

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090388.D
 Acq On : 6 Aug 2015 14:10
 Operator : TP/UM
 Sample : G3174-05RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-BRE

Quant Time: Aug 06 15:03:15 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	34399	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	152181	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	87282	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	204874	5.00	ng	0.00
25) Chrysene-d12	21.10	240	253420	5.00	ng	0.00
32) Perylene-d12	23.40	264	241449	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	20525	3.98	ng	0.00
5) Phenol-d6	6.77	99	18157	1.82	ng	0.00
7) Nitrobenzene-d5	8.72	82	47093	3.85	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	23623	8.56	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	111537	4.65	ng	0.00
27) Terphenyl-d14	19.56	244	207357	5.55	ng	0.00

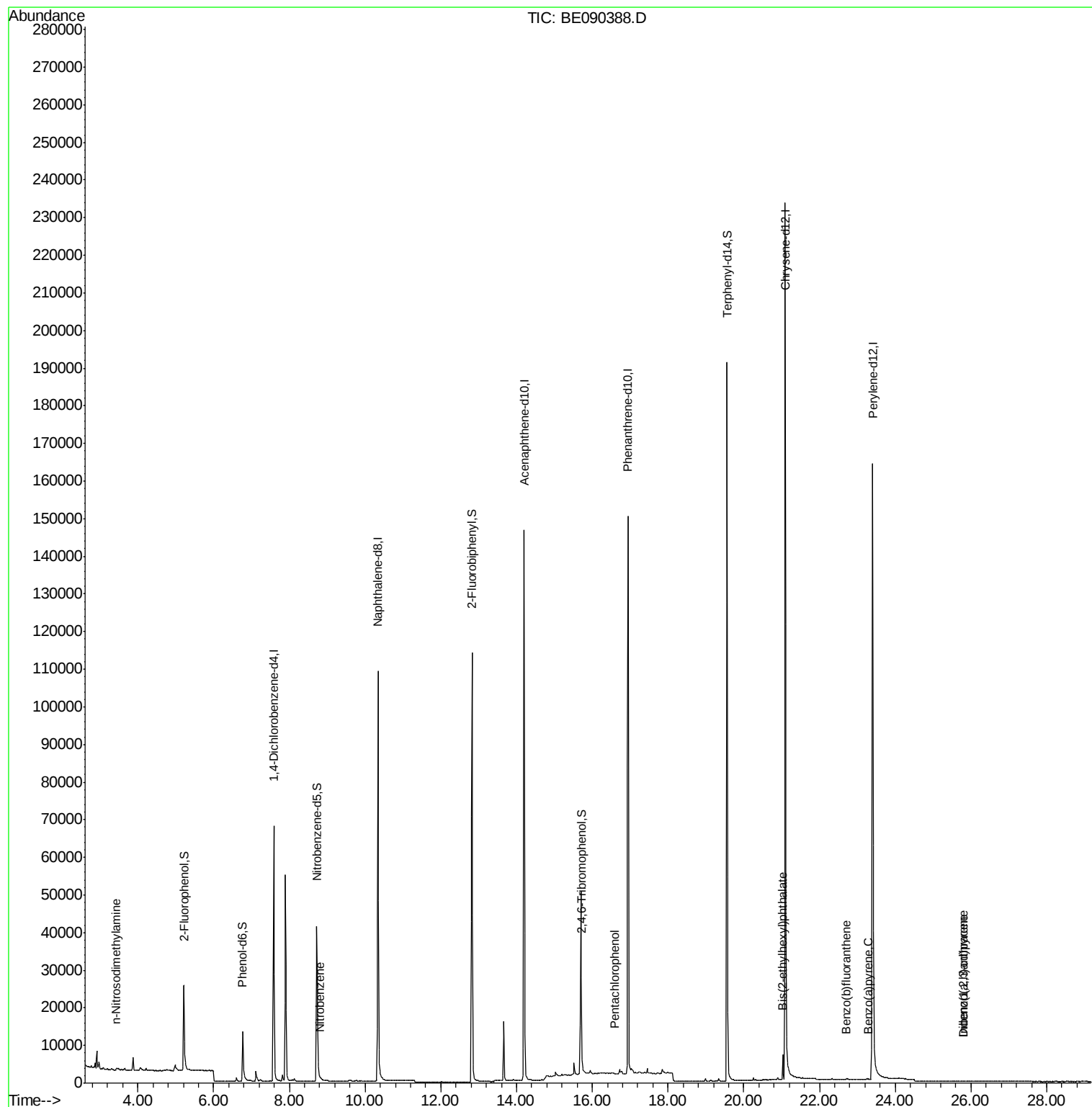
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	47	Below Cal	#	15
3) n-Nitrosodimethylamine	3.43	42	115	0.02 ng	#	1
8) Nitrobenzene	8.81	77	13	0.21 ng	#	91
10) Hexachlorobutadiene	10.69	225	8	Below Cal	#	77
21) Pentachlorophenol	16.60	266	31	0.11 ng	#	73
30) Bis(2-ethylhexyl)phthalate	21.03	149	5794	0.53 ng		97
31) Indeno(1,2,3-cd)pyrene	25.79	276	268	0.26 ng	#	64
33) Benzo(b)fluoranthene	22.70	252	305	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	211	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	73	0.29 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: 7.58 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

BNA_E

ClientSampleId :

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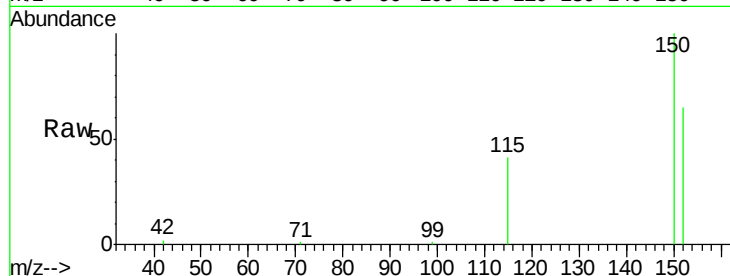
Tgt Ion:152 Resp: 34399

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

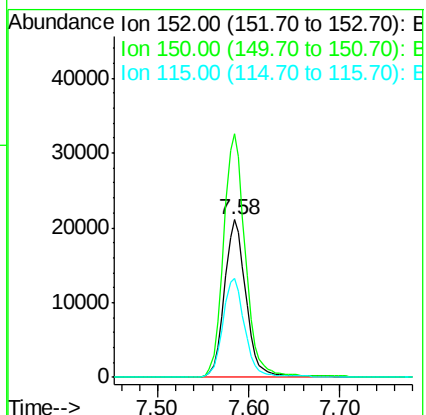
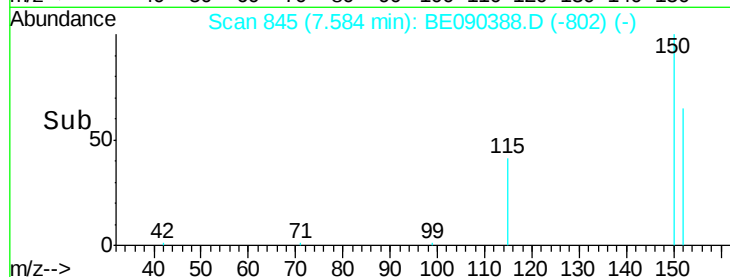
115 62.8 48.9 73.3



