

Data Path : Z:\HPCHEM1\BNA_E\Data\BE022615\
 Data File : BE089713.D
 Acq On : 27 Feb 2015 5:57
 Operator : TP/JJ
 Sample : G1382-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW3-022515

Quant Time: Feb 27 14:08:58 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 13:38:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	45639	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	193073	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	88106	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	165716	5.00	ng	0.00
20) Chrysene-d12	23.65	240	143446	5.00	ng	0.00
27) Perylene-d12	25.34	264	122119	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.49	112	64407	5.83	ng	0.00
4) Phenol-d6	8.61	99	51980	3.47	ng	0.00
8) Nitrobenzene-d5	10.60	82	108467	9.07	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	19737	13.00	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	197754	10.10	ng	0.00
22) Terphenyl-d14	22.30	244	211866	12.19	ng	0.00

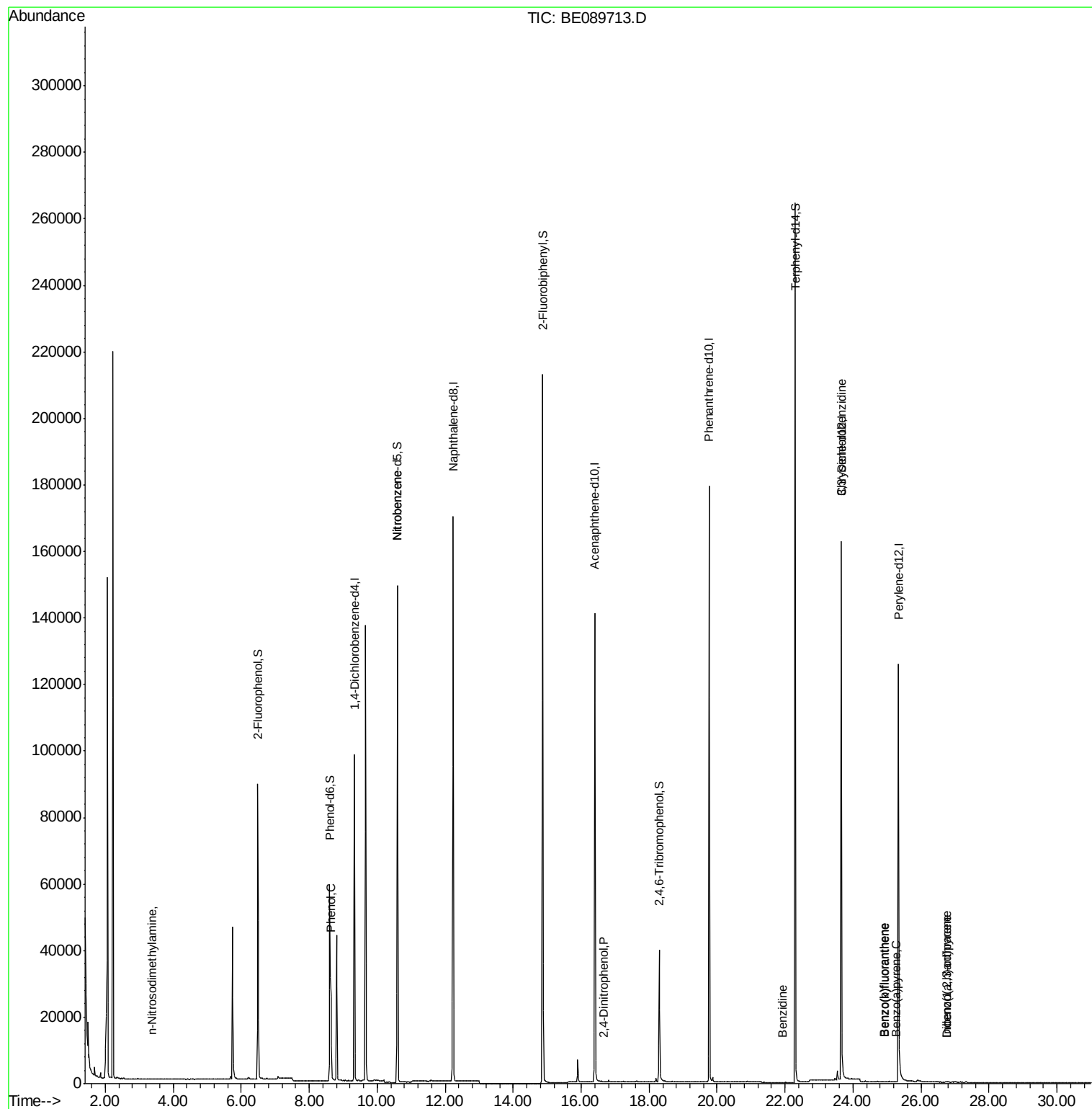
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.38	42	8	0.16	ng	# 1
5) Phenol	8.64	94	16915	1.03	ng	# 61
9) Nitrobenzene	10.60	77	458	0.04	ng	# 30
16) 2,4-Dinitrophenol	16.66	184	5	0.32	ng	# 54
19) Pentachlorophenol	19.43	266	26	Below Cal		# 71
21) Benzidine	21.93	184	19	0.24	ng	# 1
24) 3,3'-Dichlorobenzidine	23.65	252	11	0.43	ng	# 1
26) Indeno(1,2,3-cd)pyrene	26.74	276	66	0.38	ng	# 53
28) Benzo(b)fluoranthene	24.91	252	77	0.41	ng	# 1
29) Benzo(k)fluoranthene	24.93	252	60	0.11	ng	# 1
30) Benzo(a)pyrene	25.27	252	29	0.37	ng	# 1
31) Dibenzo(a,h)anthracene	26.77	278	50	0.40	ng	# 1

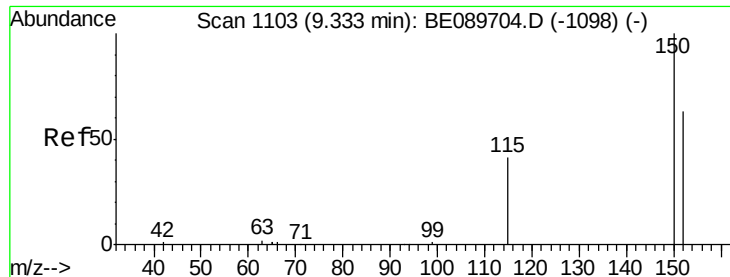
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

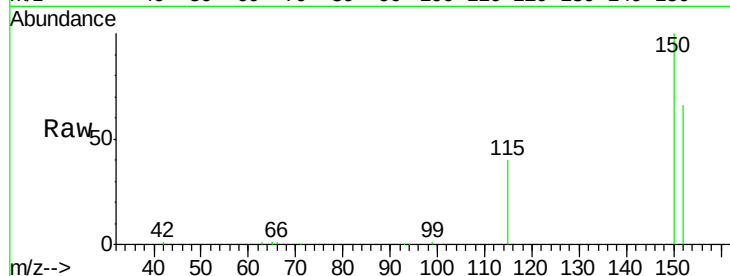
Tgt Ion:152 Resp: 45639

Ion Ratio Lower Upper

152 100

150 152.5 127.3 190.9

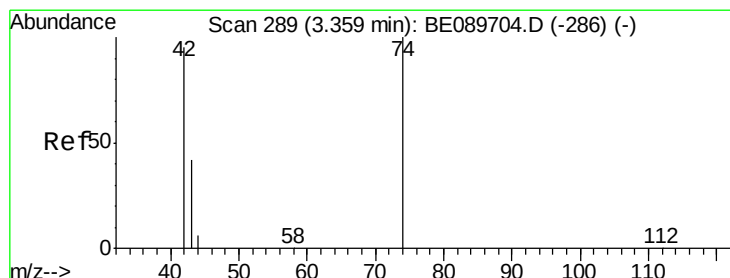
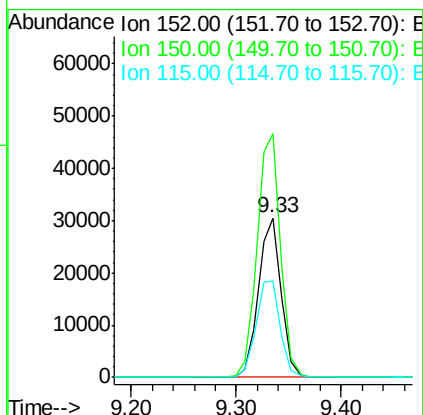
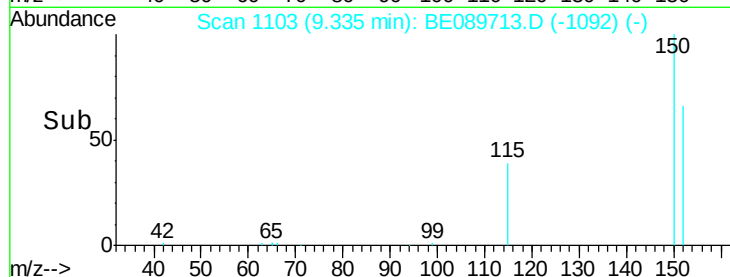
115 60.3 52.0 78.0



