

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090859.D
 Acq On : 17 Sep 2015 11:02
 Operator : UM/IZ
 Sample : G3677-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-U-M

Quant Time: Sep 17 11:39:34 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	38598	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	180210	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	96602	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	229911	5.00	ng	0.00
25) Chrysene-d12	21.07	240	272327	5.00	ng	0.00
32) Perylene-d12	23.35	264	250827	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	30093	4.01	ng	0.00
5) Phenol-d6	6.75	99	27117	2.52	ng	0.00
7) Nitrobenzene-d5	8.71	82	47426	3.98	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	23756	8.37	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	105516	3.94	ng	0.00
27) Terphenyl-d14	19.53	244	168372	5.59	ng	-0.01

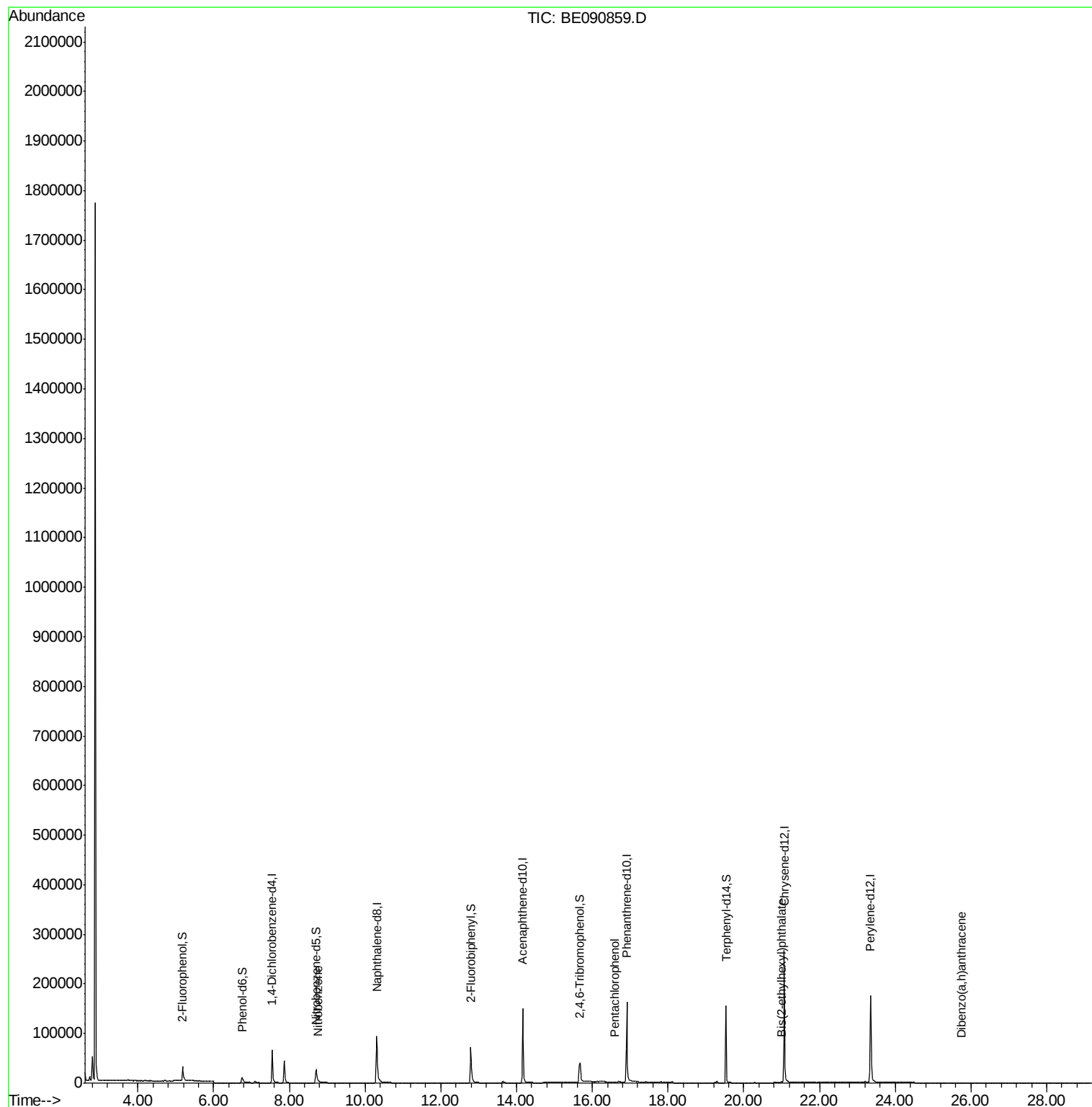
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	162	Below Cal	#	21
3) n-Nitrosodimethylamine	3.45	42	32	Below Cal	#	1
8) Nitrobenzene	8.77	77	8	0.11	ng	83
20) Hexachlorobenzene	16.23	284	111	Below Cal	#	1
21) Pentachlorophenol	16.60	266	38	0.47	ng	65
29) Chrysene	21.10	228	477	Below Cal	#	69
30) Bis(2-ethylhexyl)phthalate	20.99	149	2629	0.23	ng	99
36) Dibenzo(a,h)anthracene	25.75	278	108	0.14	ng	1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

