

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089422.D
 Acq On : 29 Jan 2015 20:23
 Operator : TP/IZ
 Sample : G1110-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-15

Quant Time: Jan 30 03:27:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 03:05:39 2015
 Response via : Initial Calibration

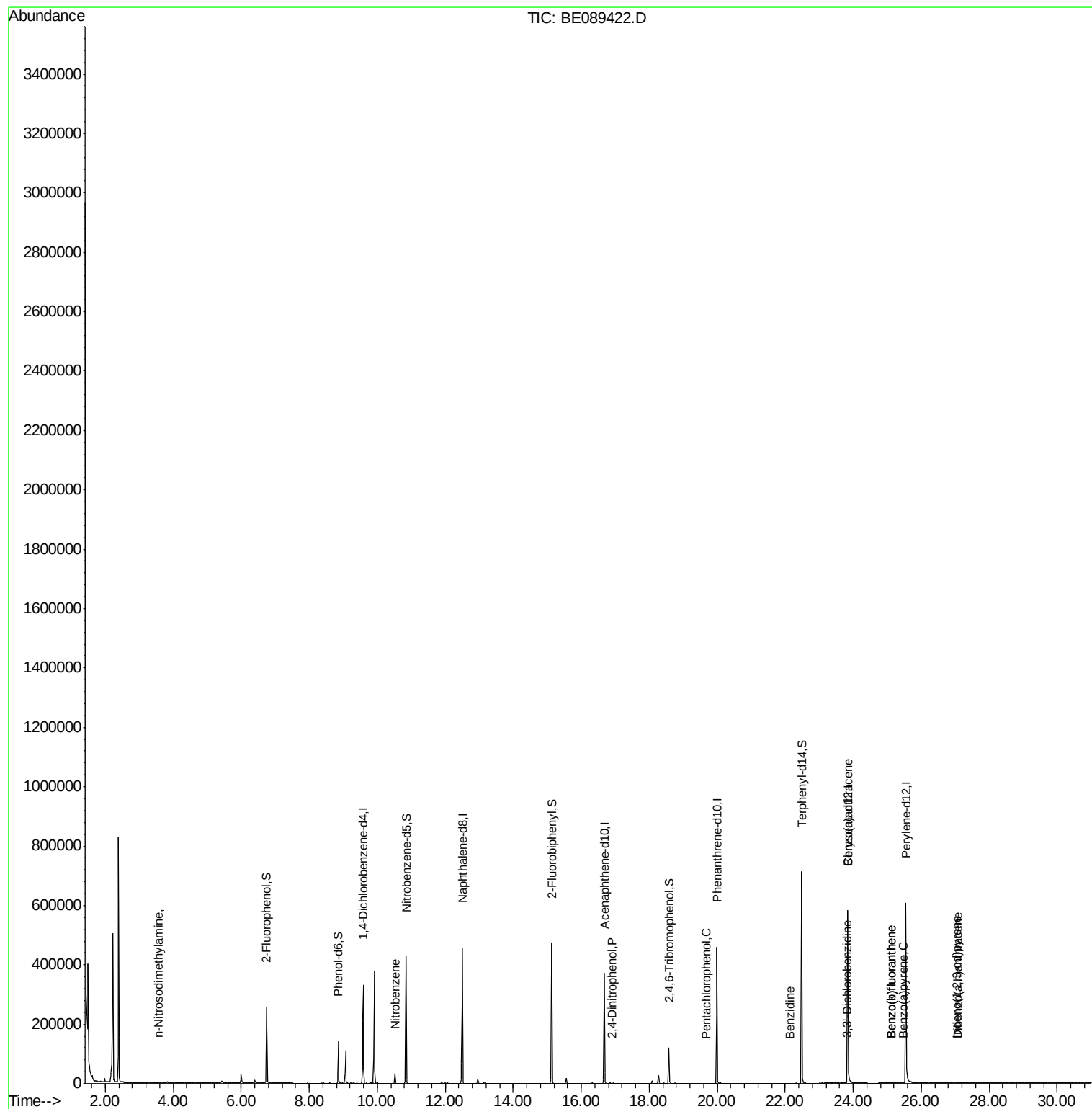
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	134497	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	505765	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	228828	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	427875	5.00	ng	0.00
20) Chrysene-d12	23.84	240	551779	5.00	ng	0.00
27) Perylene-d12	25.55	264	580478	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	170078	3.36	ng	0.00
4) Phenol-d6	8.85	99	118791	1.98	ng	0.00
8) Nitrobenzene-d5	10.85	82	307050	7.47	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	64571	10.23	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	426389	6.68	ng	0.00
22) Terphenyl-d14	22.48	244	599367	9.40	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.56	42	26	0.07	ng	# 1
9) Nitrobenzene	10.52	77	42723	0.91	ng	# 44
16) 2,4-Dinitrophenol	16.89	184	22	0.30	ng	# 28
19) Pentachlorophenol	19.67	266	30	0.21	ng	# 65
21) Benzidine	22.14	184	79	0.28	ng	# 1
23) Benzo(a)anthracene	23.83	228	8612	0.02	ng	# 79
24) 3,3'-Dichlorobenzidine	23.81	252	559	0.31	ng	# 57
26) Indeno(1,2,3-cd)pyrene	27.05	276	333	0.22	ng	# 100
28) Benzo(b)fluoranthene	25.12	252	1156	0.10	ng	# 1
29) Benzo(k)fluoranthene	25.12	252	1156	0.13	ng	# 1
30) Benzo(a)pyrene	25.48	252	366	0.16	ng	# 1
31) Dibenzo(a,h)anthracene	27.09	278	365	0.43	ng	# 13

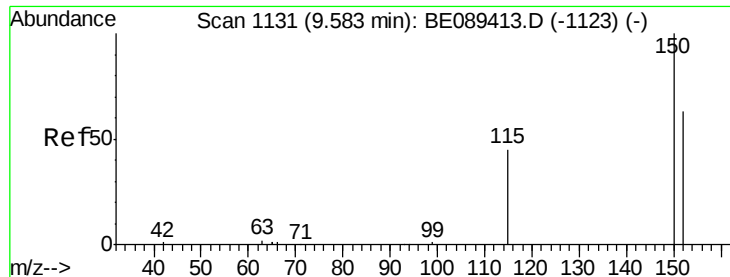
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

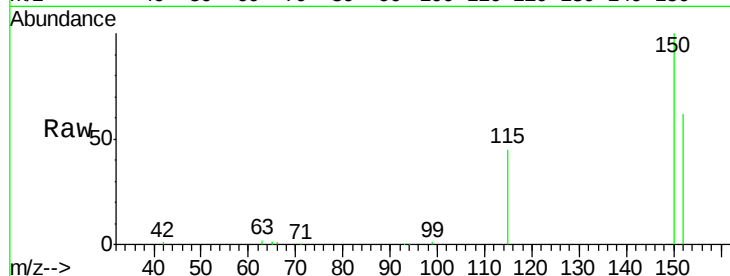
Tgt Ion:152 Resp: 134497

Ion Ratio Lower Upper

152 100

150 160.0 126.1 189.1

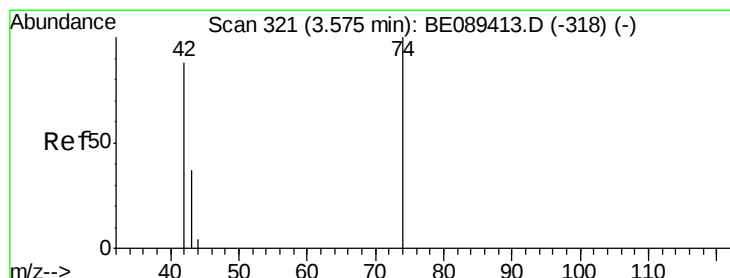
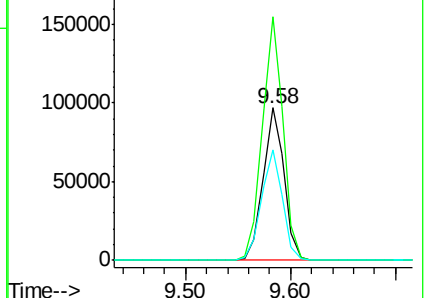
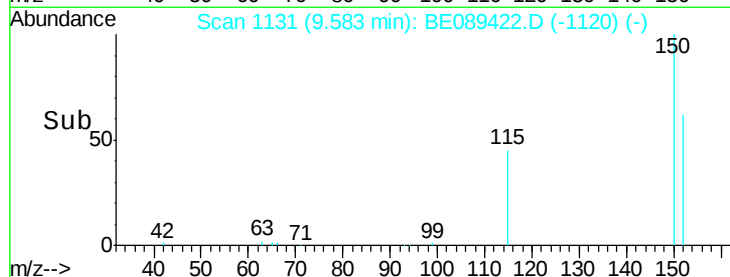
115 72.8 57.1 85.7



