

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090017.D
 Acq On : 30 Jun 2015 19:07
 Operator : TP/IZ
 Sample : G2824-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0650204-150626

Quant Time: Jul 01 05:17:36 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

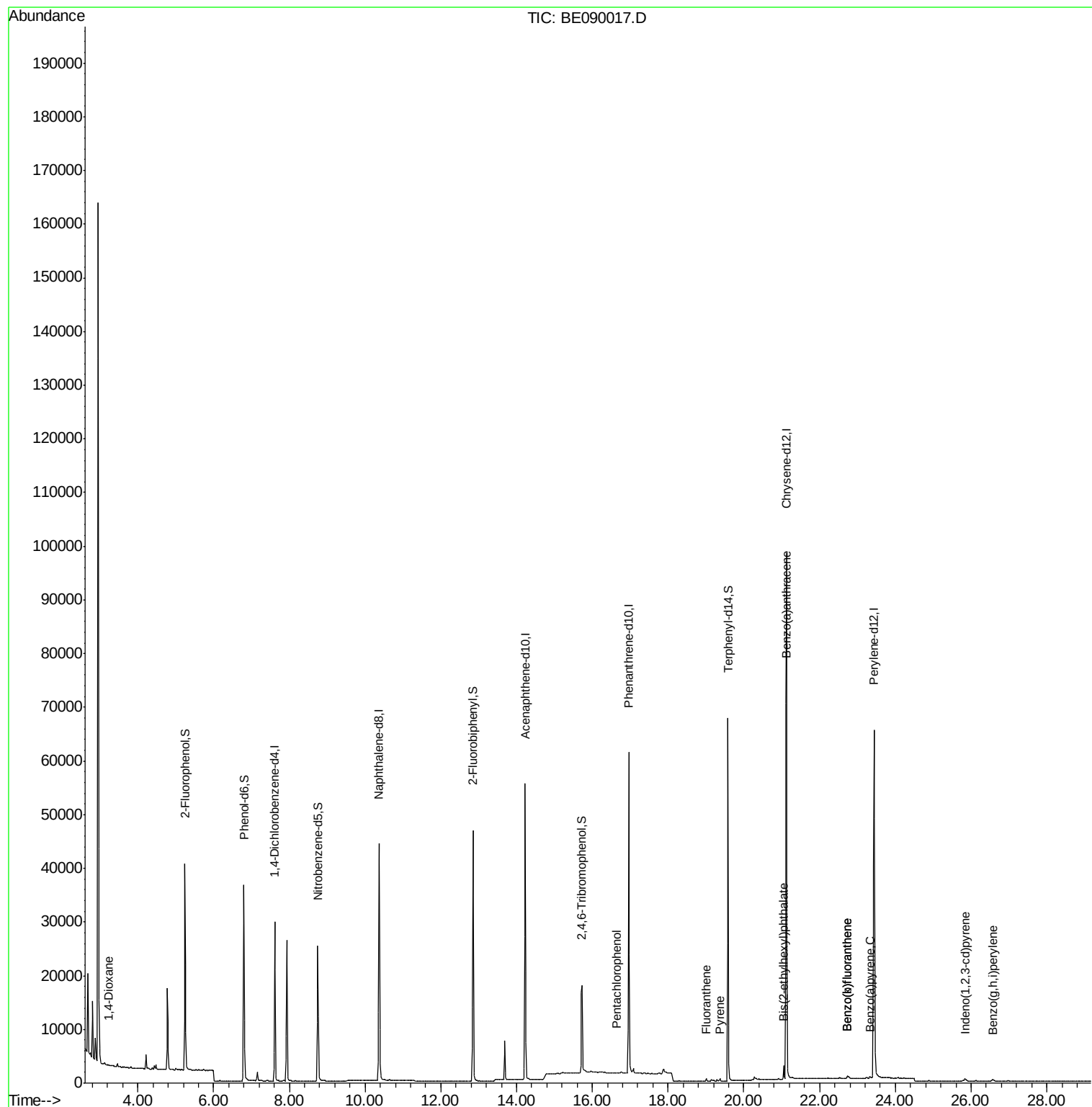
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	14155	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	59884	5.00	ng	-0.01
12) Acenaphthene-d10	14.23	164	32821	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	75918	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	92372	5.00	ng	-0.01
32) Perylene-d12	23.44	264	91121	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	27254	8.38	ng	0.00
5) Phenol-d6	6.80	99	39085	8.59	ng	0.00
7) Nitrobenzene-d5	8.75	82	22374	4.70	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9039	9.40	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	45487	4.61	ng	0.00
27) Terphenyl-d14	19.58	244	68933	4.48	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.24	88	62	0.03	ng	# 15
21) Pentachlorophenol	16.63	266	28	0.27	ng	# 56
24) Fluoranthene	19.01	202	469	0.02	ng	# 85
26) Pyrene	19.37	202	455	0.02	ng	# 94
28) Benzo(a)anthracene	21.11	228	737	0.03	ng	# 77
30) Bis(2-ethylhexyl)phthalate	21.05	149	2197	0.50	ng	# 98
31) Indeno(1,2,3-cd)pyrene	25.84	276	663	0.03	ng	# 95
33) Benzo(b)fluoranthene	22.73	252	657	0.03	ng	# 37
34) Benzo(k)fluoranthene	22.73	252	657	0.03	ng	# 36
35) Benzo(a)pyrene	23.33	252	546	0.03	ng	# 28
37) Benzo(g,h,i)perylene	26.57	276	586	0.03	ng	# 52

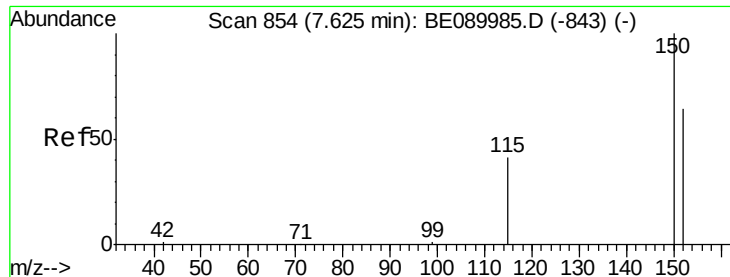
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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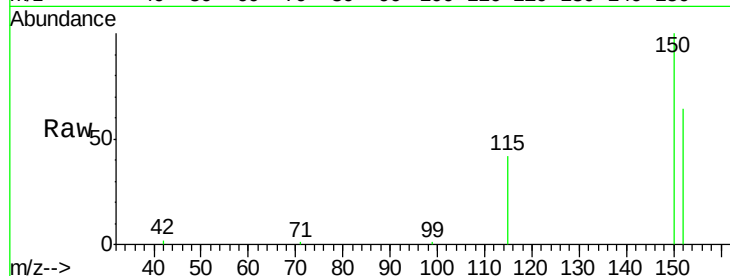


#1

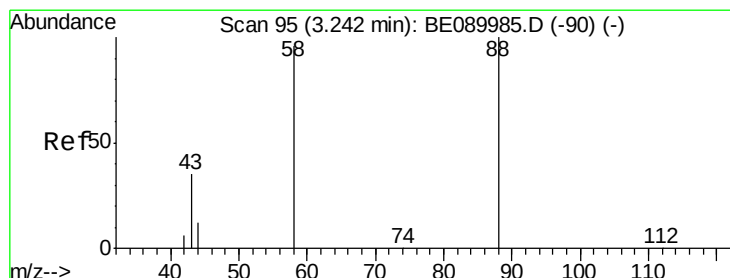
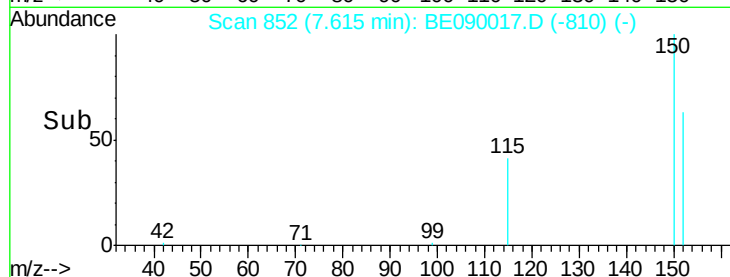
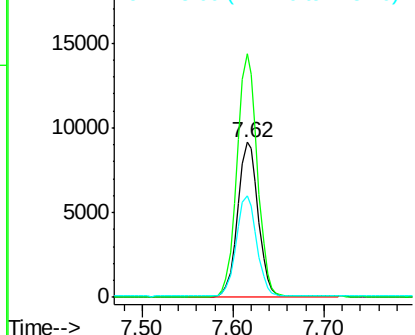
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Instrument :
BNA_E
ClientSampleId :
X1SB0650204-150626

