

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090415\
 Data File : BE090731.D
 Acq On : 4 Sep 2015 16:02
 Operator : UM/IZ
 Sample : PB85414BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85414BL

Quant Time: Sep 04 16:34:43 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	43982	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	190019	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	102179	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	255592	5.00	ng	0.00
25) Chrysene-d12	21.07	240	321502	5.00	ng	0.00
32) Perylene-d12	23.36	264	297124	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	80563	9.39	ng	0.00
5) Phenol-d6	6.75	99	105039	8.58	ng	0.00
7) Nitrobenzene-d5	8.72	82	44847	3.57	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	24275	8.09	ng	0.02
14) 2-Fluorobiphenyl	12.80	172	98727	3.49	ng	0.00
27) Terphenyl-d14	19.53	244	166376	4.68	ng	0.00

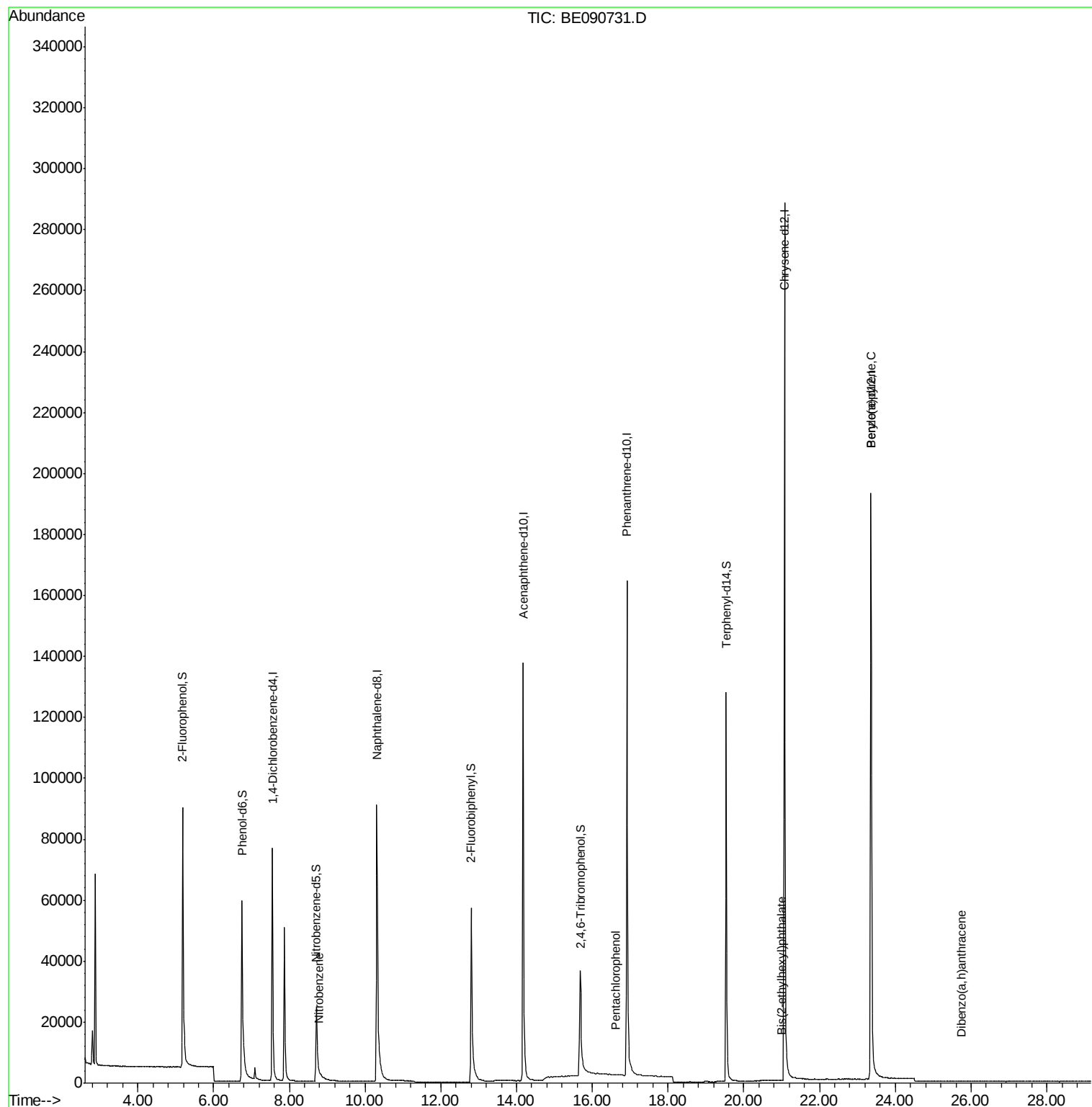
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	83	Below Cal	#	43
3) n-Nitrosodimethylamine	3.47	42	44	Below Cal	#	1
8) Nitrobenzene	8.78	77	15	0.11 ng	#	30
20) Hexachlorobenzene	16.25	284	81	Below Cal	#	1
21) Pentachlorophenol	16.61	266	34	0.47 ng	#	67
28) Benzo(a)anthracene	21.07	228	1048	Below Cal	#	74
29) Chrysene	21.07	228	1048	Below Cal	#	71
30) Bis(2-ethylhexyl)phthalate	21.01	149	288	0.08 ng	#	86
35) Benzo(a)pyrene	23.36	252	1192	0.02 ng	#	24
36) Dibenzo(a,h)anthracene	25.75	278	11	0.14 ng	#	1

(#) = 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. -0.01 min

Lab File: BE090731.D

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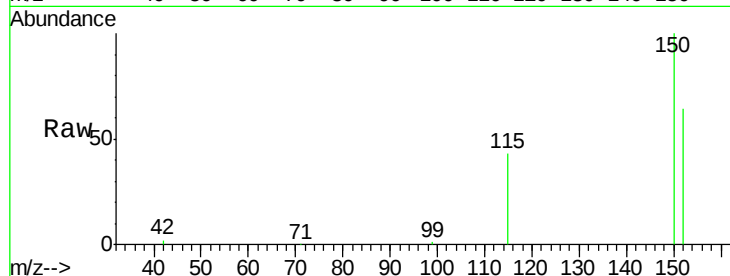
Tgt Ion:152 Resp: 43982

Ion Ratio Lower Upper

152 100

150 156.4 122.2 183.4

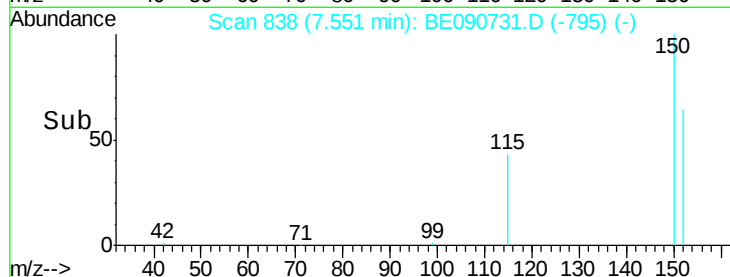
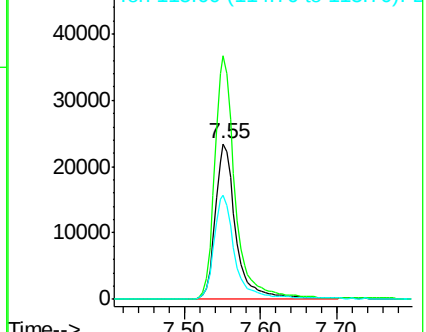
115 66.8 51.0 76.4



