

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
 Data File : BE090698.D
 Acq On : 2 Sep 2015 10:26
 Operator : UM/IZ
 Sample : G3495-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-D-B

Quant Time: Sep 02 12:20:14 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	39794	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	173288	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	107960	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	238603	5.00	ng	0.00
25) Chrysene-d12	21.07	240	310539	5.00	ng	0.00
32) Perylene-d12	23.36	264	301478	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	30351	3.92	ng	0.00
5) Phenol-d6	6.75	99	25951	2.34	ng	0.00
7) Nitrobenzene-d5	8.71	82	47430	4.14	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	27034	8.52	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	105594	3.53	ng	0.00
27) Terphenyl-d14	19.53	244	224125	6.52	ng	0.00

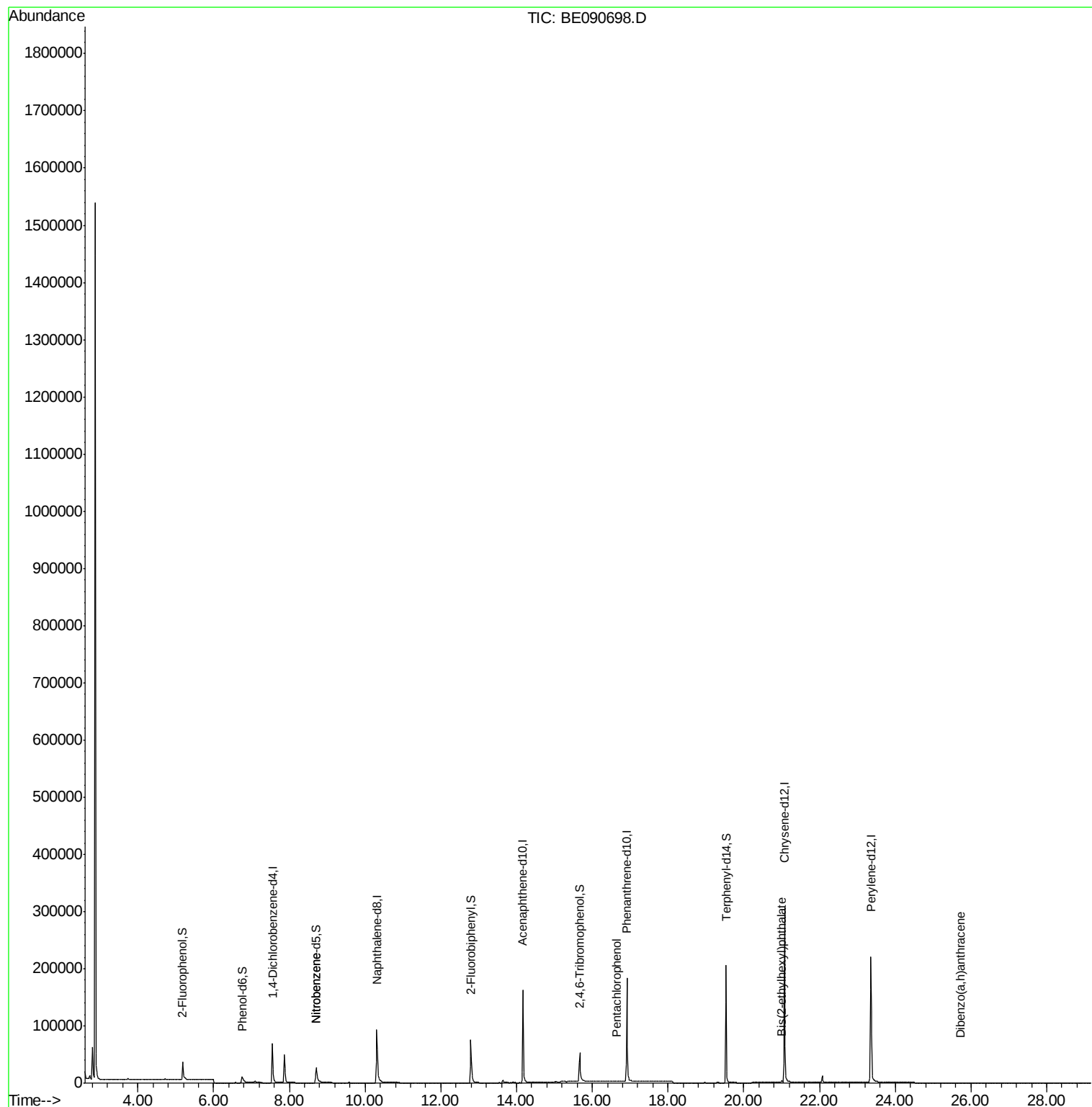
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.13	88	97	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	81	Below Cal	#	1
8) Nitrobenzene	8.71	77	194	0.12	ng	40
20) Hexachlorobenzene	16.23	284	61	Below Cal	#	37
21) Pentachlorophenol	16.63	266	37	0.47	ng	69
29) Chrysene	21.07	228	1430	Below Cal	#	77
30) Bis(2-ethylhexyl)phthalate	21.00	149	3870	0.28	ng	97
36) Dibenzo(a,h)anthracene	25.73	278	9	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. -0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

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BNA_E

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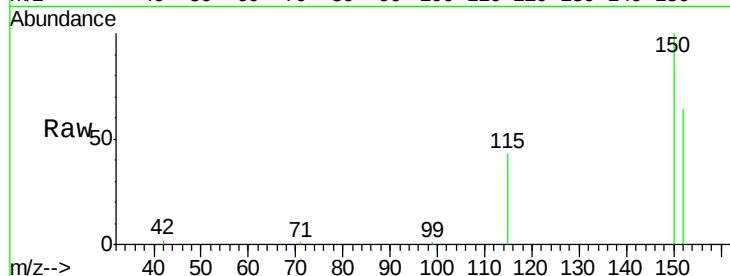
Tgt Ion:152 Resp: 39794