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: 3.26 min Scan# 97

Delta R.T. 0.06 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

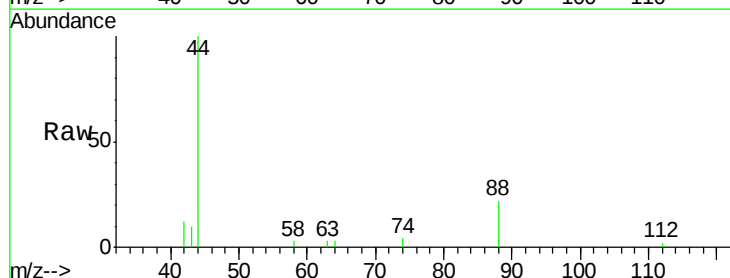
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

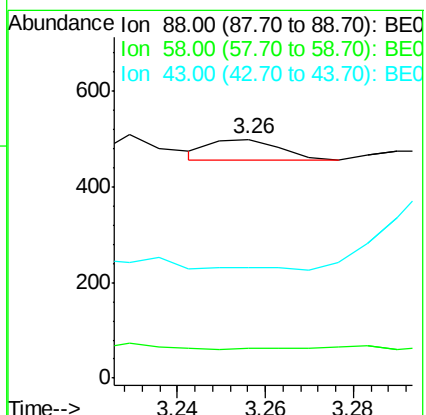
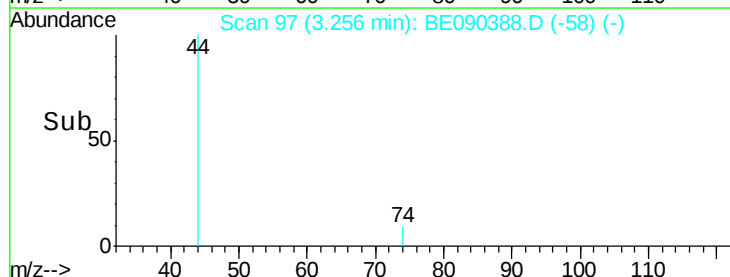
43 0.0 28.4 42.6#



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: 3.43 min Scan# 123

Delta R.T. -0.06 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

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ClientSampleId :

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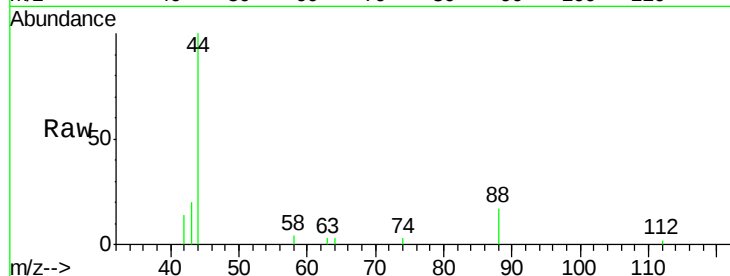
Tgt Ion: 42 Resp: 115

Ion Ratio Lower Upper

42 100

74 8.7 75.2 112.8#

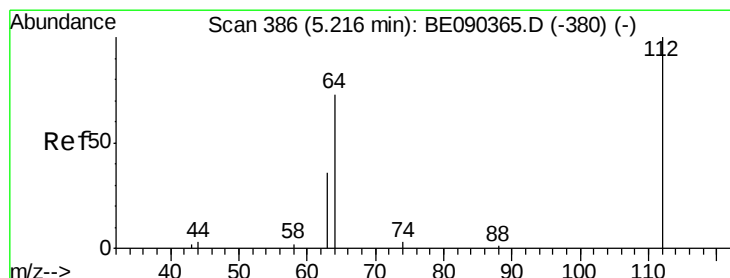
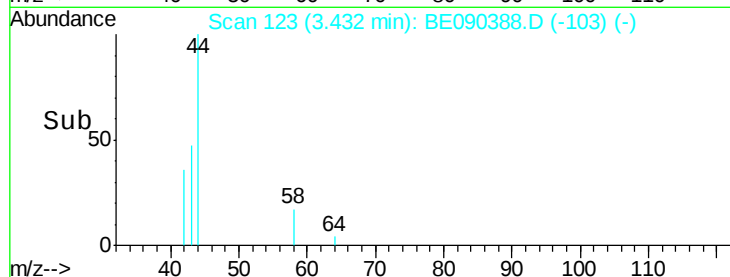
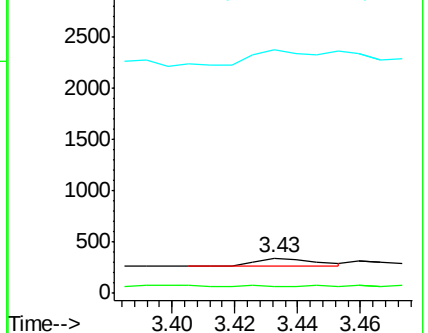
44 161.7 8.7 13.1#



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: 3.98 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

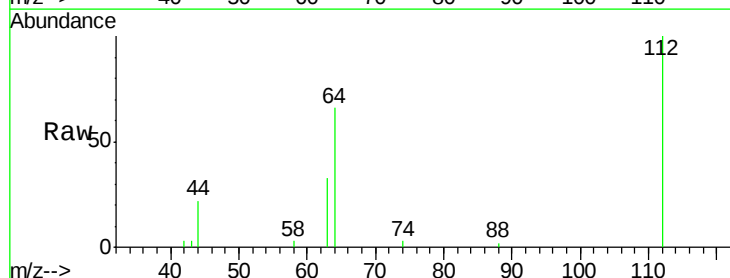
Tgt Ion: 112 Resp: 20525

Ion Ratio Lower Upper

112 100

64 70.6 37.1 55.7#

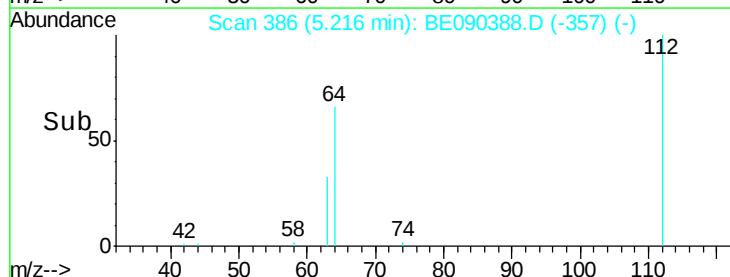
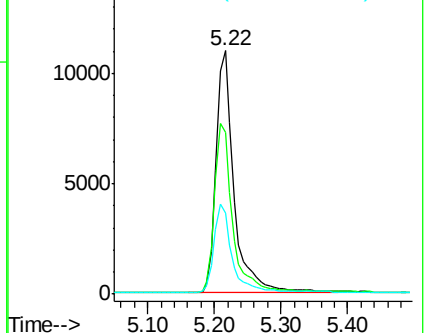
63 36.5 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.82 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-BRE

