

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082615\
 Data File : BE090642.D
 Acq On : 26 Aug 2015 19:46
 Operator : UM/IZ
 Sample : G3415-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 082515-D534-E-D-B

Quant Time: Aug 26 23:50:36 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 26 23:44:39 2015
 Response via : Initial Calibration

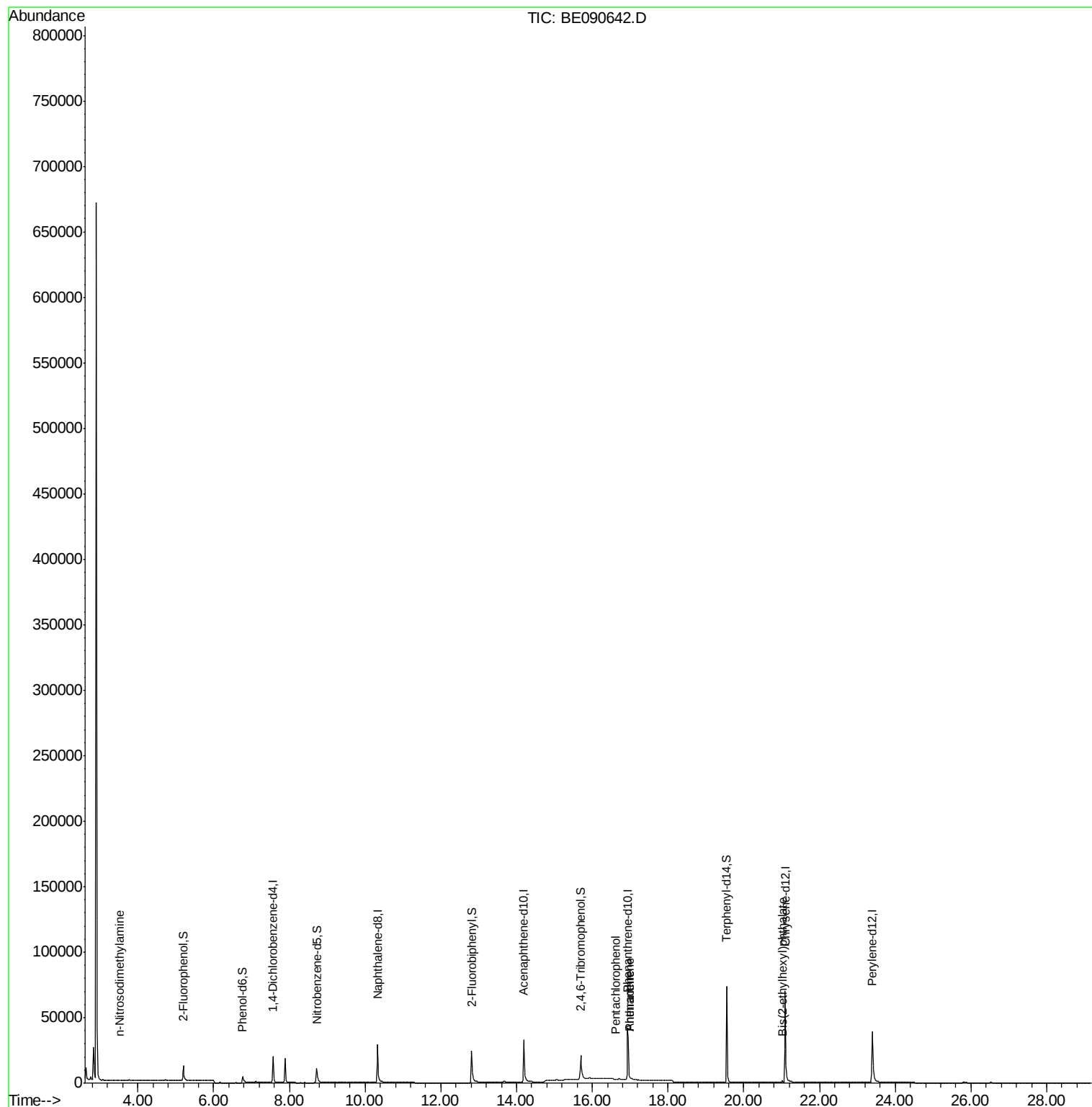
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	10926	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	48368	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	27169	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	72840	5.00	ng	0.00
25) Chrysene-d12	21.09	240	82155	5.00	ng	0.00
32) Perylene-d12	23.39	264	68390	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	10427	3.30	ng	0.00
5) Phenol-d6	6.76	99	9206	1.98	ng	0.00
7) Nitrobenzene-d5	8.72	82	16305	4.23	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	10985	10.51	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	36651	4.52	ng	0.00
27) Terphenyl-d14	19.55	244	83168	5.53	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.35	88	16	Below Cal	#	15
3) n-Nitrosodimethylamine	3.53	42	43	0.02 ng	#	1
21) Pentachlorophenol	16.61	266	16	0.31 ng	#	65
22) Phenanthrene	16.98	178	588	0.03 ng	#	79
23) Anthracene	16.98	178	567	0.03 ng	#	81
30) Bis(2-ethylhexyl)phthalate	21.02	149	1134	0.22 ng		97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.57 min Scan# 842

