

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090415\
 Data File : BE090735.D
 Acq On : 4 Sep 2015 18:28
 Operator : UM/IZ
 Sample : G3562-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 090215-D534-F-U-S

Quant Time: Sep 07 01:00:24 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	35963	5.00	ng	0.00
6) Naphthalene-d8	10.32	136	158198	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	86882	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	221240	5.00	ng	0.00
25) Chrysene-d12	21.07	240	286932	5.00	ng	0.00
32) Perylene-d12	23.36	264	271647	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	15948	2.29	ng	0.00
5) Phenol-d6	6.76	99	12220	1.22	ng	0.00
7) Nitrobenzene-d5	8.72	82	24791	2.37	ng	0.01
13) 2,4,6-Tribromophenol	15.67	330	14571	5.76	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	58454	2.43	ng	0.00
27) Terphenyl-d14	19.53	244	131953	4.16	ng	0.00

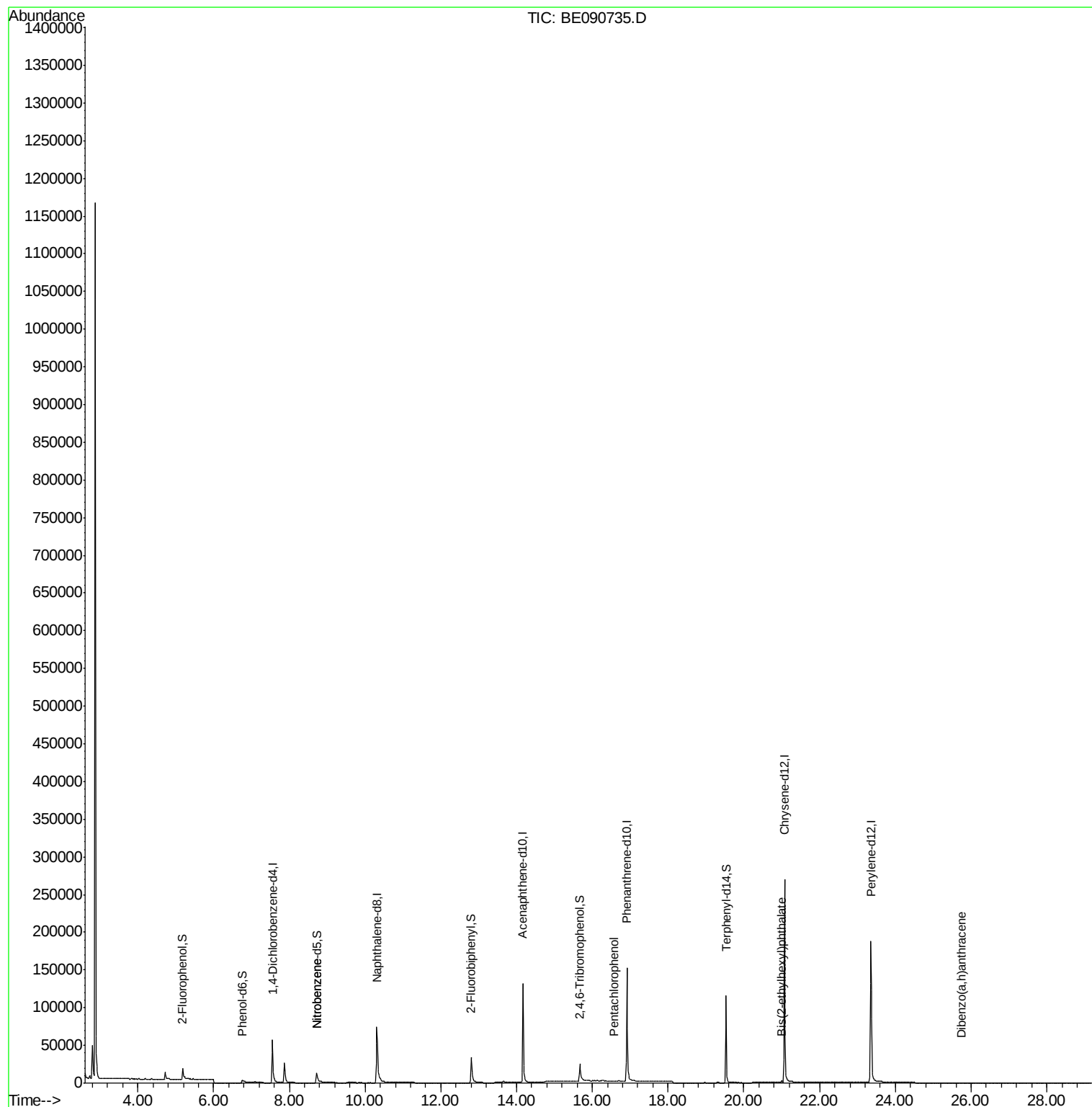
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	184	Below Cal	#	1
3) n-Nitrosodimethylamine	3.45	42	50	Below Cal	#	1
8) Nitrobenzene	8.72	77	103	0.12	ng	59
20) Hexachlorobenzene	16.21	284	19	Below Cal	#	1
21) Pentachlorophenol	16.58	266	38	0.47	ng	73
29) Chrysene	21.11	228	509	Below Cal	#	71
30) Bis(2-ethylhexyl)phthalate	21.00	149	2380	0.21	ng	100
36) Dibenzo(a,h)anthracene	25.75	278	104	0.14	ng	1

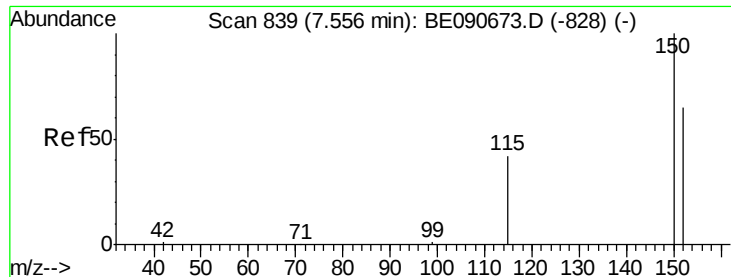
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015
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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: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