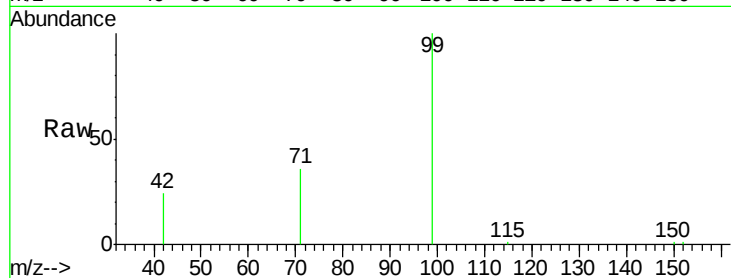
Tgt Ion: 99 Resp: 18157

Ion Ratio Lower Upper

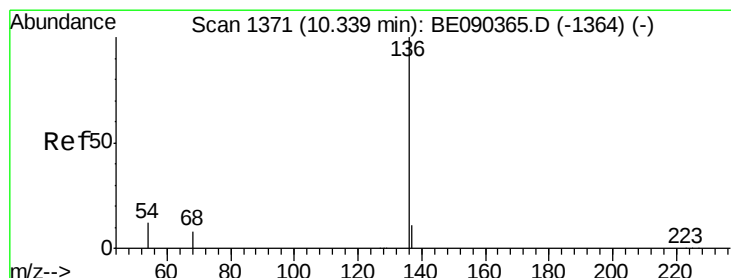
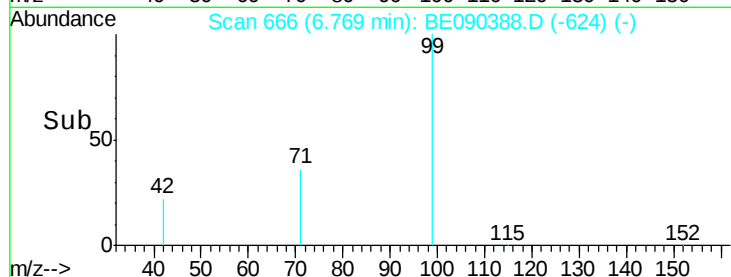
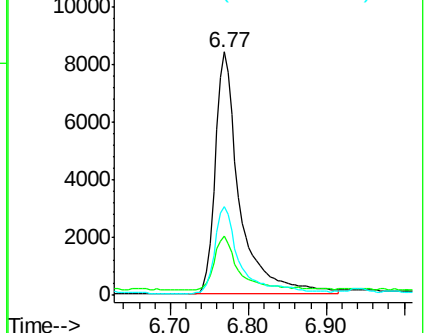
99 100

42 21.4 18.2 27.4

71 37.0 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: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Tgt Ion: 136 Resp: 152181

Ion Ratio Lower Upper

136 100

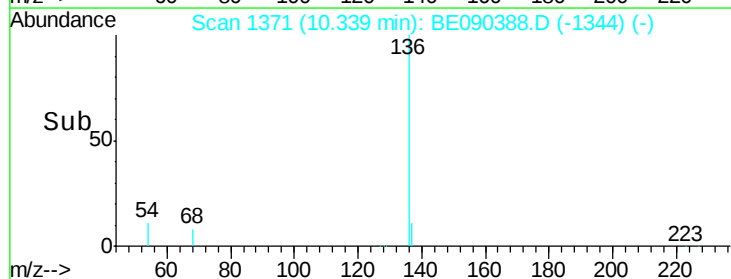
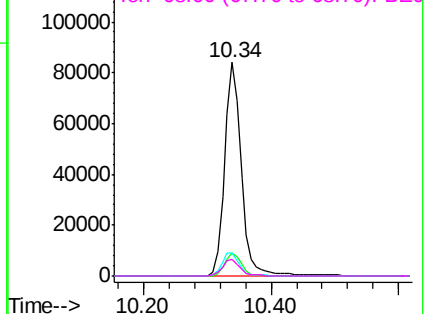
137 11.0 8.7 13.1

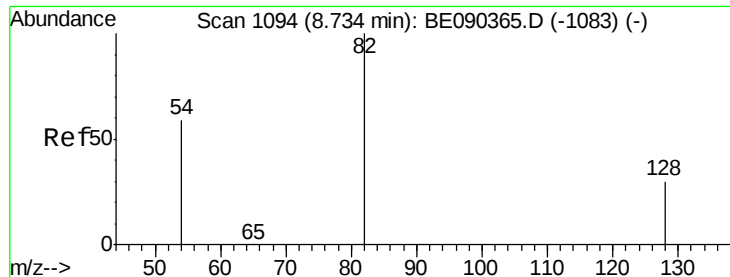
54 10.9 9.4 14.0

68 7.9 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: 3.85 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

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080215-D506-F-D-BRE

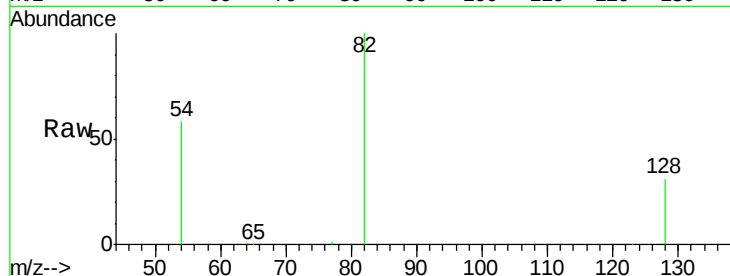
Tgt Ion: 82 Resp: 47093

Ion Ratio Lower Upper

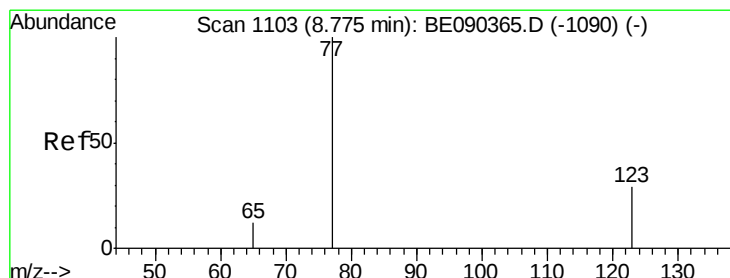
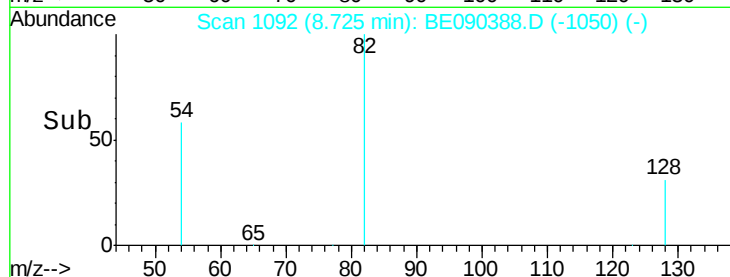
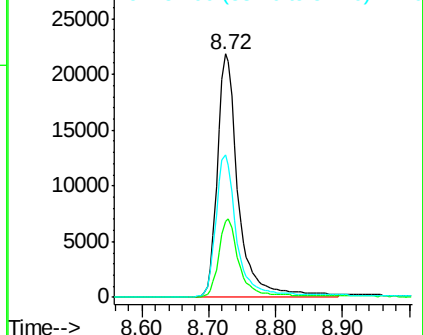
82 100

128 31.2 25.0 37.6

54 58.5 48.8 73.2



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: 0.21 ng

RT: 8.81 min Scan# 1110

Delta R.T. 0.03 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

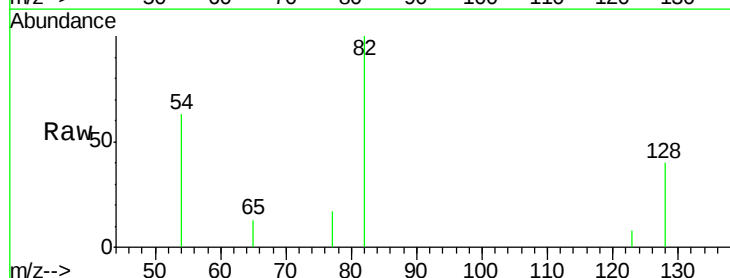
Tgt Ion: 77 Resp: 13

Ion Ratio Lower Upper

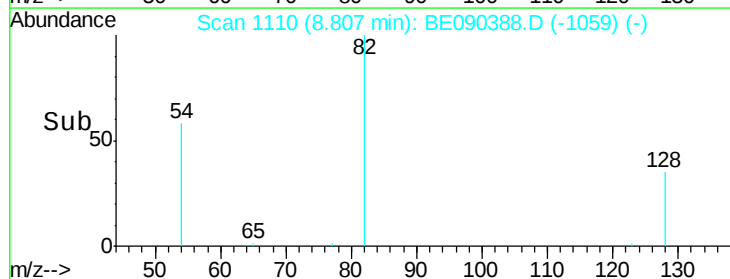
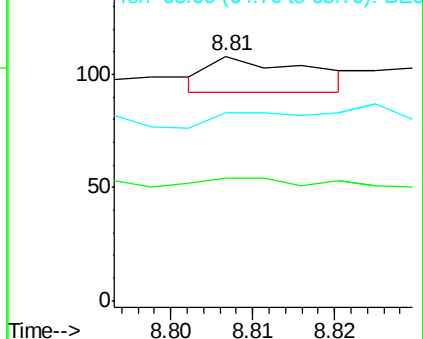
77 100