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: 0.16 ng

RT: 3.38 min Scan# 292

Delta R.T. 0.02 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

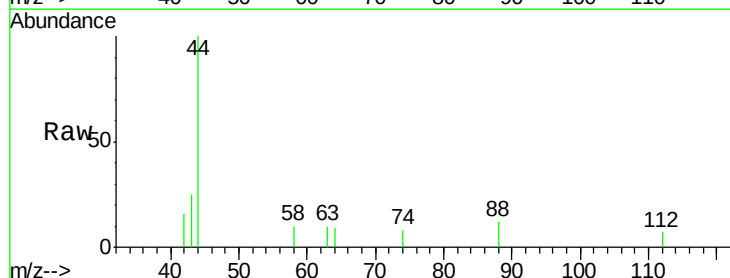
Tgt Ion: 42 Resp: 8

Ion Ratio Lower Upper

42 100

74 50.0 83.8 125.8#

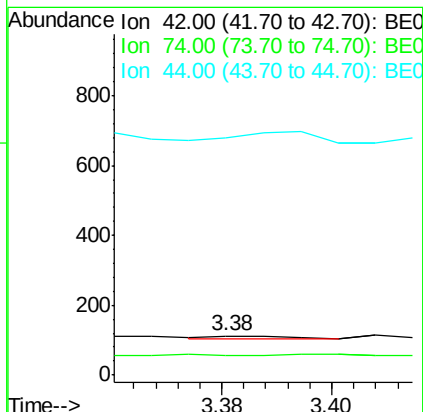
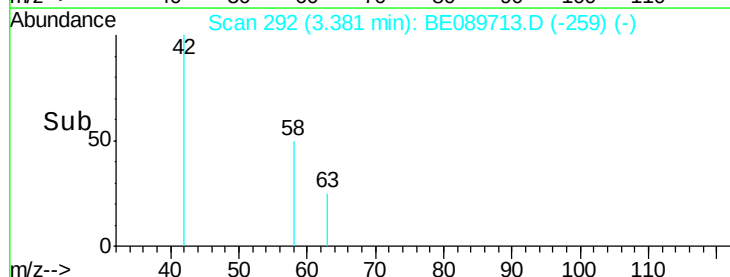
44 607.1 19.0 28.6#

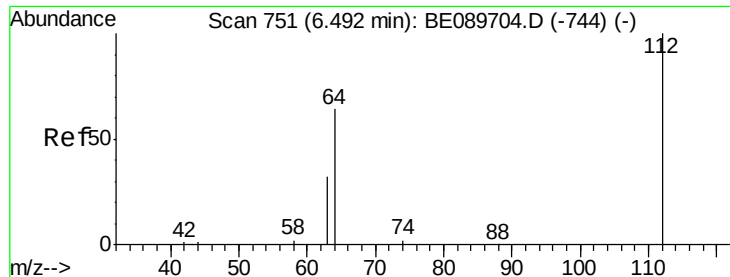


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

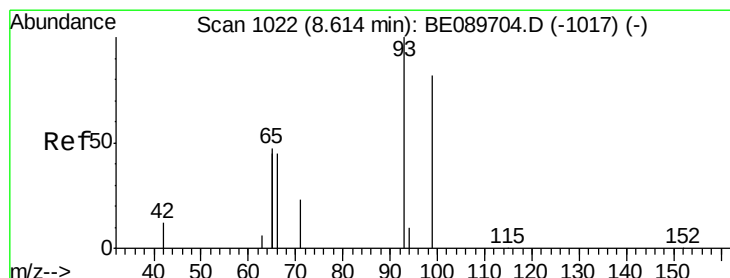
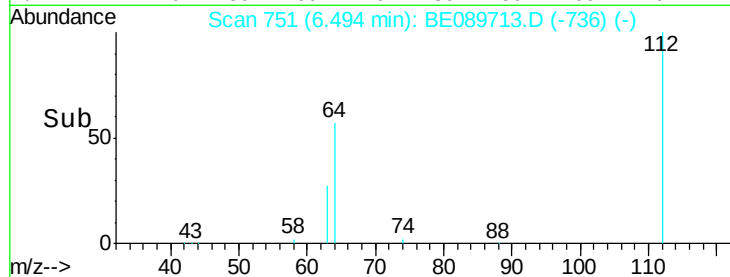
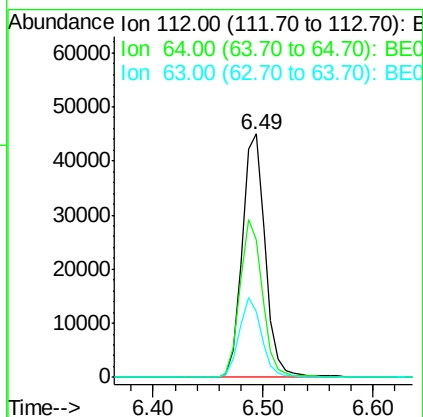
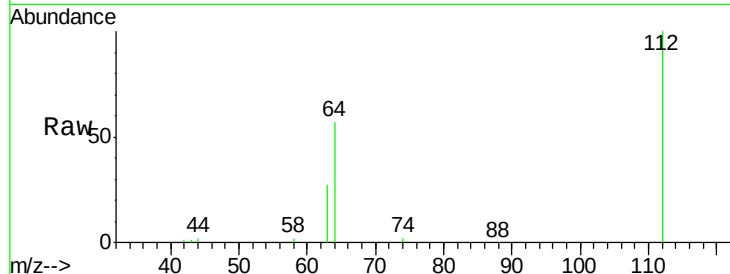




#3
 2-Fluorophenol
 Concen: 5.83 ng
 RT: 6.49 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BE089713.D
 Acq: 27 Feb 2015 5:57

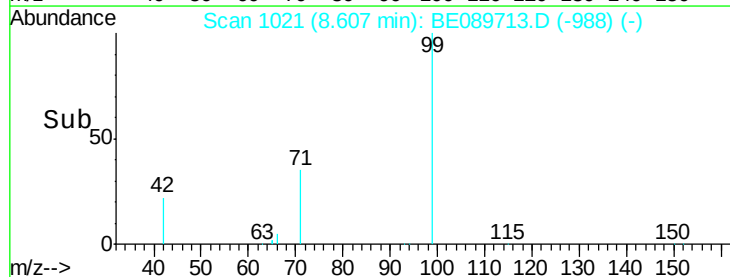
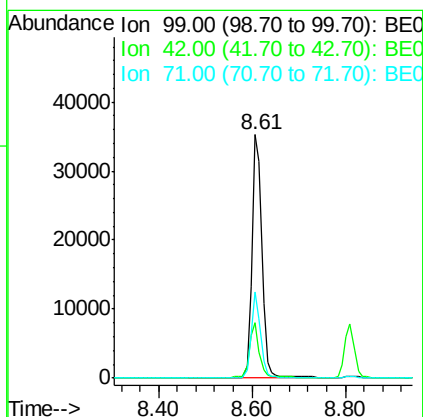
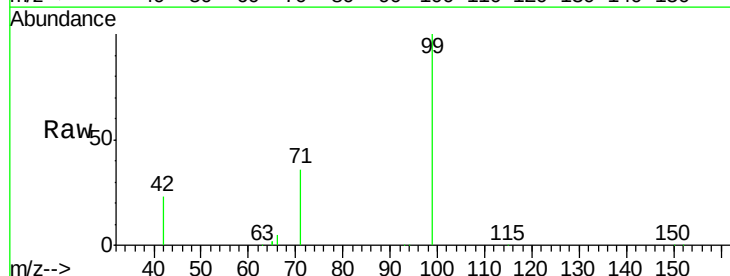
Instrument :
 BNA_E
 ClientSampleId :
 MW3-022515

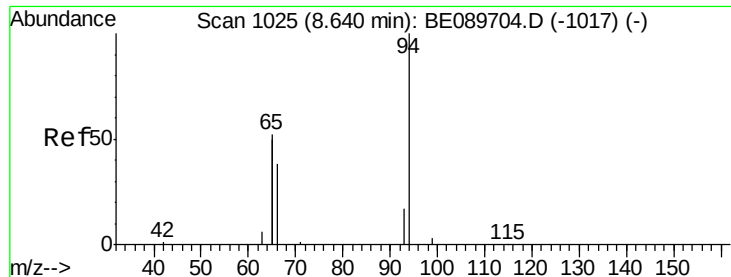
Tgt Ion: 112 Resp: 64407
 Ion Ratio Lower Upper
 112 100
 64 56.6 51.3 76.9
 63 27.1 26.2 39.2



#4
 Phenol-d6
 Concen: 3.47 ng
 RT: 8.61 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE089713.D
 Acq: 27 Feb 2015 5:57

Tgt Ion: 99 Resp: 51980
 Ion Ratio Lower Upper
 99 100
 42 22.7 12.3 18.5#
 71 35.5 22.9 34.3#





