

Data Path : Z:\HPCHEM1\BNA_E\Data\BE090415\
 Data File : BE090724.D
 Acq On : 4 Sep 2015 11:33
 Operator : UM/IZ
 Sample : G3521-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0840006-20150901

Quant Time: Sep 04 13:18:07 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	42252	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	187806	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	103464	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	259304	5.00	ng	0.00
25) Chrysene-d12	21.07	240	344098	5.00	ng	0.00
32) Perylene-d12	23.36	264	324641	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	88567	10.75	ng	0.00
5) Phenol-d6	6.74	99	127626	10.85	ng	0.00
7) Nitrobenzene-d5	8.71	82	56364	4.54	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	32192	10.55	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	113524	3.96	ng	0.00
27) Terphenyl-d14	19.53	244	213659	5.61	ng	-0.01

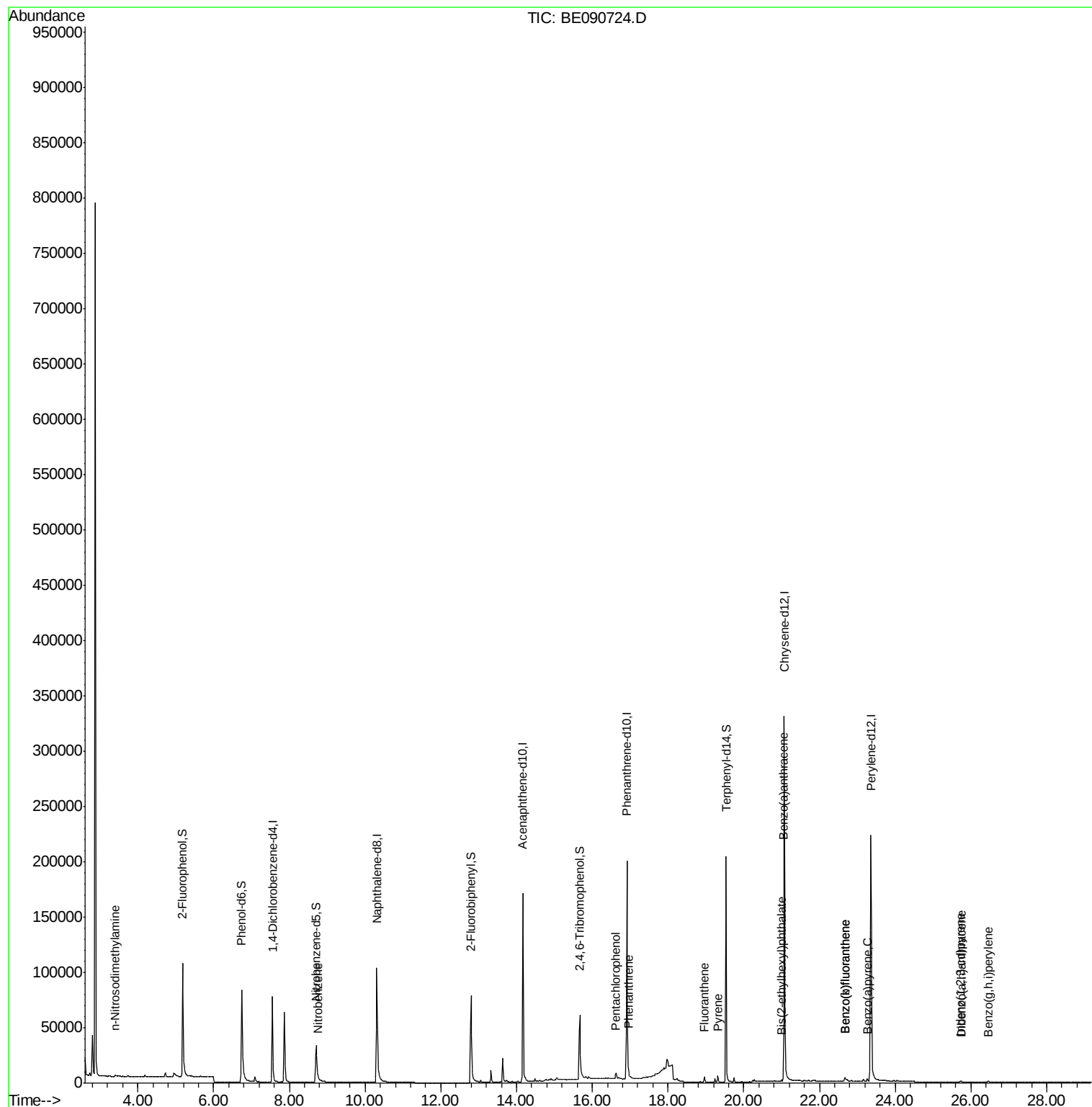
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	76	Below Cal	#	1
3) n-Nitrosodimethylamine	3.40	42	782	0.02	ng	1
8) Nitrobenzene	8.77	77	41	0.11	ng	66
20) Hexachlorobenzene	16.27	284	109	Below Cal	#	31
21) Pentachlorophenol	16.61	266	109	0.49	ng	66
22) Phenanthrene	16.96	178	2350	0.04	ng	80
24) Fluoranthene	18.96	202	5432	0.08	ng	96
26) Pyrene	19.32	202	5490	0.08	ng	96
28) Benzo(a)anthracene	21.05	228	4849	0.05	ng	95
29) Chrysene	21.11	228	4813	Below Cal	#	93
30) Bis(2-ethylhexyl)phthalate	21.00	149	1396	0.13	ng	93
31) Indeno(1,2,3-cd)pyrene	25.72	276	2644	0.03	ng	96
33) Benzo(b)fluoranthene	22.67	252	5744	0.08	ng	71
34) Benzo(k)fluoranthene	22.67	252	5744	0.07	ng	70
35) Benzo(a)pyrene	23.26	252	3267	0.05	ng	65
36) Dibenzo(a,h)anthracene	25.75	278	805	0.15	ng	18
37) Benzo(g,h,i)perylene	26.44	276	2858	0.04	ng	73

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

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ClientSampleId :

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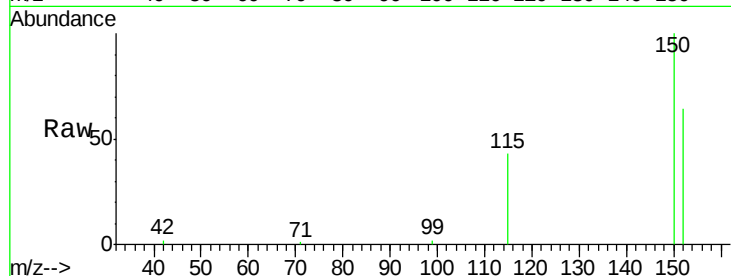
Tgt Ion:152 Resp: 42252

Ion Ratio Lower Upper

152 100

150 157.0 122.2 183.4

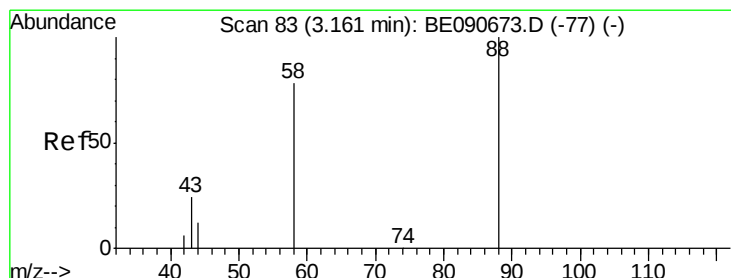
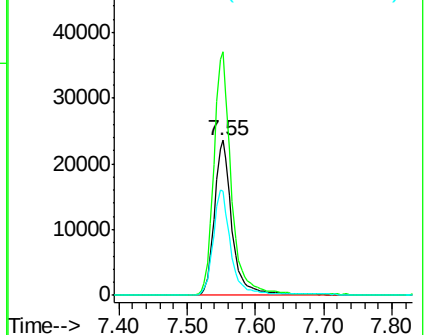
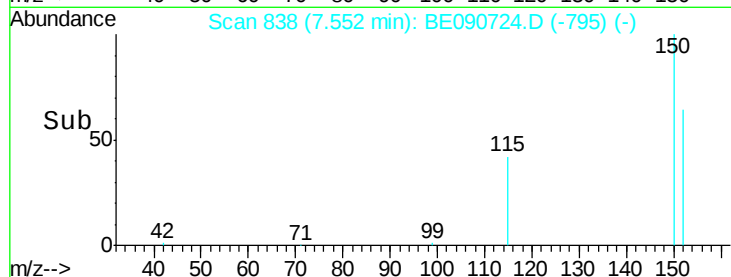
115 66.8 51.0 76.4



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: 3.26 min Scan# 97

Delta R.T. 0.10 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

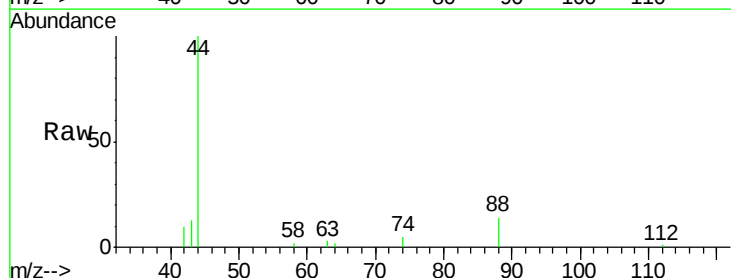
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