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: 3.20 min Scan# 88

Delta R.T. 0.04 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

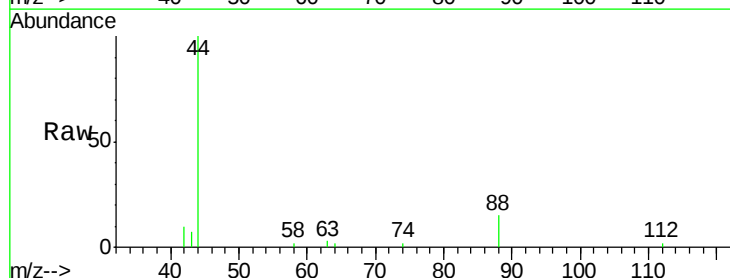
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

58 25.3 68.4 102.6#

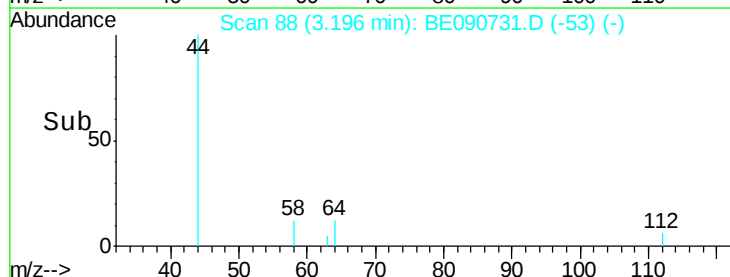
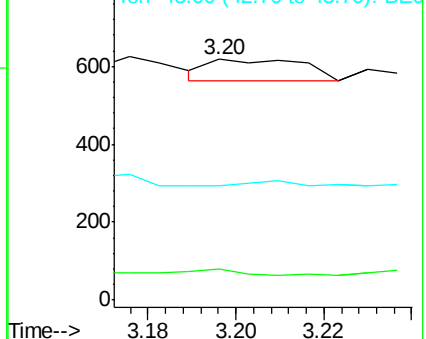
43 13.3 26.9 40.3#



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



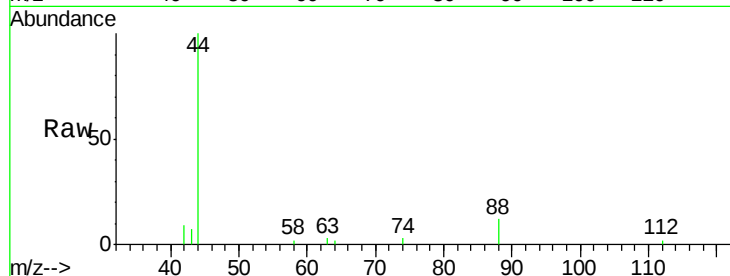


#3

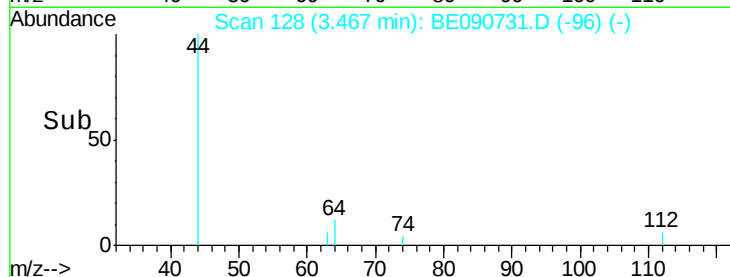
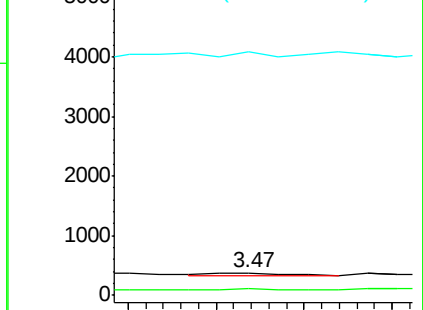
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.47 min Scan# 128
 Delta R.T. 0.02 min
 Lab File: BE090731.D
 Acq: 4 Sep 2015 16:02

Instrument :
 BNA_E
 ClientSampleId :
 PB85414BL

Tgt Ion: 42 Resp: 44
 Ion Ratio Lower Upper
 42 100
 74 43.2 83.7 125.5#
 44 306.8 10.0 15.0#



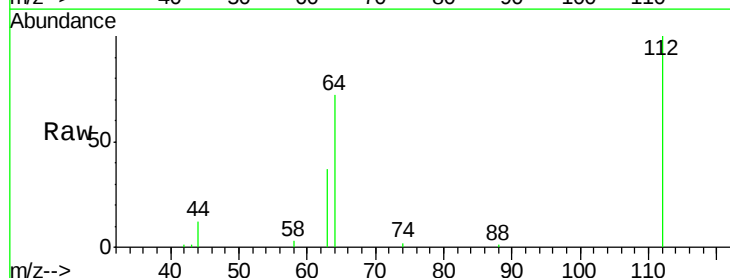
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



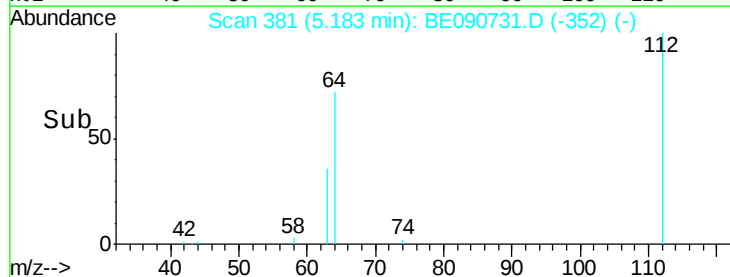
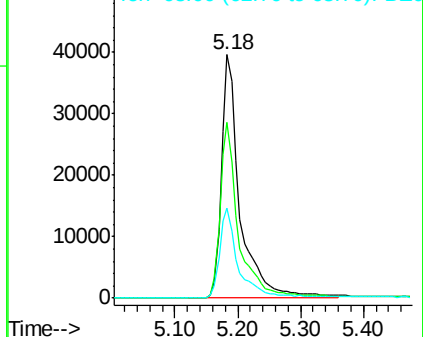
#4

2-Fluorophenol
 Concen: 9.39 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090731.D
 Acq: 4 Sep 2015 16:02

Tgt Ion: 112 Resp: 80563
 Ion Ratio Lower Upper
 112 100
 64 71.6 57.3 85.9
 63 36.7 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: 8.58 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.01 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :

BNA_E

ClientSampleId :

PB85414BL

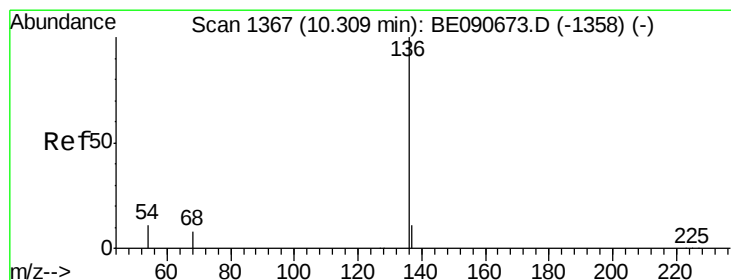
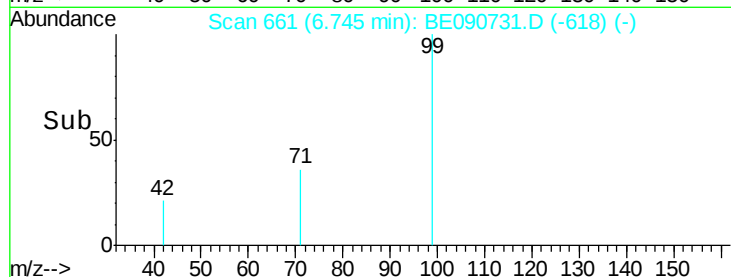
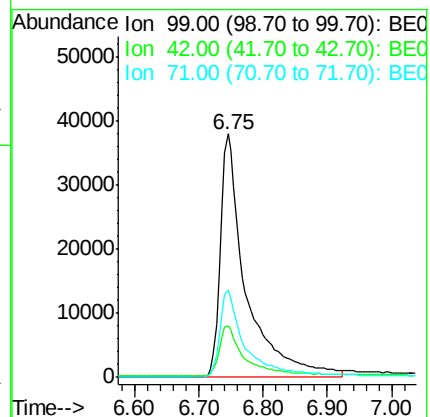
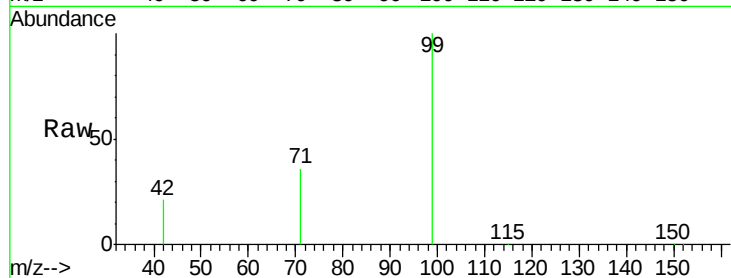
Tgt Ion: 99 Resp: 105039

Ion Ratio Lower Upper

99 100

42 21.2 16.8 25.2

71 35.9 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Tgt Ion: 136 Resp: 190019

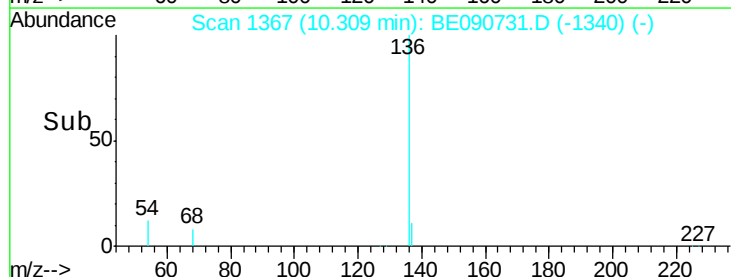
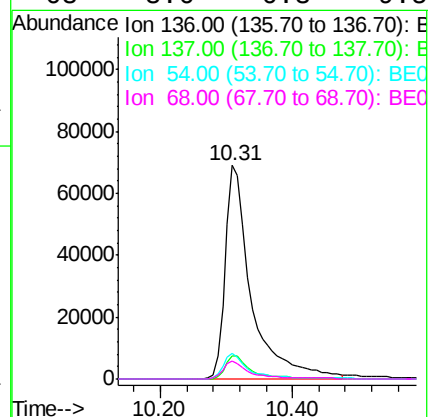
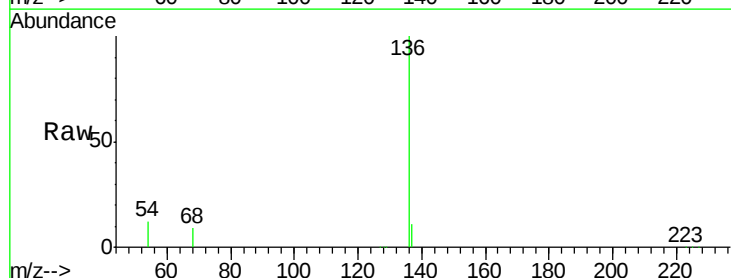
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 12.3 9.0 13.6

68 8.6 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.57 ng

RT: 8.72 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :

BNA_E

ClientSampleId :

PB85414BL

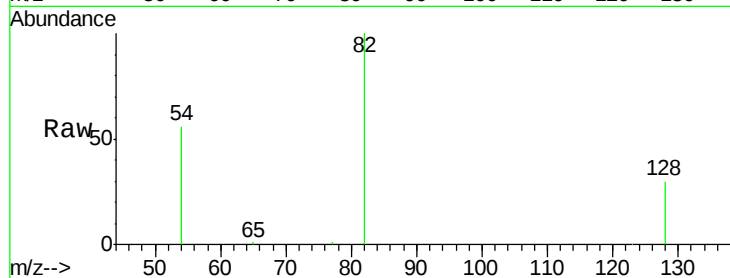
Tgt Ion: 82 Resp: 44847

Ion Ratio Lower Upper

82 100

128 30.2 25.0 37.4

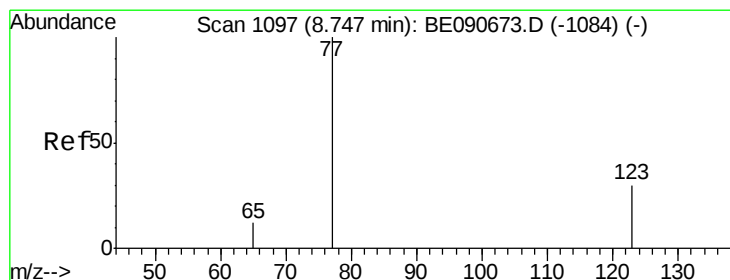
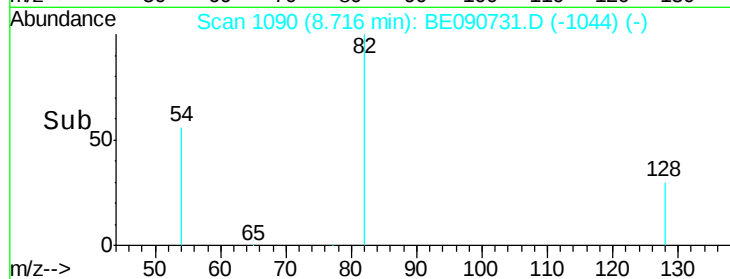
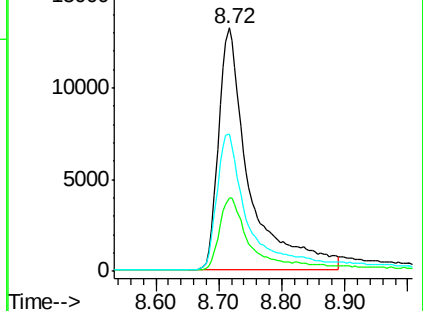
54 56.2 46.3 69.5