Delta R.T. -0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

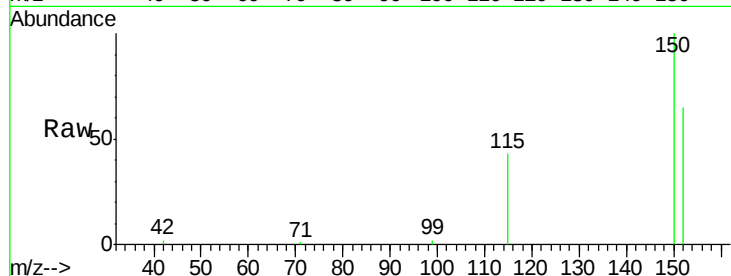
Tgt Ion:152 Resp: 10926

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

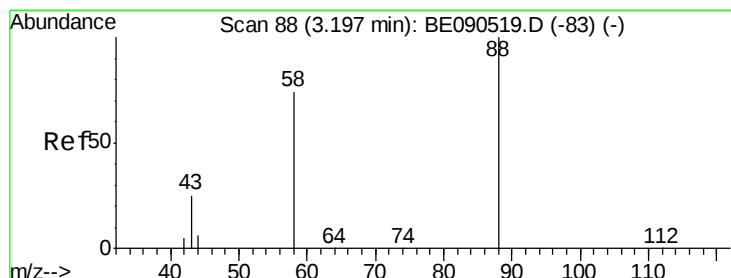
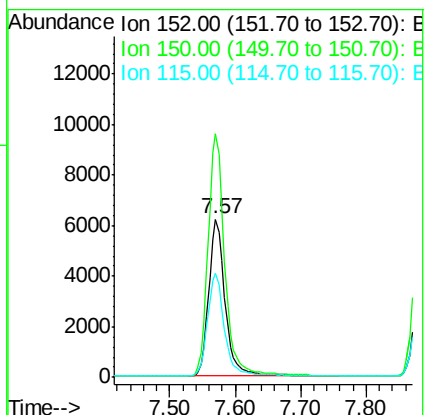
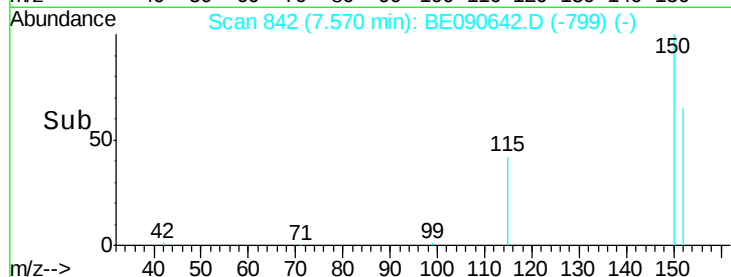
115 66.1 48.9 73.3



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: 3.35 min Scan# 111

Delta R.T. 0.16 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

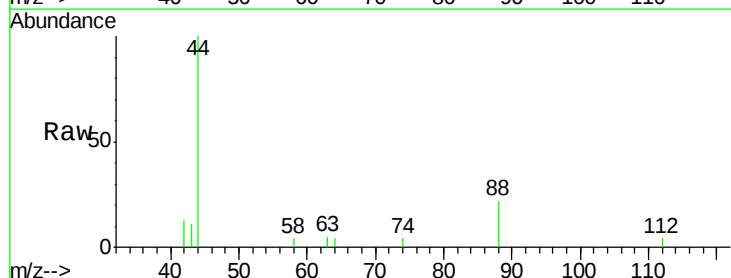
Tgt Ion: 88 Resp: 16

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

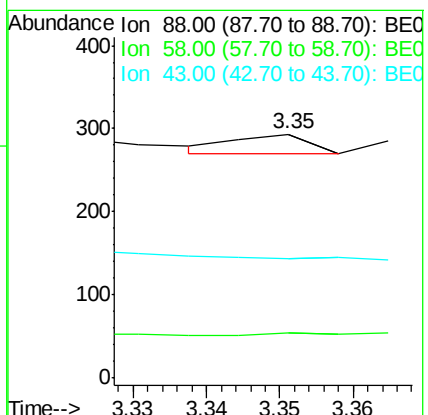
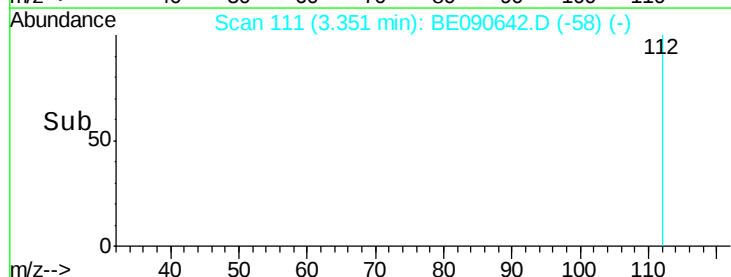
43 0.0 28.4 42.6#



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: 0.02 ng

RT: 3.53 min Scan# 138

Delta R.T. 0.05 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

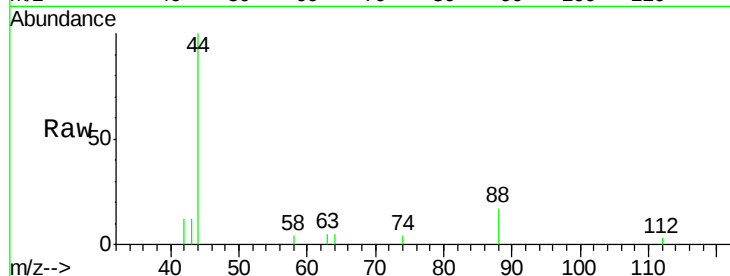
Tgt Ion: 42 Resp: 43

Ion Ratio Lower Upper

42 100

74 0.0 75.2 112.8#

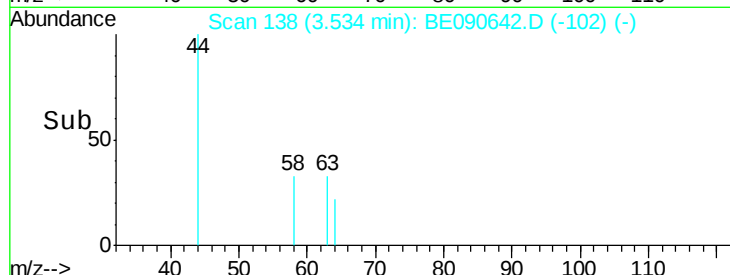
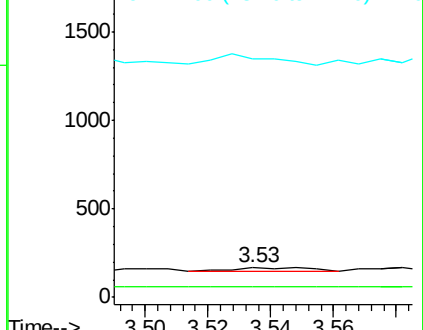
44 179.1 8.7 13.1#