58 11.8 68.4 102.6#

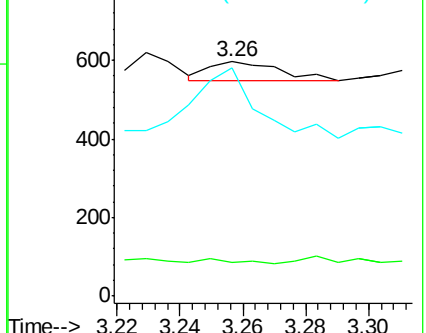
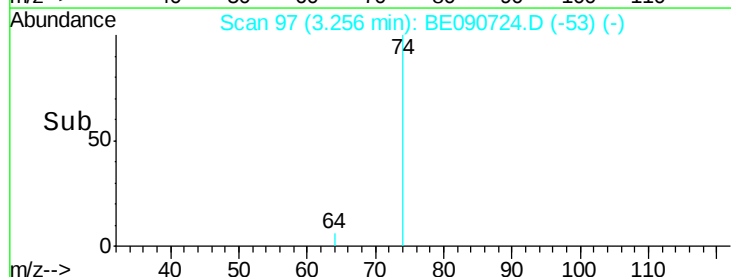
43 327.6 26.9 40.3#



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





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.40 min Scan# 118

Delta R.T. -0.05 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

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ClientSampleId :

X1SB0840006-20150901

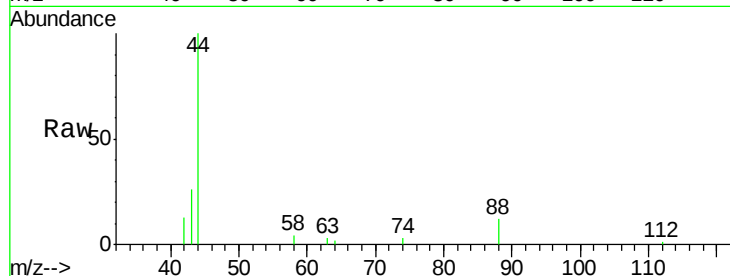
Tgt Ion: 42 Resp: 782

Ion Ratio Lower Upper

42 100

74 5.0 83.7 125.5#

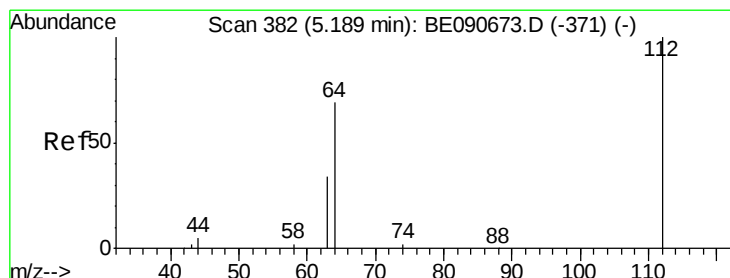
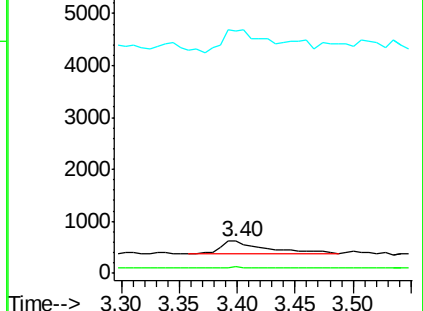
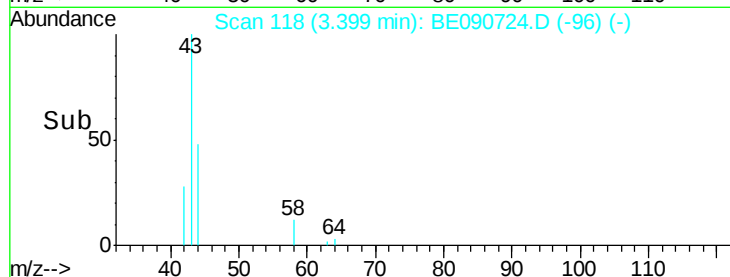
44 142.5 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 10.75 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

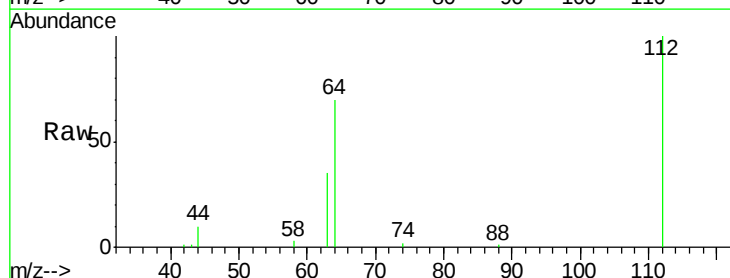
Tgt Ion: 112 Resp: 88567

Ion Ratio Lower Upper

112 100

64 71.5 57.3 85.9

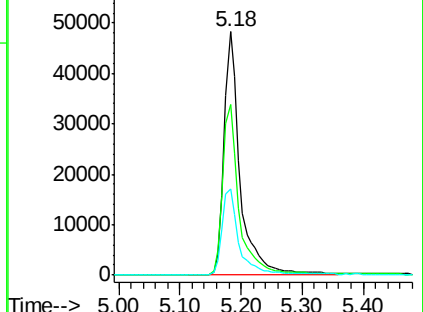
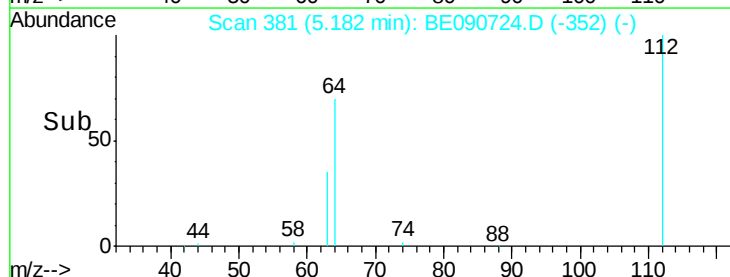
63 36.9 29.2 43.8



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: 10.85 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

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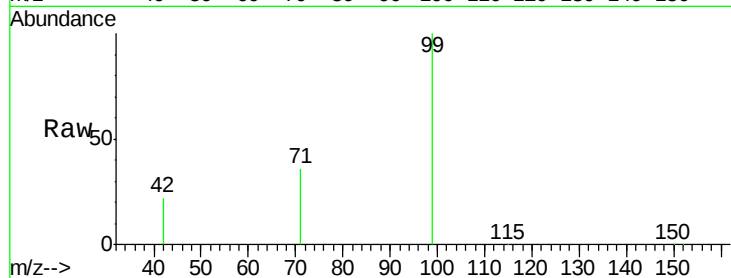
Tgt Ion: 99 Resp: 127626

Ion Ratio Lower Upper

99 100

42 21.0 16.8 25.2

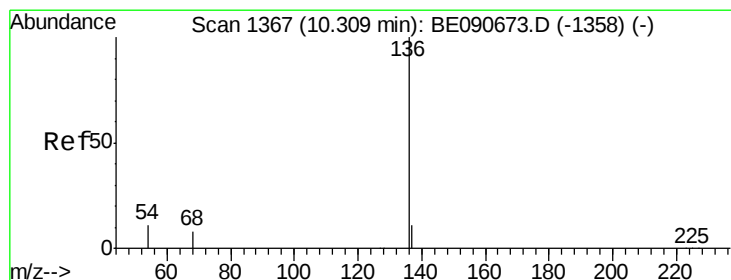
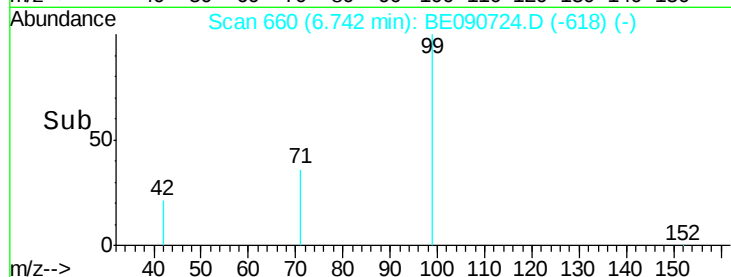
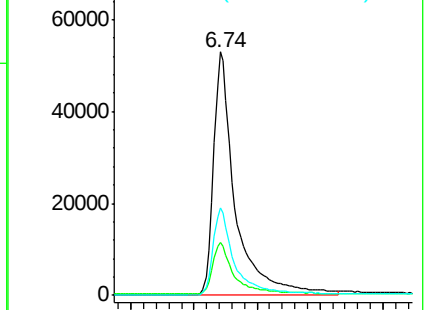
71 35.4 28.3 42.5



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: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Tgt Ion: 136 Resp: 187806

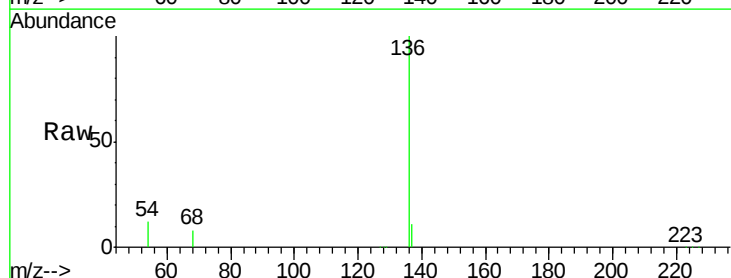
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.6 9.0 13.6