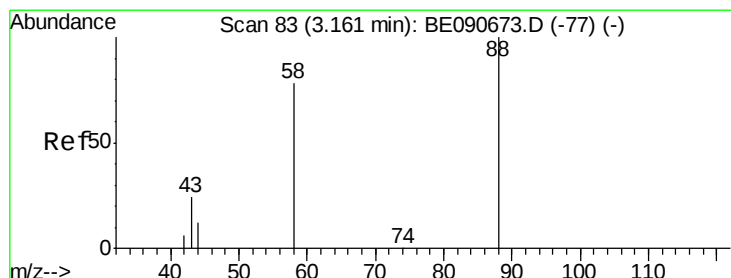
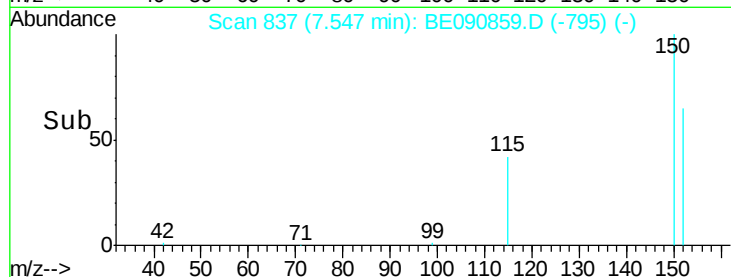
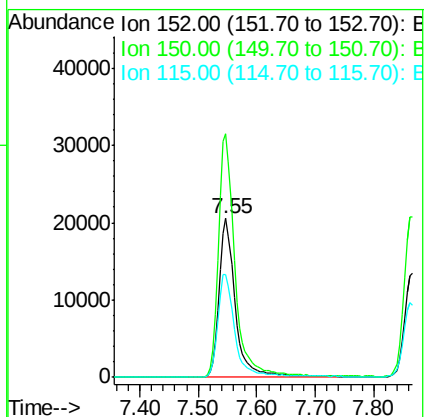
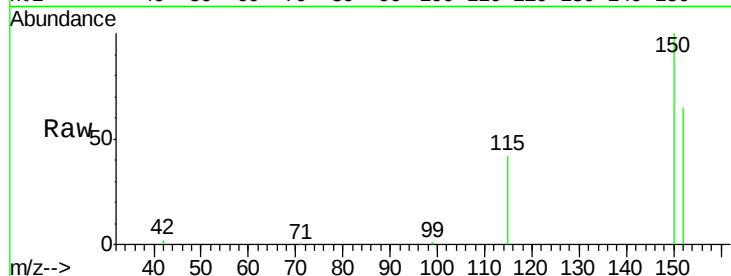
Tgt Ion: 152 Resp: 38598

Ion Ratio Lower Upper

152 100

150 153.6 122.2 183.4

115 65.1 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

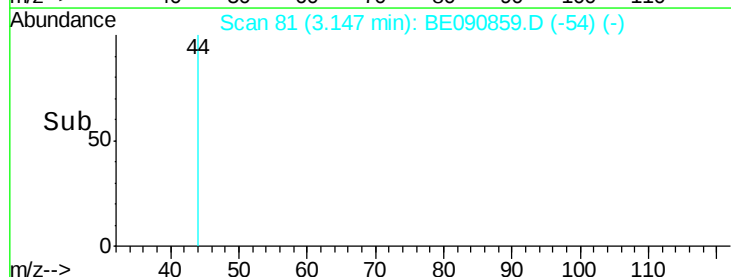
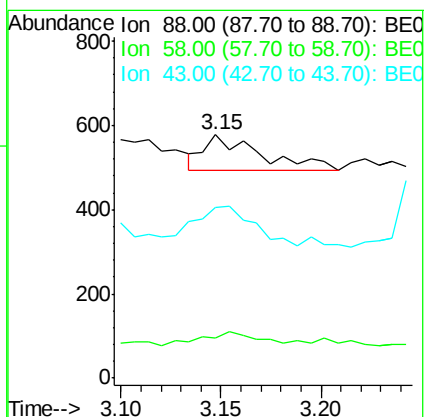
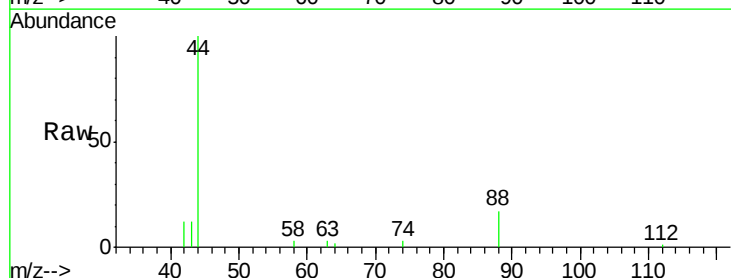
Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

58 41.4 68.4 102.6#

43 122.8 26.9 40.3#



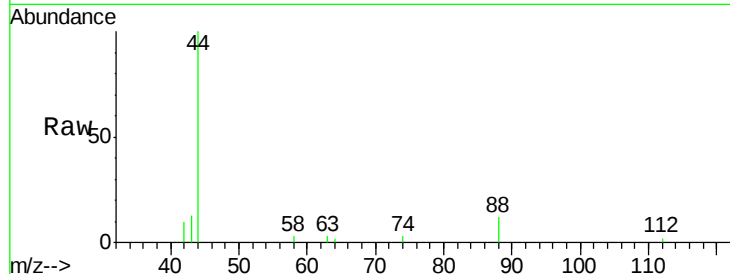


#3

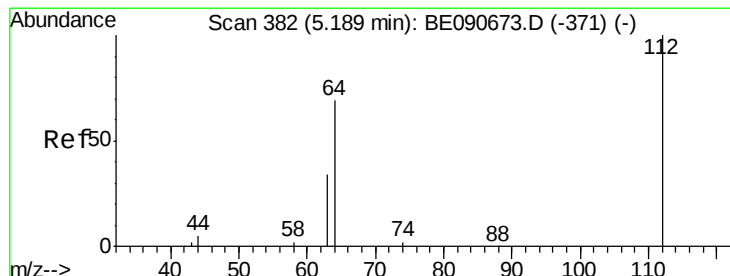
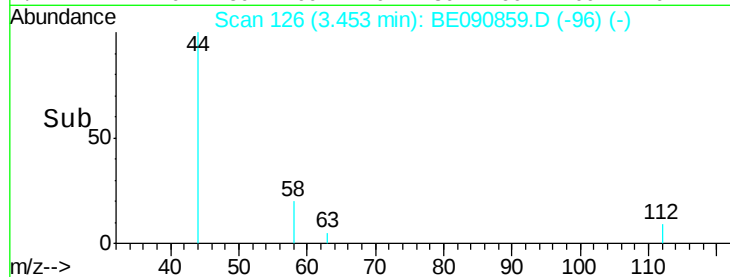
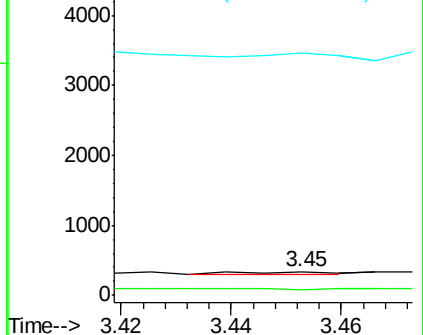
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090859.D
 Acq: 17 Sep 2015 11:02

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-U-M

Tgt Ion: 42 Resp: 32
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 312.5 10.0 15.0#



