

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 13:20:07 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

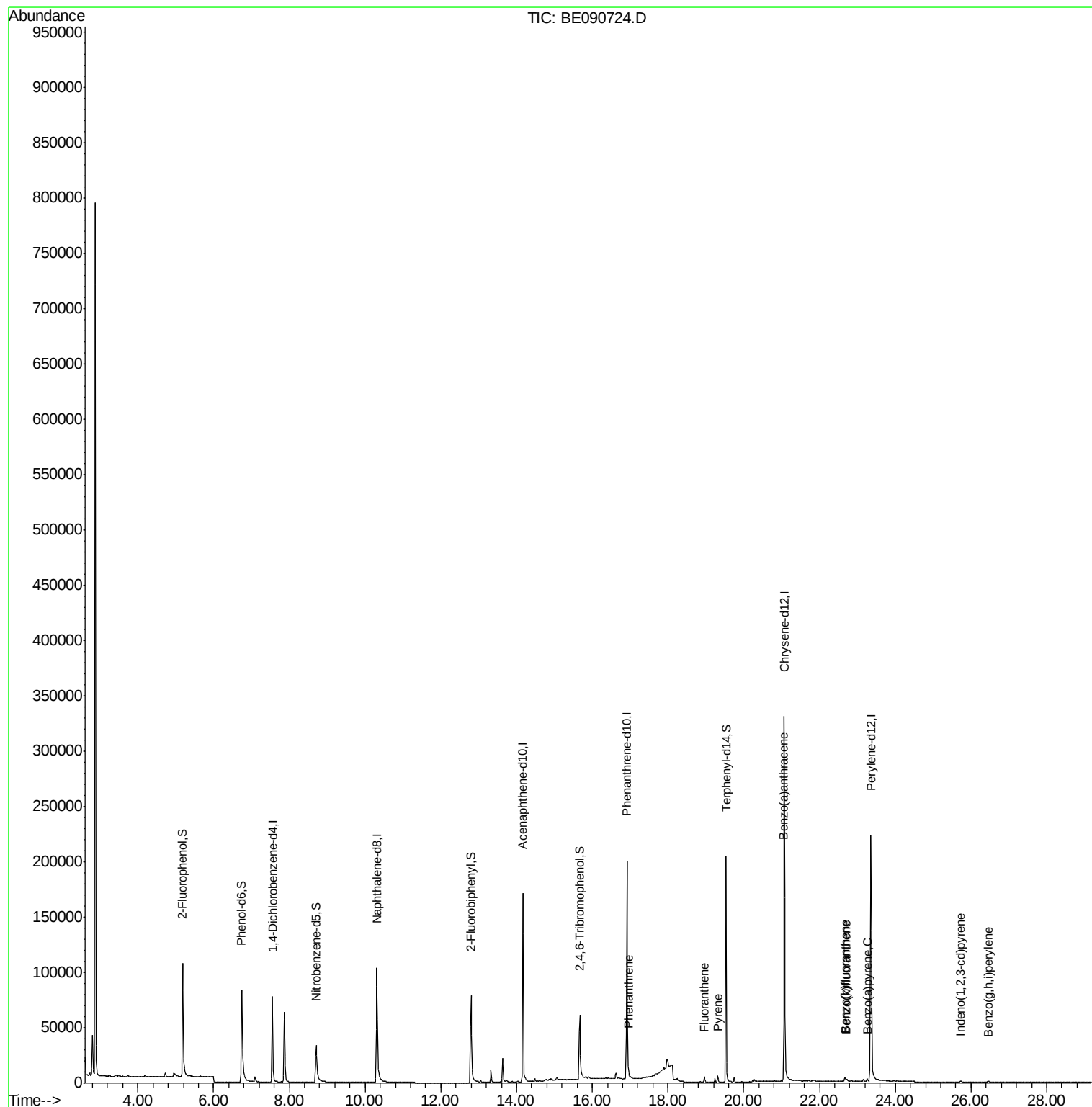
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Phenanthrene	16.96	178	2350	0.04	ng	# 80
24) Fluoranthene	18.96	202	5432	0.08	ng	# 96
26) Pyrene	19.32	202	5490	0.08	ng	# 96
28) Benzo(a)anthracene	21.05	228	4849	0.05	ng	# 95
31) Indeno(1,2,3-cd)pyrene	25.72	276	2644	0.03	ng	# 96
33) Benzo(b)fluoranthene	22.67	252	5744	0.08	ng	# 71
34) Benzo(k)fluoranthene	22.71	252	2296m	0.03	ng	# 71
35) Benzo(a)pyrene	23.26	252	3267	0.05	ng	# 65
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

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Instrument :

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ClientSampleId :

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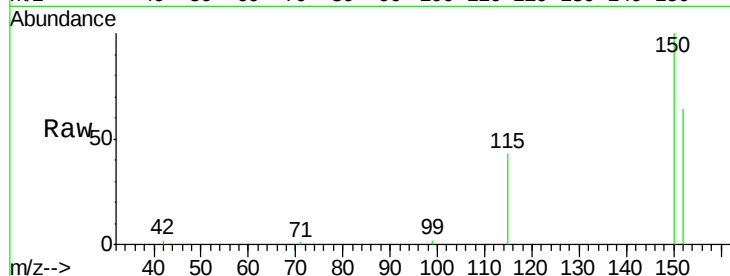
Tgt Ion:152 Resp: 42252

Ion Ratio Lower Upper

152 100

150 157.0 122.2 183.4

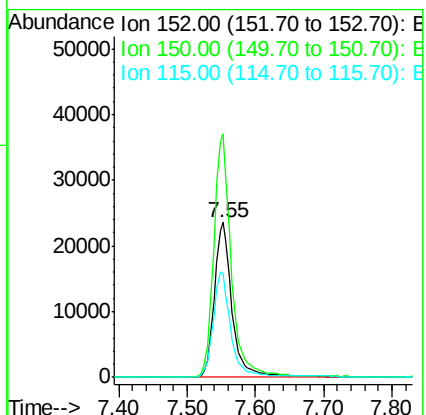
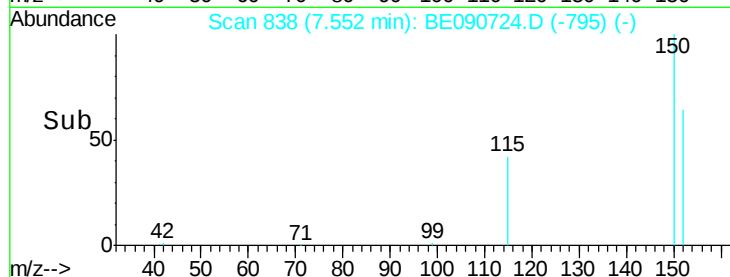
115 66.8 51.0 76.4