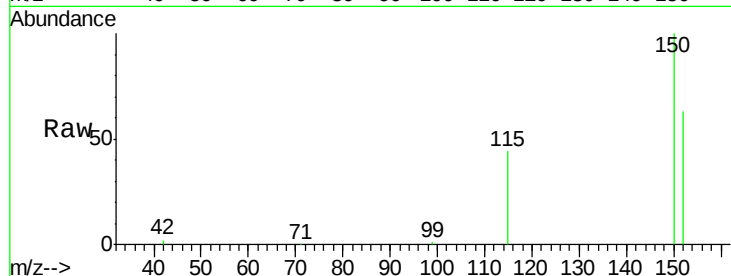
Tgt Ion: 152 Resp: 35963

Ion Ratio Lower Upper

152 100

150 158.9 122.2 183.4

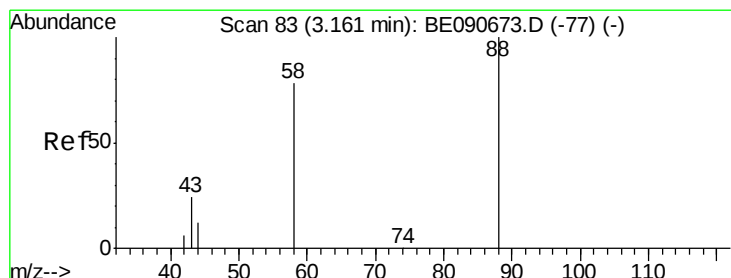
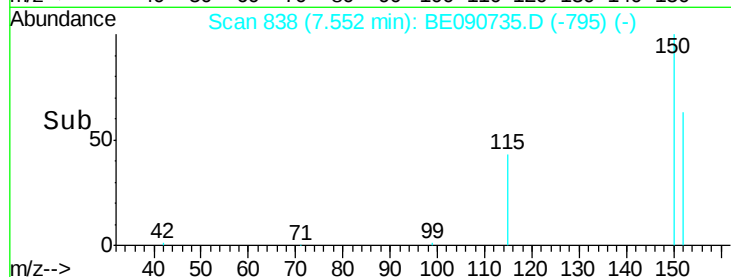
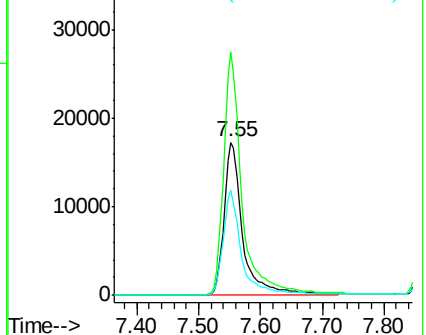
115 69.2 51.0 76.4



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: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

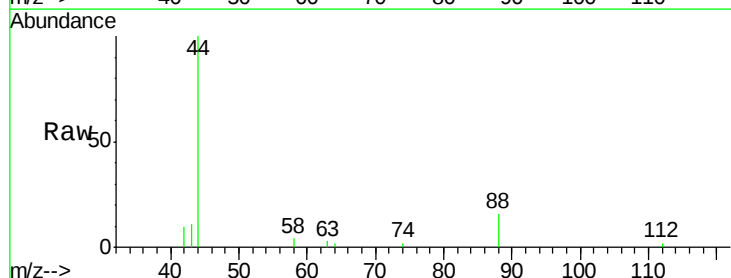
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

58 27.2 68.4 102.6#

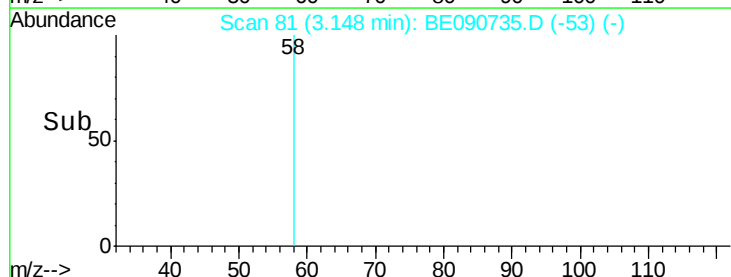
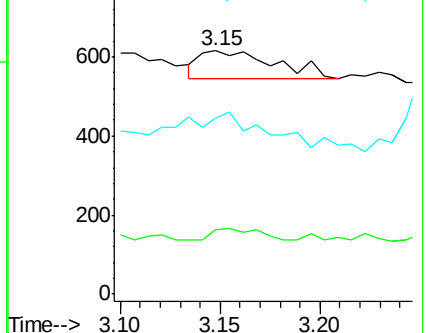
43 173.9 26.9 40.3#

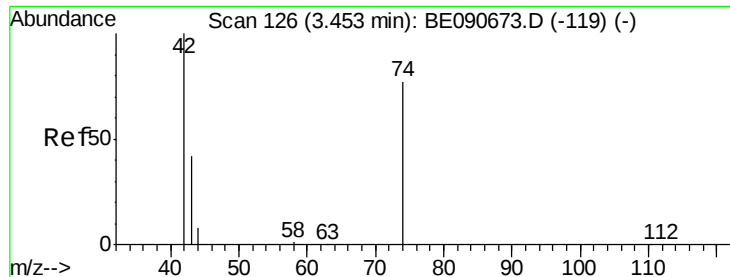


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



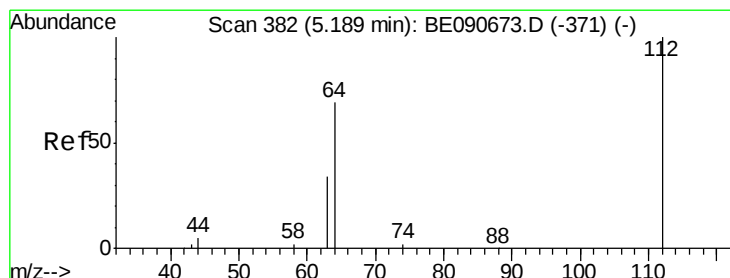
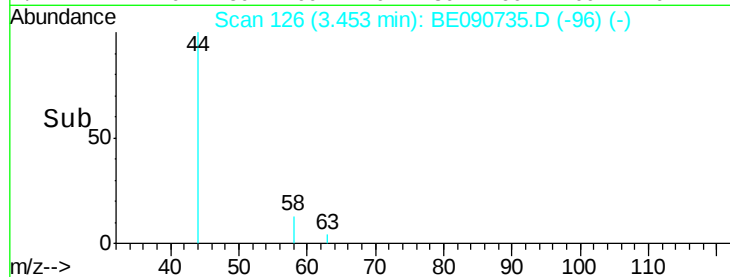
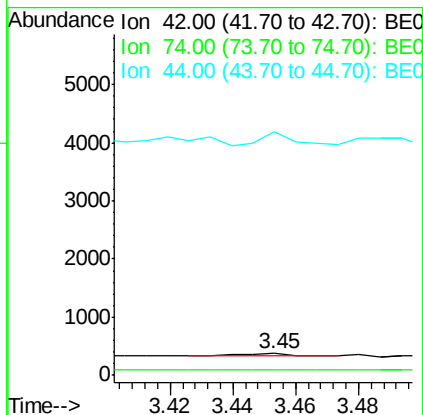
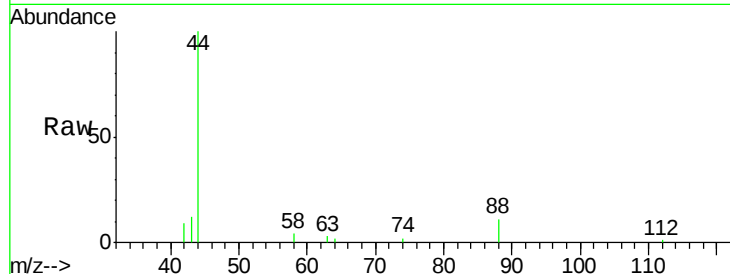


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.45 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: BE090735.D
 Acq: 4 Sep 2015 18:28