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

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

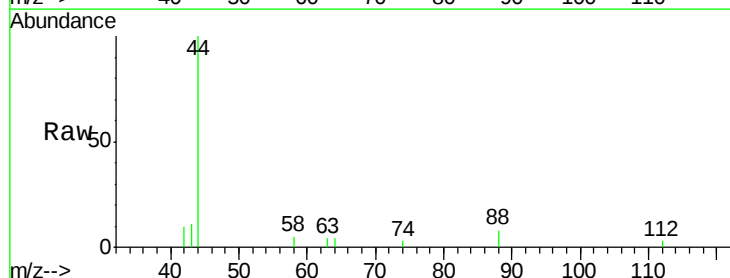
Tgt Ion: 42 Resp: 26

Ion Ratio Lower Upper

42 100

74 32.5 90.2 135.2#

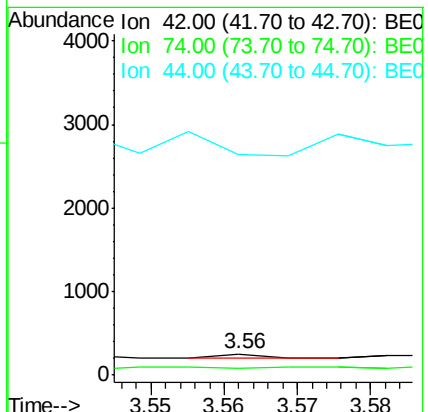
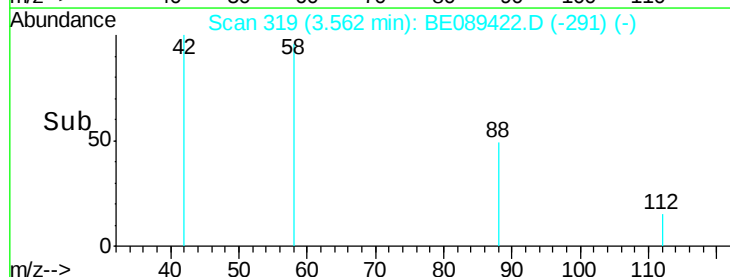
44 1034.1 19.4 29.2#

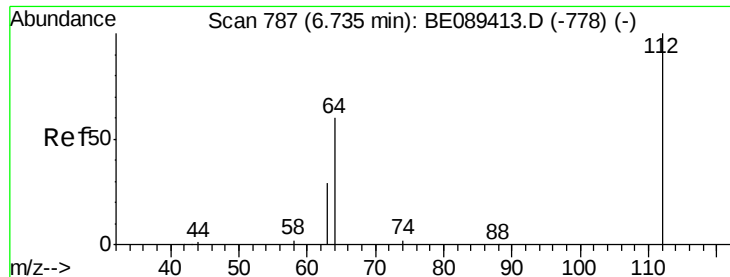


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

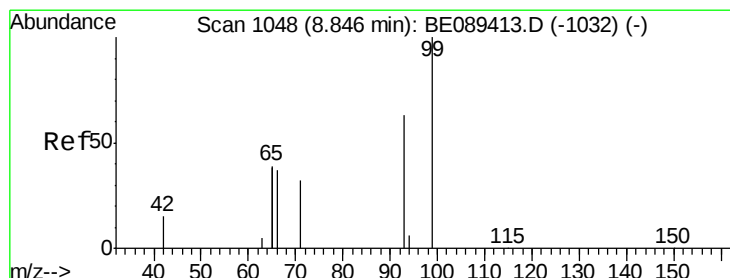
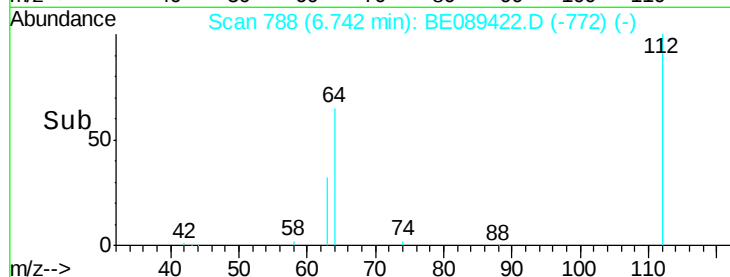
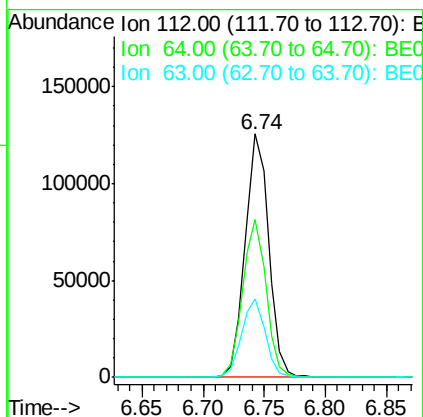
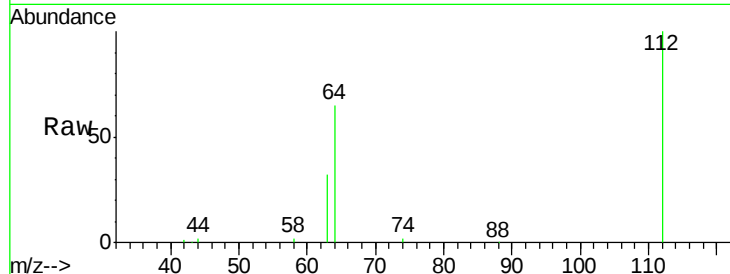




#3
 2-Fluorophenol
 Concen: 3.36 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BE089422.D
 Acq: 29 Jan 2015 20:23

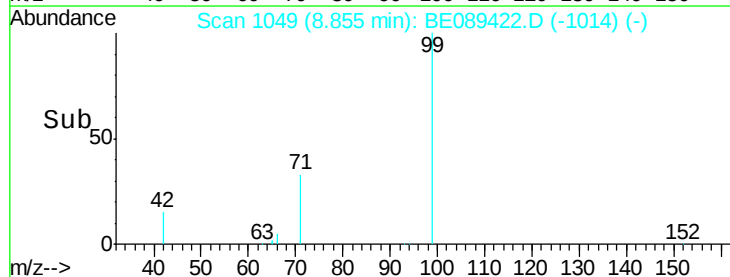
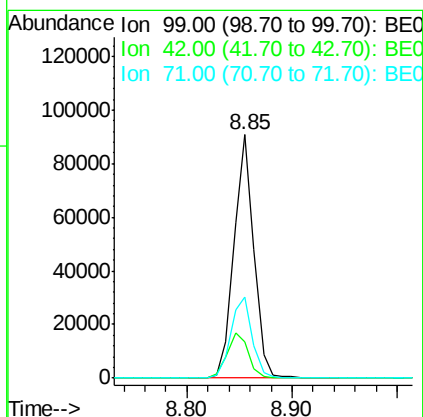
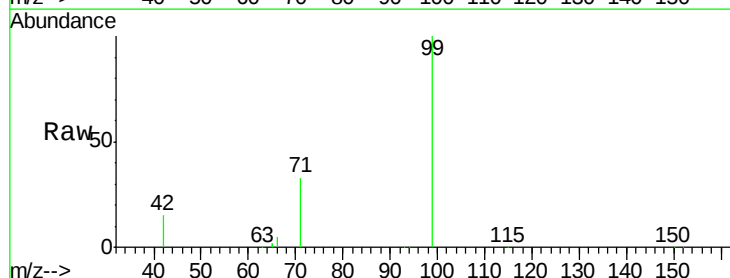
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-15

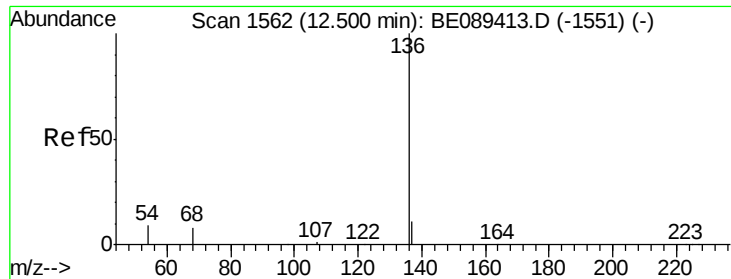
Tgt Ion: 112 Resp: 170078
 Ion Ratio Lower Upper
 112 100
 64 64.7 48.2 72.4
 63 32.1 23.5 35.3



#4
 Phenol-d6
 Concen: 1.98 ng
 RT: 8.85 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089422.D
 Acq: 29 Jan 2015 20:23

Tgt Ion: 99 Resp: 118791
 Ion Ratio Lower Upper
 99 100
 42 15.1 11.9 17.9
 71 33.2 25.8 38.6