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: 8.78 min Scan# 1104

Delta R.T. 0.03 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

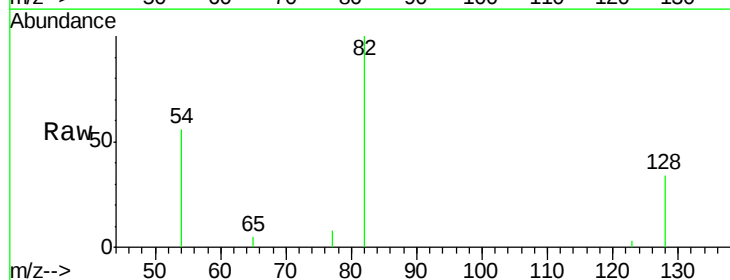
Tgt Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 66.7 25.1 37.7#

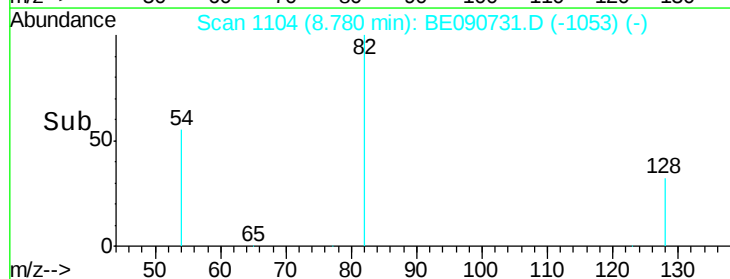
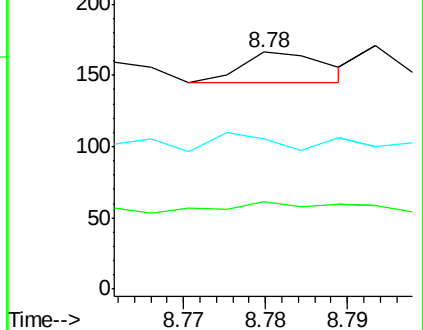
65 46.7 9.9 14.9#

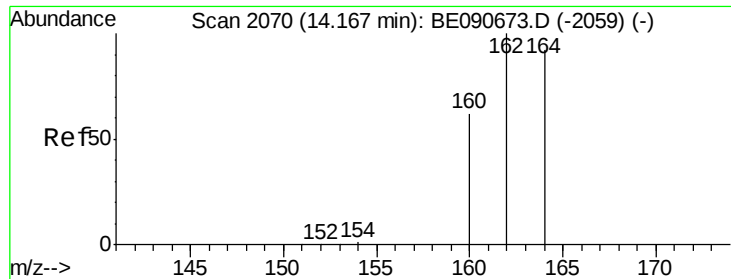


Abundance Ion 77.00 (76.70 to 77.70): BE0

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. 0.01 min

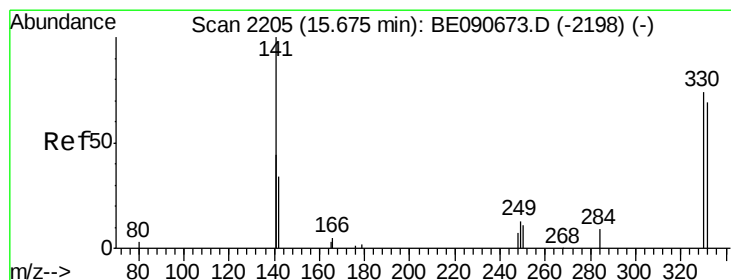
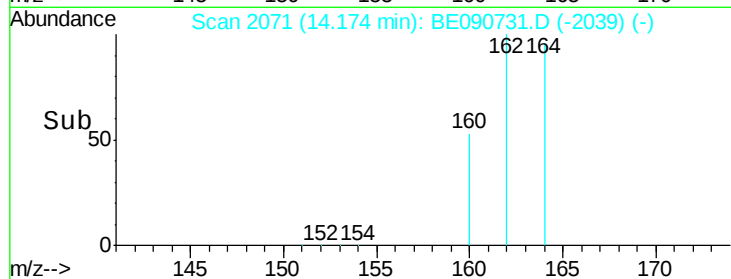
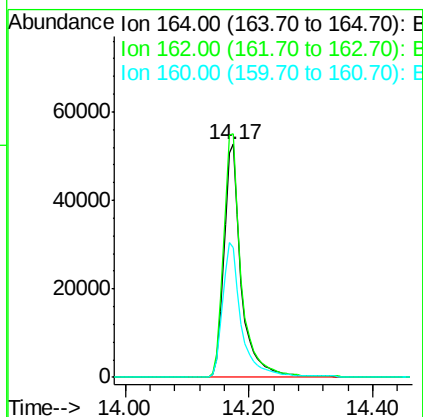
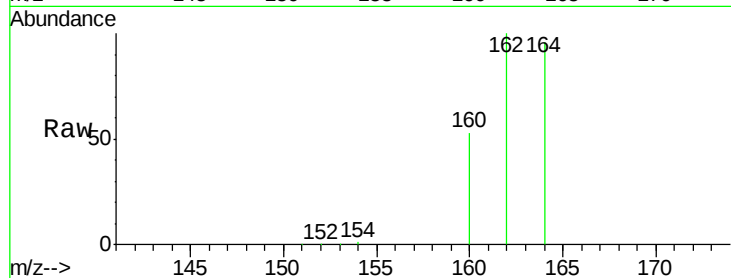
Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :
BNA_E
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Tgt Ion:164 Resp: 102179

Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.8	130.2
160	55.7	53.9	80.9



#13

2,4,6-Tribromophenol

Concen: 8.09 ng

RT: 15.69 min Scan# 2205

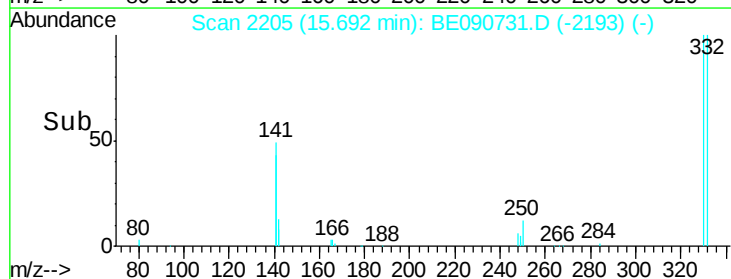
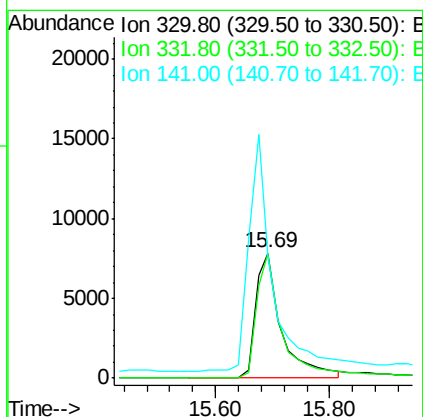
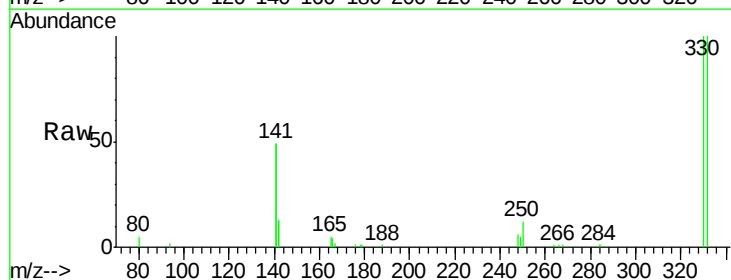
Delta R.T. 0.02 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Tgt Ion:330 Resp: 24275

Ion	Ratio	Lower	Upper
330	100		
332	96.1	74.9	112.3
141	178.0	145.2	217.8

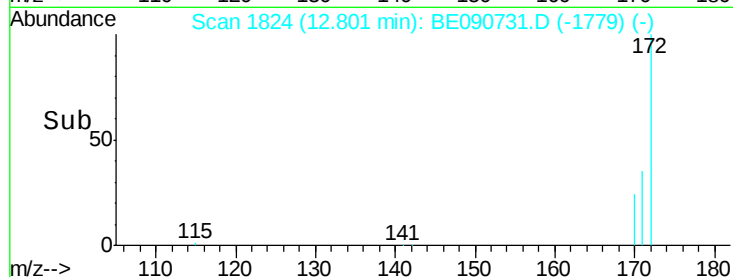
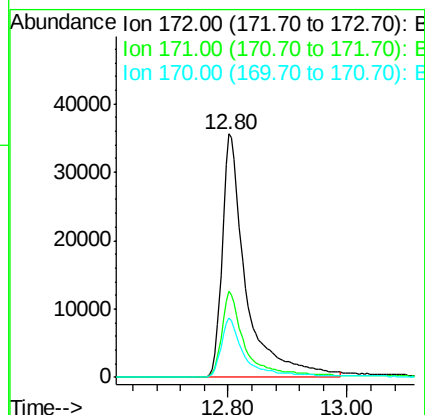
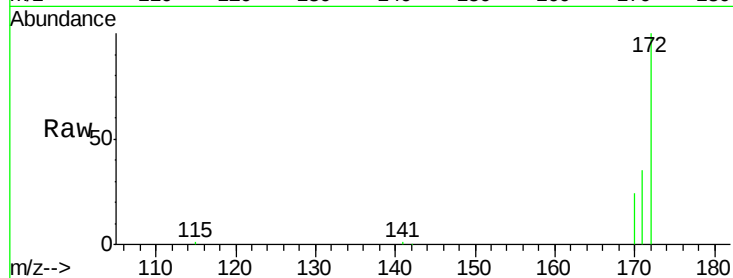




#14
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 12.80 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BE090731.D
Acq: 4 Sep 2015 16:02

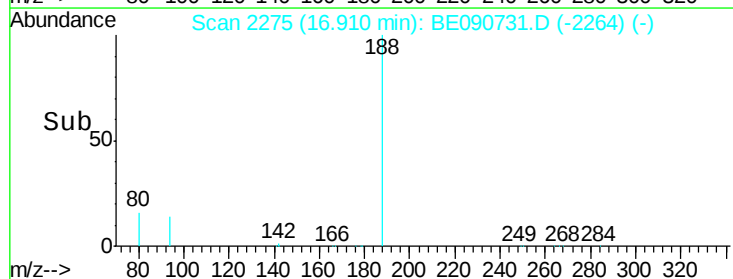
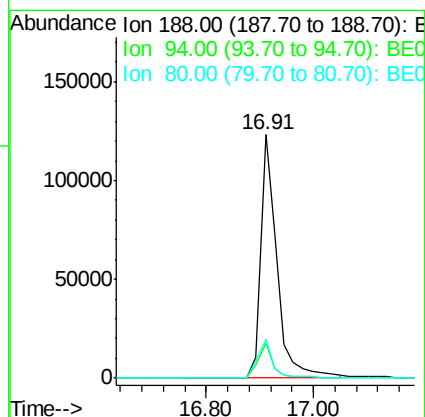
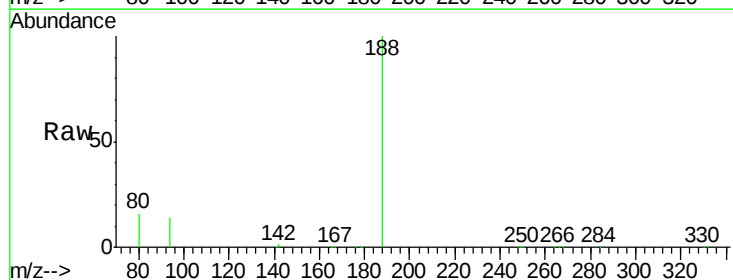
Instrument :
BNA_E
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Tgt Ion:172 Resp: 98727
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 24.4 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090731.D
Acq: 4 Sep 2015 16:02

Tgt Ion:188 Resp: 255592
Ion Ratio Lower Upper
188 100
94 14.2 10.3 15.5
80 16.1 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.25 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :

BNA_E

ClientSampleID :

PB85414BL

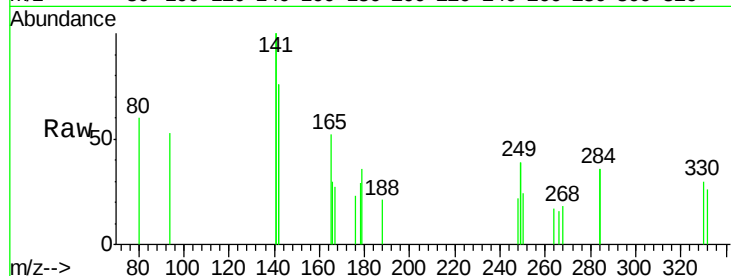
Tgt Ion: 284 Resp: 81

Ion Ratio Lower Upper

284 100

142 303.7 35.0 52.4#

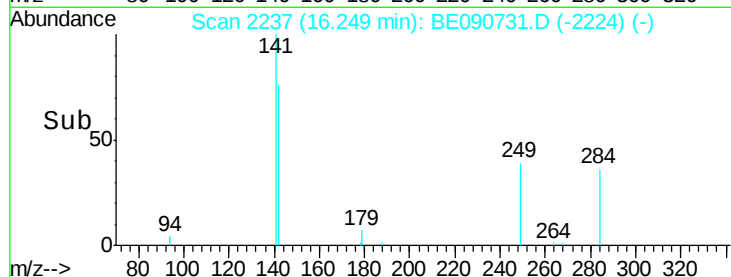
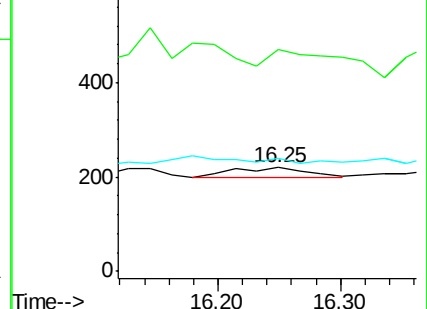
249 0.0 25.5 38.3#