#5

Phenol

Concen: 1.03 ng

RT: 8.64 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

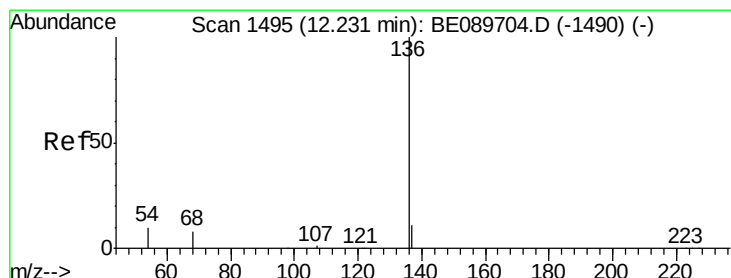
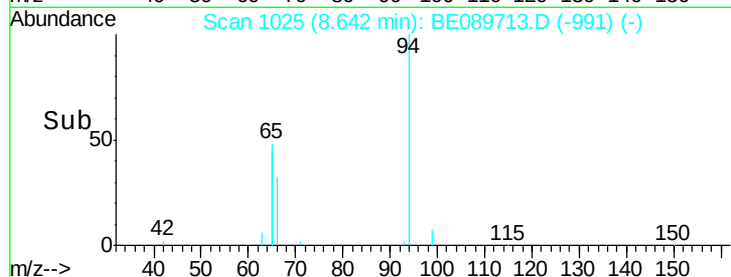
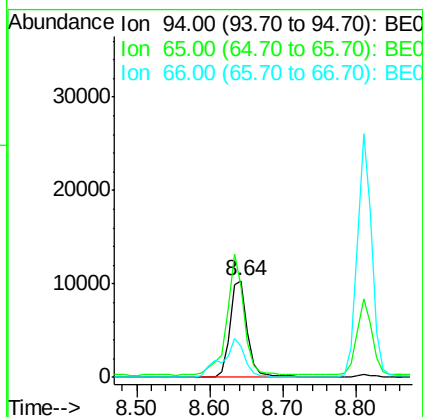
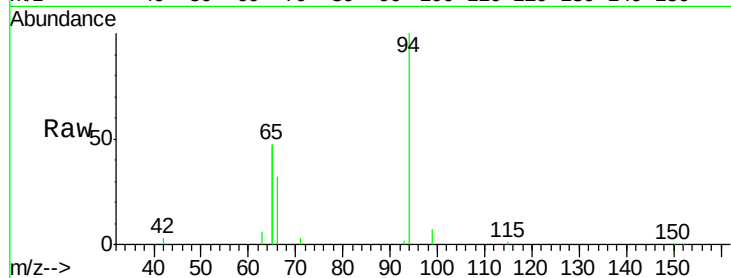
BNA_E

ClientSampleId :

MW3-022515

Tgt Ion: 94 Resp: 16915

Ion	Ratio	Lower	Upper
94	100		
65	94.7	31.7	71.7#
66	32.5	17.9	57.9



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

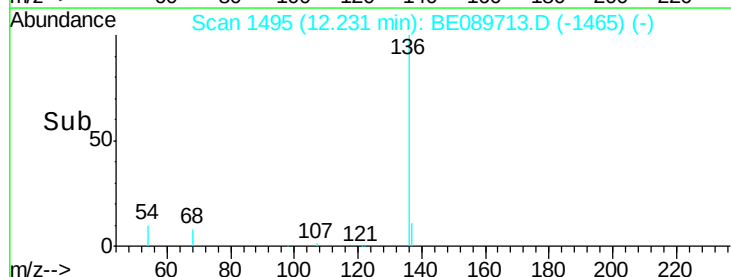
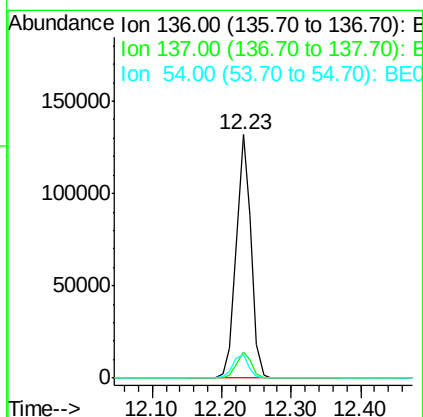
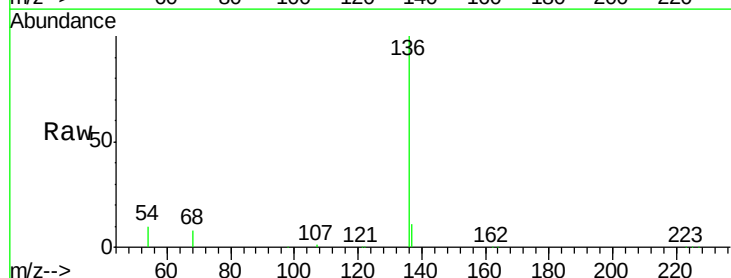
Delta R.T. -0.00 min

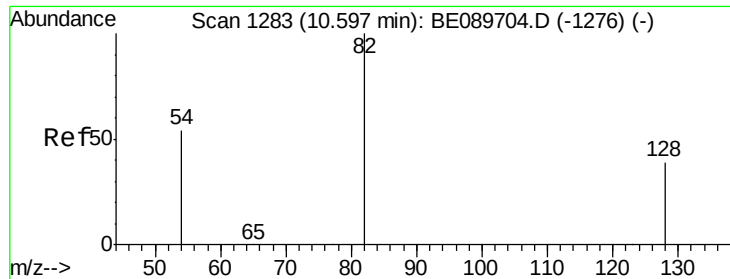
Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Tgt Ion: 136 Resp: 193073

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.6	8.1	12.1





#8

Nitrobenzene-d5

Concen: 9.07 ng

RT: 10.60 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

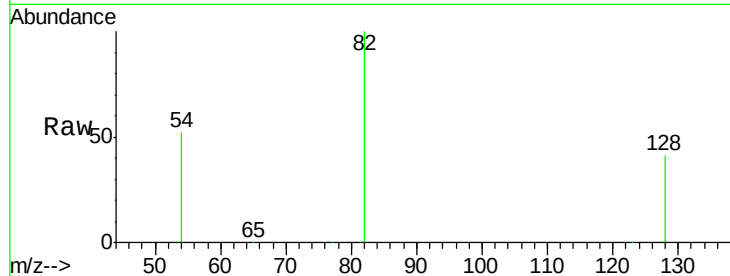
Tgt Ion: 82 Resp: 108467

Ion Ratio Lower Upper

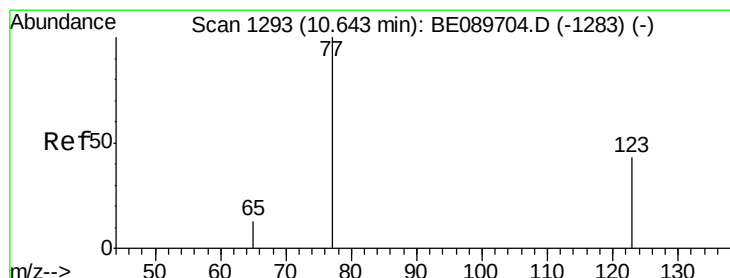
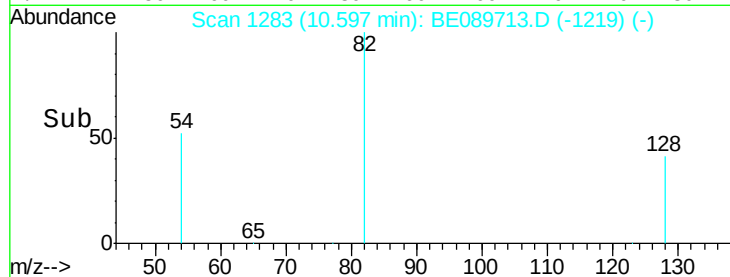
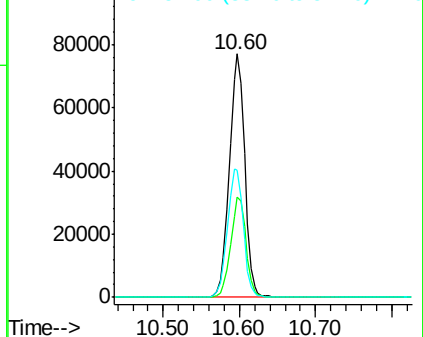
82 100