Tgt Ion: 152 Resp: 14155
Ion Ratio Lower Upper
152 100
150 157.1 123.9 185.9
115 65.2 50.6 76.0



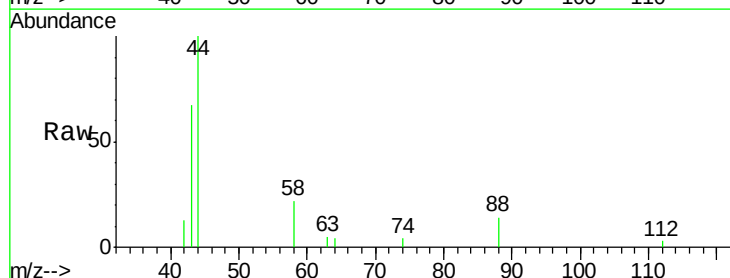
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



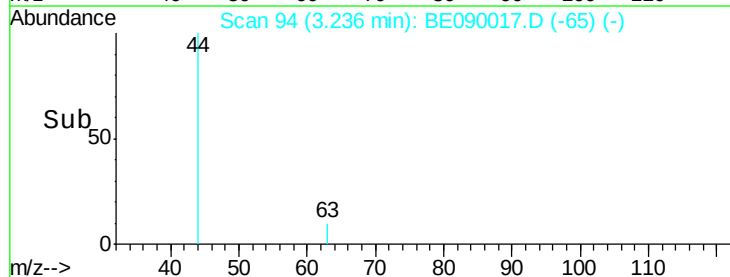
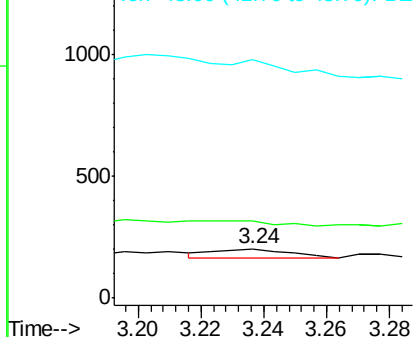
#2

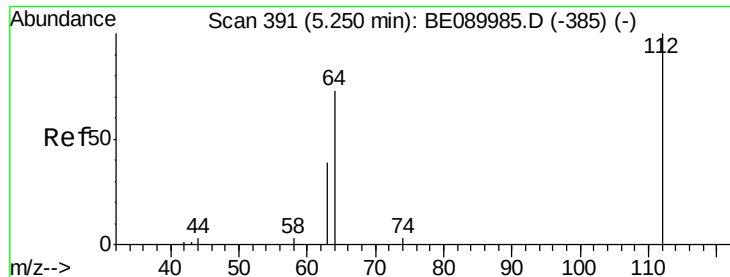
1,4-Dioxane
Concen: 0.03 ng
RT: 3.24 min Scan# 94
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
58 0.0 70.9 106.3#
43 0.0 27.6 41.4#



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: 8.38 ng

RT: 5.25 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

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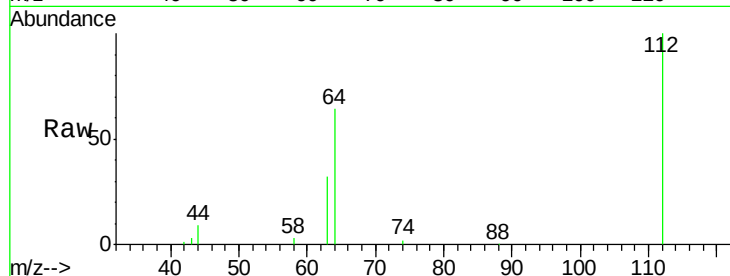
Tgt Ion: 112 Resp: 27254

Ion Ratio Lower Upper

112 100

64 70.5 56.3 84.5

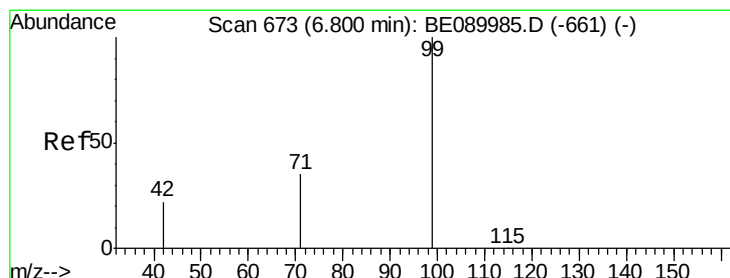
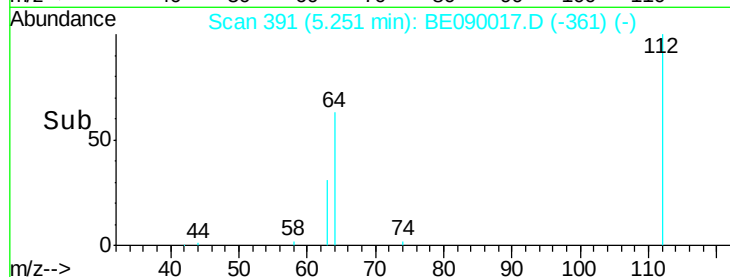
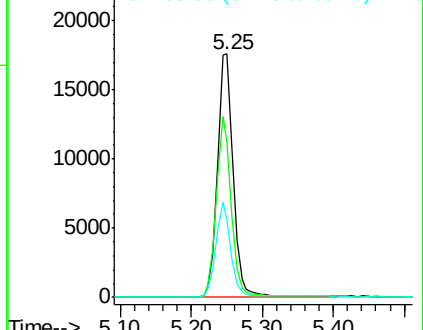
63 36.4 29.8 44.6



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: 8.59 ng

RT: 6.80 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

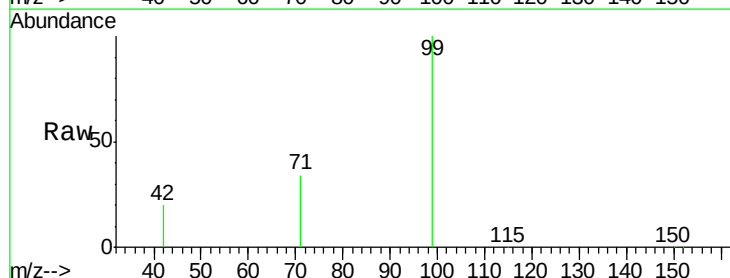
Tgt Ion: 99 Resp: 39085

Ion Ratio Lower Upper

99 100

42 20.5 18.7 28.1

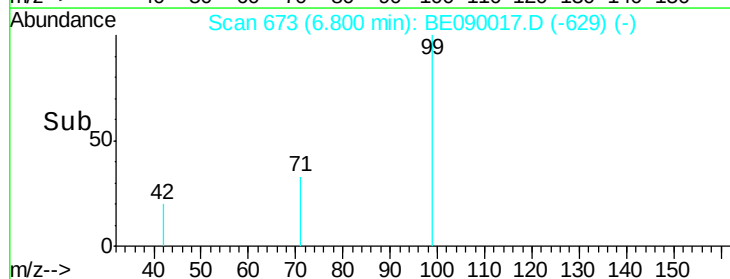
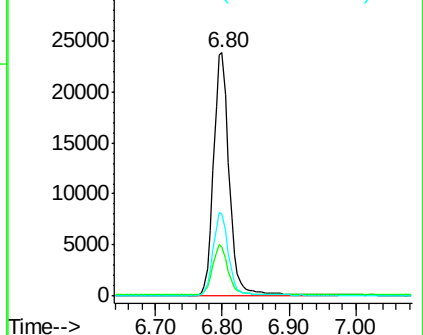
71 33.8 27.5 41.3