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: 0.47 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

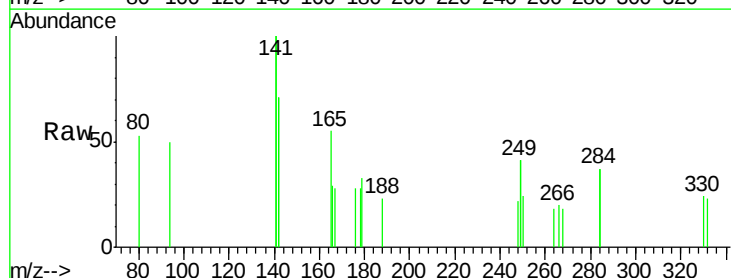
Tgt Ion: 266 Resp: 34

Ion Ratio Lower Upper

266 100

268 91.4 49.6 74.4#

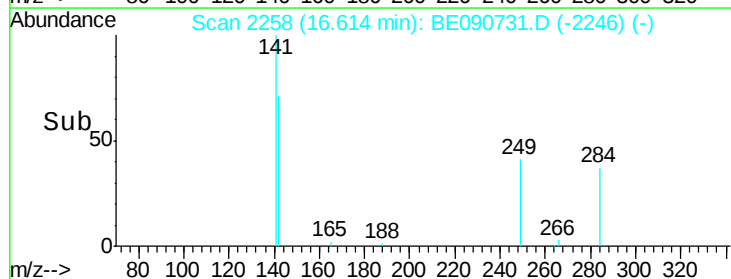
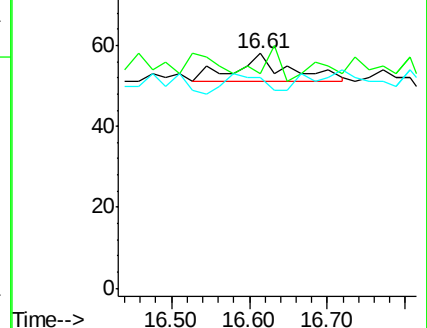
264 89.7 53.9 80.9#



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

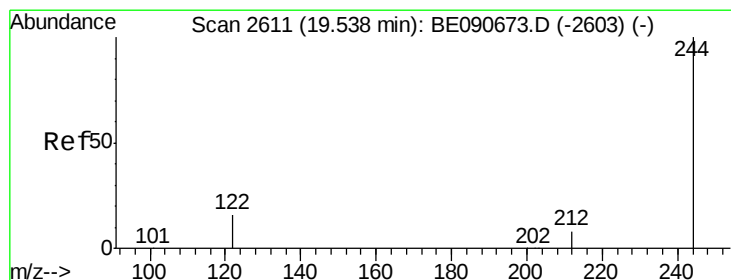
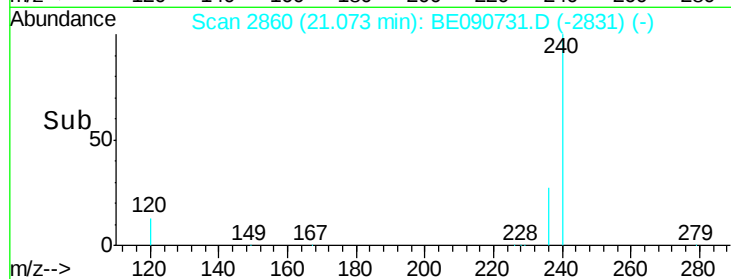
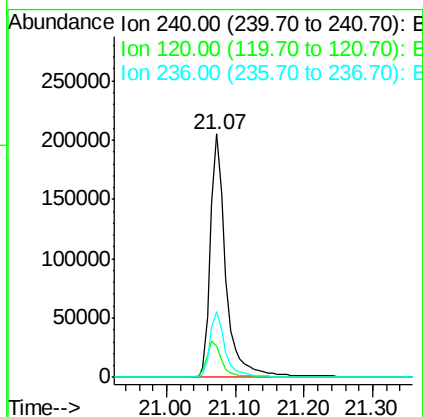
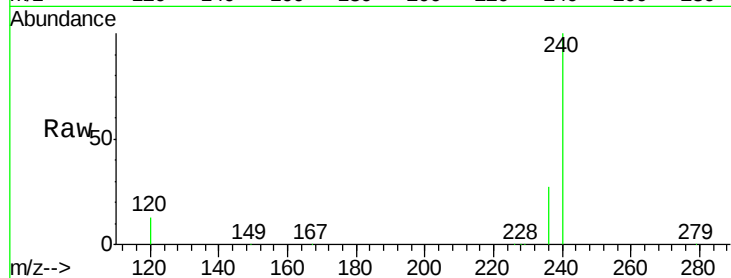




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE090731.D
Acq: 4 Sep 2015 16:02

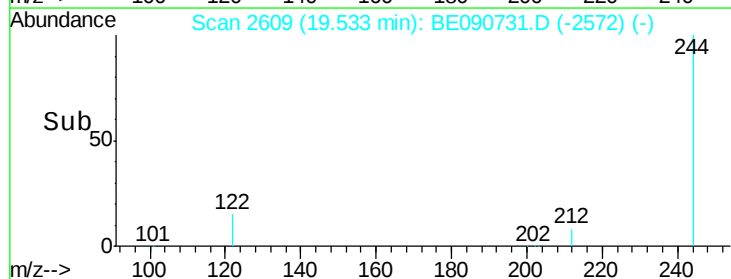
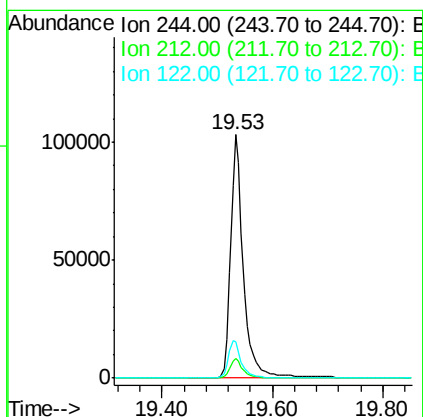
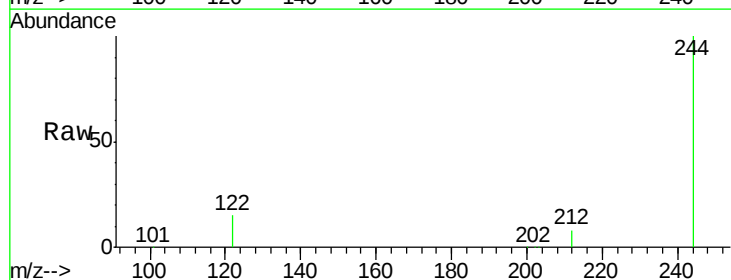
Instrument :
BNA_E
ClientSampleId :
PB85414BL

