

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089420.D
 Acq On : 29 Jan 2015 19:06
 Operator : TP/IZ
 Sample : G1110-07MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

Quant Time: Jan 30 03:27:11 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	143863	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	539613	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	248870	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	488111	5.00	ng	0.00
20) Chrysene-d12	23.84	240	641613	5.00	ng	0.00
27) Perylene-d12	25.55	264	722031	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	170067	3.14	ng	0.00
4) Phenol-d6	8.86	99	135353	2.10	ng	0.00
8) Nitrobenzene-d5	10.85	82	287034	6.54	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	99014	14.42	ng	0.01
15) 2-Fluorobiphenyl	15.13	172	443001	6.38	ng	0.00
22) Terphenyl-d14	22.48	244	770125	10.38	ng	0.00

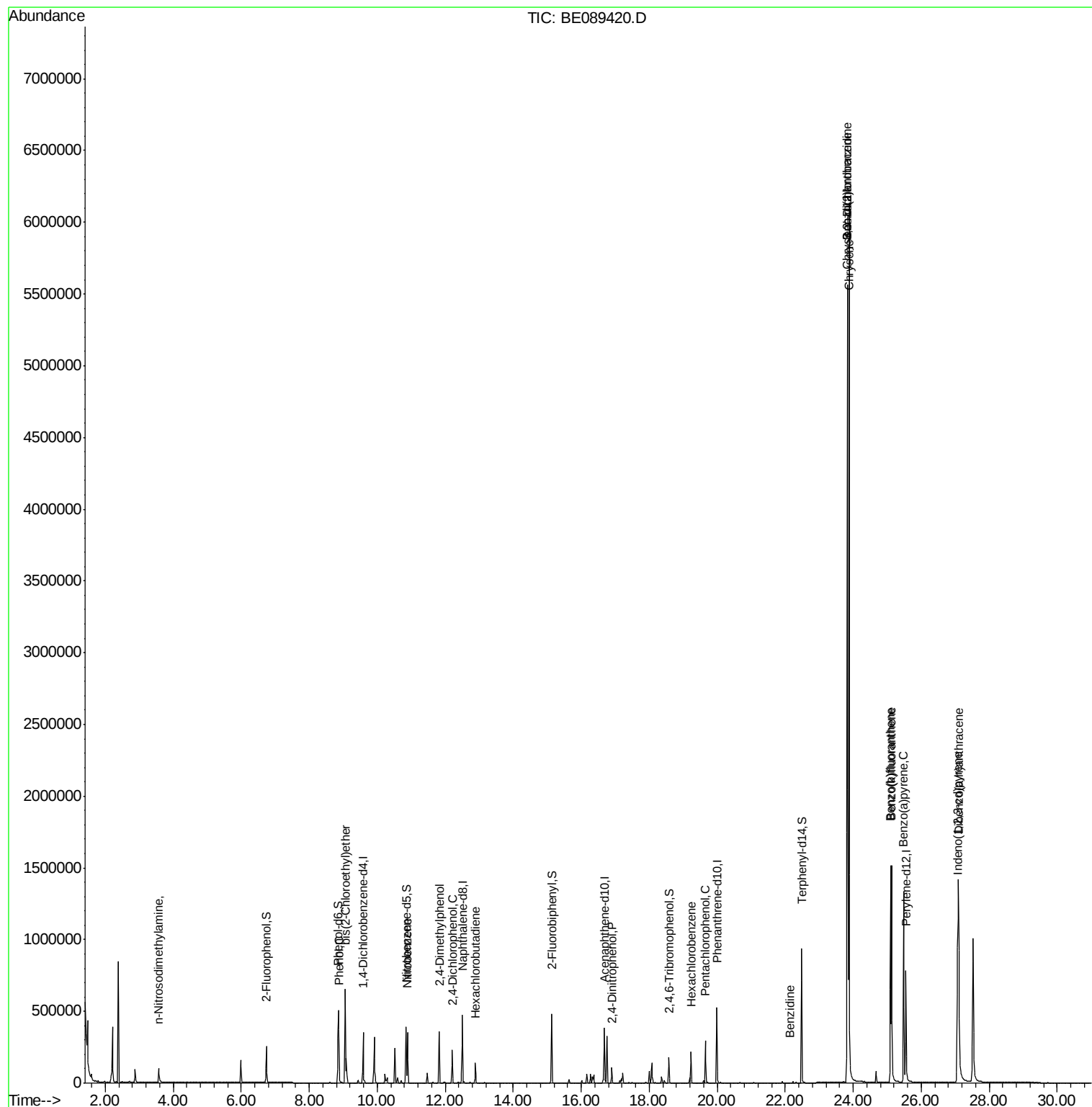