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: 3.30 ng

RT: 5.20 min Scan# 384

Delta R.T. -0.01 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

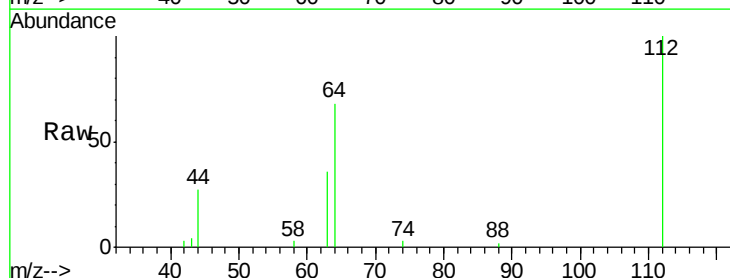
Tgt Ion: 112 Resp: 10427

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

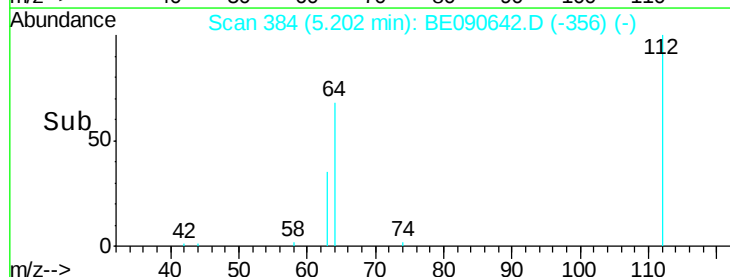
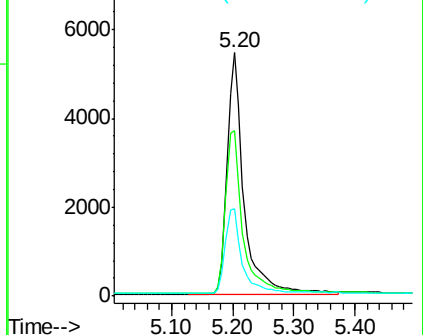
63 36.4 19.5 29.3#

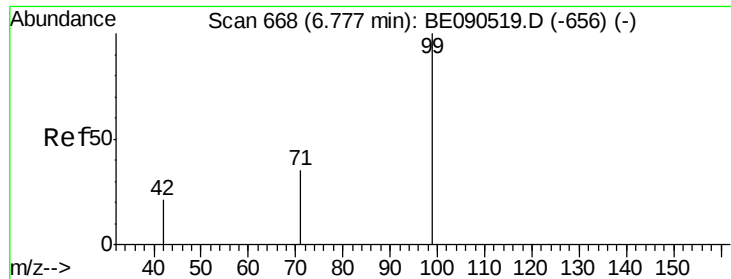


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.98 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

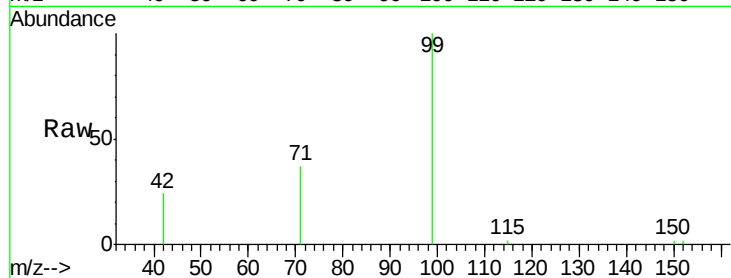
Tgt Ion: 99 Resp: 9206

Ion Ratio Lower Upper

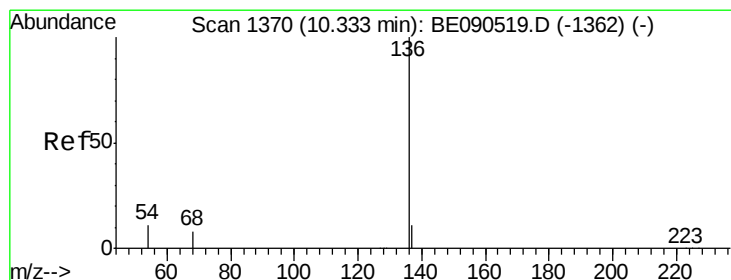
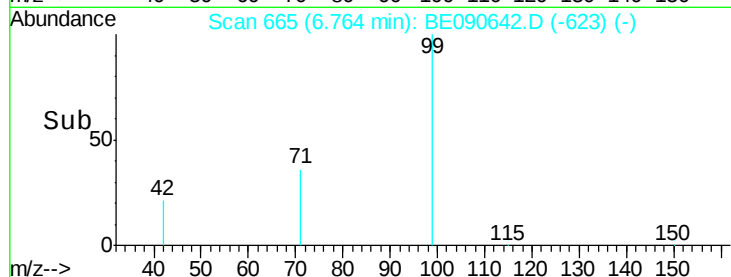
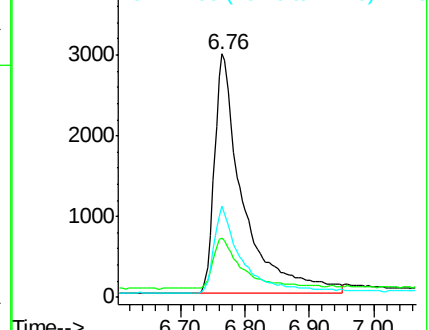
99 100

42 19.2 18.2 27.4

71 35.9 27.4 41.0



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: 10.33 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Tgt Ion: 136 Resp: 48368

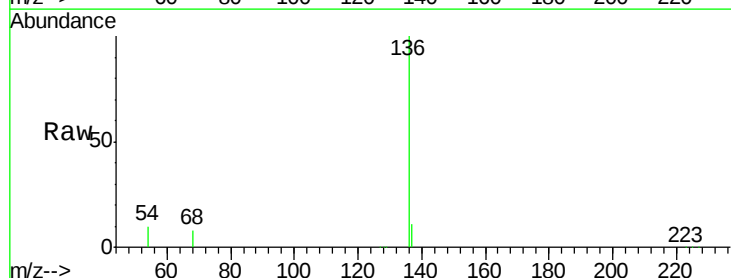
Ion Ratio Lower Upper

136 100

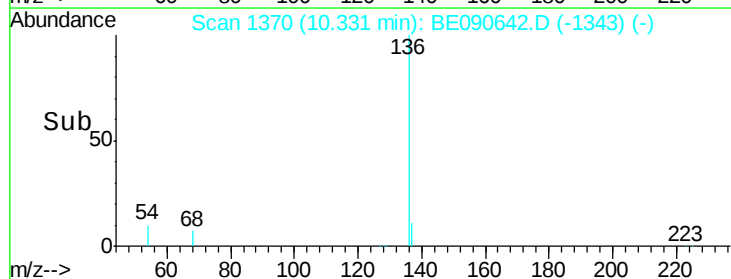
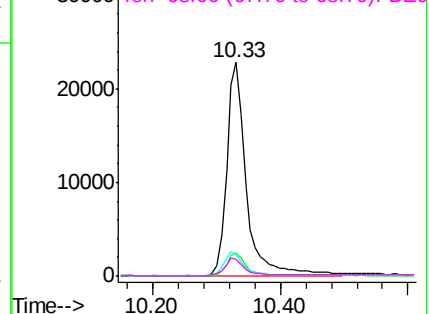
137 11.0 8.7 13.1