Ion Ratio Lower Upper

152 100

150 157.3 122.2 183.4

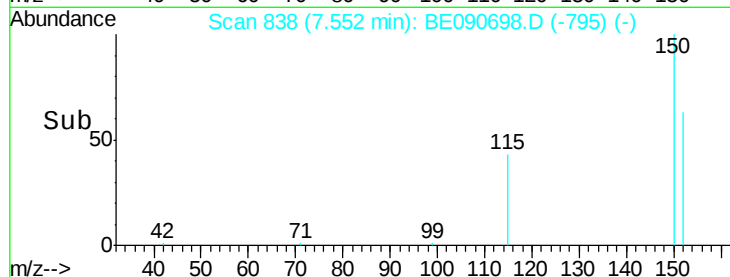
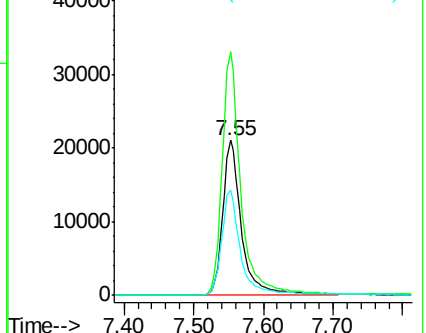
115 68.0 51.0 76.4



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: 3.13 min Scan# 79

Delta R.T. -0.03 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

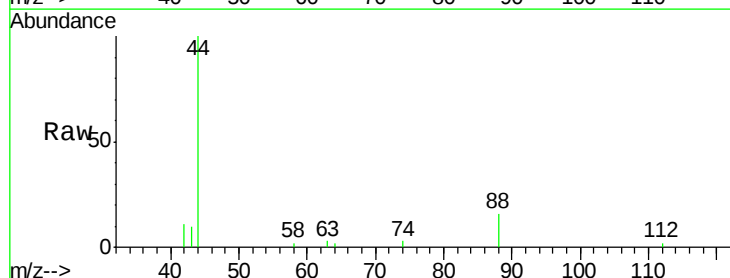
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

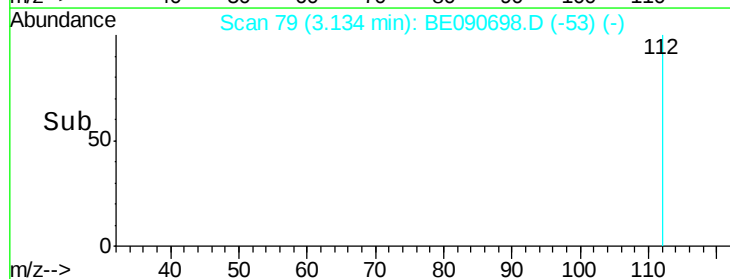
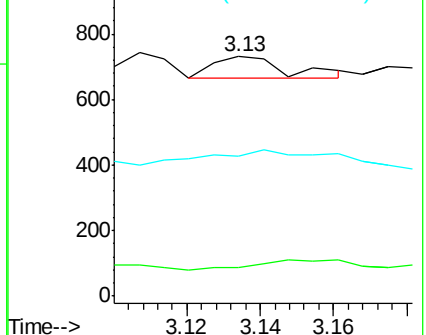
43 205.2 26.9 40.3#



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



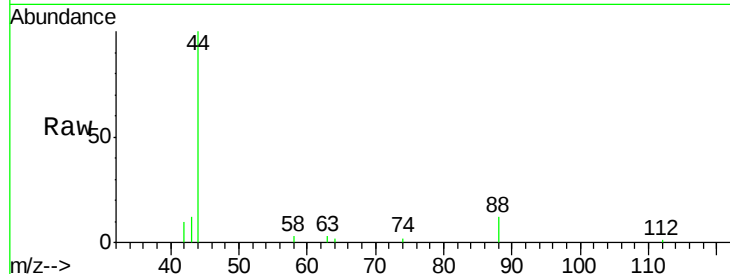


#3

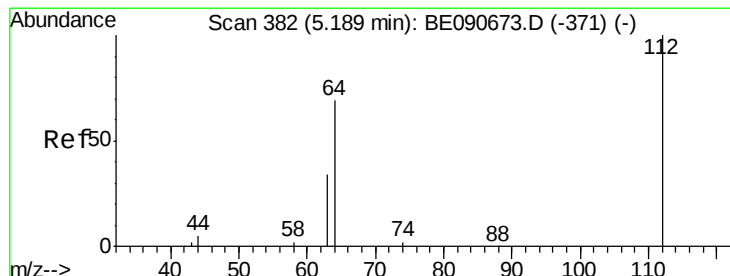
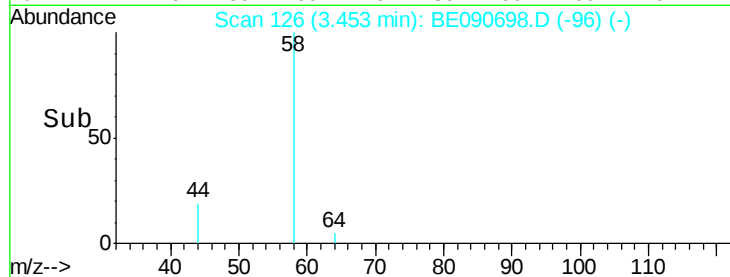
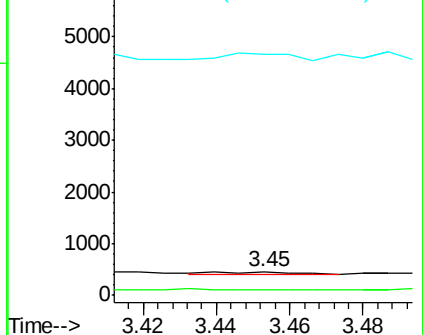
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090698.D
 Acq: 2 Sep 2015 10:26

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-D-B

Tgt Ion: 42 Resp: 81
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 202.5 10.0 15.0#



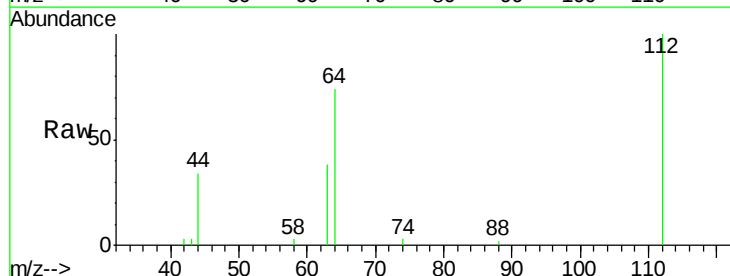
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