68 8.4 6.3 9.5

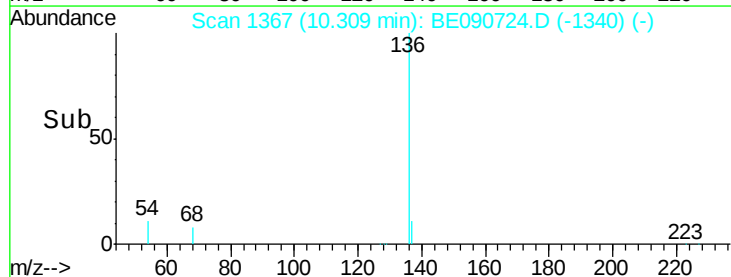
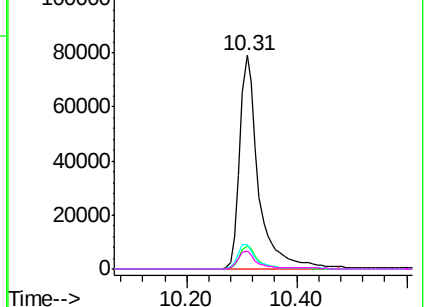


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.54 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

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X1SB0840006-20150901

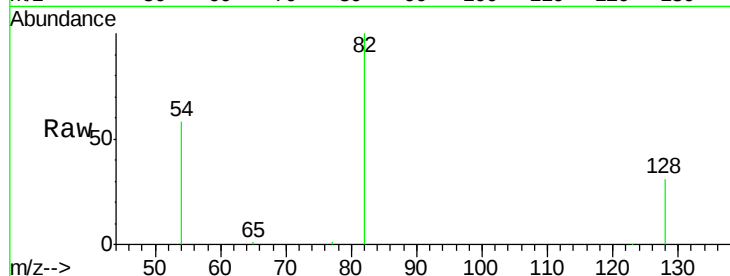
Tgt Ion: 82 Resp: 56364

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.4

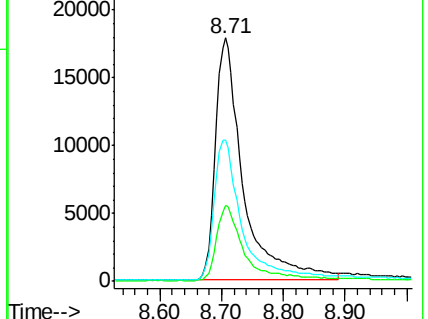
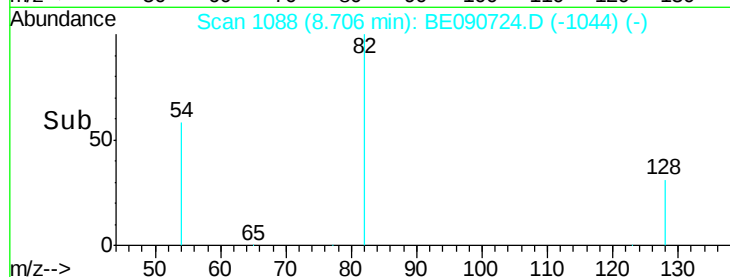
54 57.9 46.3 69.5



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



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1103

Delta R.T. 0.03 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

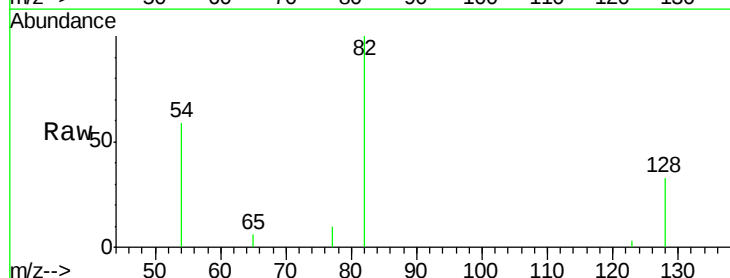
Tgt Ion: 77 Resp: 41

Ion Ratio Lower Upper

77 100

123 12.2 25.1 37.7#

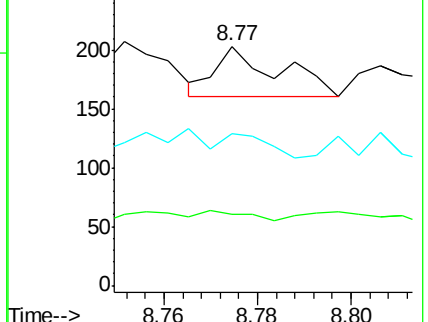
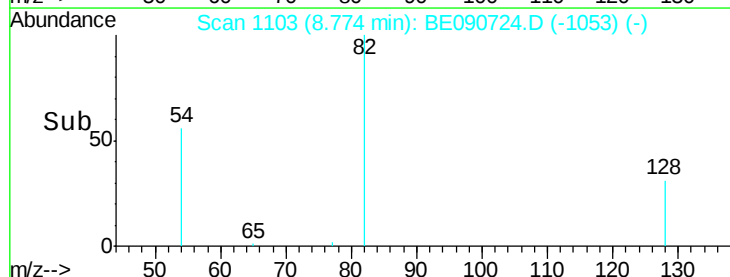
65 0.0 9.9 14.9#

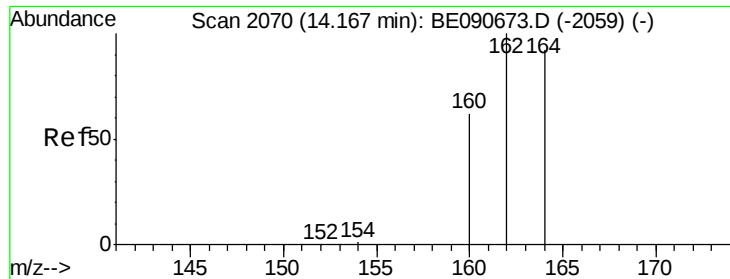


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

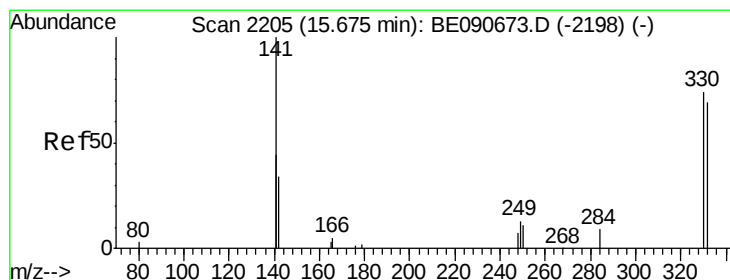
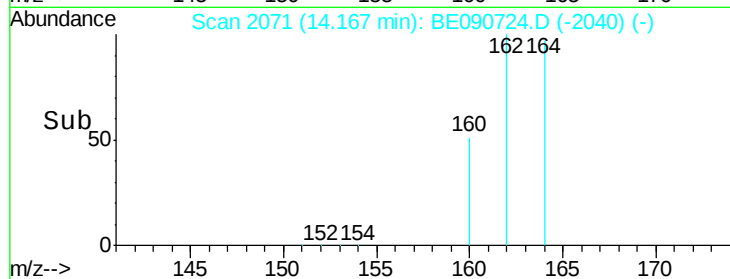
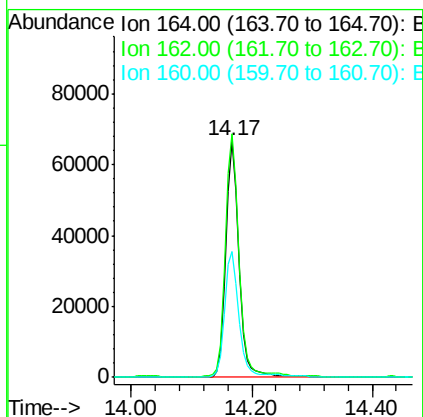
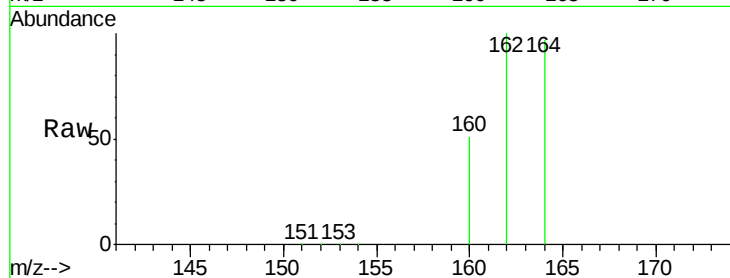




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2071
Delta R.T. 0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

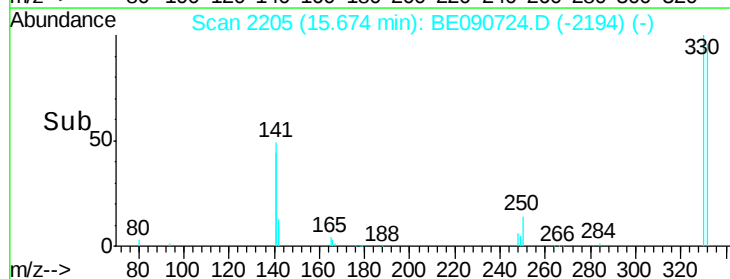
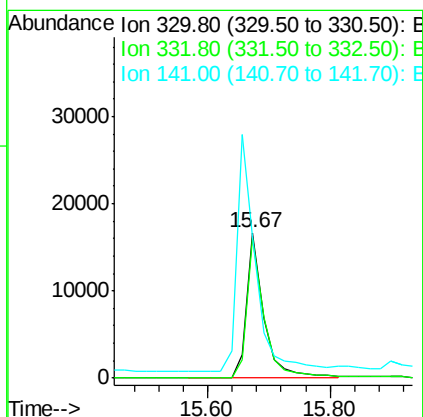
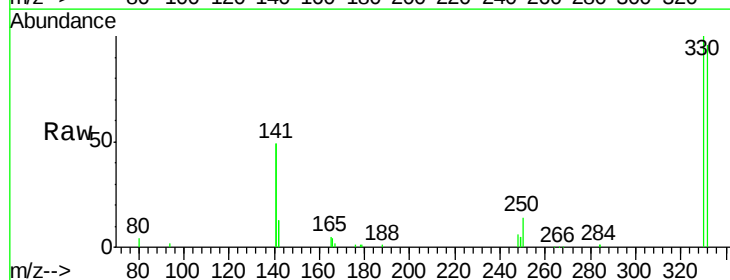
Instrument :
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X1SB0840006-20150901