128 41.2 31.4 47.2

54 52.4 43.8 65.8



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



#9

Nitrobenzene

Concen: 0.04 ng

RT: 10.60 min Scan# 1283

Delta R.T. -0.05 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

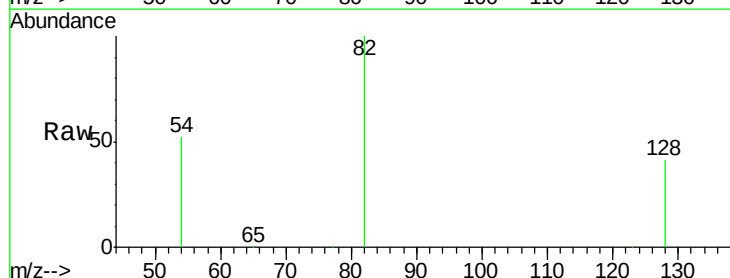
Tgt Ion: 77 Resp: 458

Ion Ratio Lower Upper

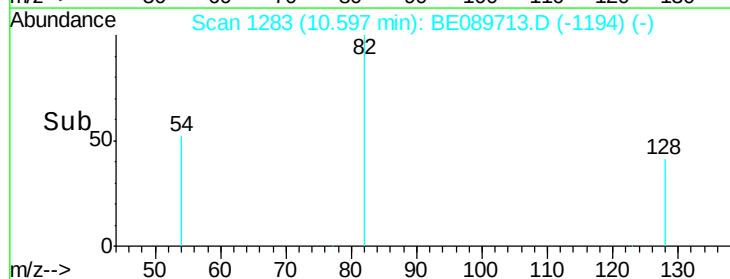
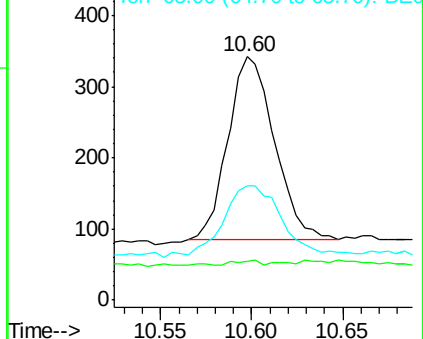
77 100

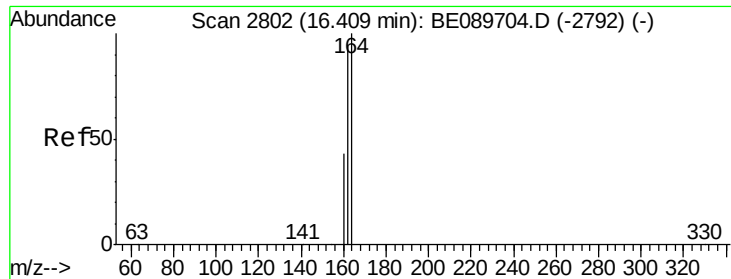
123 0.0 33.2 49.8#

65 45.4 10.6 15.8#



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





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.40 min Scan# 2801

Delta R.T. -0.01 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

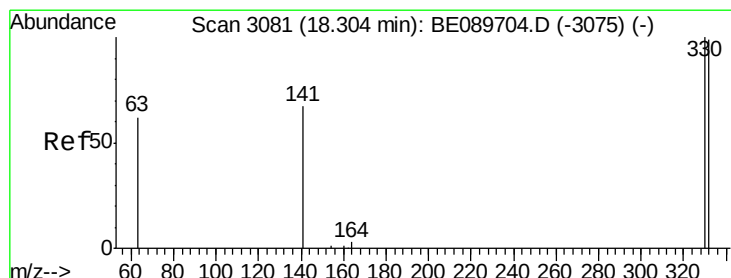
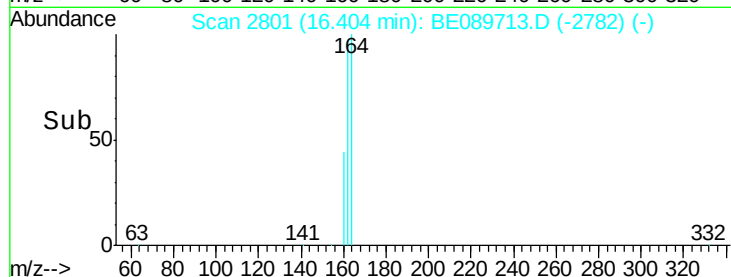
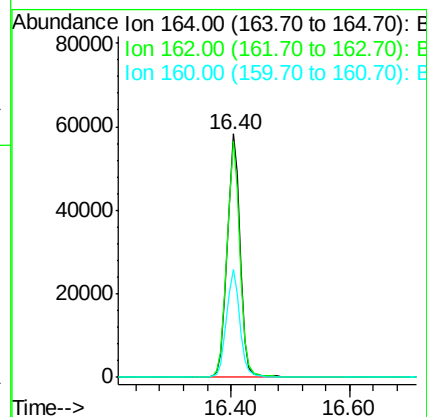
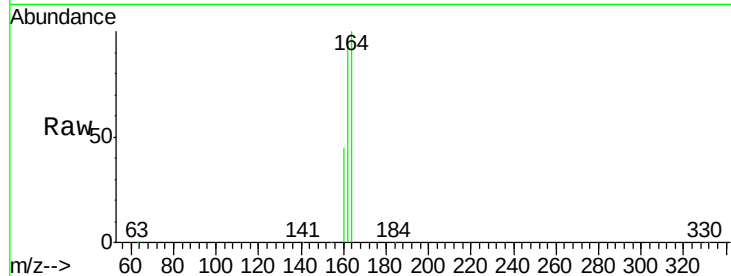
Tgt Ion:164 Resp: 88106

Ion Ratio Lower Upper

164 100

162 97.0 75.0 112.6

160 44.5 34.3 51.5



#14

2,4,6-Tribromophenol

Concen: 13.00 ng

RT: 18.31 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

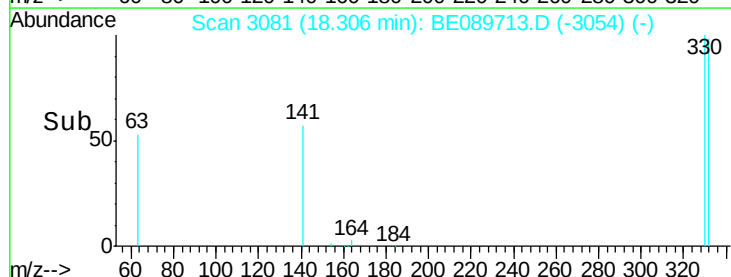
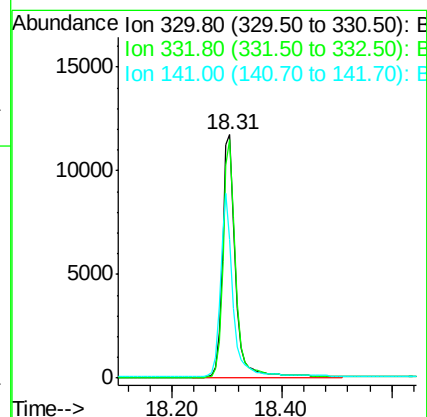
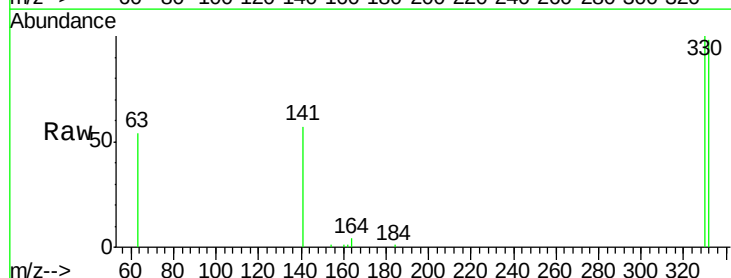
Tgt Ion:330 Resp: 19737

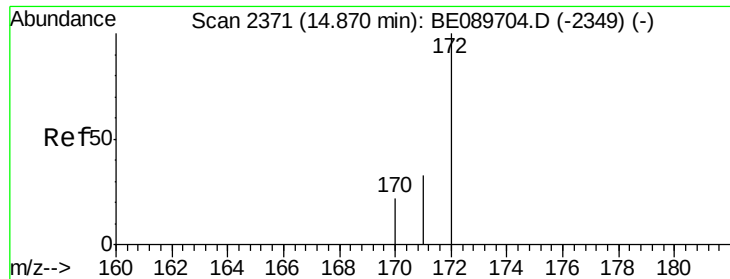
Ion Ratio Lower Upper

330 100

332 95.9 0.0 0.0#

141 73.8 0.0 0.0#

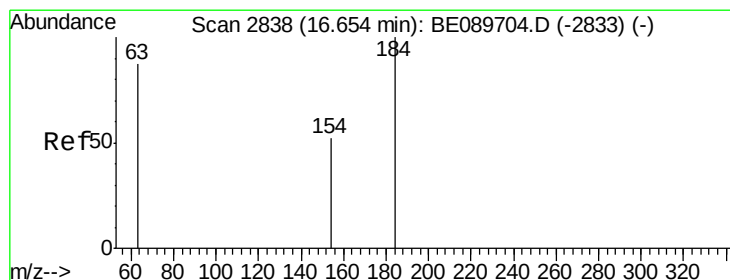
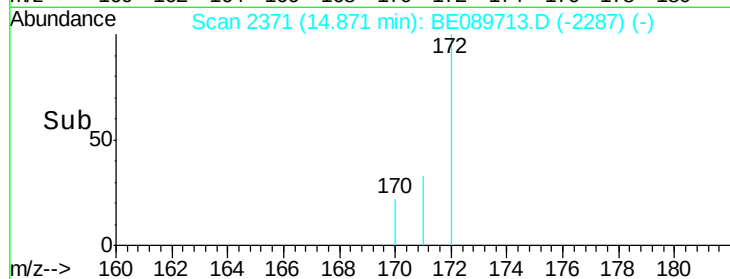
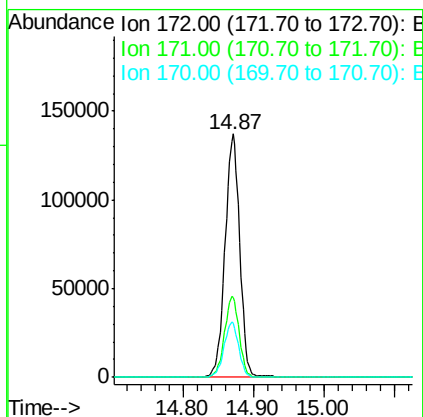
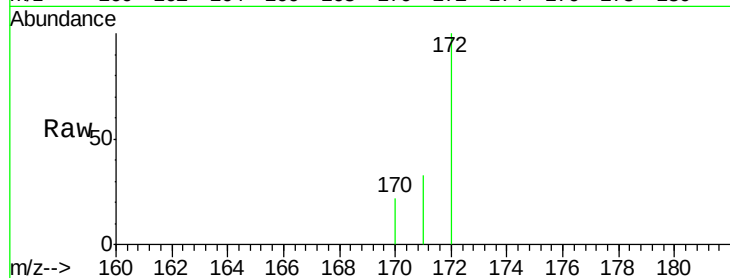