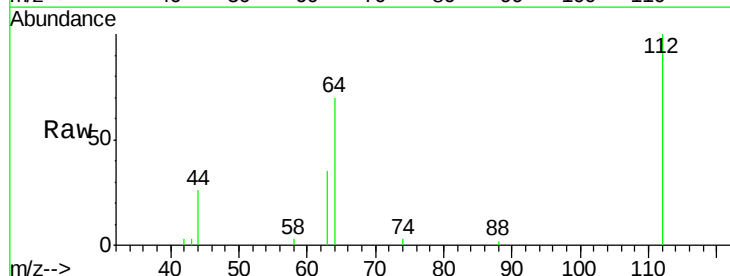
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



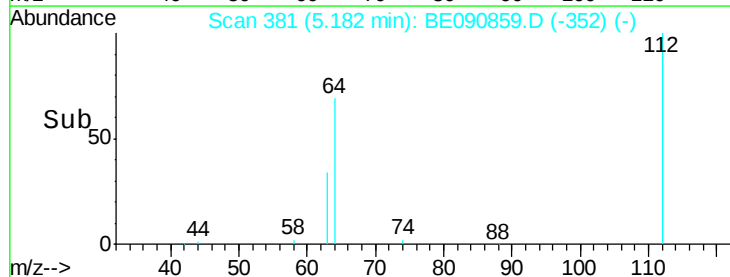
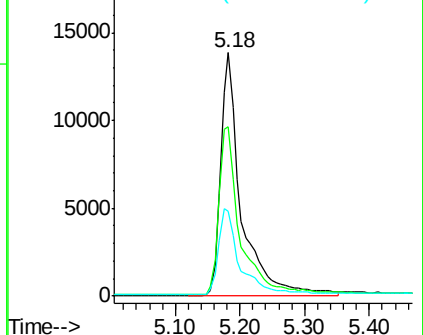
#4

2-Fluorophenol
 Concen: 4.01 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090859.D
 Acq: 17 Sep 2015 11:02

Tgt Ion: 112 Resp: 30093
 Ion Ratio Lower Upper
 112 100
 64 72.9 57.3 85.9
 63 37.0 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: 2.52 ng

RT: 6.75 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

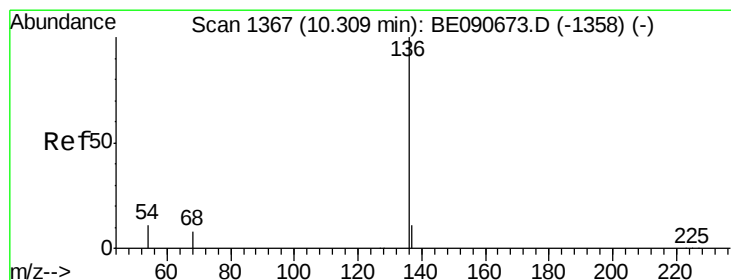
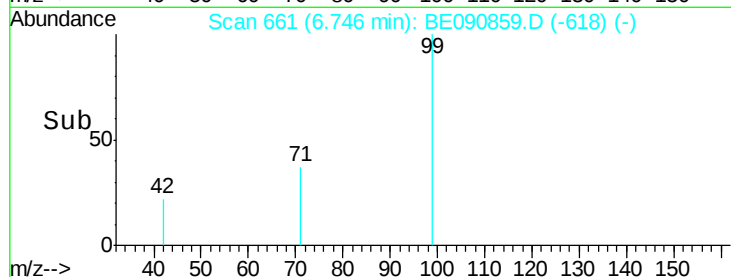
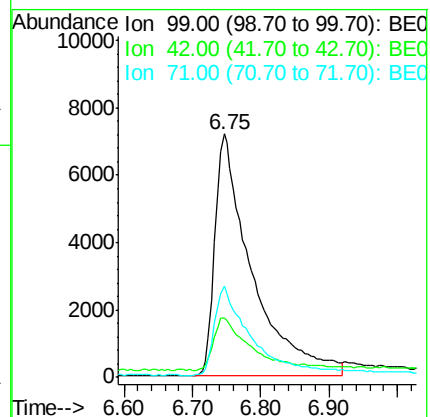
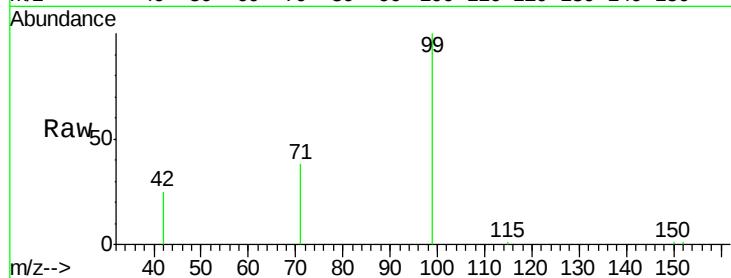
Tgt Ion: 99 Resp: 27117

Ion Ratio Lower Upper

99 100

42 21.3 16.8 25.2

71 36.5 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Tgt Ion: 136 Resp: 180210

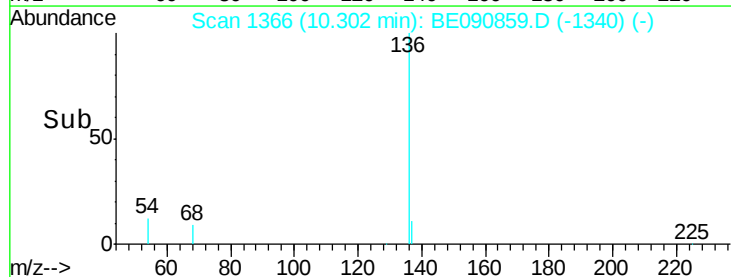
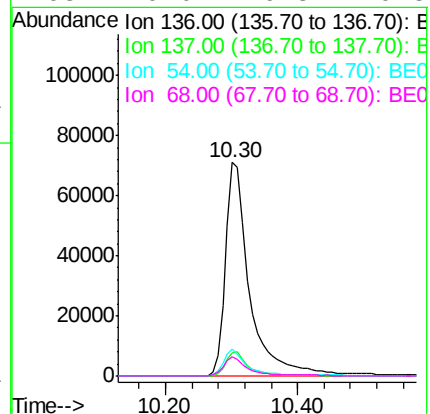
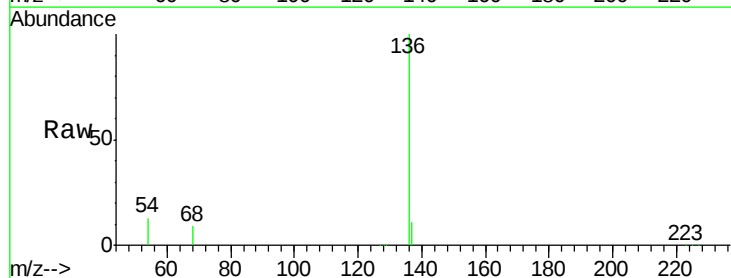
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 12.6 9.0 13.6