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



#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

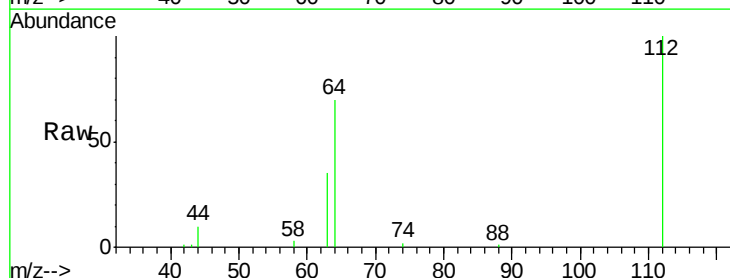
Tgt Ion:112 Resp: 88567

Ion Ratio Lower Upper

112 100

64 71.5 57.3 85.9

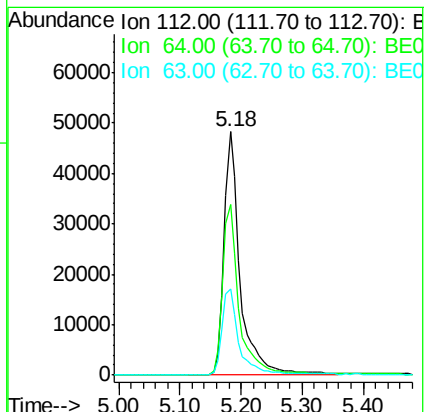
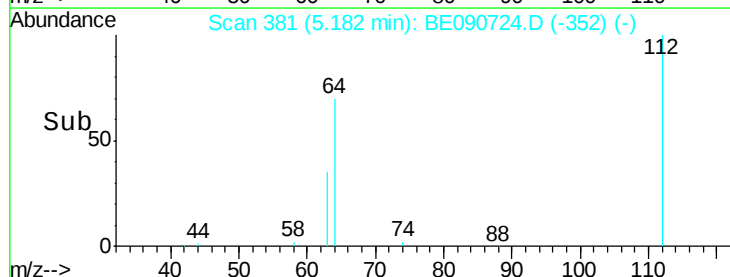
63 36.9 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E

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 :

BNA_E

ClientSampleId :

X1SB0840006-20150901

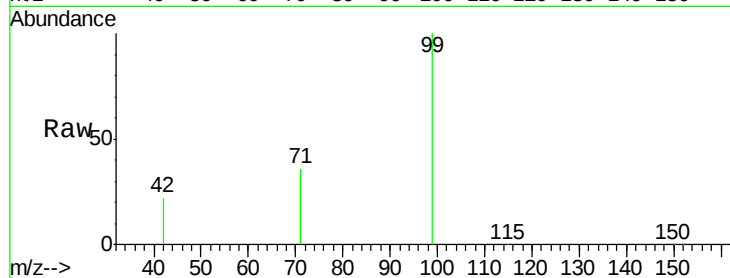
Tgt Ion: 99 Resp: 127626

Ion Ratio Lower Upper

99 100

42 21.0 16.8 25.2

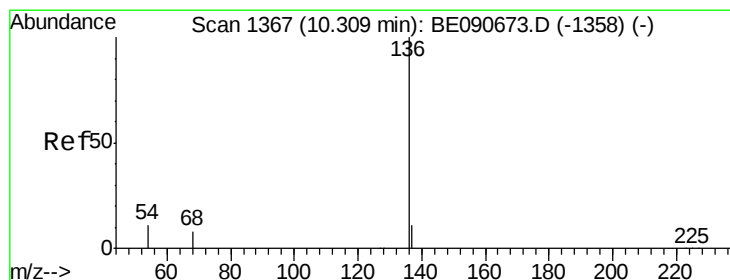
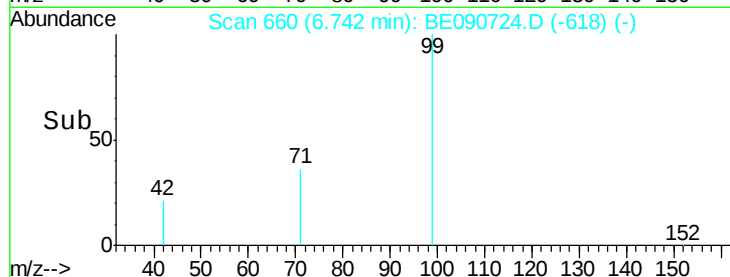
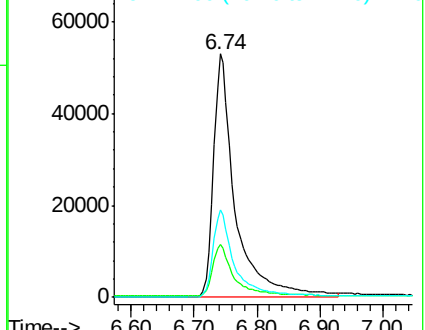
71 35.4 28.3 42.5



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

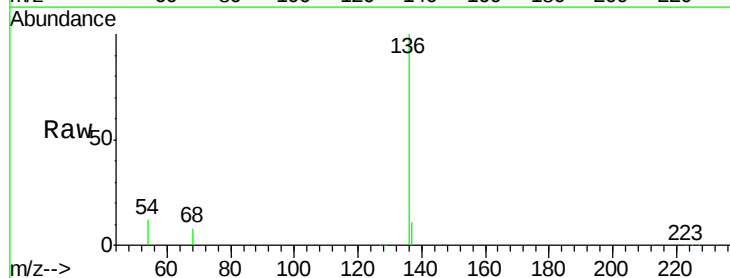
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.6 9.0 13.6

68 8.4 6.3 9.5

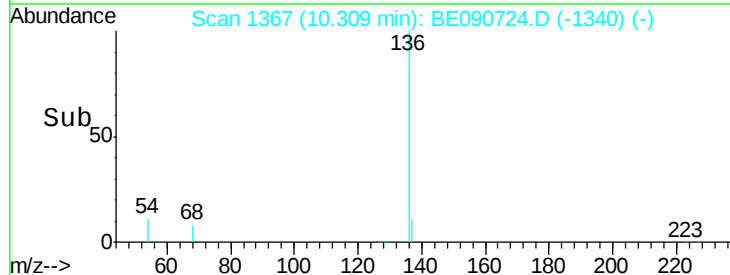
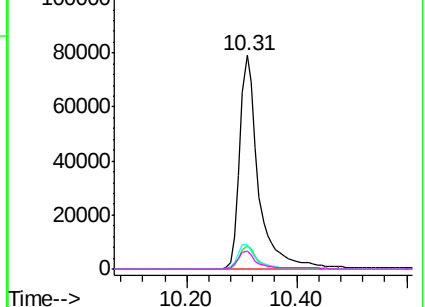