#15
2-Fluorobiphenyl
Concen: 10.10 ng
RT: 14.87 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BE089713.D
Acq: 27 Feb 2015 5:57

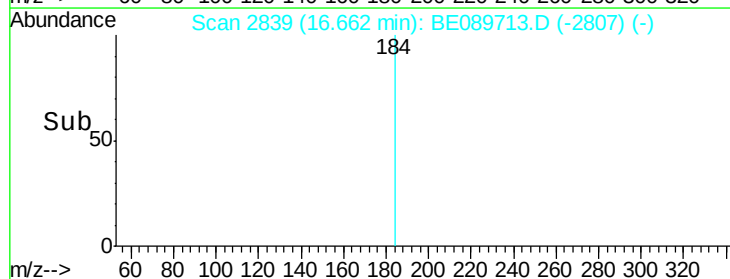
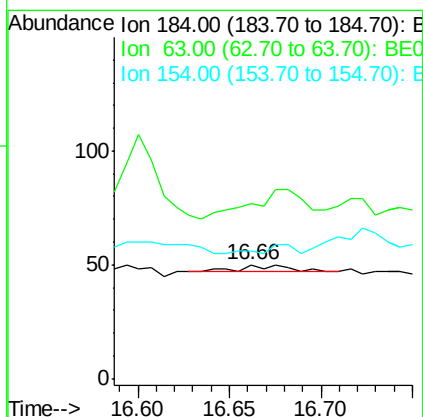
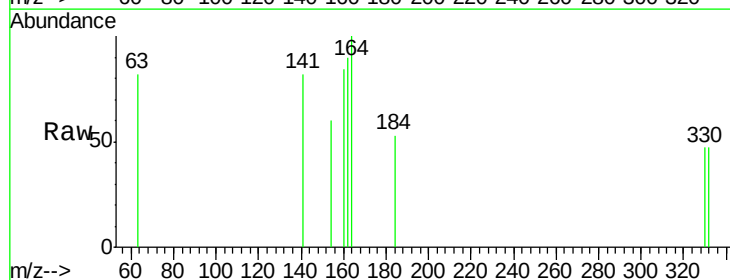
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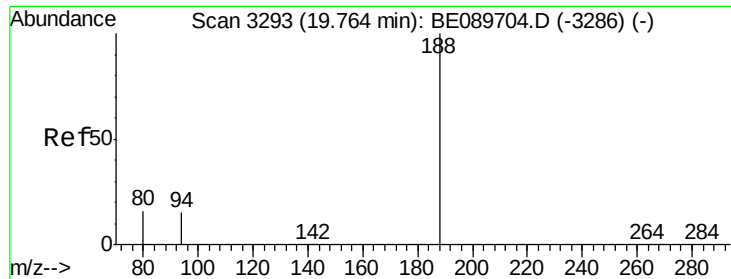
Tgt Ion:172 Resp: 197754
Ion Ratio Lower Upper
172 100
171 33.0 26.8 40.2
170 22.3 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 0.32 ng
RT: 16.66 min Scan# 2839
Delta R.T. 0.01 min
Lab File: BE089713.D
Acq: 27 Feb 2015 5:57

Tgt Ion:184 Resp: 5
Ion Ratio Lower Upper
184 100
63 154.0 82.4 123.6#
154 112.0 61.4 92.2#





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.76 min Scan# 3293

Delta R.T. -0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

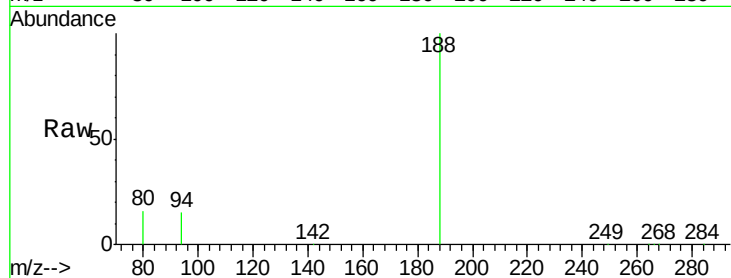
Instrument :

BNA_E

ClientSampleId :

MW3-022515

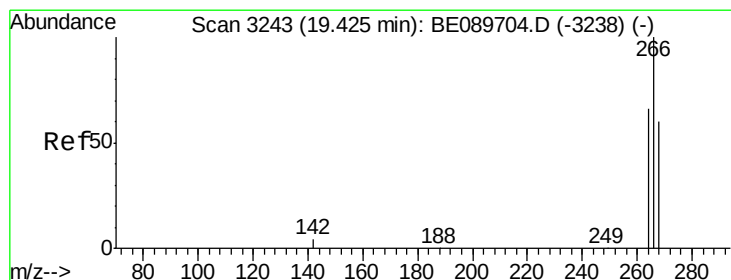
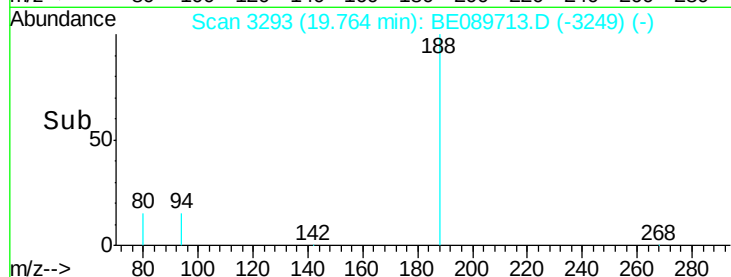
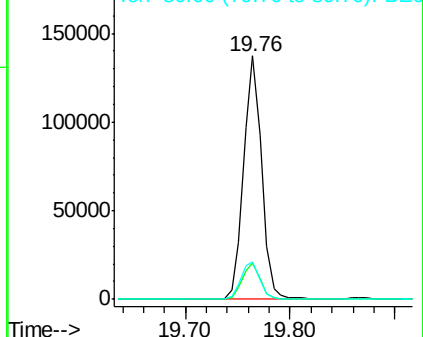
Tgt Ion:	188	Resp:	165716
Ion	Ratio	Lower	Upper
188	100		
94	14.8	12.1	18.1
80	15.5	12.7	19.1



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



#19

Pentachlorophenol

Concen: Below Cal

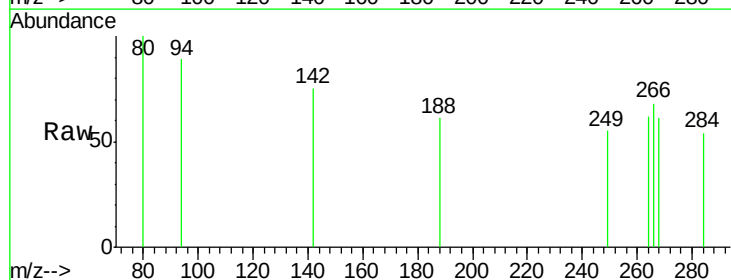
RT: 19.43 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

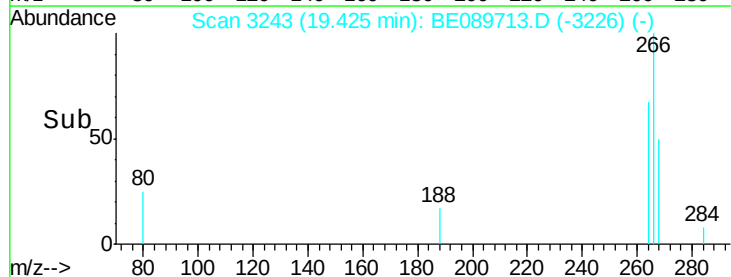
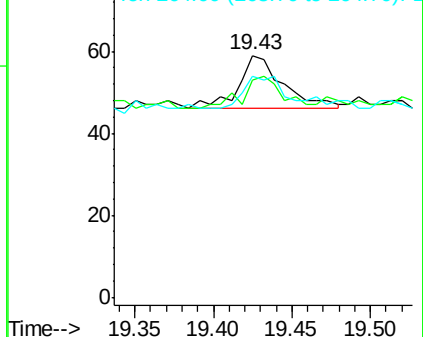
Tgt Ion:	266	Resp:	26
Ion	Ratio	Lower	Upper
266	100		
268	89.8	51.4	77.2#
264	91.5	55.8	83.8#