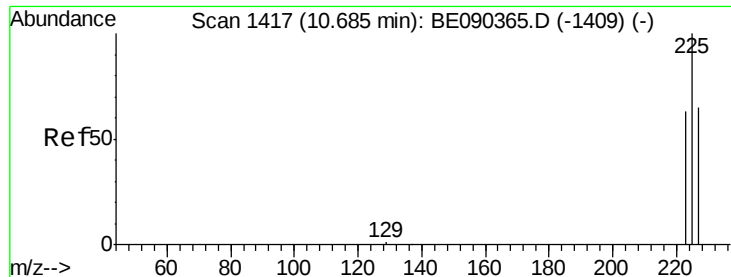
123 30.8 25.1 37.7

65 0.0 9.3 13.9#



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

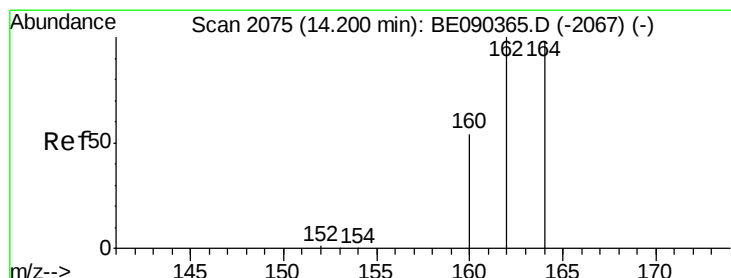
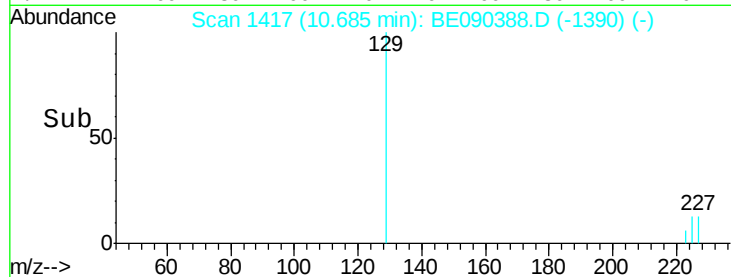
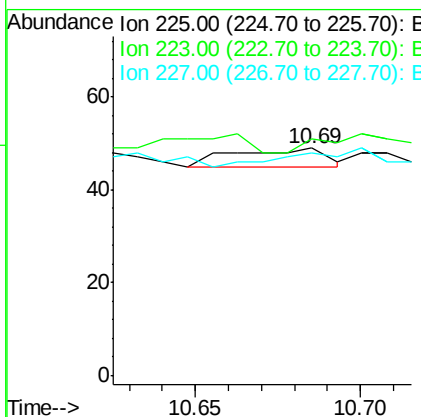
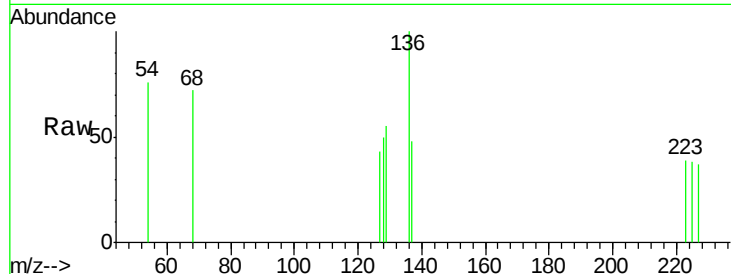




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090388.D
Acq: 6 Aug 2015 14:10

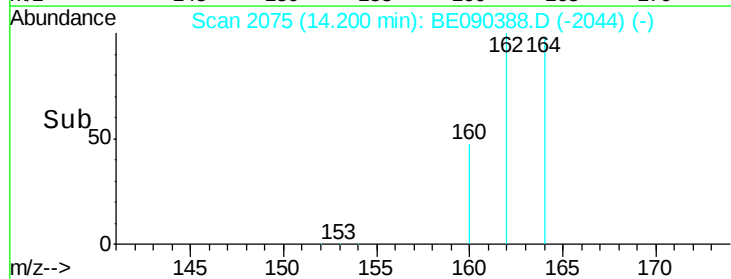
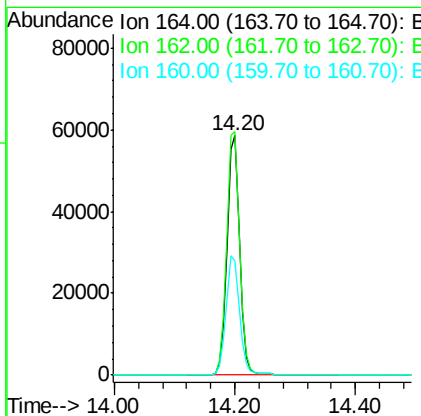
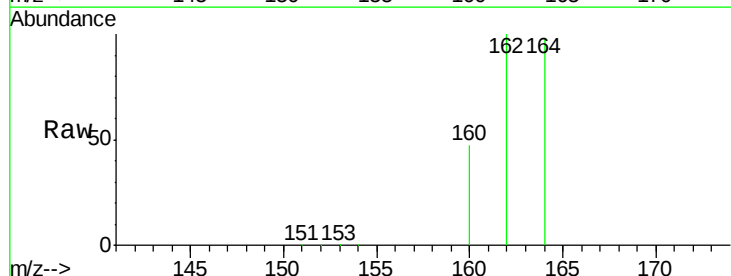
Instrument :
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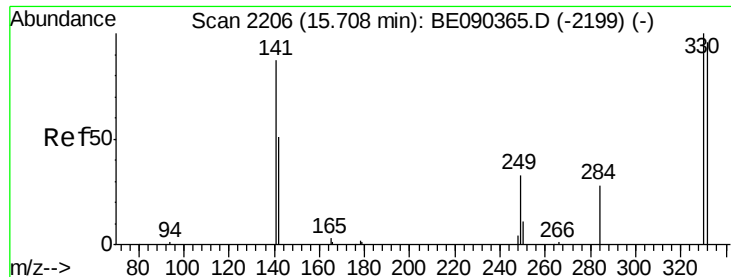
Tgt Ion: 225 Resp: 8
Ion Ratio Lower Upper
225 100
223 75.0 50.6 75.8
227 87.5 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090388.D
Acq: 6 Aug 2015 14:10

Tgt Ion: 164 Resp: 87282
Ion Ratio Lower Upper
164 100
162 101.7 81.8 122.8
160 47.7 44.2 66.4