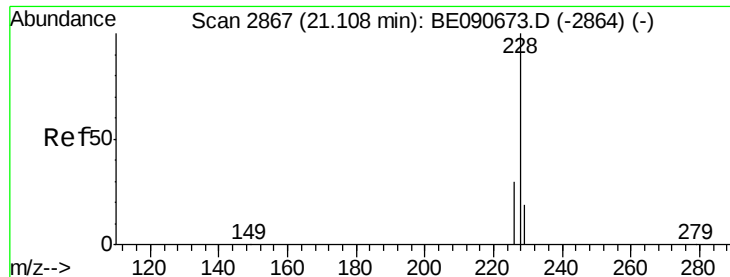
Tgt Ion:240 Resp: 321502
Ion Ratio Lower Upper
240 100
120 12.7 10.1 15.1
236 27.2 21.9 32.9



#27
Terphenyl-d14
Concen: 4.68 ng
RT: 19.53 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BE090731.D
Acq: 4 Sep 2015 16:02

Tgt Ion:244 Resp: 166376
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 15.1 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2860

Delta R.T. -0.03 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :

BNA_E

ClientSampleId :

PB85414BL

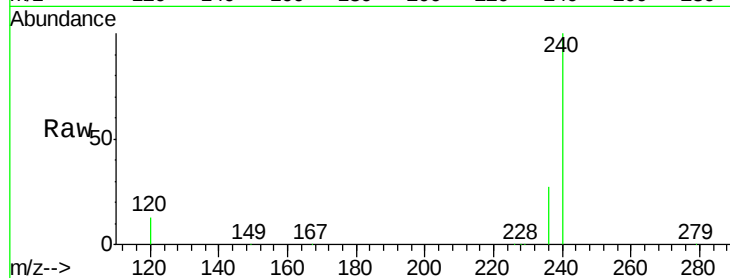
Tgt Ion:228 Resp: 1048

Ion Ratio Lower Upper

228 100

226 18.0 24.2 36.4#

229 36.9 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

21.07

600

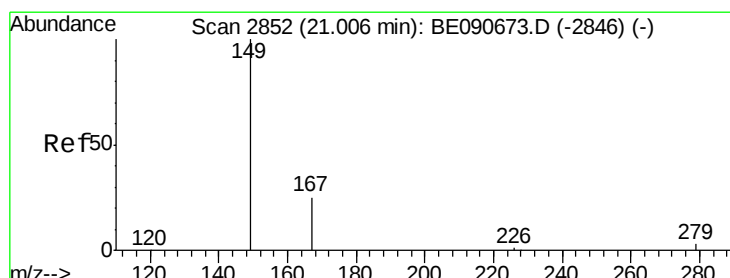
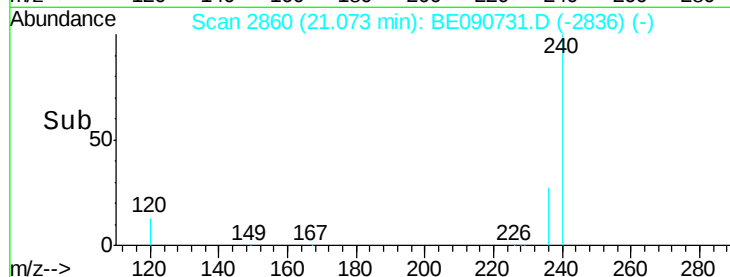
400

200

0

21.00 21.05 21.10

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.01 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