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.56	42	68841	2.17	ng	# 82
5) Phenol	8.88	94	143943	2.04	ng	90
6) bis(2-Chloroethyl)ether	9.06	93	294135	5.61	ng	# 100
9) Nitrobenzene	10.89	77	312280	6.23	ng	98
10) 2,4-Dimethylphenol	11.83	122	199863	5.62	ng	93
11) 2,4-Dichlorophenol	12.21	162	155900	6.31	ng	90
12) Hexachlorobutadiene	12.89	225	86900	5.22	ng	99
16) 2,4-Dinitrophenol	16.90	184	62071	13.54	ng	# 86
18) Hexachlorobenzene	19.24	284	179900	7.52	ng	94
19) Pentachlorophenol	19.66	266	161951	15.11	ng	99
21) Benzidine	22.14	184	216	0.28	ng	# 1
23) Benzo(a)anthracene	23.83	228	4888820	10.01	ng	99
24) 3,3'-Dichlorobenzidine	23.82	252	54434	1.24	ng	97
25) Chrysene	23.88	228	5015573	7.51	ng	96
26) Indeno(1,2,3-cd)pyrene	27.08	276	1712550	8.05	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	1378277	9.75	ng	99
29) Benzo(k)fluoranthene	25.14	252	1458118	7.02	ng	96
30) Benzo(a)pyrene	25.49	252	1401917	8.92	ng	96
31) Dibenzo(a,h)anthracene	27.10	278	1507646	9.10	ng	96

