

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090415\
 Data File : BE090727.D
 Acq On : 4 Sep 2015 13:24
 Operator : UM/IZ
 Sample : G3521-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0830006-20150901

Quant Time: Sep 04 14:04:22 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	51159	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	238895	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	129944	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	306764	5.00	ng	0.00
25) Chrysene-d12	21.07	240	372419	5.00	ng	0.00
32) Perylene-d12	23.36	264	349912	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	117836	11.81	ng	0.00
5) Phenol-d6	6.74	99	178980	12.56	ng	0.00
7) Nitrobenzene-d5	8.70	82	81169	5.14	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	49213	12.81	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	166502	4.63	ng	0.00
27) Terphenyl-d14	19.53	244	266121	6.46	ng	-0.01

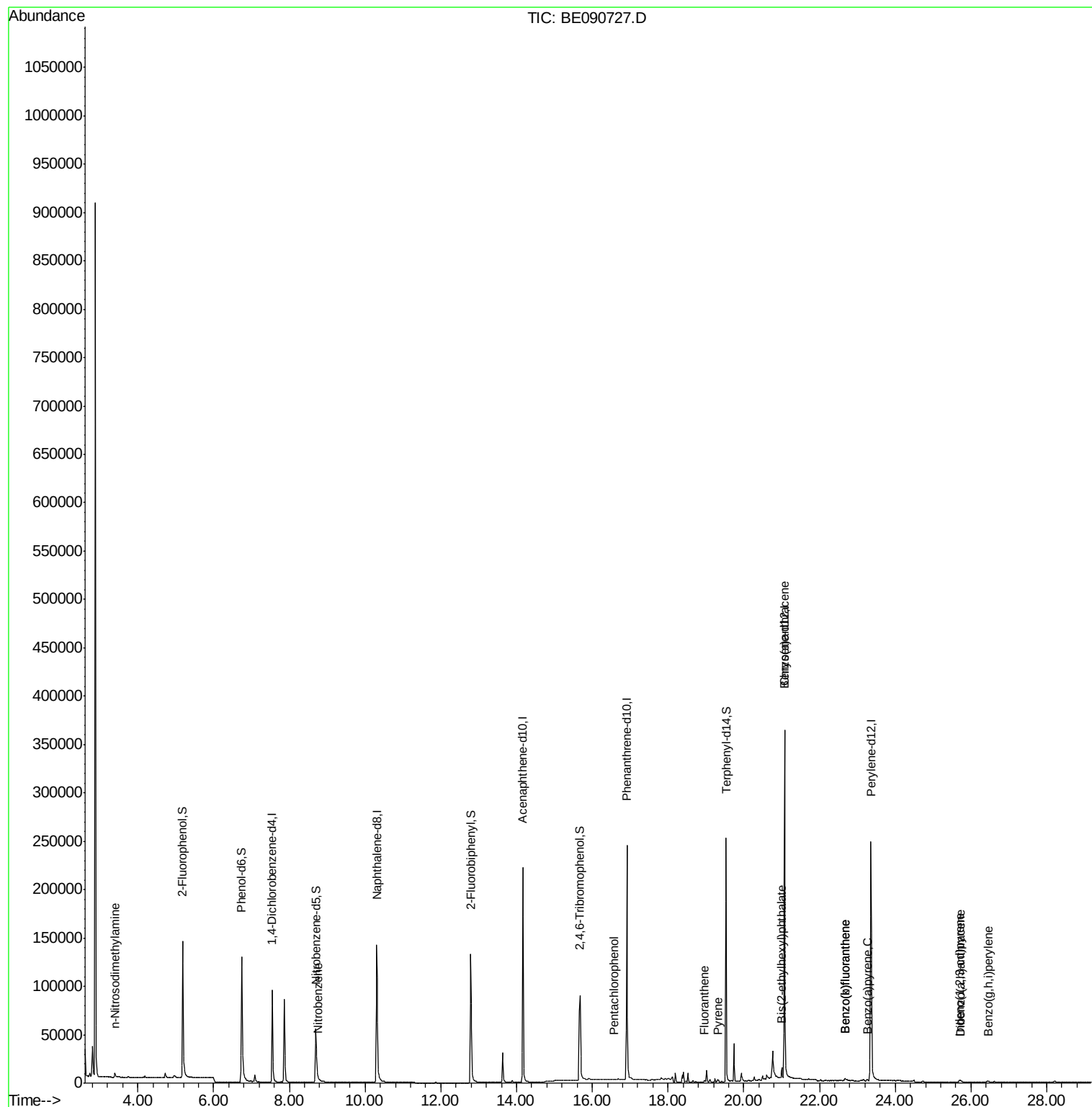
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	138	Below Cal	#	1
3) n-Nitrosodimethylamine	3.39	42	1455	0.08	ng	1
8) Nitrobenzene	8.77	77	82	0.11	ng	4
20) Hexachlorobenzene	16.23	284	115	Below Cal	#	1
21) Pentachlorophenol	16.56	266	22	0.46	ng	65
24) Fluoranthene	18.96	202	2535	0.03	ng	94
26) Pyrene	19.32	202	2814	0.04	ng	86
28) Benzo(a)anthracene	21.06	228	3600	0.03	ng	66
29) Chrysene	21.11	228	2549	Below Cal	#	76
30) Bis(2-ethylhexyl)phthalate	21.00	149	9802	0.51	ng	98
31) Indeno(1,2,3-cd)pyrene	25.72	276	2633	0.03	ng	70
33) Benzo(b)fluoranthene	22.66	252	4556	0.06	ng	55
34) Benzo(k)fluoranthene	22.66	252	4556	0.05	ng	54
35) Benzo(a)pyrene	23.26	252	2572	0.04	ng	39
36) Dibenzo(a,h)anthracene	25.73	278	870	0.15	ng	1
37) Benzo(g,h,i)perylene	26.44	276	2894	0.04	ng	61

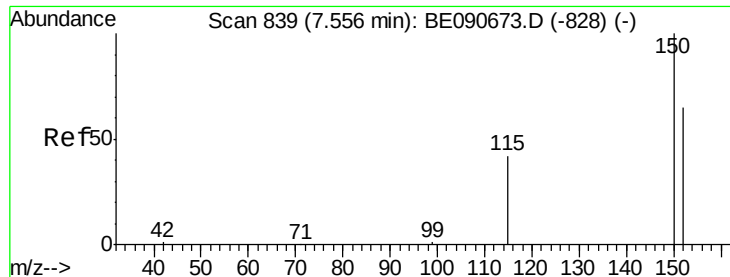
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

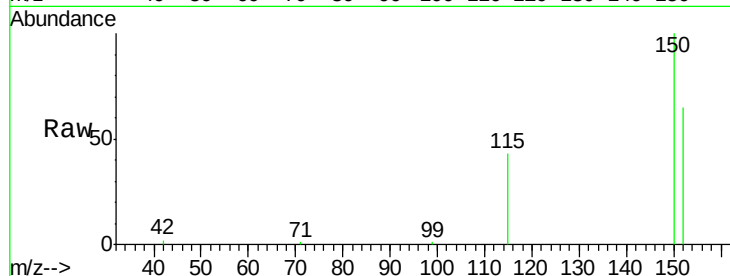
Tgt Ion: 152 Resp: 51159

Ion Ratio Lower Upper

152 100

150 154.1 122.2 183.4

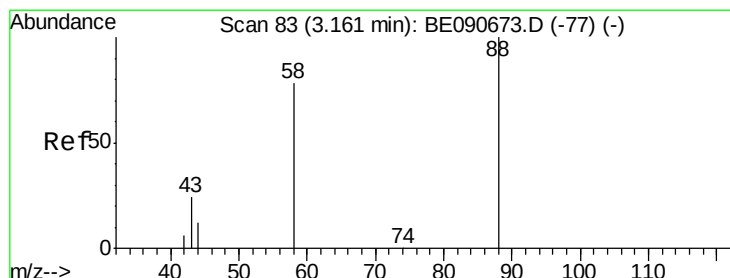
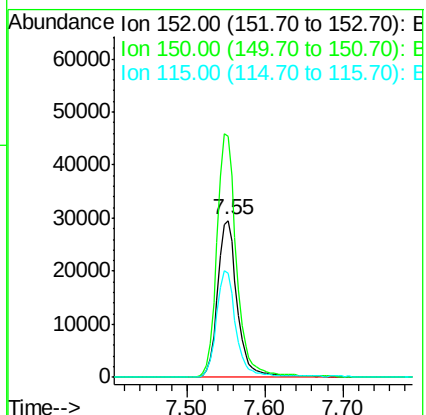
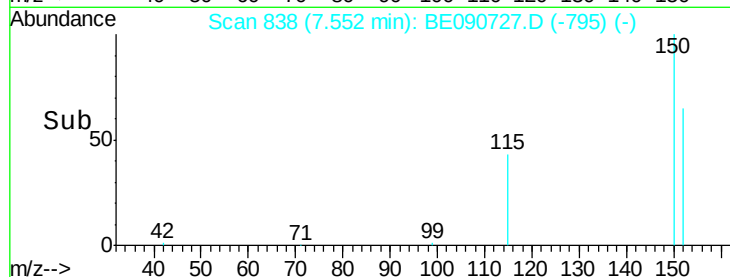
115 66.4 51.0 76.4



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: 3.13 min Scan# 78

Delta R.T. -0.03 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

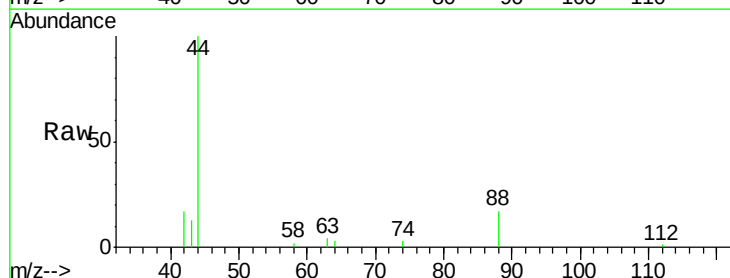
Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