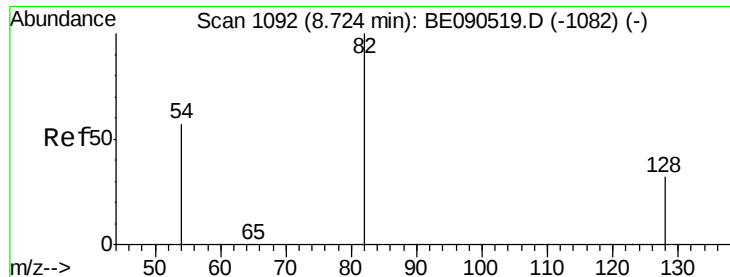
54 10.5 9.4 14.0

68 7.6 6.5 9.7



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: 4.23 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

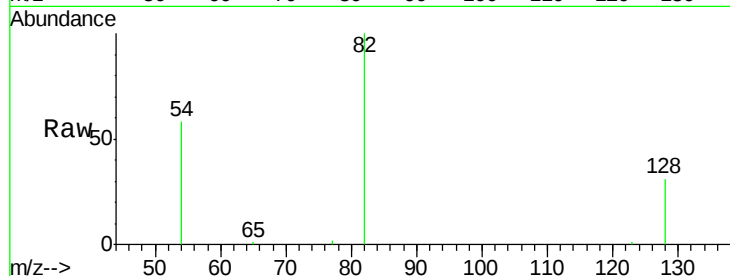
Tgt Ion: 82 Resp: 16305

Ion Ratio Lower Upper

82 100

128 30.6 25.0 37.6

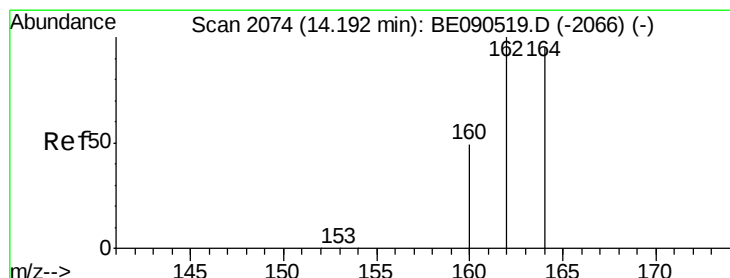
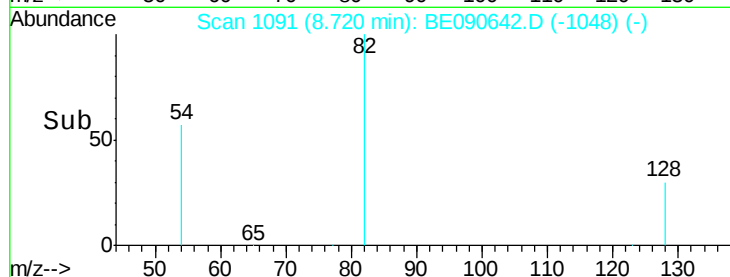
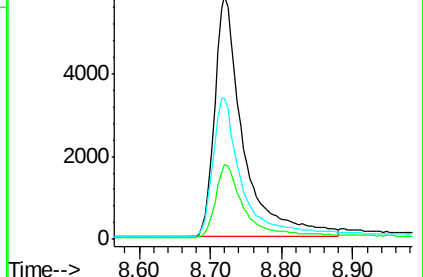
54 57.8 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090519.D (-1082) (-)

Ion 128.00 (127.70 to 128.70): BE090519.D (-1082) (-)

Ion 54.00 (53.70 to 54.70): BE090519.D (-1082) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

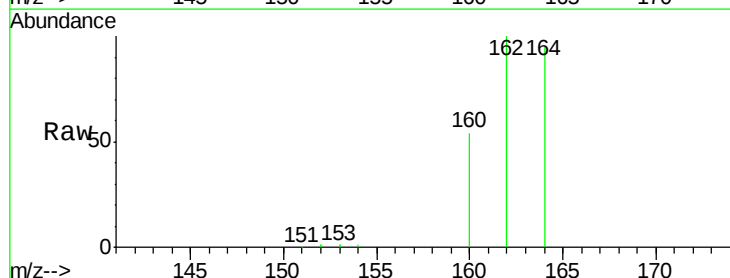
Tgt Ion: 164 Resp: 27169

Ion Ratio Lower Upper

164 100

162 105.0 81.8 122.8

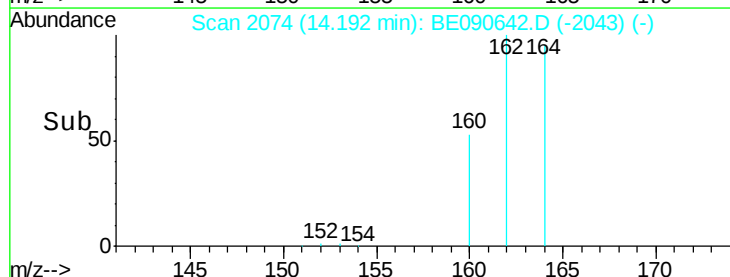
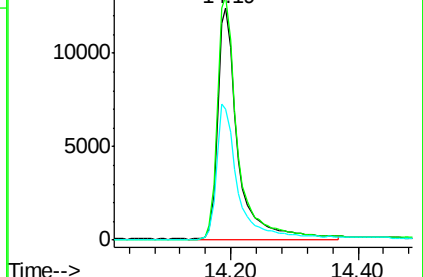
160 56.4 44.2 66.4