68 9.0 6.3 9.5





#7

Nitrobenzene-d5

Concen: 3.98 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

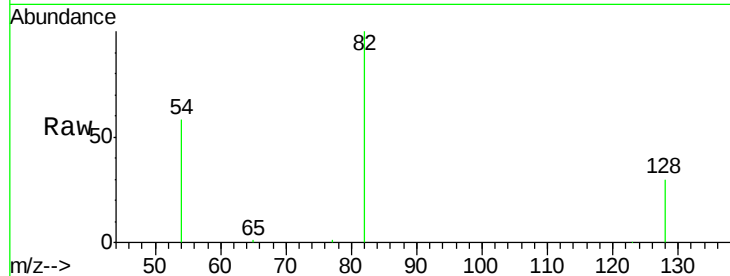
Tgt Ion: 82 Resp: 47426

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

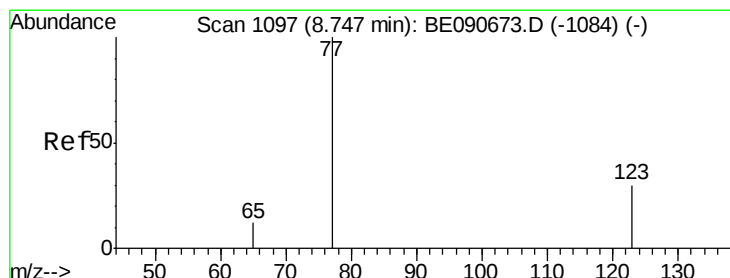
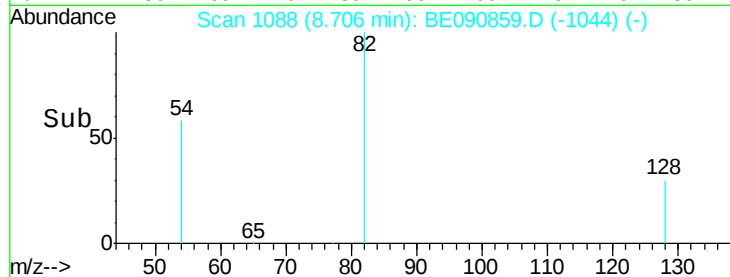
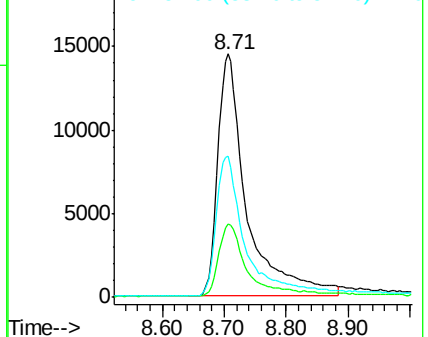
54 57.9 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE090859.D (-1044) (-)

Ion 128.00 (127.70 to 128.70): BE090859.D (-1044) (-)

Ion 54.00 (53.70 to 54.70): BE090859.D (-1044) (-)



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1101

Delta R.T. 0.02 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

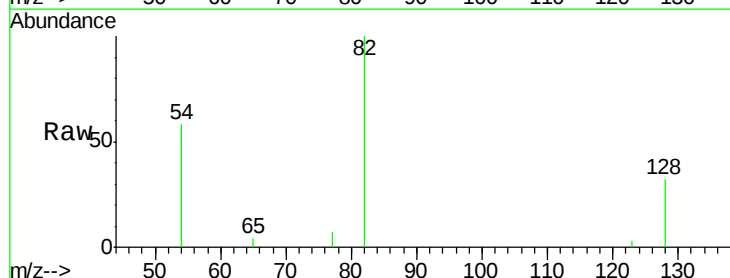
Tgt Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 25.0 25.1 37.7#

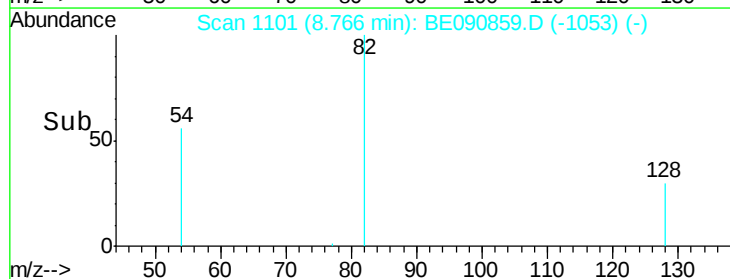
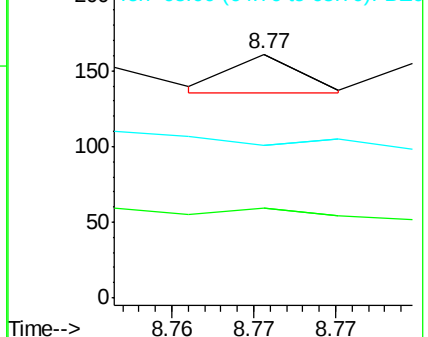
65 0.0 9.9 14.9#

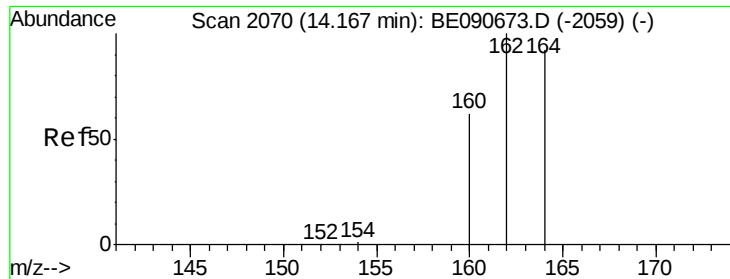


Abundance Ion 77.00 (76.70 to 77.70): BE090859.D (-1053) (-)

Ion 123.00 (122.70 to 123.70): BE090859.D (-1053) (-)

Ion 65.00 (64.70 to 65.70): BE090859.D (-1053) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