Instrument :
 BNA_E
 ClientSampleId :
 090215-D534-F-U-S

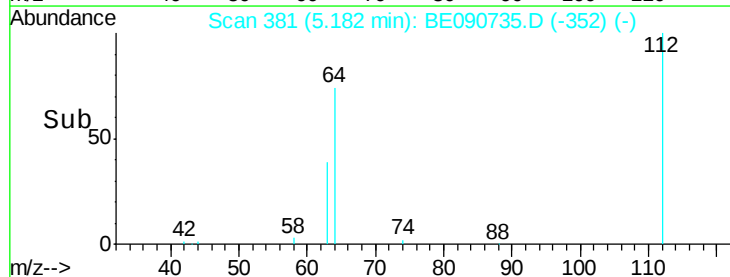
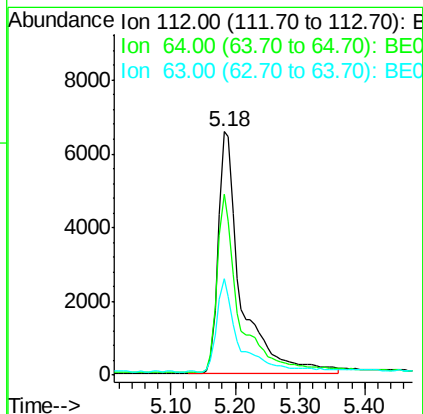
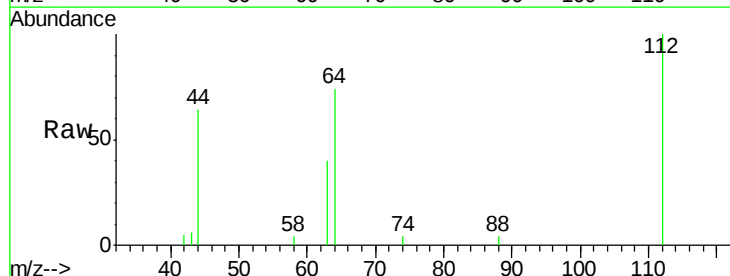
Tgt Ion: 42 Resp: 50
 Ion Ratio Lower Upper
 42 100
 74 48.0 83.7 125.5#
 44 390.0 10.0 15.0#

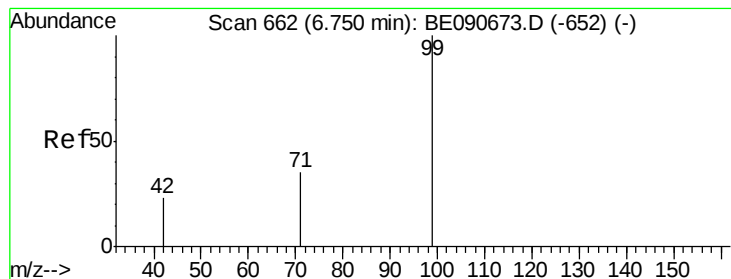


#4

2-Fluorophenol
 Concen: 2.29 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090735.D
 Acq: 4 Sep 2015 18:28

Tgt Ion: 112 Resp: 15948
 Ion Ratio Lower Upper
 112 100
 64 71.6 57.3 85.9
 63 34.9 29.2 43.8





#5

Phenol-d6

Concen: 1.22 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

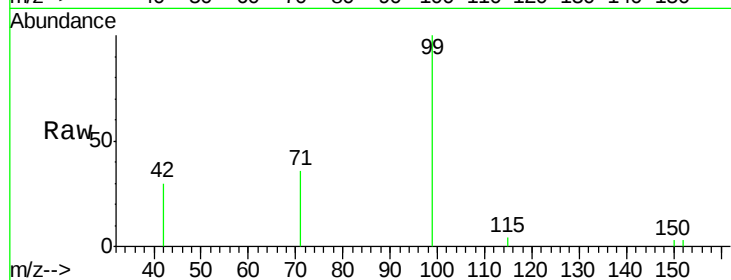
Tgt Ion: 99 Resp: 12220

Ion Ratio Lower Upper

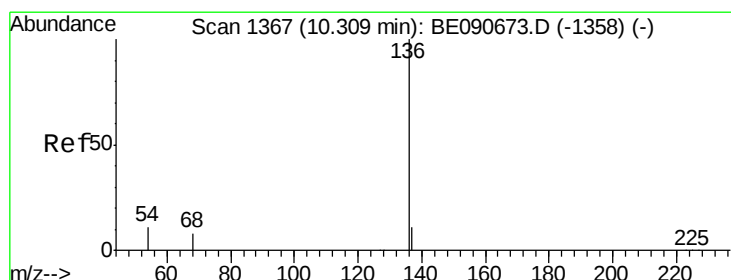
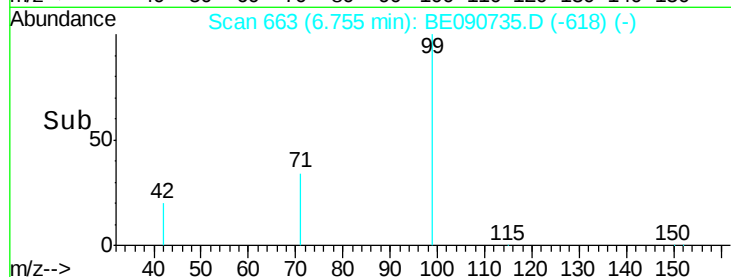
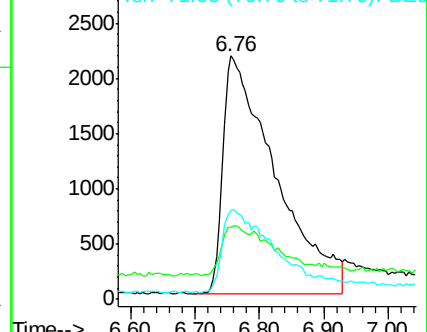
99 100

42 9.7 16.8 25.2#

71 33.7 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: 10.32 min Scan# 1368

Delta R.T. 0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Tgt Ion: 136 Resp: 158198

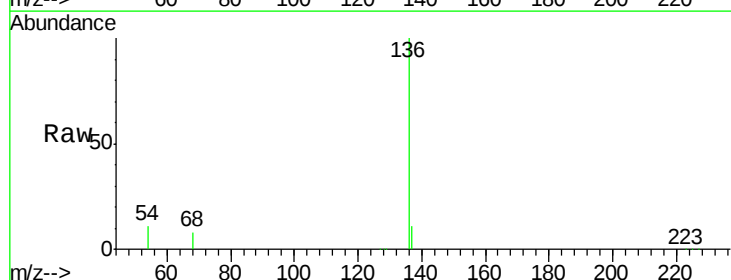
Ion Ratio Lower Upper

136 100

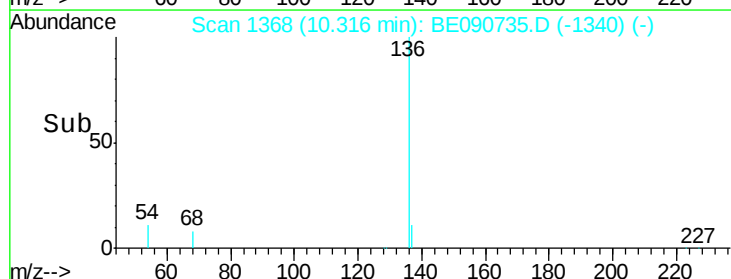
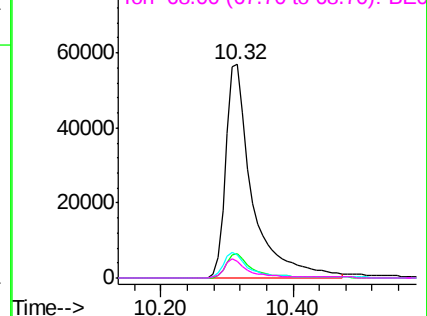
137 11.2 8.7 13.1