Abundance Ion 136.00 (135.70 to 136.70): E

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

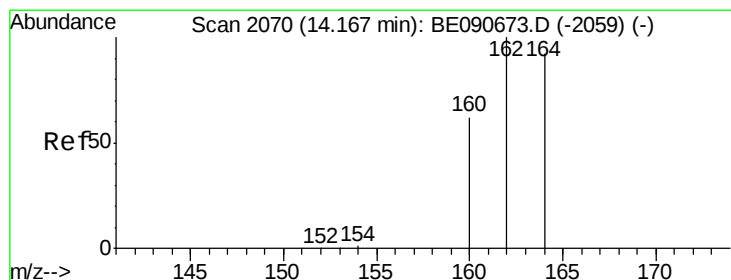
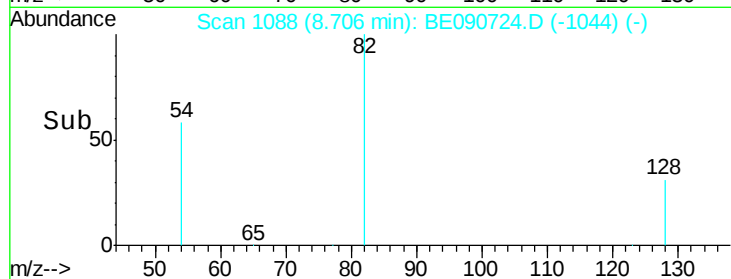
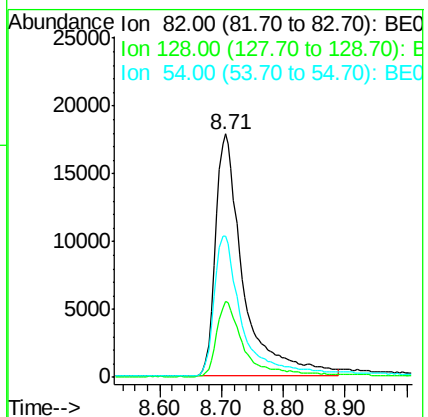
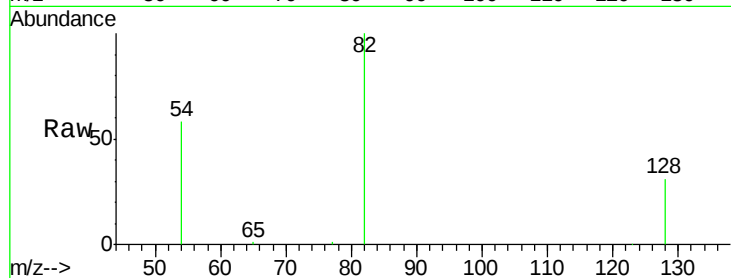
Tgt Ion: 82 Resp: 56364

Ion Ratio Lower Upper

82 100

128 31.2 25.0 37.4

54 57.9 46.3 69.5



#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

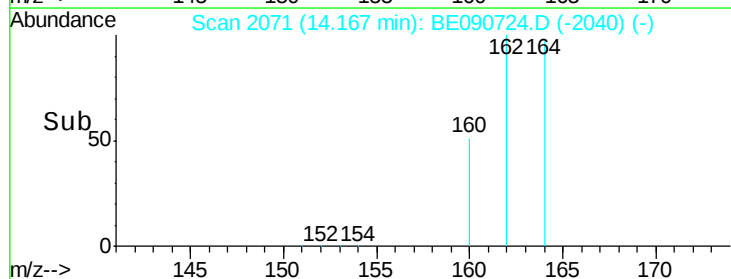
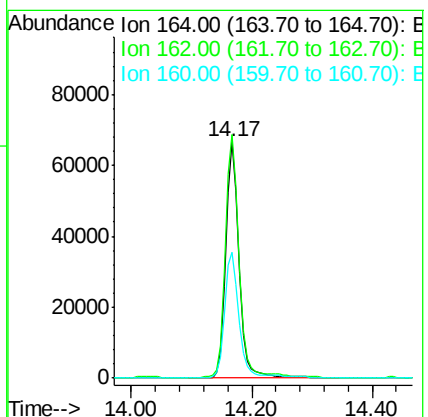
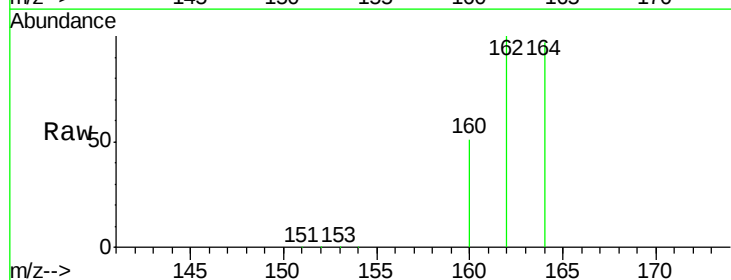
Tgt Ion: 164 Resp: 103464

Ion Ratio Lower Upper

164 100

162 103.1 86.8 130.2

160 53.0 53.9 80.9#

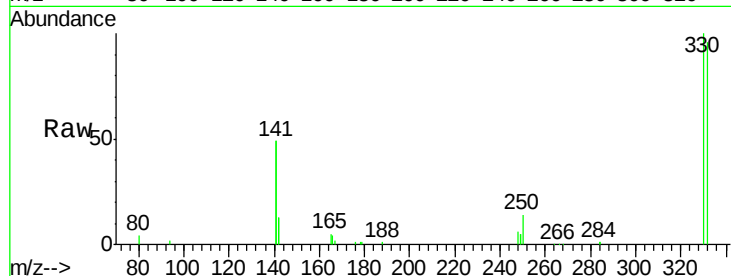




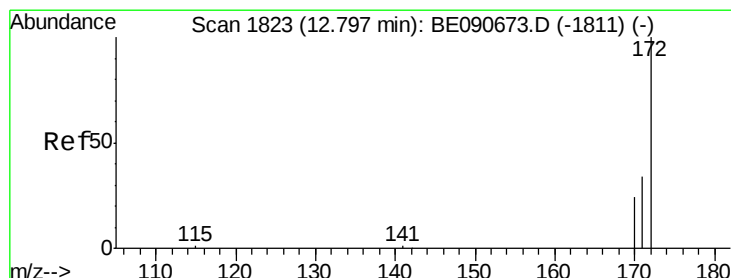
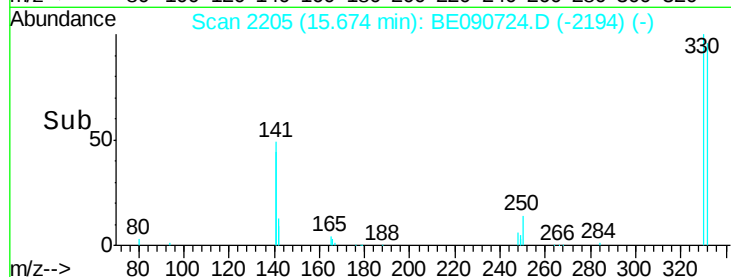
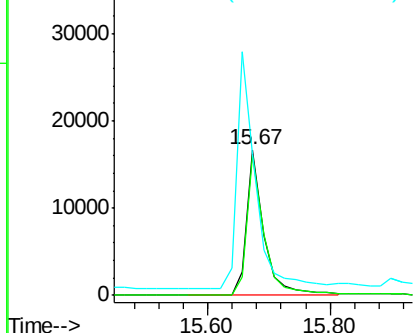
#13
 2,4,6-Tribromophenol
 Concen: 10.55 ng
 RT: 15.67 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0840006-20150901

