

Data Path : Z:\HPCHEM1\BNA_E\Data\BE091715\
 Data File : BE090868.D
 Acq On : 17 Sep 2015 17:18
 Operator : UM/IZ
 Sample : G3698-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091515-D534-E-U-S

Quant Time: Sep 17 18:33:01 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	30317	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	133520	5.00	ng	0.00
12) Acenaphthene-d10	14.16	164	70971	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	180949	5.00	ng	0.00
25) Chrysene-d12	21.07	240	229226	5.00	ng	0.00
32) Perylene-d12	23.35	264	208077	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	21743	3.69	ng	0.00
5) Phenol-d6	6.75	99	16503	1.95	ng	0.00
7) Nitrobenzene-d5	8.71	82	34193	3.88	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	19186	9.19	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	77324	3.93	ng	0.00
27) Terphenyl-d14	19.52	244	151470	5.97	ng	-0.02

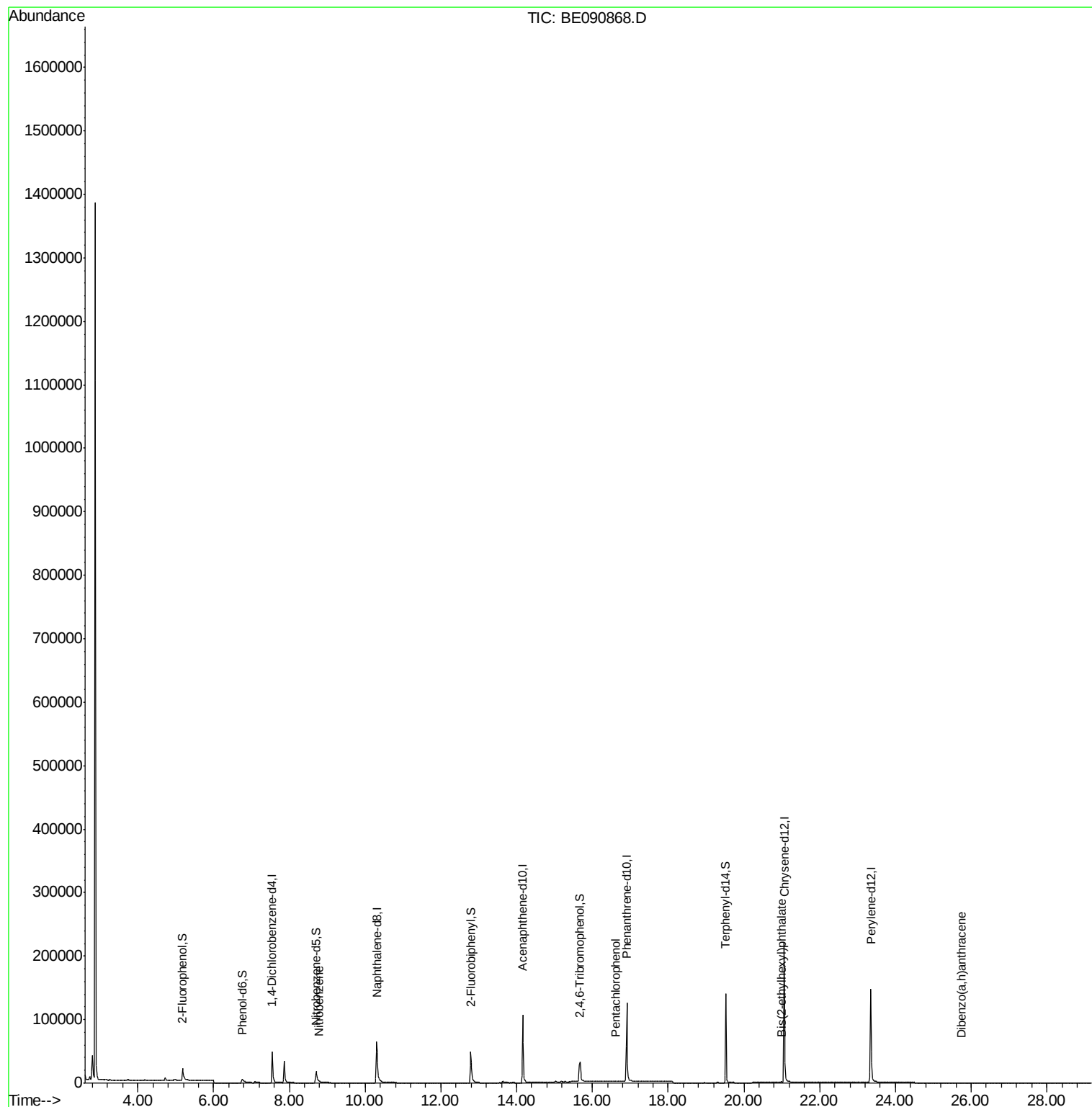
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	61	Below Cal	#	16
3) n-Nitrosodimethylamine	3.43	42	108	Below Cal	#	2
8) Nitrobenzene	8.78	77	14	0.11 ng	#	1
20) Hexachlorobenzene	16.23	284	50	Below Cal	#	1
21) Pentachlorophenol	16.61	266	24	0.47 ng	#	64
29) Chrysene	21.10	228	536	Below Cal	#	72
30) Bis(2-ethylhexyl)phthalate	21.00	149	1530	0.18 ng	#	99
36) Dibenzo(a,h)anthracene	25.74	278	90	0.14 ng	#	1

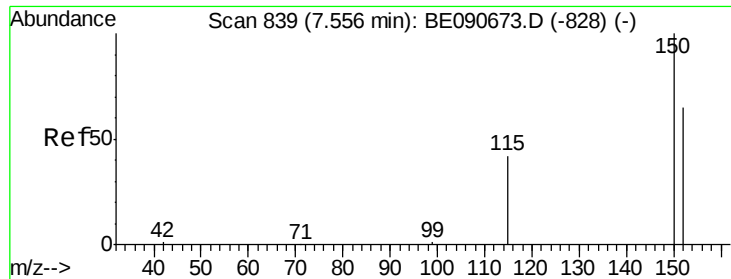
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090868.D

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Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-S