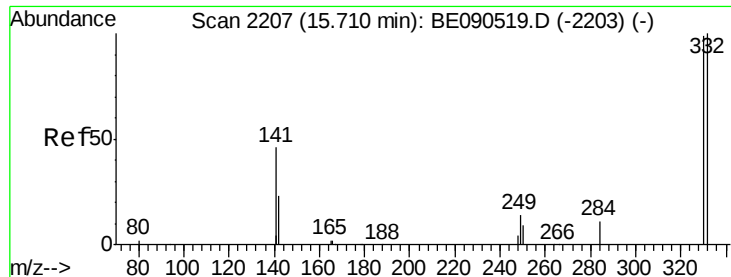


Abundance Ion 164.00 (163.70 to 164.70): BE090519.D (-2066) (-)

Ion 162.00 (161.70 to 162.70): BE090519.D (-2066) (-)

Ion 160.00 (159.70 to 160.70): BE090519.D (-2066) (-)

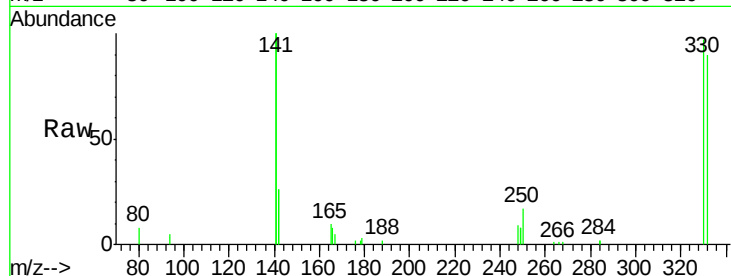




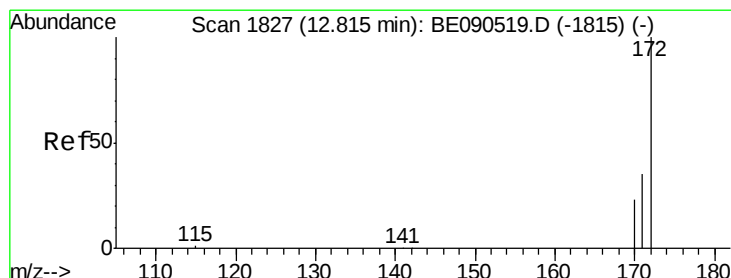
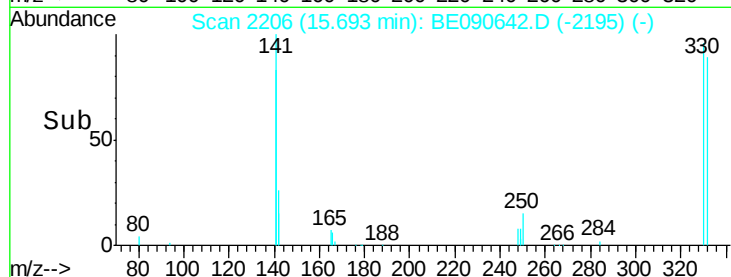
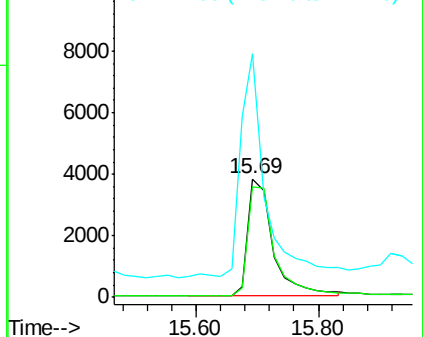
#13
 2,4,6-Tribromophenol
 Concen: 10.51 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090642.D
 Acq: 26 Aug 2015 19:46

Instrument :
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 082515-D534-E-D-B

Tgt Ion:330 Resp: 10985
 Ion Ratio Lower Upper
 330 100
 332 97.5 75.8 113.6
 141 188.4 114.4 171.6#

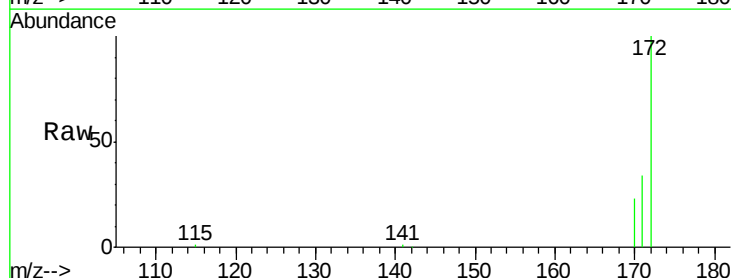


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

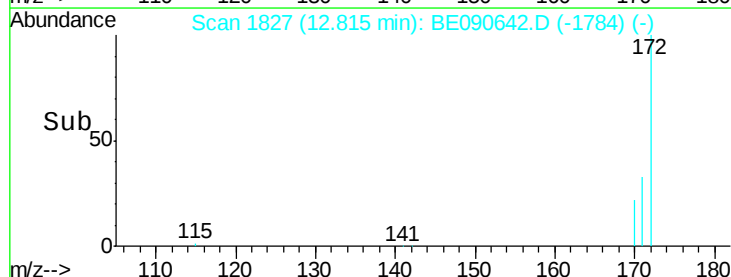
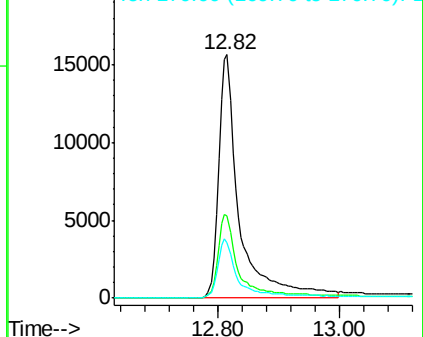


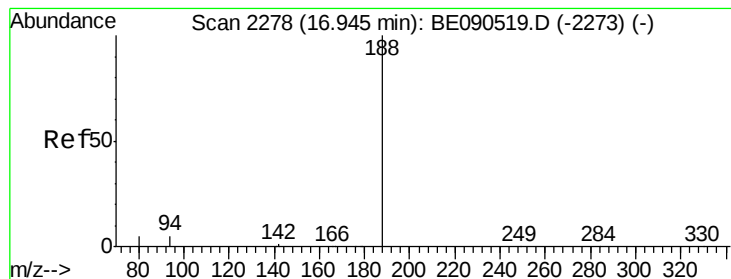
#14
 2-Fluorobiphenyl
 Concen: 4.52 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BE090642.D
 Acq: 26 Aug 2015 19:46

Tgt Ion:172 Resp: 36651
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.5 42.7
 170 22.5 19.8 29.8