88 100

58 14.5 68.4 102.6#

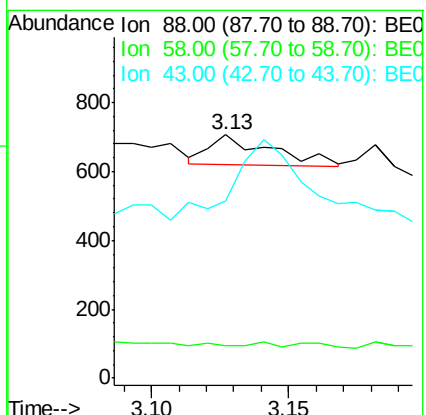
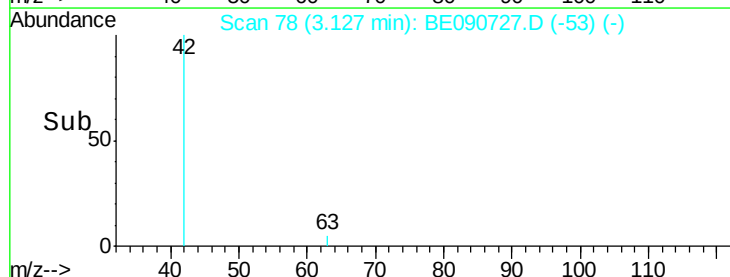
43 373.9 26.9 40.3#

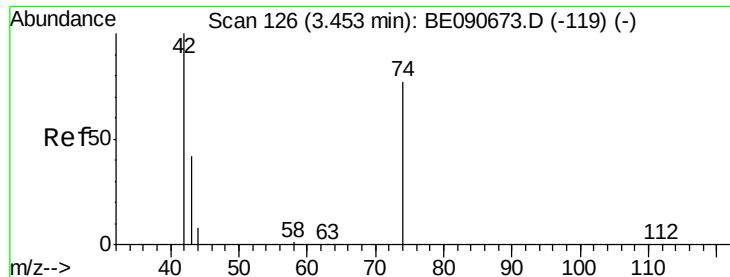


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.39 min Scan# 117

Delta R.T. -0.06 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

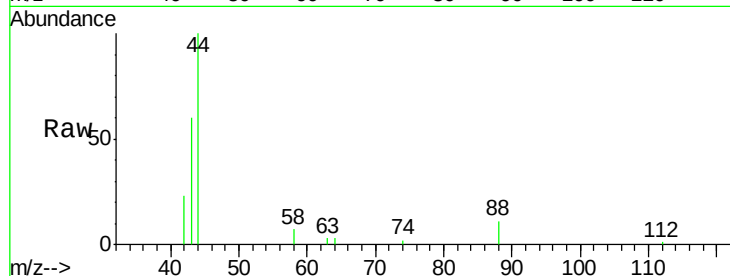
Tgt Ion: 42 Resp: 1455

Ion Ratio Lower Upper

42 100

74 2.7 83.7 125.5#

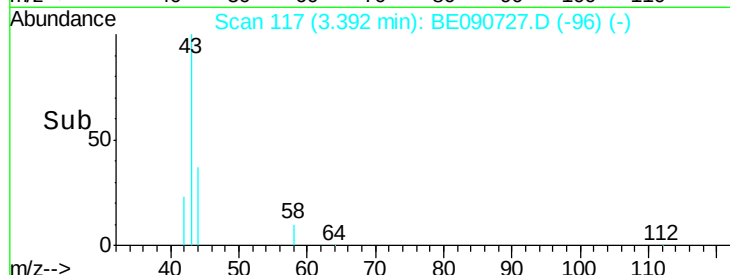
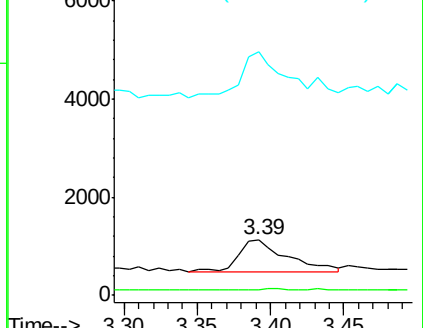
44 146.9 10.0 15.0#



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: 11.81 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

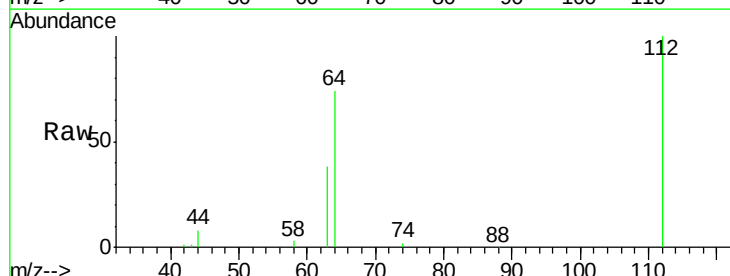
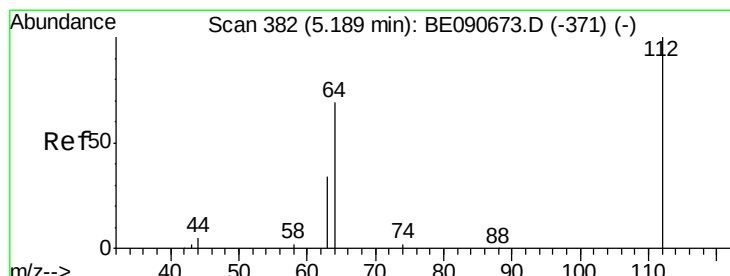
Tgt Ion: 112 Resp: 117836

Ion Ratio Lower Upper

112 100

64 71.5 57.3 85.9

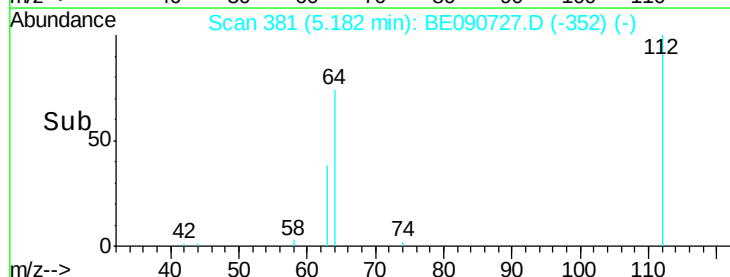
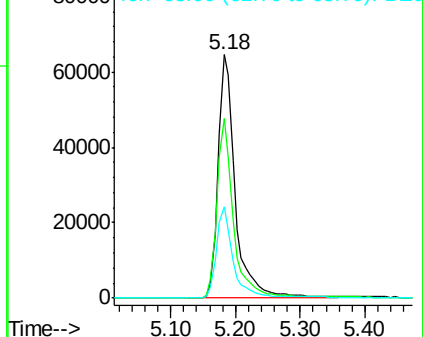
63 36.6 29.2 43.8

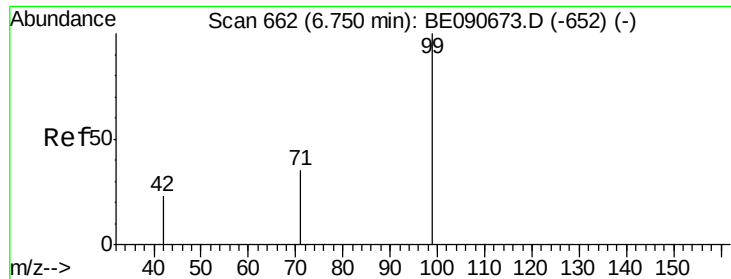


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 12.56 ng

RT: 6.74 min Scan# 660

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

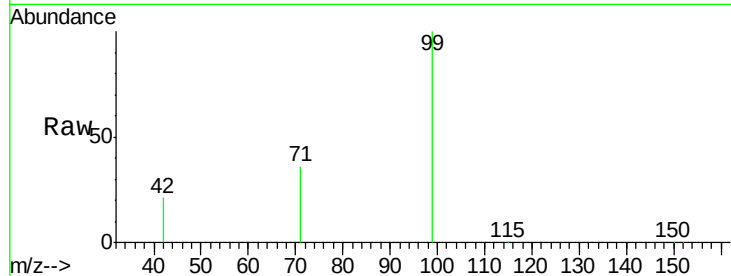
Tgt Ion: 99 Resp: 178980

Ion Ratio Lower Upper

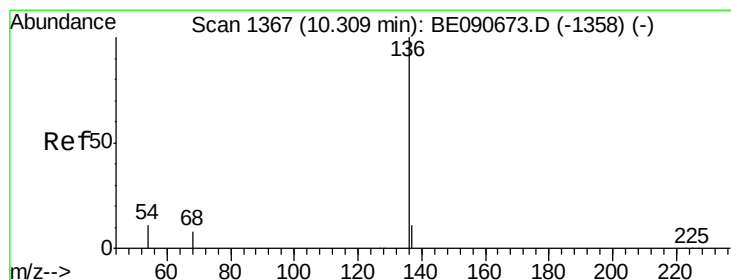
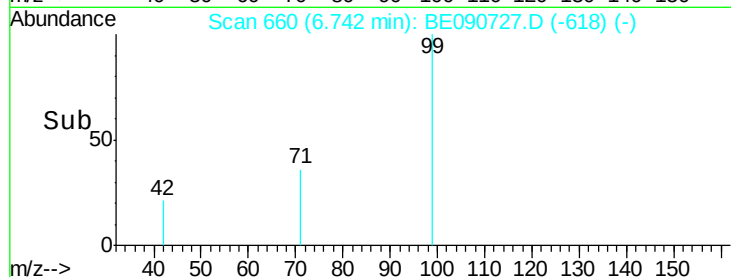
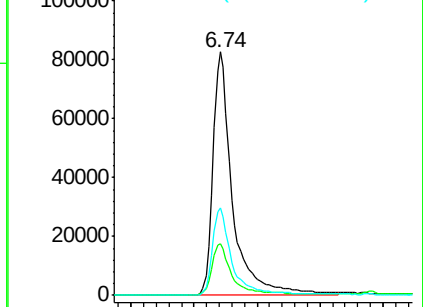
99 100