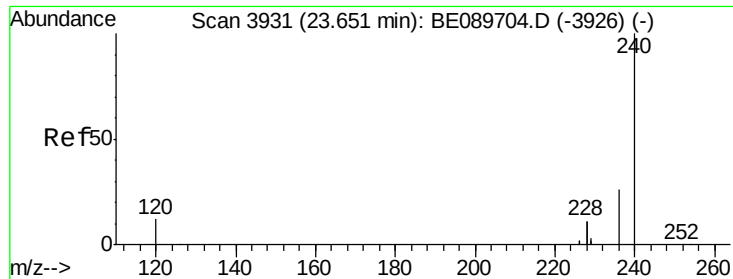


Abundance Ion 265.70 (265.40 to 266.40): E

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: 23.65 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

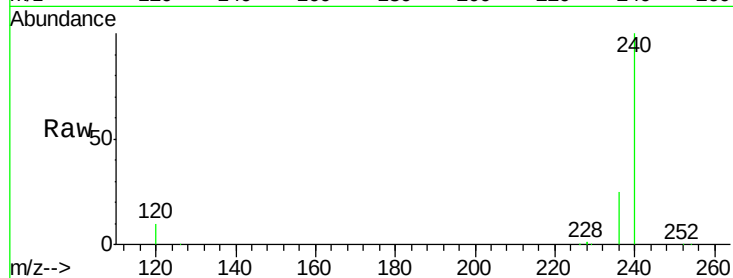
Tgt Ion:240 Resp: 143446

Ion Ratio Lower Upper

240 100

120 9.6 9.9 14.9#

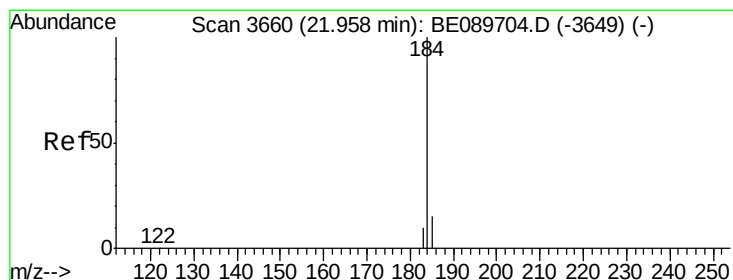
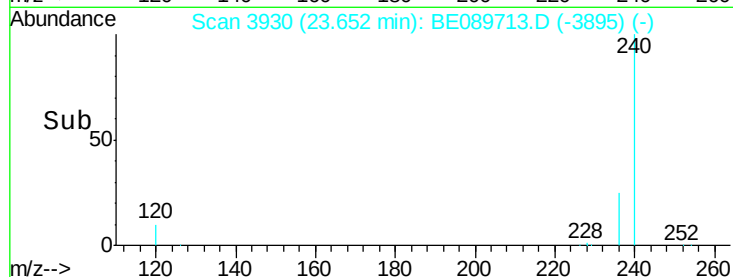
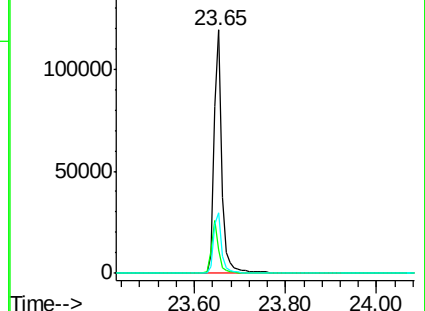
236 25.0 21.0 31.6



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: 0.24 ng

RT: 21.93 min Scan# 3653

Delta R.T. -0.03 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

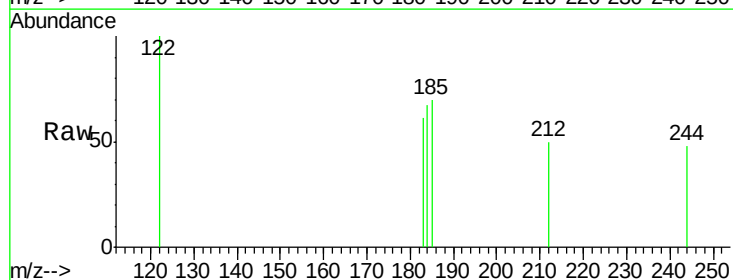
Tgt Ion:184 Resp: 19

Ion Ratio Lower Upper

184 100

185 104.3 12.8 19.2#

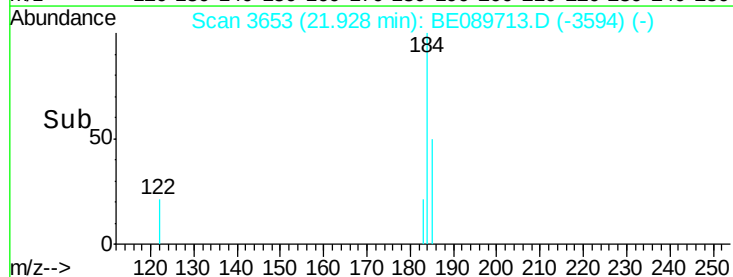
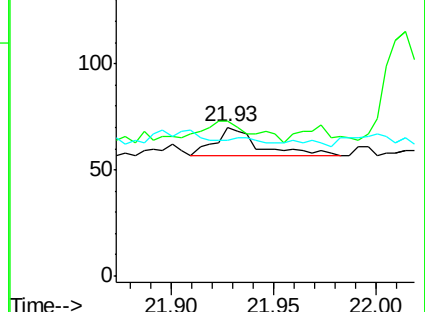
183 91.4 8.8 13.2#

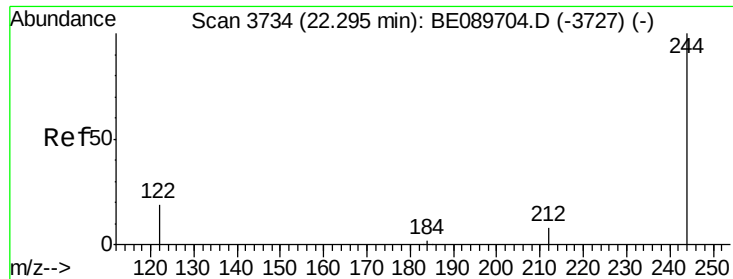


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

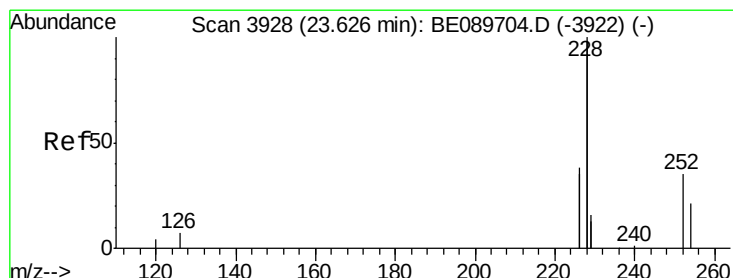
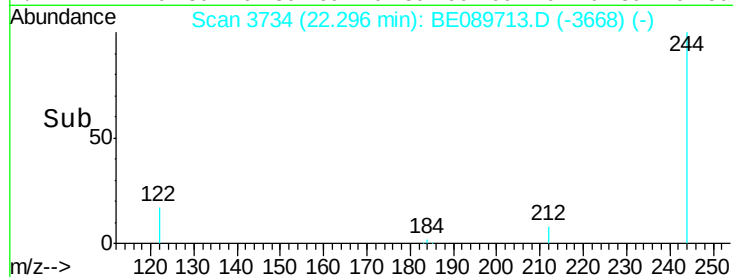
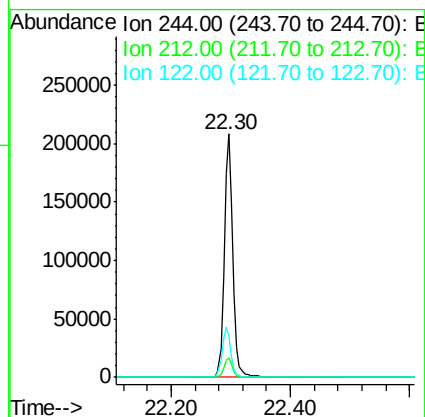
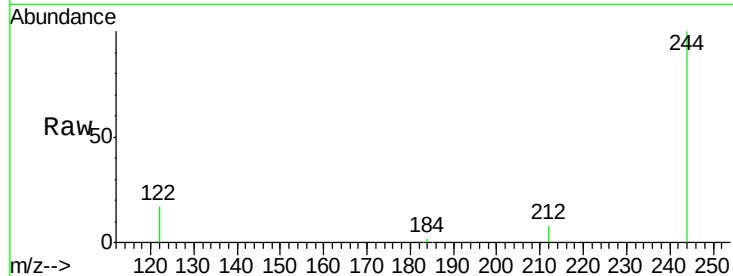




#22
 Terphenyl-d14
 Concen: 12.19 ng
 RT: 22.30 min Scan# 3734
 Delta R.T. 0.00 min
 Lab File: BE089713.D
 Acq: 27 Feb 2015 5:57