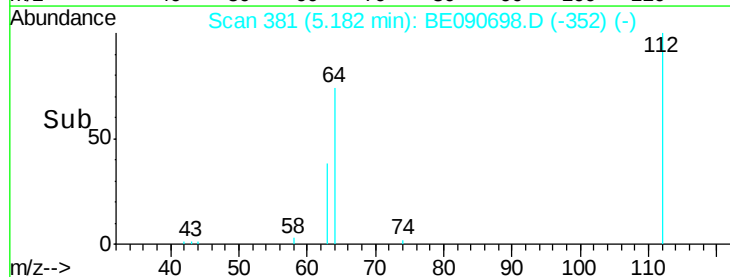
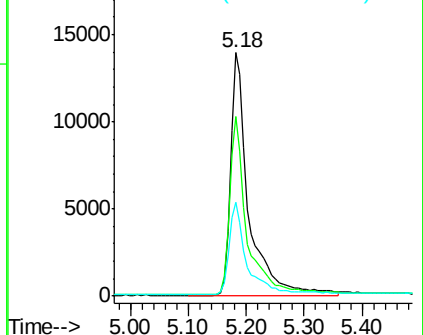
#4

2-Fluorophenol
 Concen: 3.92 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090698.D
 Acq: 2 Sep 2015 10:26

Tgt Ion: 112 Resp: 30351
 Ion Ratio Lower Upper
 112 100
 64 71.2 57.3 85.9
 63 37.5 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: 2.34 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-D-B

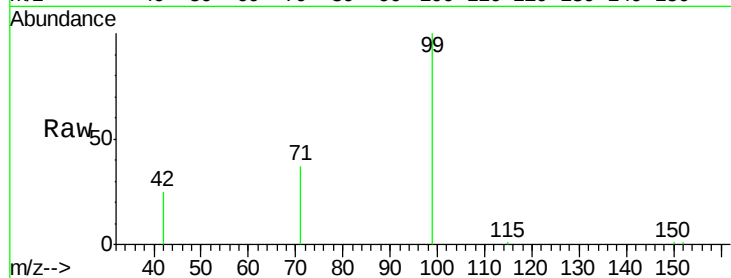
Tgt Ion: 99 Resp: 25951

Ion Ratio Lower Upper

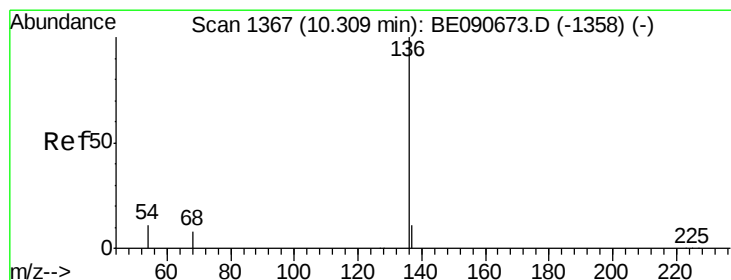
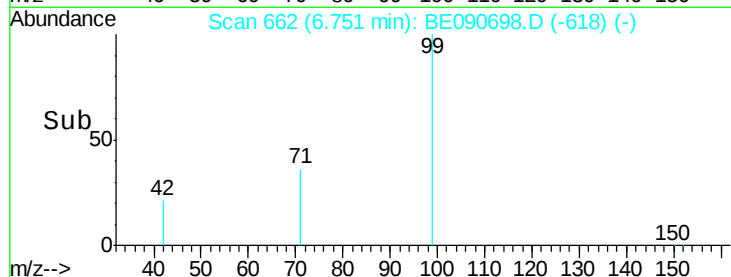
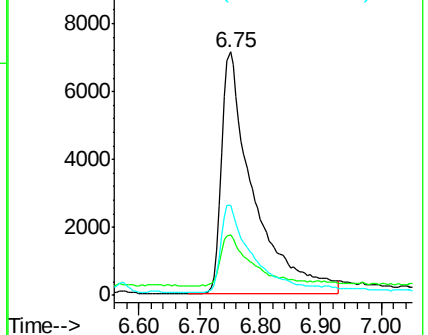
99 100

42 21.5 16.8 25.2

71 35.1 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: BE090698.D

Acq: 2 Sep 2015 10:26

Tgt Ion: 136 Resp: 173288

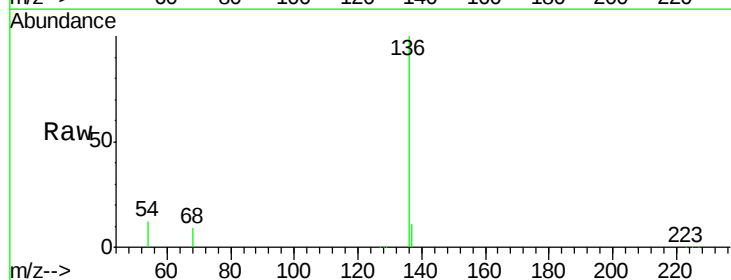
Ion Ratio Lower Upper

136 100

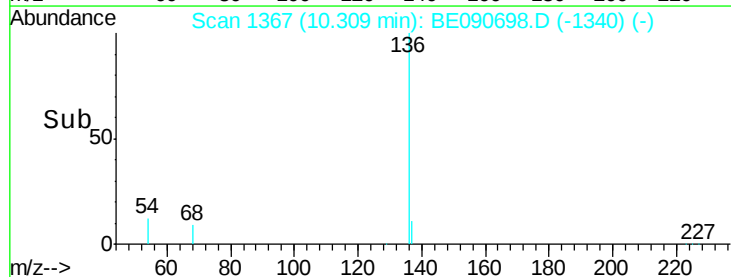
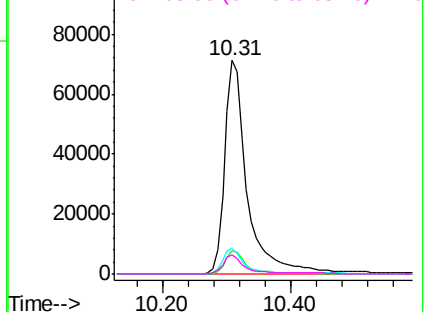
137 11.0 8.7 13.1

54 12.1 9.0 13.6

68 8.8 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: 4.14 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-D-B