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

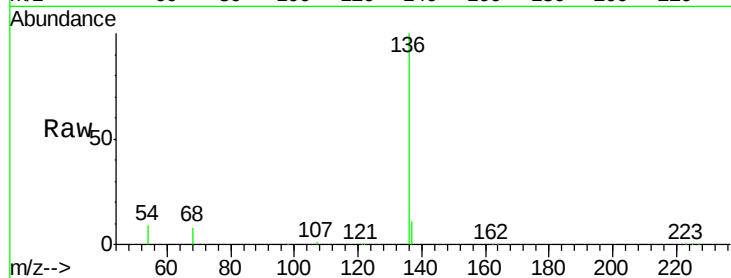
Tgt Ion: 136 Resp: 505765

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

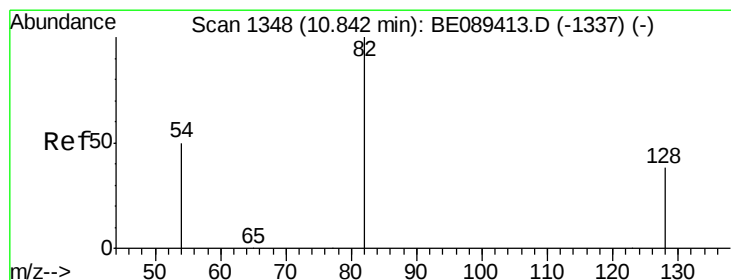
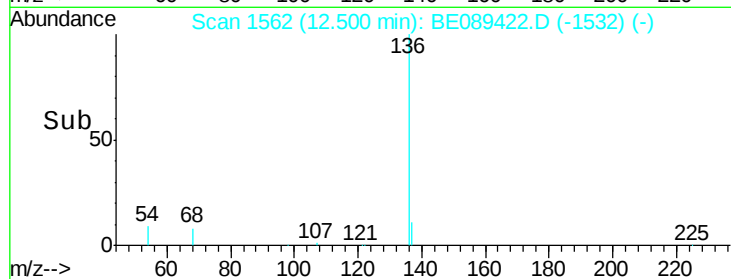
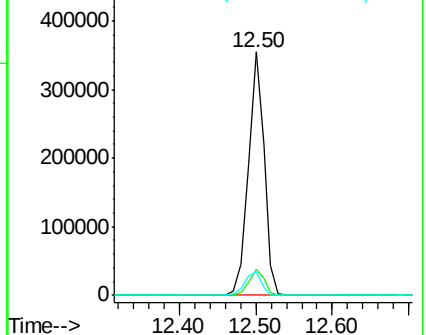
54 9.4 7.5 11.3



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



#8

Nitrobenzene-d5

Concen: 7.47 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

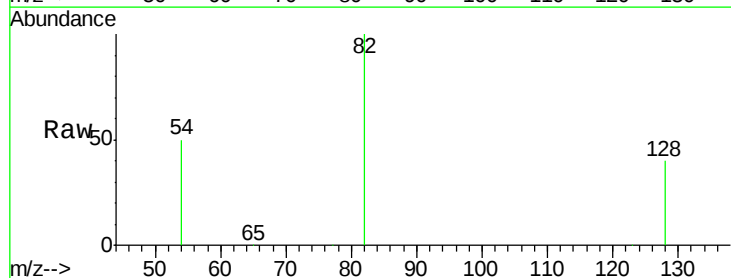
Tgt Ion: 82 Resp: 307050

Ion Ratio Lower Upper

82 100

128 39.8 31.0 46.4

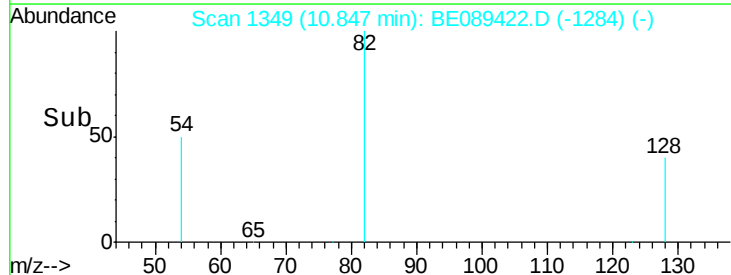
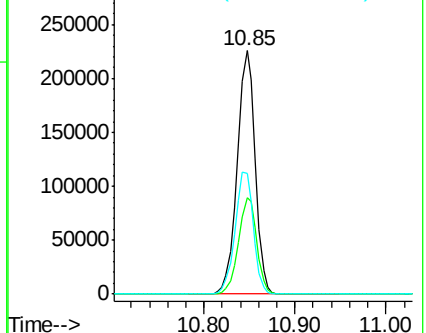
54 49.7 39.8 59.6

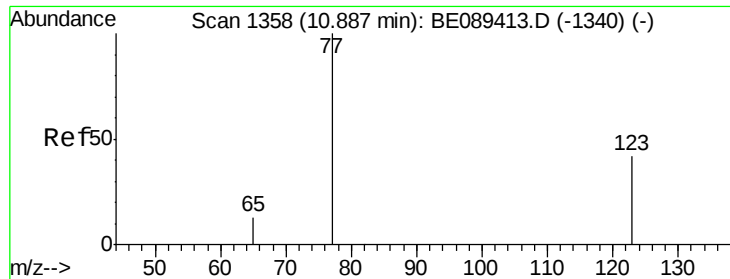


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.91 ng

RT: 10.52 min Scan# 1277

Delta R.T. -0.37 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

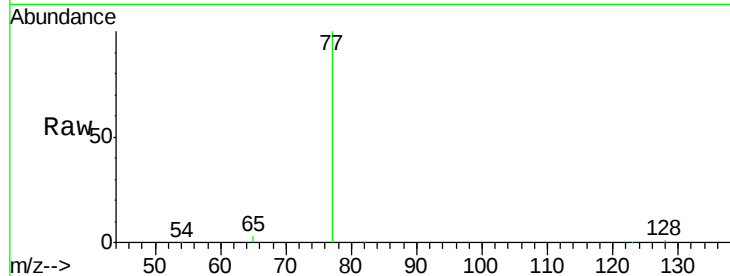
Tgt Ion: 77 Resp: 42723

Ion Ratio Lower Upper

77 100

123 0.0 32.8 49.2#

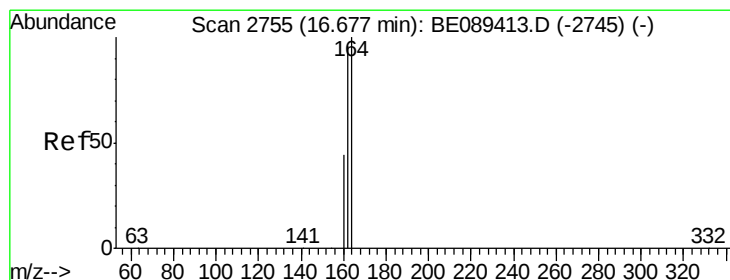
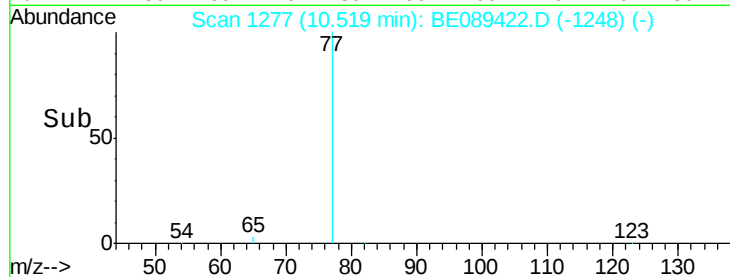
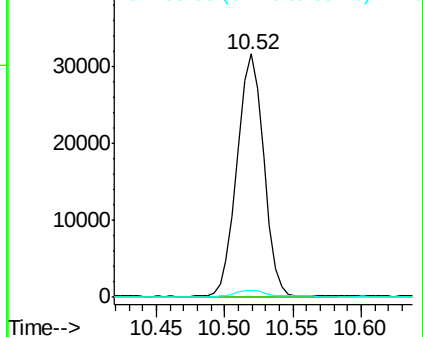
65 2.8 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BE089422.D (-1248) (-)

Ion 123.00 (122.70 to 123.70): BE089422.D (-1248) (-)

Ion 65.00 (64.70 to 65.70): BE089422.D (-1248) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

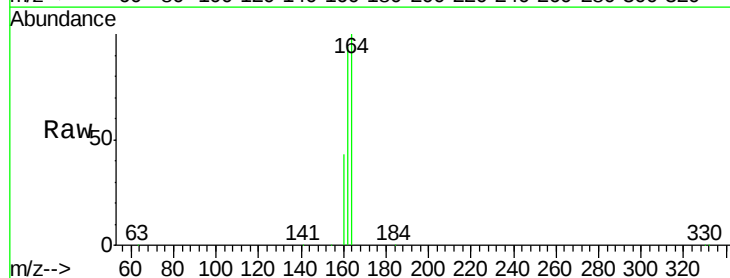
Tgt Ion: 164 Resp: 228828

Ion Ratio Lower Upper

164 100

162 94.2 77.0 115.6

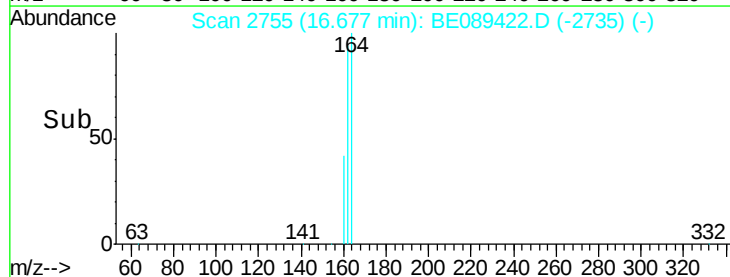
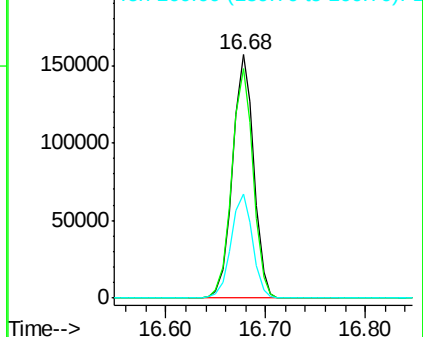
160 42.5 35.0 52.4