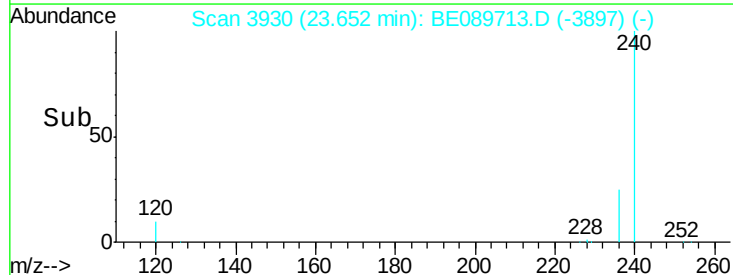
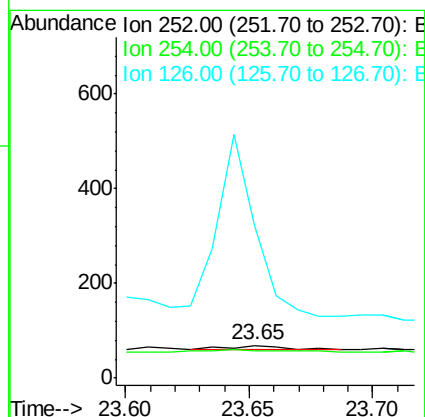
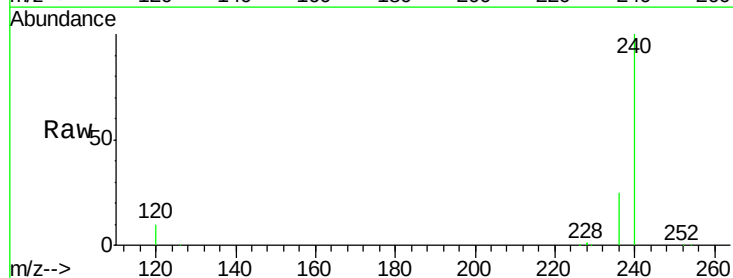
Instrument :
 BNA_E
 ClientSampleId :
 MW3-022515

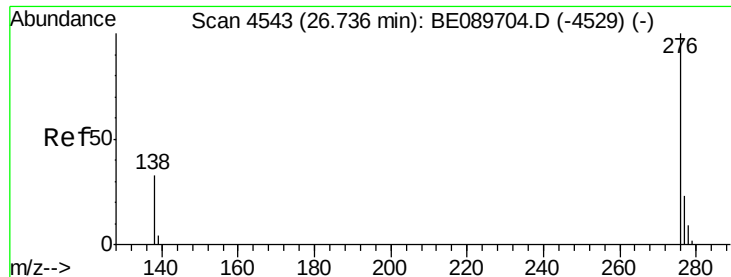
Tgt Ion:244 Resp: 211866
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.7 10.1
 122 16.8 15.7 23.5



#24
 3,3'-Dichlorobenzidine
 Concen: 0.43 ng
 RT: 23.65 min Scan# 3930
 Delta R.T. 0.03 min
 Lab File: BE089713.D
 Acq: 27 Feb 2015 5:57

Tgt Ion:252 Resp: 11
 Ion Ratio Lower Upper
 252 100
 254 85.5 49.4 74.2#
 126 468.1 17.4 26.2#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.74 min Scan# 4543

Delta R.T. 0.00 min

Lab File: BE089713.D

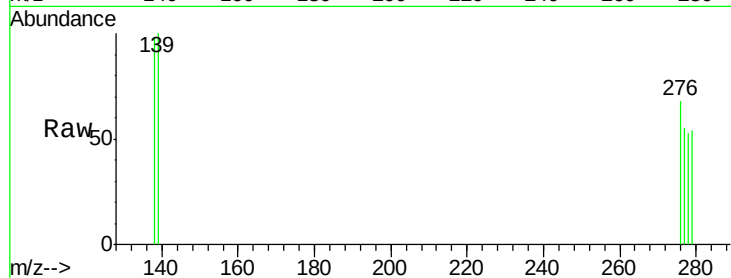
Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515



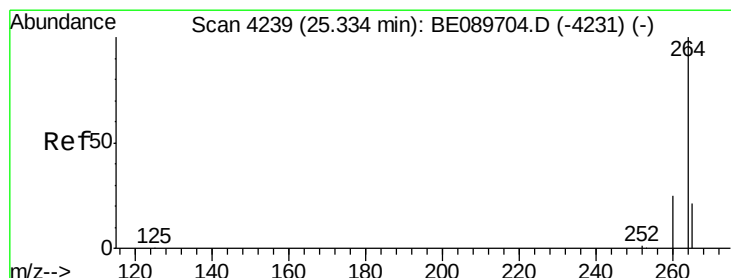
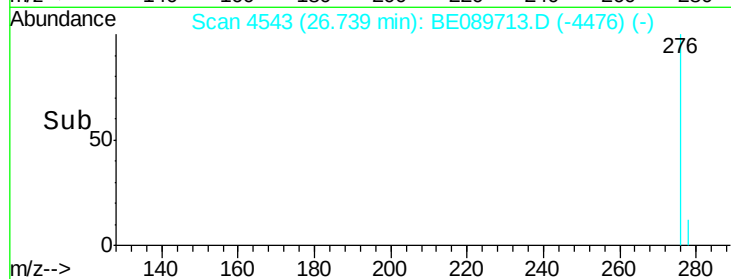
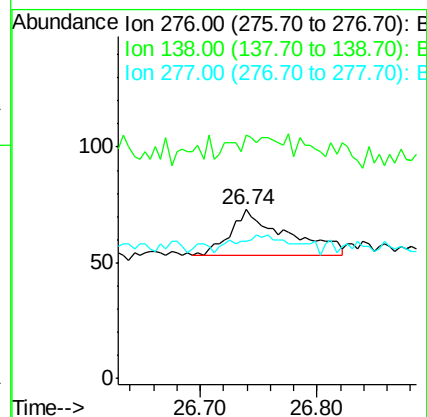
Tgt Ion: 276 Resp: 66

Ion Ratio Lower Upper

276 100

138 7.6 29.8 44.6#

277 3.0 19.8 29.6#



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4238

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

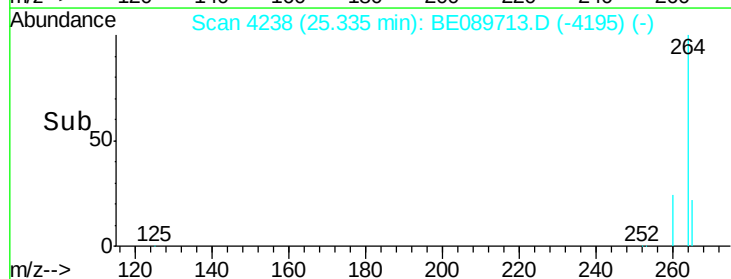
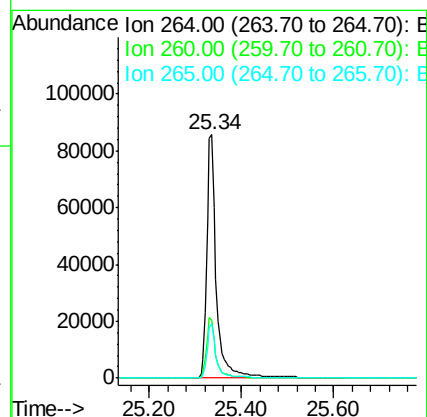
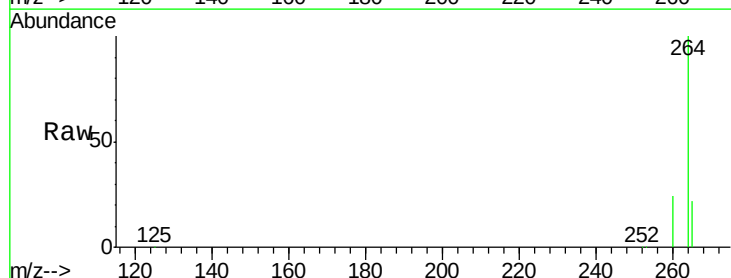
Tgt Ion: 264 Resp: 122119