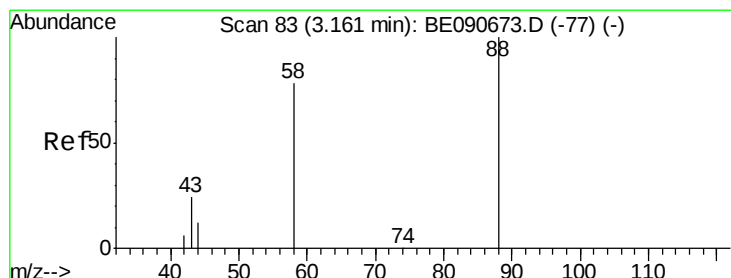
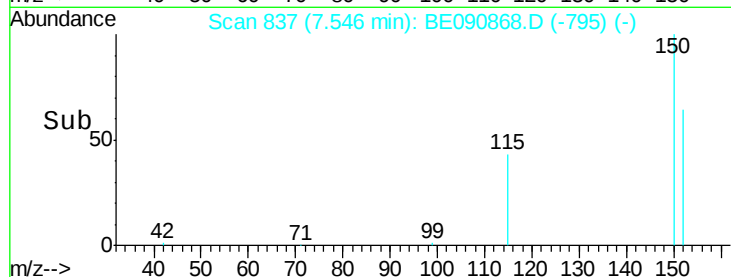
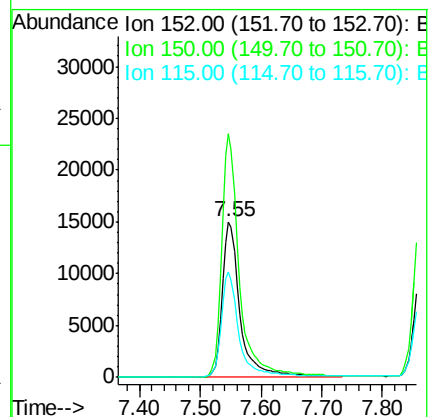
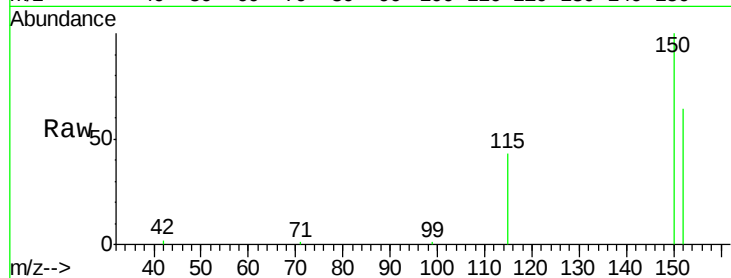
Tgt Ion:152 Resp: 30317

Ion Ratio Lower Upper

152 100

150 156.3 122.2 183.4

115 67.9 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.10 min Scan# 74

Delta R.T. -0.06 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

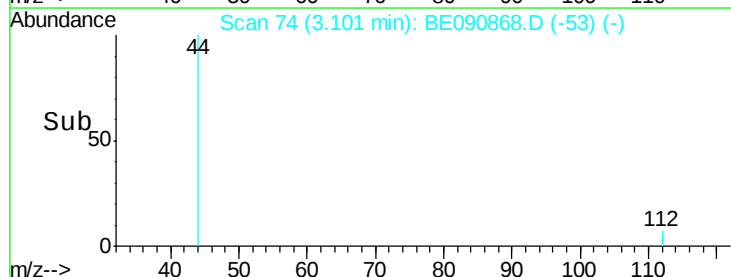
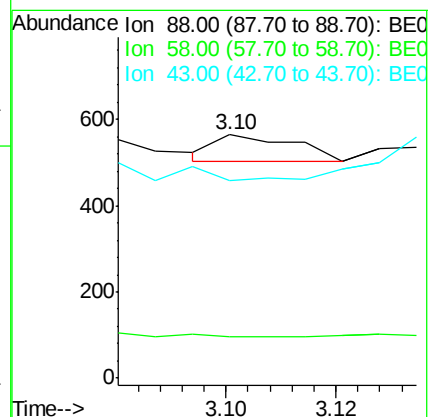
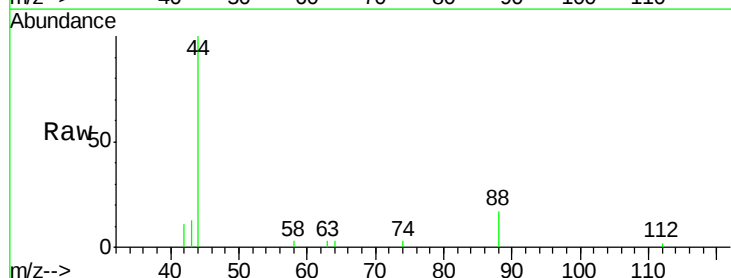
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



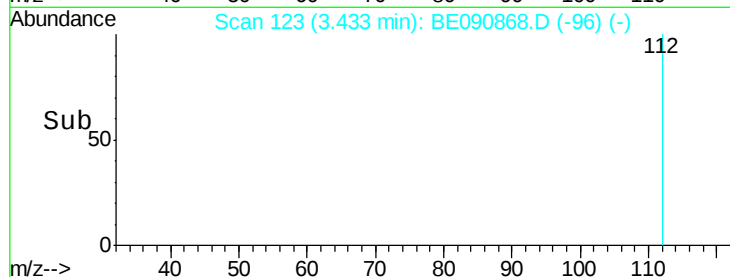
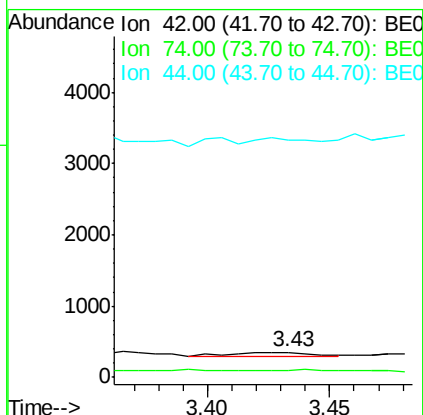
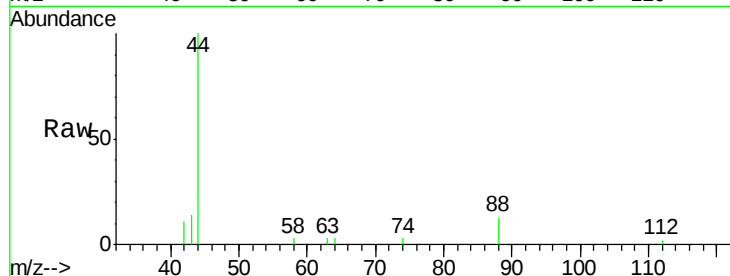


#3

n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.43 min Scan# 123
Delta R.T. -0.02 min
Lab File: BE090868.D
Acq: 17 Sep 2015 17:18