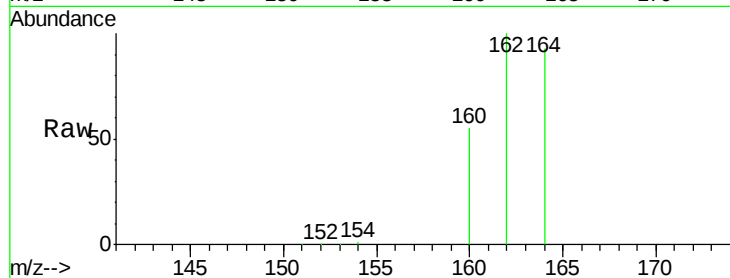
Tgt Ion:164 Resp: 96602

Ion Ratio Lower Upper

164 100

162 107.3 86.8 130.2

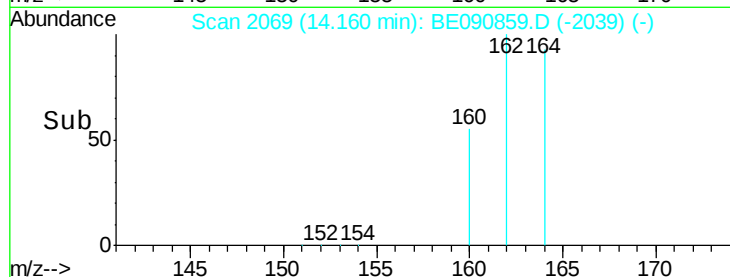
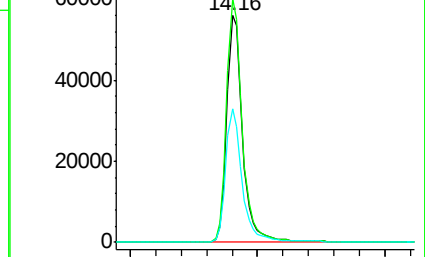
160 59.0 53.9 80.9



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: 8.37 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

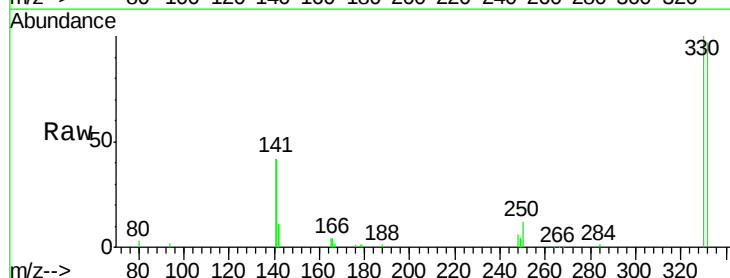
Tgt Ion:330 Resp: 23756

Ion Ratio Lower Upper

330 100

332 96.3 74.9 112.3

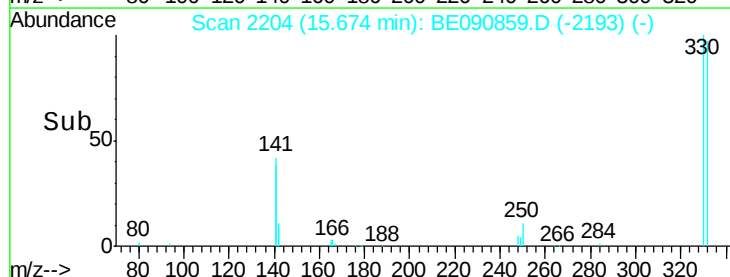
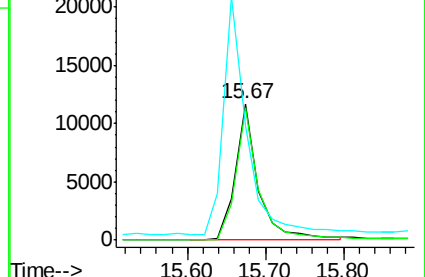
141 180.0 145.2 217.8



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

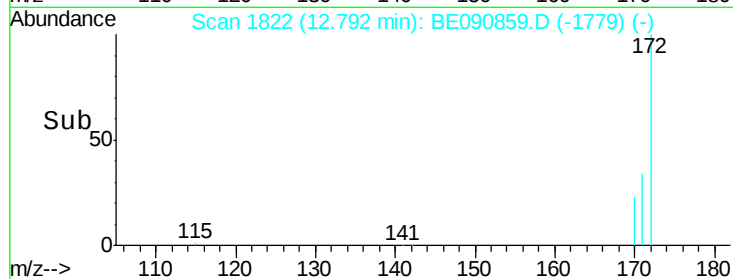
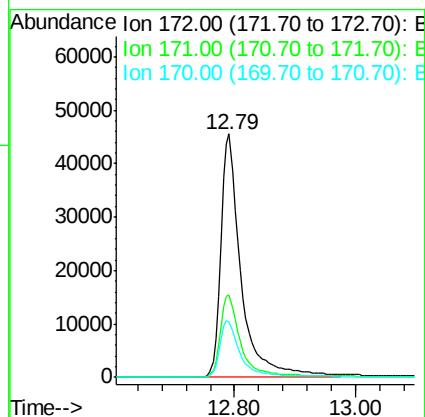
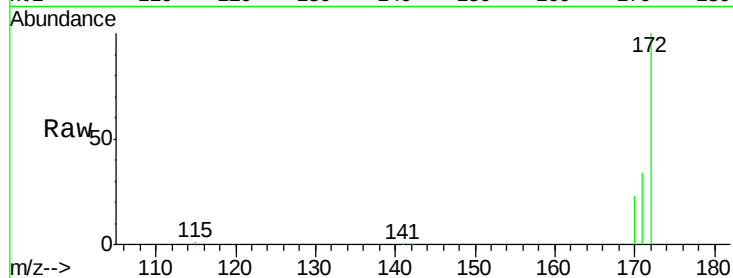




#14
2-Fluorobiphenyl
Concen: 3.94 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090859.D
Acq: 17 Sep 2015 11:02

