

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090822.D
 Acq On : 15 Sep 2015 5:19
 Operator : UM/IZ
 Sample : G3658-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-S

Quant Time: Sep 15 07:17:19 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	30518	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	130369	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	68357	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	184783	5.00	ng	0.00
25) Chrysene-d12	21.07	240	244952	5.00	ng	0.00
32) Perylene-d12	23.35	264	232094	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	20958	3.53	ng	0.00
5) Phenol-d6	6.75	99	16071	1.89	ng	0.00
7) Nitrobenzene-d5	8.71	82	36162	4.20	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	16142	8.04	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	81348	4.30	ng	0.00
27) Terphenyl-d14	19.53	244	155862	5.75	ng	-0.01

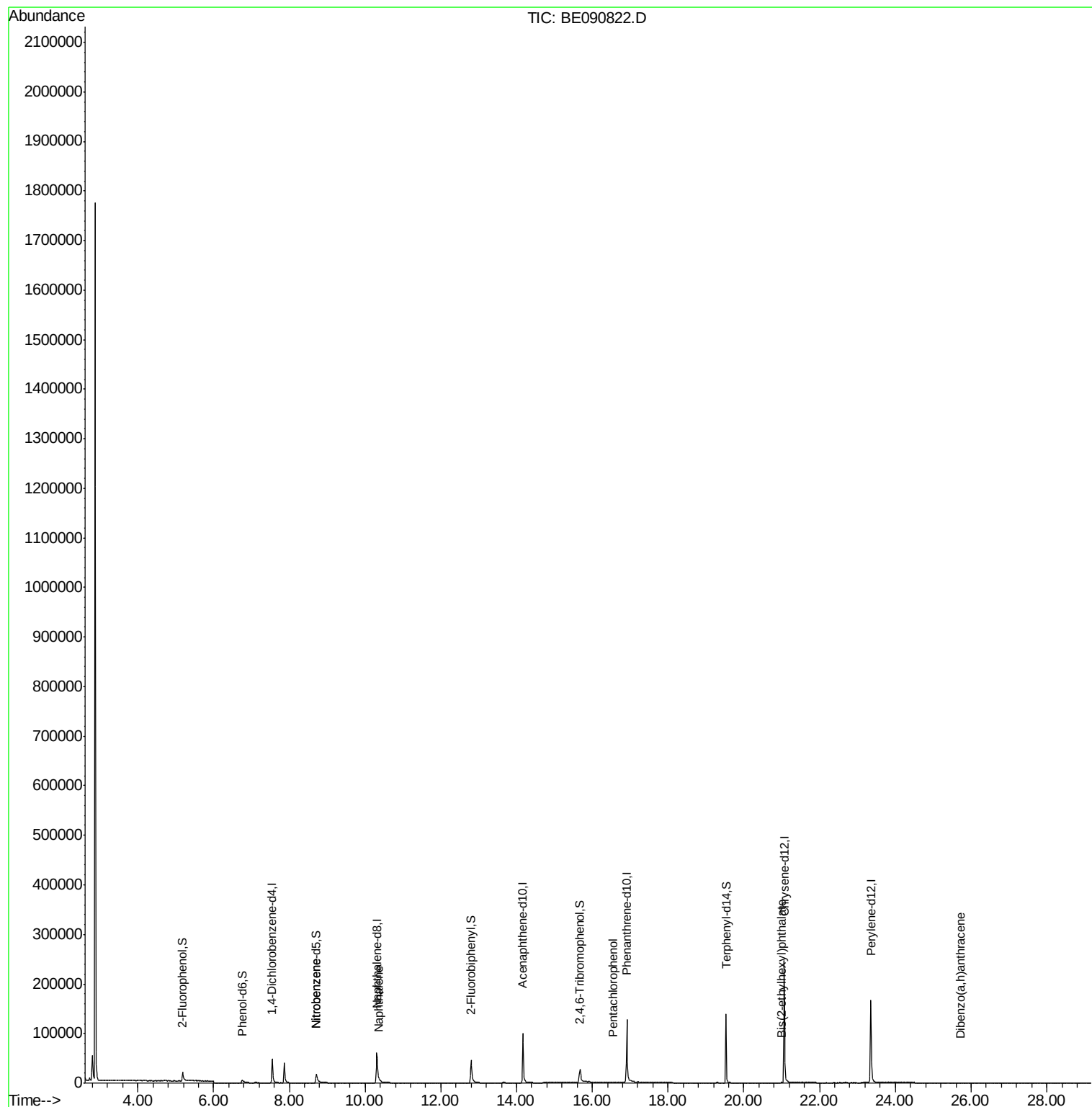
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	103	Below Cal	#	16
3) n-Nitrosodimethylamine	3.45	42	30	Below Cal	#	1
8) Nitrobenzene	8.71	77	83	0.12	ng	49
9) Naphthalene	10.36	128	962	0.03	ng	69
20) Hexachlorobenzene	16.23	284	63	Below Cal	#	1
21) Pentachlorophenol	16.54	266	16	0.47	ng	69
29) Chrysene	21.07	228	1018	Below Cal	#	75
30) Bis(2-ethylhexyl)phthalate	21.00	149	698	0.11	ng	99
36) Dibenzo(a,h)anthracene	25.72	278	14	0.14	ng	1

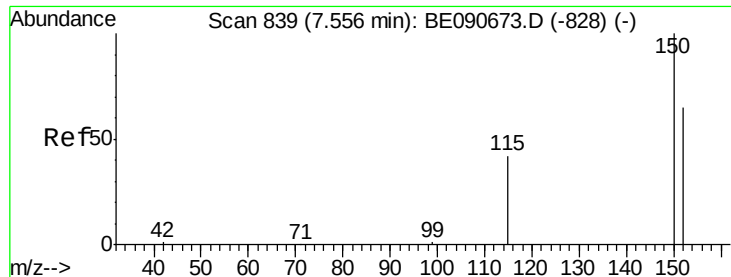
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 15 07:17:19 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
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QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

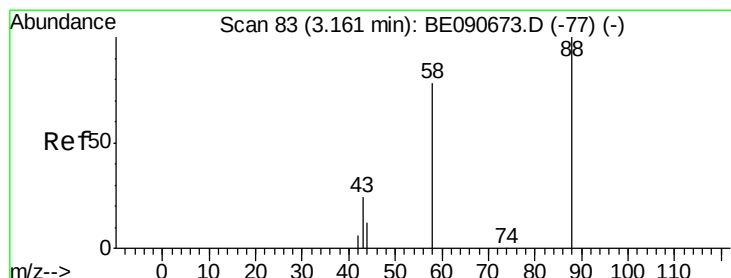
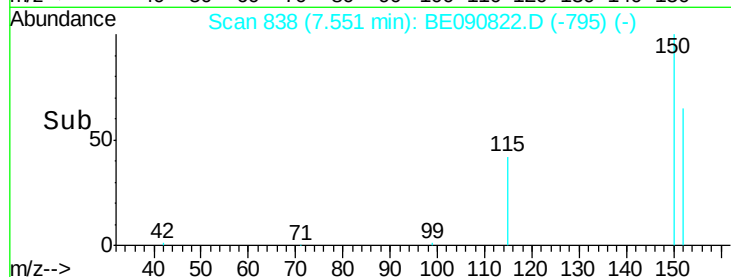
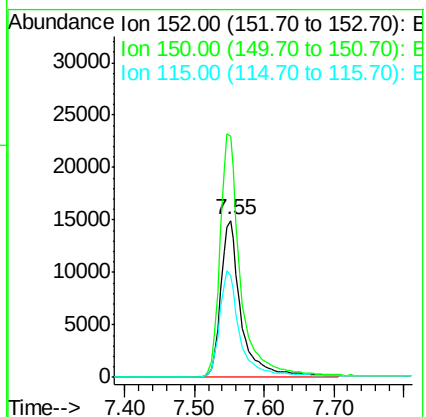
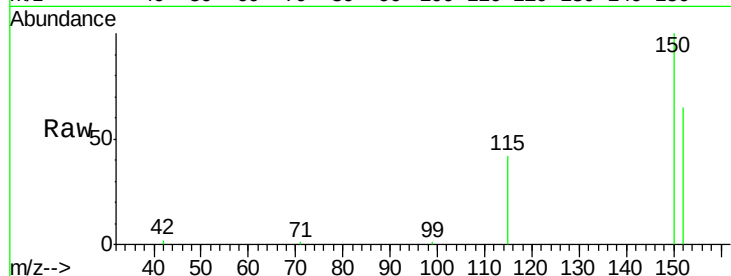
Tot Ion:152 Resp: 30518