Instrument :
BNA_E
ClientSampleId :
091515-D534-E-U-S

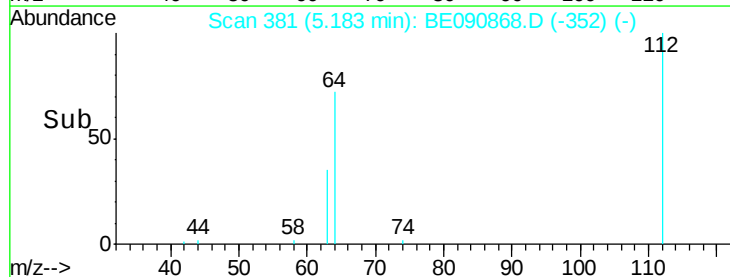
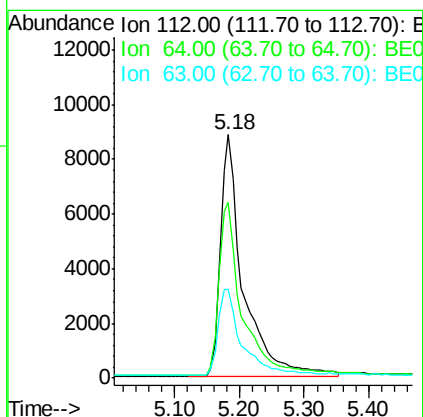
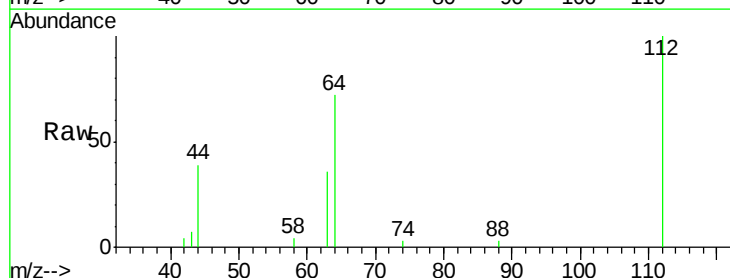
Tgt Ion: 42 Resp: 108
Ion Ratio Lower Upper
42 100
74 28.7 83.7 125.5#
44 129.6 10.0 15.0#



#4

2-Fluorophenol
Concen: 3.69 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.01 min
Lab File: BE090868.D
Acq: 17 Sep 2015 17:18

Tgt Ion: 112 Resp: 21743
Ion Ratio Lower Upper
112 100
64 72.6 57.3 85.9
63 37.0 29.2 43.8





#5

Phenol-d6

Concen: 1.95 ng

RT: 6.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-S

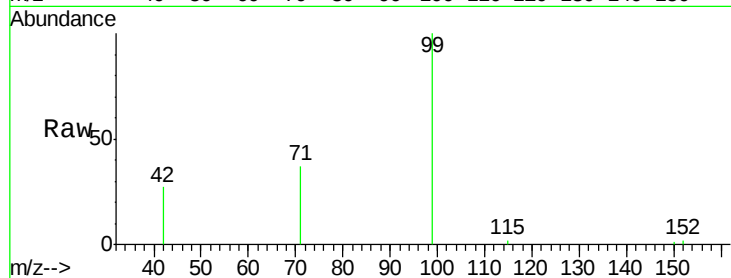
Tgt Ion: 99 Resp: 16503

Ion Ratio Lower Upper

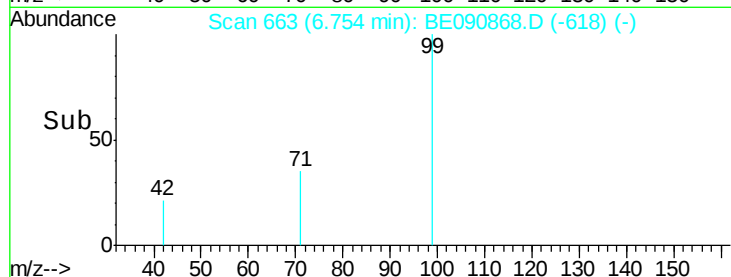
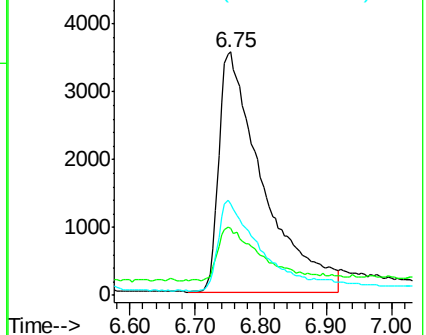
99 100

42 21.5 16.8 25.2

71 35.7 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: BE090868.D

Acq: 17 Sep 2015 17:18

Tgt Ion: 136 Resp: 133520

Ion Ratio Lower Upper

136 100

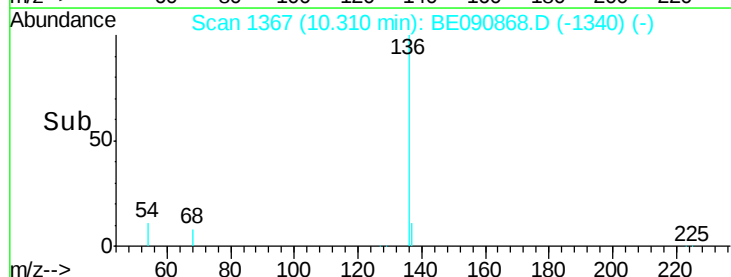
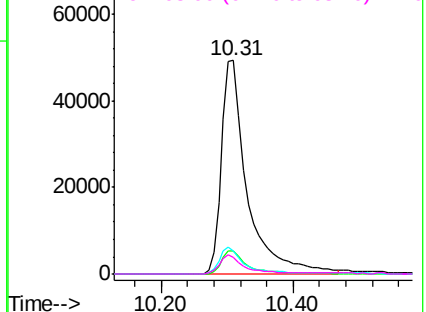
137 10.9 8.7 13.1

54 11.0 9.0 13.6

68 7.8 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: 3.88 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-S