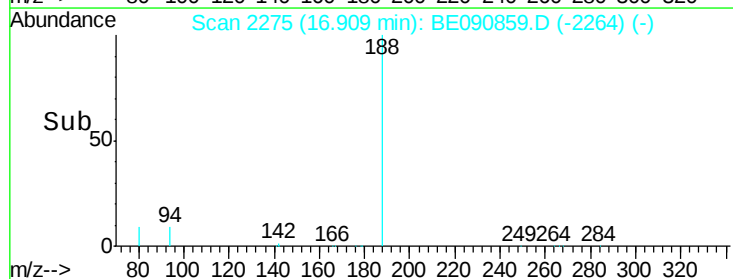
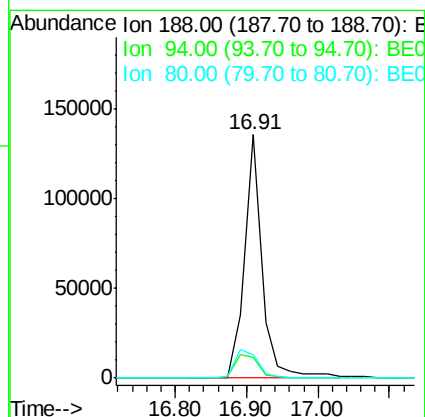
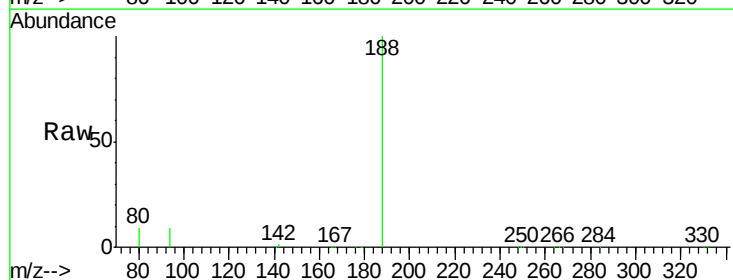
Instrument :
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Tgt Ion:172 Resp: 105516
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.8
170 22.7 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090859.D
Acq: 17 Sep 2015 11:02

Tgt Ion:188 Resp: 229911
Ion Ratio Lower Upper
188 100
94 8.6 10.3 15.5#
80 9.5 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

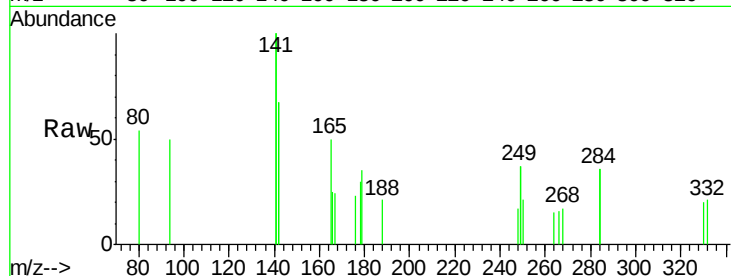
Tgt Ion:284 Resp: 111

Ion Ratio Lower Upper

284 100

142 357.7 35.0 52.4#

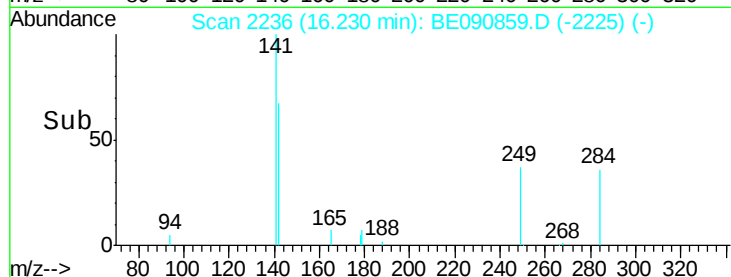
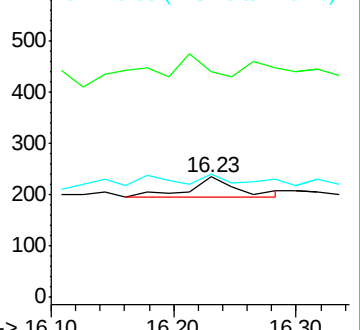
249 29.7 25.5 38.3



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: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

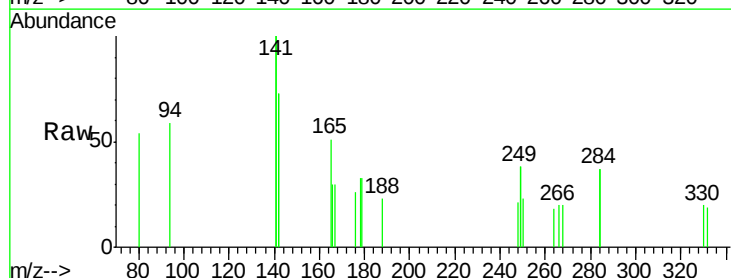
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

268 96.6 49.6 74.4#

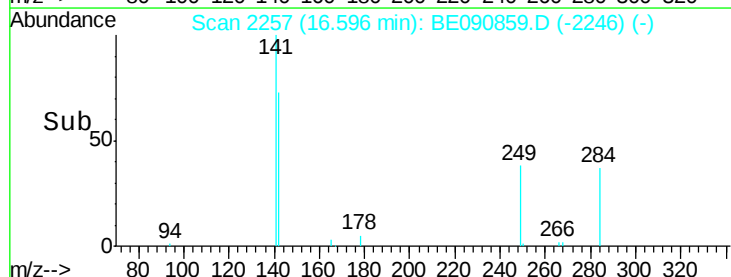
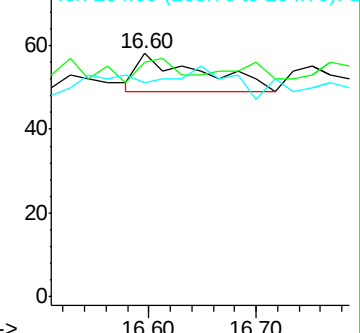
264 87.9 53.9 80.9#



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. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