42 20.8 16.8 25.2

71 36.0 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: BE090727.D

Acq: 4 Sep 2015 13:24

Tgt Ion: 136 Resp: 238895

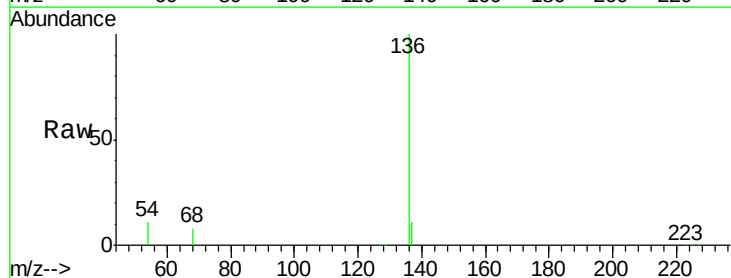
Ion Ratio Lower Upper

136 100

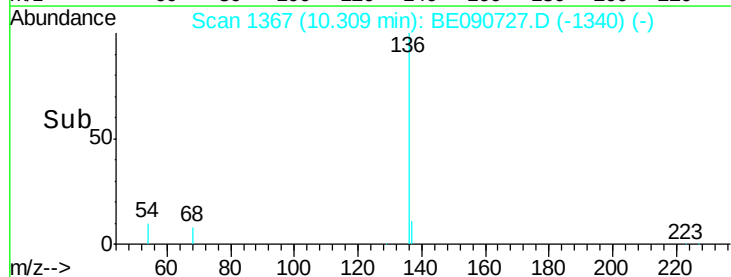
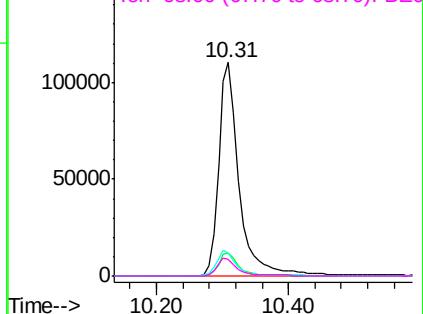
137 11.0 8.7 13.1

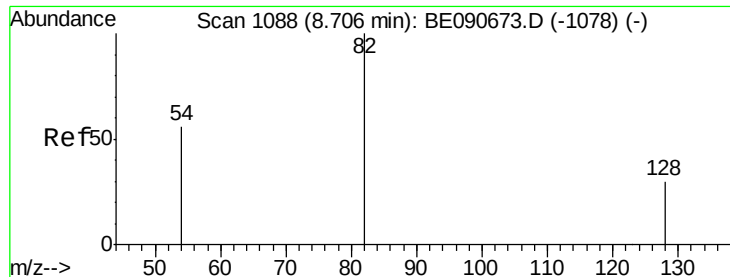
54 10.6 9.0 13.6

68 7.9 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: 5.14 ng

RT: 8.70 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

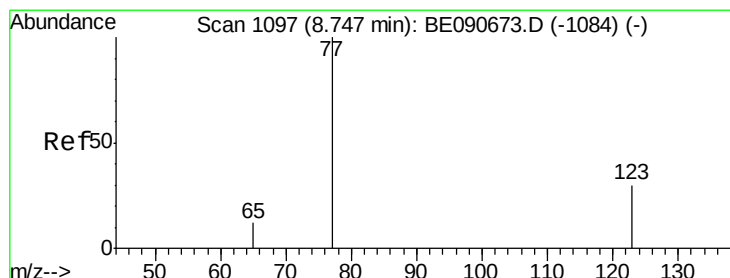
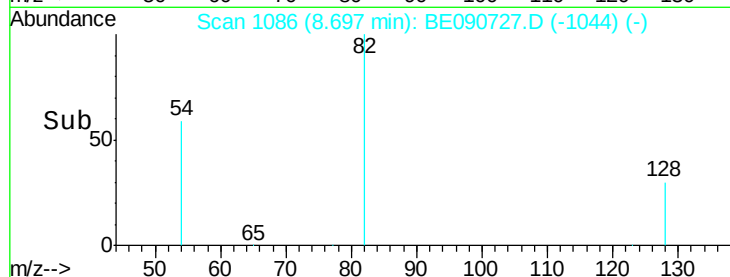
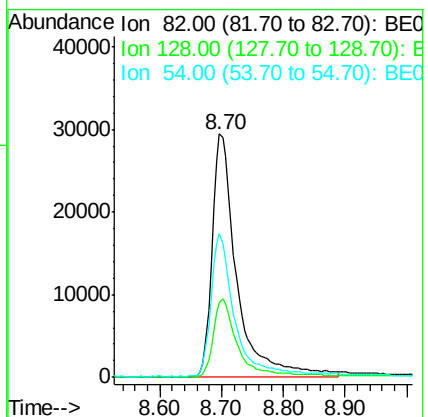
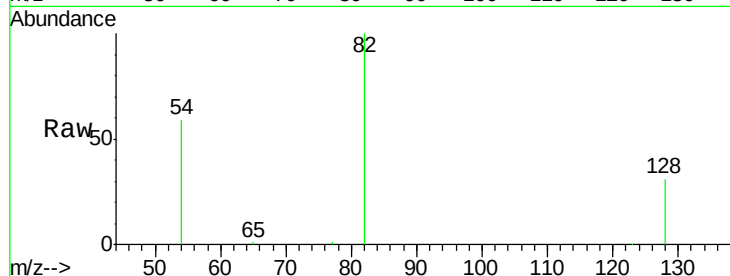
Tgt Ion: 82 Resp: 81169

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 59.0 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

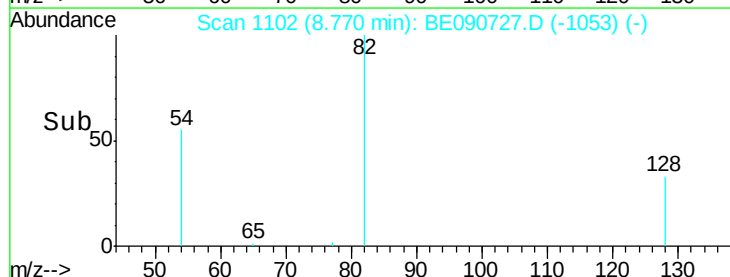
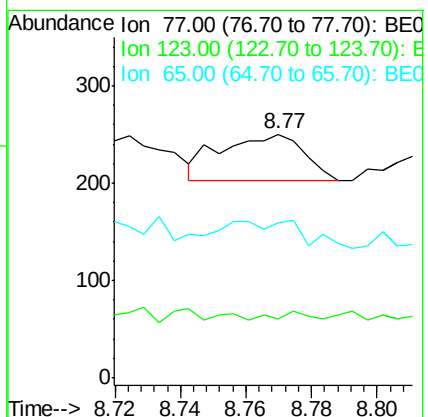
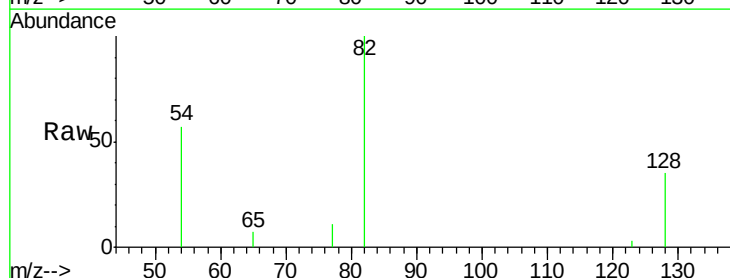
Tgt Ion: 77 Resp: 82

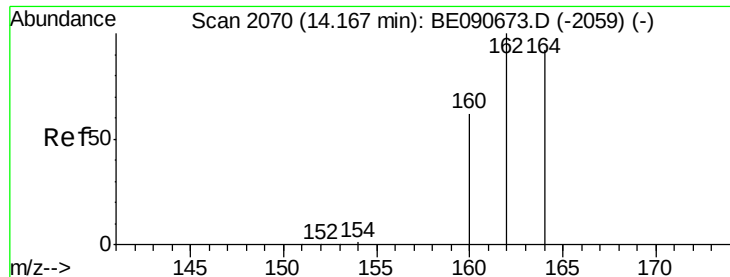
Ion Ratio Lower Upper

77 100

123 8.5 25.1 37.7#

65 104.9 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

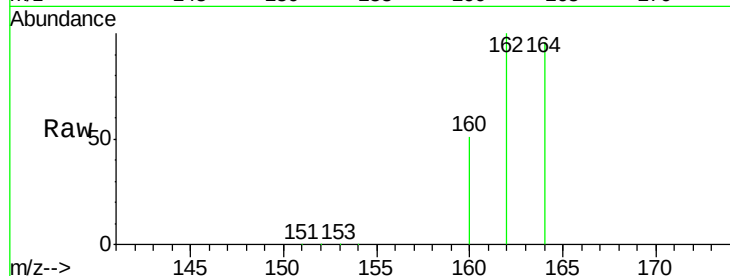
Tgt Ion:164 Resp: 129944

Ion Ratio Lower Upper

164 100

162 103.6 86.8 130.2

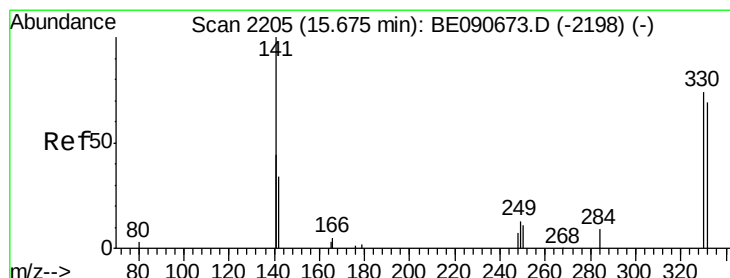
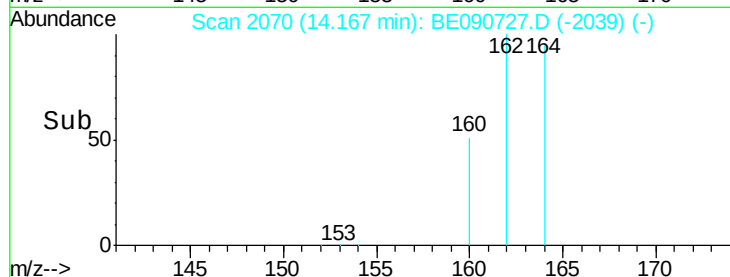
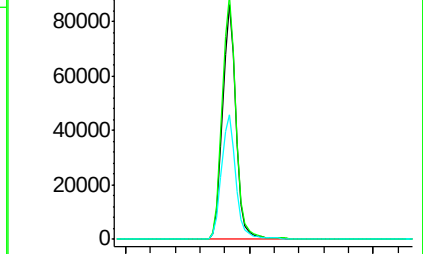
160 52.8 53.9 80.9#