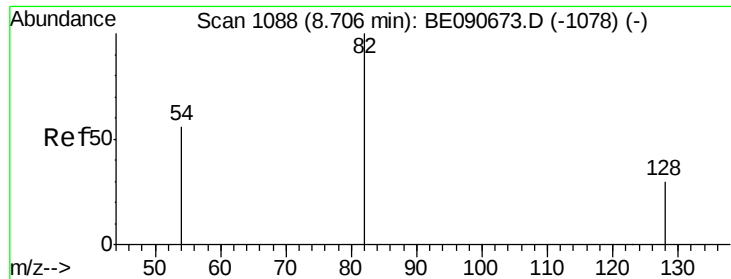
54 10.8 9.0 13.6

68 8.0 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: 2.37 ng

RT: 8.72 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

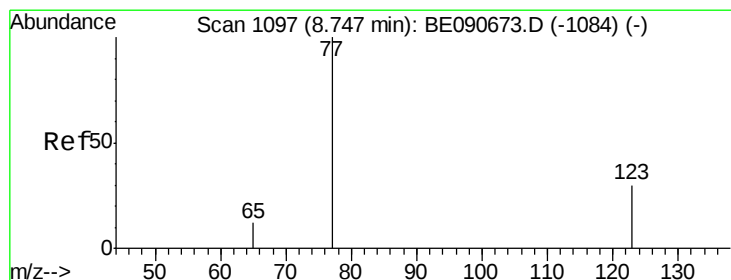
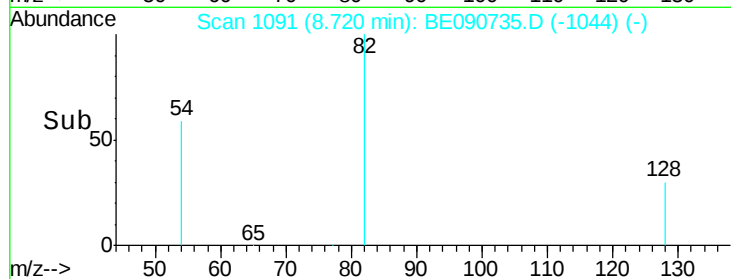
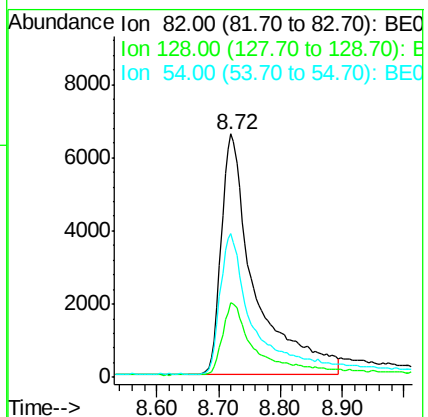
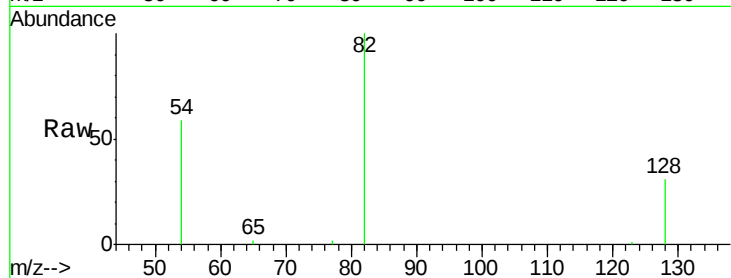
Tgt Ion: 82 Resp: 24791

Ion Ratio Lower Upper

82 100

128 30.8 25.0 37.4

54 59.1 46.3 69.5



#8

Nitrobenzene

Concen: 0.12 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

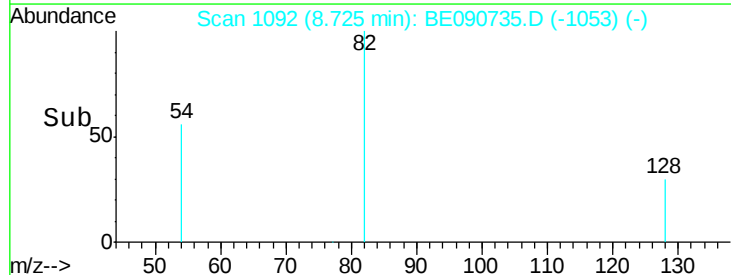
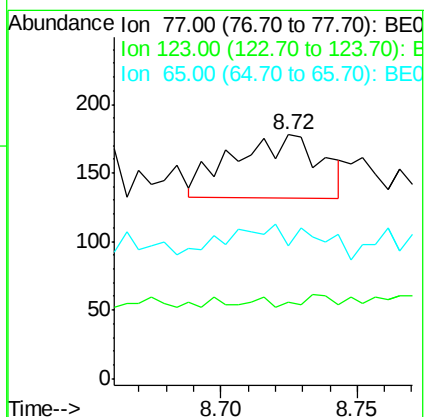
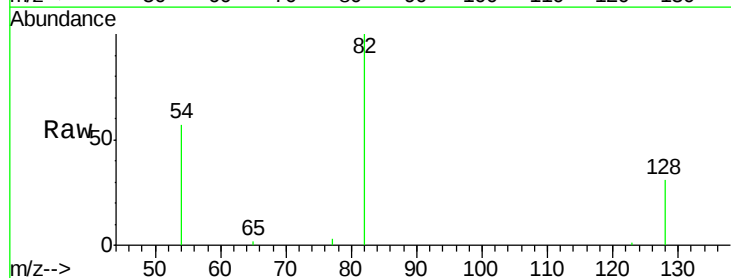
Tgt Ion: 77 Resp: 103