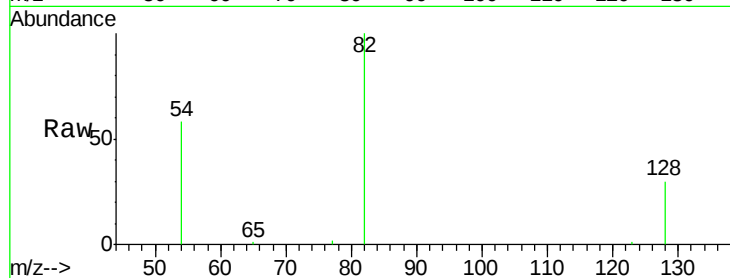
Tgt Ion: 82 Resp: 34193

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.4

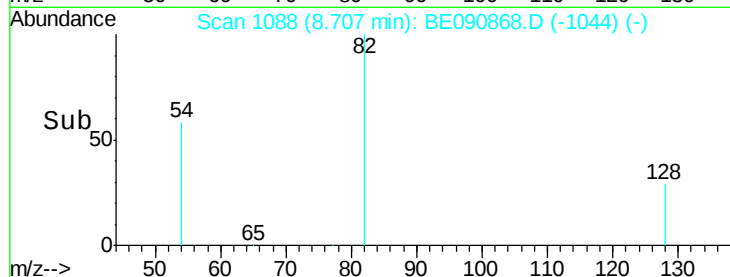
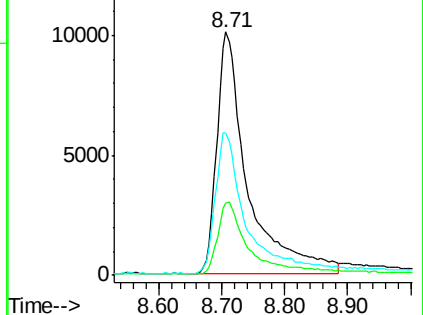
54 58.4 46.3 69.5



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: BE090868.D

Acq: 17 Sep 2015 17:18

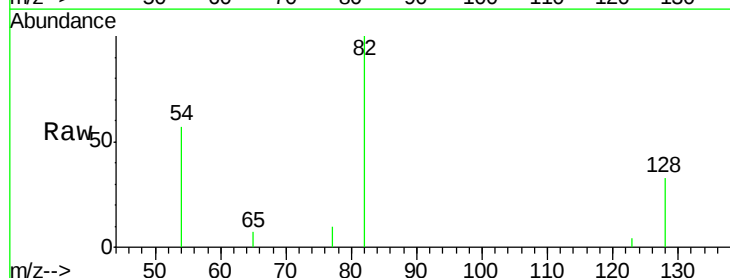
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

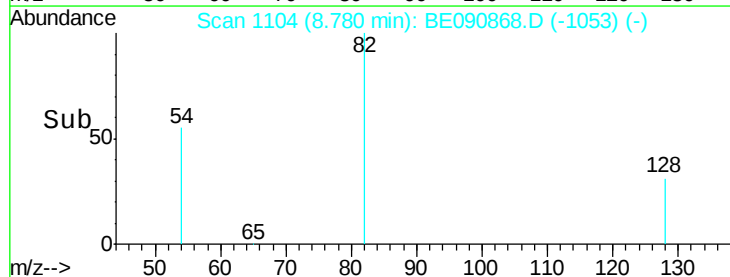
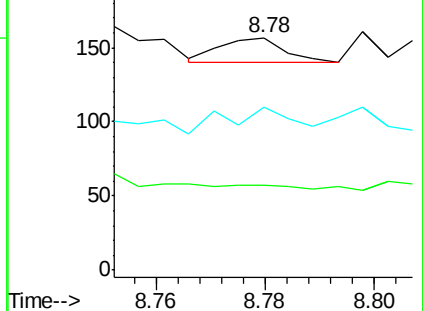
65 114.3 9.9 14.9#

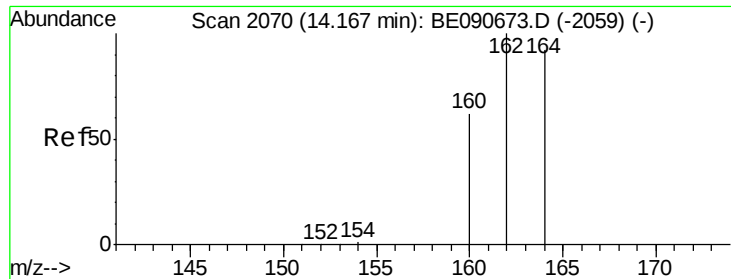


Abundance Ion 77.00 (76.70 to 77.70): BE0

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: 14.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

Instrument :

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ClientSampleId :

091515-D534-E-U-S

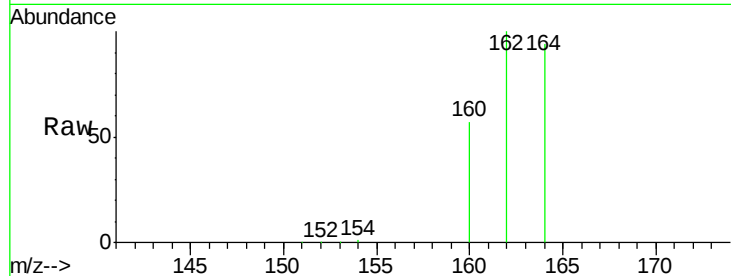
Tgt Ion:164 Resp: 70971

Ion Ratio Lower Upper

164 100

162 106.0 86.8 130.2

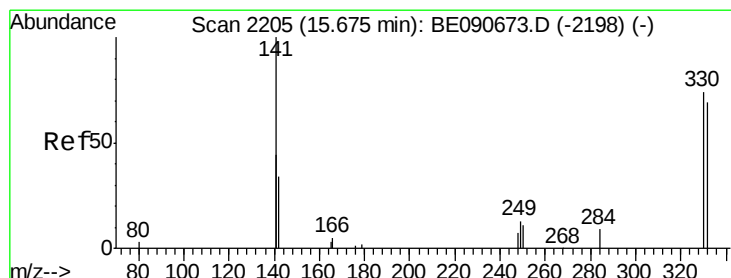
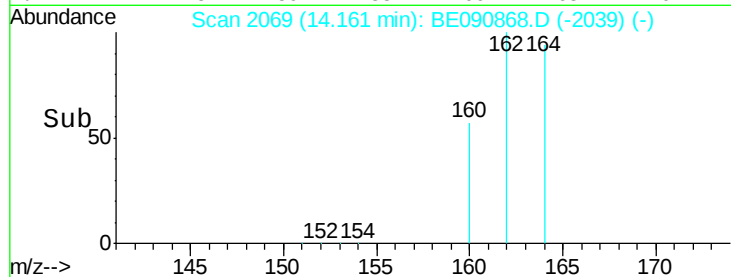
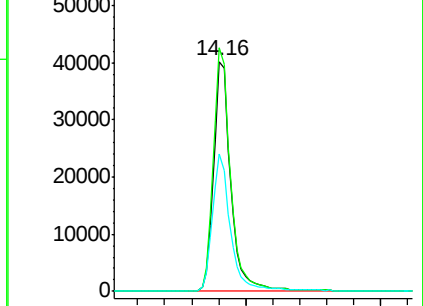
160 60.0 53.9 80.9



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: 9.19 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