Tgt Ion:164 Resp: 103464
Ion Ratio Lower Upper
164 100
162 103.1 86.8 130.2
160 53.0 53.9 80.9#



#13
2,4,6-Tribromophenol
Concen: 10.55 ng
RT: 15.67 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

Tgt Ion:330 Resp: 32192
Ion Ratio Lower Upper
330 100
332 96.7 74.9 112.3
141 180.7 145.2 217.8

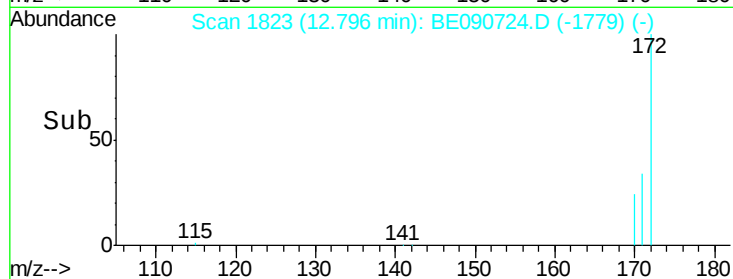
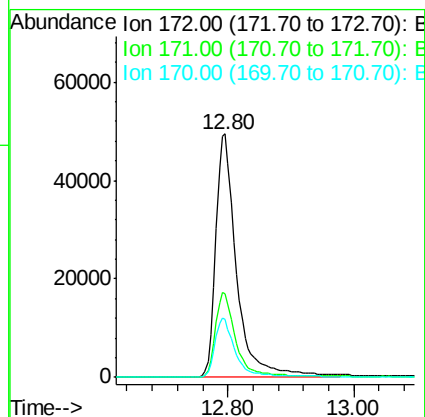
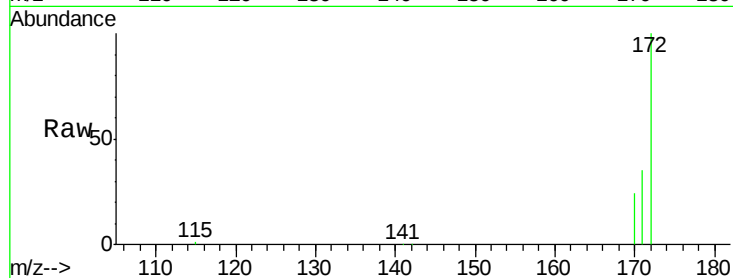




#14
2-Fluorobiphenyl
Concen: 3.96 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

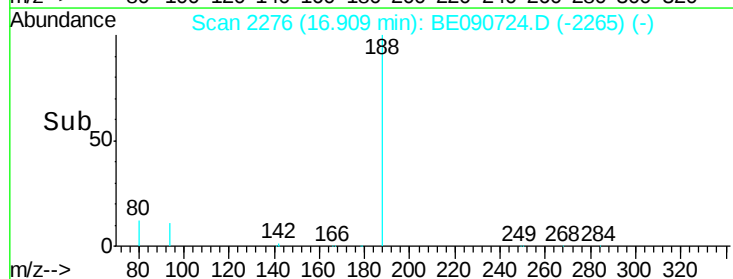
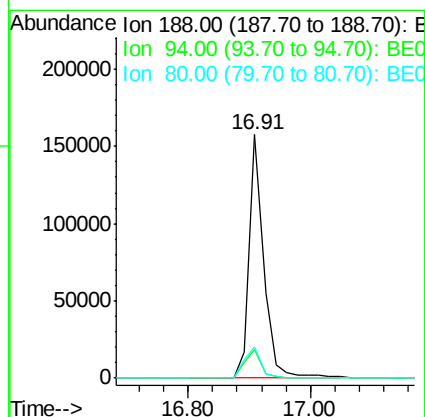
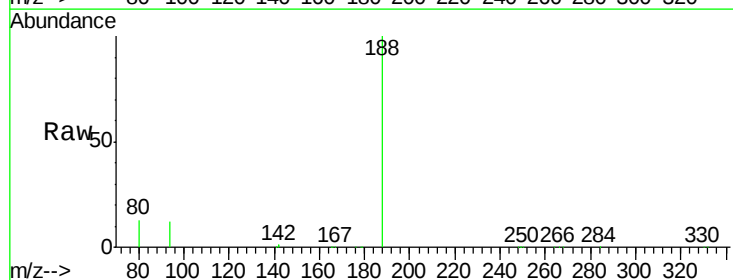
Instrument :
BNA_E
ClientSampleId :
X1SB0840006-20150901

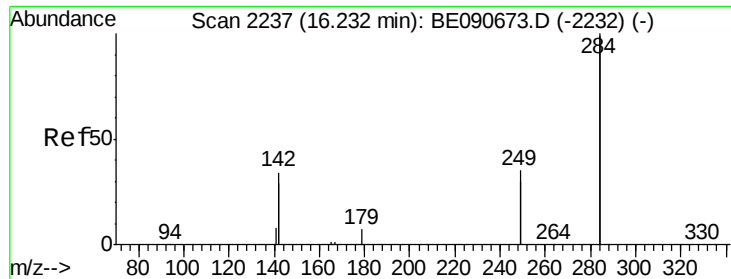
Tgt Ion:172 Resp: 113524
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.8
170 23.7 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

Tgt Ion:188 Resp: 259304
Ion Ratio Lower Upper
188 100
94 11.6 10.3 15.5
80 12.6 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2239

Delta R.T. 0.03 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901

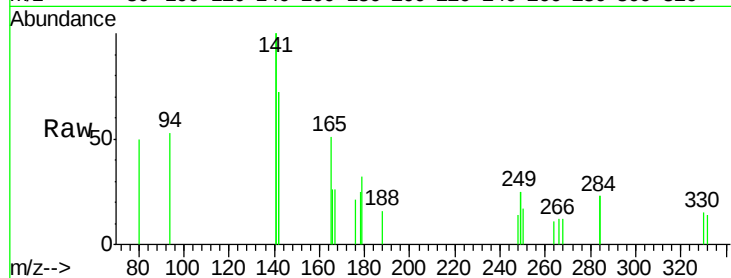
Tgt Ion:284 Resp: 109

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

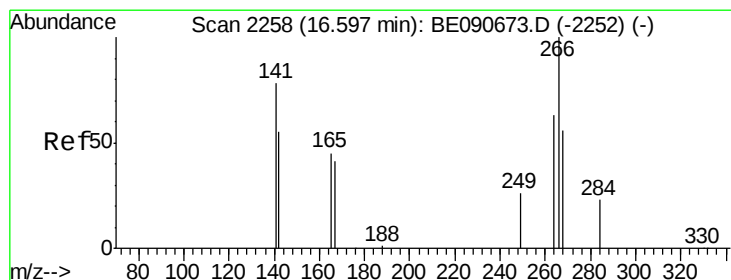
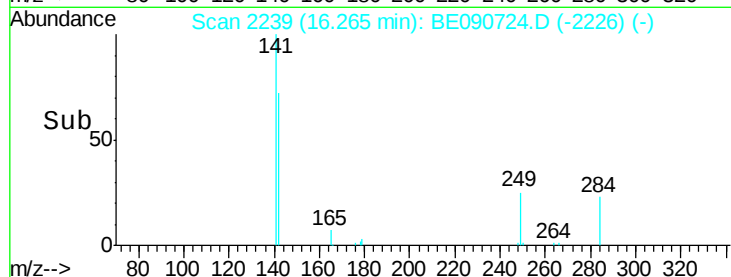
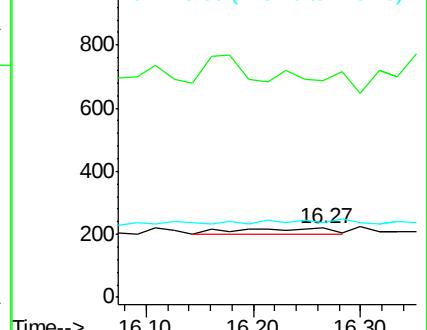
249 71.6 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.49 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

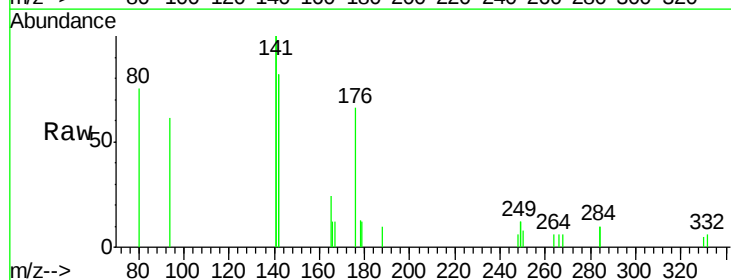
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