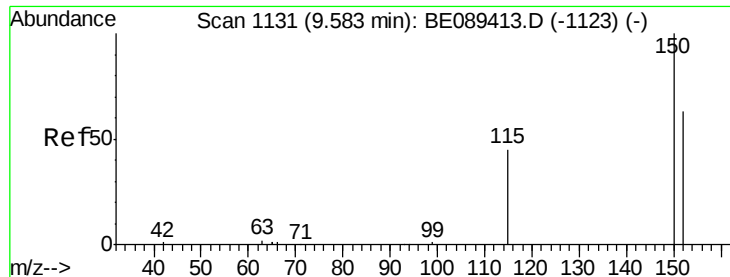
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

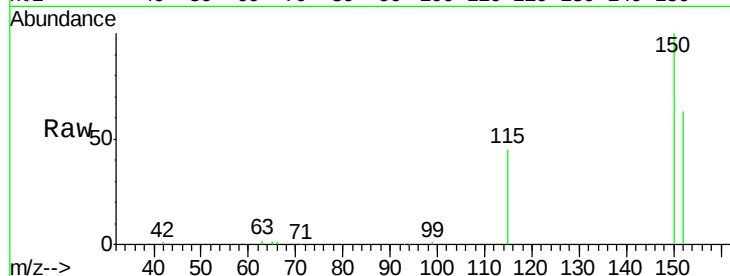
Tgt Ion: 152 Resp: 143863

Ion Ratio Lower Upper

152 100

150 157.7 126.1 189.1

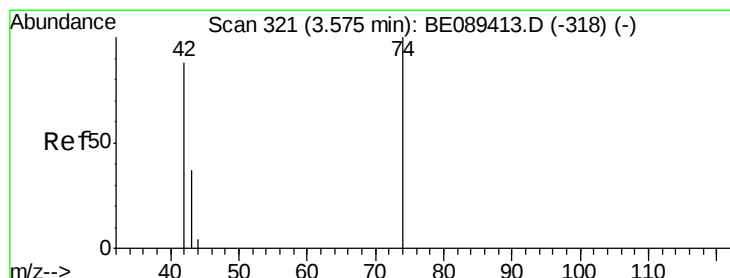
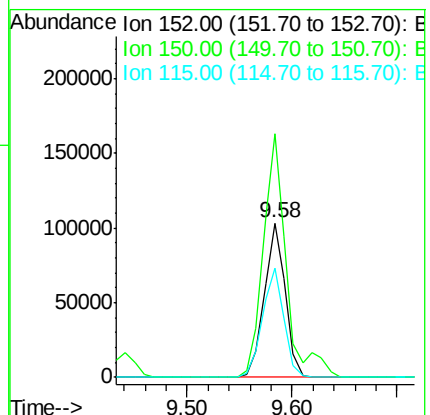
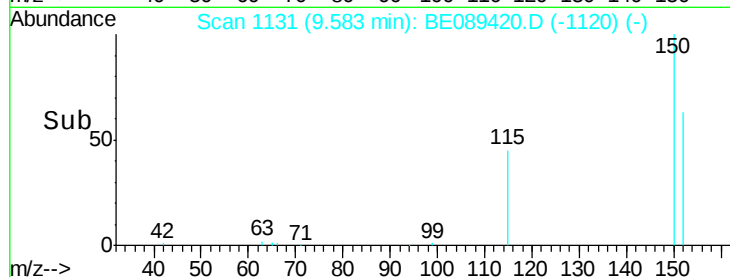
115 71.1 57.1 85.7



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: 2.17 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

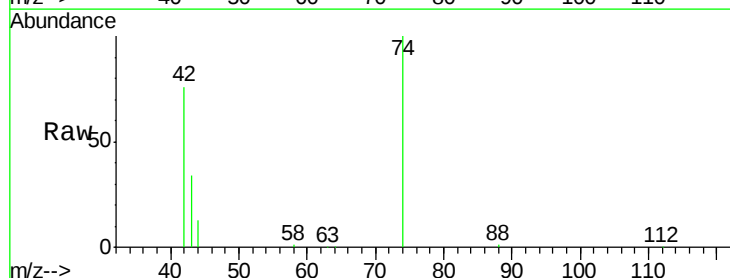
Tgt Ion: 42 Resp: 68841

Ion Ratio Lower Upper

42 100

74 132.4 90.2 135.2

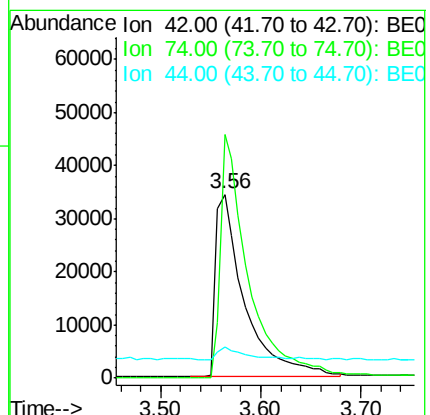
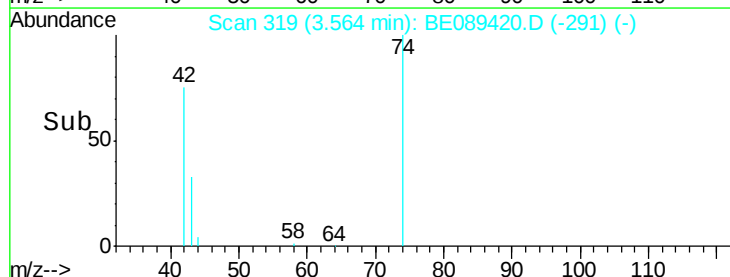
44 16.7 19.4 29.2#