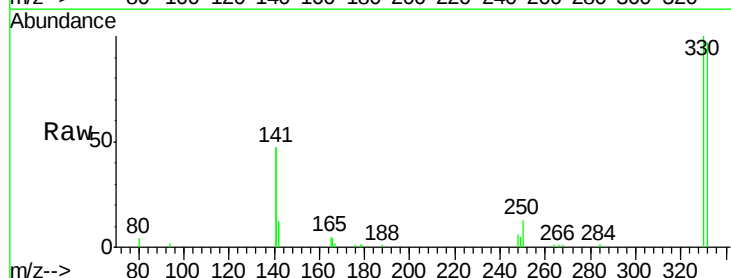
Tgt Ion:330 Resp: 19186

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

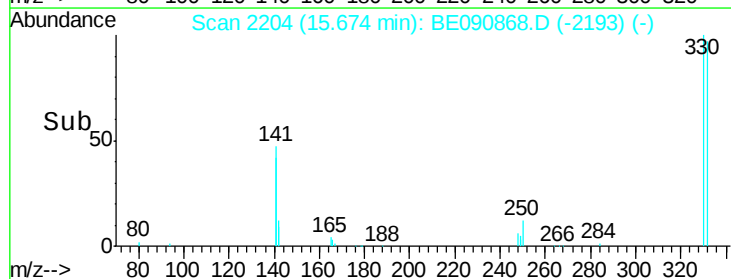
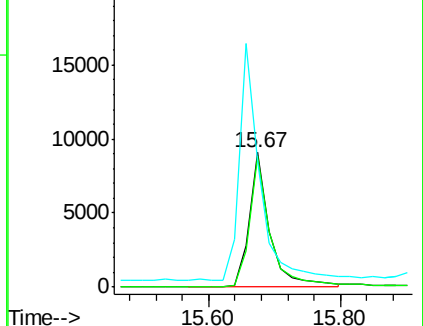
141 180.3 145.2 217.8

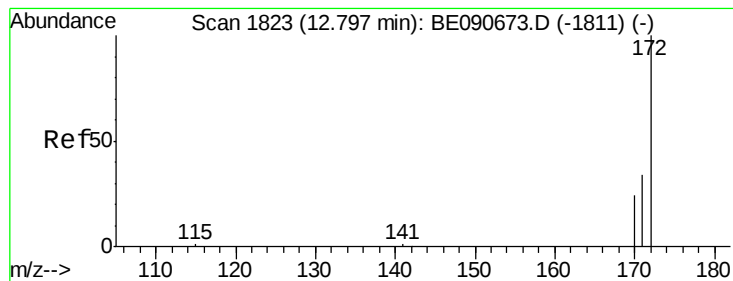


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.93 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

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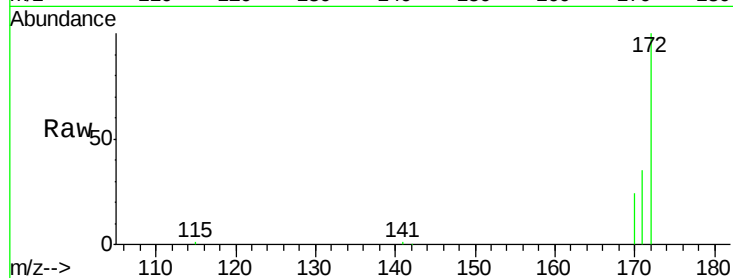
Tgt Ion:172 Resp: 77324

Ion Ratio Lower Upper

172 100

171 35.5 27.8 41.8

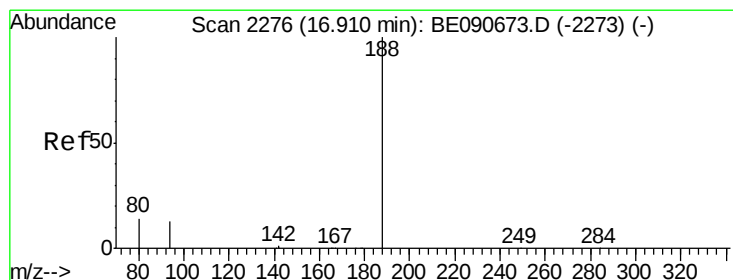
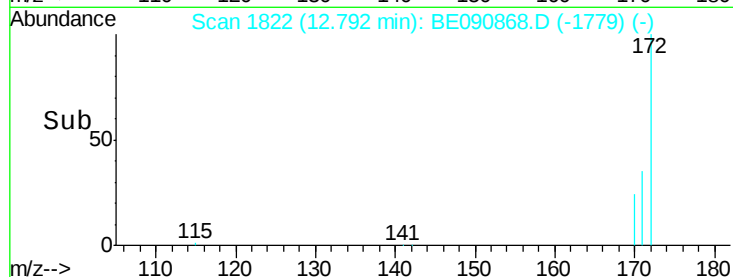
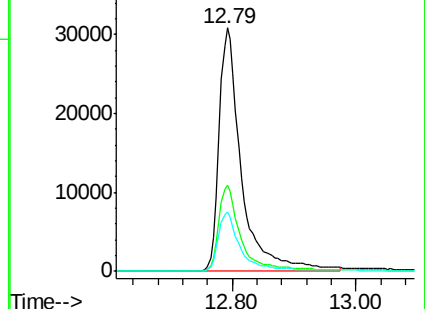
170 24.3 19.8 29.6



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# 2275

Delta R.T. -0.00 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

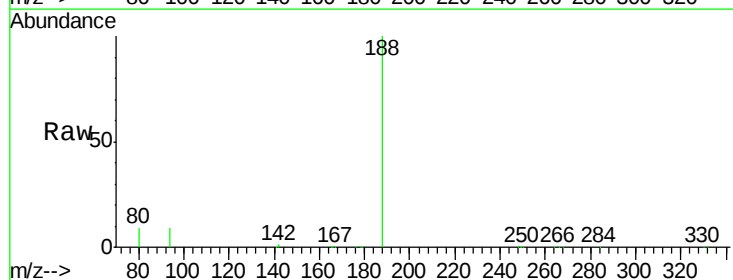
Tgt Ion:188 Resp: 180949

Ion Ratio Lower Upper

188 100

94 8.6 10.3 15.5#

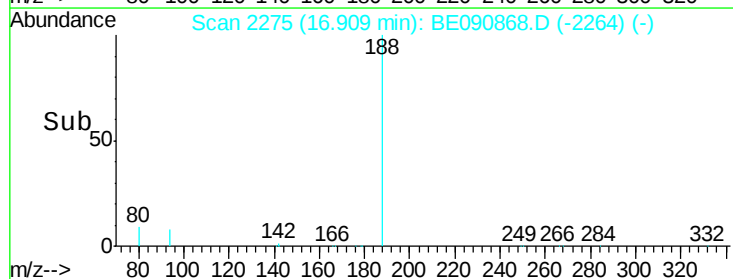
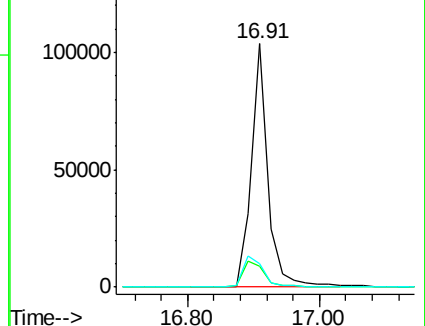
80 9.4 11.0 16.6#