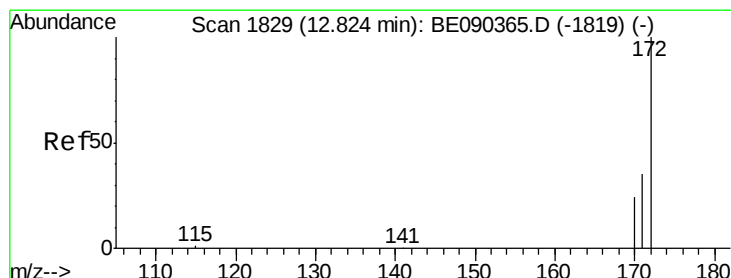
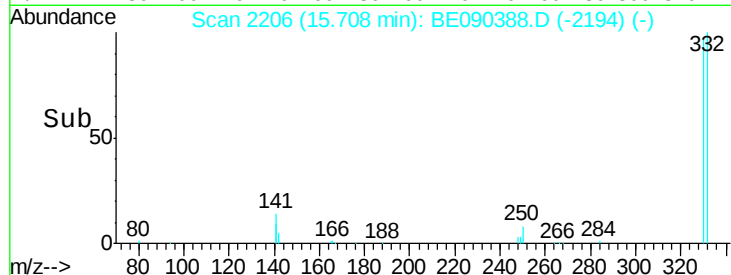
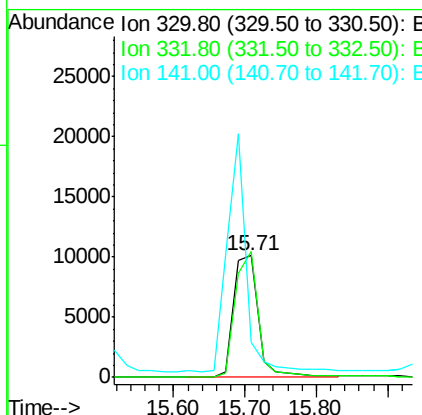
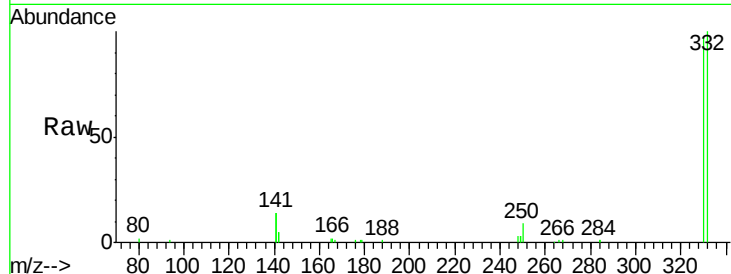




#13
 2,4,6-Tribromophenol
 Concen: 8.56 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

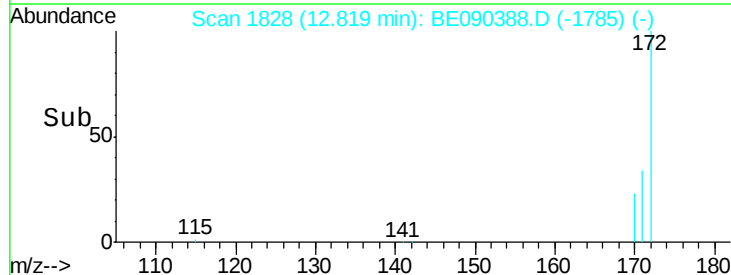
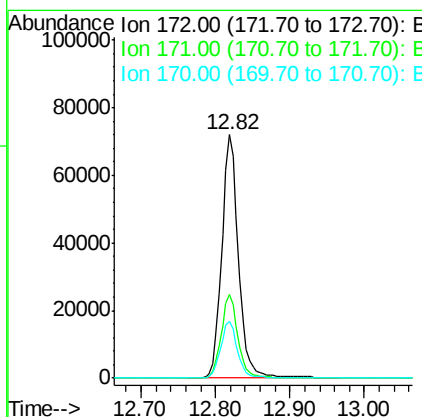
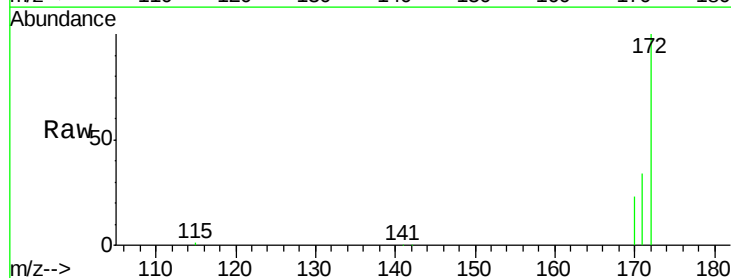
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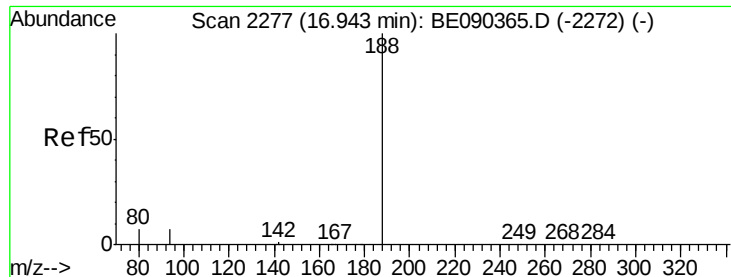
Tgt Ion:330 Resp: 23623
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.8 113.6
 141 153.6 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 4.65 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

Tgt Ion:172 Resp: 111537
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.4 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-BRE

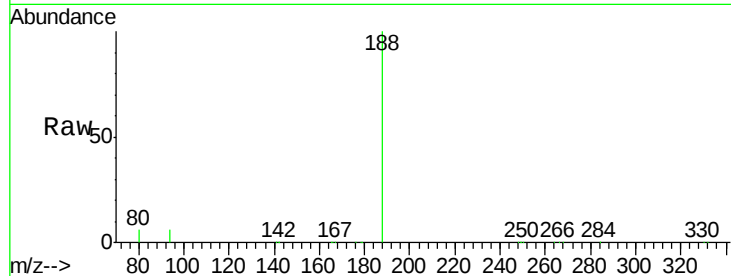
Tgt Ion:188 Resp: 204874

Ion Ratio Lower Upper

188 100

94 5.7 5.7 8.5

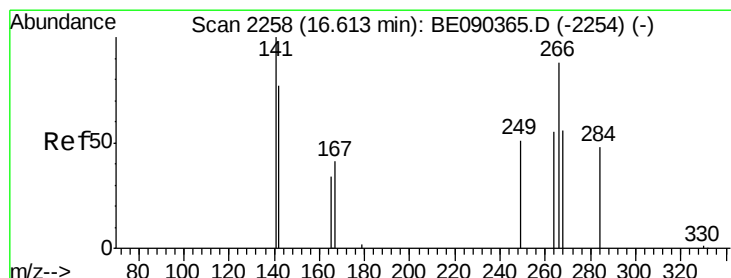
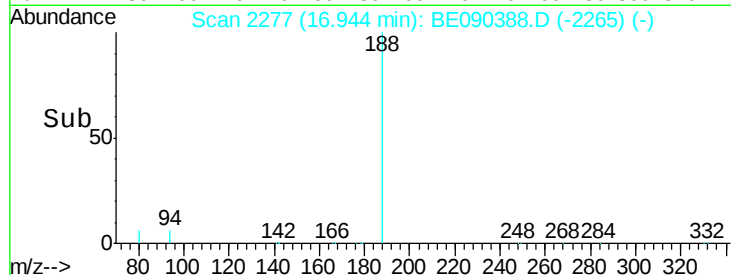
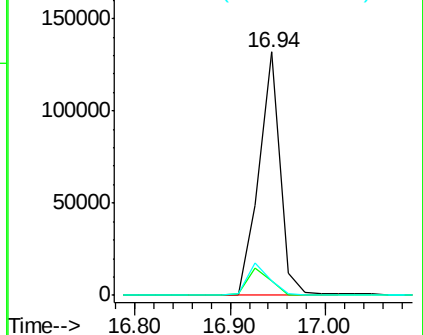
80 5.8 5.8 8.8