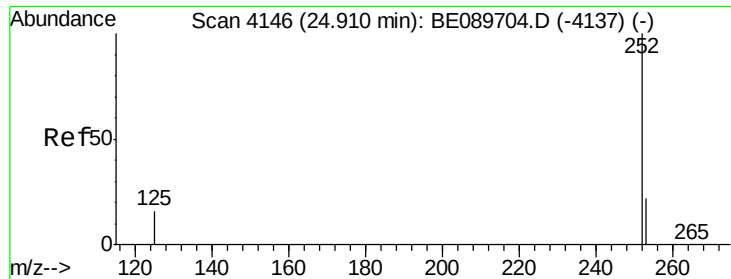
Ion Ratio Lower Upper

264 100

260 24.0 20.2 30.2

265 22.2 16.9 25.3





#28

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 24.91 min Scan# 4145

Delta R.T. 0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

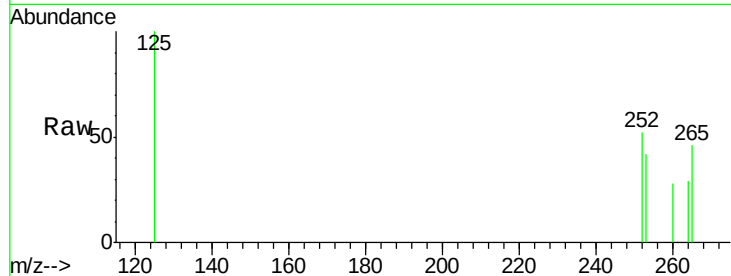
Tgt Ion:252 Resp: 77

Ion Ratio Lower Upper

252 100

253 80.9 17.8 26.6#

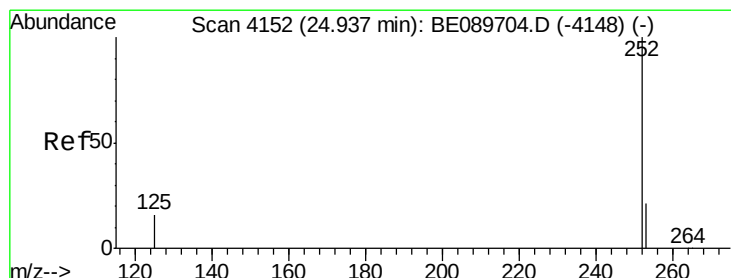
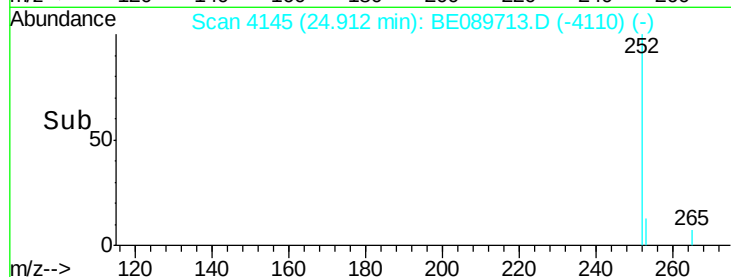
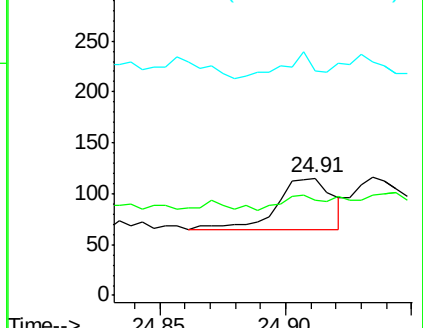
125 192.2 12.9 19.3#



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: 0.11 ng

RT: 24.93 min Scan# 4150

Delta R.T. -0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

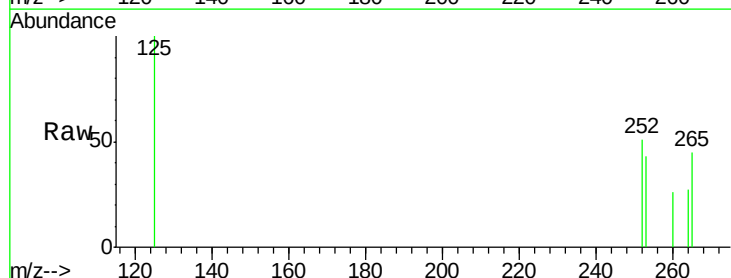
Tgt Ion:252 Resp: 60

Ion Ratio Lower Upper

252 100

253 85.3 17.3 25.9#

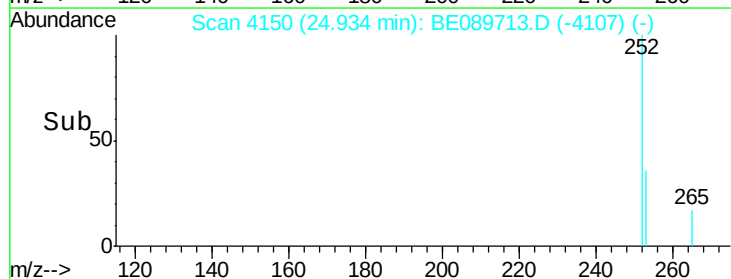
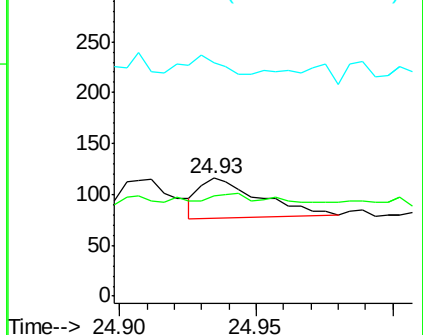
125 197.4 12.9 19.3#

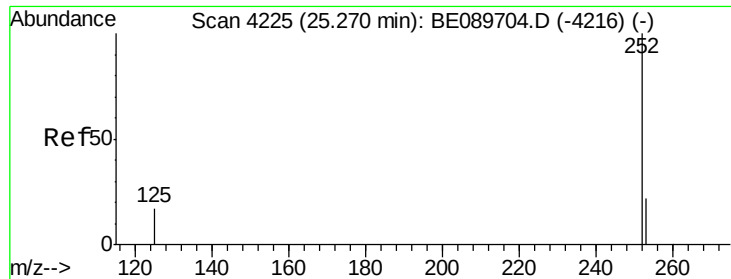


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.37 ng

RT: 25.27 min Scan# 4223

Delta R.T. -0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

Instrument :

BNA_E

ClientSampleId :

MW3-022515

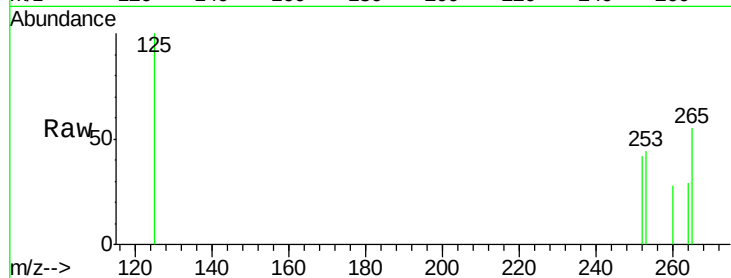
Tgt Ion: 252 Resp: 29

Ion Ratio Lower Upper

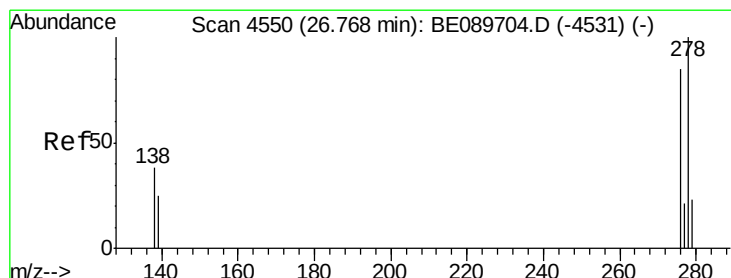
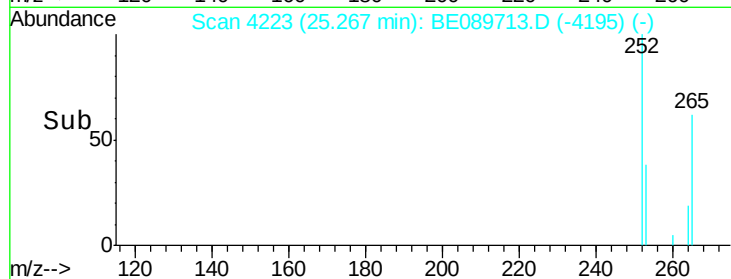
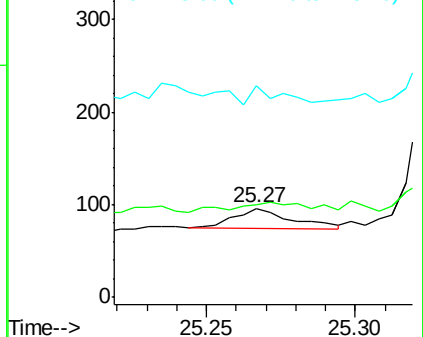
252 100

253 104.2 17.9 26.9#

125 238.5 14.0 21.0#



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: 0.40 ng

RT: 26.77 min Scan# 4549

Delta R.T. -0.00 min

Lab File: BE089713.D

Acq: 27 Feb 2015 5:57

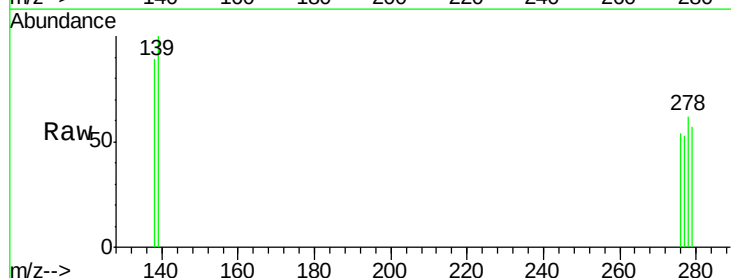
Tgt Ion: 278 Resp: 50

Ion Ratio Lower Upper

278 100

139 160.6 21.1 31.7#

279 91.5 19.3 28.9#



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