268 97.0 49.6 74.4#

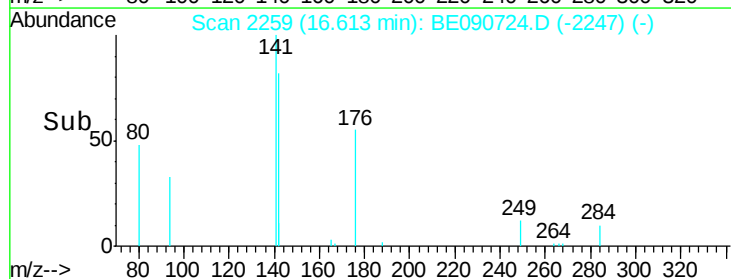
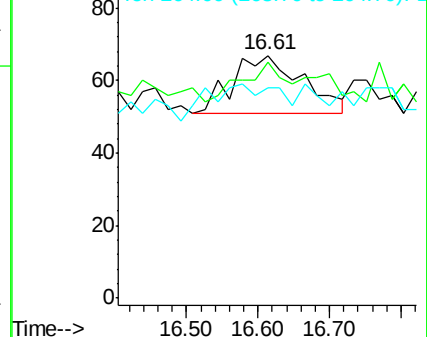
264 86.6 53.9 80.9#

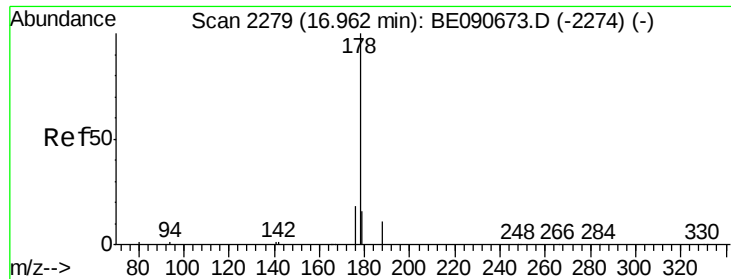


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.04 ng

RT: 16.96 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

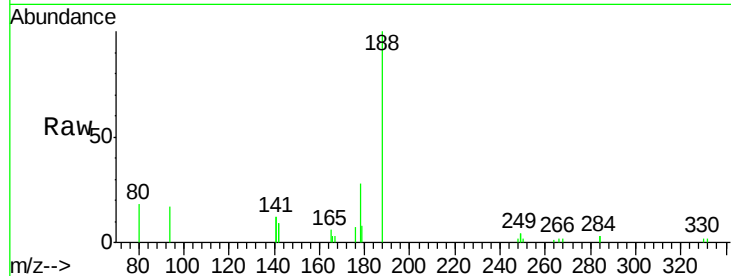
BNA_E

ClientSampleId :

X1SB0840006-20150901

Tgt Ion:178 Resp: 2350

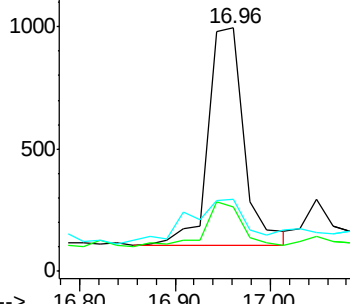
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.6	23.4
179	33.0	12.8	19.2#



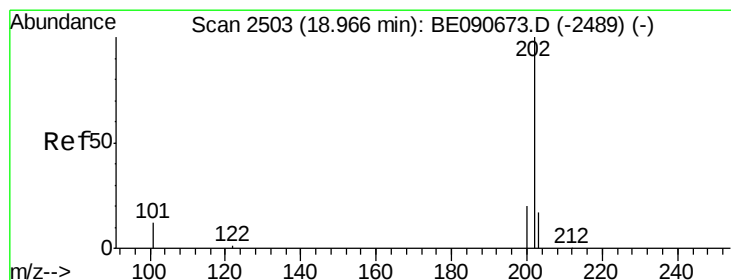
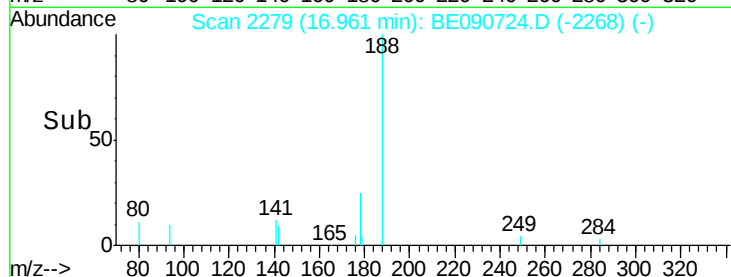
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Fluoranthene

Concen: 0.08 ng

RT: 18.96 min Scan# 2502

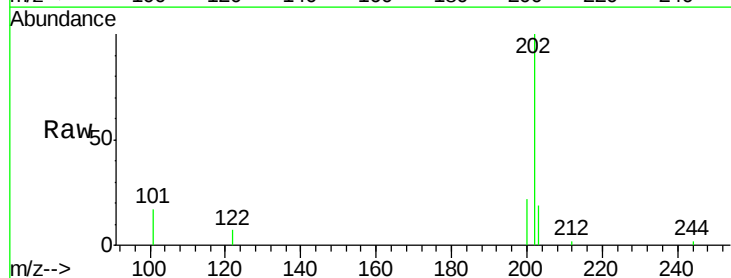
Delta R.T. -0.01 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Tgt Ion:202 Resp: 5432

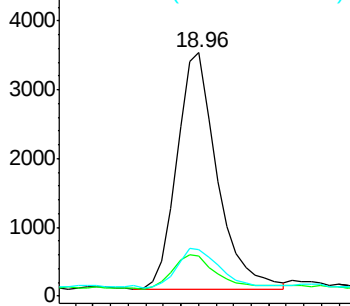
Ion	Ratio	Lower	Upper
202	100		
101	16.9	11.0	16.6#
203	17.8	13.9	20.9



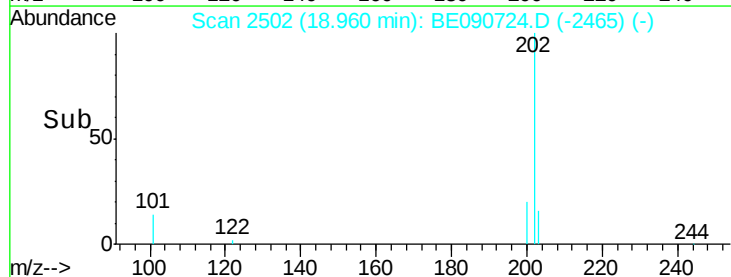
Abundance Ion 202.00 (201.70 to 202.70): E

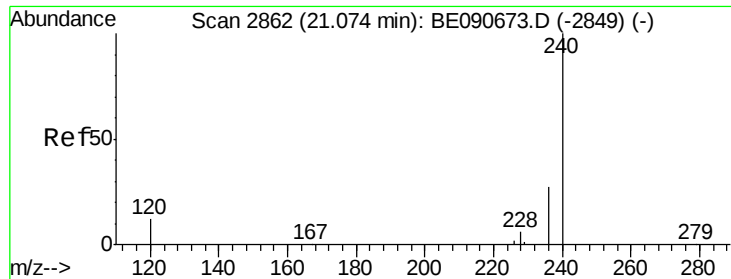
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901

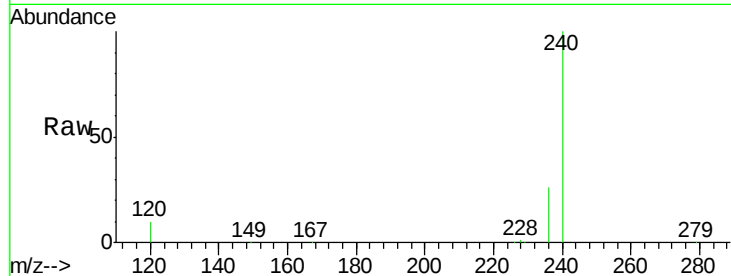
Tgt Ion:240 Resp: 344098

Ion Ratio Lower Upper

240 100

120 10.1 10.1 15.1

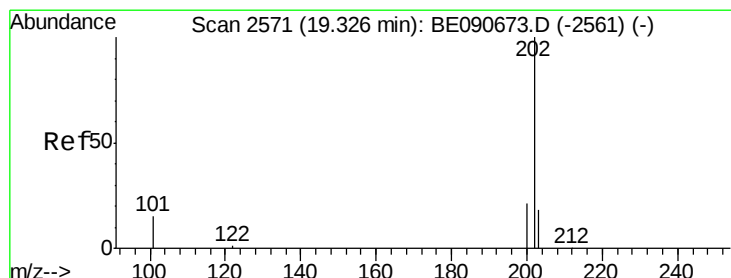
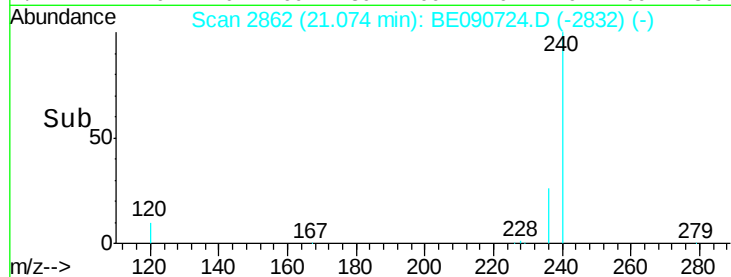
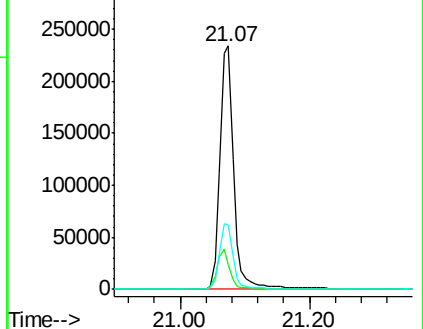
236 26.4 21.9 32.9