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

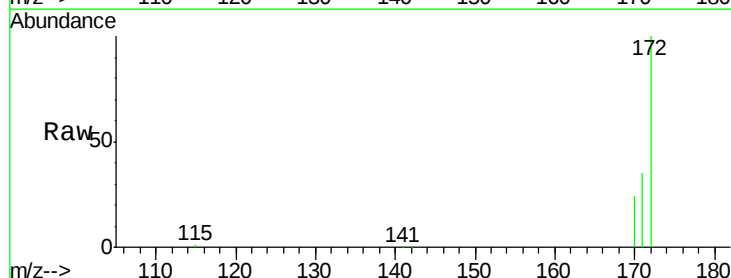


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

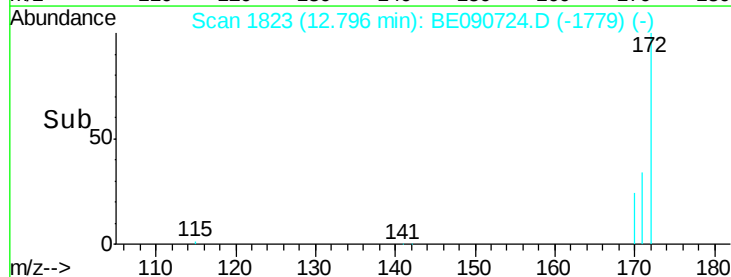
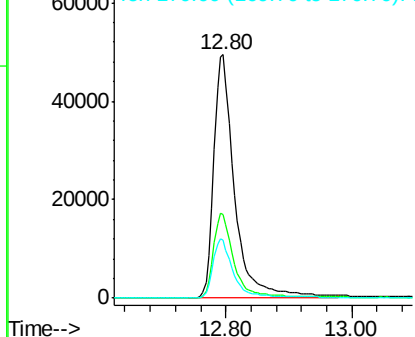


#14
 2-Fluorobiphenyl
 Concen: 3.96 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

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



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

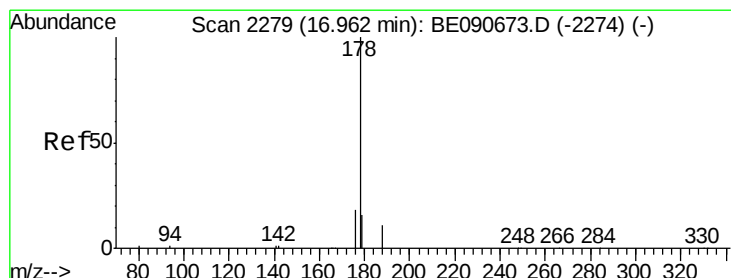
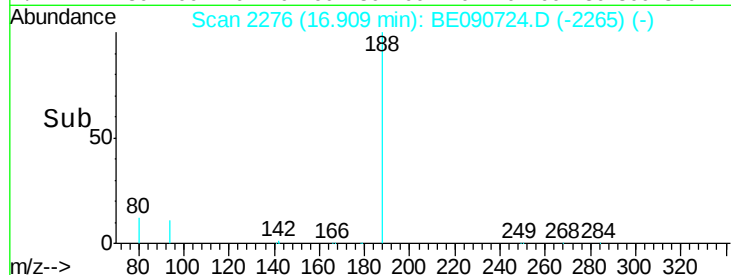
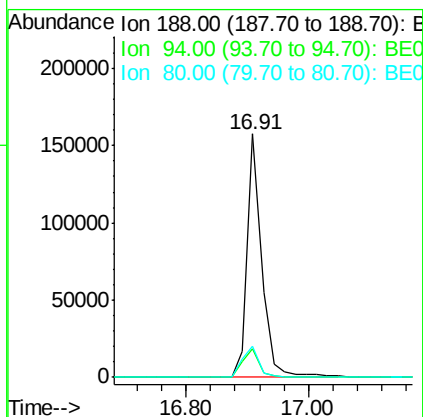
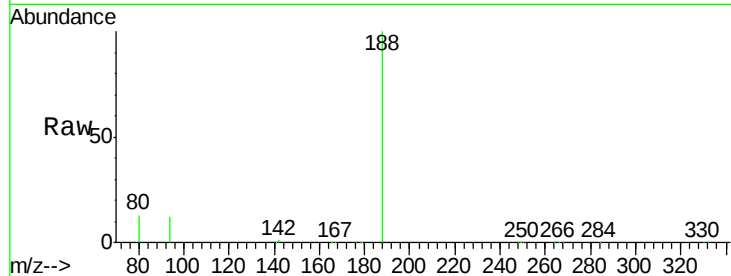




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090724.D
Acq: 4 Sep 2015 11:33

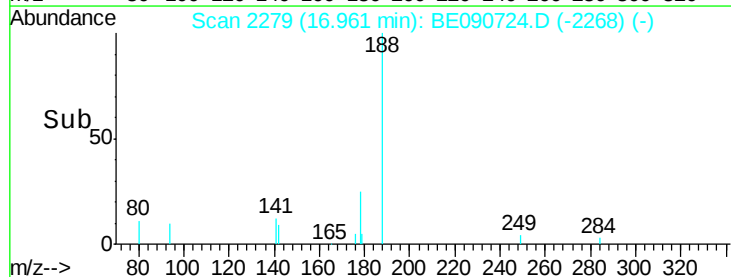
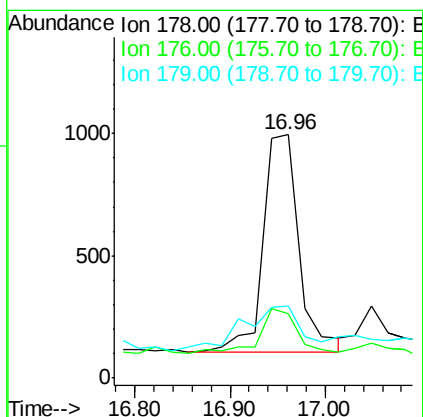
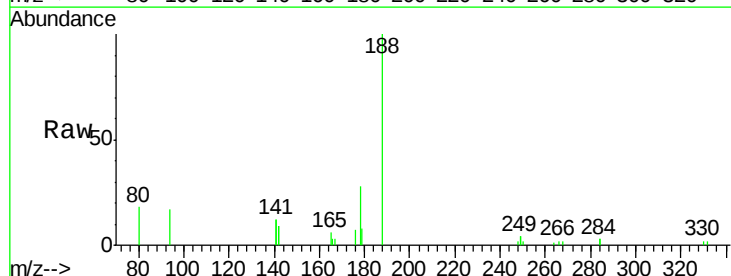
Instrument :
BNA_E
ClientSampleId :
X1SB0840006-20150901

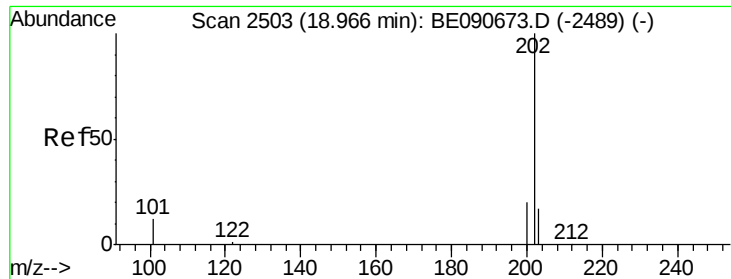
Tgt Ion:188 Resp: 259304
Ion Ratio Lower Upper
188 100
94 11.6 10.3 15.5
80 12.6 11.0 16.6