Ion Ratio Lower Upper

152 100

150 153.3 122.2 183.4

115 64.9 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.19 min Scan# 87

Delta R.T. 0.03 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

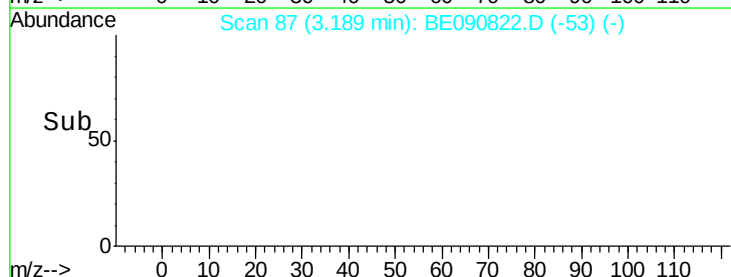
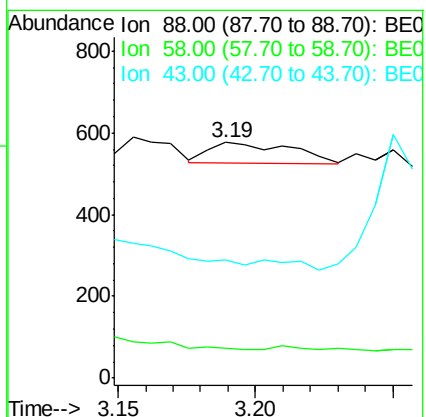
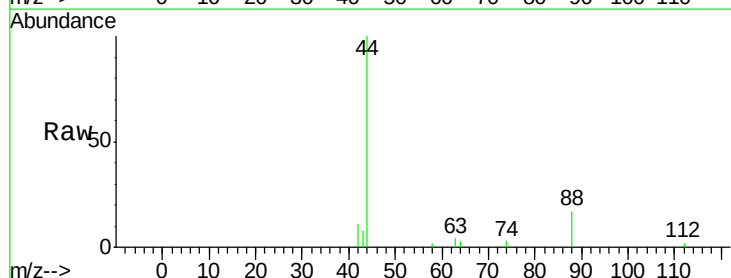
Tgt Ion: 88 Resp: 103

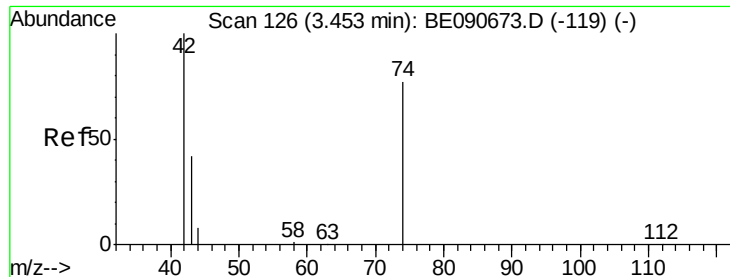
Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 0.0 26.9 40.3#



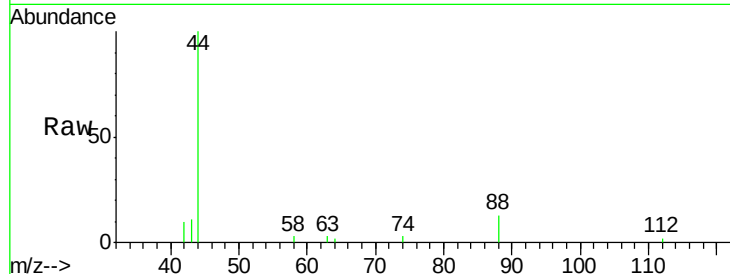


#3

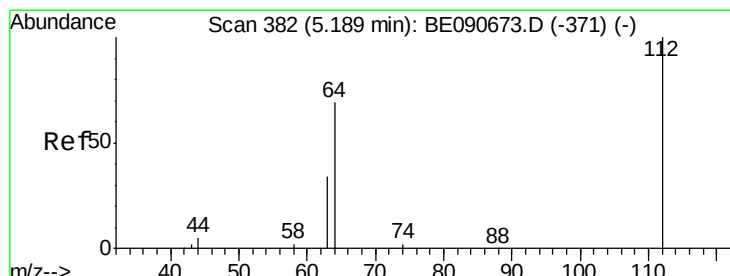
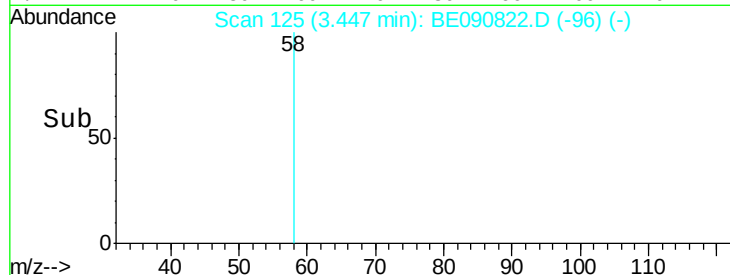
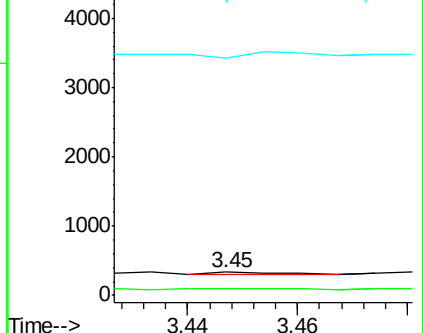
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 125
 Delta R.T. -0.00 min
 Lab File: BE090822.D
 Acq: 15 Sep 2015 5:19

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-S

Tot Ion: 42 Resp: 30
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 330.0 10.0 15.0#



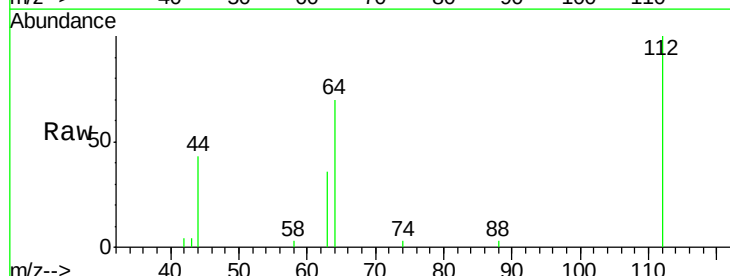
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