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



#13

2,4,6-Tribromophenol

Concen: 12.81 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

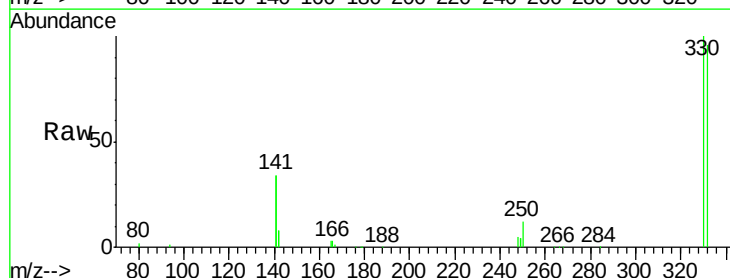
Tgt Ion:330 Resp: 49213

Ion Ratio Lower Upper

330 100

332 96.4 74.9 112.3

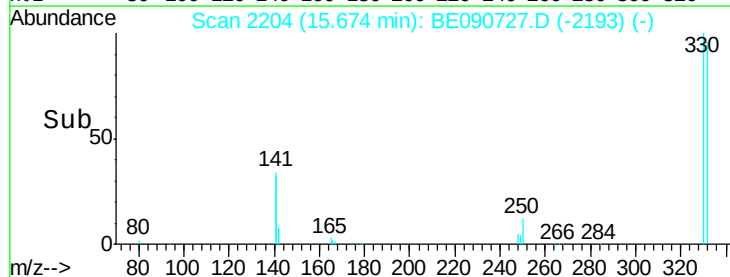
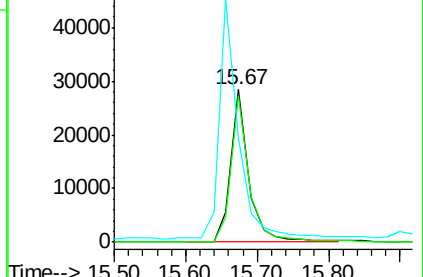
141 169.9 145.2 217.8

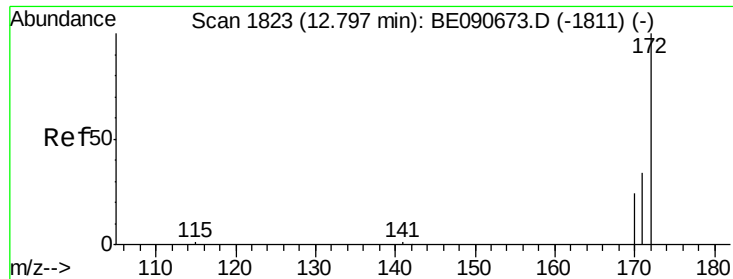


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

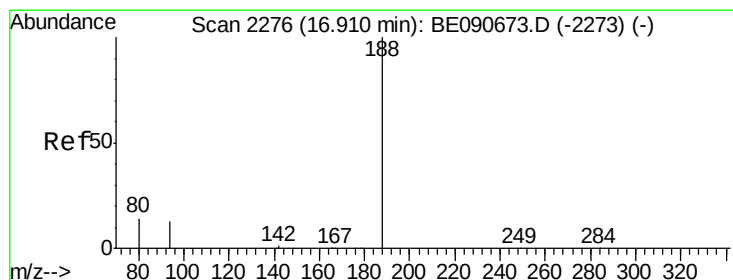
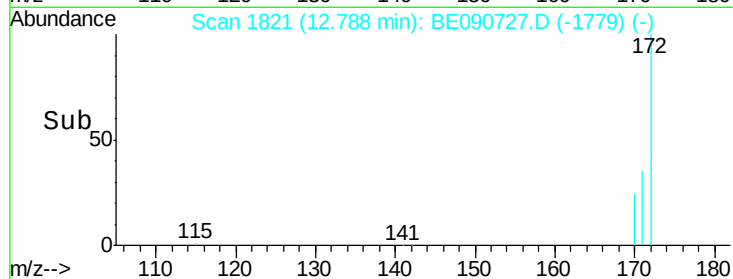
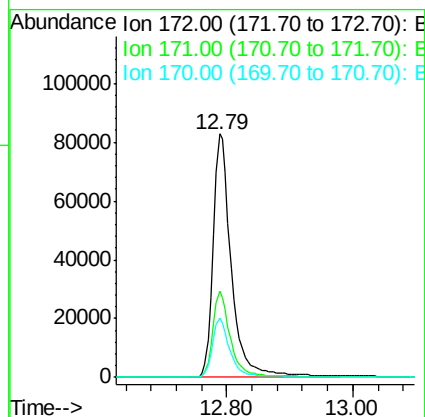
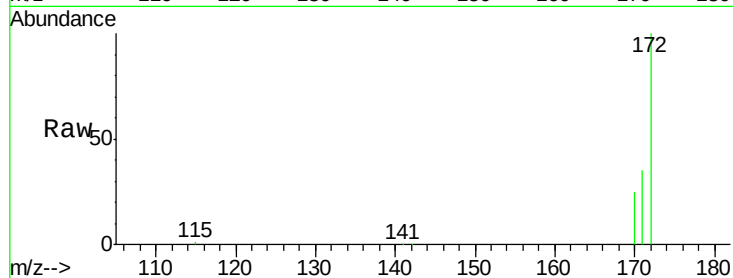




#14
2-Fluorobiphenyl
Concen: 4.63 ng
RT: 12.79 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BE090727.D
Acq: 4 Sep 2015 13:24

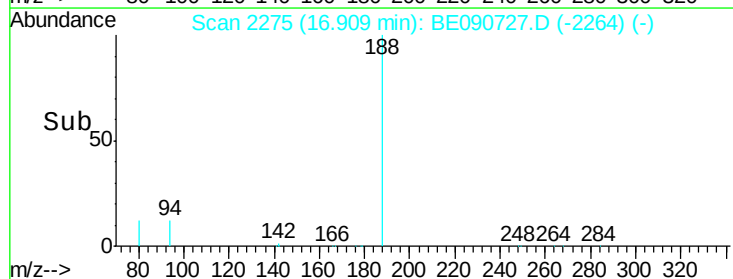
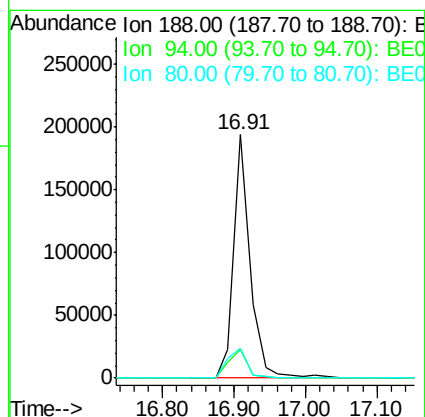
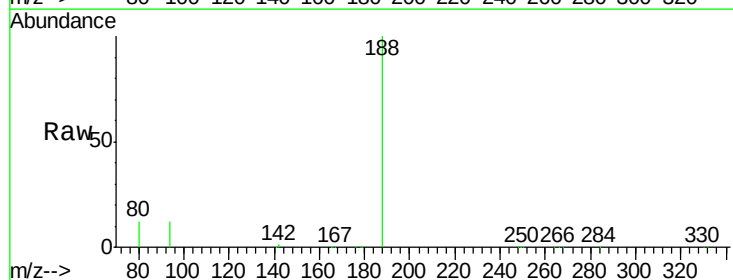
Instrument :
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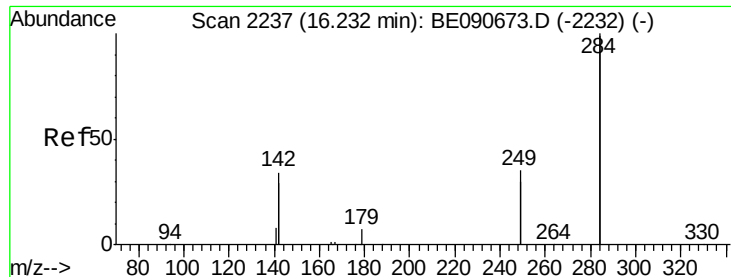
Tgt Ion:172 Resp: 166502
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 24.5 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090727.D
Acq: 4 Sep 2015 13:24

Tgt Ion:188 Resp: 306764
Ion Ratio Lower Upper
188 100
94 11.7 10.3 15.5
80 12.4 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

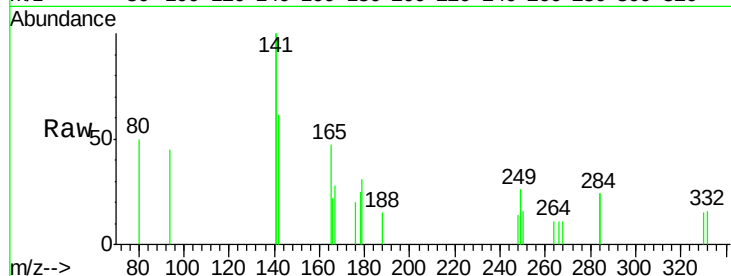
Tgt Ion:284 Resp: 115

Ion Ratio Lower Upper

284 100

142 143.5 35.0 52.4#

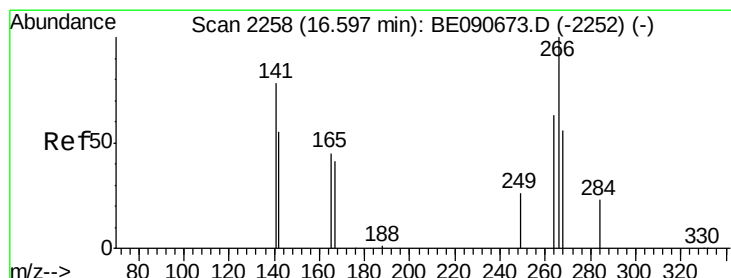
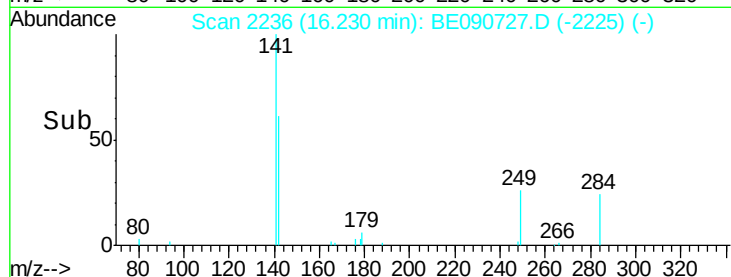
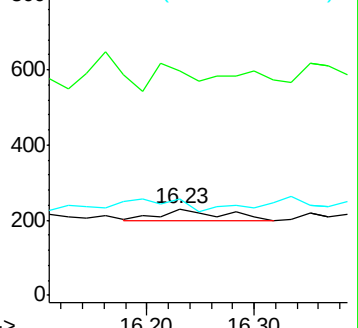
249 0.0 25.5 38.3#