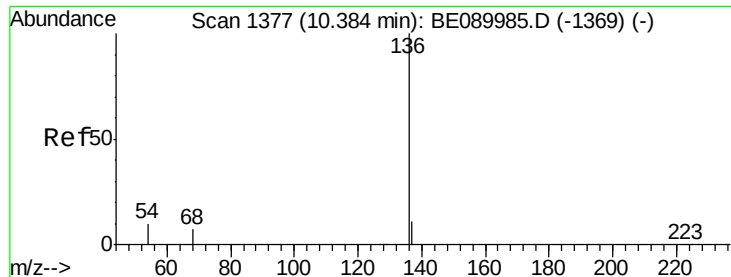


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

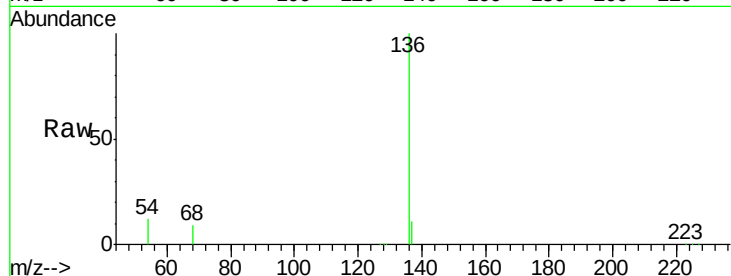




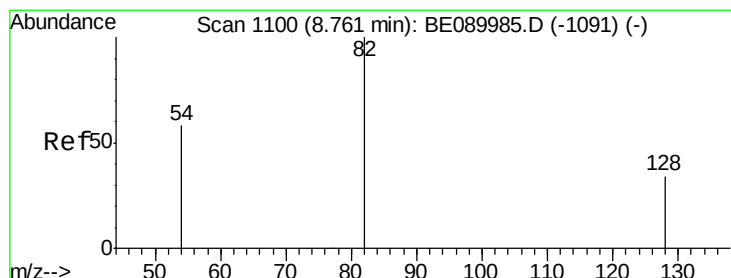
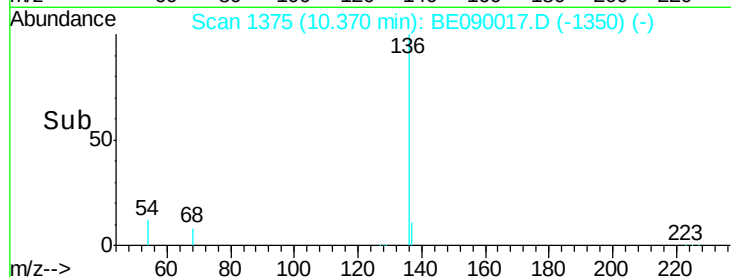
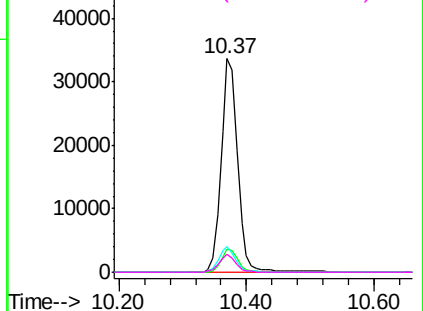
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.37 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Instrument :
BNA_E
ClientSampleId :
X1SB0650204-150626

Tgt Ion:	136	Resp:	59884
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	12.2	8.2	12.4
68	8.6	5.8	8.8

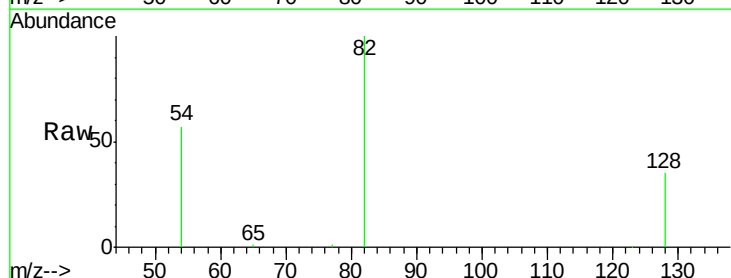


Abundance Ion 136.00 (135.70 to 136.70): BE0
Ion 137.00 (136.70 to 137.70): BE0
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

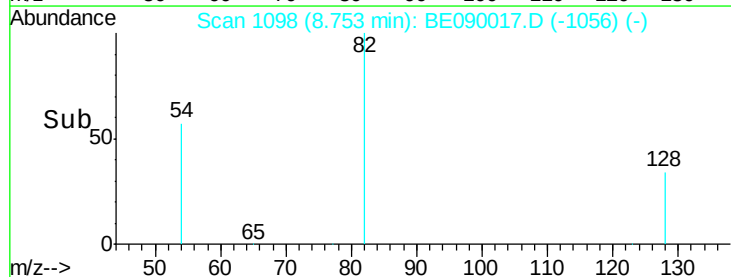
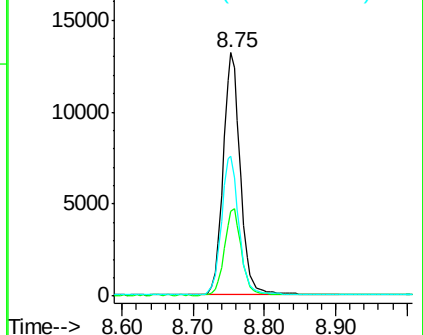


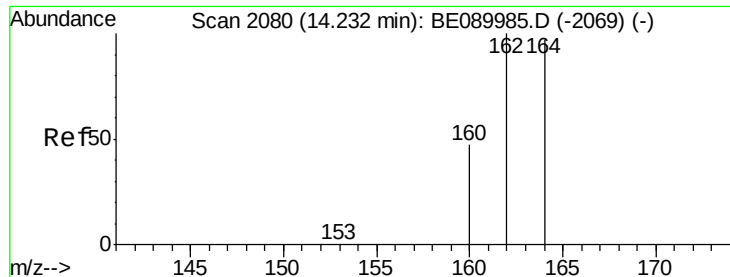
#7
Nitrobenzene-d5
Concen: 4.70 ng
RT: 8.75 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Tgt Ion:	82	Resp:	22374
Ion	Ratio	Lower	Upper
82	100		
128	34.7	28.0	42.0
54	57.5	47.6	71.4



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

ClientSampleId :

X1SB0650204-150626

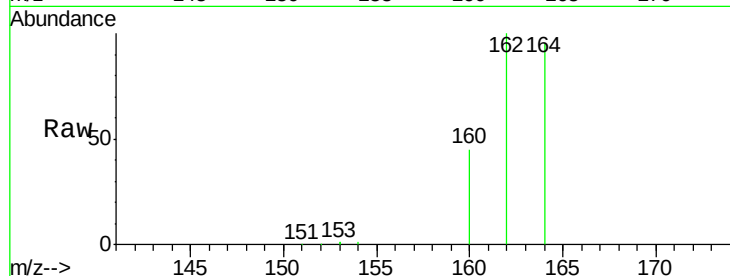
Tgt Ion:164 Resp: 32821

Ion Ratio Lower Upper

164 100

162 104.9 82.2 123.4

160 47.3 39.0 58.6



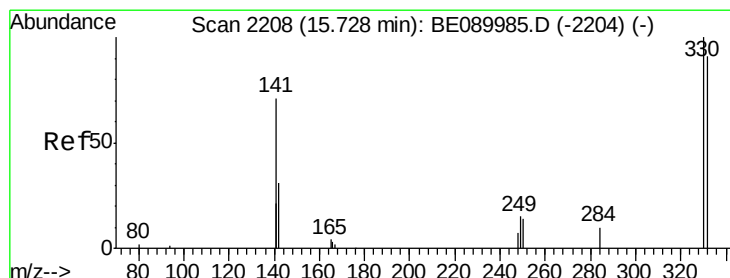
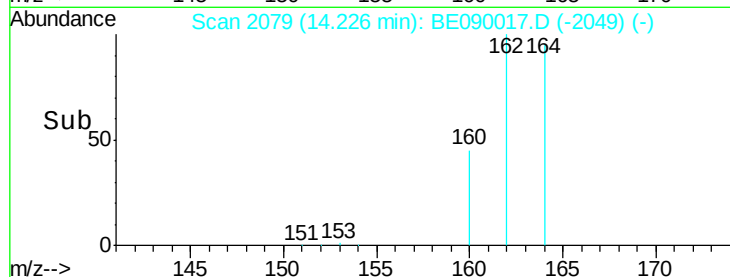
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.23

Time-->



#13

2,4,6-Tribromophenol

Concen: 9.40 ng

RT: 15.73 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

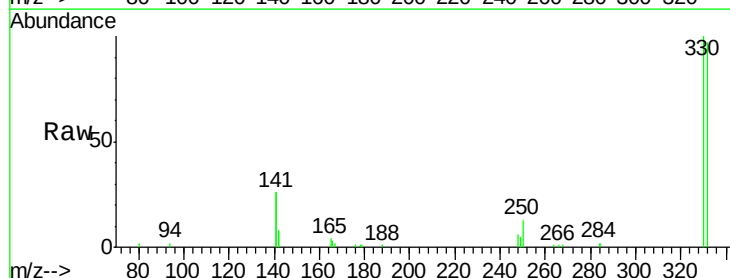
Tgt Ion:330 Resp: 9039

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

141 161.4 130.3 195.5



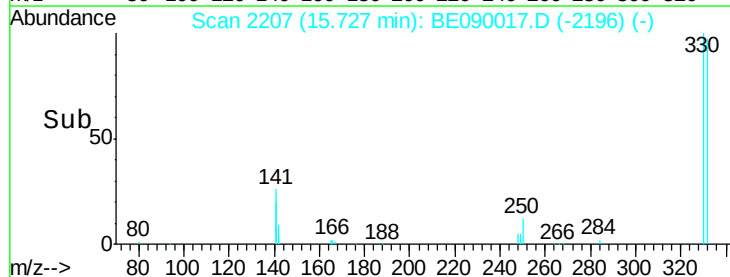
Abundance Ion 329.80 (329.50 to 330.50): E