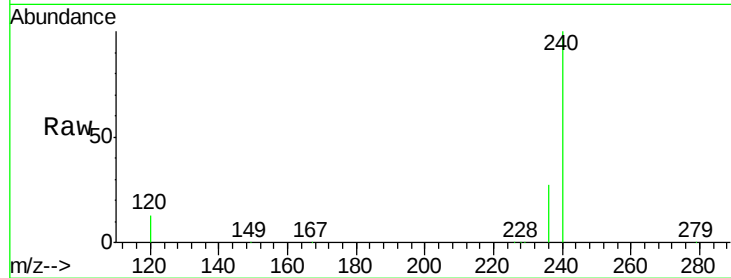
Tgt Ion:240 Resp: 272327

Ion Ratio Lower Upper

240 100

120 12.6 10.1 15.1

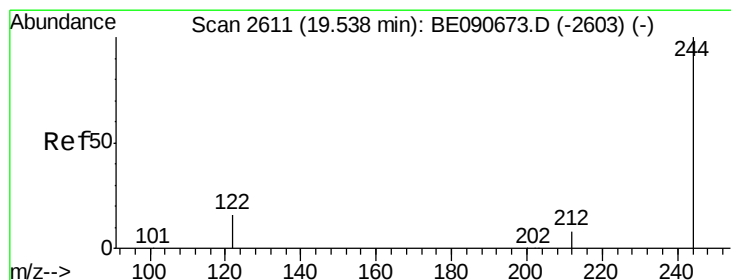
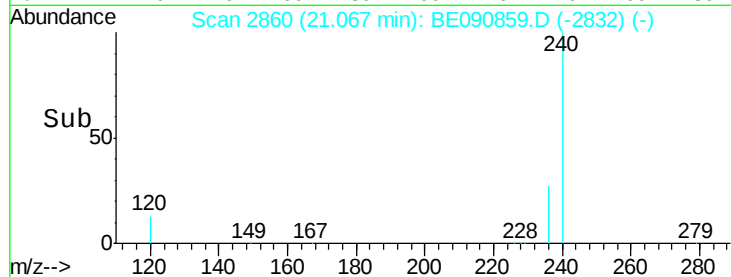
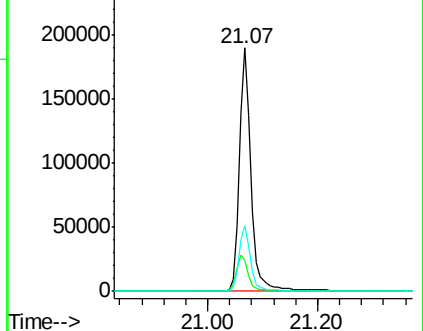
236 27.0 21.9 32.9



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



#27

Terphenyl-d14

Concen: 5.59 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

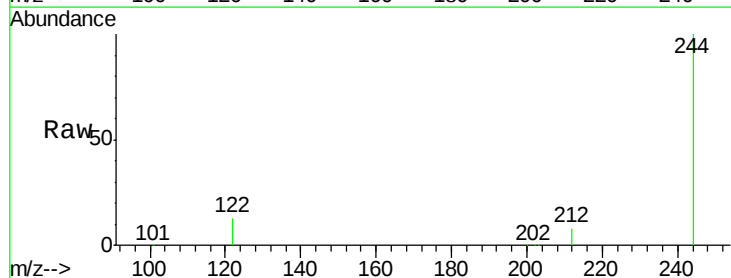
Tgt Ion:244 Resp: 168372

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

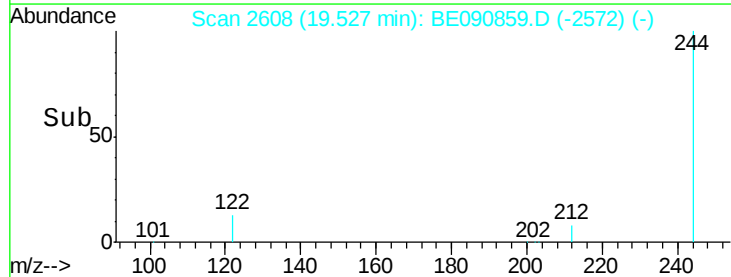
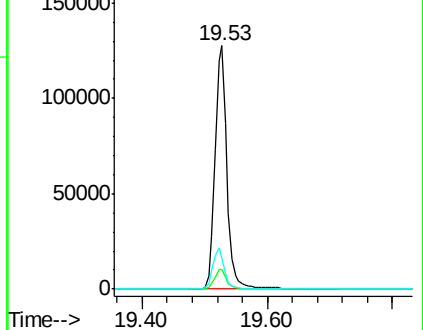
122 12.9 12.9 19.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

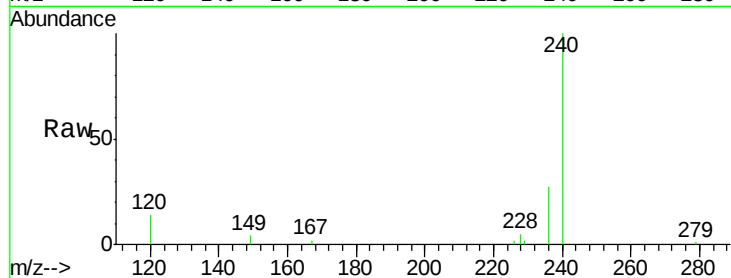
Tgt Ion:228 Resp: 477

Ion Ratio Lower Upper

228 100

226 41.7 24.2 36.4#

229 39.8 15.3 22.9#

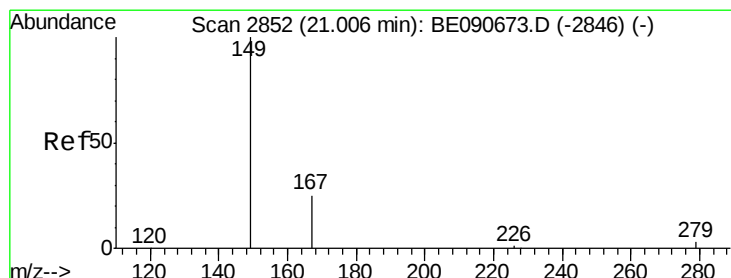
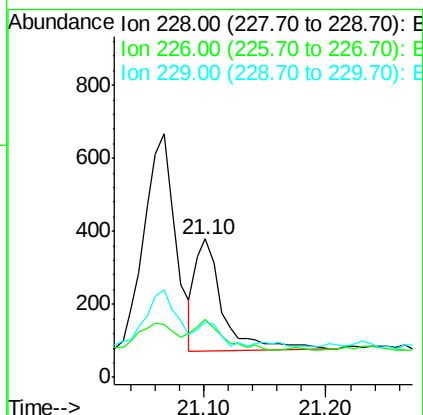
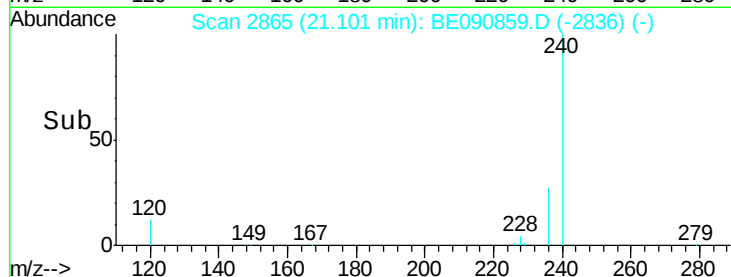


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 20.99 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