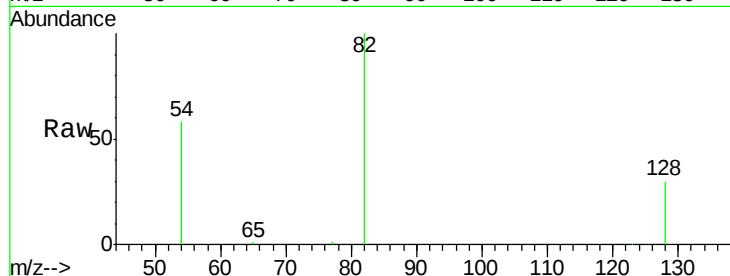
Tgt Ion: 82 Resp: 47430

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

54 57.8 46.3 69.5

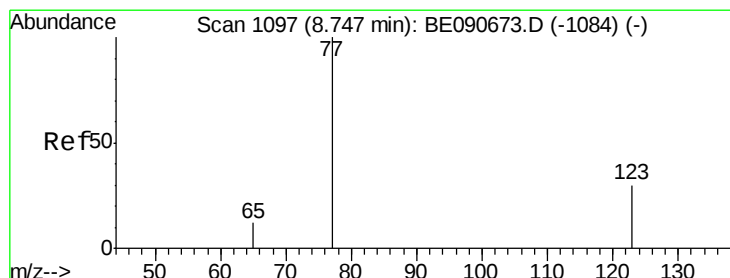
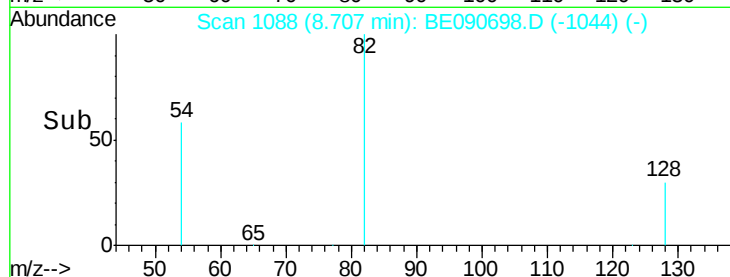


Abundance Ion 82.00 (81.70 to 82.70): BE090673.D (-1078) (-)

Ion 128.00 (127.70 to 128.70): BE090673.D (-1078) (-)

Ion 54.00 (53.70 to 54.70): BE090673.D (-1078) (-)

Time-->



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

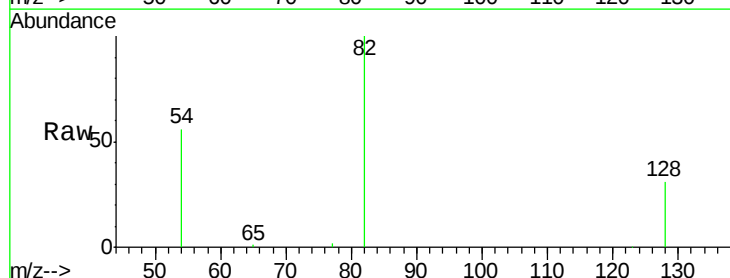
Tgt Ion: 77 Resp: 194

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 38.7 9.9 14.9#

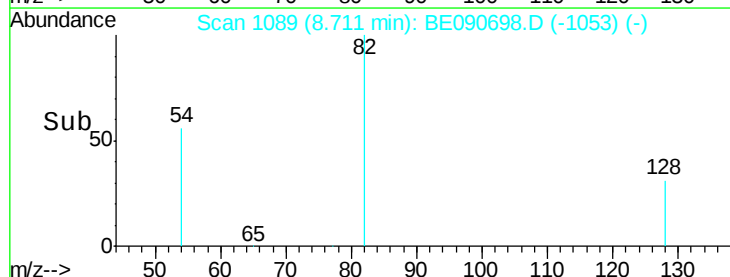


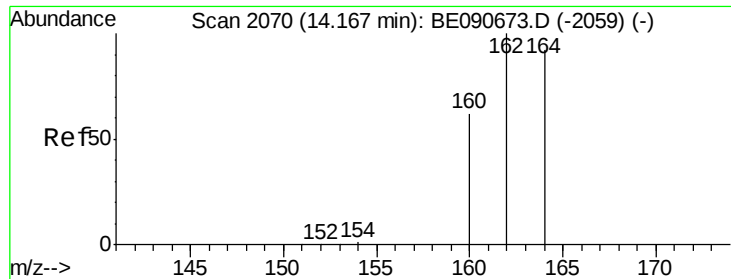
Abundance Ion 77.00 (76.70 to 77.70): BE090673.D (-1084) (-)

Ion 123.00 (122.70 to 123.70): BE090673.D (-1084) (-)

Ion 65.00 (64.70 to 65.70): BE090673.D (-1084) (-)

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2071

Delta R.T. 0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

Instrument :

BNA_E

ClientSampleId :

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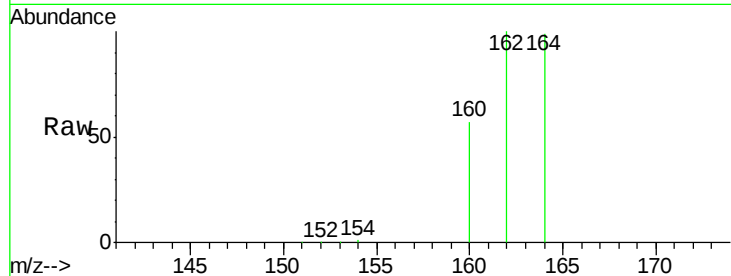
Tgt Ion:164 Resp: 107960

Ion Ratio Lower Upper

164 100

162 100.7 86.8 130.2

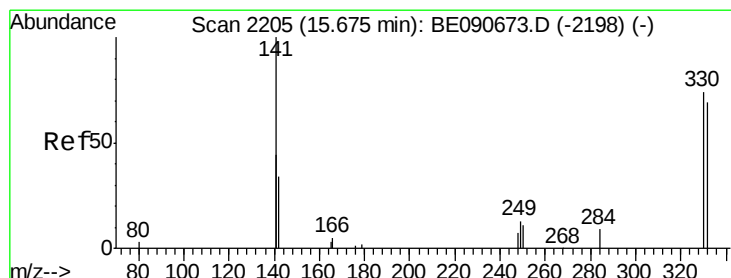
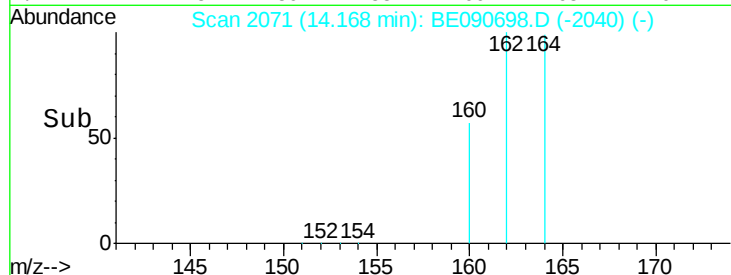
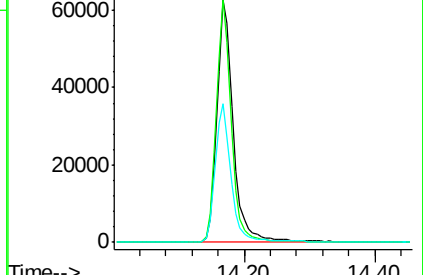
160 57.3 53.9 80.9