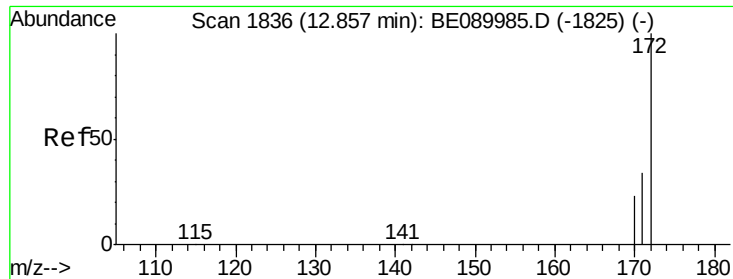
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.73

Time-->

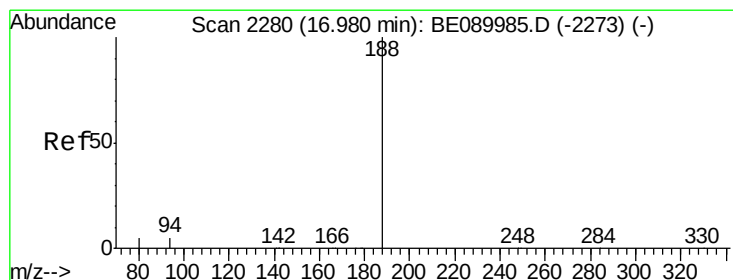
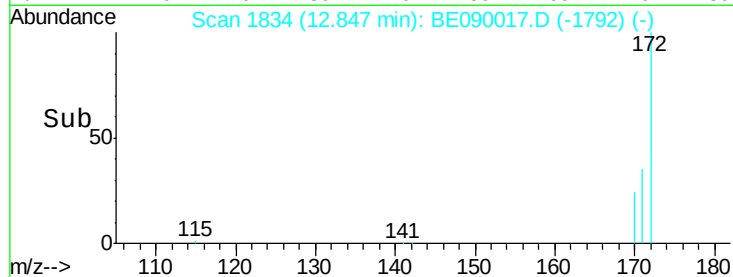
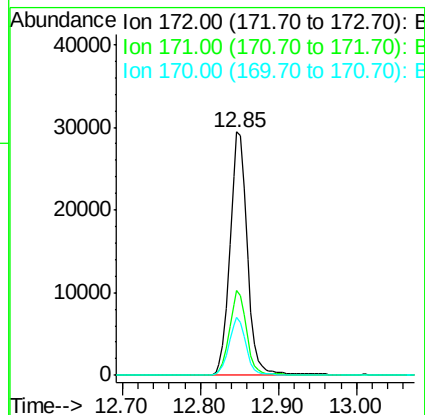
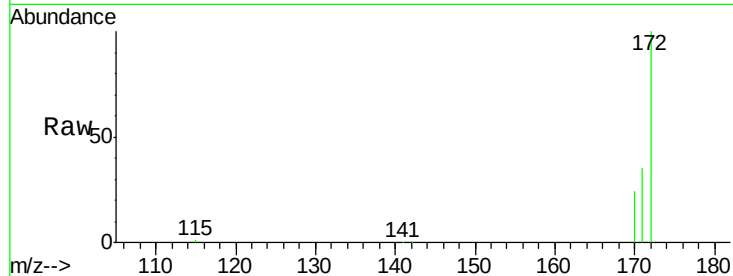




#14
2-Fluorobiphenyl
Concen: 4.61 ng
RT: 12.85 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

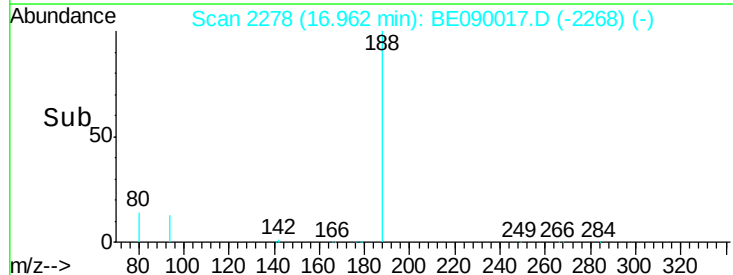
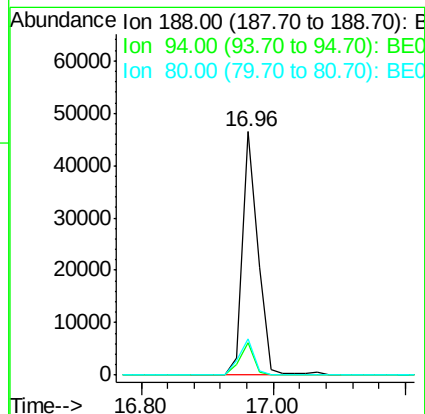
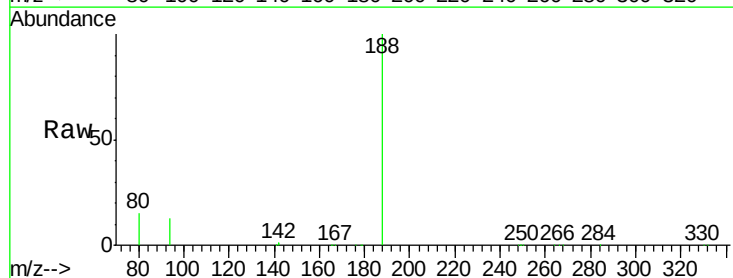
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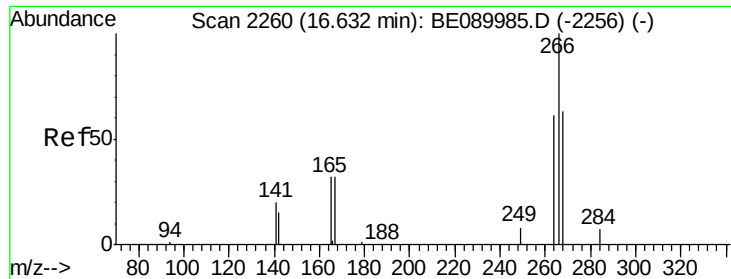
Tgt Ion:172 Resp: 45487
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.8 18.3 27.5



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.96 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Tgt Ion:188 Resp: 75918
Ion Ratio Lower Upper
188 100
94 13.1 4.1 6.1#
80 14.6 4.2 6.2#

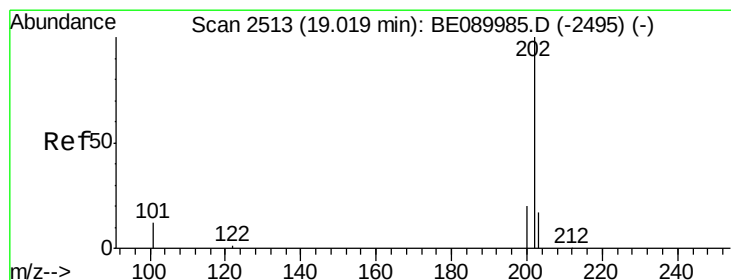
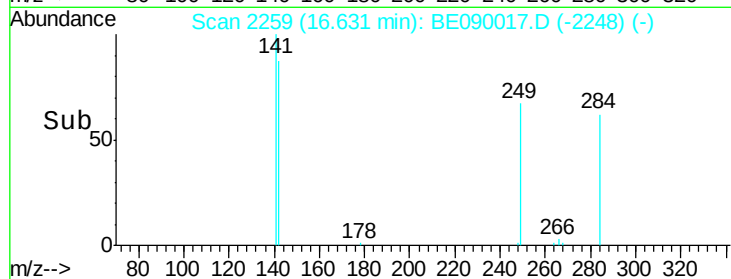
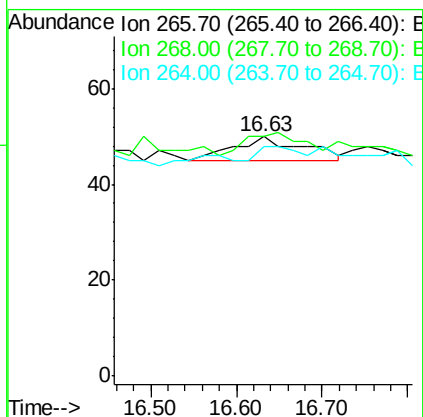
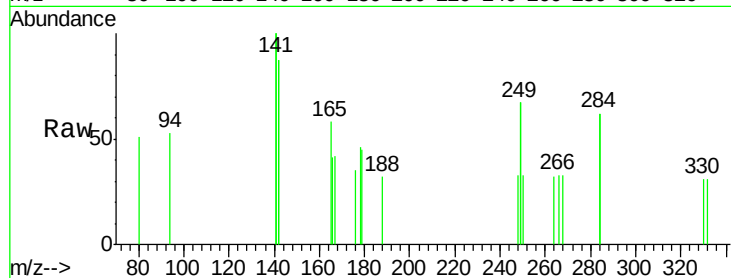