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: 16.95 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

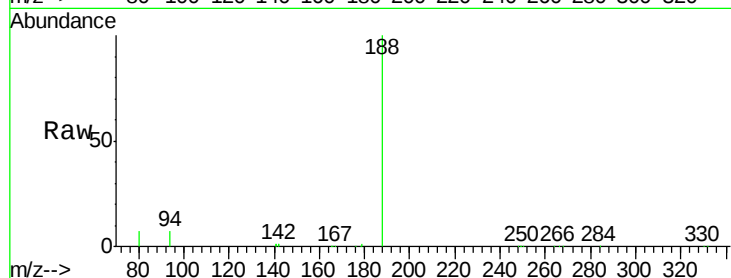
Tgt Ion:188 Resp: 72840

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

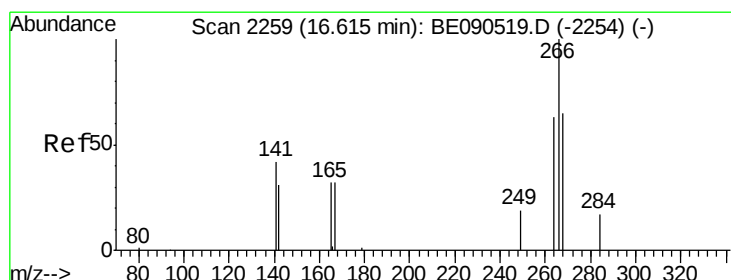
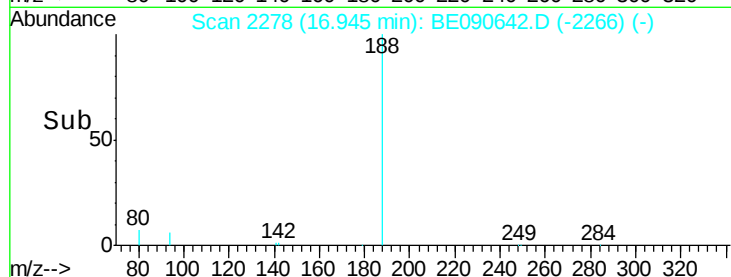
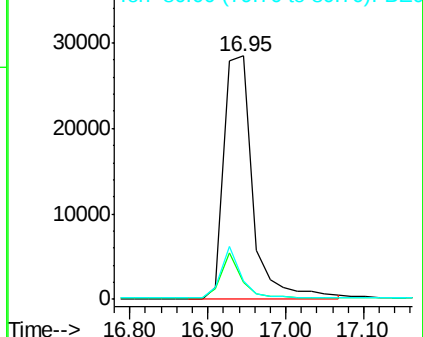
80 7.3 5.8 8.8



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



#21

Pentachlorophenol

Concen: 0.31 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

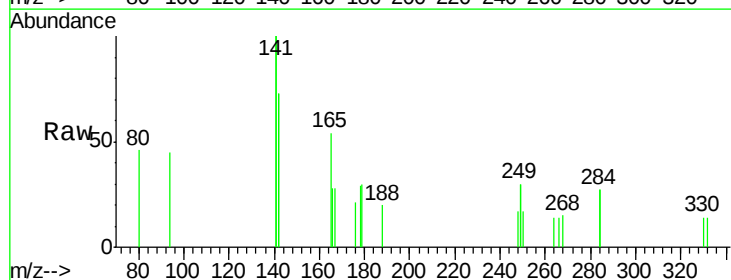
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

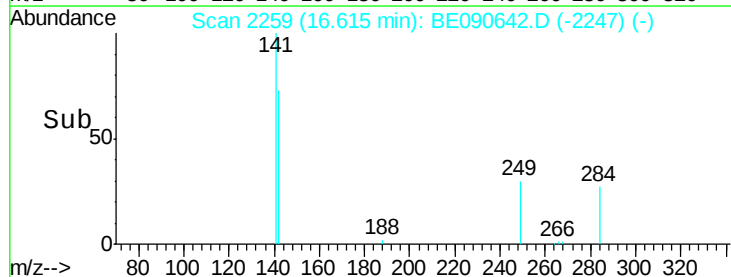
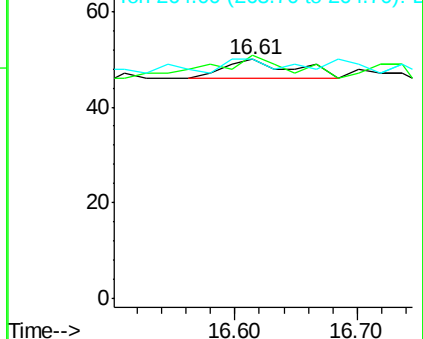
264 100.0 56.0 84.0#

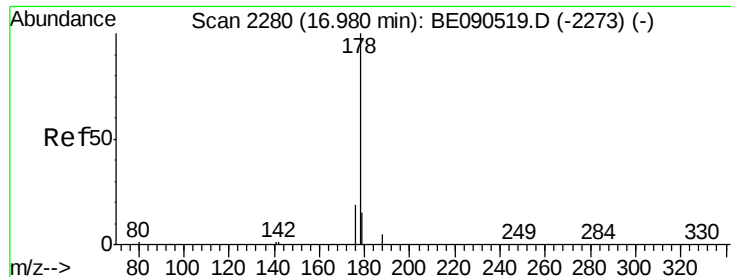


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.03 ng

RT: 16.98 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

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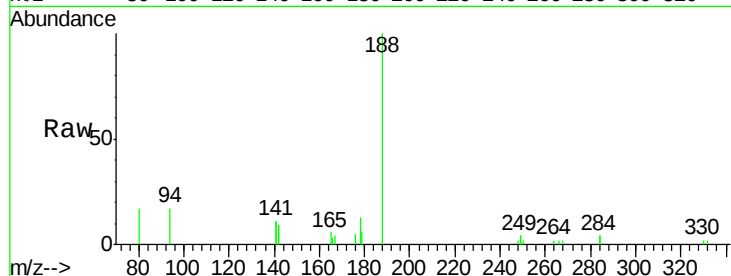
Tgt Ion:178 Resp: 588