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: 8.52 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

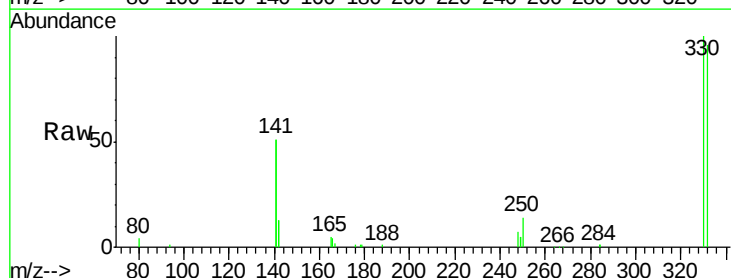
Tgt Ion:330 Resp: 27034

Ion Ratio Lower Upper

330 100

332 98.2 74.9 112.3

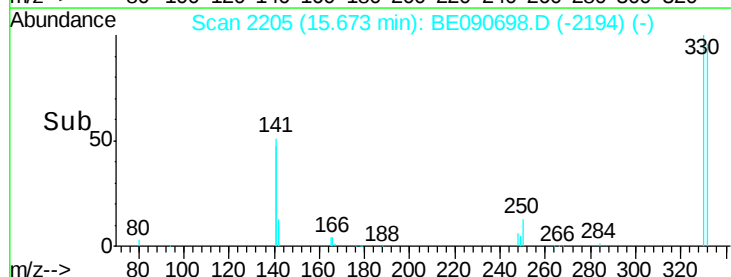
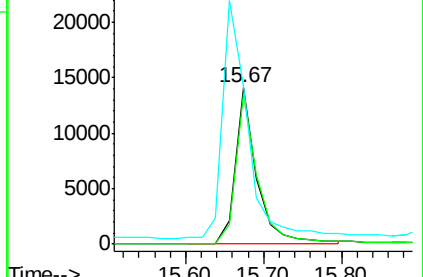
141 176.9 145.2 217.8

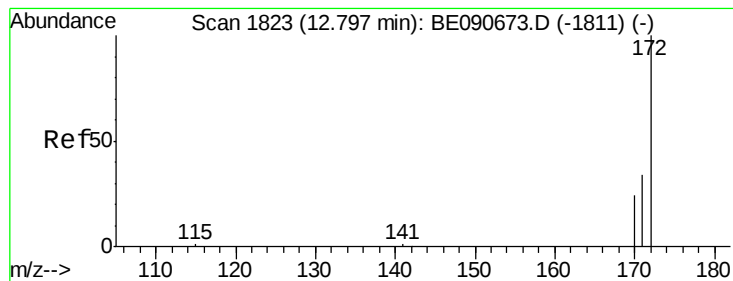


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.53 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

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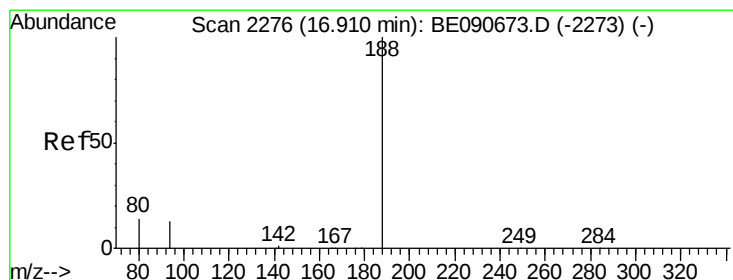
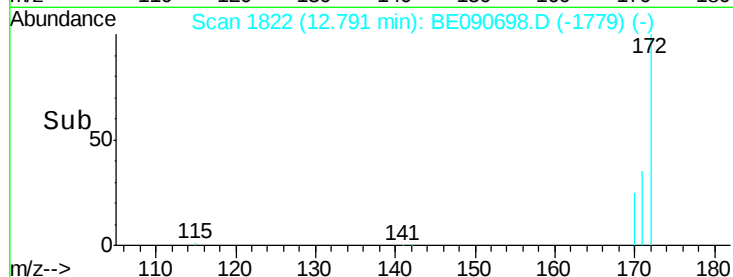
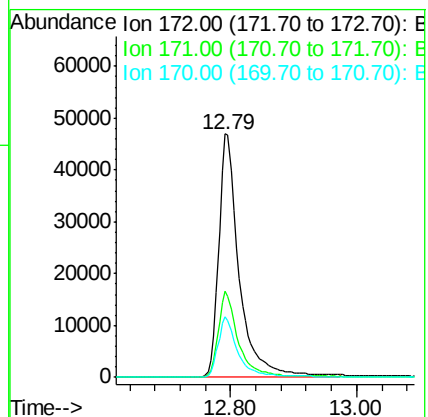
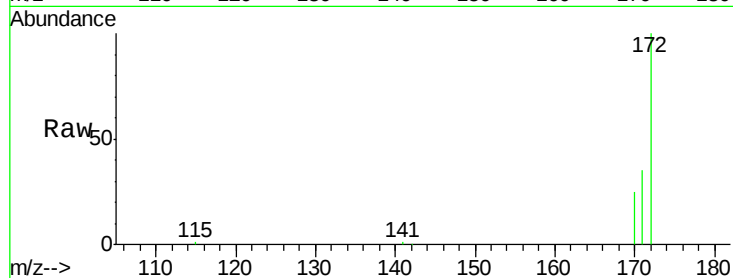
Tgt Ion:172 Resp: 105594