#21
 Pentachlorophenol
 Concen: 0.27 ng
 RT: 16.63 min Scan# 2259
 Delta R.T. -0.00 min
 Lab File: BE090017.D
 Acq: 30 Jun 2015 19:07

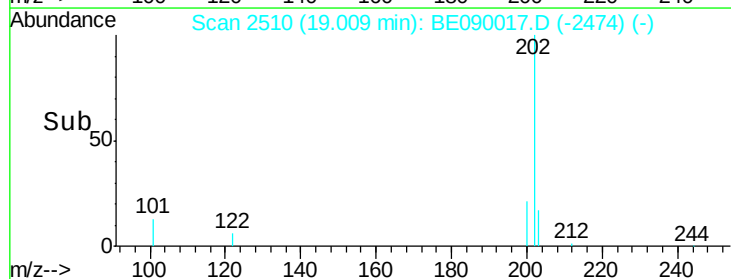
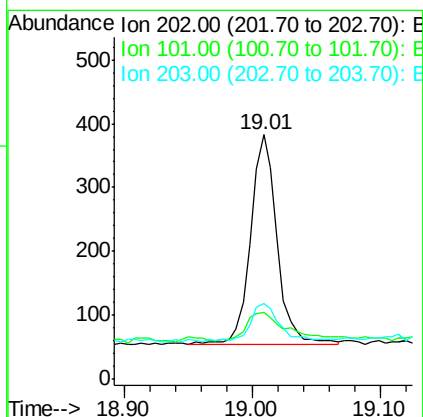
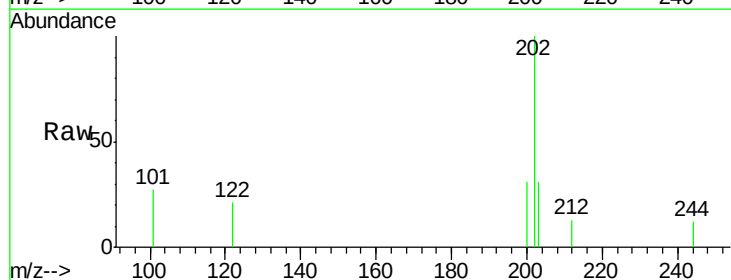
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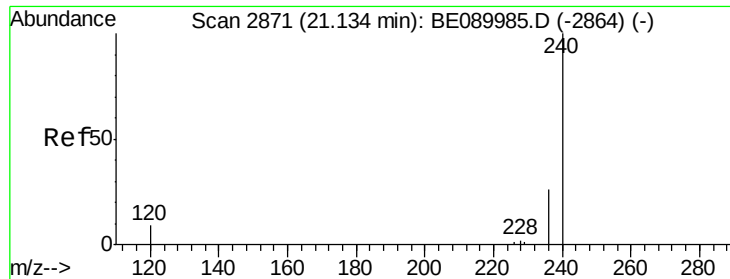
Tgt Ion: 266 Resp: 28
 Ion Ratio Lower Upper
 266 100
 268 100.0 51.8 77.8#
 264 96.0 50.2 75.2#



#24
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.01 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BE090017.D
 Acq: 30 Jun 2015 19:07

Tgt Ion: 202 Resp: 469
 Ion Ratio Lower Upper
 202 100
 101 21.7 10.6 15.8#
 203 21.7 13.8 20.6#

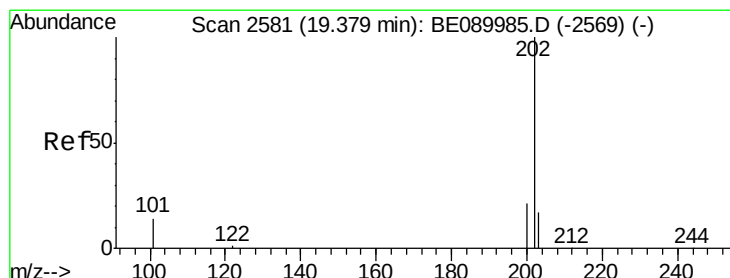
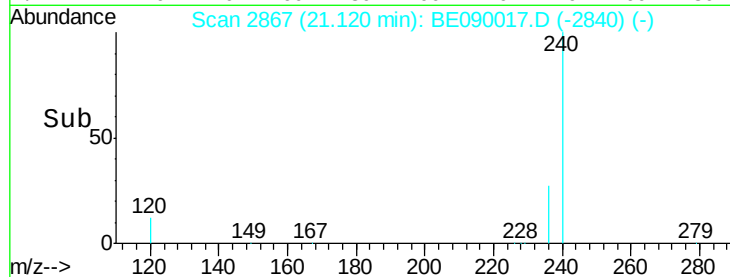
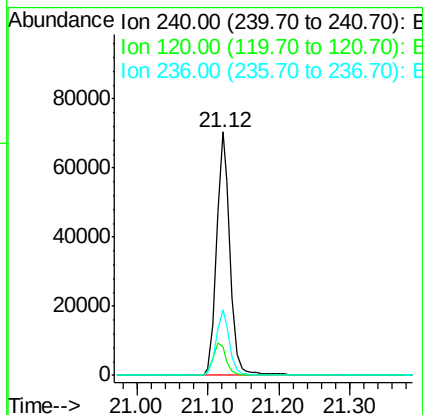
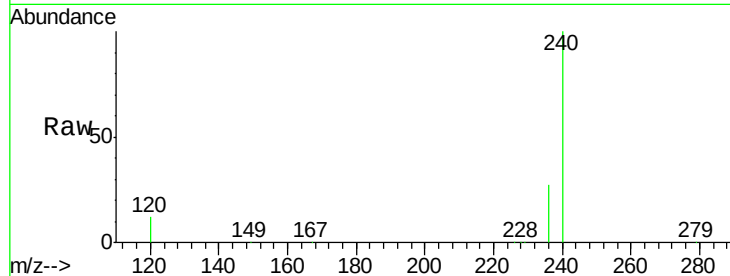




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

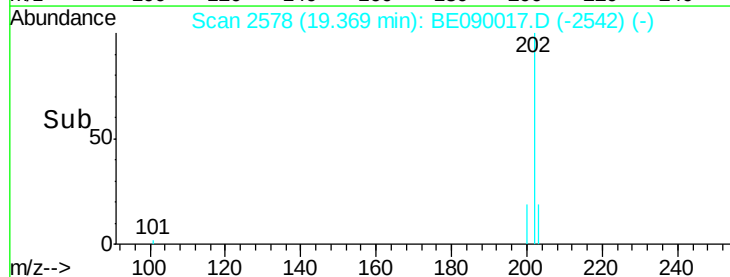
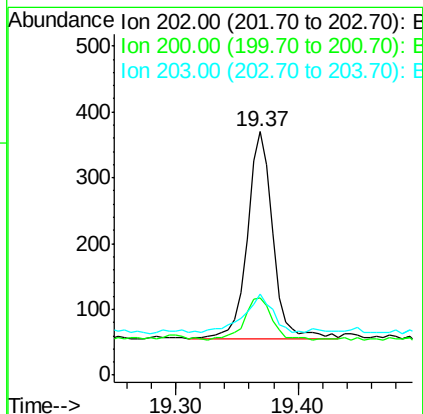
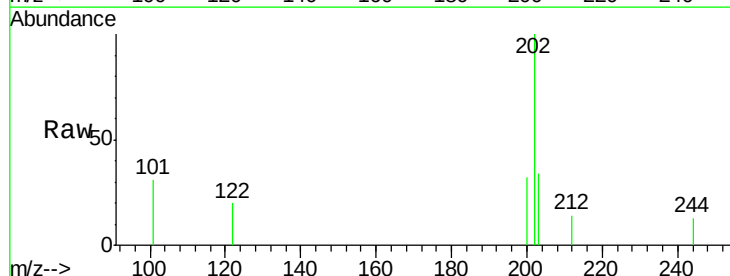
Instrument :
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X1SB0650204-150626