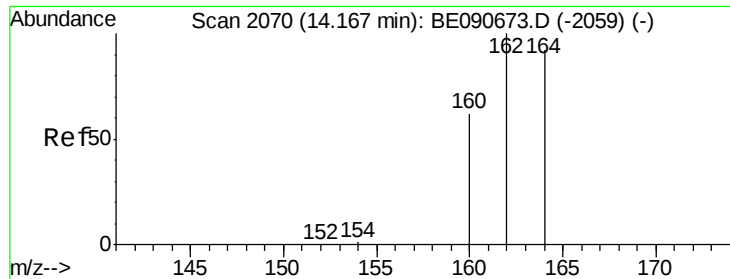
Ion Ratio Lower Upper

77 100

123 6.8 25.1 37.7#

65 0.0 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

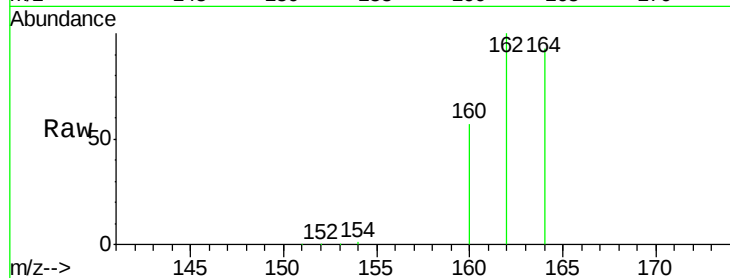
Tgt Ion:164 Resp: 86882

Ion Ratio Lower Upper

164 100

162 107.5 86.8 130.2

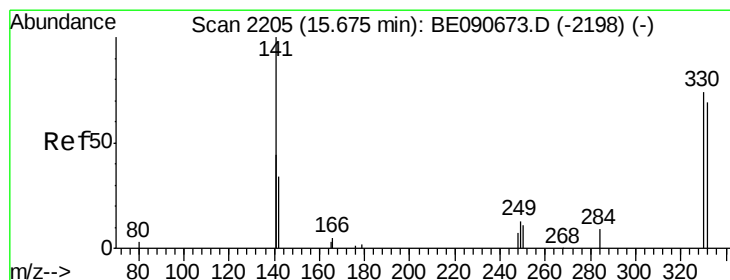
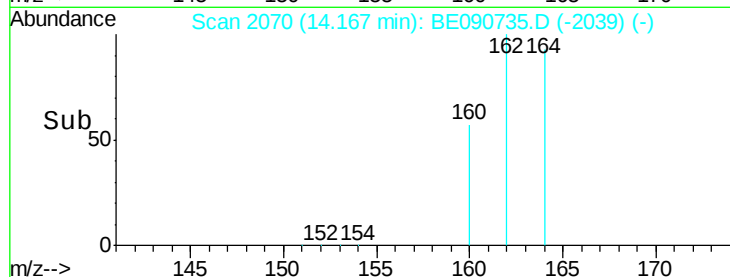
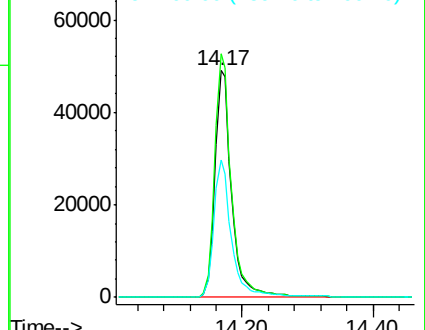
160 60.8 53.9 80.9



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: 5.76 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

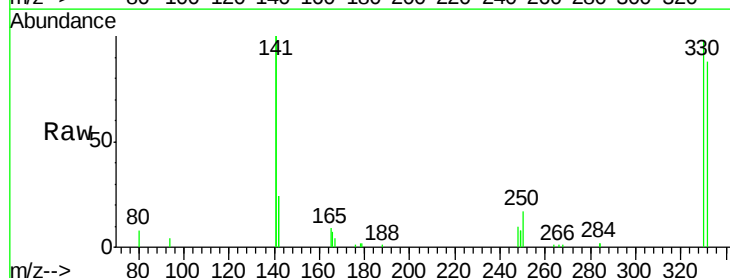
Tgt Ion:330 Resp: 14571

Ion Ratio Lower Upper

330 100

332 96.0 74.9 112.3

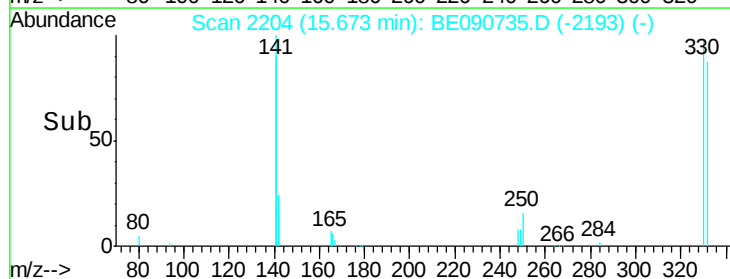
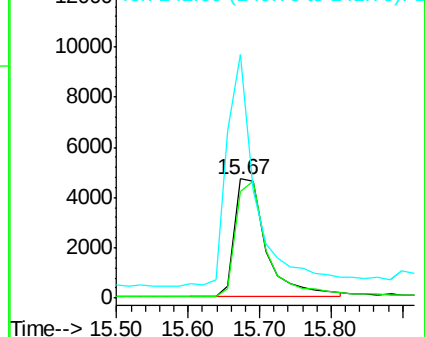
141 179.8 145.2 217.8

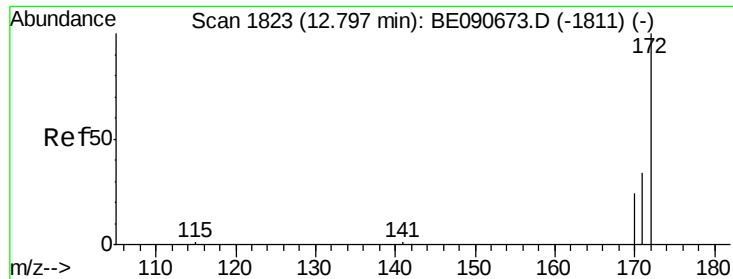


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

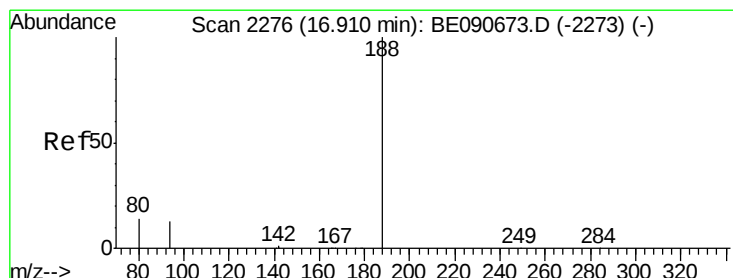
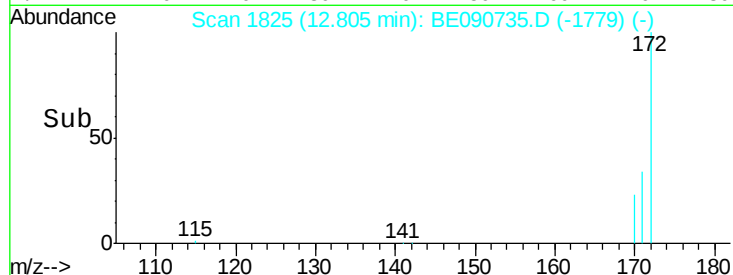
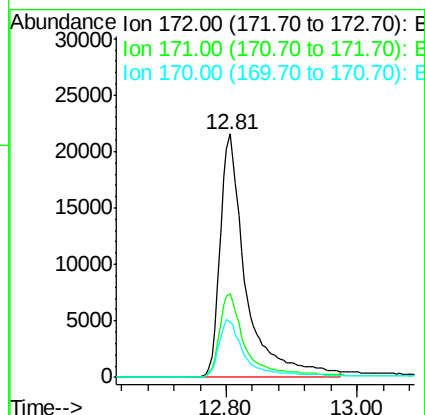
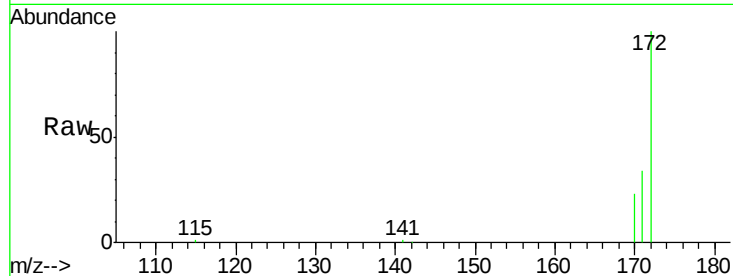