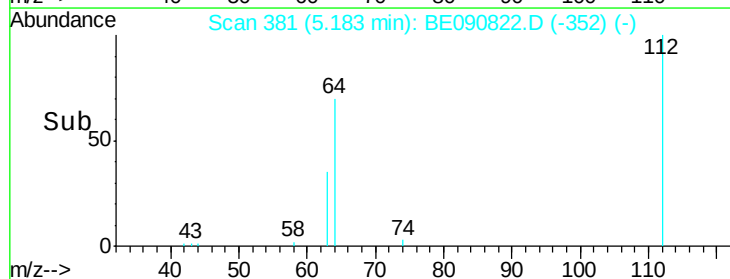
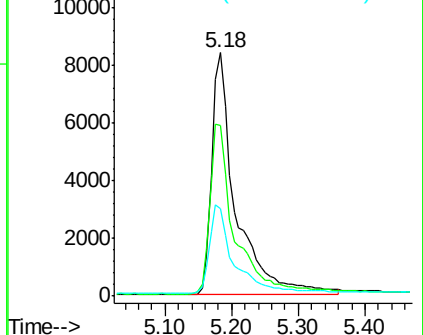
#4

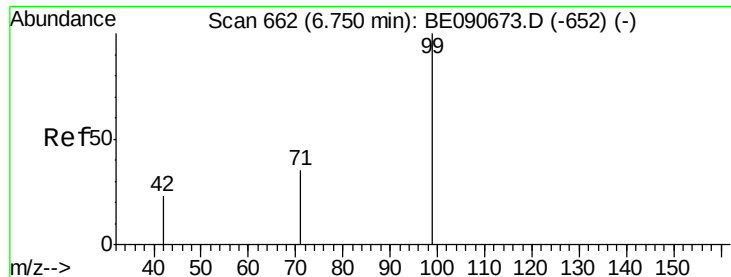
2-Fluorophenol
 Concen: 3.53 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090822.D
 Acq: 15 Sep 2015 5:19

Tgt Ion: 112 Resp: 20958
 Ion Ratio Lower Upper
 112 100
 64 72.4 57.3 85.9
 63 37.6 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: 1.89 ng

RT: 6.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

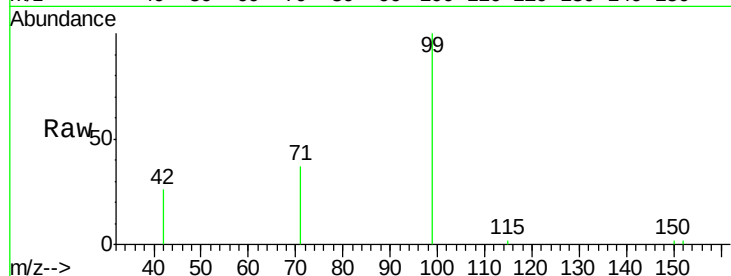
Tot Ion: 99 Resp: 16071

Ion Ratio Lower Upper

99 100

42 21.4 16.8 25.2

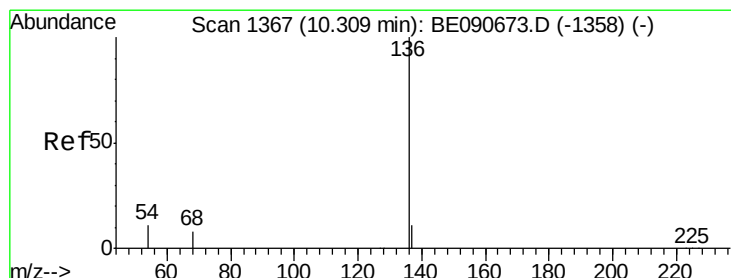
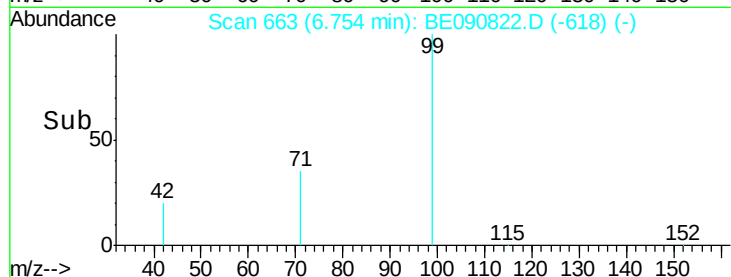
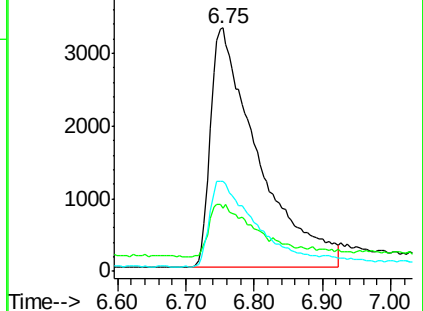
71 35.4 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Tgt Ion: 136 Resp: 130369

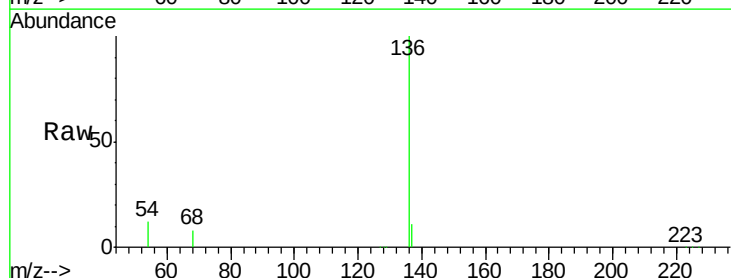
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.5 9.0 13.6

68 8.2 6.3 9.5

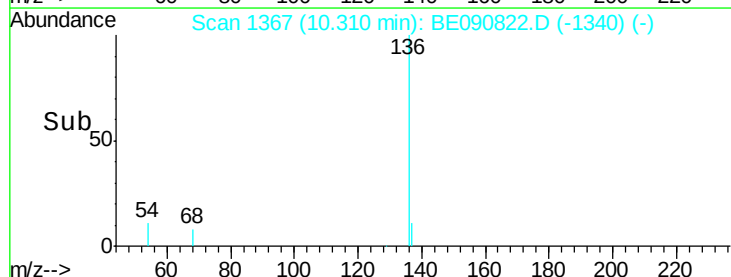
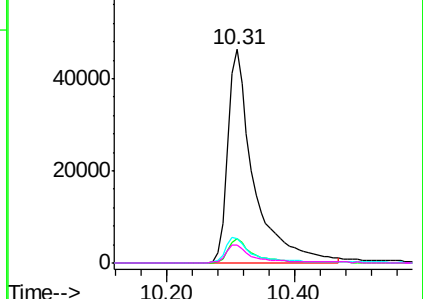


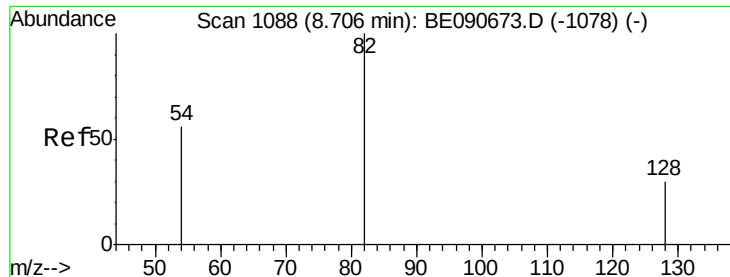
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.20 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