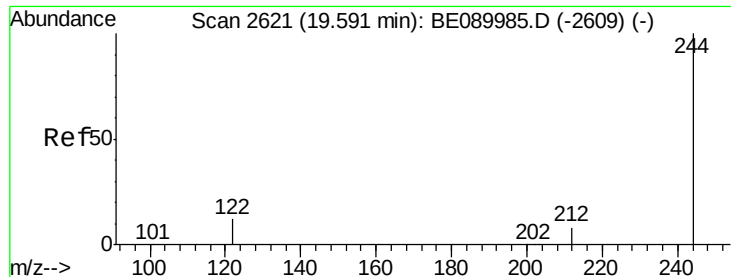
Tgt Ion:240 Resp: 92372
Ion Ratio Lower Upper
240 100
120 12.0 6.9 10.3#
236 26.8 20.8 31.2



#26
Pyrene
Concen: 0.02 ng
RT: 19.37 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BE090017.D
Acq: 30 Jun 2015 19:07

Tgt Ion:202 Resp: 455
Ion Ratio Lower Upper
202 100
200 23.1 16.8 25.2
203 20.4 13.9 20.9





#27

Terphenyl-d14

Concen: 4.48 ng

RT: 19.58 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

ClientSampleId :

X1SB0650204-150626

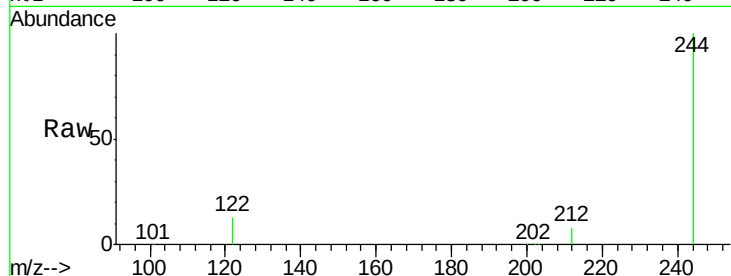
Tgt Ion:244 Resp: 68933

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

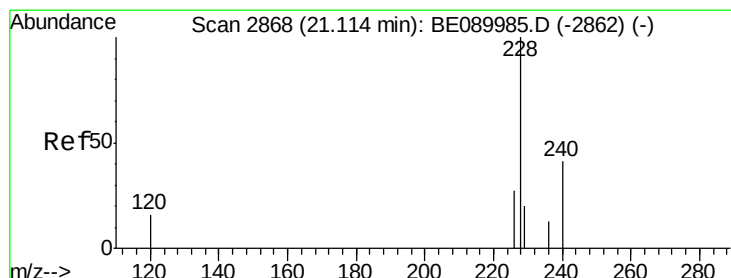
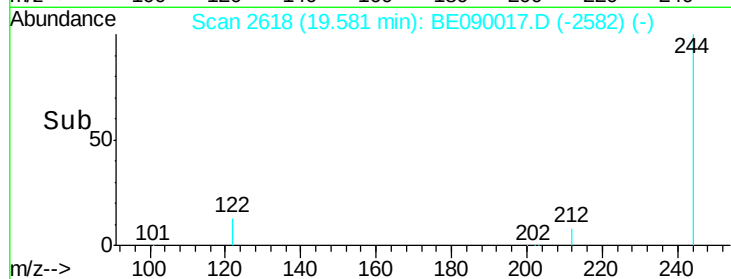
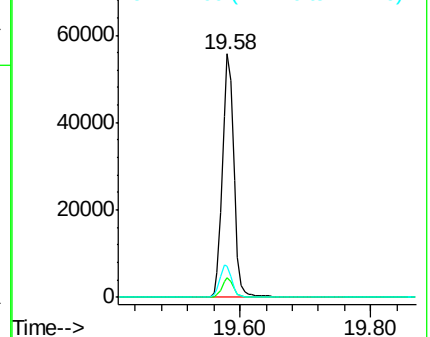
122 13.0 9.8 14.8



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: 21.11 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

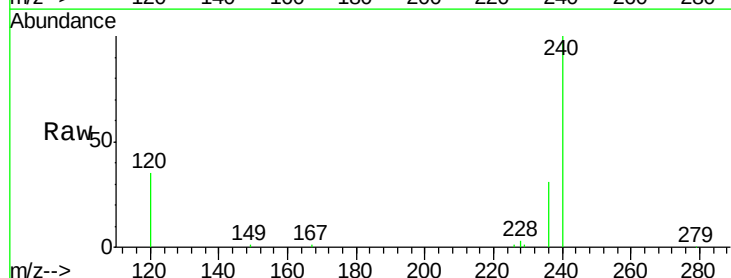
Tgt Ion:228 Resp: 737

Ion Ratio Lower Upper

228 100

226 34.4 21.8 32.6#

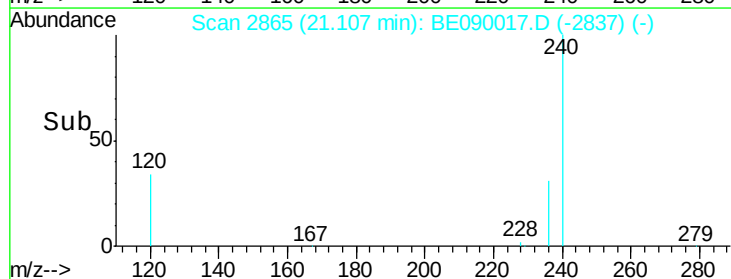
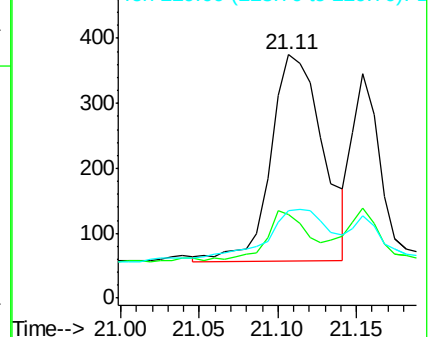
229 36.0 15.8 23.6#

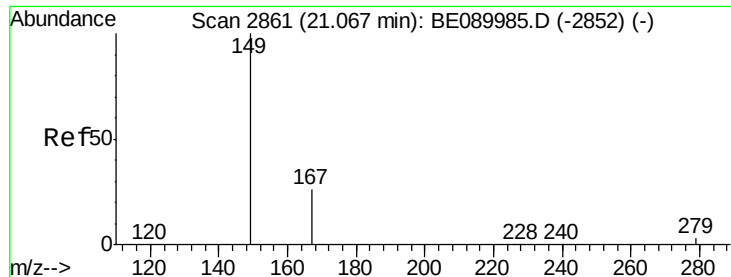


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.05 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

ClientSampleId :

X1SB0650204-150626

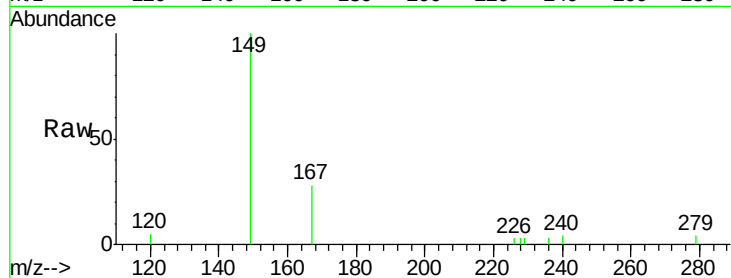
Tgt Ion:149 Resp: 2197

Ion Ratio Lower Upper

149 100

167 26.4 20.3 30.5

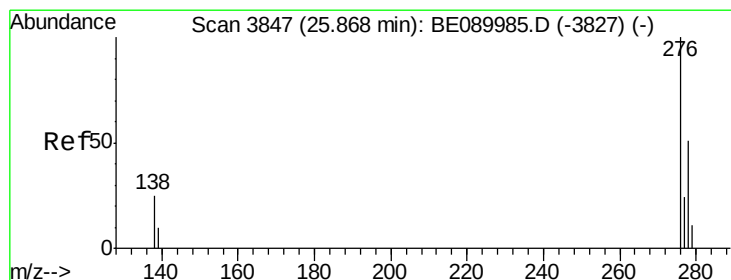
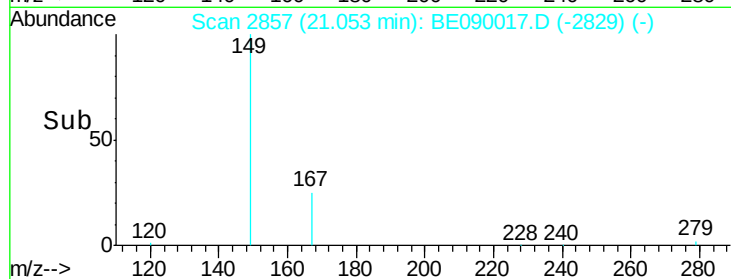
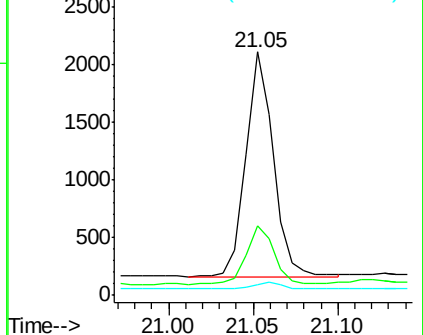
279 3.4 2.6 3.8