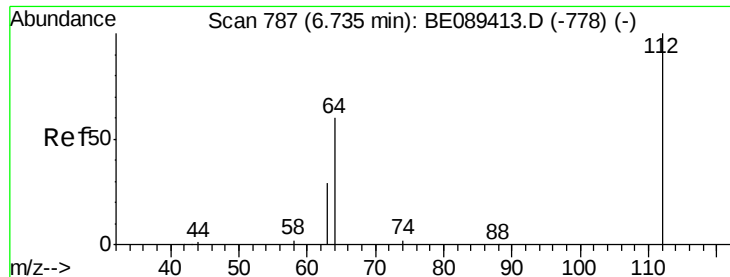


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

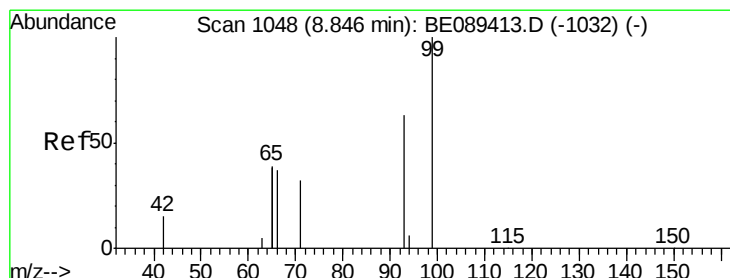
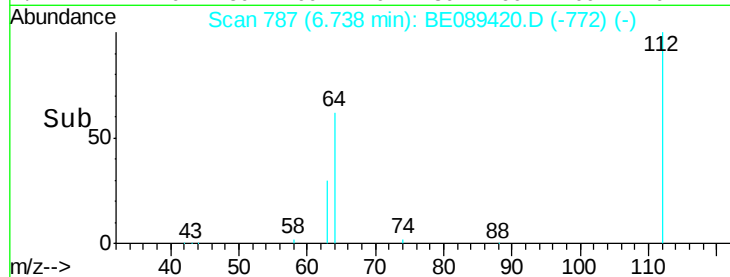
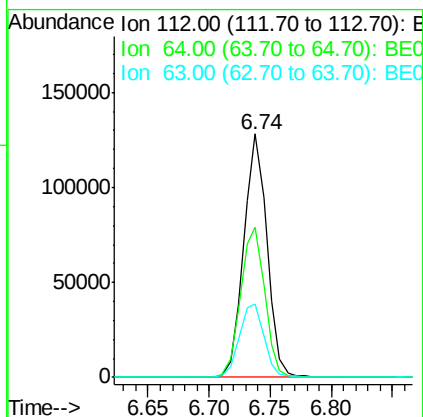
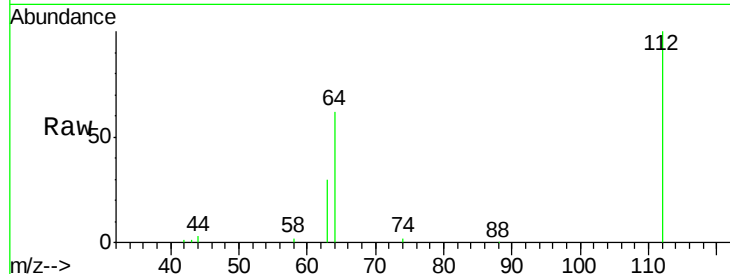




#3
 2-Fluorophenol
 Concen: 3.14 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

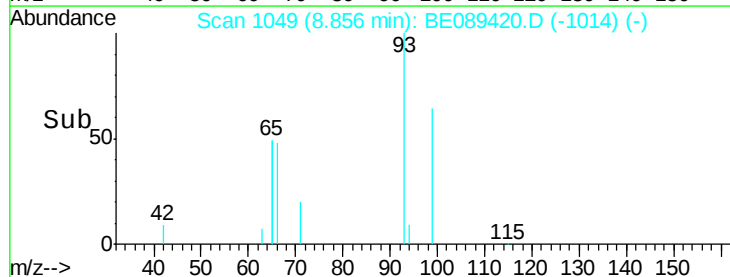
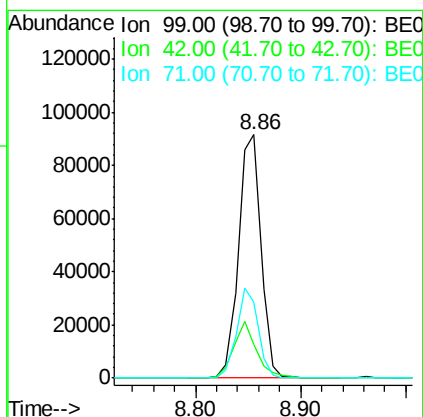
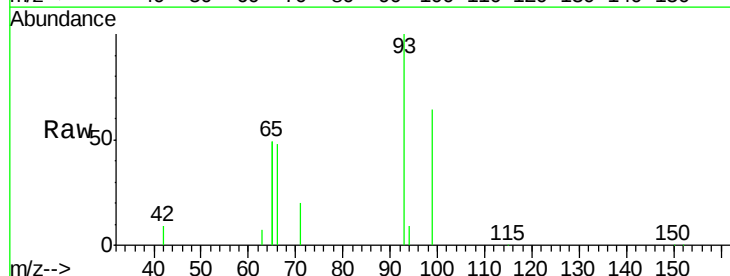
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