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



#26

Pyrene

Concen: 0.08 ng

RT: 19.32 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

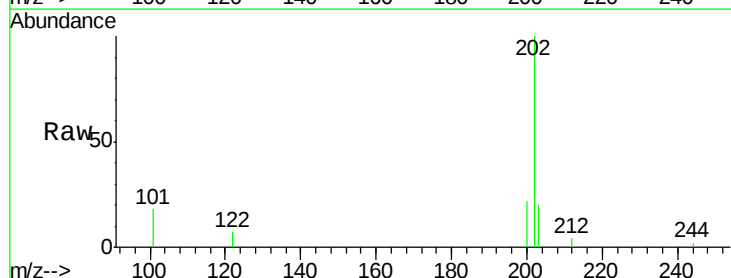
Tgt Ion:202 Resp: 5490

Ion Ratio Lower Upper

202 100

200 22.5 16.7 25.1

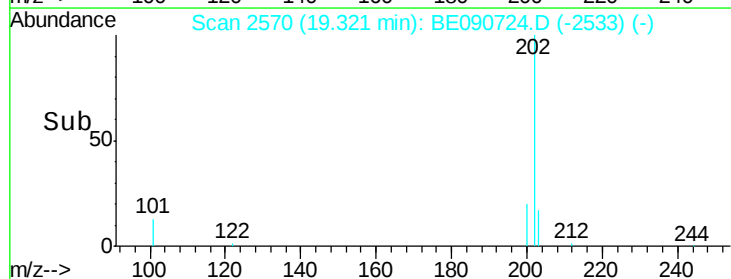
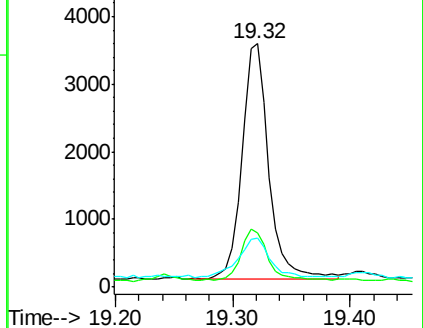
203 19.6 13.8 20.6

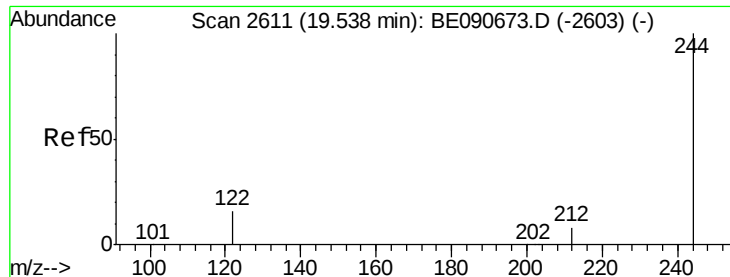


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

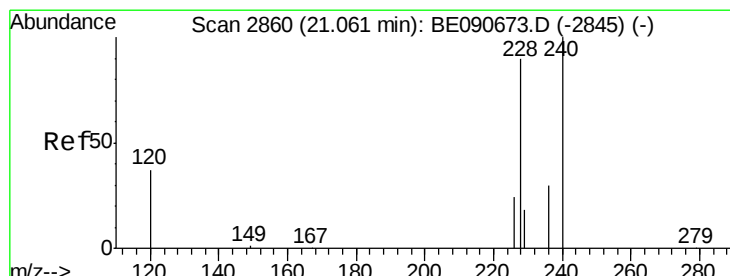
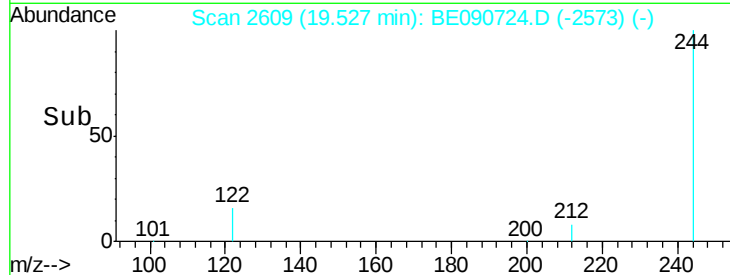
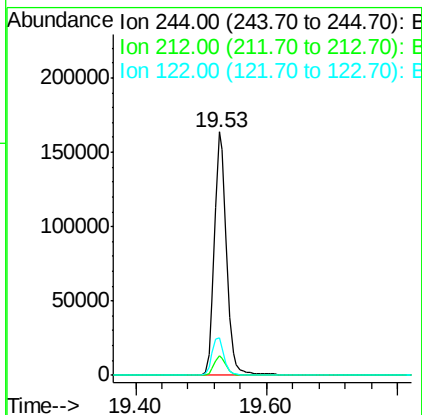
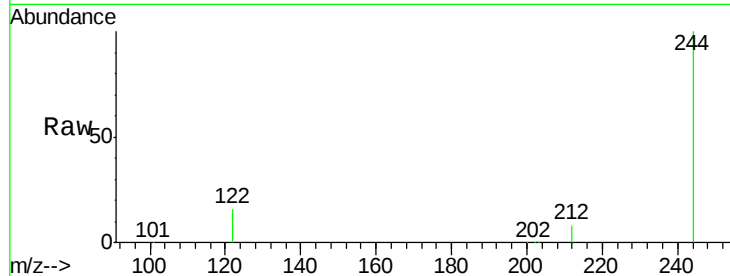




#27
 Terphenyl-d14
 Concen: 5.61 ng
 RT: 19.53 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

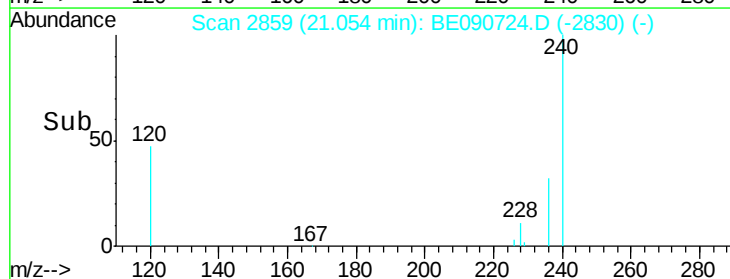
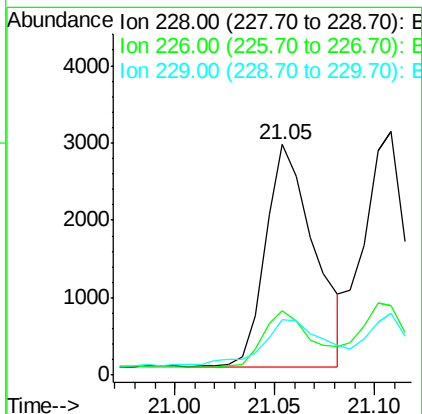
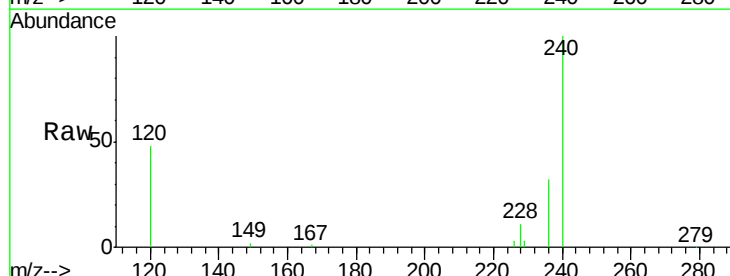
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0840006-20150901

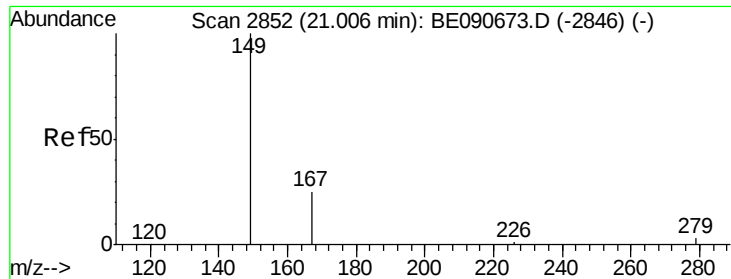
Tgt Ion:244 Resp: 213659
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 15.6 12.9 19.3



#28
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.05 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

Tgt Ion:228 Resp: 4849
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 24.0 15.9 23.9#