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: 0.46 ng

RT: 16.56 min Scan# 2255

Delta R.T. -0.04 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

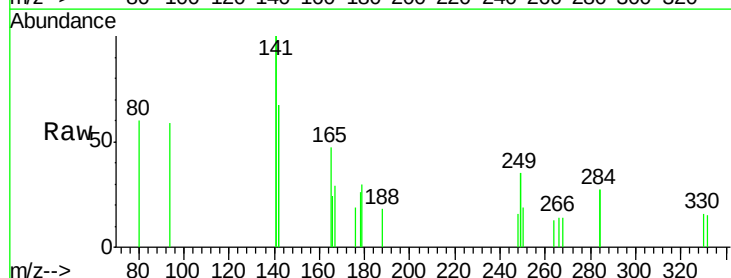
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 96.7 49.6 74.4#

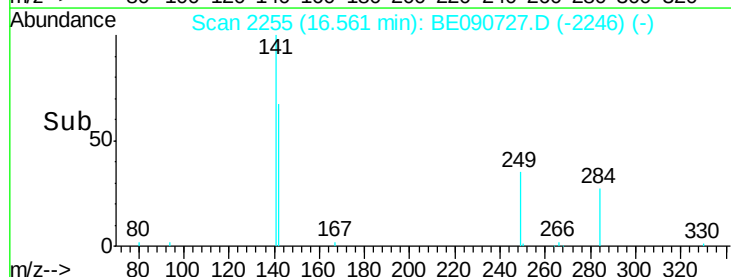
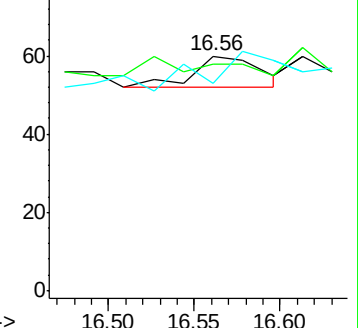
264 88.3 53.9 80.9#

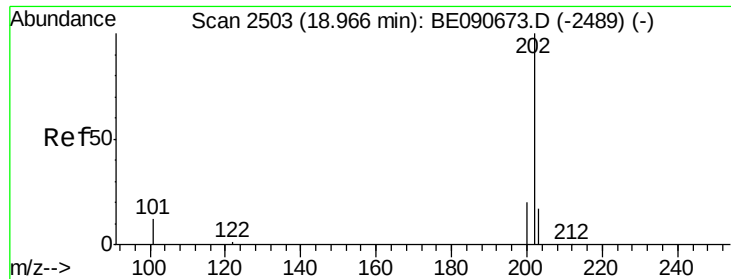


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

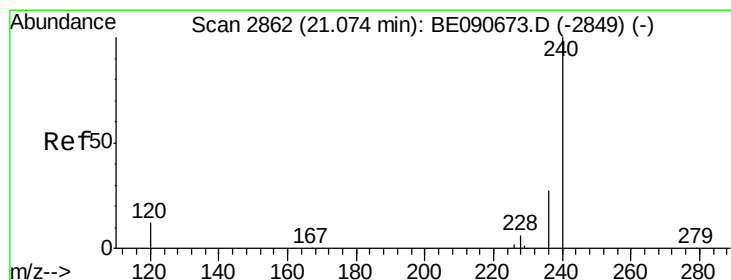
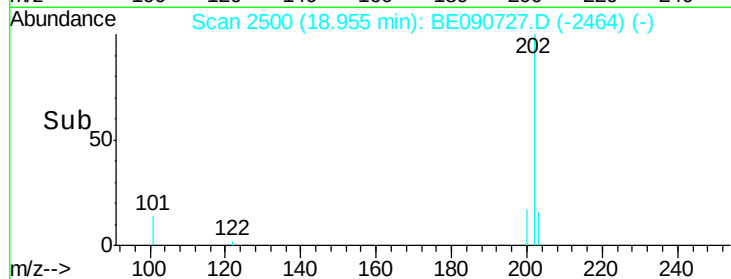
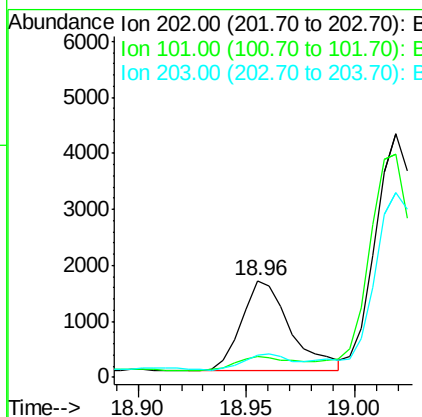
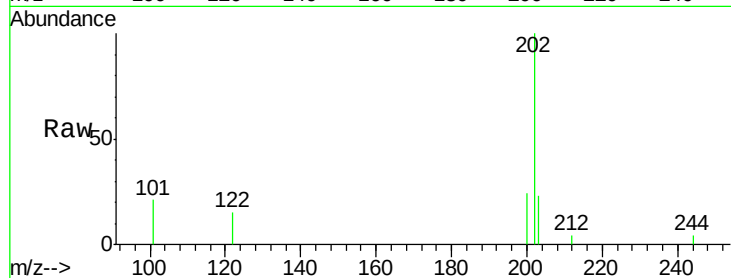




#24
 Fluoranthene
 Concen: 0.03 ng
 RT: 18.96 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

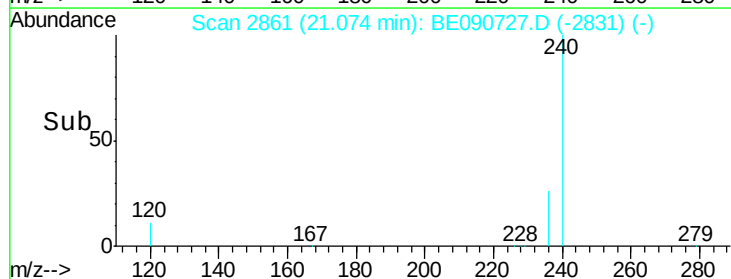
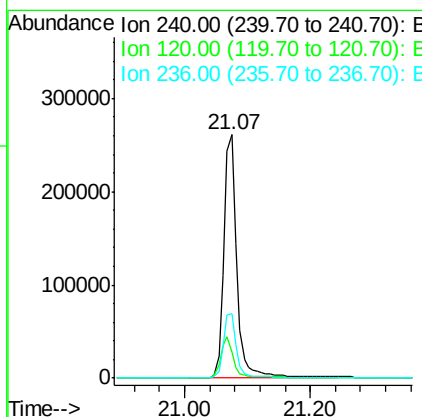
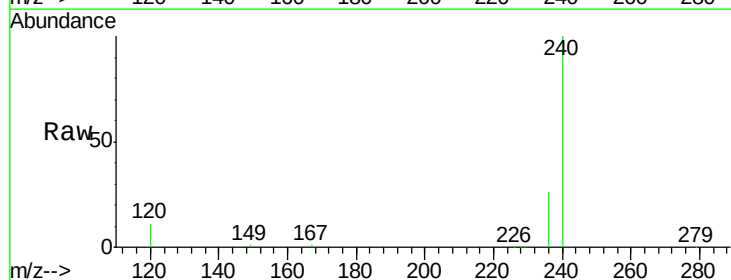
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0830006-20150901

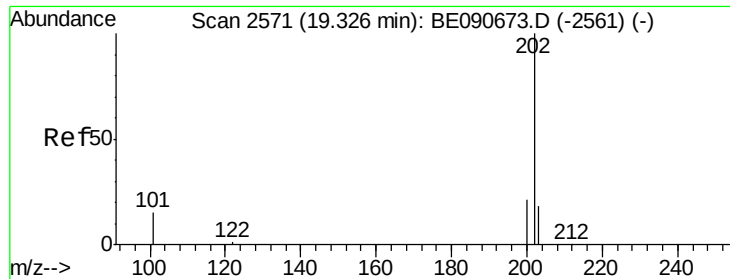
Tgt Ion: 202 Resp: 2535
 Ion Ratio Lower Upper
 202 100
 101 18.7 11.0 16.6#
 203 17.2 13.9 20.9



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.07 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

Tgt Ion: 240 Resp: 372419
 Ion Ratio Lower Upper
 240 100
 120 10.9 10.1 15.1
 236 26.2 21.9 32.9