#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

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#

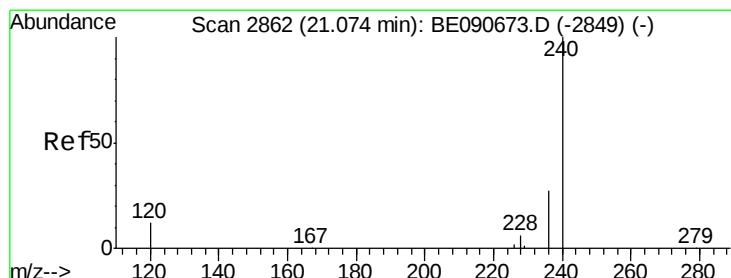
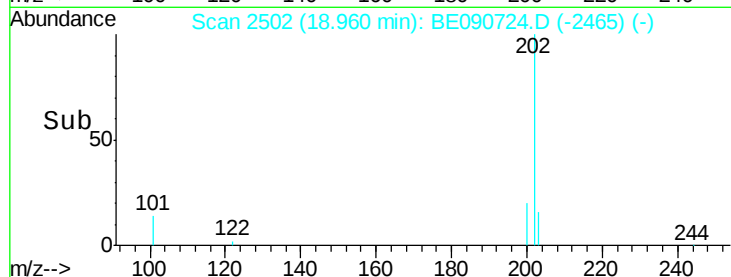
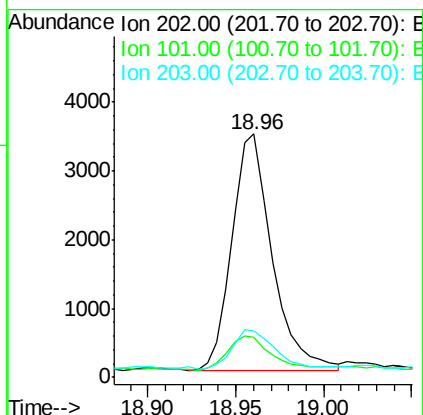
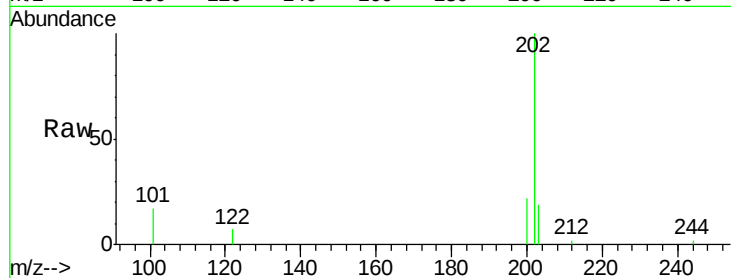




#24
 Fluoranthene
 Concen: 0.08 ng
 RT: 18.96 min Scan# 2502
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

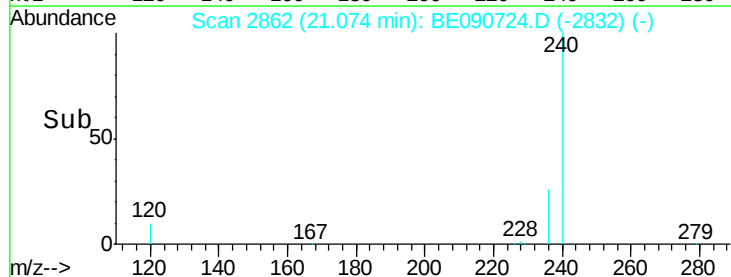
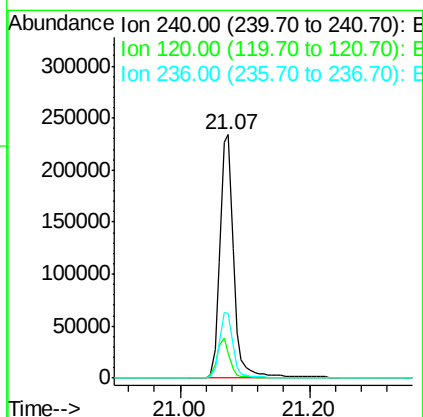
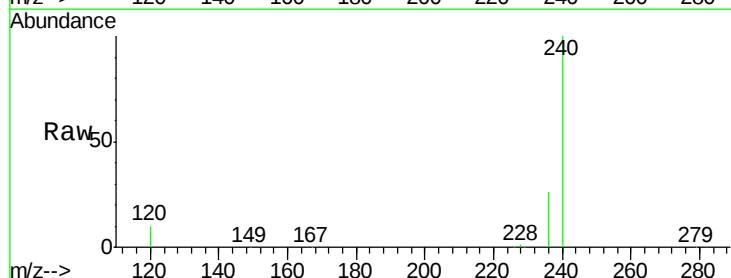
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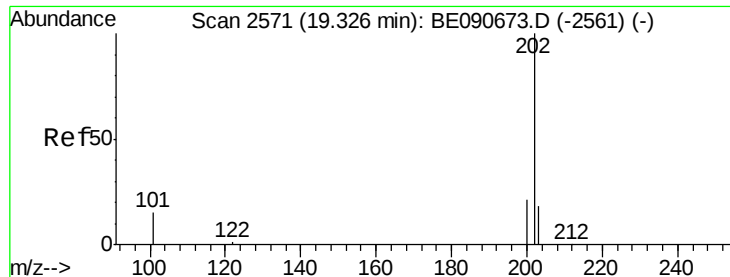
Tgt Ion: 202 Resp: 5432
 Ion Ratio Lower Upper
 202 100
 101 16.9 11.0 16.6#
 203 17.8 13.9 20.9



#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

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

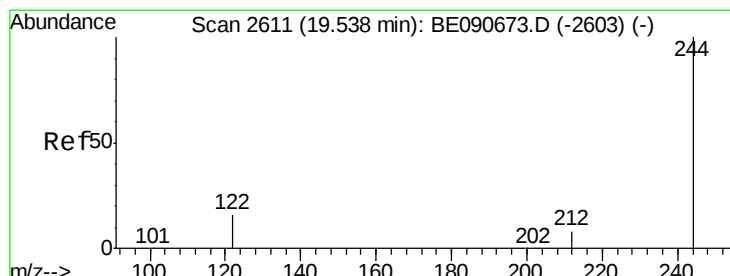
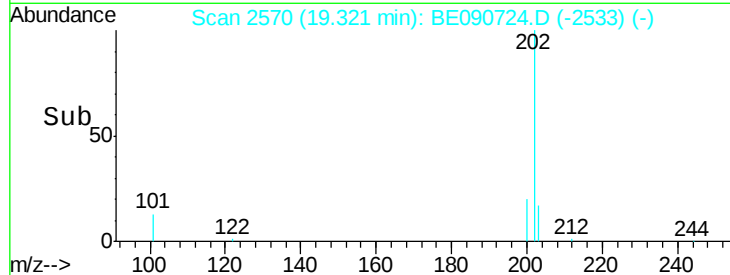
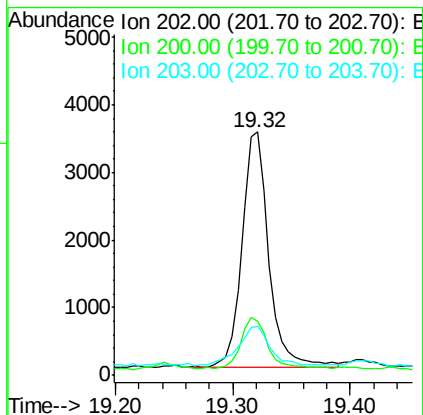
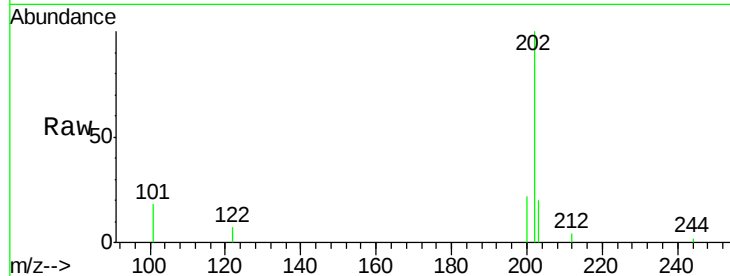