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: 0.03 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

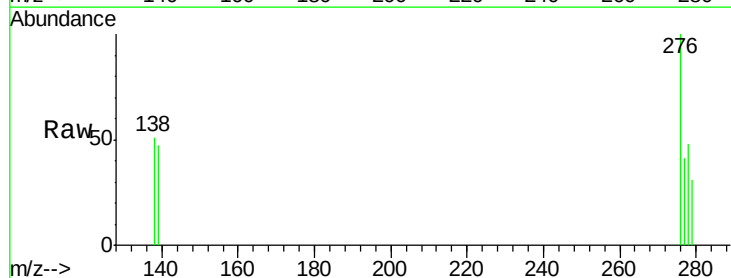
Tgt Ion:276 Resp: 663

Ion Ratio Lower Upper

276 100

138 30.2 21.3 31.9

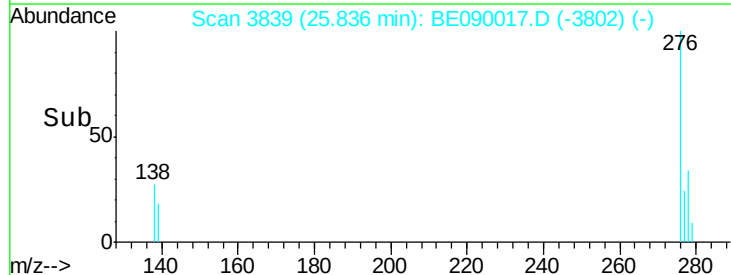
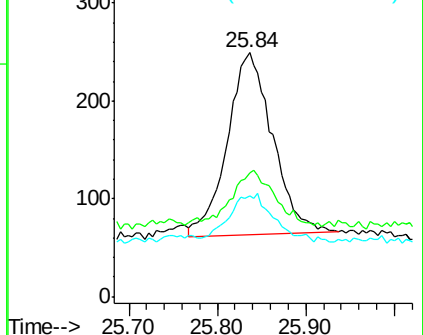
277 25.6 19.7 29.5

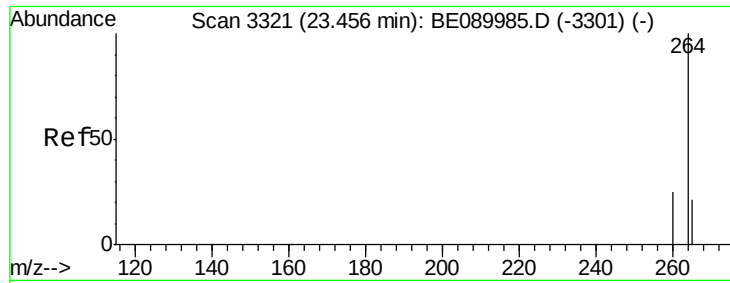


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

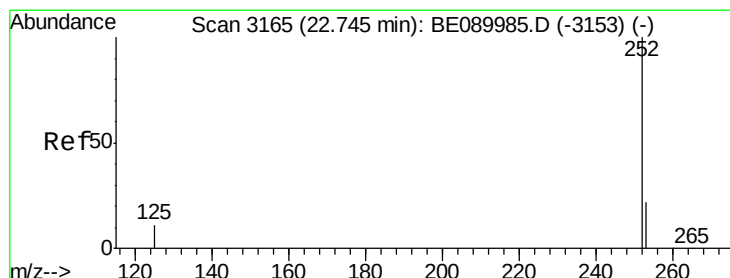
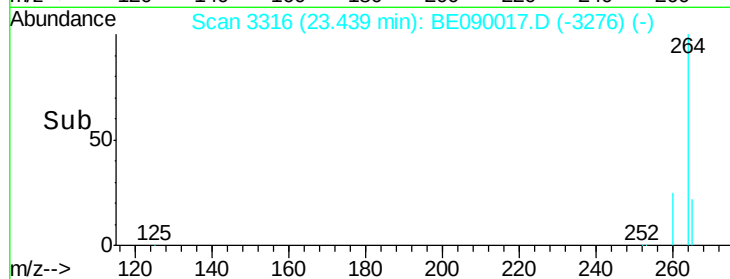
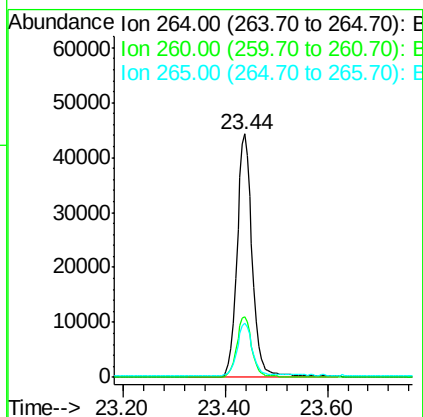
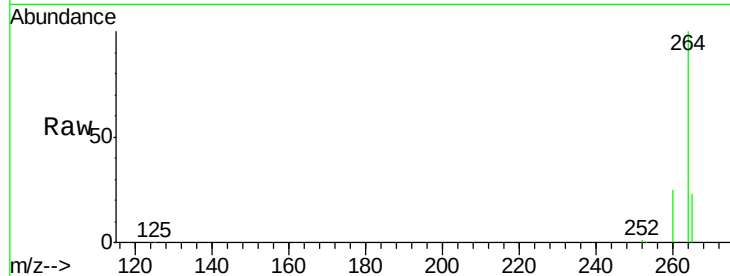




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3316
 Delta R.T. -0.02 min
 Lab File: BE090017.D
 Acq: 30 Jun 2015 19:07

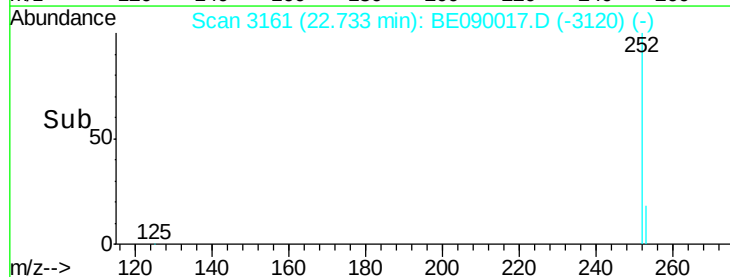
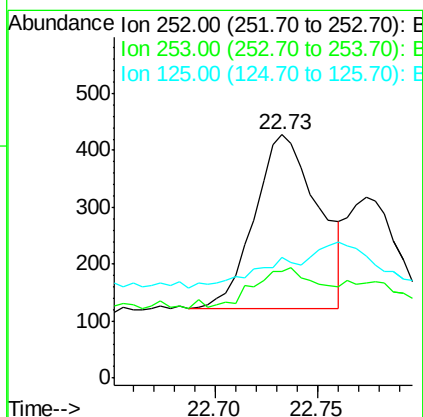
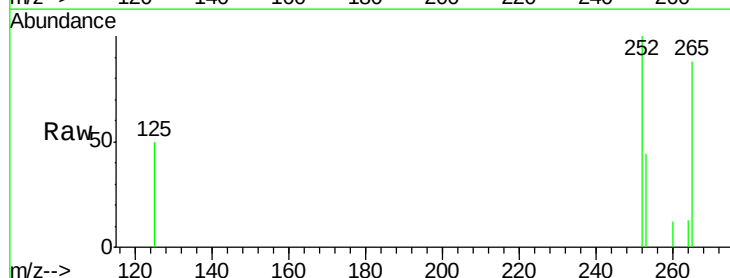
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0650204-150626