Ion Ratio Lower Upper

172 100

171 35.3 27.8 41.8

170 25.0 19.8 29.6



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

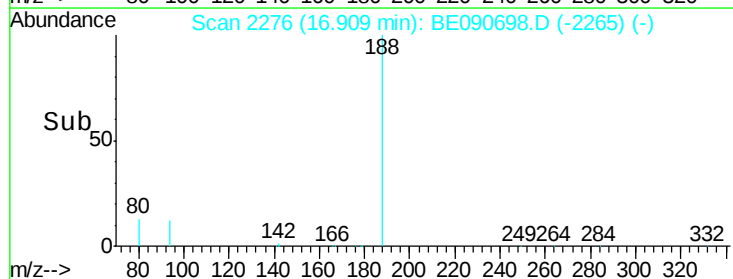
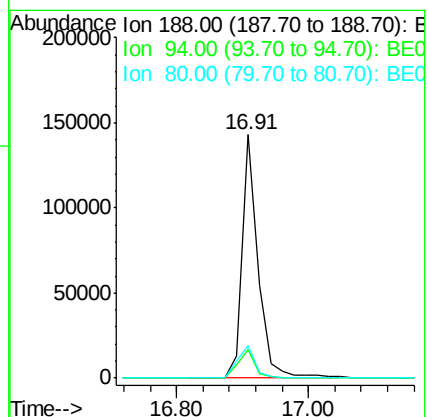
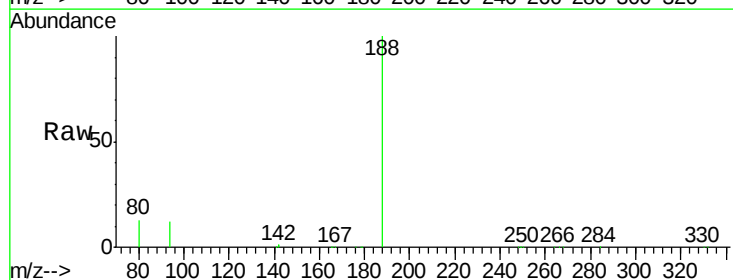
Tgt Ion:188 Resp: 238603

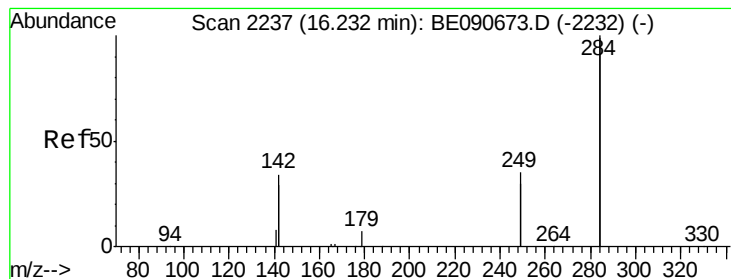
Ion Ratio Lower Upper

188 100

94 11.9 10.3 15.5

80 13.1 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. -0.00 min

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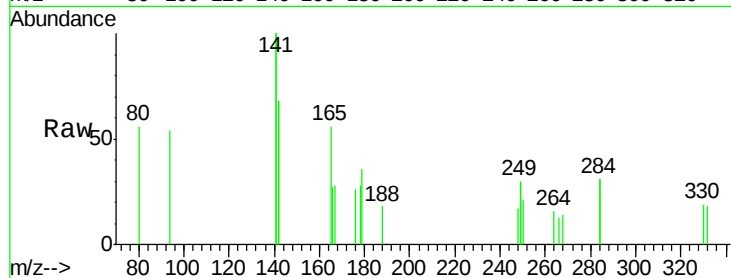
Tgt Ion:284 Resp: 61

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

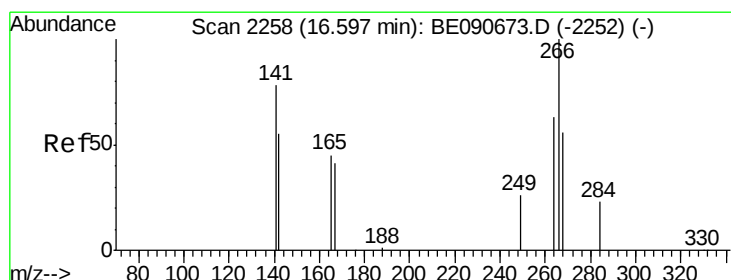
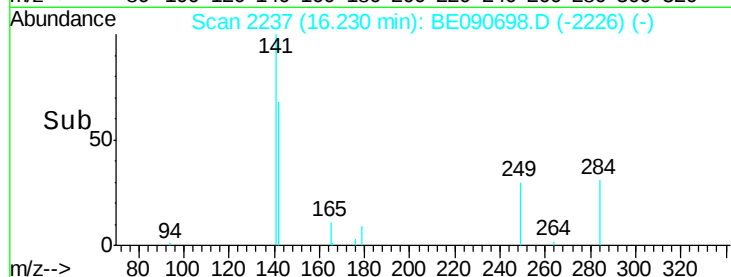
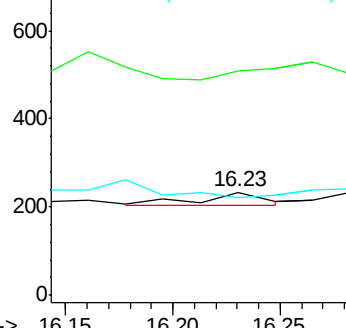
249 0.0 25.5 38.3#



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: 16.63 min Scan# 2260

Delta R.T. 0.03 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

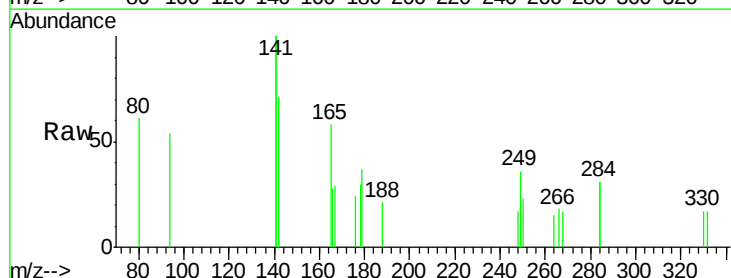
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

268 95.2 49.6 74.4#

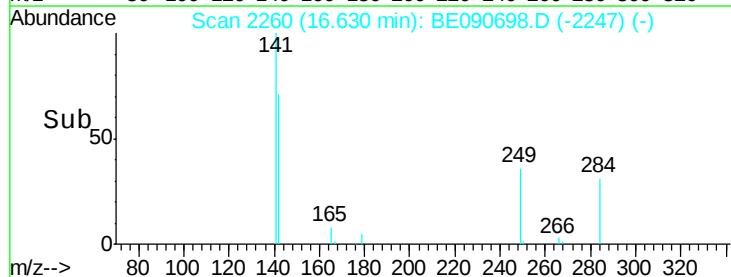
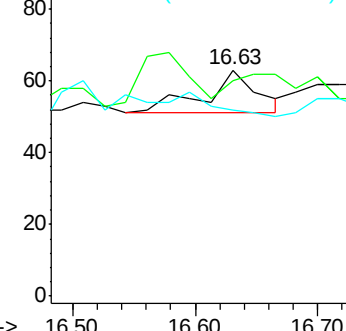
264 82.5 53.9 80.9#