Ion Ratio Lower Upper

178 100

176 15.6 15.4 23.2

179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.98

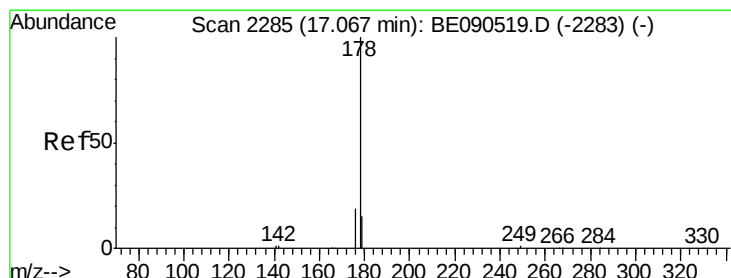
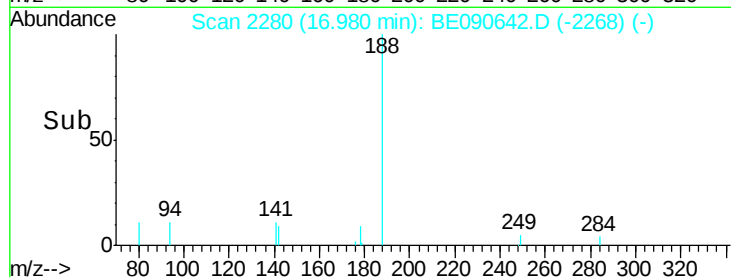
300

200

100

0

Time-->



#23

Anthracene

Concen: 0.03 ng

RT: 16.98 min Scan# 2280

Delta R.T. -0.09 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

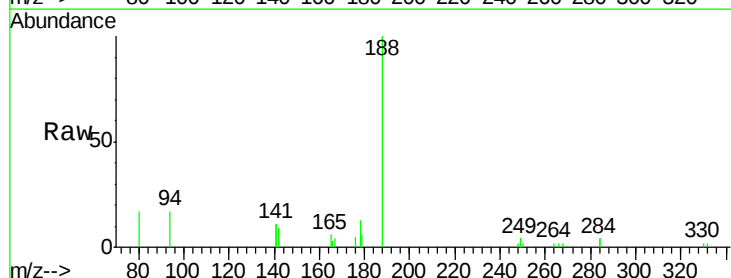
Tgt Ion:178 Resp: 567

Ion Ratio Lower Upper

178 100

176 16.2 14.9 22.3

179 0.0 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.98

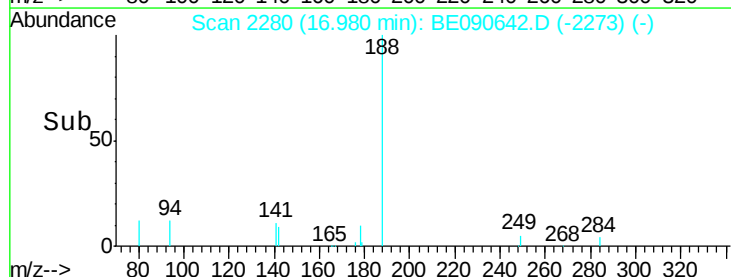
300

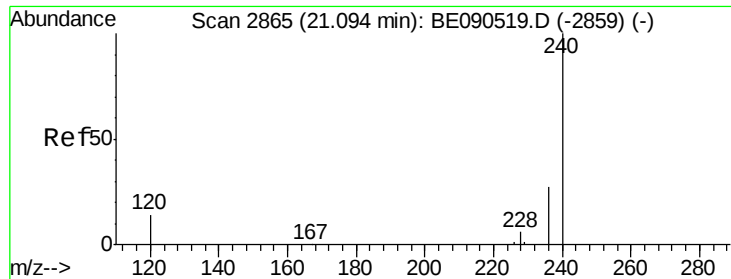
200

100

0

Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

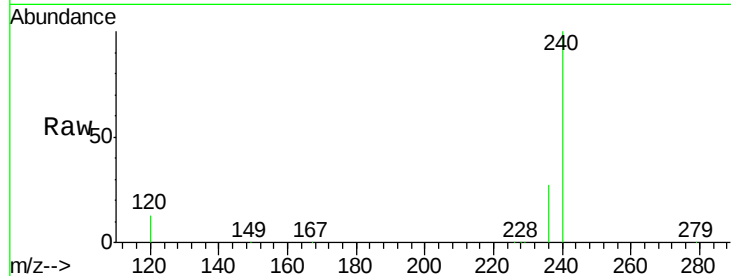
Tgt Ion:240 Resp: 82155

Ion Ratio Lower Upper

240 100

120 12.6 8.3 12.5#

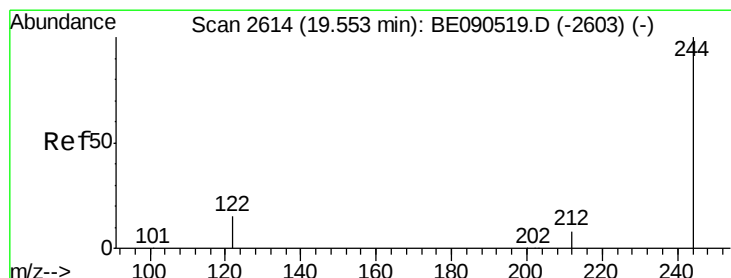
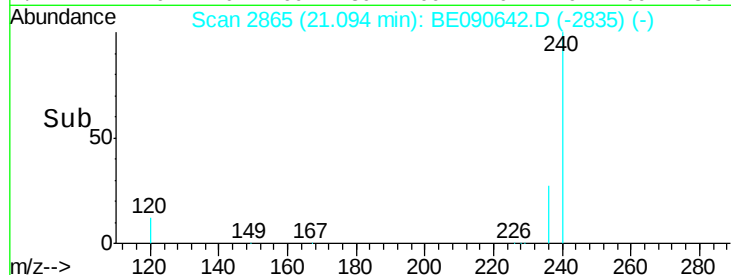
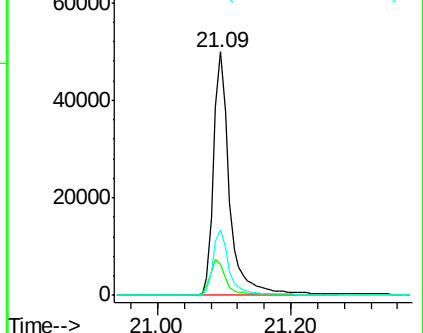
236 26.9 21.0 31.4