#14
2-Fluorobiphenyl
Concen: 2.43 ng
RT: 12.81 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BE090735.D
Acq: 4 Sep 2015 18:28

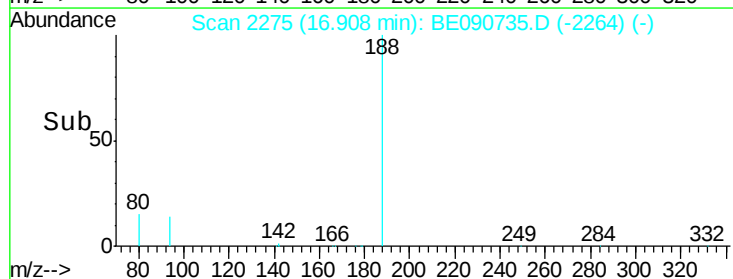
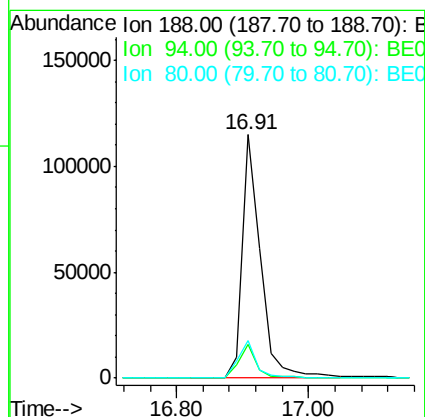
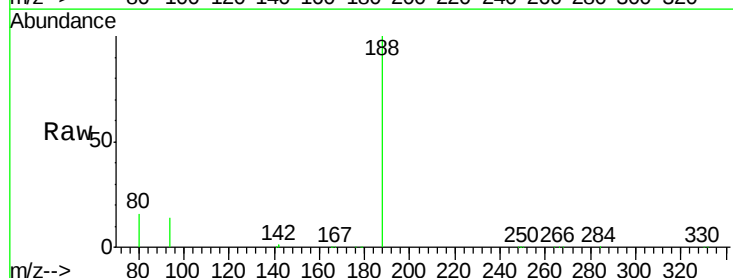
Instrument :
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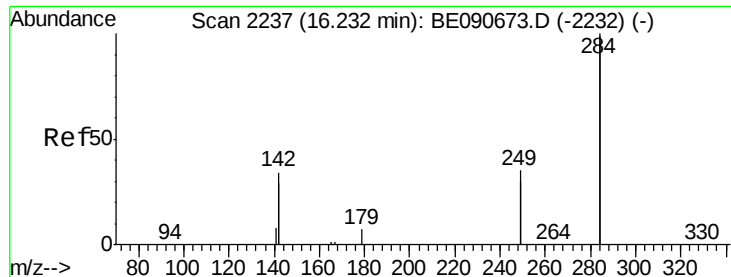
Tgt Ion:172 Resp: 58454
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 22.9 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090735.D
Acq: 4 Sep 2015 18:28

Tgt Ion:188 Resp: 221240
Ion Ratio Lower Upper
188 100
94 13.9 10.3 15.5
80 15.5 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

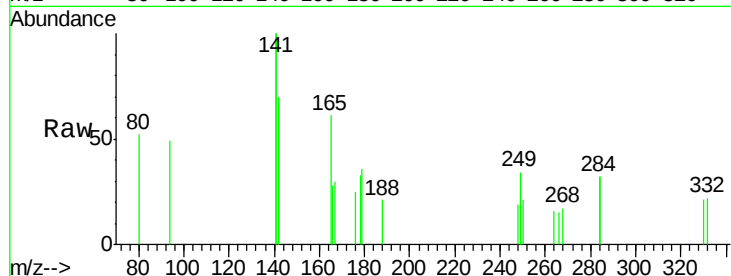
Tgt Ion:284 Resp: 19

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

249 626.3 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

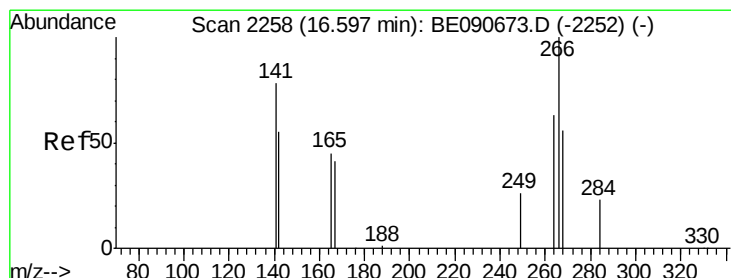
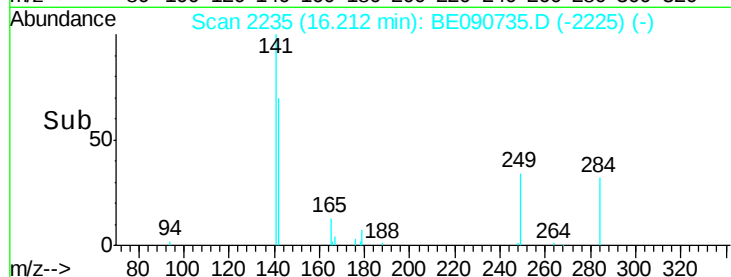
600

400

200

0

Time-->



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

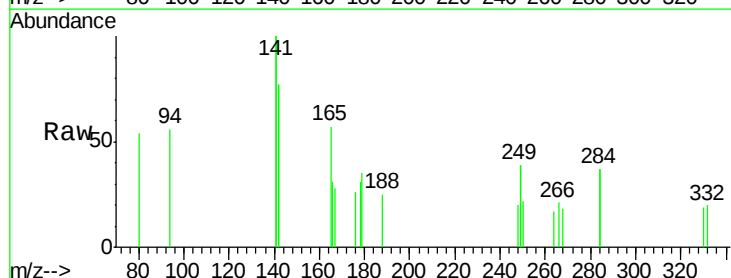
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