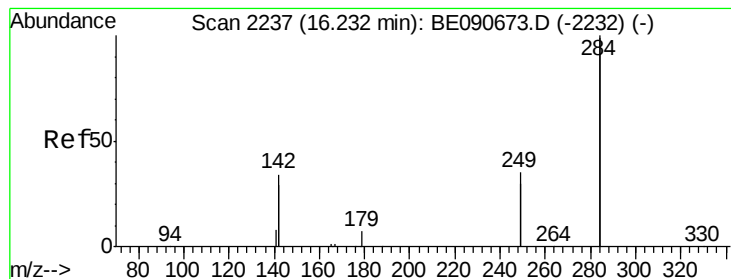


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090868.D

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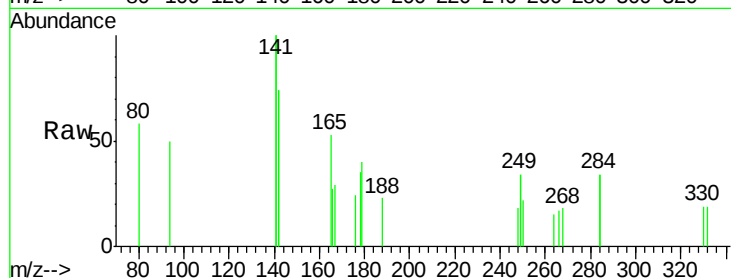
Tgt Ion:284 Resp: 50

Ion Ratio Lower Upper

284 100

142 518.0 35.0 52.4#

249 92.0 25.5 38.3#

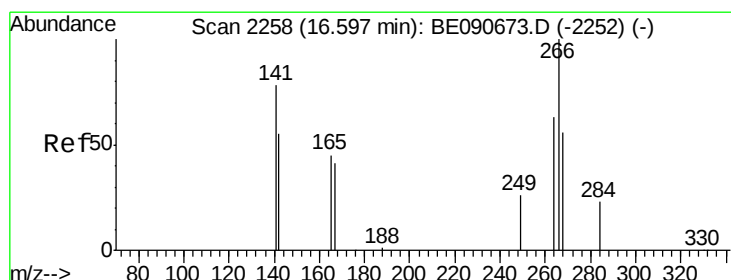
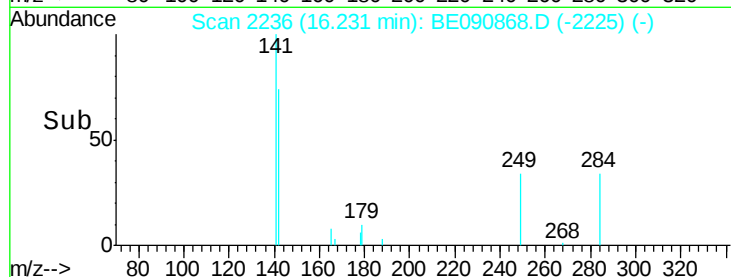


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time--> 16.15 16.20 16.25



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

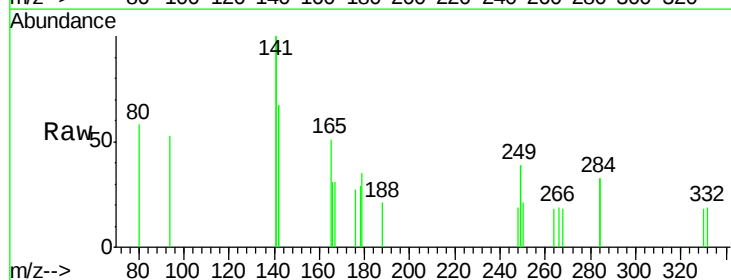
Tgt Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

268 94.7 49.6 74.4#

264 91.2 53.9 80.9#

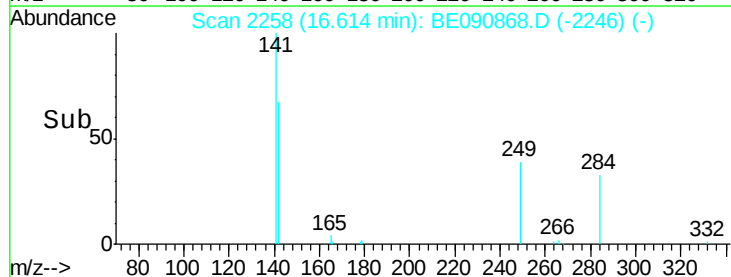


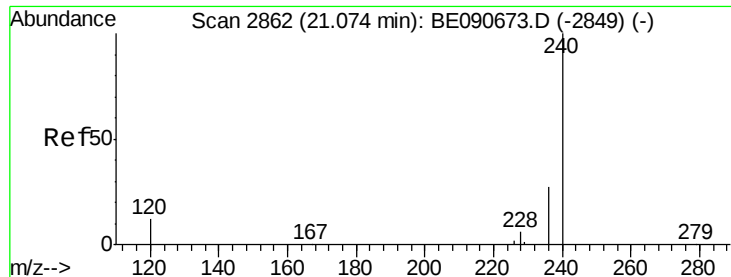
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time--> 16.50 16.60





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090868.D

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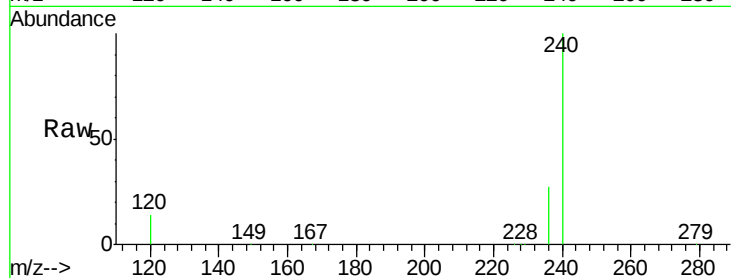
Tgt Ion:240 Resp: 229226