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: 5.53 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

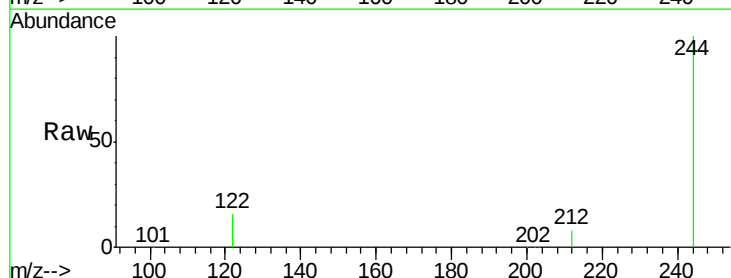
Tgt Ion:244 Resp: 83168

Ion Ratio Lower Upper

244 100

212 8.3 6.6 9.8

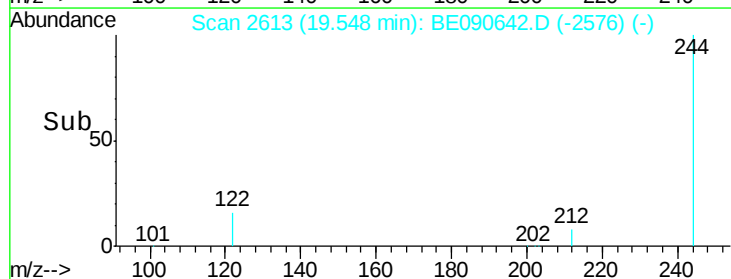
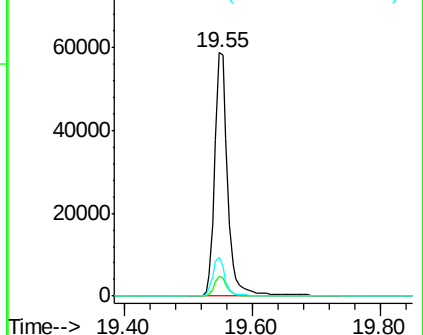
122 15.9 10.2 15.4#

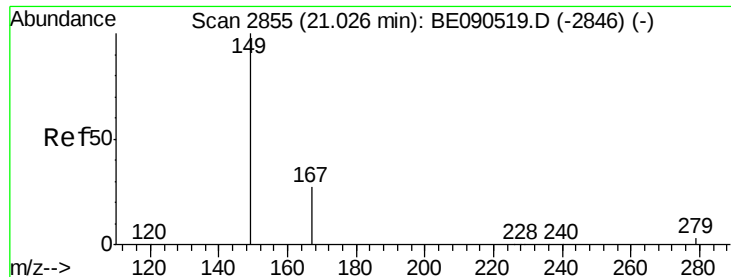


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.02 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

Instrument :

BNA_E

ClientSampleId :

082515-D534-E-D-B

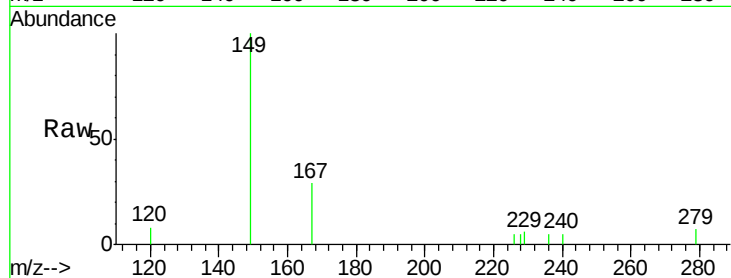
Tgt Ion:149 Resp: 1134

Ion Ratio Lower Upper

149 100

167 26.4 19.8 29.8

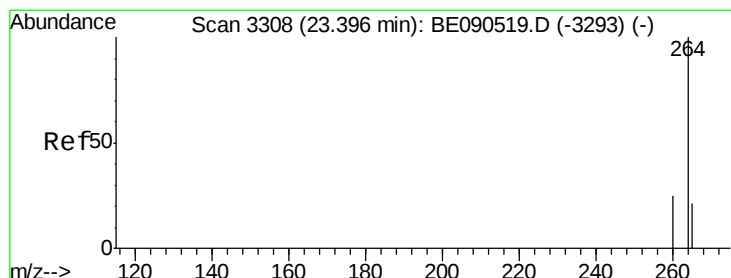
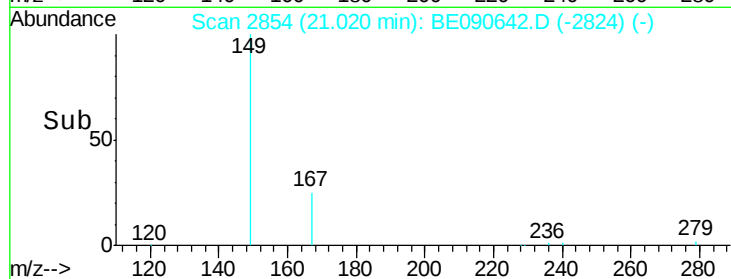
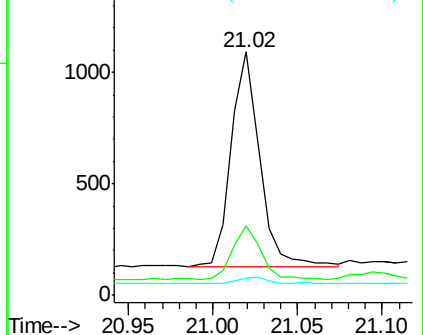
279 3.4 2.4 3.6



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: 23.39 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090642.D

Acq: 26 Aug 2015 19:46

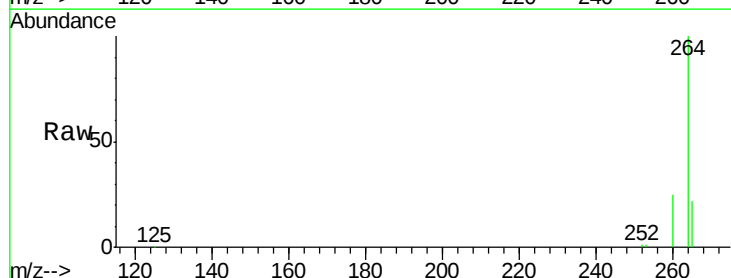
Tgt Ion:264 Resp: 68390

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

265 22.3 17.2 25.8



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