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# 2862

Delta R.T. 0.00 min

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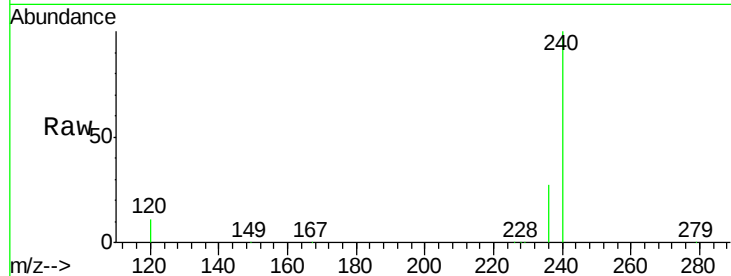
Tgt Ion:240 Resp: 310539

Ion Ratio Lower Upper

240 100

120 11.0 10.1 15.1

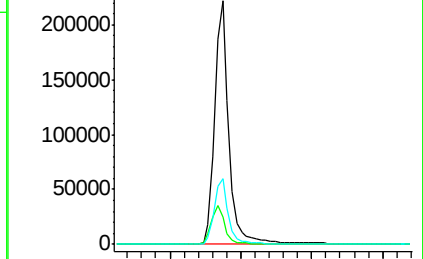
236 26.9 21.9 32.9



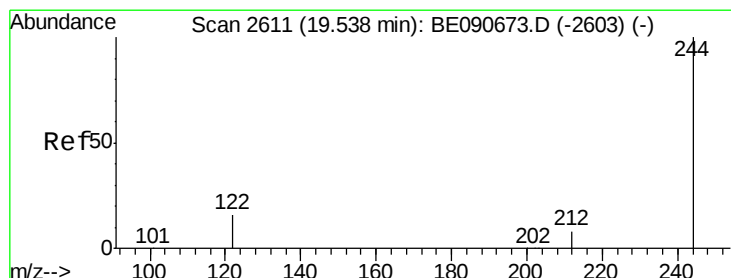
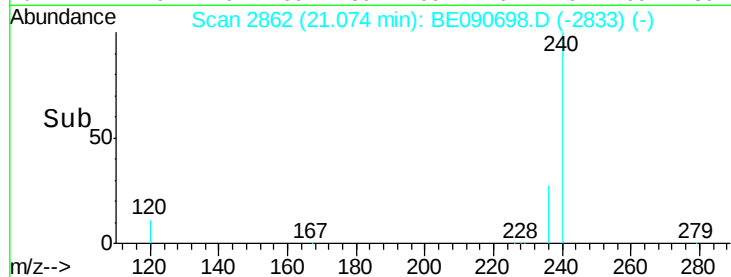
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#27

Terphenyl-d14

Concen: 6.52 ng

RT: 19.53 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

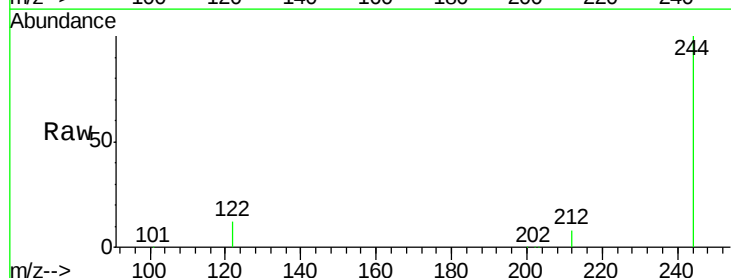
Tgt Ion:244 Resp: 224125

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

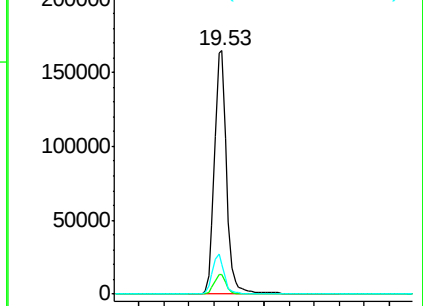
122 12.1 12.9 19.3#



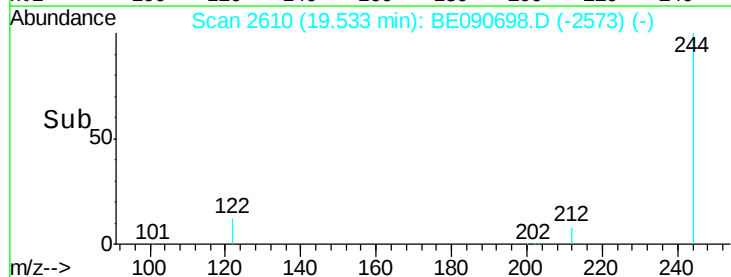
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2861

Delta R.T. -0.04 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

Instrument :

BNA_E

ClientSampleId :