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: 0.11 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

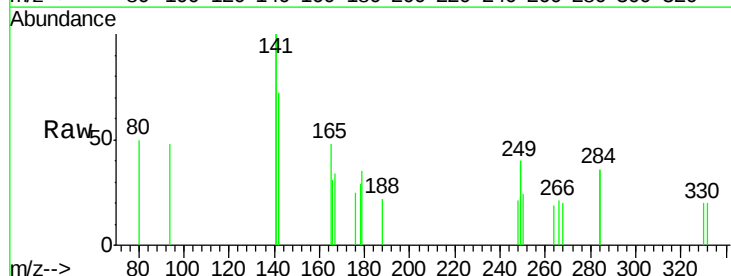
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

268 96.4 58.5 87.7#

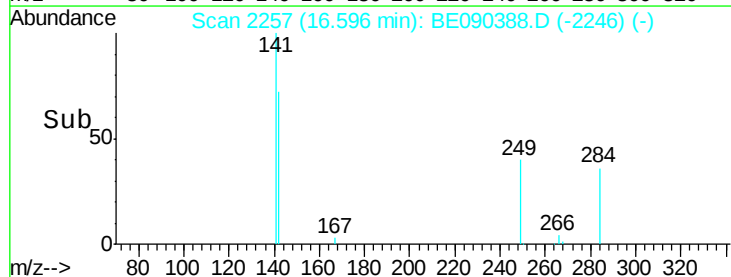
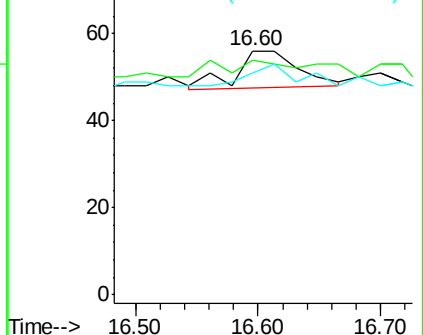
264 91.1 56.0 84.0#

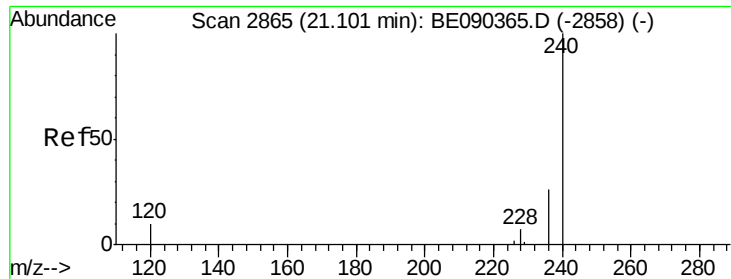


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-BRE

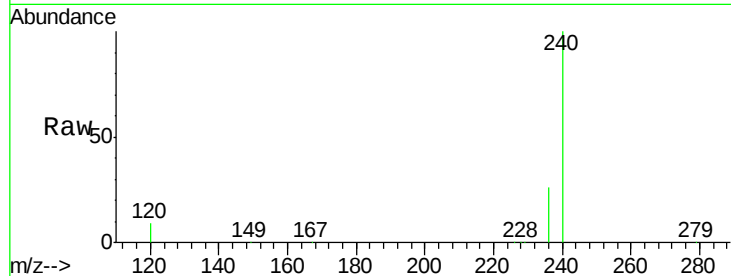
Tgt Ion:240 Resp: 253420

Ion Ratio Lower Upper

240 100

120 9.1 8.3 12.5

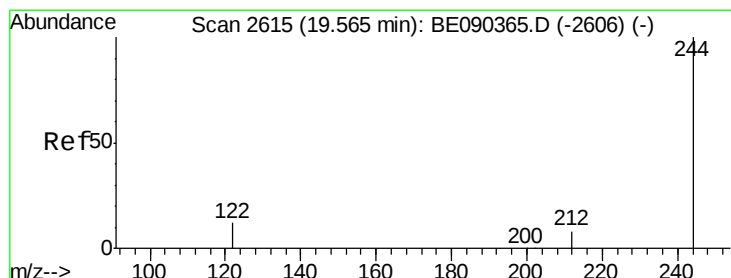
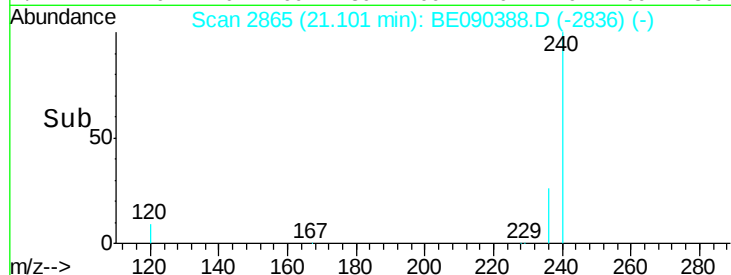
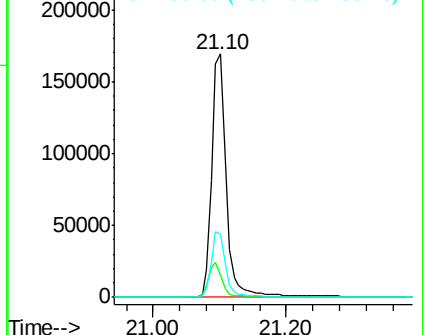
236 26.1 21.0 31.4



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: 5.55 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

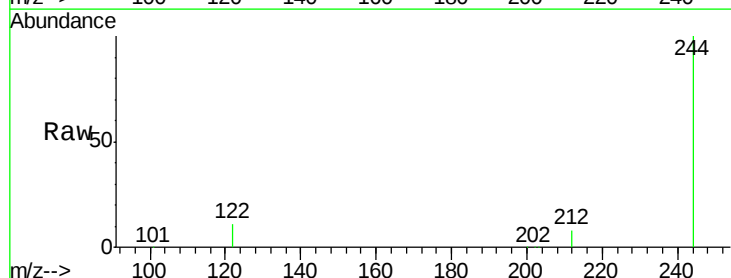
Tgt Ion:244 Resp: 207357

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

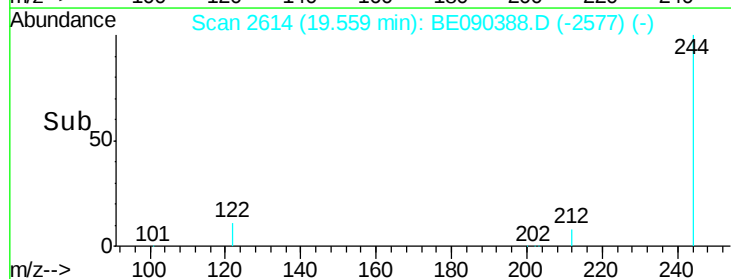
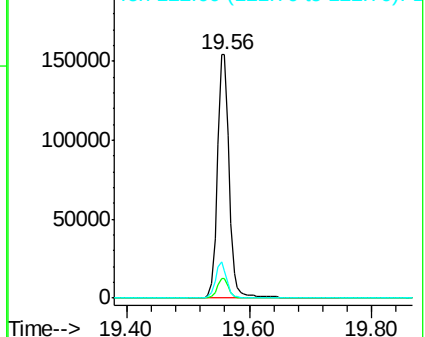
122 11.2 10.2 15.4