268 88.7 49.6 74.4#

264 83.9 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

80

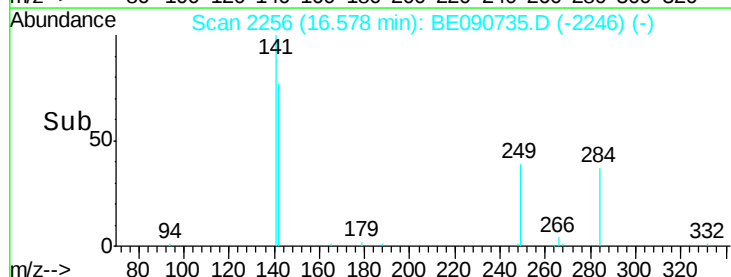
60

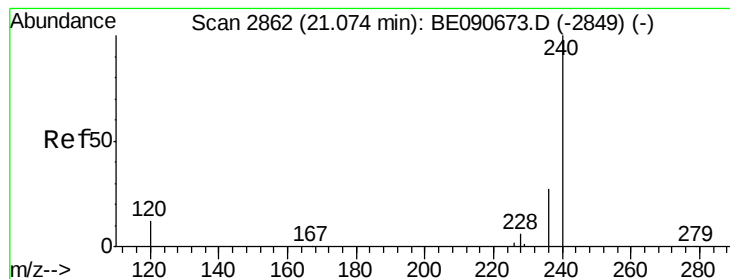
40

20

0

Time-->





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

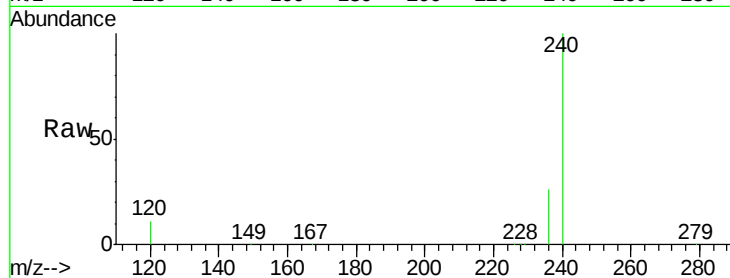
Tgt Ion:240 Resp: 286932

Ion Ratio Lower Upper

240 100

120 11.3 10.1 15.1

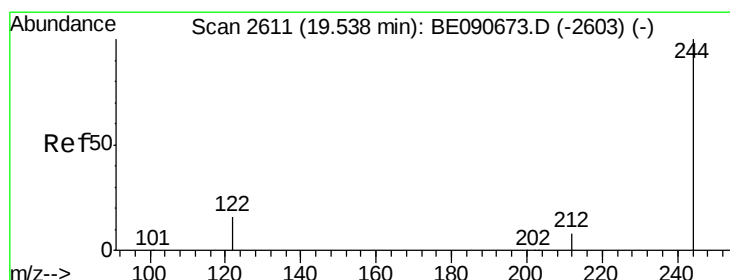
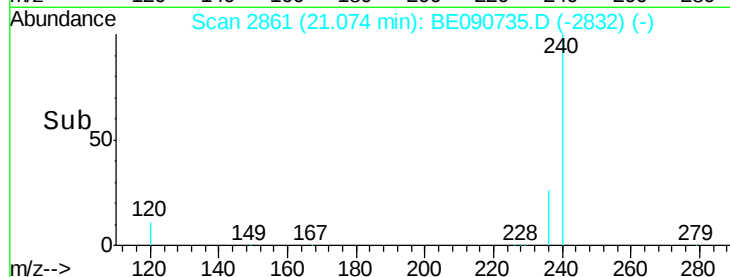
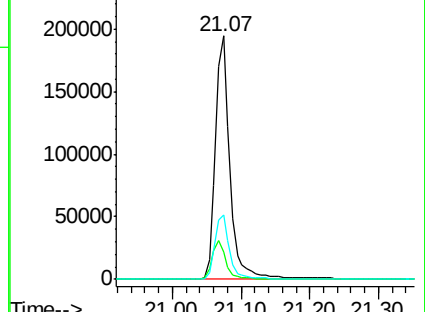
236 26.4 21.9 32.9



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: 4.16 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

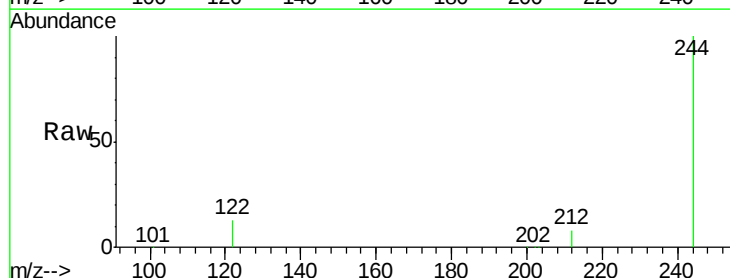
Tgt Ion:244 Resp: 131953

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

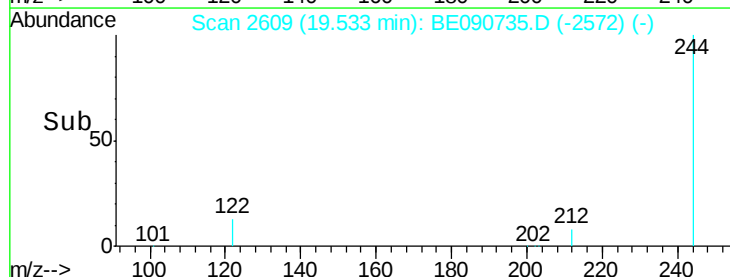
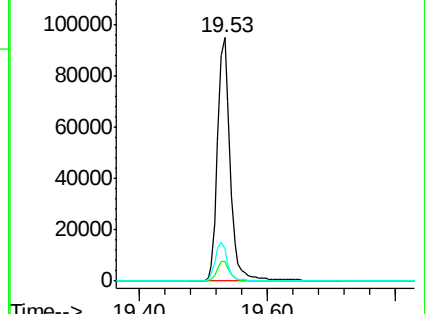
122 13.2 12.9 19.3

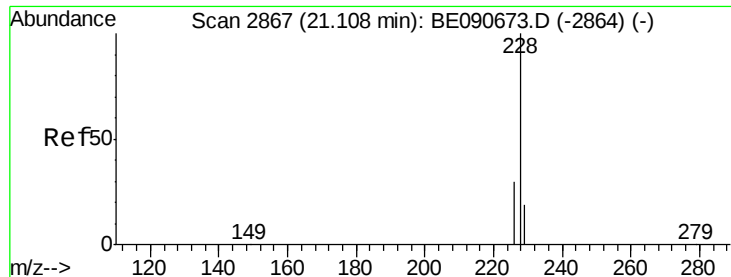


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

Instrument :

BNA_E

ClientSampleId :

090215-D534-F-U-S

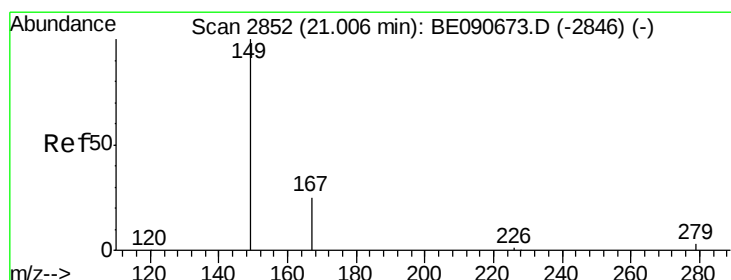
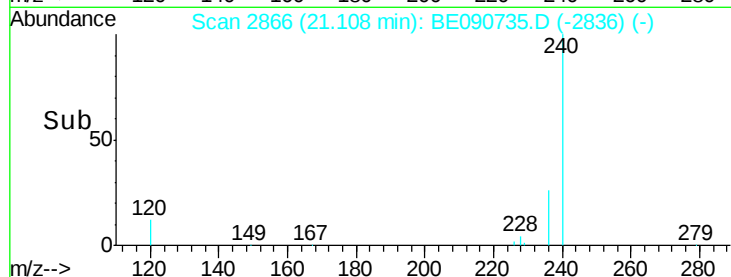
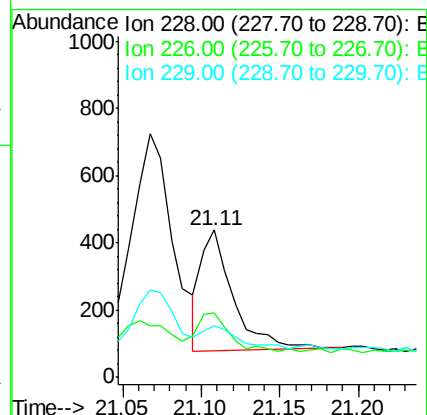
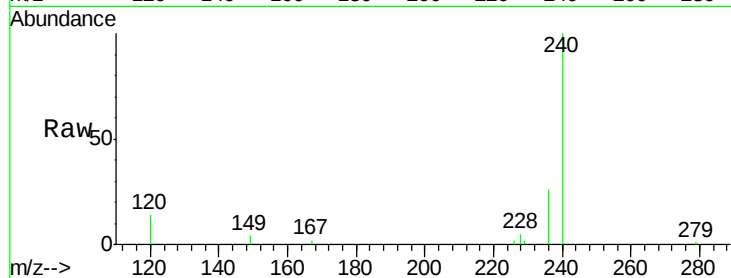
Tgt Ion:228 Resp: 509