#26
 Pyrene
 Concen: 0.08 ng
 RT: 19.32 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

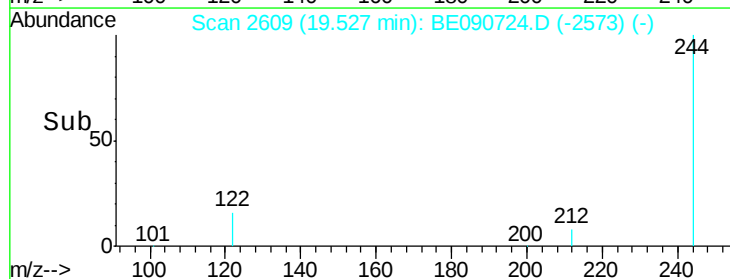
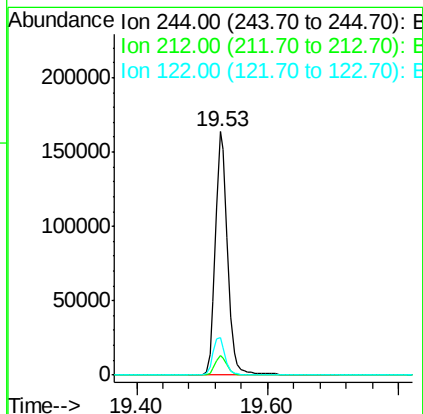
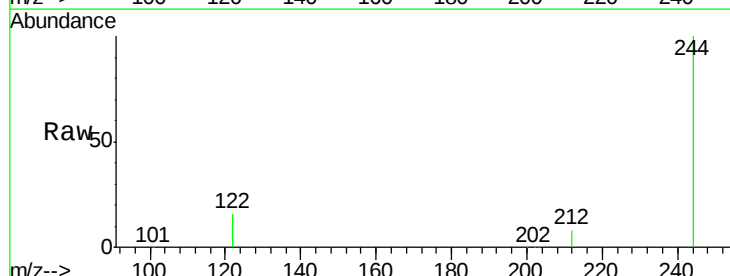
Instrument :
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 X1SB0840006-20150901

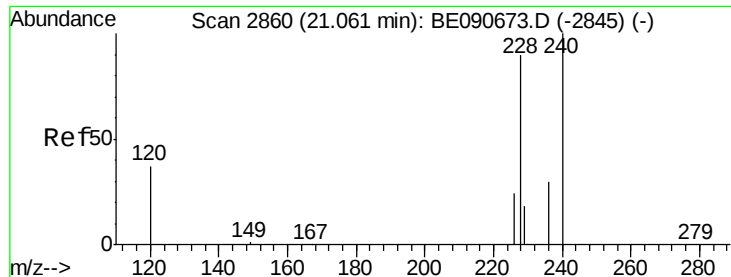
Tgt Ion: 202 Resp: 5490
 Ion Ratio Lower Upper
 202 100
 200 22.5 16.7 25.1
 203 19.6 13.8 20.6



#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

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

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901

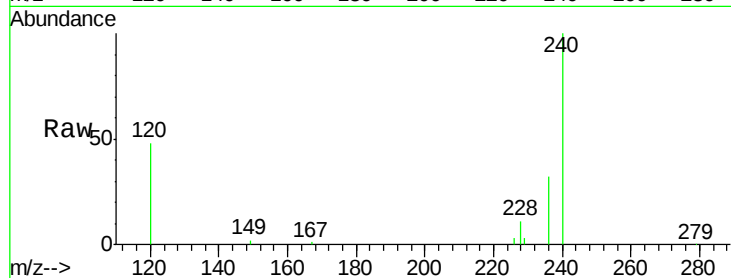
Tgt Ion:228 Resp: 4849

Ion Ratio Lower Upper

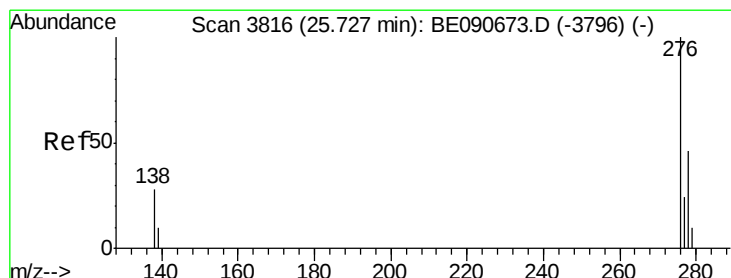
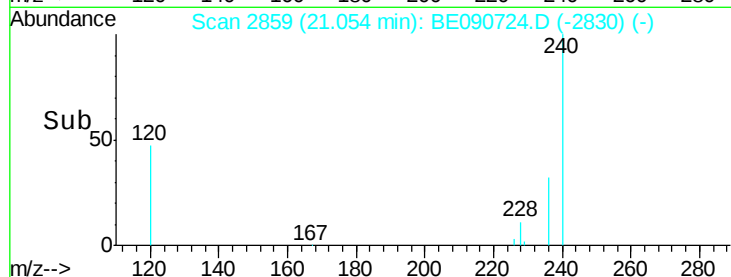
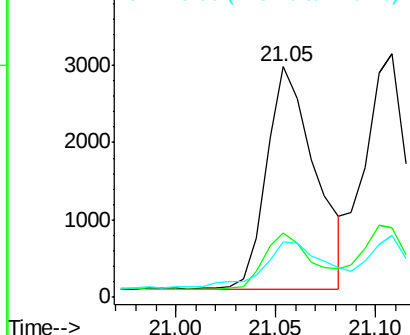
228 100

226 27.7 21.6 32.4

229 24.0 15.9 23.9#



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



#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

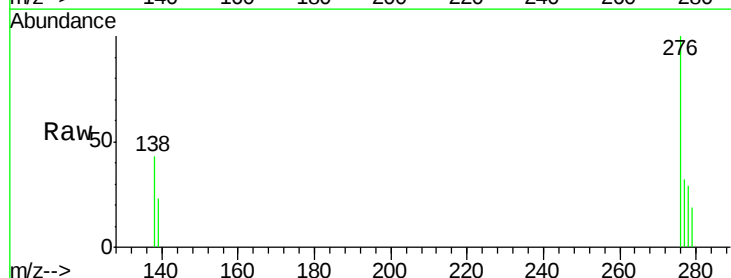
Tgt Ion:276 Resp: 2644

Ion Ratio Lower Upper

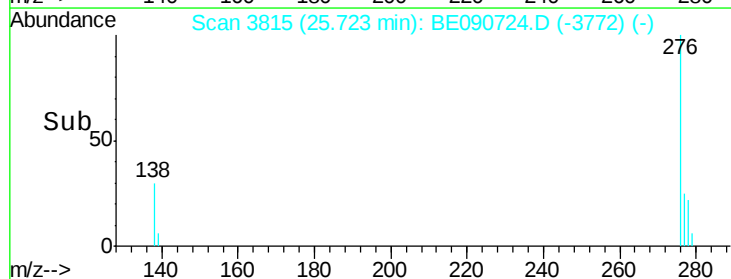
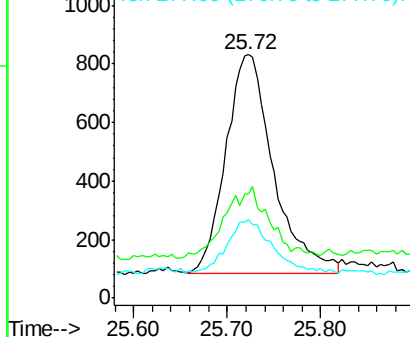
276 100