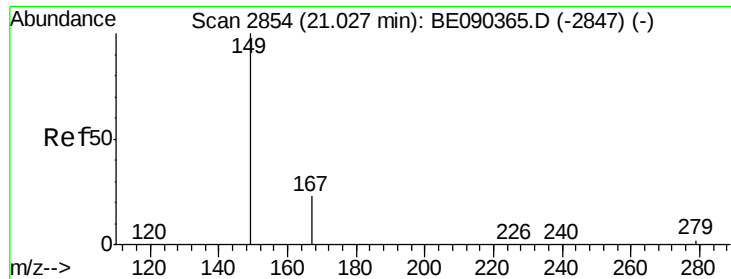


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

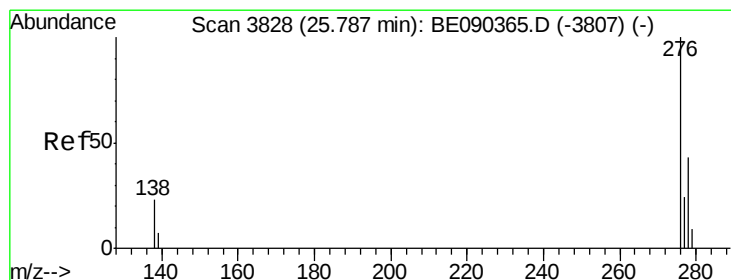
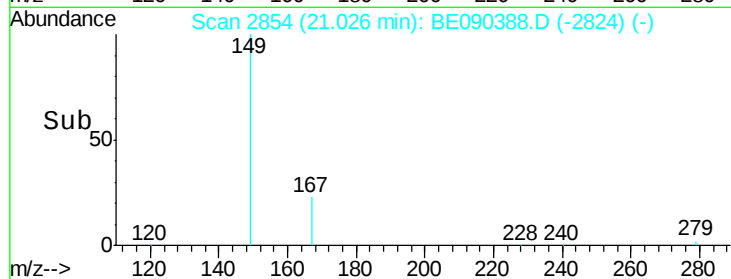
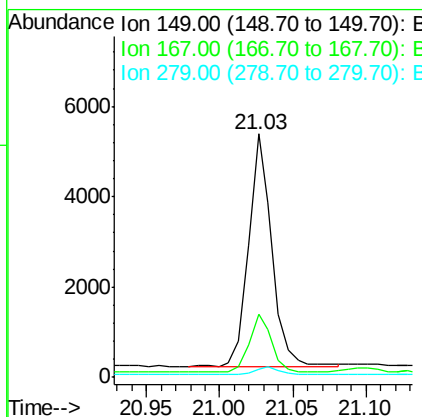
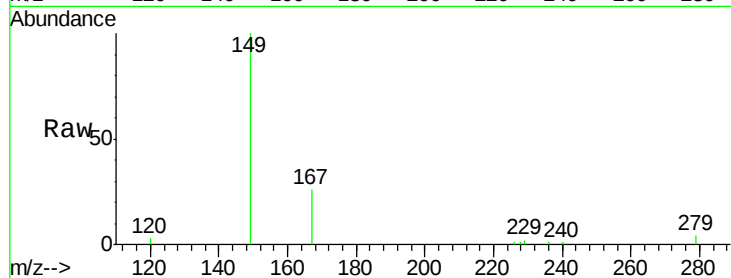




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.53 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

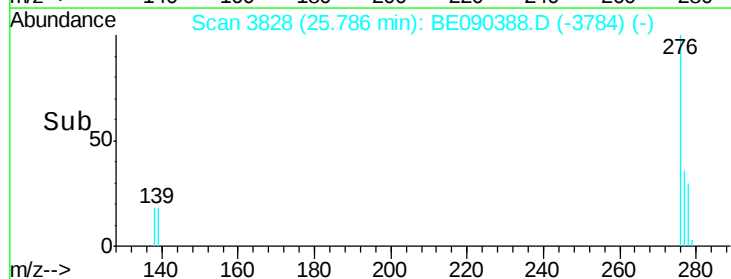
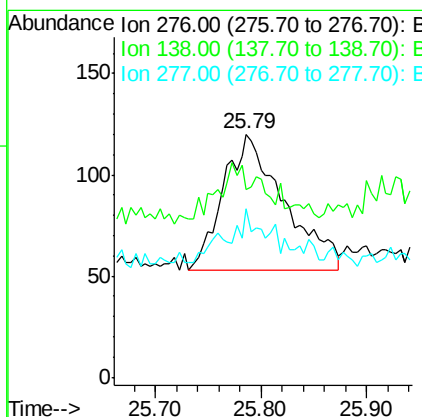
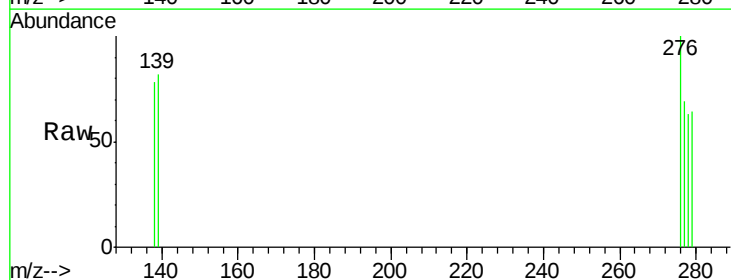
Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-BRE

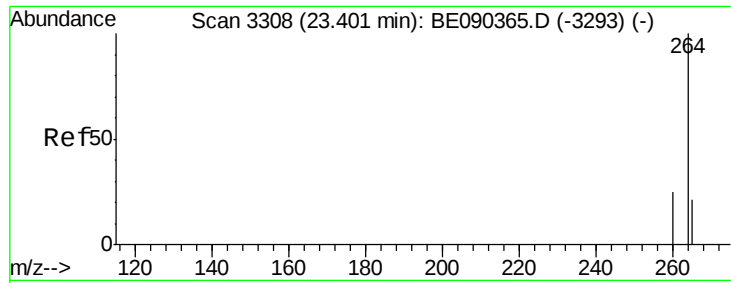
Tgt Ion:149 Resp: 5794
 Ion Ratio Lower Upper
 149 100
 167 23.4 19.8 29.8
 279 3.5 2.4 3.6



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3828
 Delta R.T. 0.00 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

Tgt Ion:276 Resp: 268
 Ion Ratio Lower Upper
 276 100
 138 0.0 18.8 28.2#
 277 11.6 18.2 27.4#

