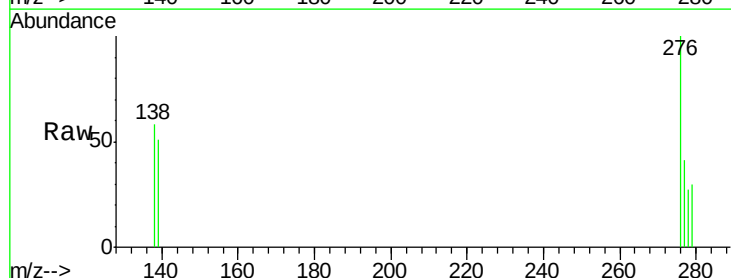
Tgt Ion: 276 Resp: 770

Ion Ratio Lower Upper

276 100

277 41.3 20.1 30.1#

138 58.0 18.1 27.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