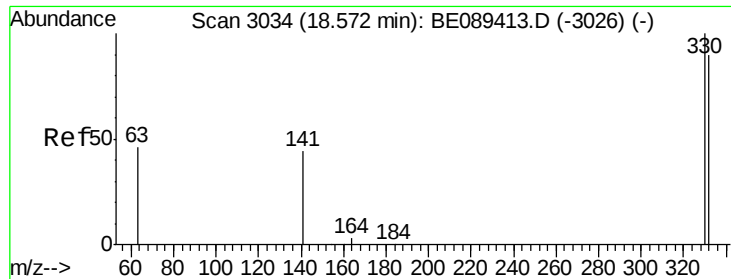


Abundance Ion 164.00 (163.70 to 164.70): BE089422.D (-2735) (-)

Ion 162.00 (161.70 to 162.70): BE089422.D (-2735) (-)

Ion 160.00 (159.70 to 160.70): BE089422.D (-2735) (-)

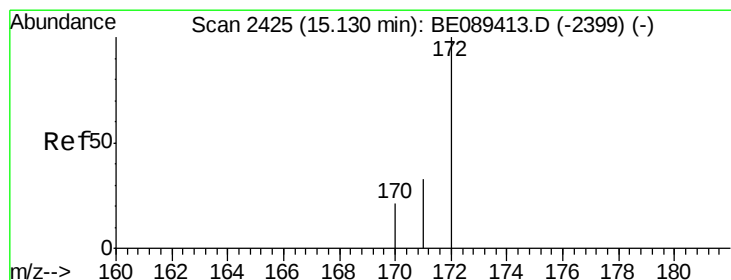
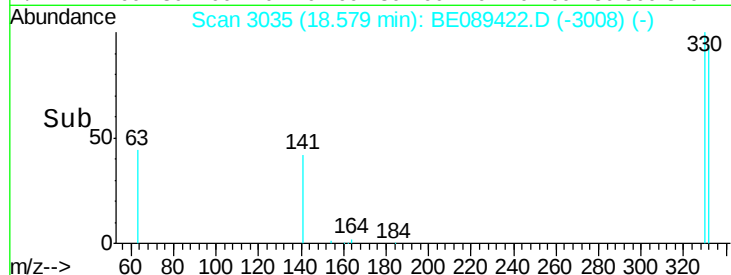
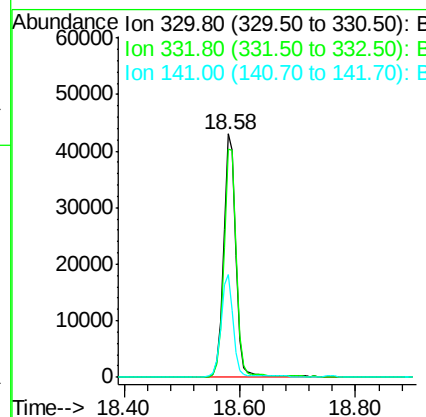
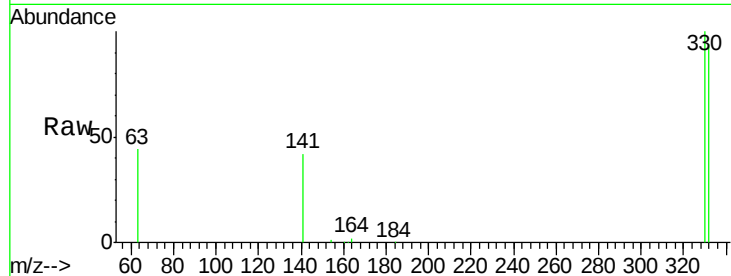




#14
 2,4,6-Tribromophenol
 Concen: 10.23 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. 0.01 min
 Lab File: BE089422.D
 Acq: 29 Jan 2015 20:23

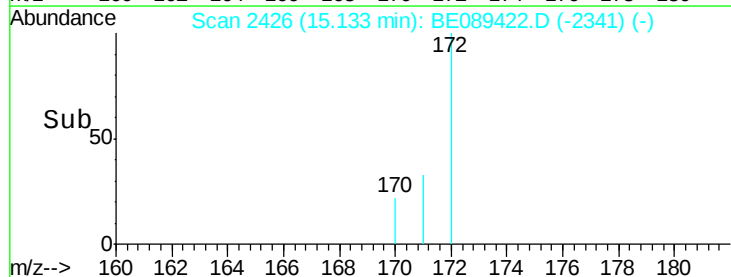
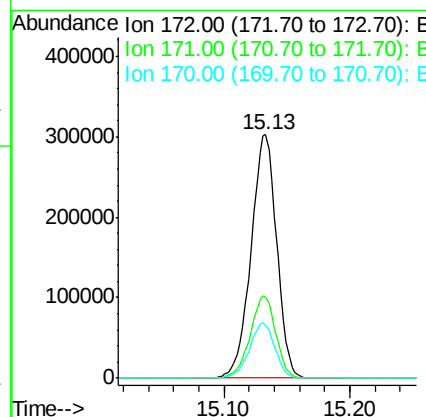
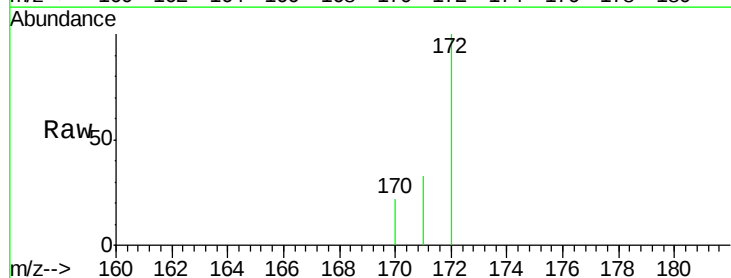
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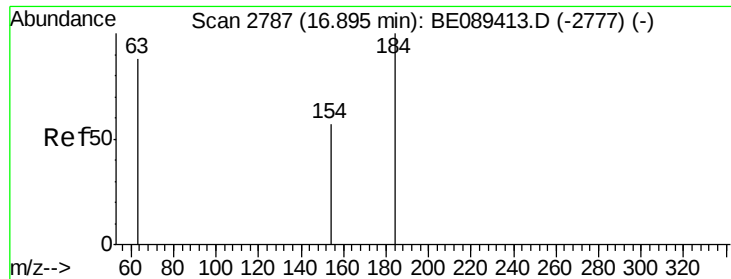
Tgt Ion:330 Resp: 64571
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.0 114.0
 141 42.0 35.6 53.4



#15
 2-Fluorobiphenyl
 Concen: 6.68 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE089422.D
 Acq: 29 Jan 2015 20:23

Tgt Ion:172 Resp: 426389
 Ion Ratio Lower Upper
 172 100
 171 33.0 26.6 39.8
 170 21.9 17.1 25.7