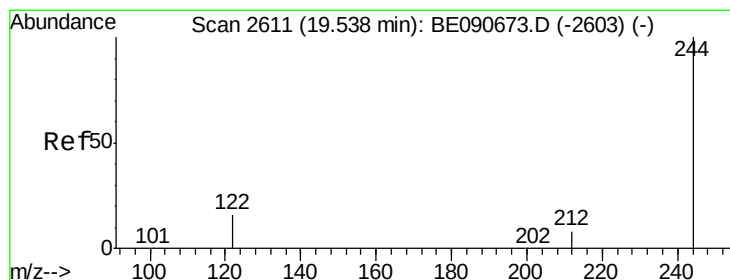
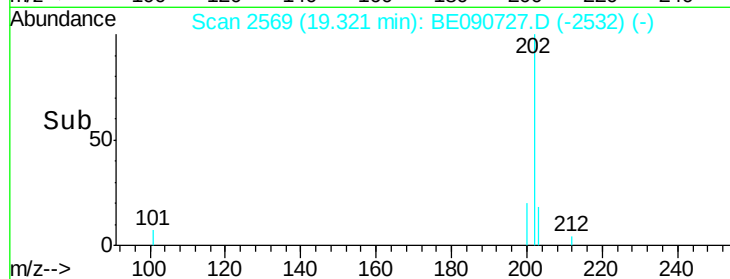
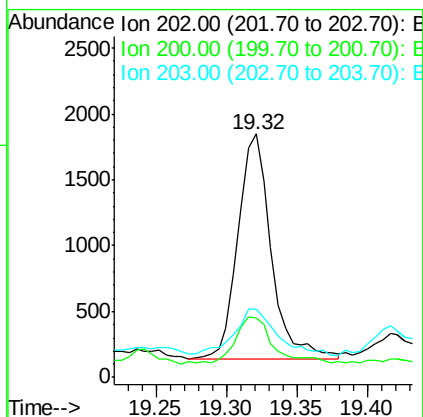
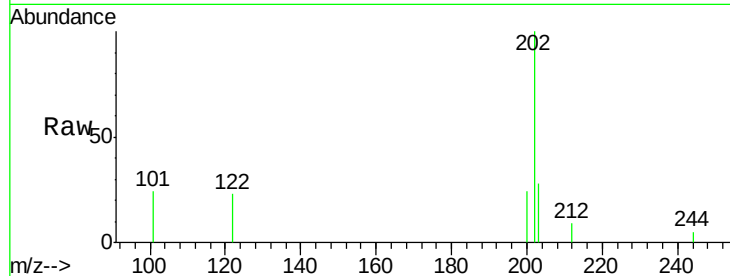




#26
 Pyrene
 Concen: 0.04 ng
 RT: 19.32 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

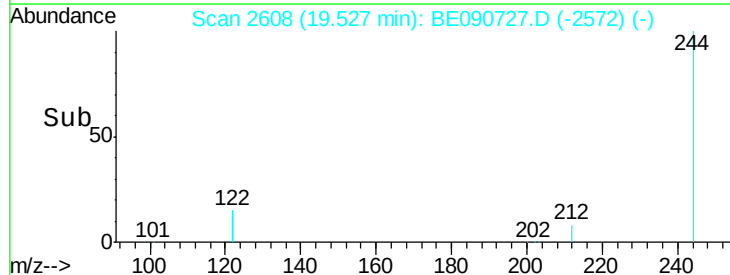
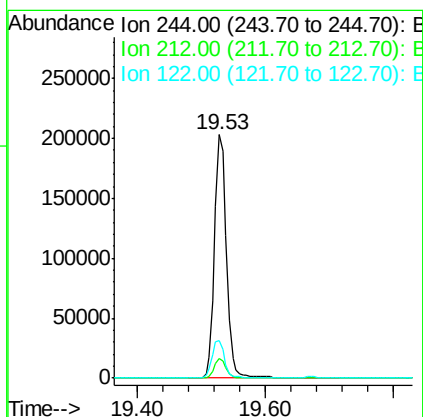
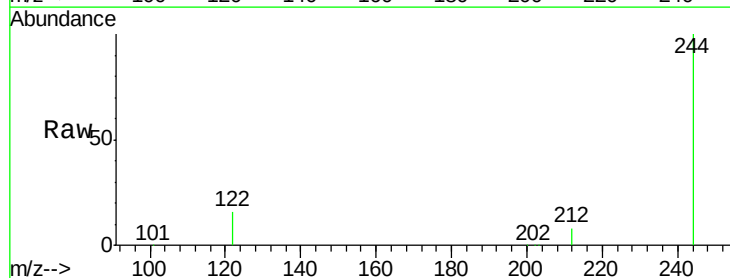
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0830006-20150901

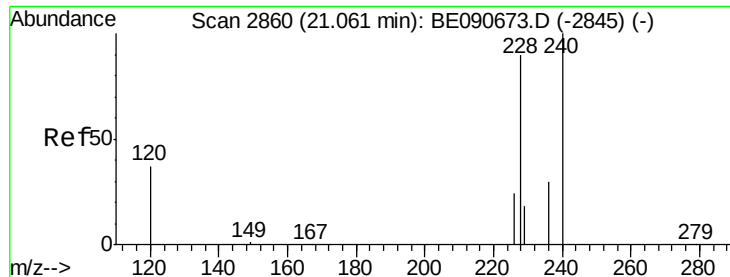
Tgt Ion: 202 Resp: 2814
 Ion Ratio Lower Upper
 202 100
 200 25.5 16.7 25.1#
 203 25.8 13.8 20.6#



#27
 Terphenyl-d14
 Concen: 6.46 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

Tgt Ion: 244 Resp: 266121
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 15.6 12.9 19.3





#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.06 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

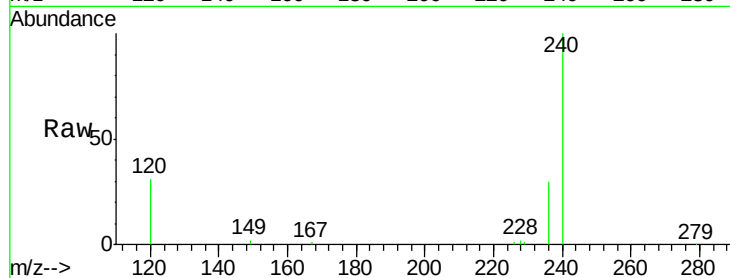
Tgt Ion:228 Resp: 3600

Ion Ratio Lower Upper

228 100

226 43.6 21.6 32.4#

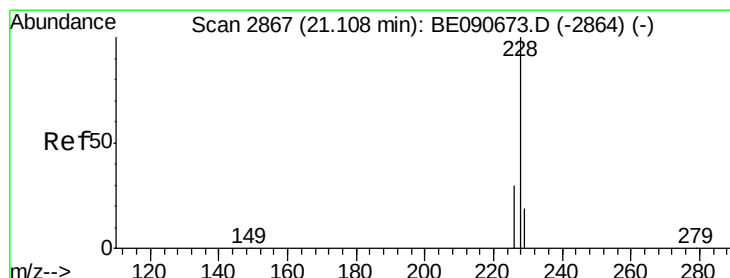
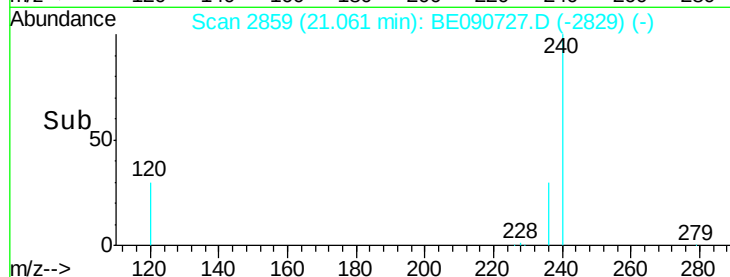
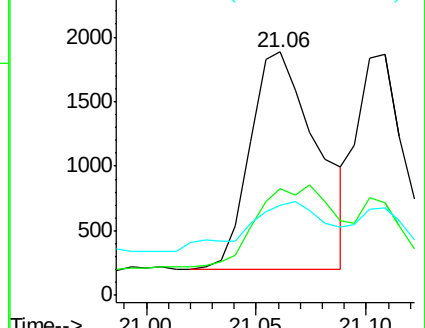
229 36.9 15.9 23.9#



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



#29

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

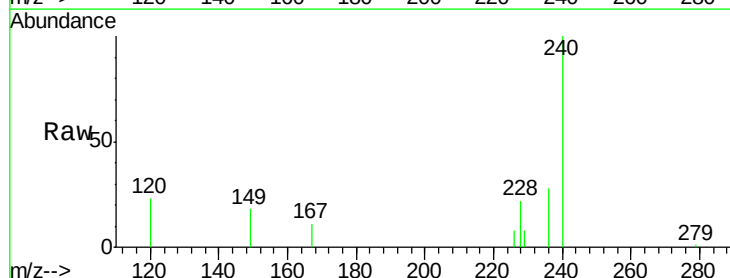
Tgt Ion:228 Resp: 2549

Ion Ratio Lower Upper

228 100

226 38.3 24.2 36.4#

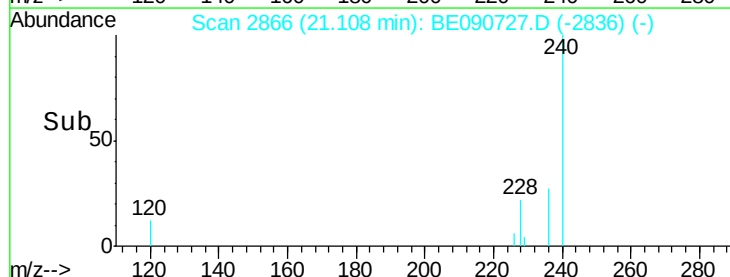
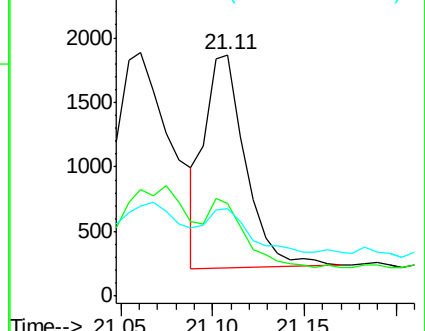
229 36.5 15.3 22.9#

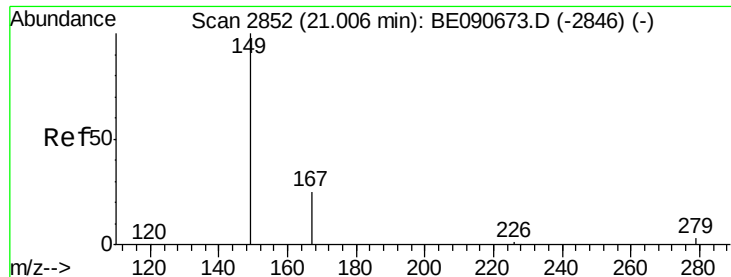


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.51 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