Ion Ratio Lower Upper

240 100

120 14.4 10.1 15.1

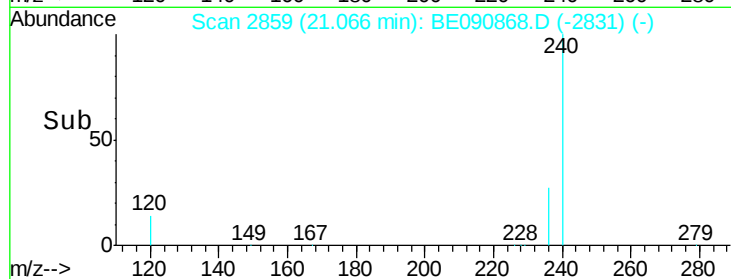
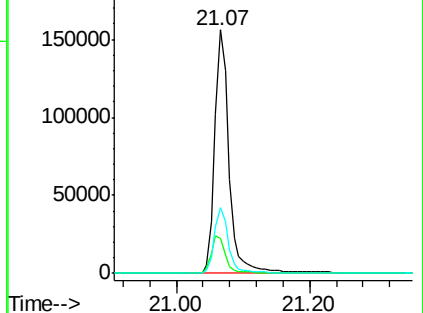
236 27.2 21.9 32.9



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: 5.97 ng

RT: 19.52 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

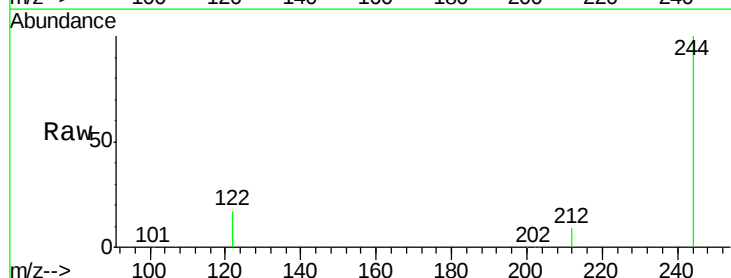
Tgt Ion:244 Resp: 151470

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

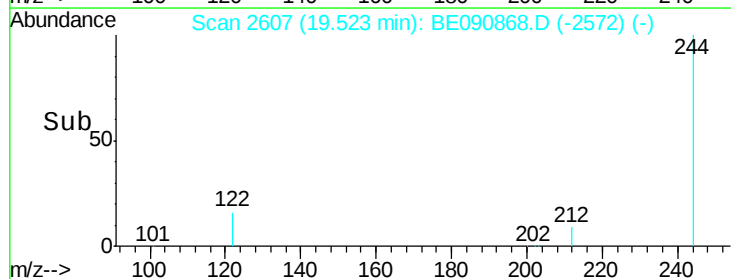
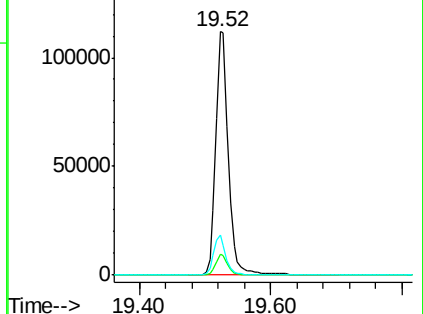
122 16.6 12.9 19.3

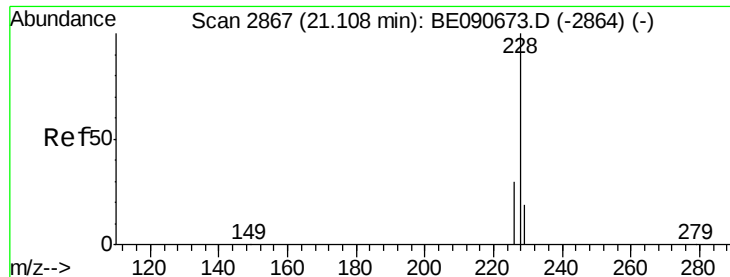


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2864

Delta R.T. -0.01 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-S

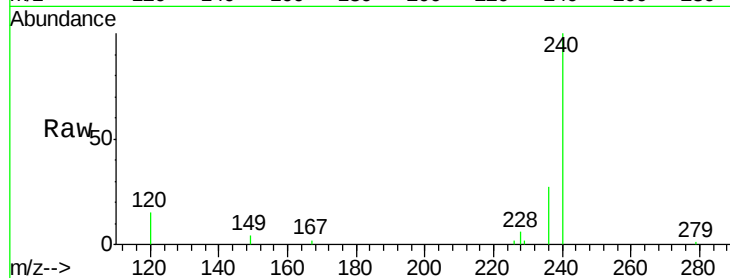
Tgt Ion:228 Resp: 536

Ion Ratio Lower Upper

228 100

226 40.0 24.2 36.4#

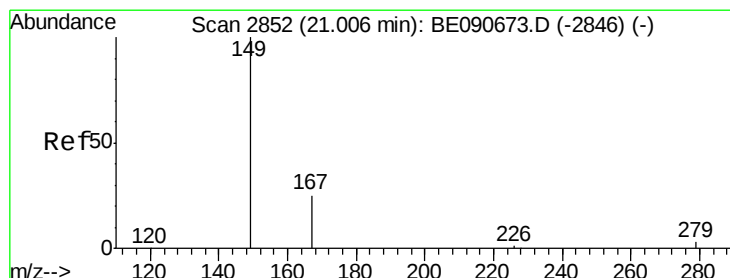
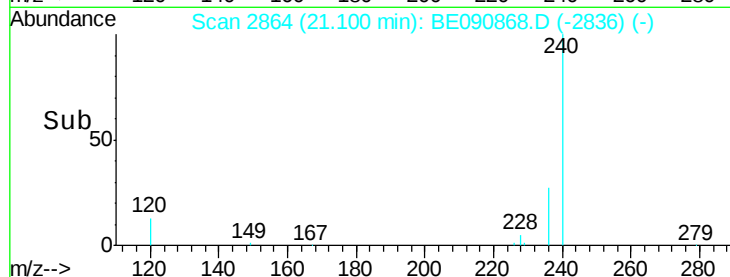
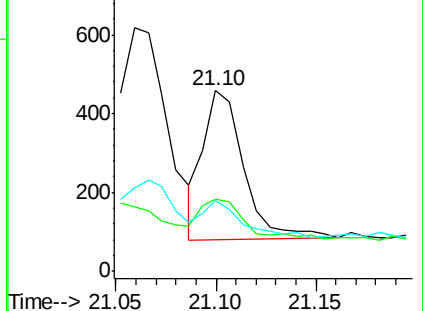
229 39.1 15.3 22.9#