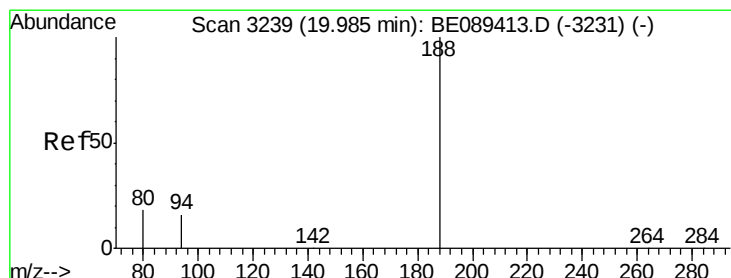
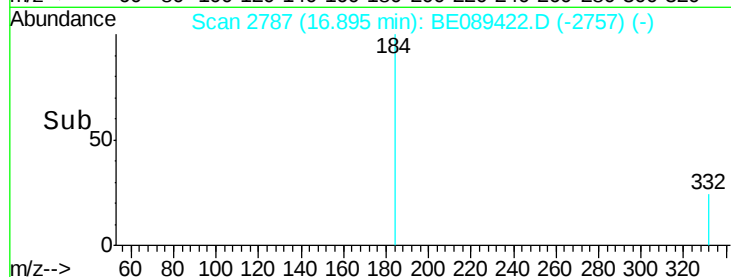
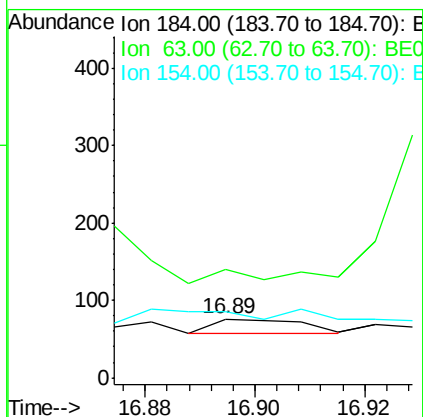
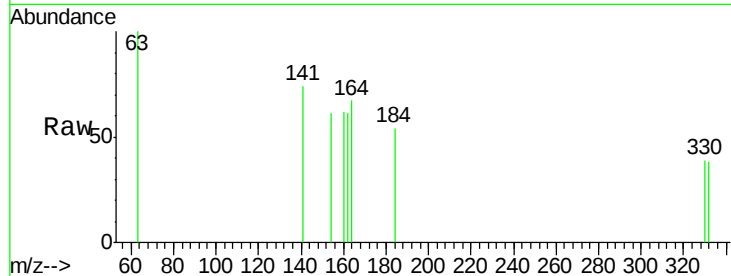




#16
2,4-Dinitrophenol
Concen: 0.30 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089422.D
Acq: 29 Jan 2015 20:23

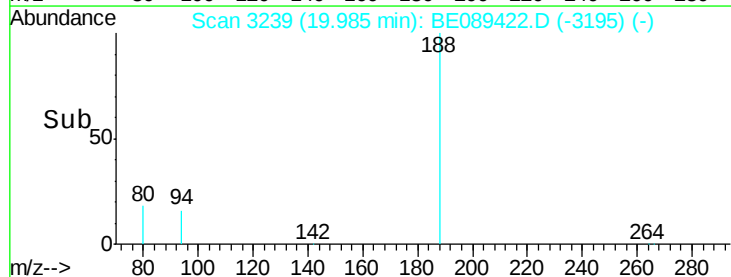
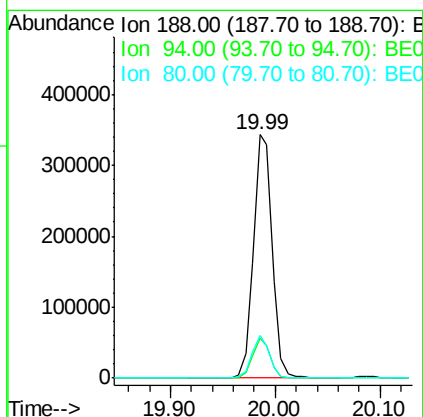
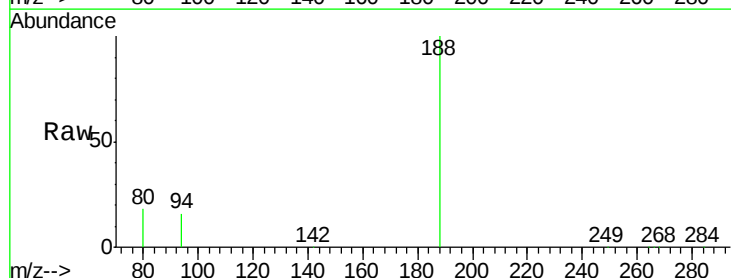
Instrument :
BNA_E
ClientSampleId :
EB-2015-1-15

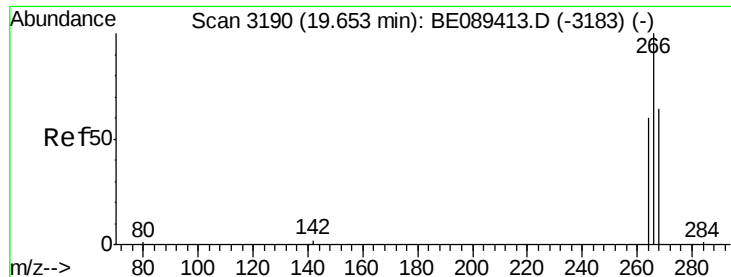
Tgt Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 184.2 79.0 118.4#
154 111.8 55.8 83.6#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BE089422.D
Acq: 29 Jan 2015 20:23

Tgt Ion:188 Resp: 427875
Ion Ratio Lower Upper
188 100
94 16.3 13.0 19.6
80 17.6 14.2 21.4





#19

Pentachlorophenol

Concen: 0.21 ng

RT: 19.67 min Scan# 3192

Delta R.T. 0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

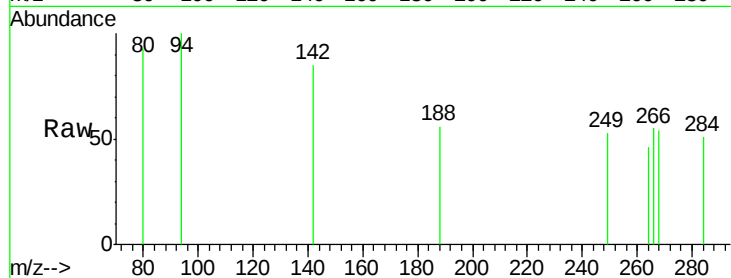
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 97.1 51.9 77.9#

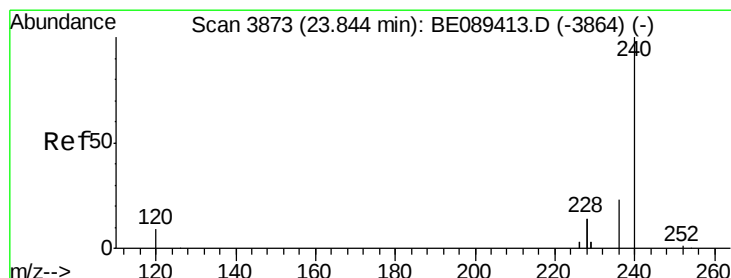
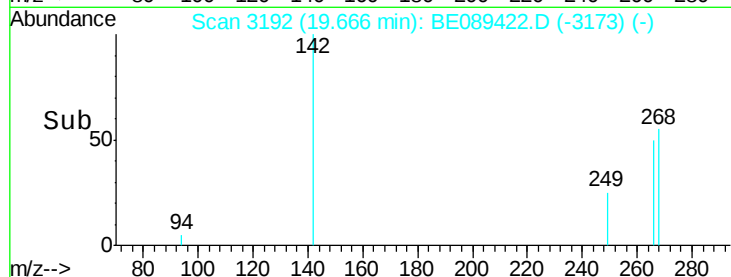
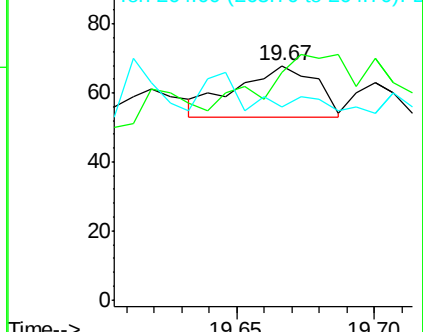
264 82.4 48.5 72.7#



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



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

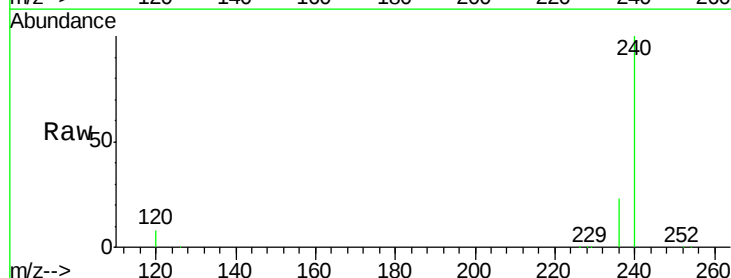
Tgt Ion:240 Resp: 551779

Ion Ratio Lower Upper

240 100

120 7.6 6.9 10.3

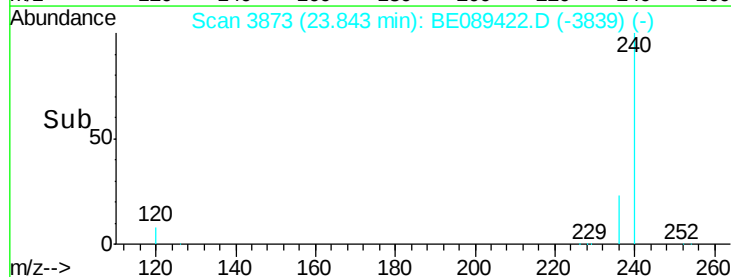
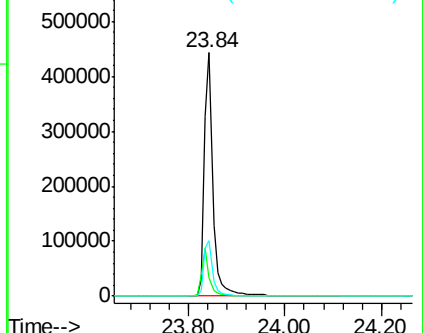
236 22.6 18.2 27.2