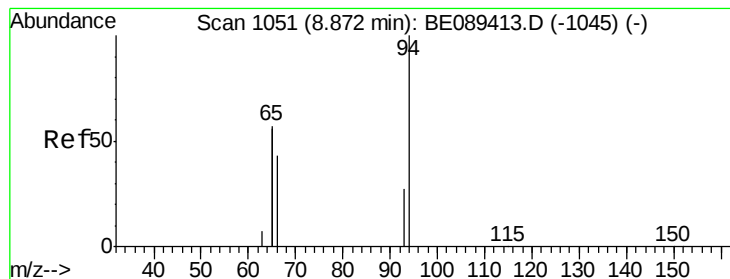
Tgt Ion:	112	Resp:	170067
Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.2	72.4
63	30.3	23.5	35.3



#4
 Phenol-d6
 Concen: 2.10 ng
 RT: 8.86 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

Tgt Ion:	99	Resp:	135353
Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.9	17.9
71	31.1	25.8	38.6





#5

Phenol

Concen: 2.04 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

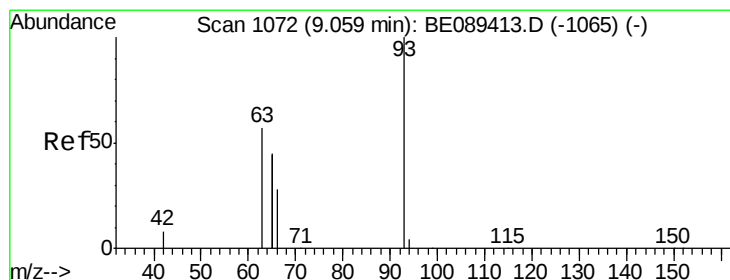
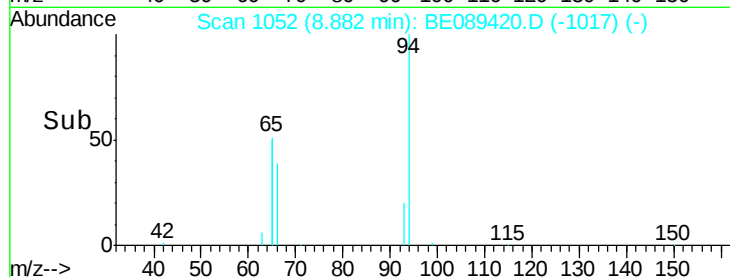
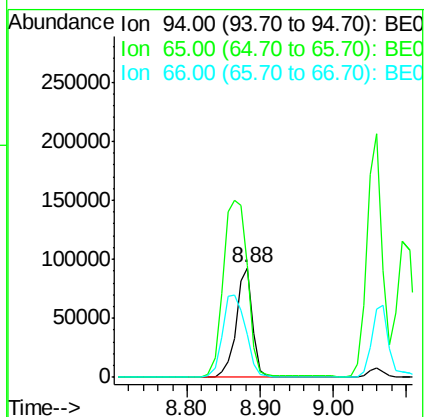
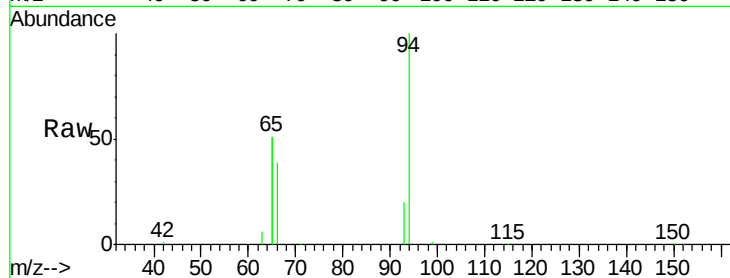
Tgt Ion: 94 Resp: 143943

Ion Ratio Lower Upper

94 100

65 101.8 93.3 133.3

66 38.9 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 5.61 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