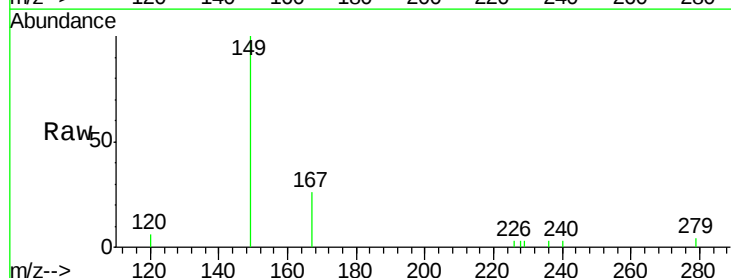
Tgt Ion:149 Resp: 2629

Ion Ratio Lower Upper

149 100

167 25.5 20.1 30.1

279 3.9 2.3 3.5#

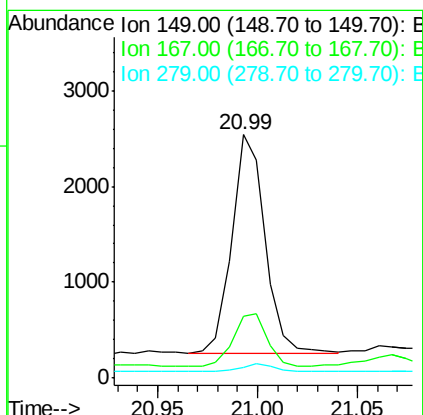
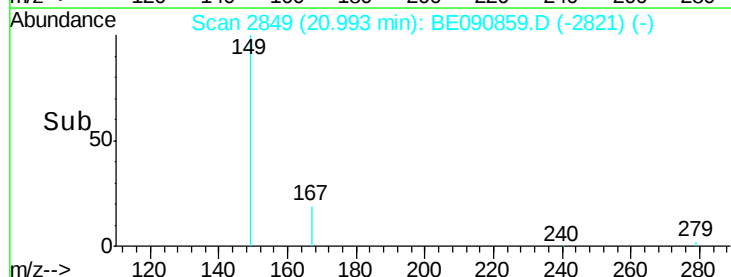


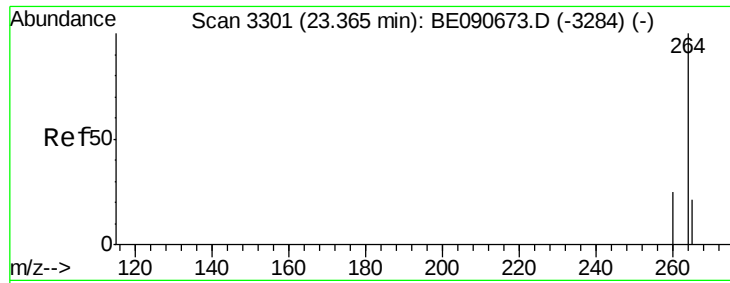
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3296

Delta R.T. -0.02 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-M

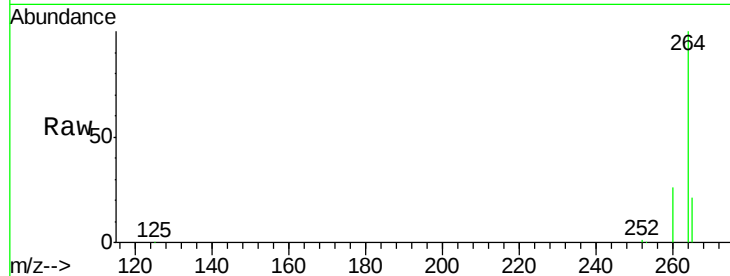
Tgt Ion: 264 Resp: 250827

Ion Ratio Lower Upper

264 100

260 25.7 19.7 29.5

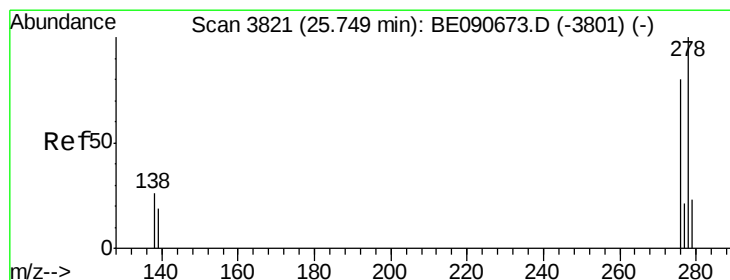
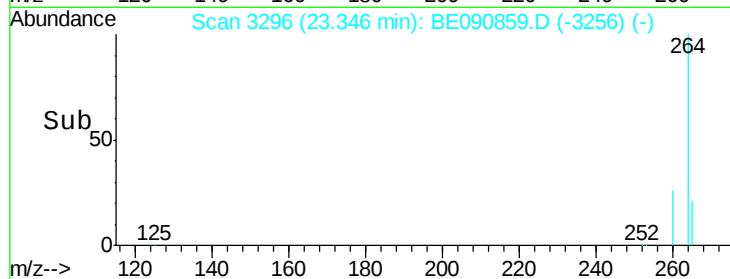
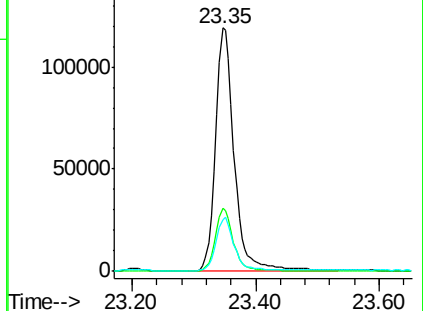
265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.75 min Scan# 3820

Delta R.T. 0.00 min

Lab File: BE090859.D

Acq: 17 Sep 2015 11:02

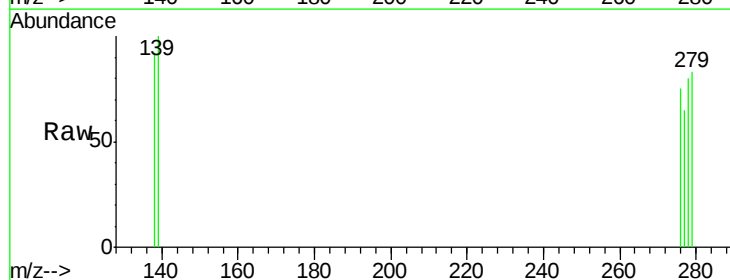
Tgt Ion: 278 Resp: 108

Ion Ratio Lower Upper

278 100

139 125.0 15.4 23.0#

279 103.3 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