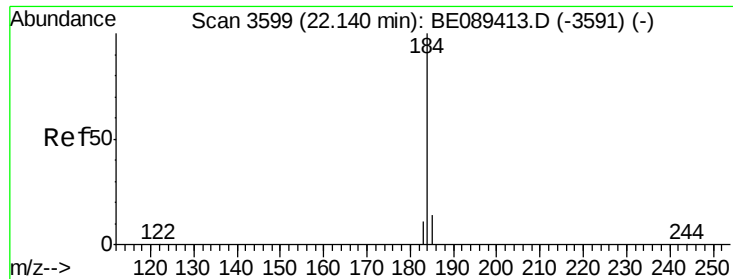


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.28 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

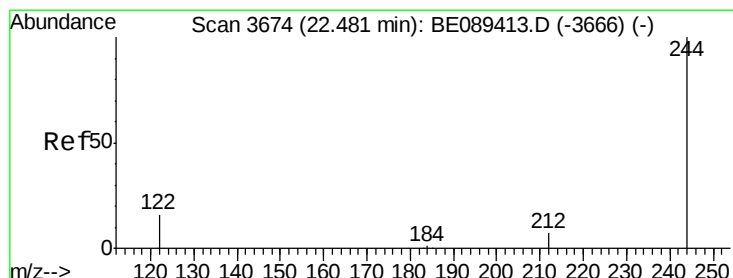
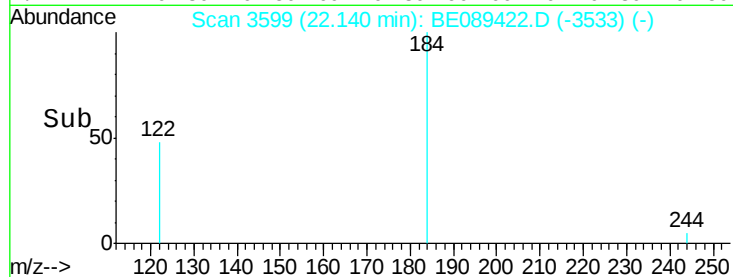
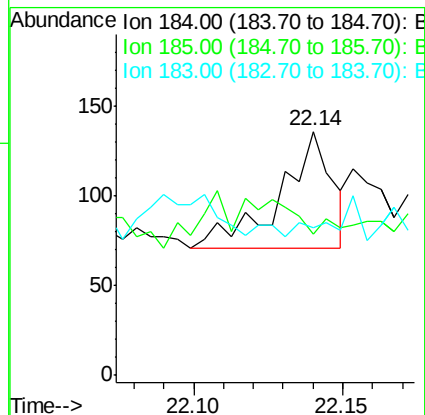
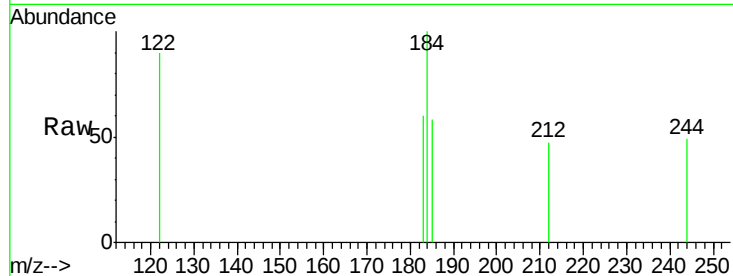
Tgt Ion:184 Resp: 79

Ion Ratio Lower Upper

184 100

185 58.1 11.0 16.6#

183 60.3 8.6 13.0#



#22

Terphenyl-d14

Concen: 9.40 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

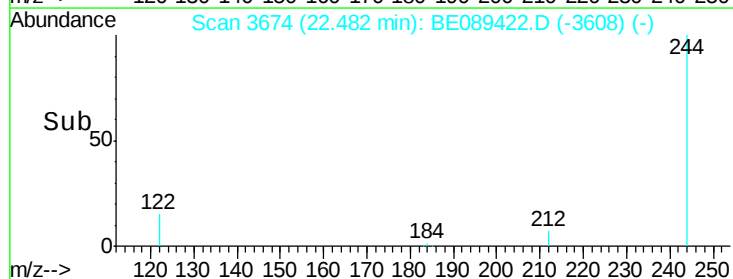
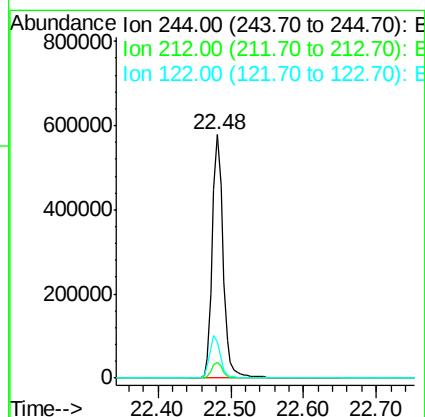
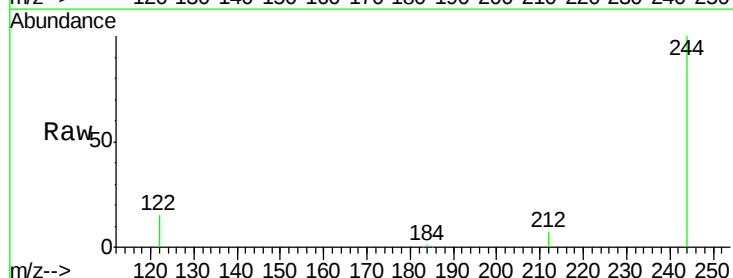
Tgt Ion:244 Resp: 599367

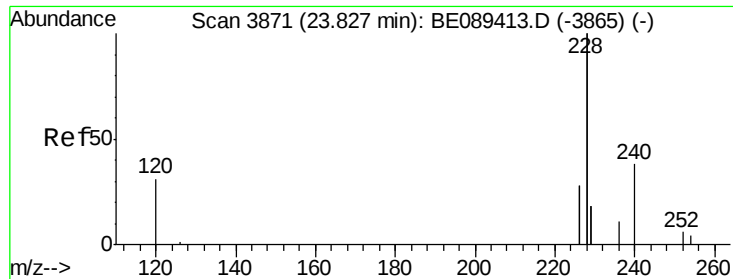
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 15.0 13.2 19.8





#23

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.83 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

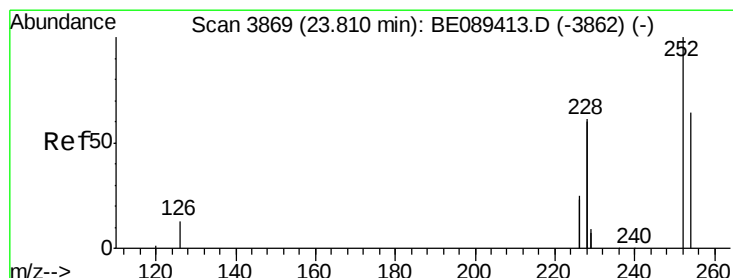
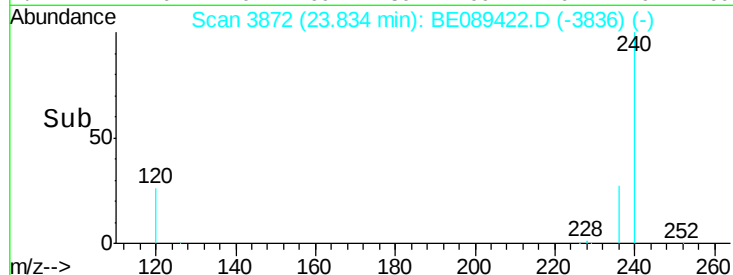
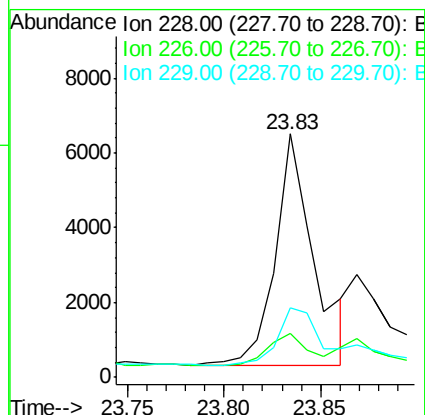
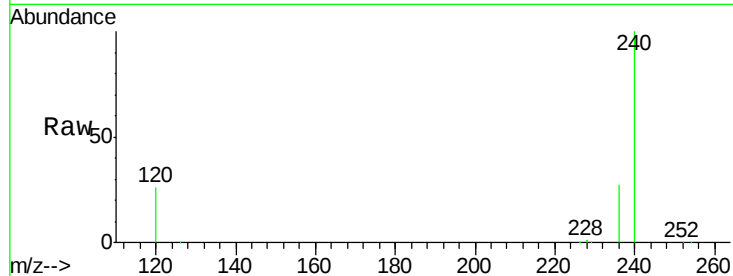
Tgt Ion:228 Resp: 8612