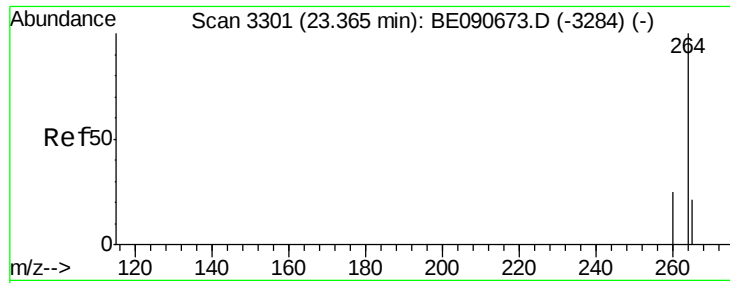
138 31.3 23.3 34.9

277 23.1 19.8 29.6



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

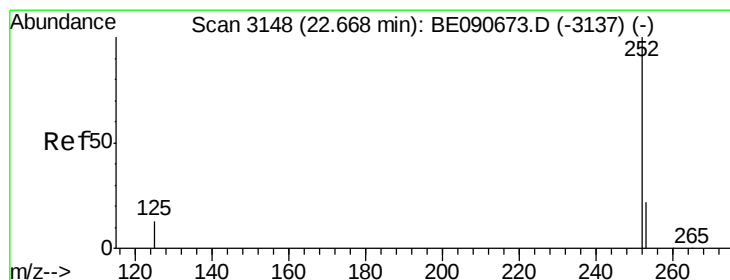
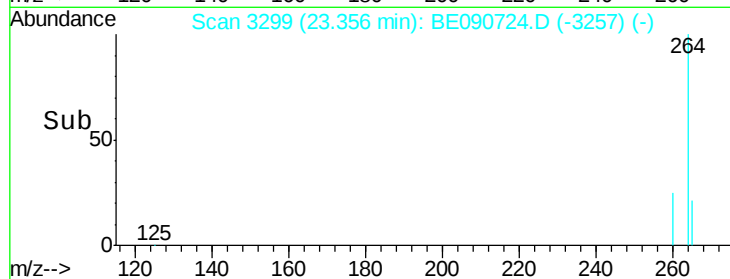
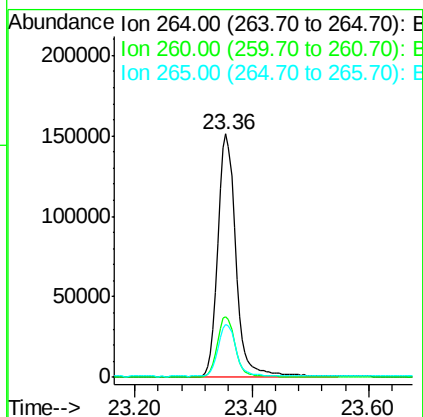
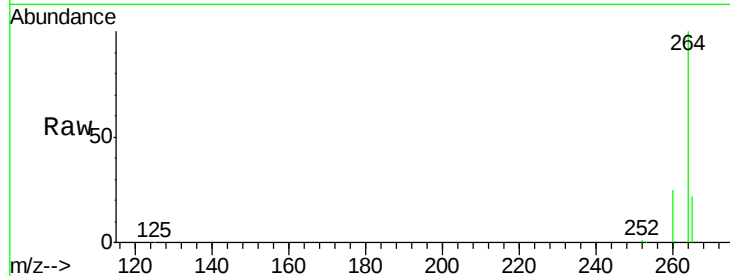




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3299
 Delta R.T. -0.01 min
 Lab File: BE090724.D
 Acq: 4 Sep 2015 11:33

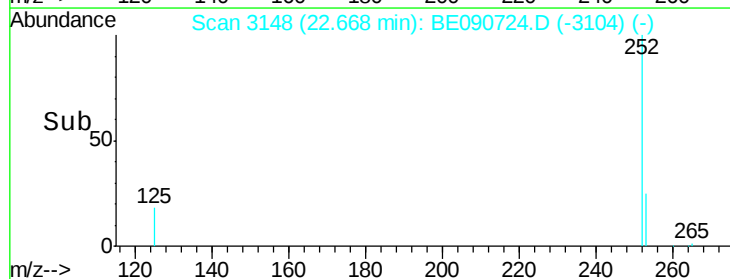
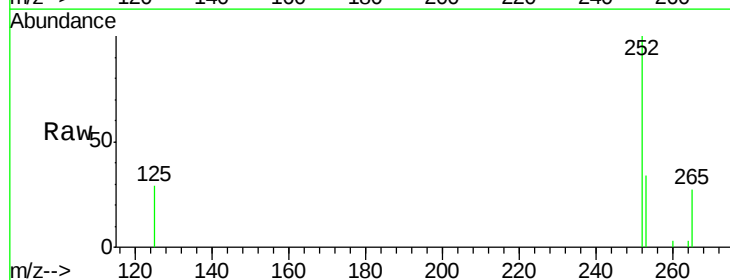
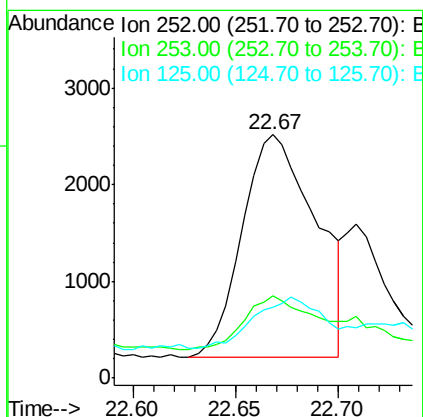
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0840006-20150901

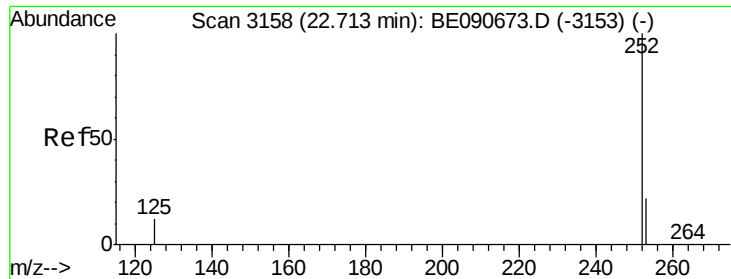
Tgt Ion: 264 Resp: 324641
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 21.6 17.5 26.3