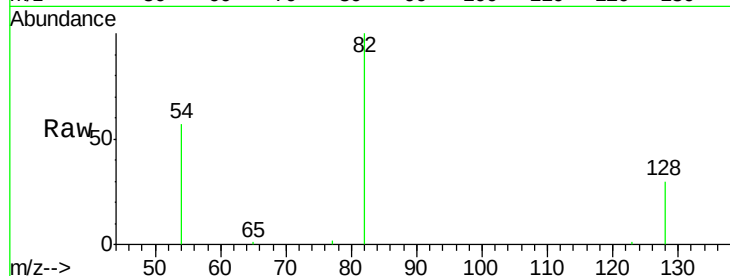
Tot Ion: 82 Resp: 36162

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.4

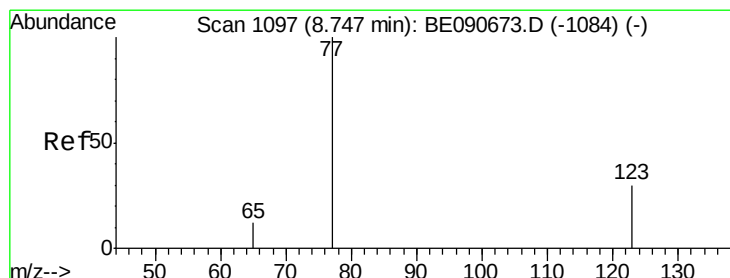
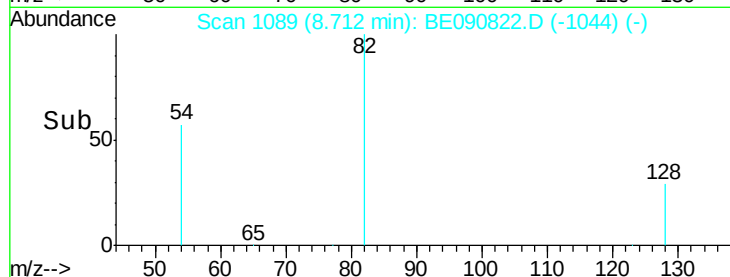
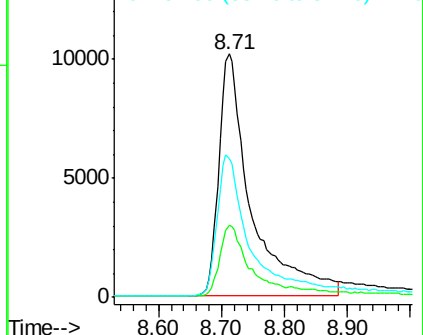
54 57.0 46.3 69.5



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: 0.12 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.04 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

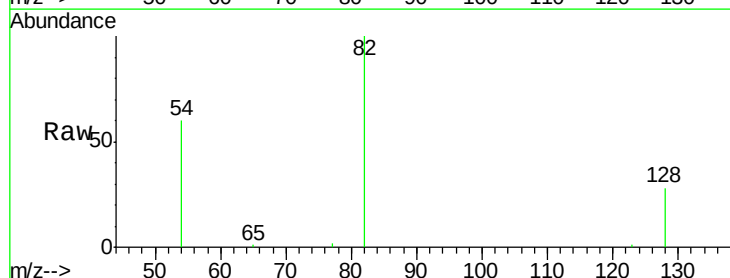
Tgt Ion: 77 Resp: 83

Ion Ratio Lower Upper

77 100

123 8.4 25.1 37.7#

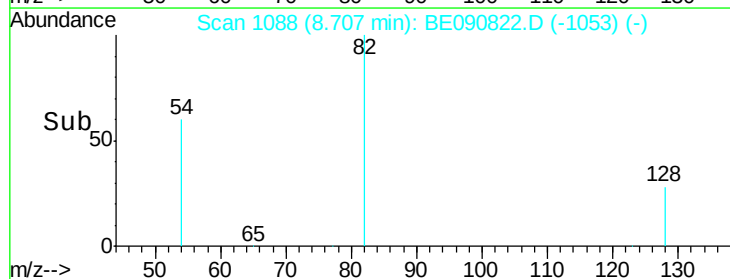
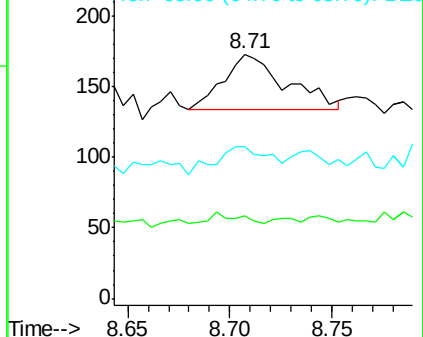
65 42.2 9.9 14.9#

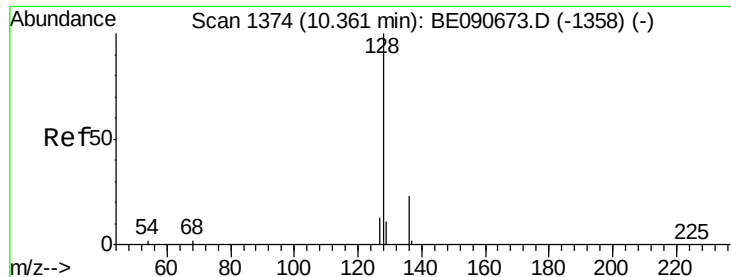


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 0.03 ng

RT: 10.36 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

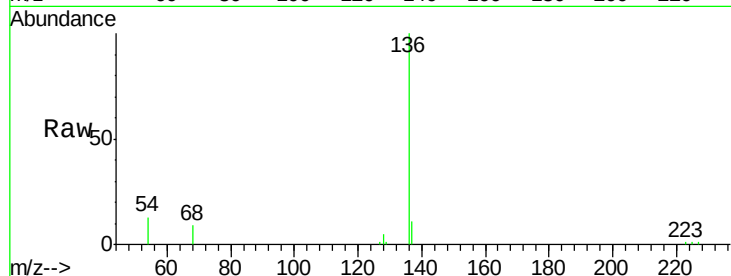
Tot Ion:128 Resp: 962

Ion Ratio Lower Upper

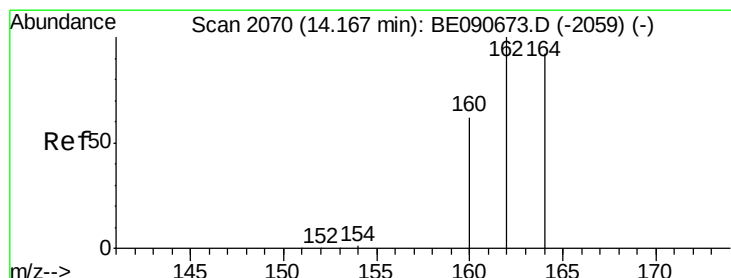
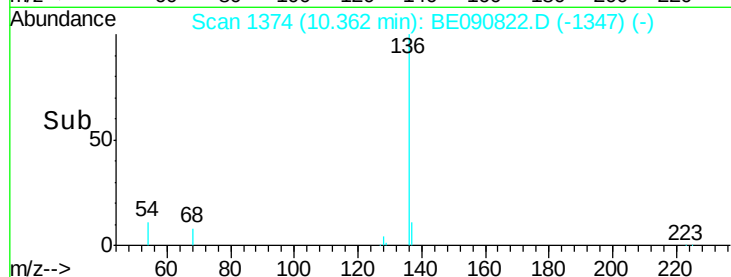
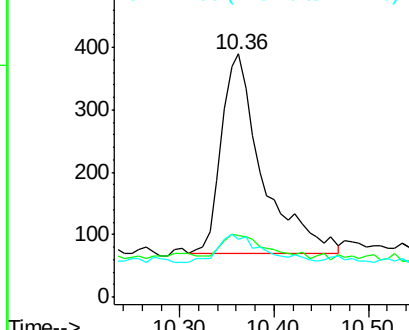
128 100