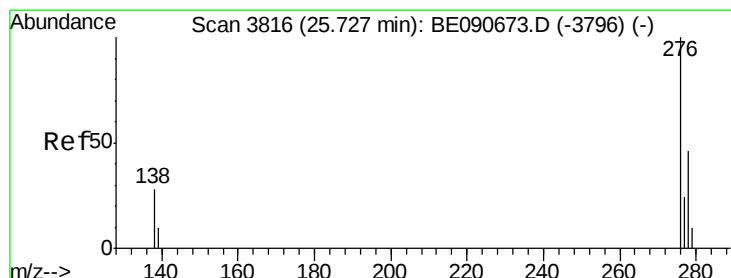
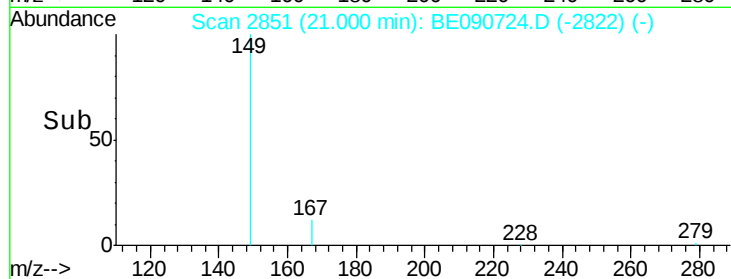
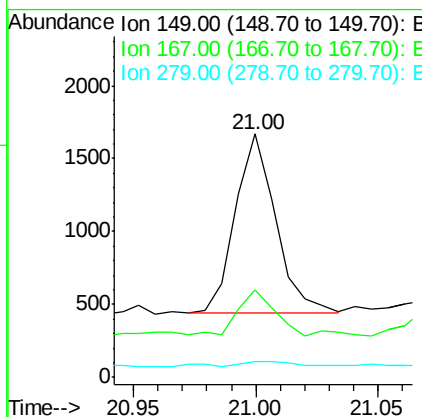
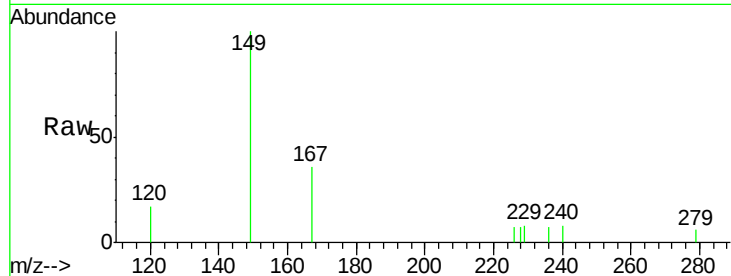




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.13 ng
 RT: 21.00 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

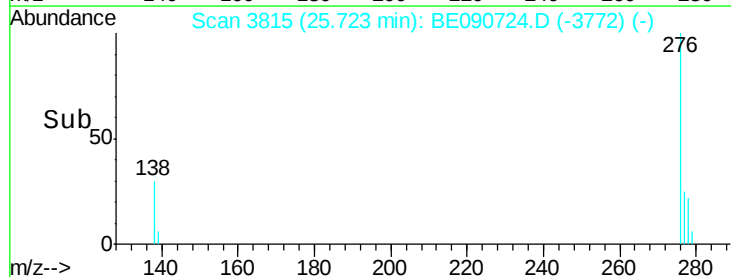
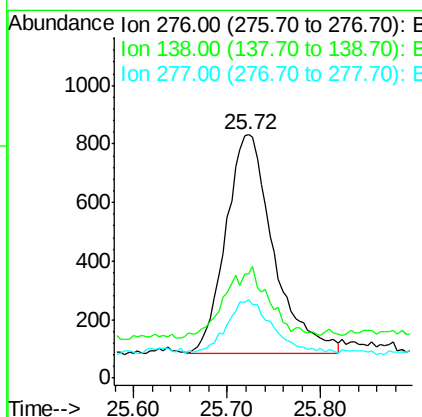
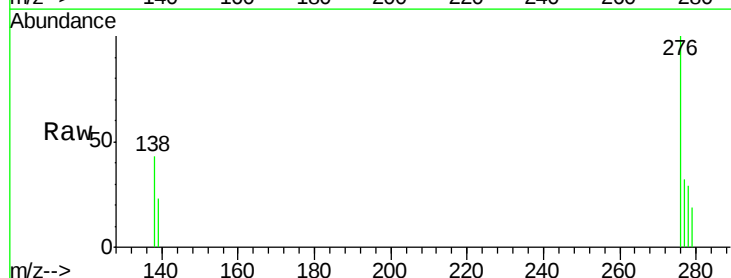
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0840006-20150901

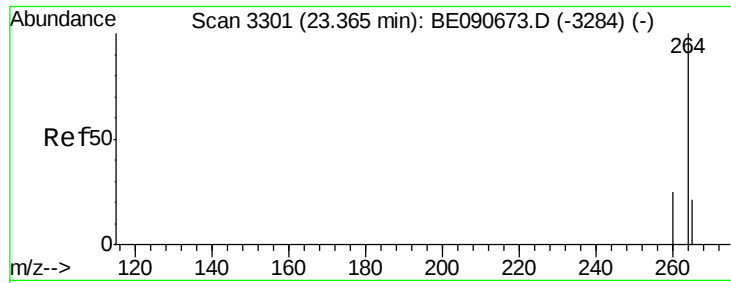
Tgt Ion: 149 Resp: 1396
 Ion Ratio Lower Upper
 149 100
 167 29.0 20.1 30.1
 279 3.7 2.3 3.5#



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.72 min Scan# 3815
 Delta R.T. -0.00 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

Tgt Ion: 276 Resp: 2644
 Ion Ratio Lower Upper
 276 100
 138 31.3 23.3 34.9
 277 23.1 19.8 29.6

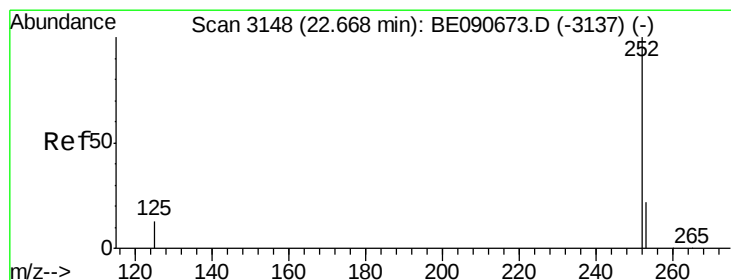
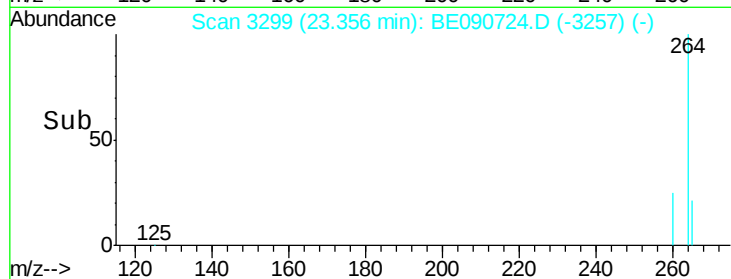
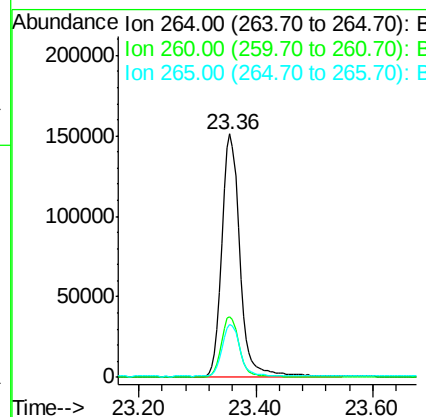
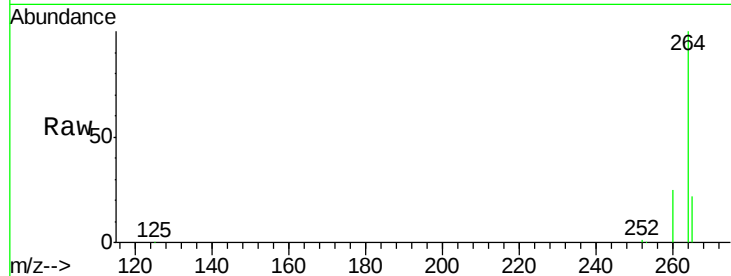




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

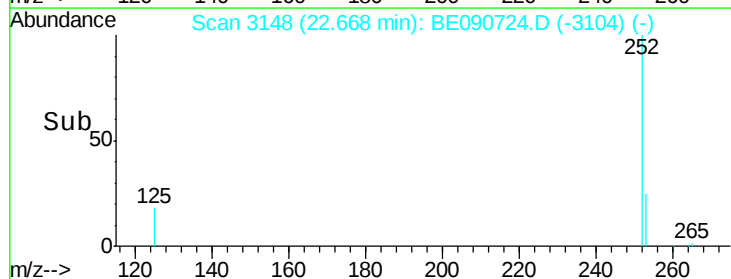
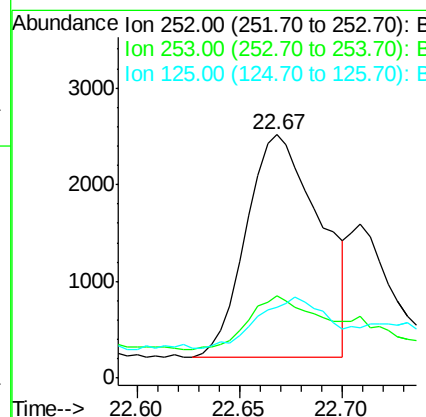
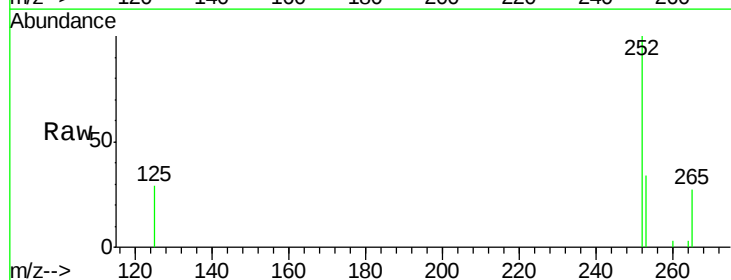
Instrument :
BNA_E
ClientSampleId :
X1SB0840006-20150901