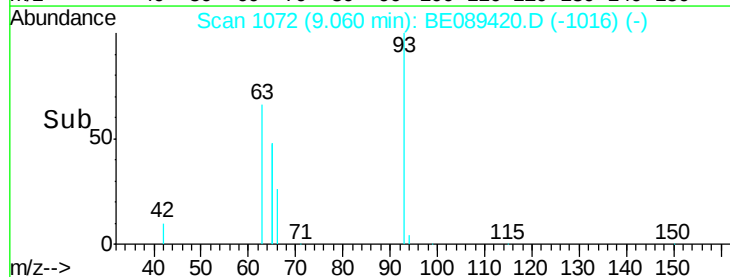
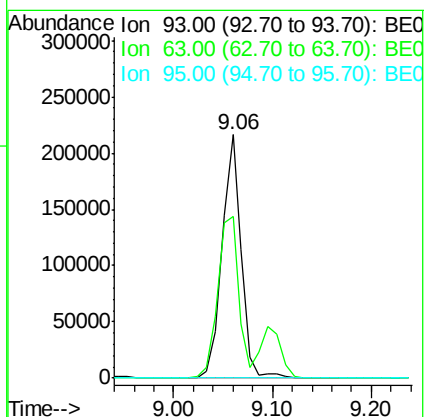
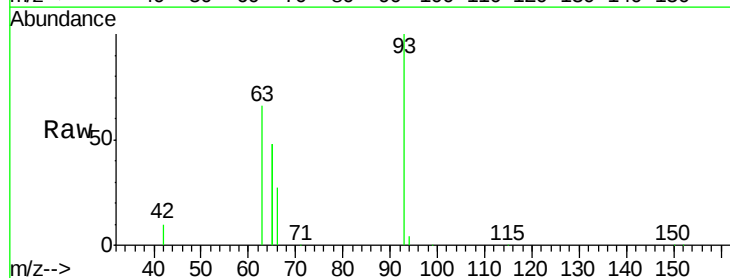
Tgt Ion: 93 Resp: 294135

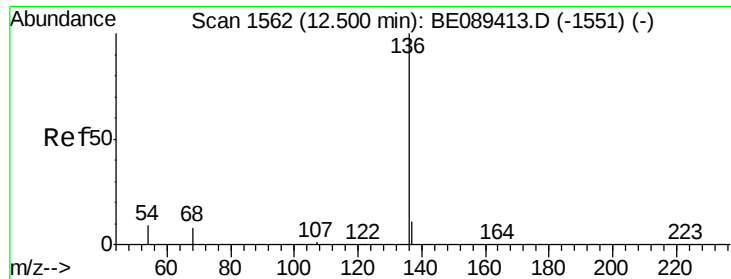
Ion Ratio Lower Upper

93 100

63 73.5 58.6 88.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

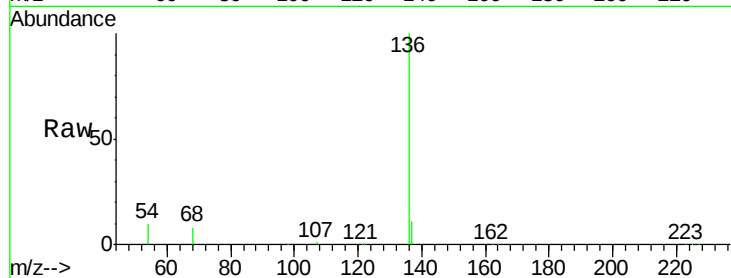
Tgt Ion: 136 Resp: 539613

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 9.9 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

500000

400000

300000

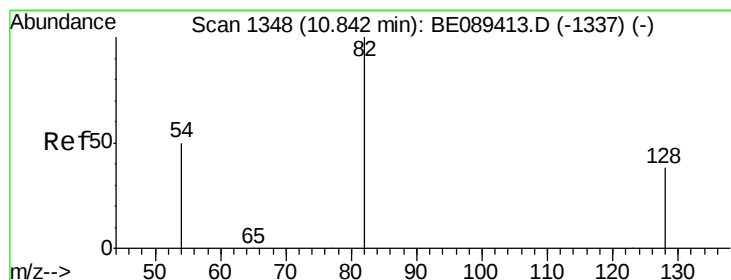
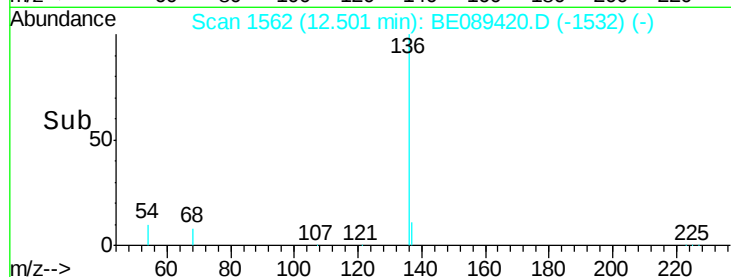
200000