Ion Ratio Lower Upper

228 100

226 43.5 24.2 36.4#

229 35.3 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.21 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090735.D

Acq: 4 Sep 2015 18:28

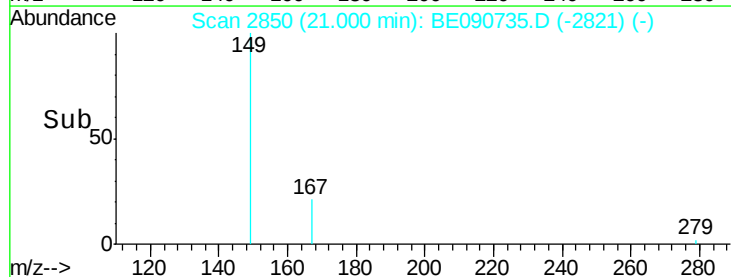
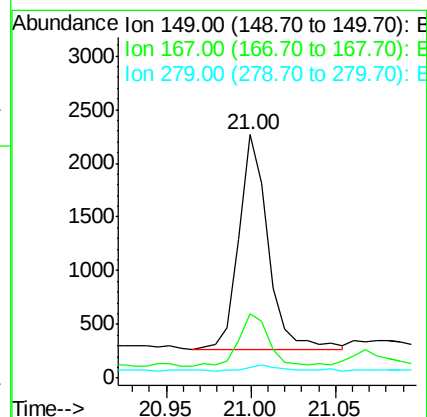
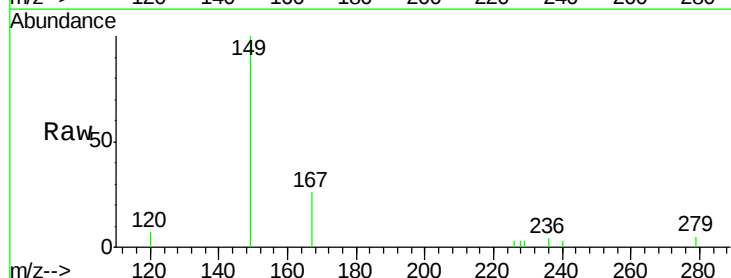
Tgt Ion:149 Resp: 2380

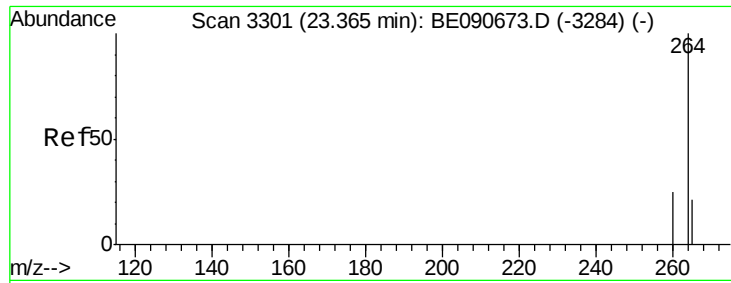
Ion Ratio Lower Upper

149 100

167 24.9 20.1 30.1

279 3.1 2.3 3.5

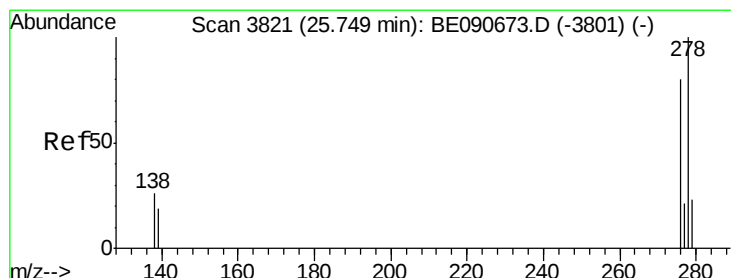
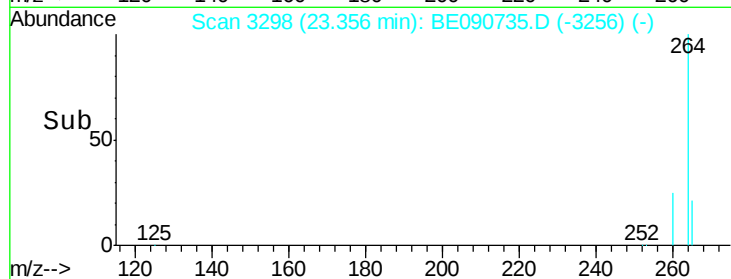
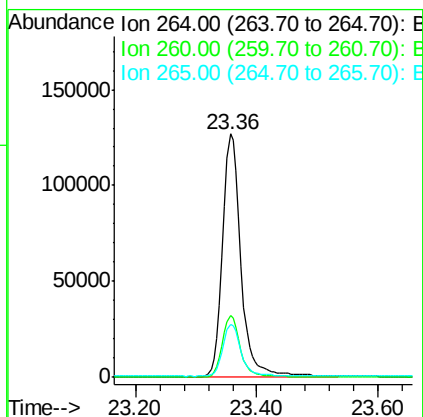
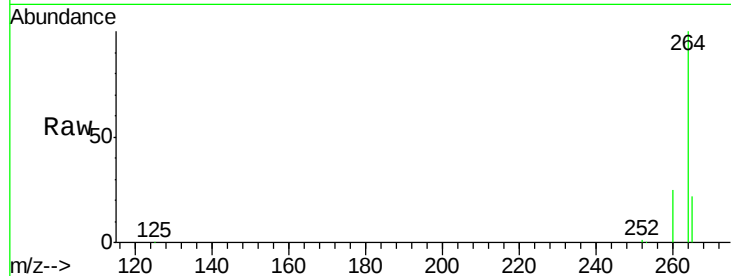




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090735.D
 Acq: 4 Sep 2015 18:28

Instrument :
 BNA_E
 ClientSampleId :
 090215-D534-F-U-S

Tgt Ion: 264 Resp: 271647
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 21.7 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3820
 Delta R.T. 0.00 min
 Lab File: BE090735.D
 Acq: 4 Sep 2015 18:28

Tgt Ion: 278 Resp: 104
 Ion Ratio Lower Upper
 278 100
 139 110.8 15.4 23.0#
 279 91.2 18.8 28.2#