129 25.1 9.0 13.6#

127 23.6 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

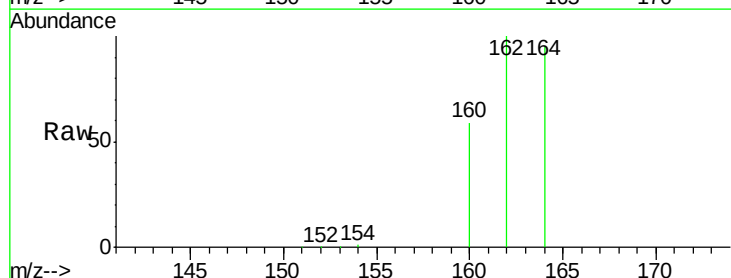
Tgt Ion:164 Resp: 68357

Ion Ratio Lower Upper

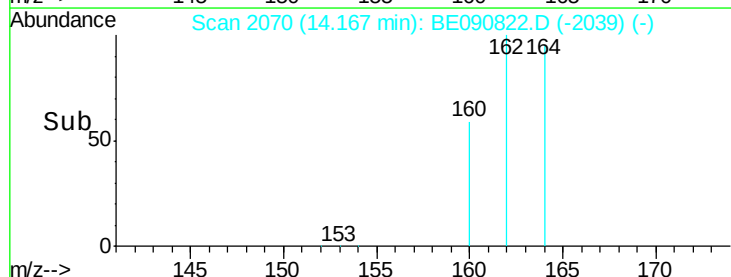
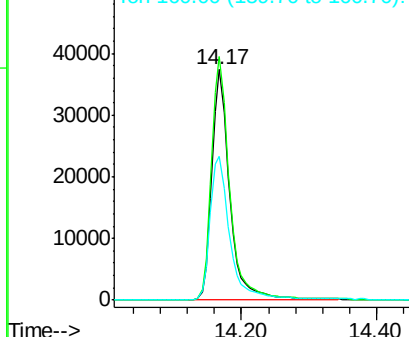
164 100

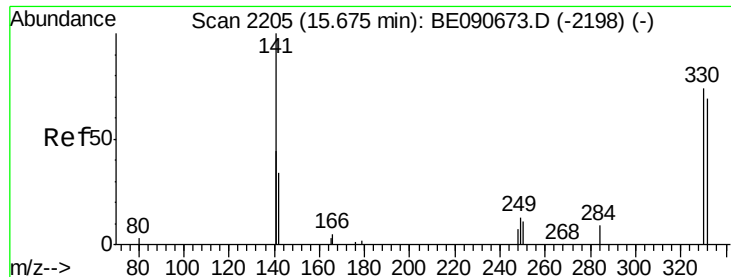
162 105.5 86.8 130.2

160 62.4 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

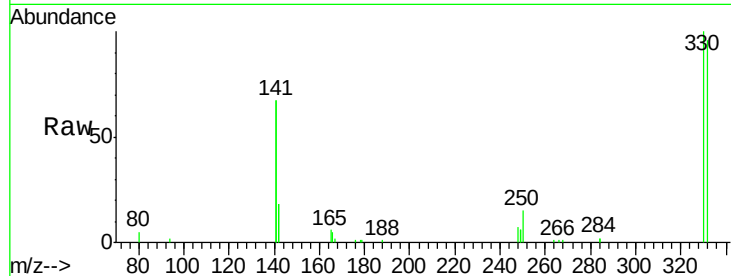




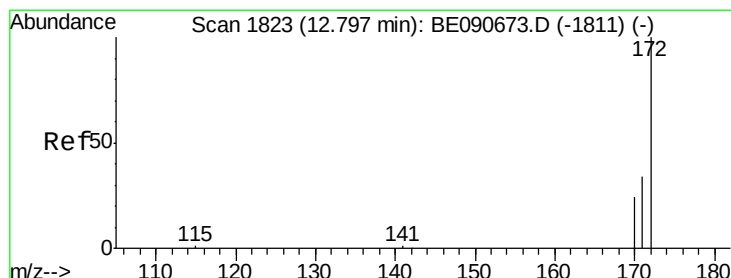
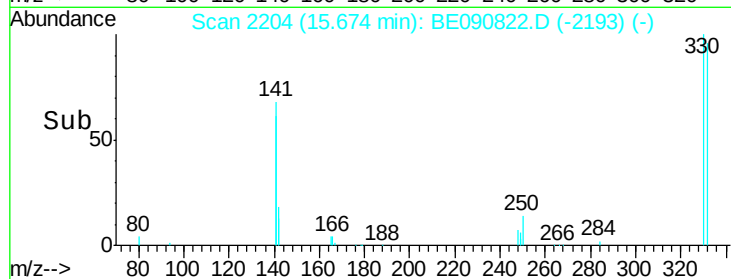
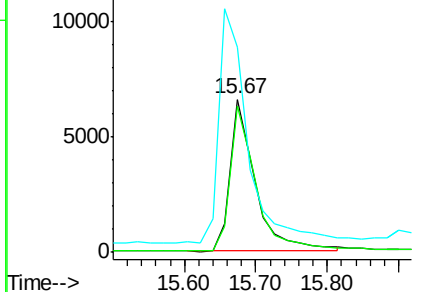
#13
 2,4,6-Tribromophenol
 Concen: 8.04 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090822.D
 Acq: 15 Sep 2015 5:19

Instrument :
 BNA_E
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 091315-D534-F-U-S

Tot Ion:330 Resp: 16142
 Ion Ratio Lower Upper
 330 100
 332 97.7 74.9 112.3
 141 178.3 145.2 217.8

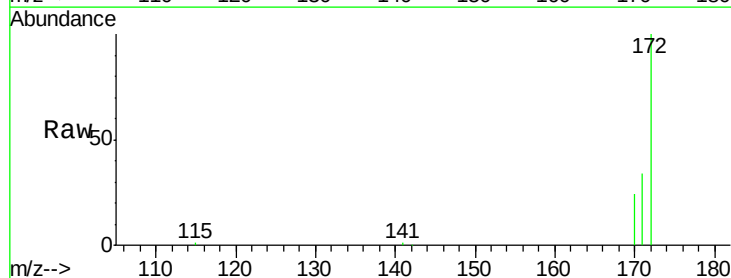


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

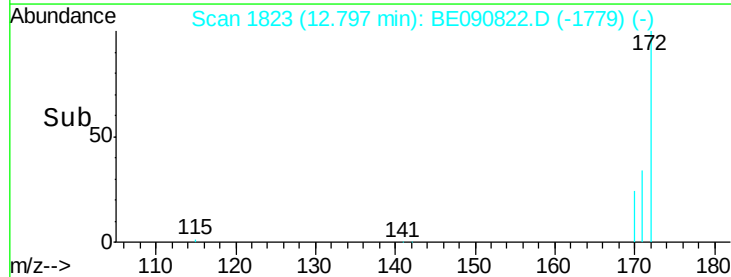
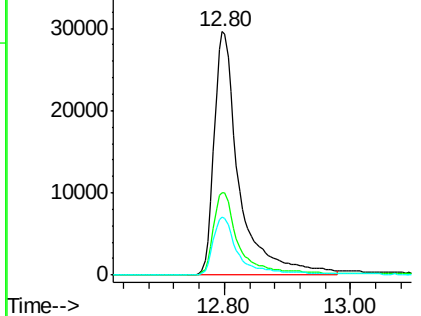


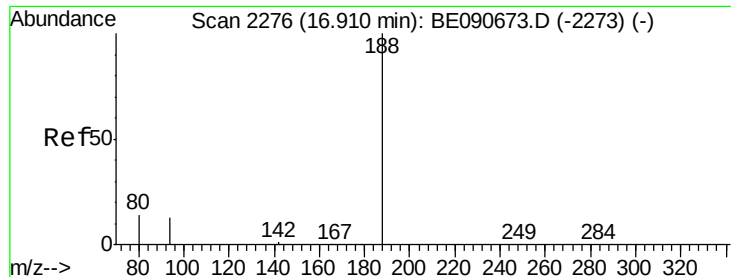
#14
 2-Fluorobiphenyl
 Concen: 4.30 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090822.D
 Acq: 15 Sep 2015 5:19