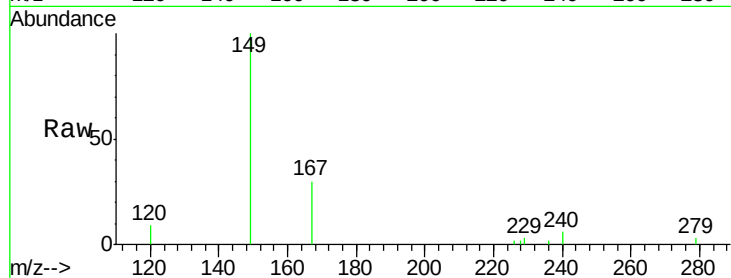
Tgt Ion:149 Resp: 9802

Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

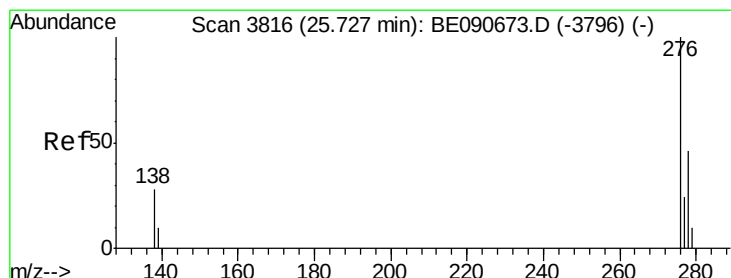
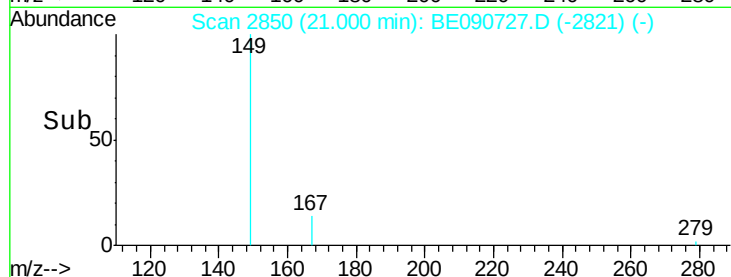
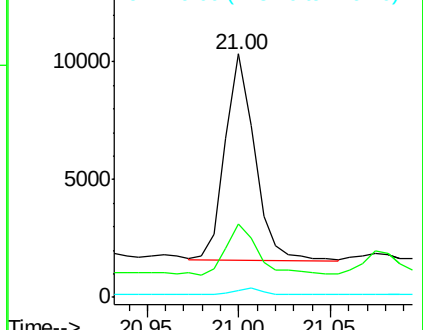
279 3.1 2.3 3.5



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: 25.72 min Scan# 3813

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

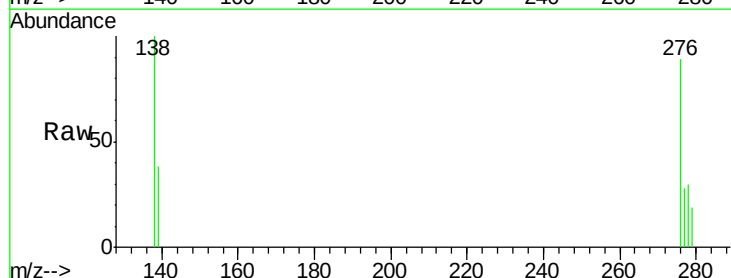
Tgt Ion:276 Resp: 2633

Ion Ratio Lower Upper

276 100

138 0.0 23.3 34.9#

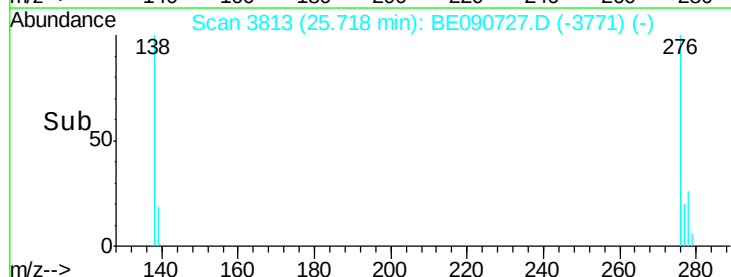
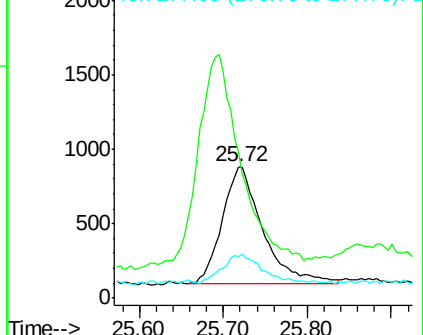
277 25.3 19.8 29.6

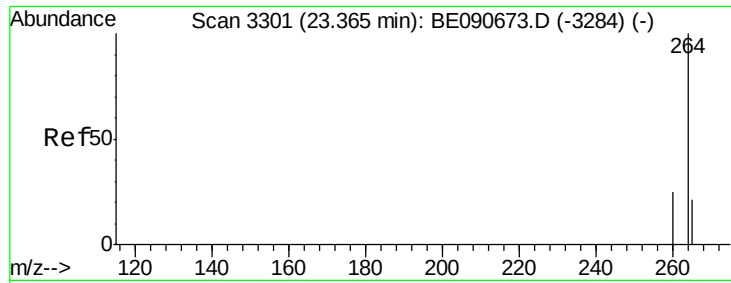


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

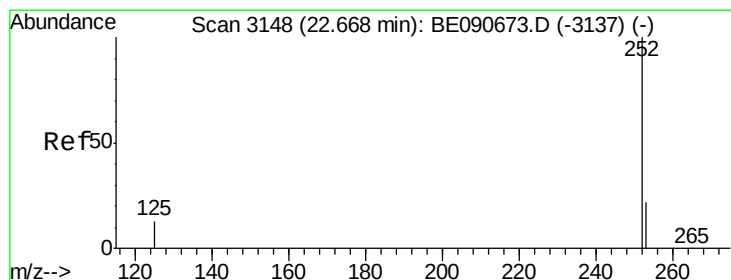
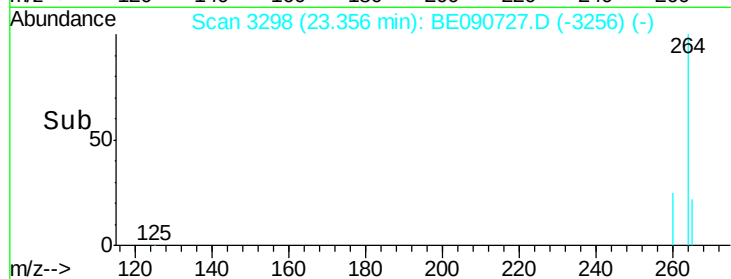
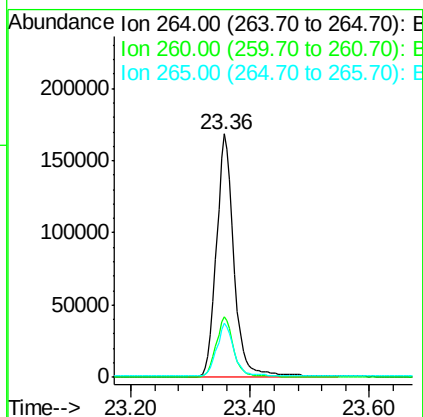
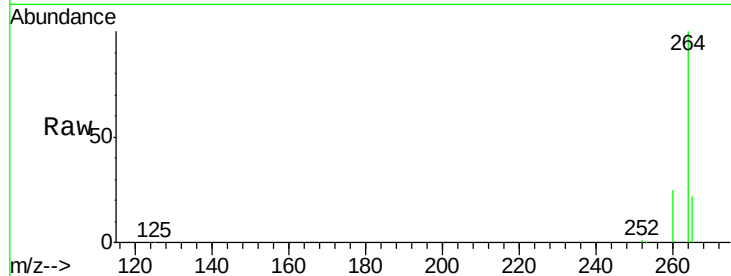




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

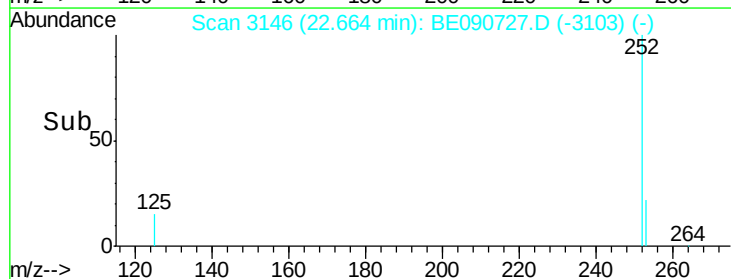
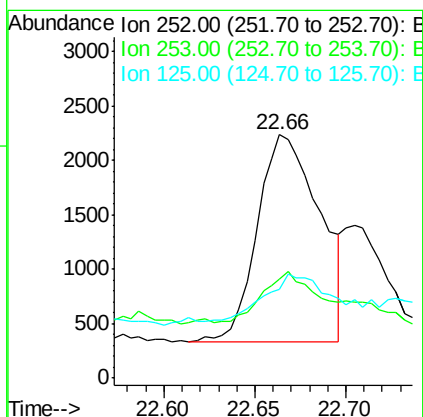
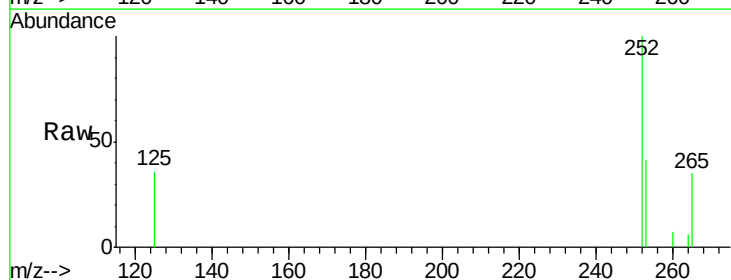
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0830006-20150901