100000

0

12.40 12.50 12.60

Time-->



#8

Nitrobenzene-d5

Concen: 6.54 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

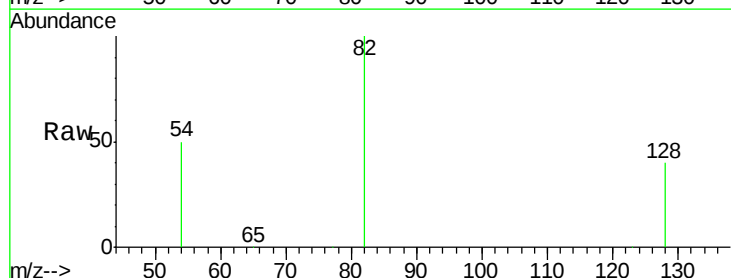
Tgt Ion: 82 Resp: 287034

Ion Ratio Lower Upper

82 100

128 39.9 31.0 46.4

54 50.4 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

250000

200000

150000

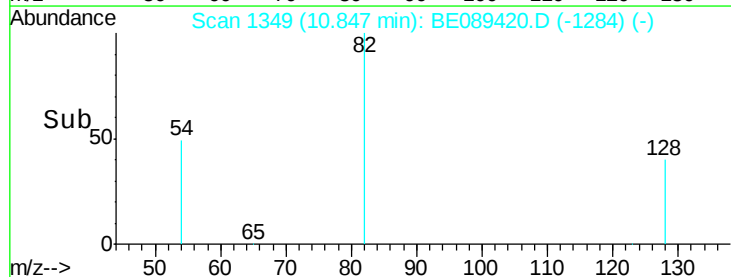
100000

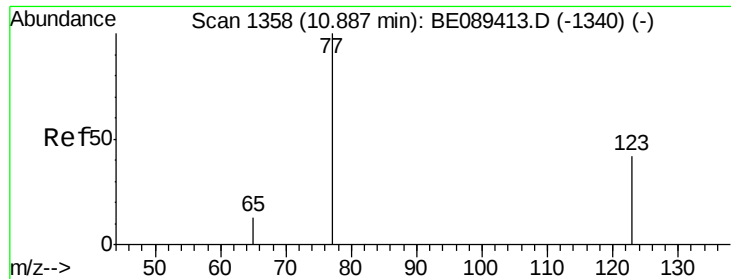
50000

0

10.75 10.80 10.85 10.90

Time-->





#9

Nitrobenzene

Concen: 6.23 ng

RT: 10.89 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

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ClientSampleId :