Tgt Ion:172 Resp: 81348
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.8 41.8
 170 24.0 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: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

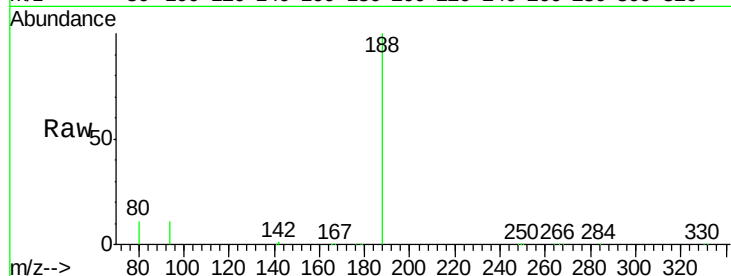
Tot Ion:188 Resp: 184783

Ion Ratio Lower Upper

188 100

94 10.8 10.3 15.5

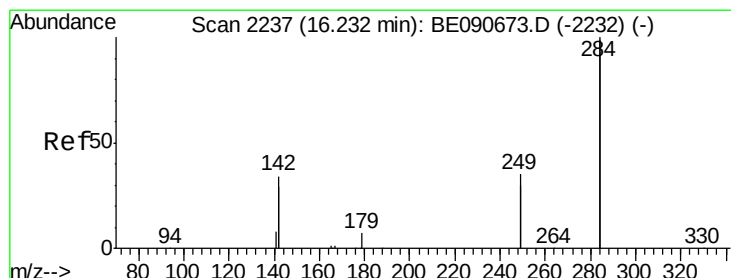
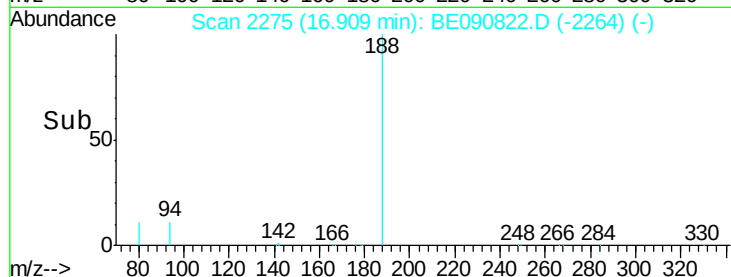
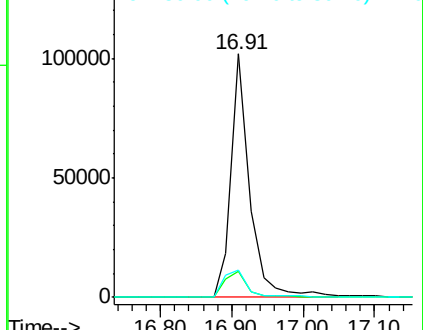
80 11.4 11.0 16.6



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: BE090822.D

Acq: 15 Sep 2015 5:19

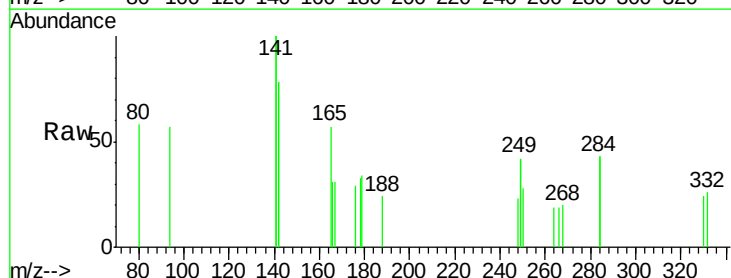
Tgt Ion:284 Resp: 63

Ion Ratio Lower Upper

284 100

142 295.2 35.0 52.4#

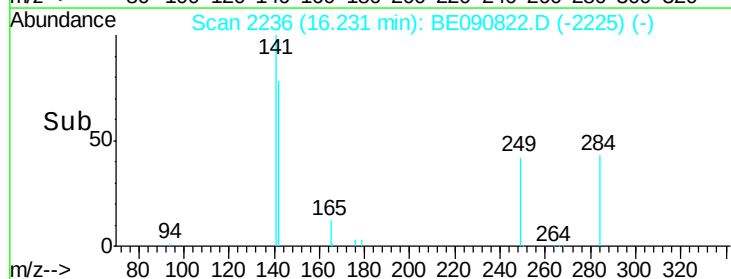
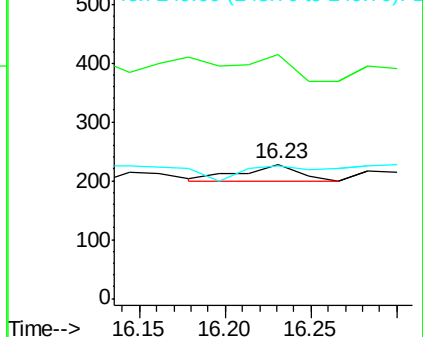
249 106.3 25.5 38.3#

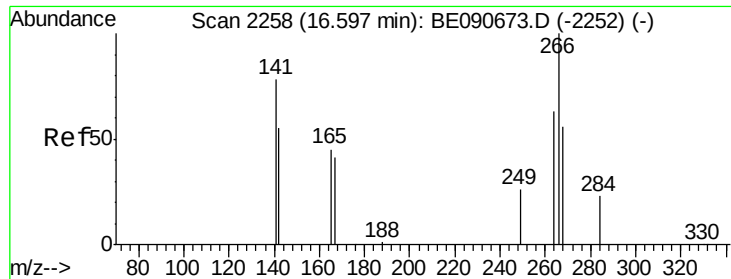


Abundance Ion 283.80 (283.50 to 284.50): E

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: 16.54 min Scan# 2254

Delta R.T. -0.05 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

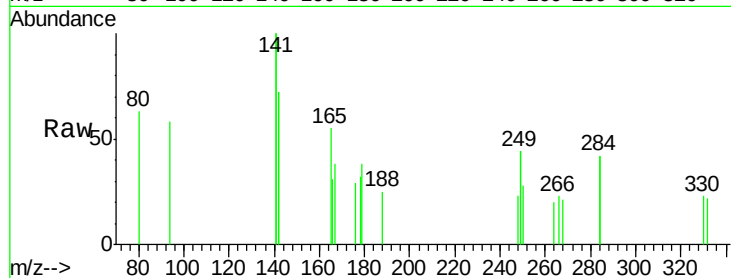
Tot Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

268 91.2 49.6 74.4#

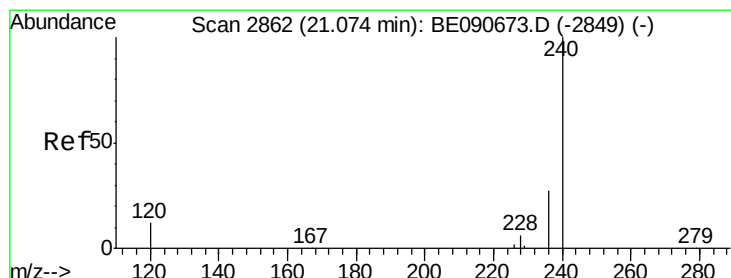
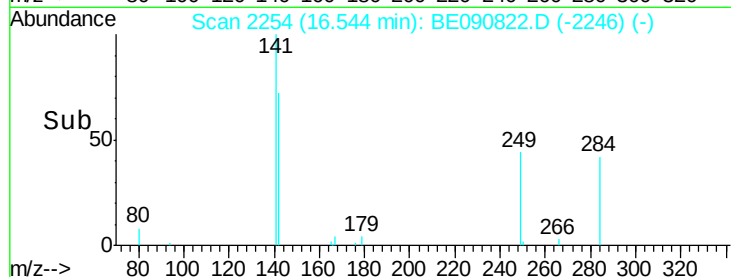
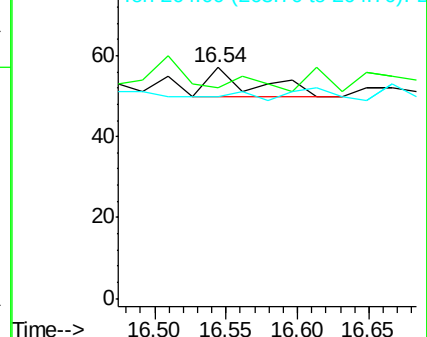
264 87.7 53.9 80.9#