082815-D534-F-D-B

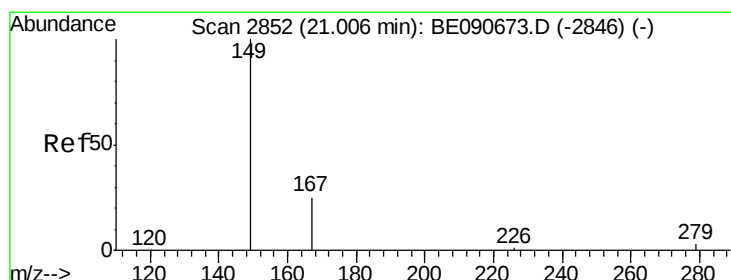
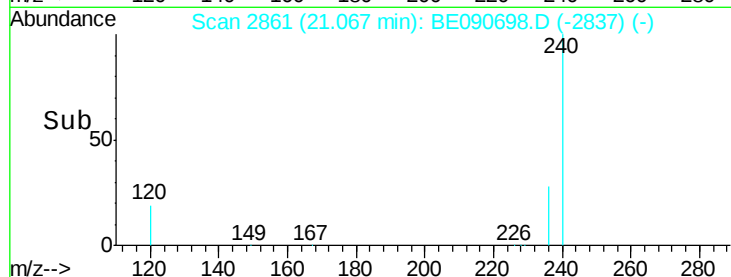
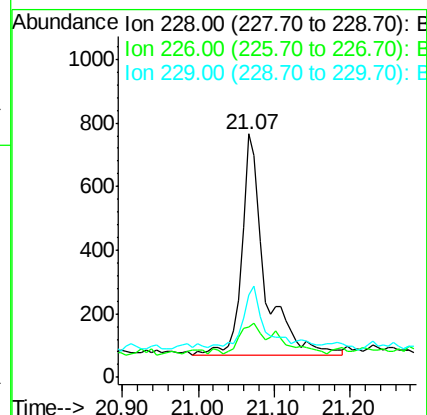
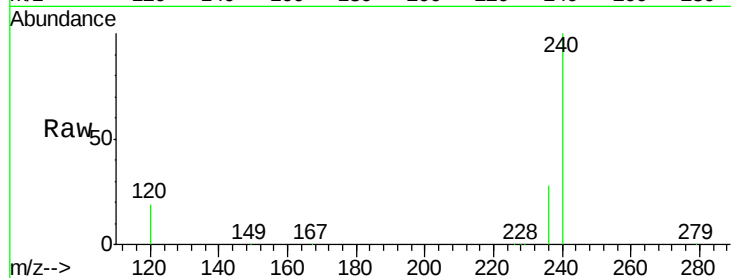
Tgt Ion:228 Resp: 1430

Ion Ratio Lower Upper

228 100

226 20.9 24.2 36.4#

229 33.7 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090698.D

Acq: 2 Sep 2015 10:26

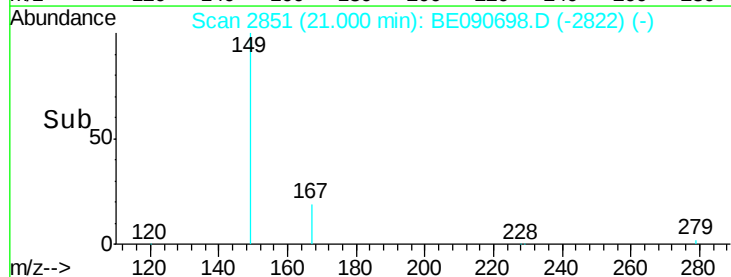
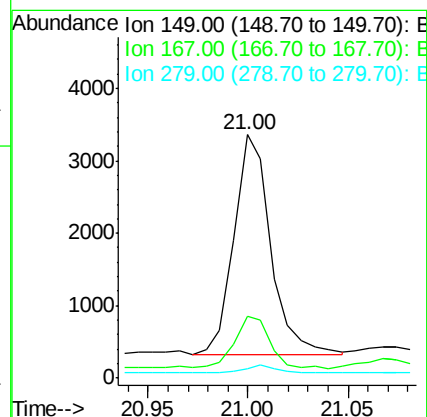
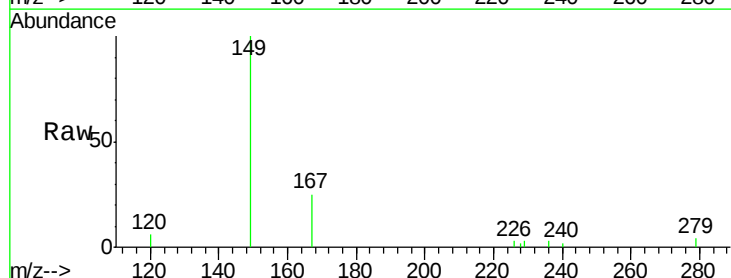
Tgt Ion:149 Resp: 3870

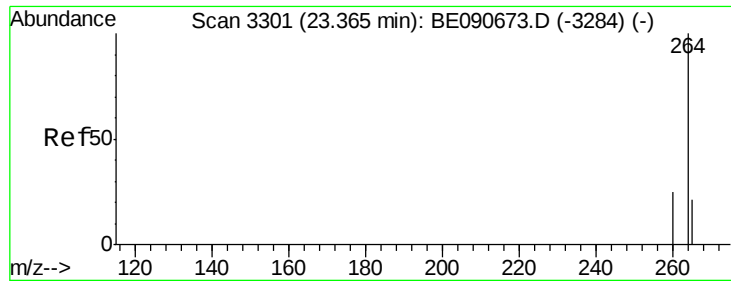
Ion Ratio Lower Upper

149 100

167 23.2 20.1 30.1

279 2.9 2.3 3.5

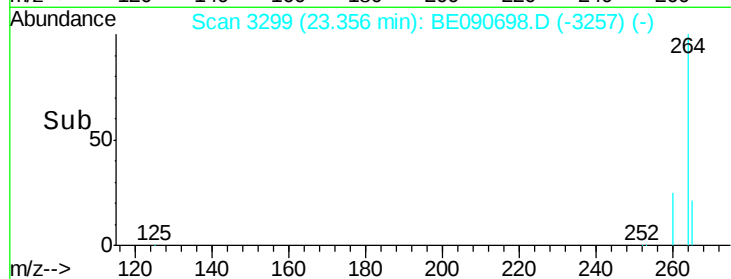
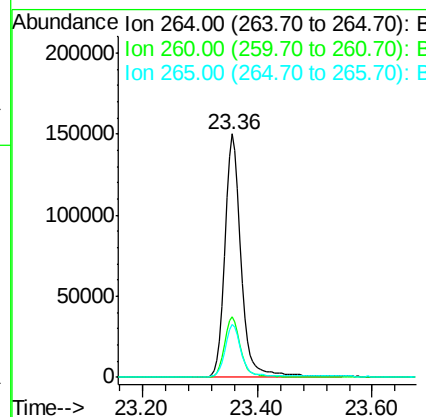




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3299
 Delta R.T. -0.01 min
 Lab File: BE090698.D
 Acq: 2 Sep 2015 10:26

Instrument :
 BNA_E
 ClientSampleId :
 082815-D534-F-D-B

Tgt Ion: 264 Resp: 301478
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.7 29.5
 265 21.6 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.73 min Scan# 3817
 Delta R.T. -0.02 min
 Lab File: BE090698.D
 Acq: 2 Sep 2015 10:26

Tgt Ion: 278 Resp: 9
 Ion Ratio Lower Upper
 278 100
 139 190.0 15.4 23.0#
 279 132.9 18.8 28.2#