#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: 0.03 ng m

RT: 22.71 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BE090724.D

Acq: 4 Sep 2015 11:33

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901

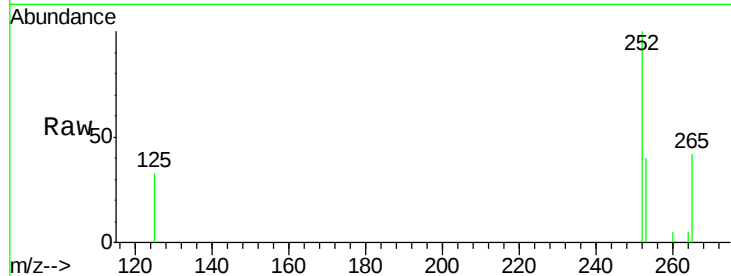
Tgt Ion:252 Resp: 2296

Ion Ratio Lower Upper

252 100

253 39.8 17.9 26.9#

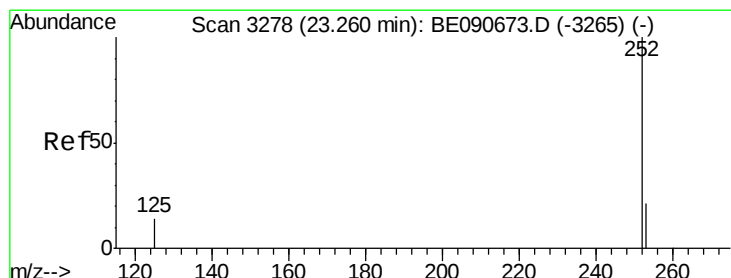
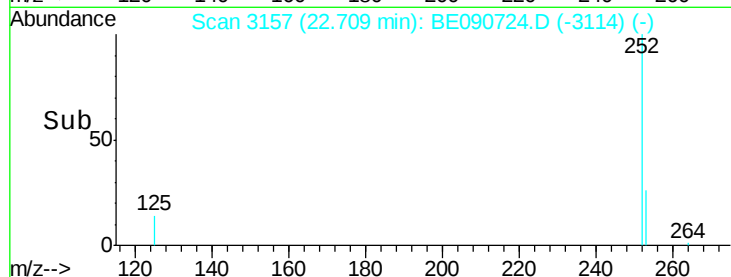
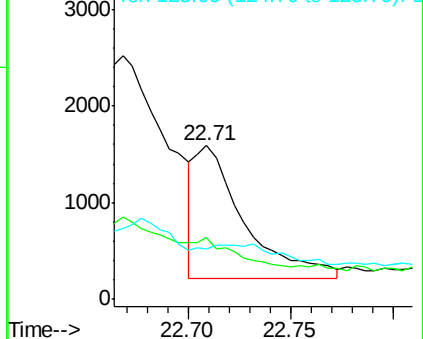
125 33.1 10.1 15.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

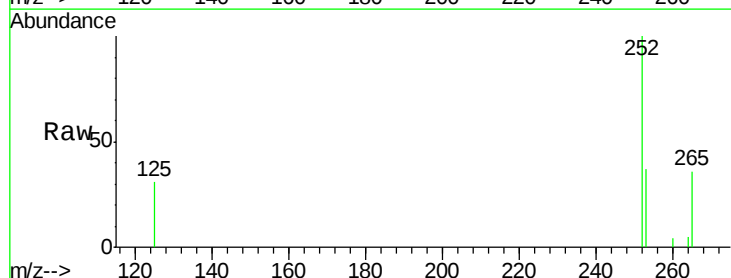
Tgt Ion:252 Resp: 3267

Ion Ratio Lower Upper

252 100

253 36.8 17.5 26.3#

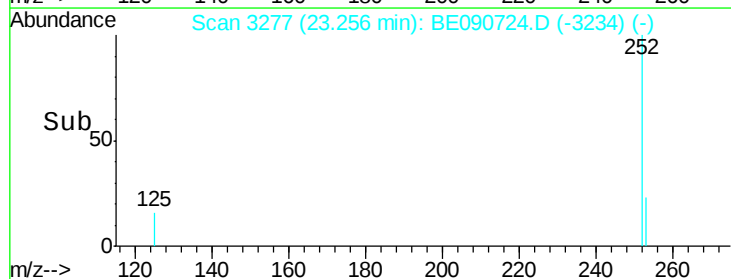
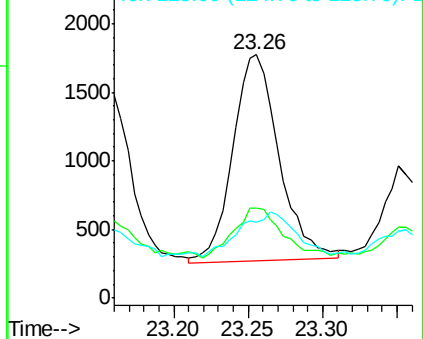
125 31.3 11.6 17.4#

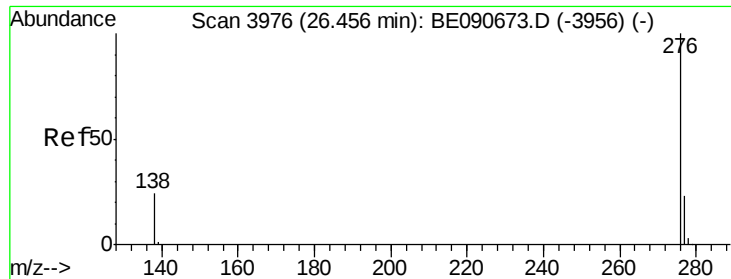


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

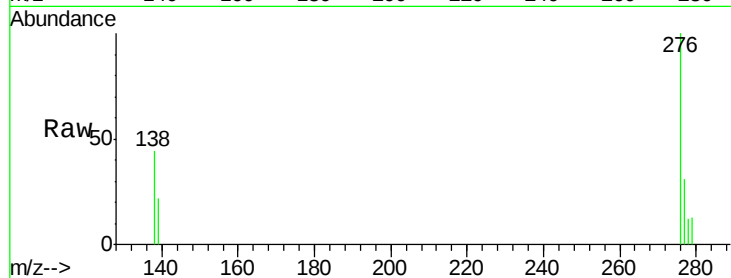
Acq: 4 Sep 2015 11:33

Instrument :

BNA_E

ClientSampleId :

X1SB0840006-20150901



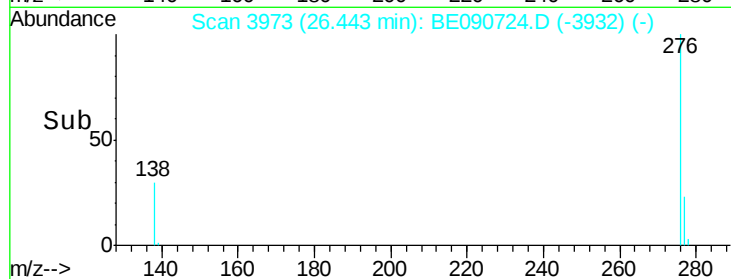
Tgt Ion: 276 Resp: 2858

Ion Ratio Lower Upper

276 100

277 31.0 18.5 27.7#

138 43.7 20.1 30.1#



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