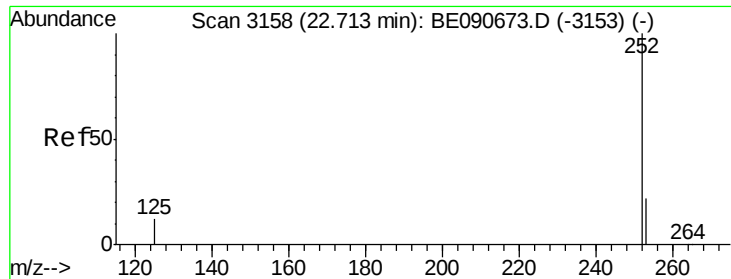
Tgt Ion: 264 Resp: 324641
Ion Ratio Lower Upper
264 100
260 25.1 19.7 29.5
265 21.6 17.5 26.3



#33
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.67 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

Tgt Ion: 252 Resp: 5744
Ion Ratio Lower Upper
252 100
253 33.6 17.9 26.9#
125 29.0 10.6 16.0#





#34

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 22.67 min Scan# 3148

Delta R.T. -0.05 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901

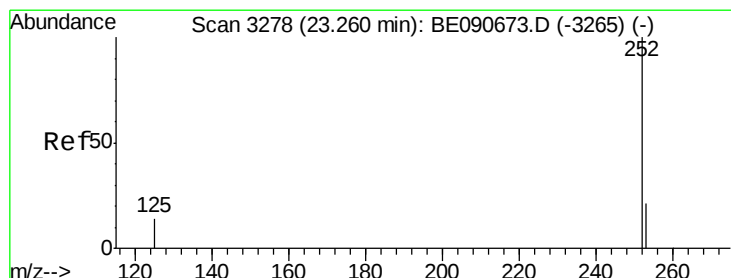
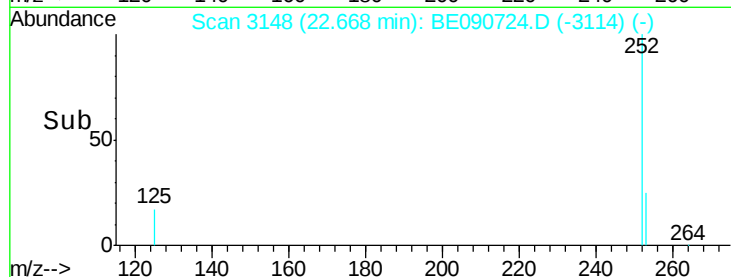
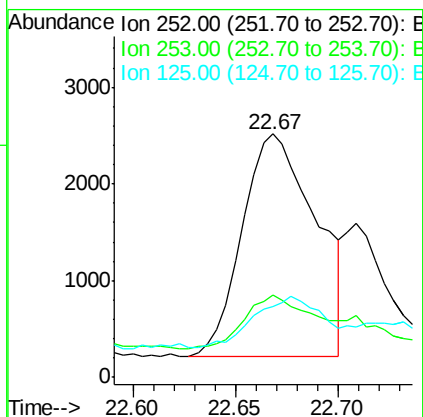
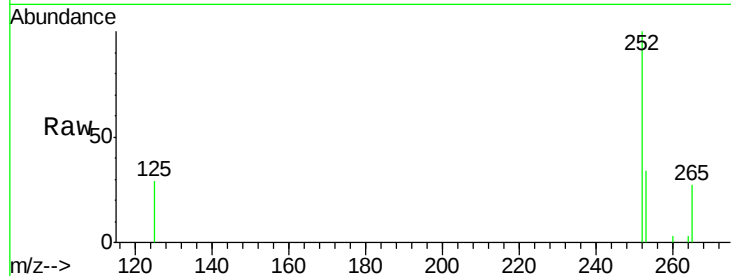
Tgt Ion:252 Resp: 5744

Ion Ratio Lower Upper

252 100

253 33.6 17.9 26.9#

125 29.0 10.1 15.1#



#35

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.26 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

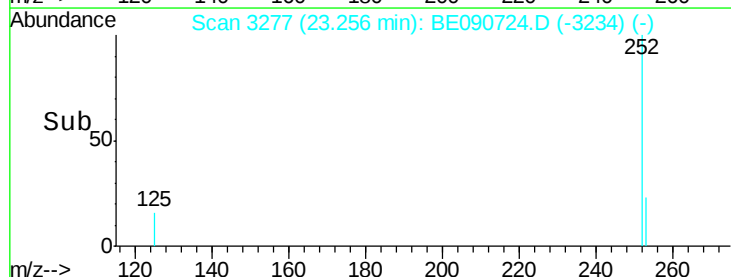
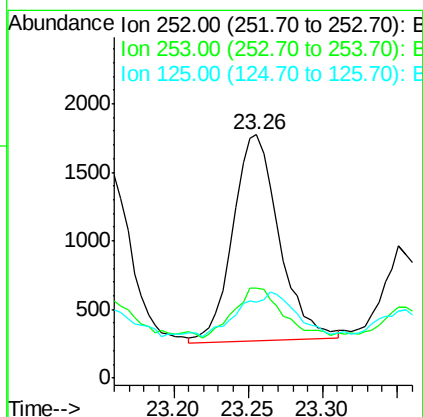
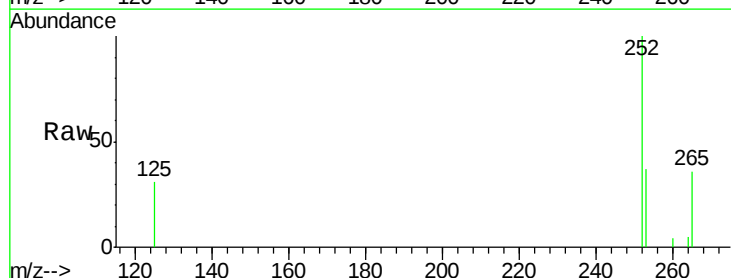
Tgt Ion:252 Resp: 3267

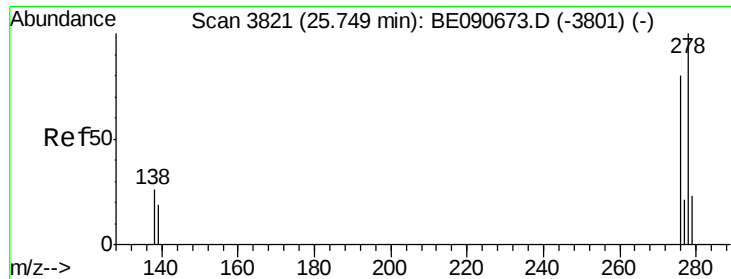
Ion Ratio Lower Upper

252 100

253 36.8 17.5 26.3#

125 31.3 11.6 17.4#

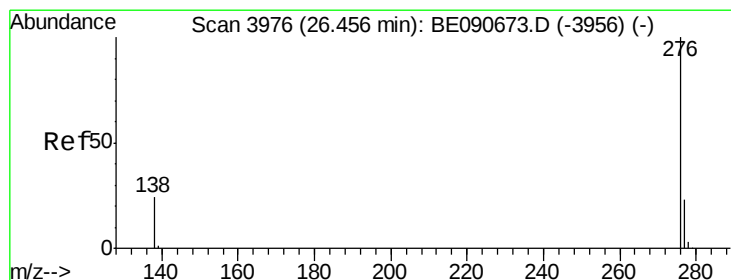
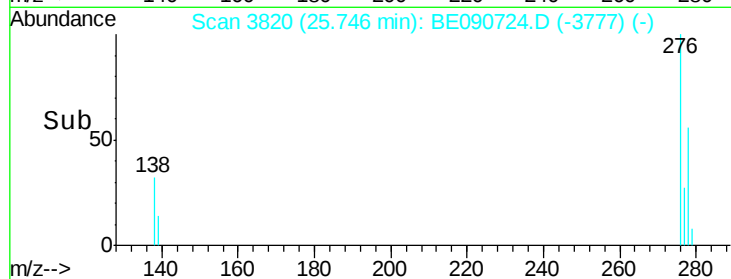
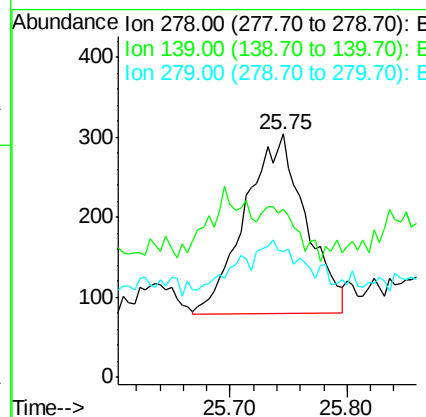
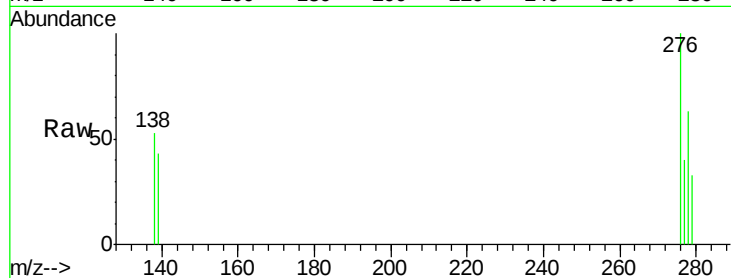




#36
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 25.75 min Scan# 3820
Delta R.T. -0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

Instrument :
BNA_E
ClientSampleId :
X1SB0840006-20150901

Tgt Ion: 278 Resp: 805
Ion Ratio Lower Upper
278 100
139 69.1 15.4 23.0#
279 52.0 18.8 28.2#



#37
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 26.44 min Scan# 3973
Delta R.T. -0.01 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

Tgt Ion: 276 Resp: 2858
Ion Ratio Lower Upper
276 100
277 31.0 18.5 27.7#
138 43.7 20.1 30.1#