Ion Ratio Lower Upper

228 100

226 18.0 22.6 33.8#

229 28.5 14.5 21.7#



#24

3,3'-Dichlorobenzidine

Concen: 0.31 ng

RT: 23.81 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

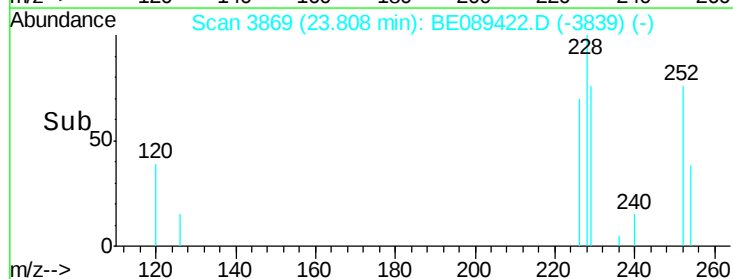
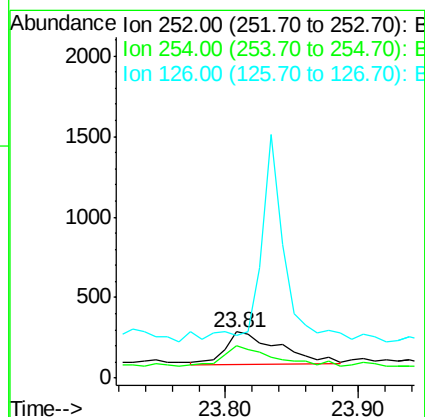
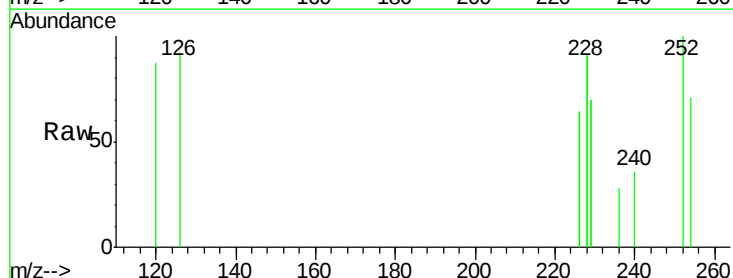
Tgt Ion:252 Resp: 559

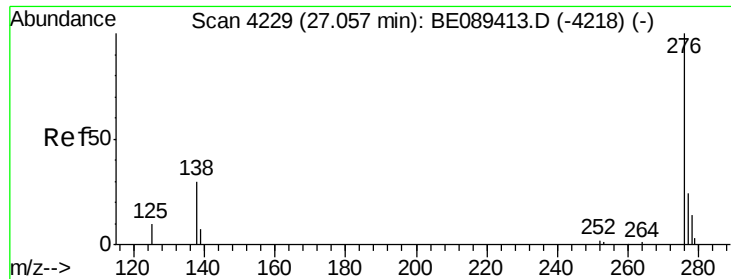
Ion Ratio Lower Upper

252 100

254 71.3 51.1 76.7

126 92.0 11.5 17.3#

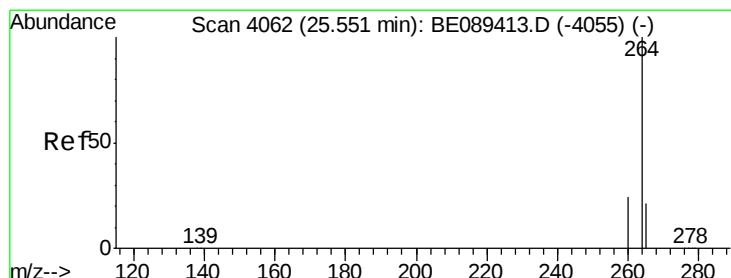
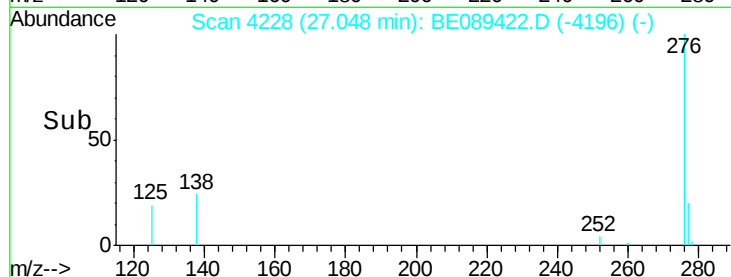
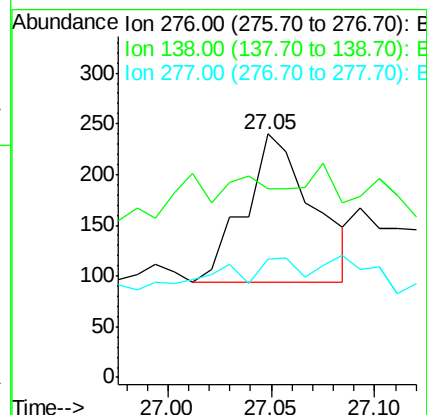
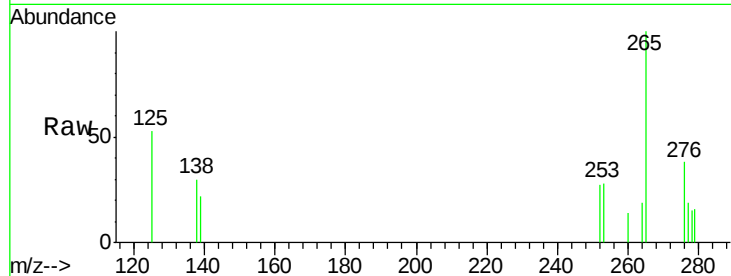




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng
RT: 27.05 min Scan# 4228
Delta R.T. -0.01 min
Lab File: BE089422.D
Acq: 29 Jan 2015 20:23

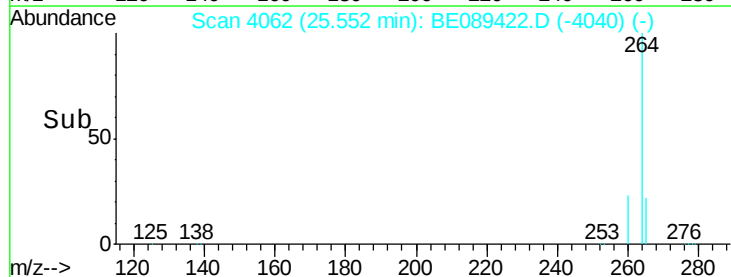
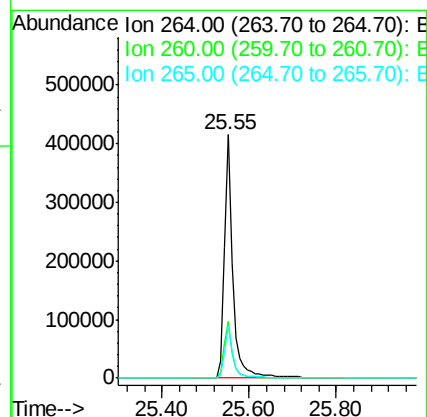
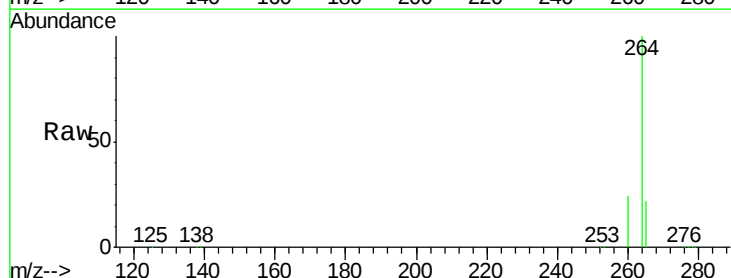
Instrument :
BNA_E
ClientSampleId :
EB-2015-1-15

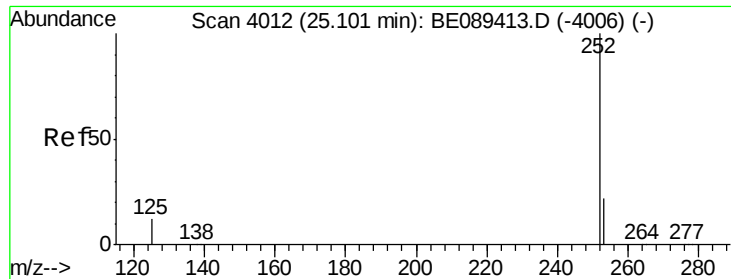
Tgt Ion: 276 Resp: 333
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
277 8.7 0.0 0.0#



#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4062
Delta R.T. 0.00 min
Lab File: BE089422.D
Acq: 29 Jan 2015 20:23

Tgt Ion: 264 Resp: 580478
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 21.7 17.1 25.7