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# 2859

Delta R.T. -0.01 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

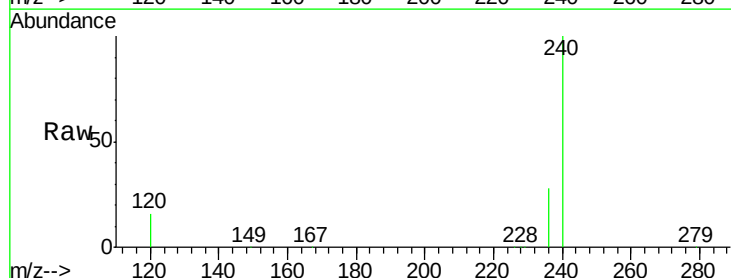
Tgt Ion:240 Resp: 244952

Ion Ratio Lower Upper

240 100

120 15.5 10.1 15.1#

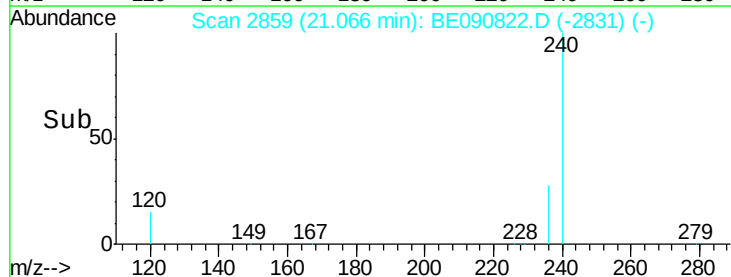
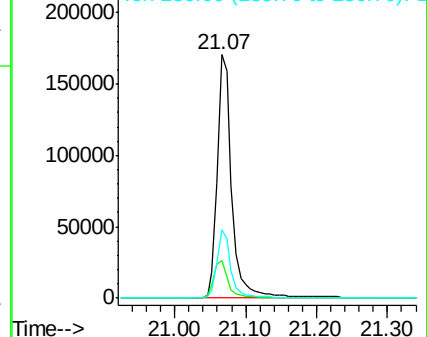
236 28.3 21.9 32.9

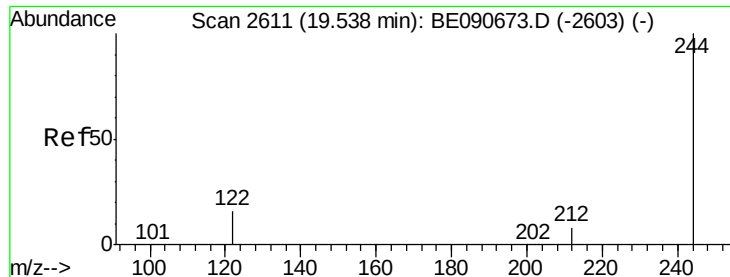


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.75 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

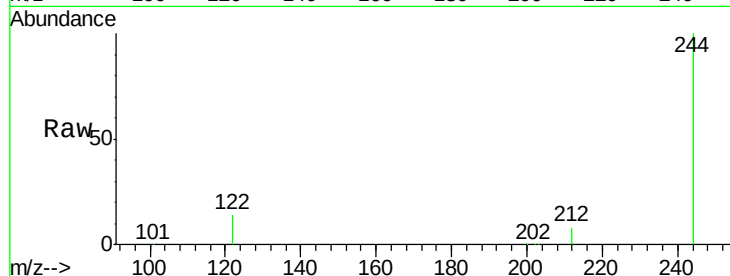
Tot Ion:244 Resp: 155862

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

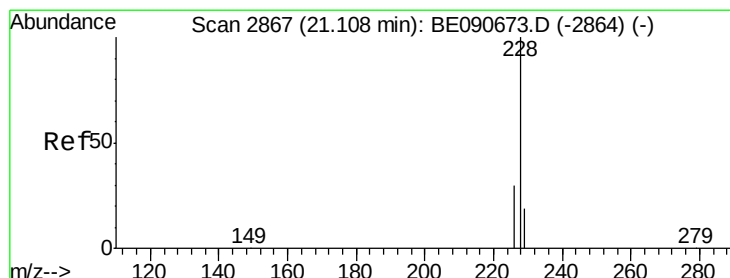
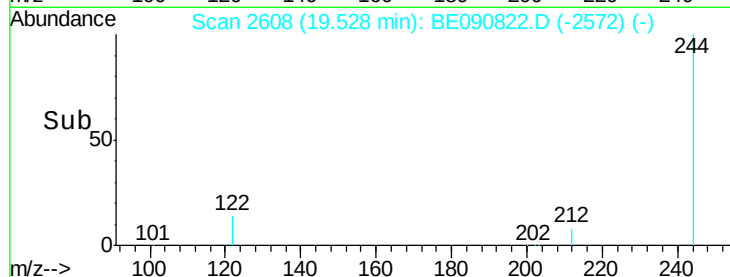
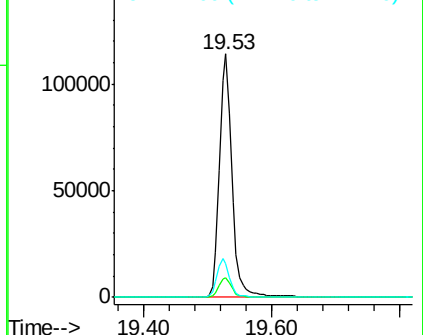
122 13.8 12.9 19.3



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: 21.07 min Scan# 2859

Delta R.T. -0.04 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

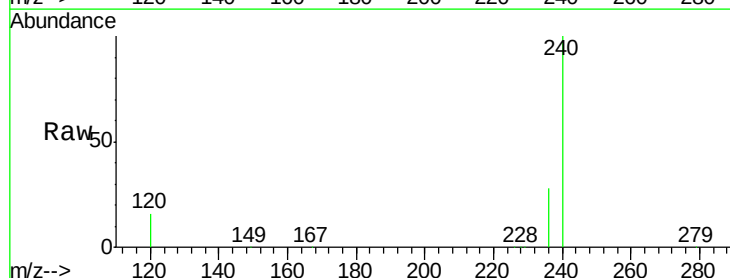
Tgt Ion:228 Resp: 1018

Ion Ratio Lower Upper

228 100

226 22.4 24.2 36.4#

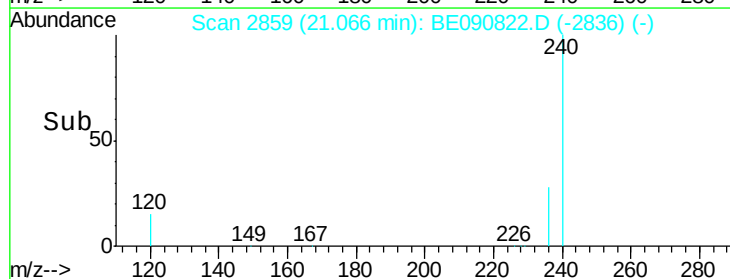
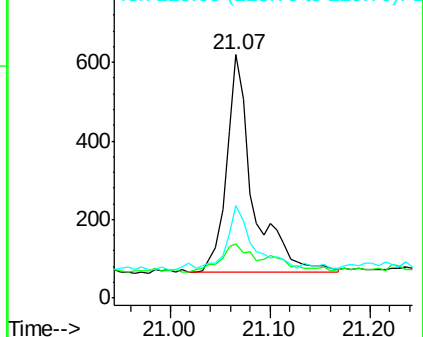
229 37.7 15.3 22.9#