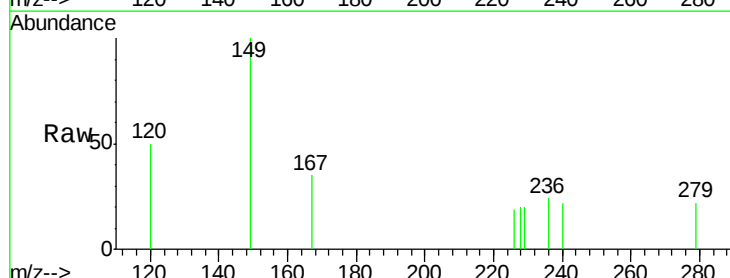
Tgt Ion:149 Resp: 288

Ion Ratio Lower Upper

149 100

167 17.7 20.1 30.1#

279 0.0 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

21.01

400

300

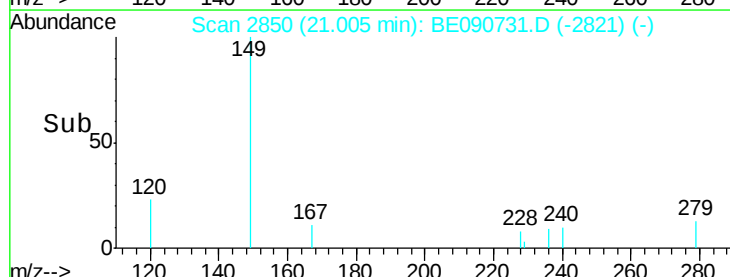
200

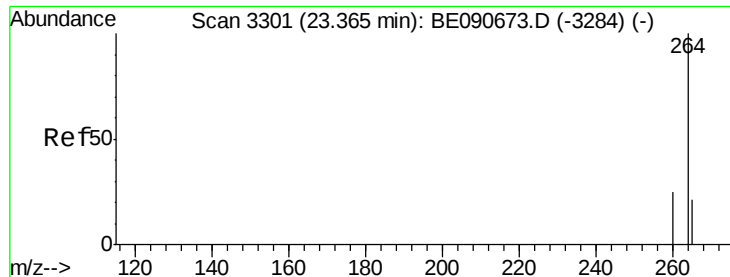
100

0

20.95 21.00 21.05

Time-->

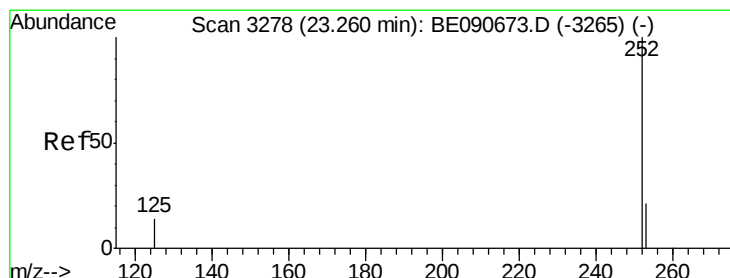
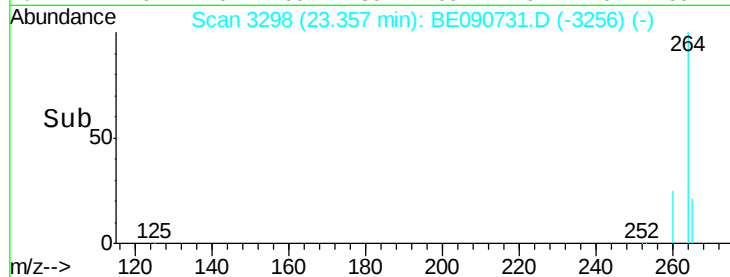
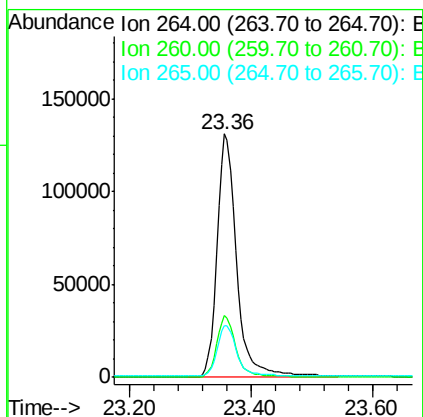
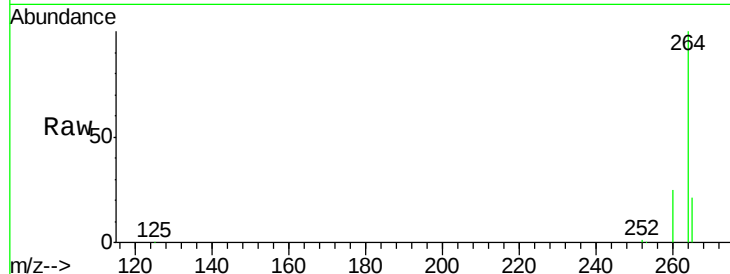




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090731.D
 Acq: 4 Sep 2015 16:02

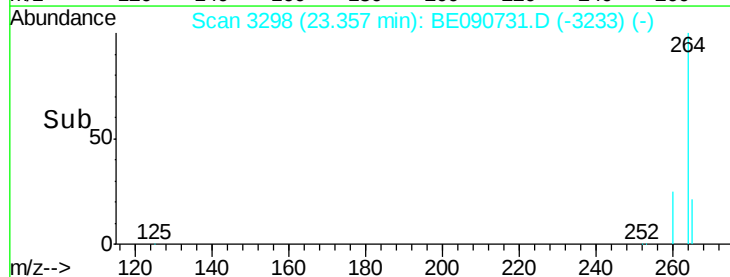
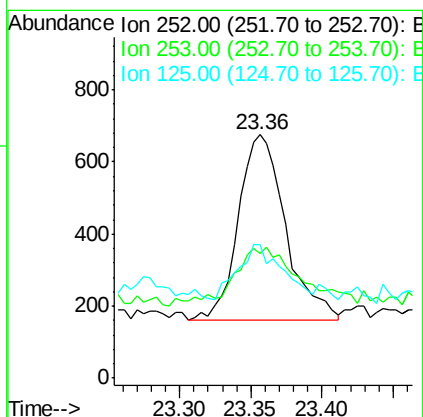
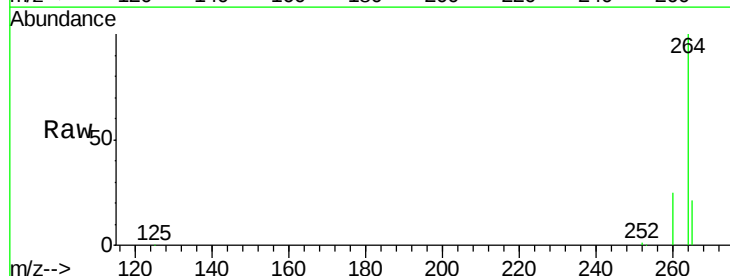
Instrument :
 BNA_E
 ClientSampleId :
 PB85414BL

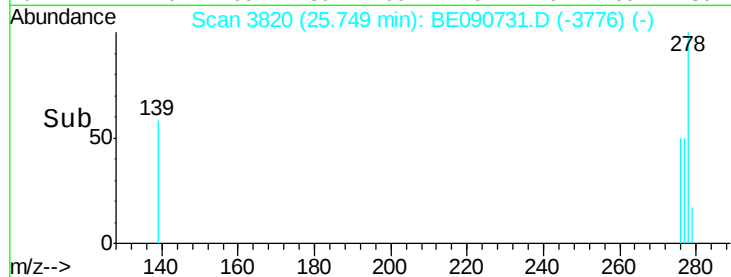
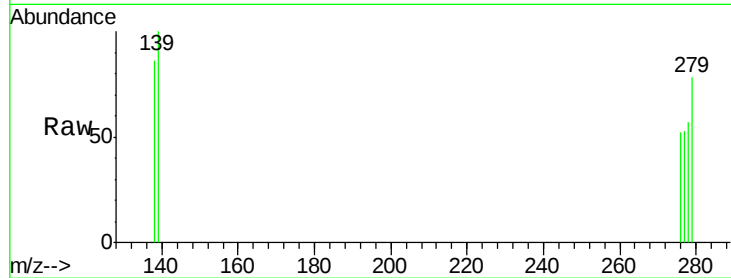
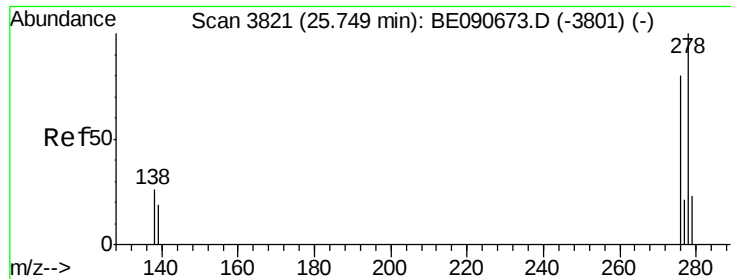
Tgt Ion: 264 Resp: 297124
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 21.2 17.5 26.3



#35
Benzo(a)pyrene
 Concen: 0.02 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: BE090731.D
 Acq: 4 Sep 2015 16:02

Tgt Ion: 252 Resp: 1192
 Ion Ratio Lower Upper
 252 100
 253 51.2 17.5 26.3#
 125 55.0 11.6 17.4#





#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.75 min Scan# 3820

Delta R.T. 0.00 min

Lab File: BE090731.D

Acq: 4 Sep 2015 16:02

Instrument :

BNA_E

ClientSampleId :

PB85414BL

Tgt Ion: 278 Resp: 11

Ion Ratio Lower Upper

278 100

139 176.1 15.4 23.0#

279 138.0 18.8 28.2#