#28

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 25.12 min Scan# 4014

Delta R.T. 0.02 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

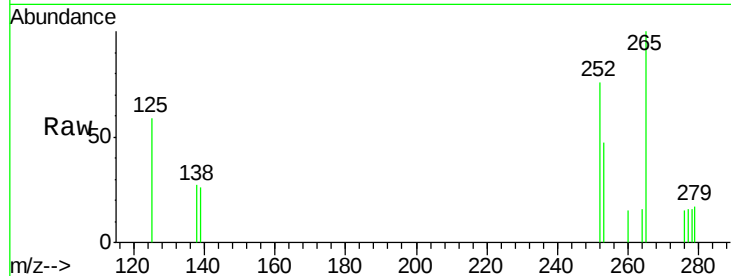
Tgt Ion:252 Resp: 1156

Ion Ratio Lower Upper

252 100

253 62.4 17.6 26.4#

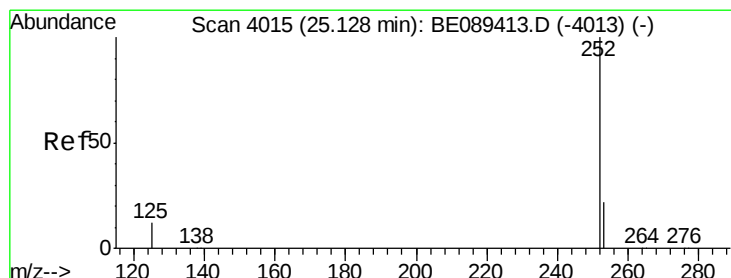
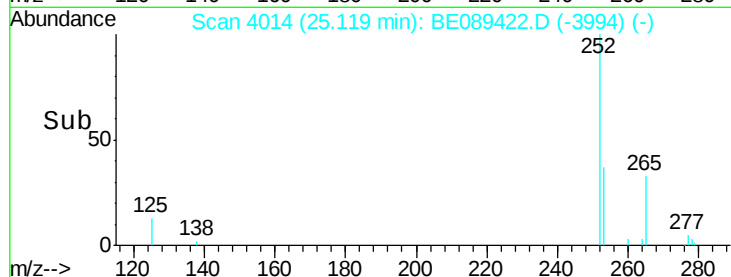
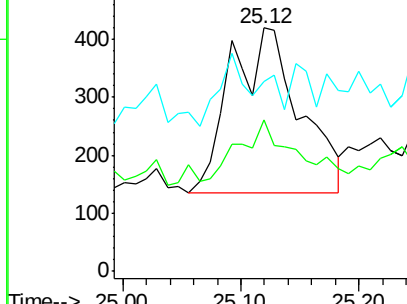
125 77.9 10.5 15.7#



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



#29

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 25.12 min Scan# 4014

Delta R.T. -0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

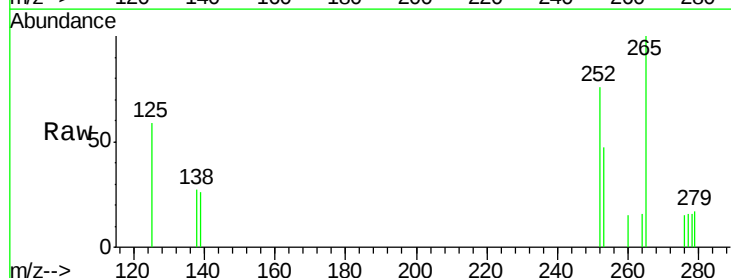
Tgt Ion:252 Resp: 1156

Ion Ratio Lower Upper

252 100

253 62.4 17.4 26.2#

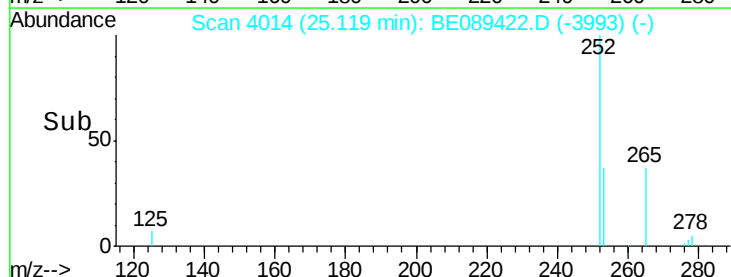
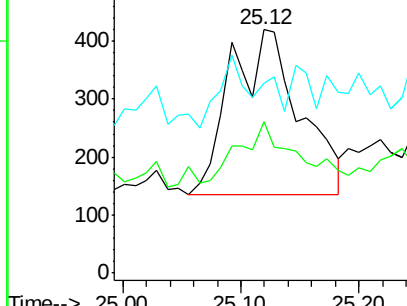
125 77.9 11.0 16.6#

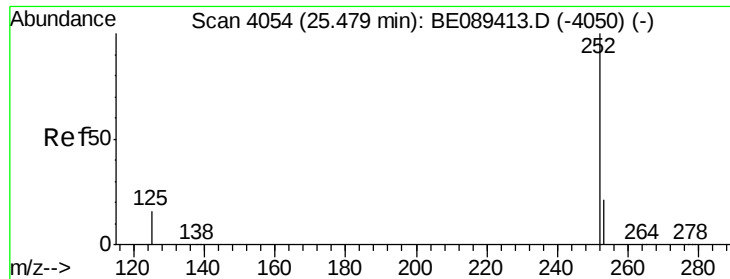


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.16 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-15

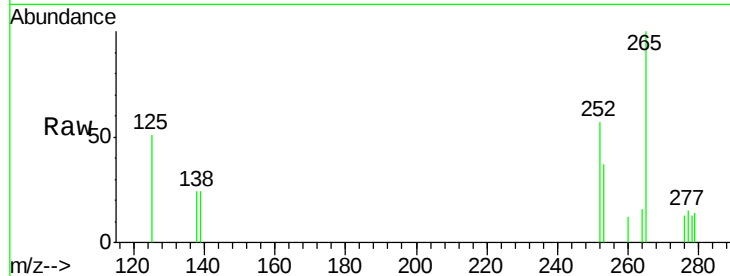
Tgt Ion: 252 Resp: 366

Ion Ratio Lower Upper

252 100

253 64.2 17.3 25.9#

125 89.1 13.0 19.6#

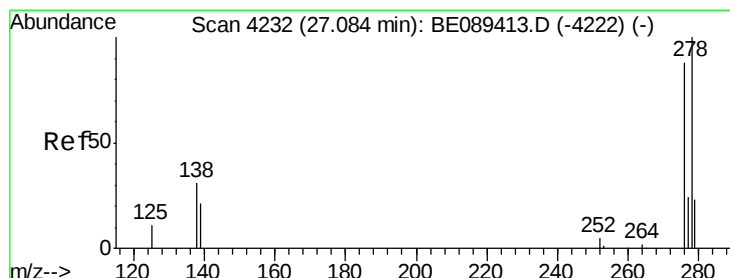
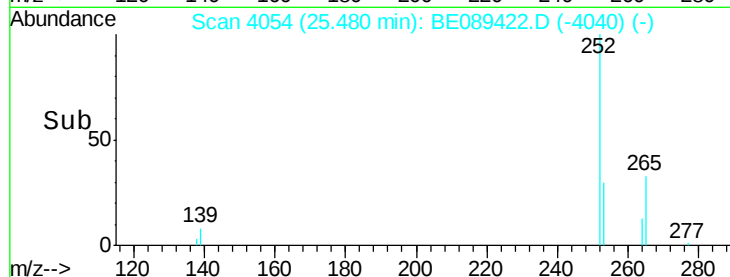
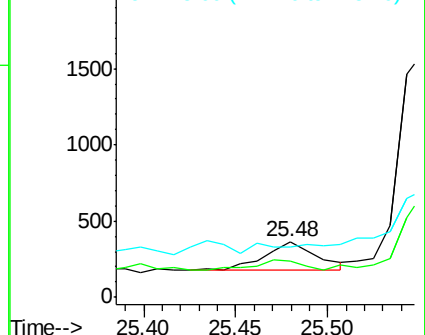


Abundance

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



#31

Dibenzo(a,h)anthracene

Concen: 0.43 ng

RT: 27.09 min Scan# 4233

Delta R.T. 0.01 min

Lab File: BE089422.D

Acq: 29 Jan 2015 20:23

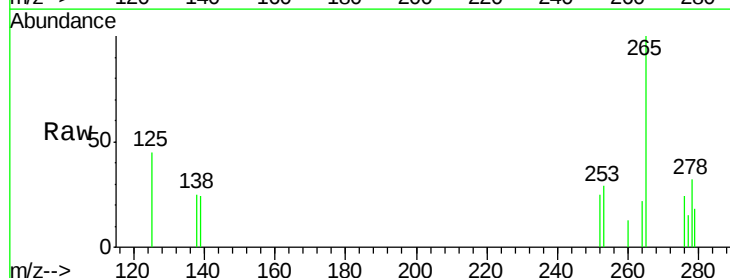
Tgt Ion: 278 Resp: 365

Ion Ratio Lower Upper

278 100

139 74.7 17.2 25.8#

279 55.7 19.2 28.8#



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