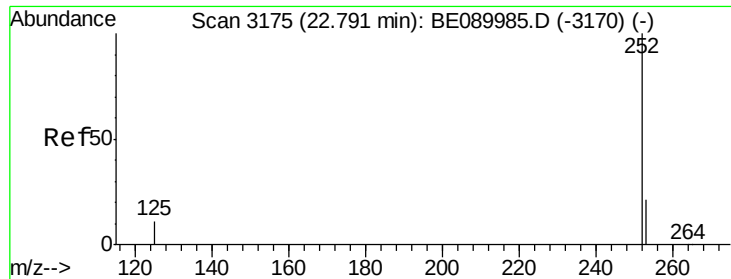
Tgt Ion: 264 Resp: 91121
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.2 30.2
 265 22.5 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.73 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE090017.D
 Acq: 30 Jun 2015 19:07

Tgt Ion: 252 Resp: 657
 Ion Ratio Lower Upper
 252 100
 253 43.7 17.8 26.8#
 125 49.5 9.0 13.4#





#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.06 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

ClientSampleId :

X1SB0650204-150626

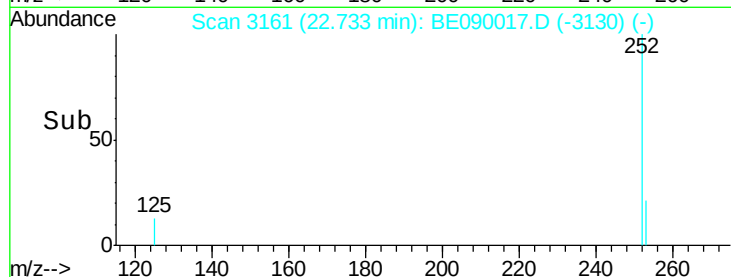
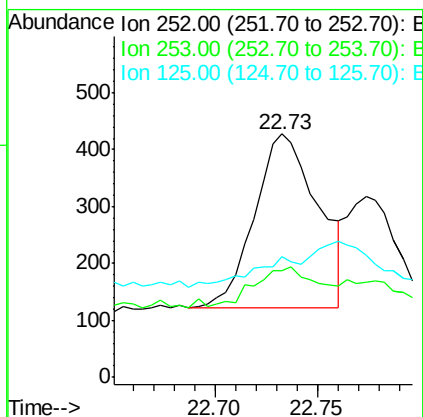
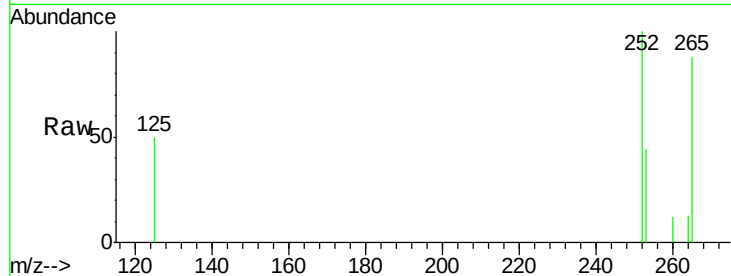
Tgt Ion: 252 Resp: 657

Ion Ratio Lower Upper

252 100

253 43.7 17.5 26.3#

125 49.5 9.5 14.3#



#35

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090017.D

Acq: 30 Jun 2015 19:07

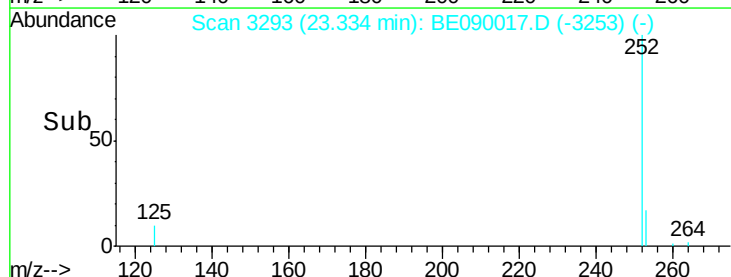
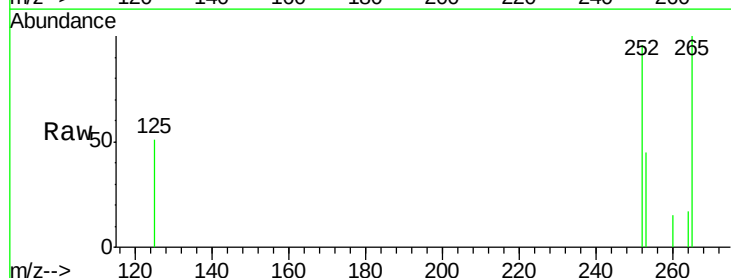
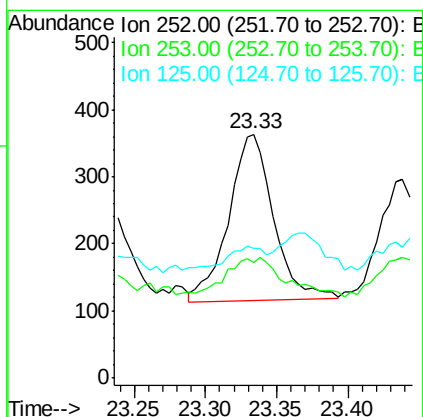
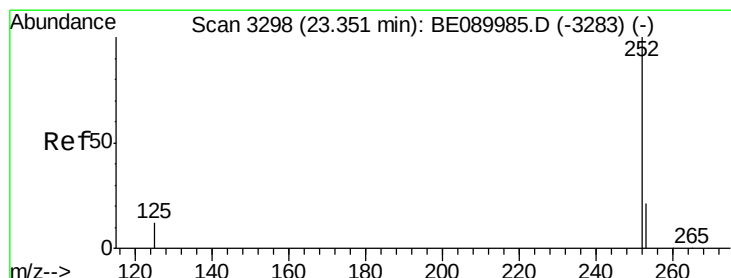
Tgt Ion: 252 Resp: 546

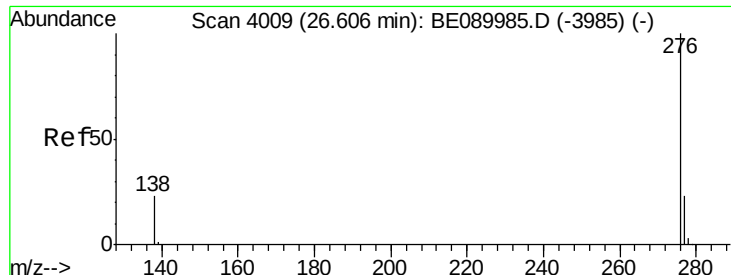
Ion Ratio Lower Upper

252 100

253 47.4 17.4 26.2#

125 53.4 10.5 15.7#





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.57 min Scan# 4000

Delta R.T. -0.04 min

Lab File: BE090017.D

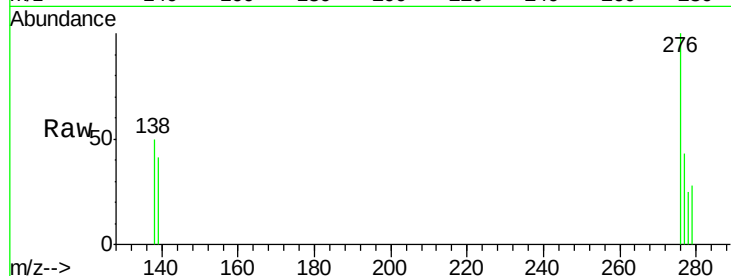
Acq: 30 Jun 2015 19:07

Instrument :

BNA_E

ClientSampleId :

X1SB0650204-150626



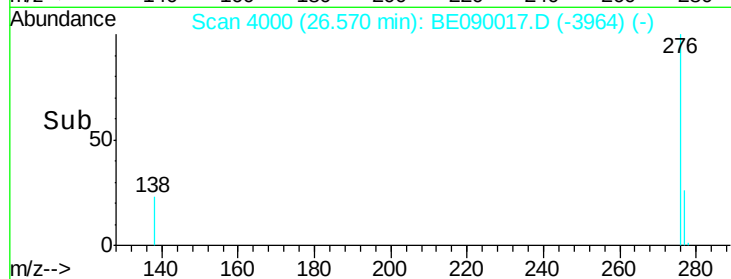
Tgt Ion: 276 Resp: 586

Ion Ratio Lower Upper

276 100

277 43.5 18.8 28.2#

138 49.8 18.6 27.8#



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

26.57

200

150

100

50

0

26.50 26.60 26.70

Time-->