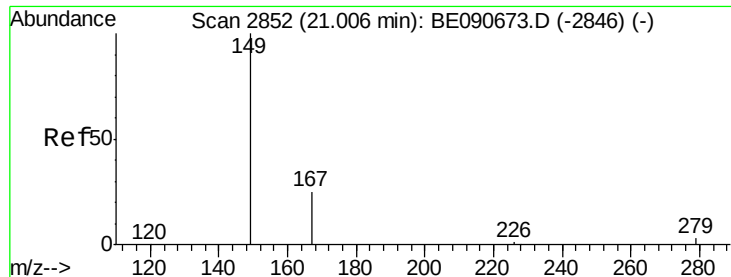


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090822.D

Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S

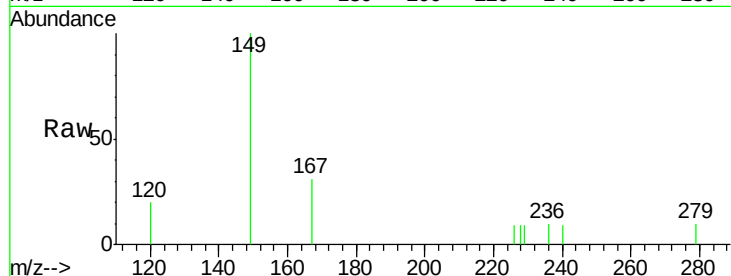
Tot Ion:149 Resp: 698

Ion Ratio Lower Upper

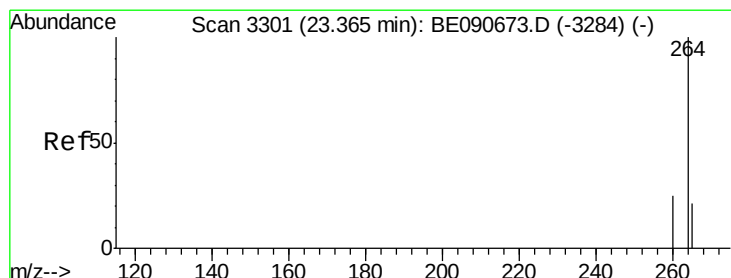
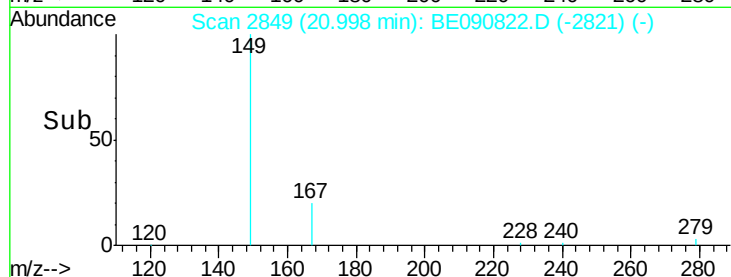
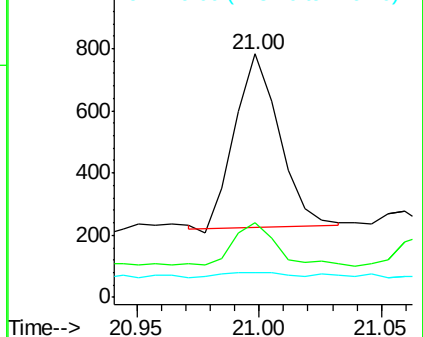
149 100

167 24.9 20.1 30.1

279 4.4 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: BE090822.D

Acq: 15 Sep 2015 5:19

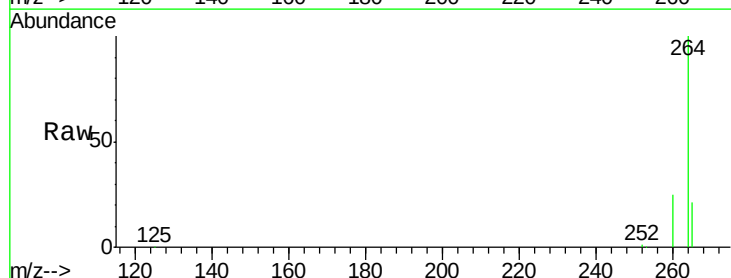
Tgt Ion:264 Resp: 232094

Ion Ratio Lower Upper

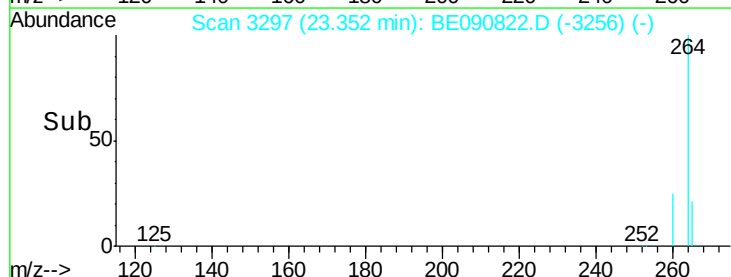
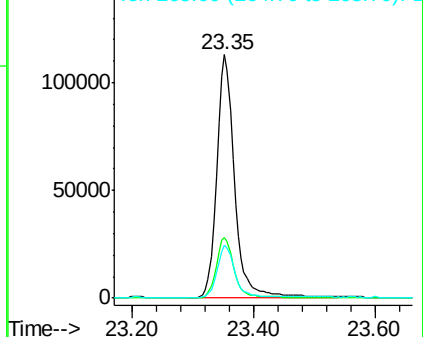
264 100

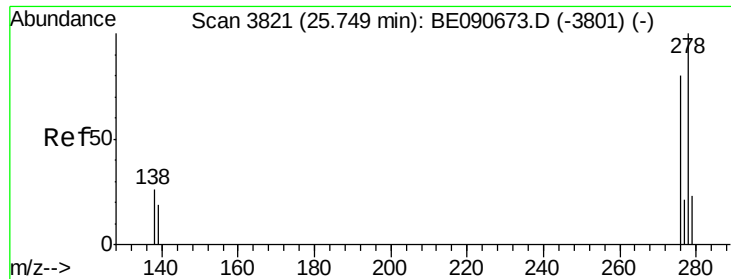
260 25.0 19.7 29.5

265 21.5 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: 25.72 min Scan# 3814

Delta R.T. -0.03 min

Lab File: BE090822.D

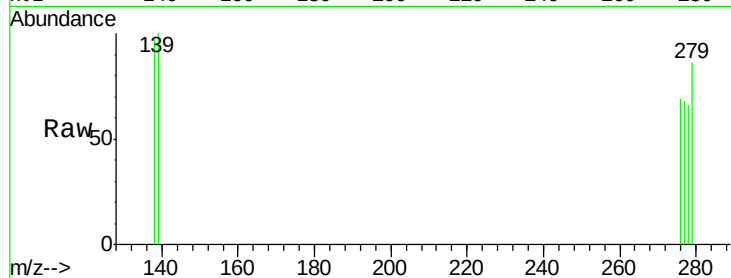
Acq: 15 Sep 2015 5:19

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-S



Tot Ion: 278 Resp: 14

Ion Ratio Lower Upper

278 100

139 151.6 15.4 23.0#

279 129.7 18.8 28.2#