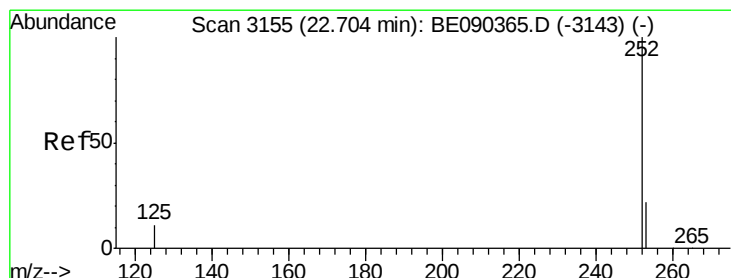
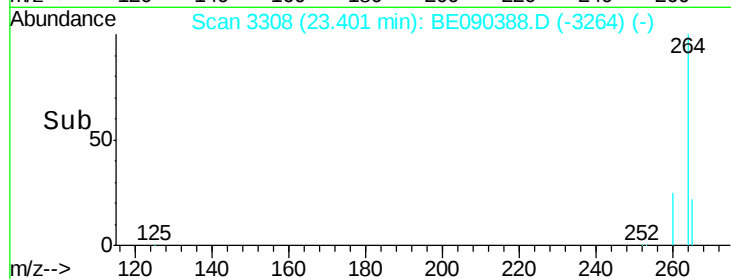
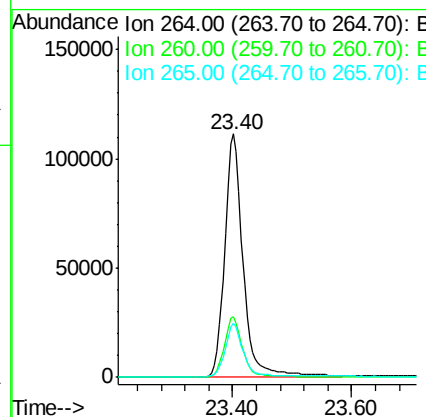




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

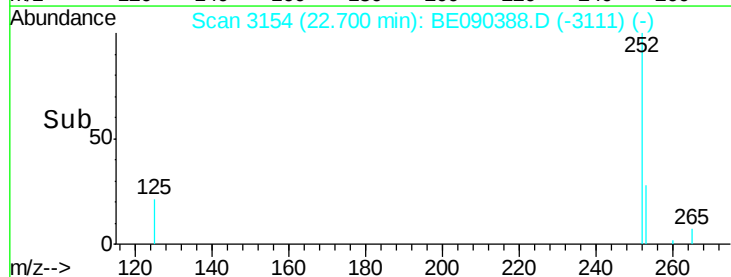
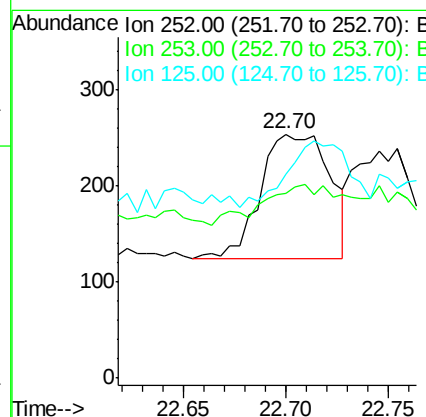
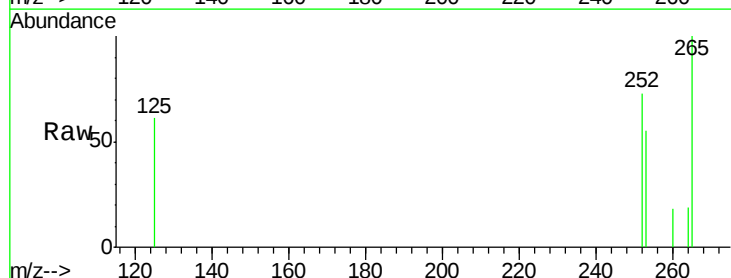
Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-BRE

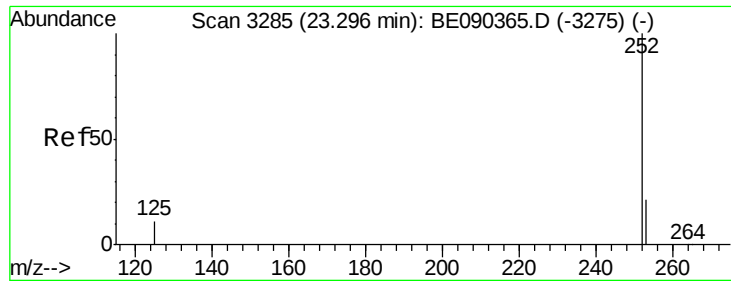
Tgt Ion: 264 Resp: 241449
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 22.1 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090388.D
 Acq: 6 Aug 2015 14:10

Tgt Ion: 252 Resp: 305
 Ion Ratio Lower Upper
 252 100
 253 75.9 18.1 27.1#
 125 83.8 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-BRE

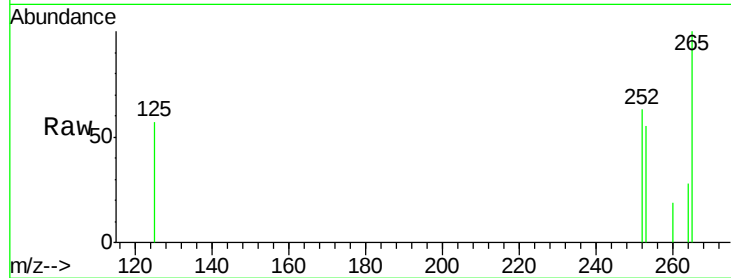
Tgt Ion: 252 Resp: 211

Ion Ratio Lower Upper

252 100

253 88.4 17.6 26.4#

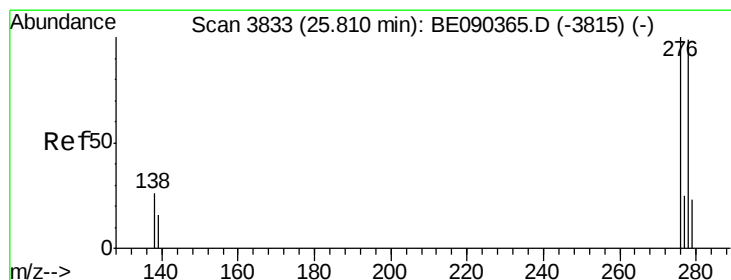
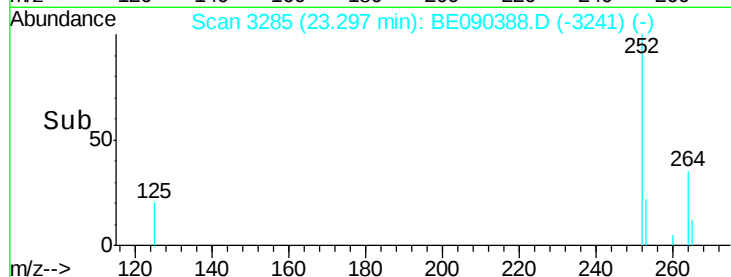
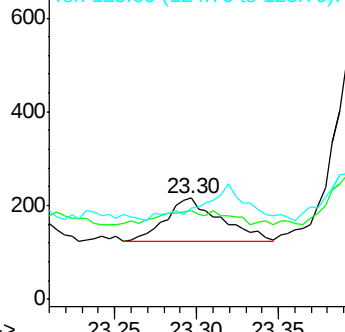
125 90.2 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.00 min

Lab File: BE090388.D

Acq: 6 Aug 2015 14:10

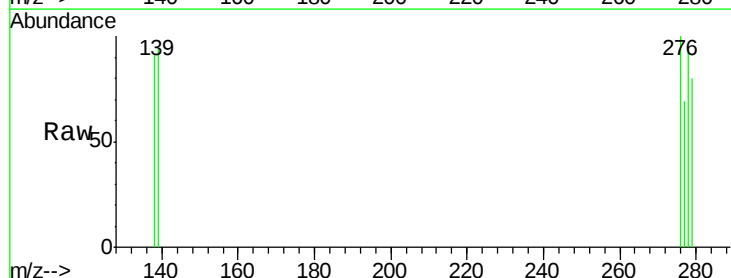
Tgt Ion: 278 Resp: 73

Ion Ratio Lower Upper

278 100

139 100.0 14.2 21.4#

279 85.1 20.1 30.1#



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