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: 0.18 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

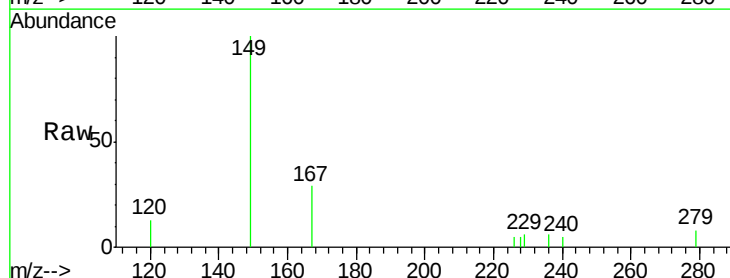
Tgt Ion:149 Resp: 1530

Ion Ratio Lower Upper

149 100

167 24.9 20.1 30.1

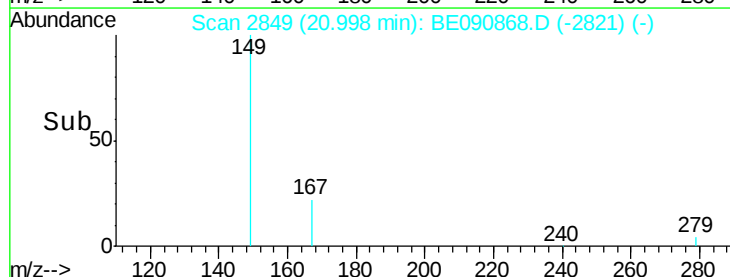
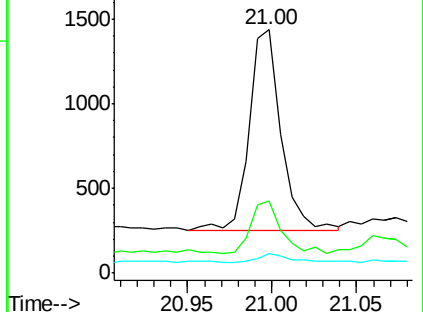
279 4.7 2.3 3.5#

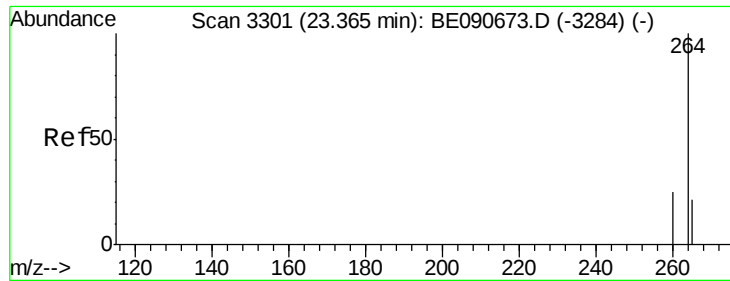


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3297

Delta R.T. -0.01 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

Instrument :

BNA_E

ClientSampleId :

091515-D534-E-U-S

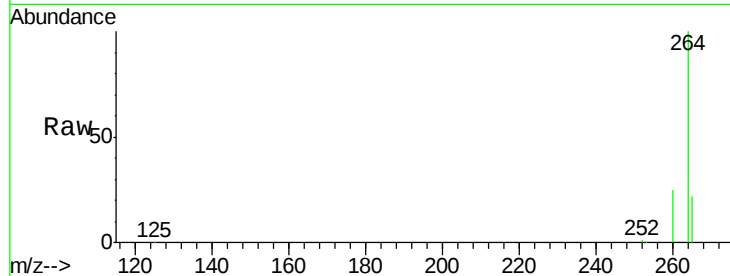
Tgt Ion:264 Resp: 208077

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

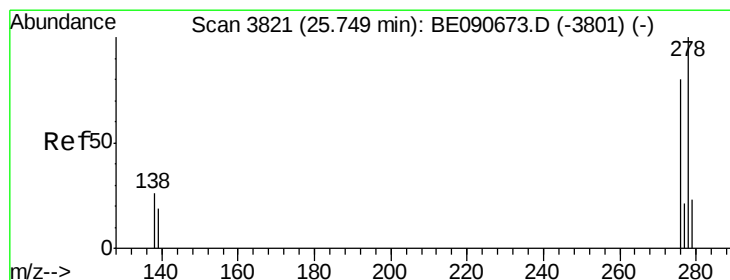
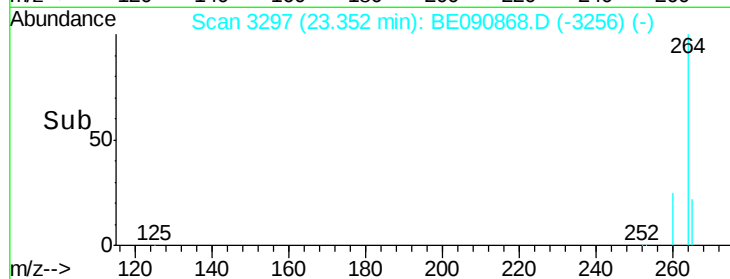
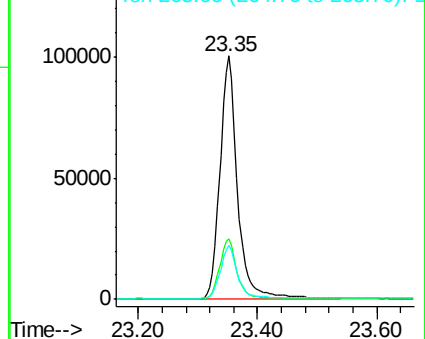
265 22.1 17.5 26.3



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: 25.74 min Scan# 3819

Delta R.T. -0.00 min

Lab File: BE090868.D

Acq: 17 Sep 2015 17:18

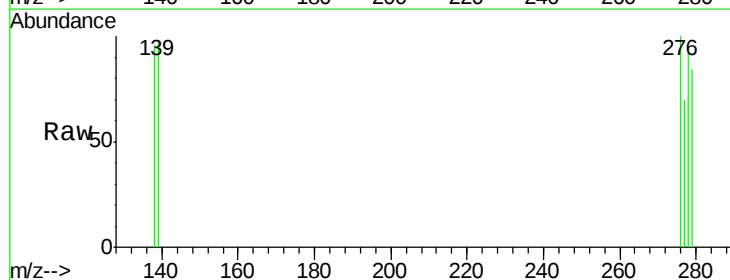
Tgt Ion:278 Resp: 90

Ion Ratio Lower Upper

278 100

139 104.8 15.4 23.0#

279 90.4 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