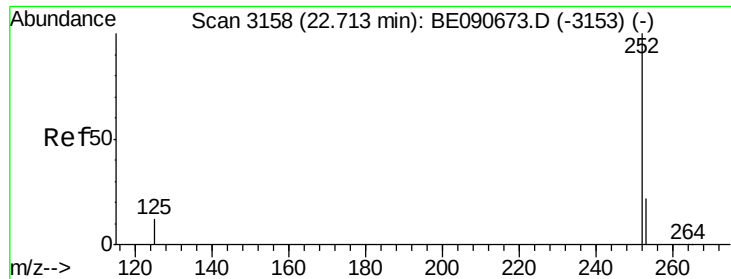
Tgt Ion: 264 Resp: 349912
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 22.2 17.5 26.3



#33
Benzo(b)fluoranthene
 Concen: 0.06 ng
 RT: 22.66 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BE090727.D
 Acq: 4 Sep 2015 13:24

Tgt Ion: 252 Resp: 4556
 Ion Ratio Lower Upper
 252 100
 253 40.6 17.9 26.9#
 125 36.5 10.6 16.0#

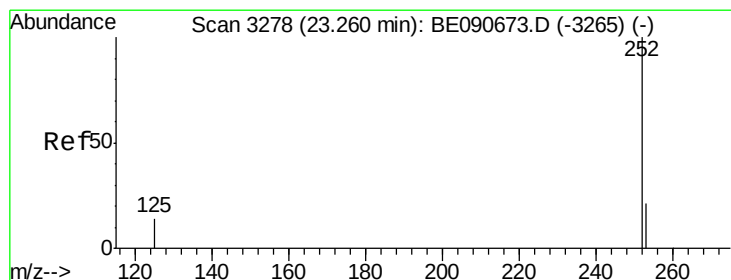
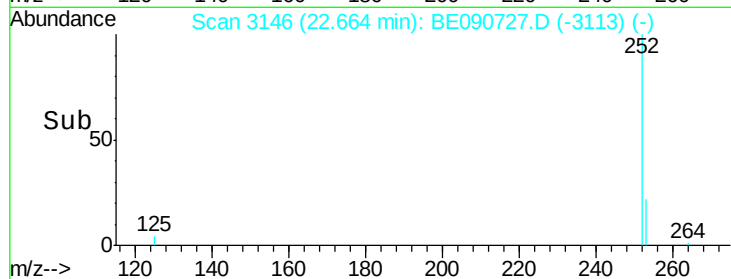
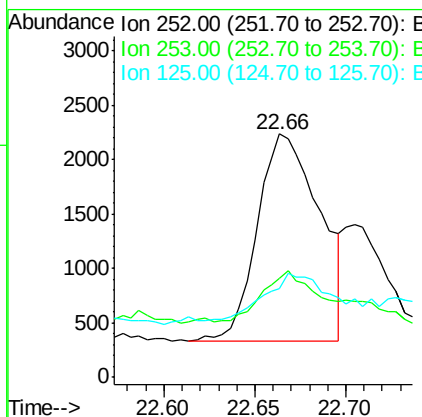
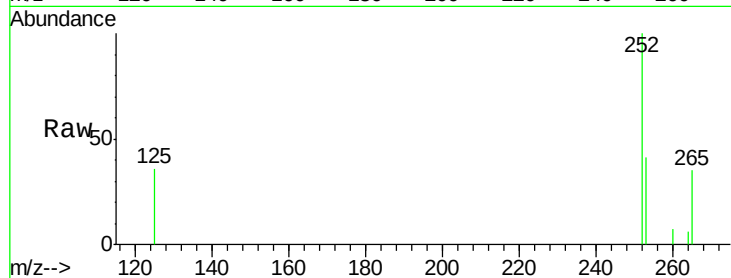




#34
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 22.66 min Scan# 3146
Delta R.T. -0.05 min
Lab File: BE090727.D
Acq: 4 Sep 2015 13:24

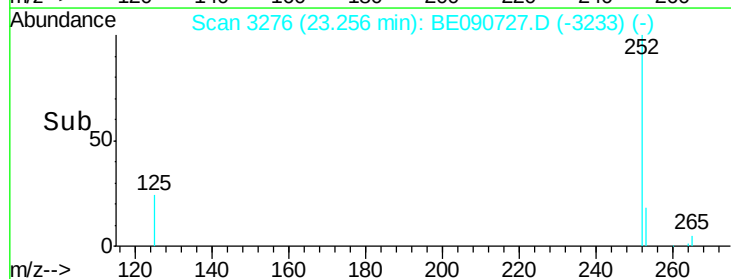
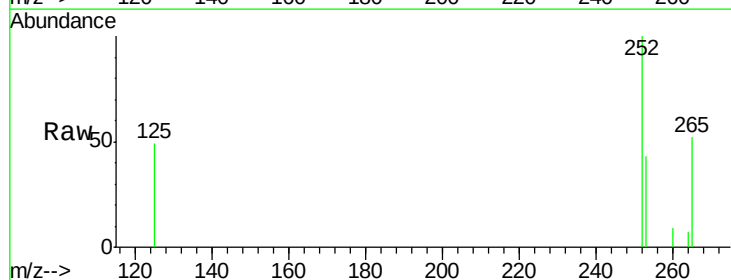
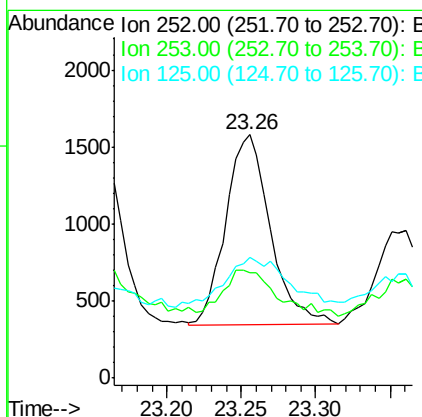
Instrument :
BNA_E
ClientSampleId :
X1SB0830006-20150901

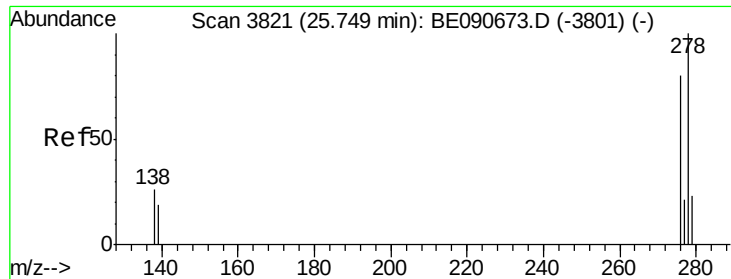
Tgt Ion: 252 Resp: 4556
Ion Ratio Lower Upper
252 100
253 40.6 17.9 26.9#
125 36.5 10.1 15.1#



#35
Benzo(a)pyrene
Concen: 0.04 ng
RT: 23.26 min Scan# 3276
Delta R.T. -0.00 min
Lab File: BE090727.D
Acq: 4 Sep 2015 13:24

Tgt Ion: 252 Resp: 2572
Ion Ratio Lower Upper
252 100
253 43.5 17.5 26.3#
125 49.4 11.6 17.4#





#36

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 25.73 min Scan# 3816

Delta R.T. -0.02 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Instrument :

BNA_E

ClientSampleId :

X1SB0830006-20150901

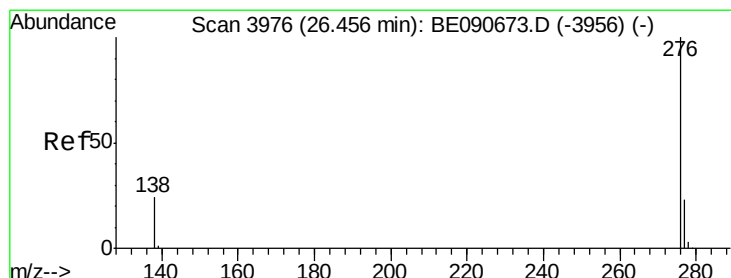
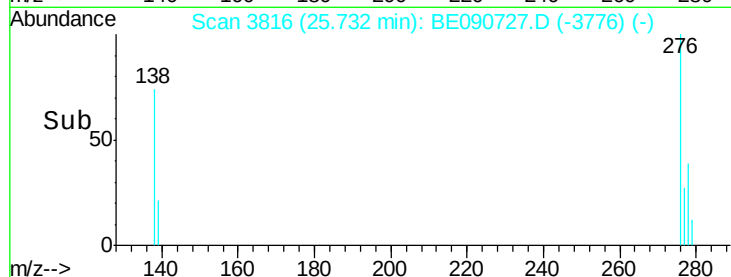
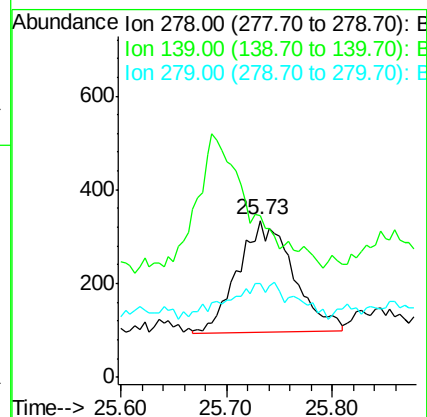
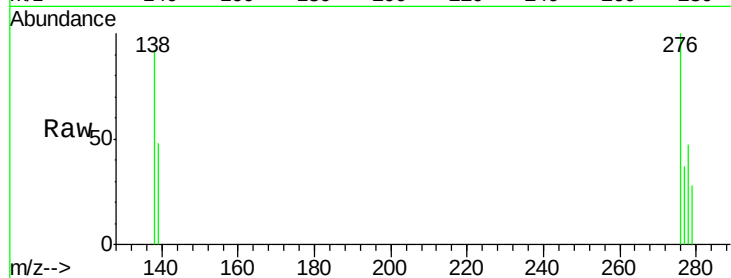
Tgt Ion:278 Resp: 870

Ion Ratio Lower Upper

278 100

139 102.7 15.4 23.0#

279 59.7 18.8 28.2#



#37

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 26.44 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BE090727.D

Acq: 4 Sep 2015 13:24

Tgt Ion:276 Resp: 2894

Ion Ratio Lower Upper

276 100

277 33.3 18.5 27.7#

138 53.1 20.1 30.1#