MW-48MS

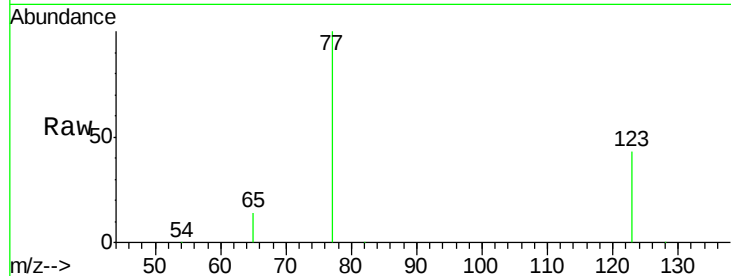
Tgt Ion: 77 Resp: 312280

Ion Ratio Lower Upper

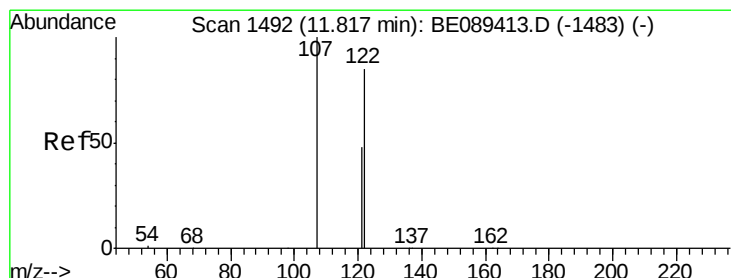
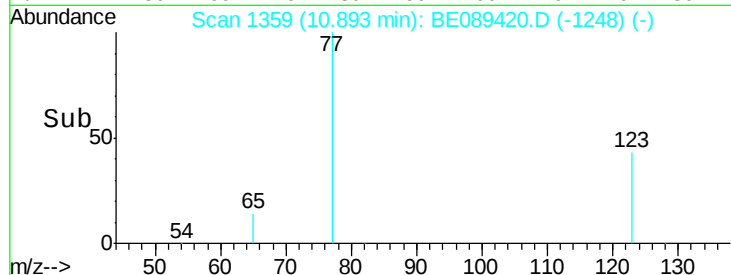
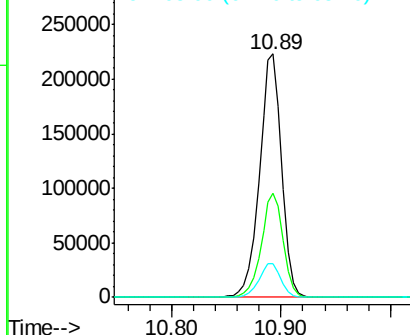
77 100

123 42.1 32.8 49.2

65 14.2 11.0 16.6



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

2,4-Dimethylphenol

Concen: 5.62 ng

RT: 11.83 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

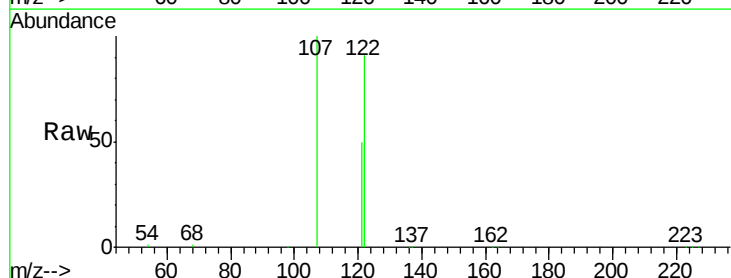
Tgt Ion: 122 Resp: 199863

Ion Ratio Lower Upper

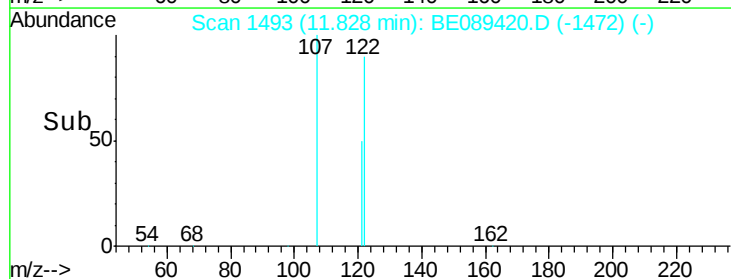
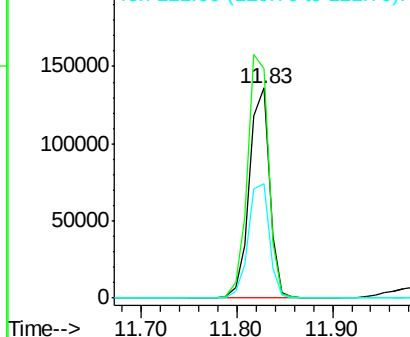
122 100

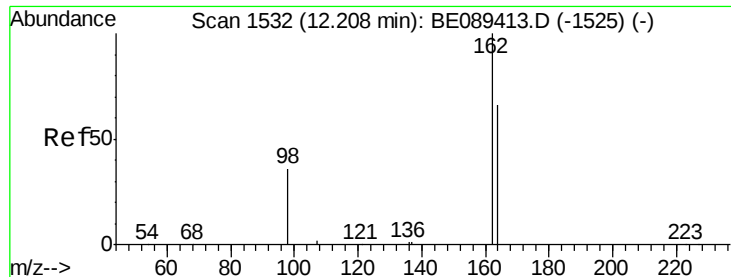
107 109.3 94.6 142.0

121 54.2 45.8 68.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

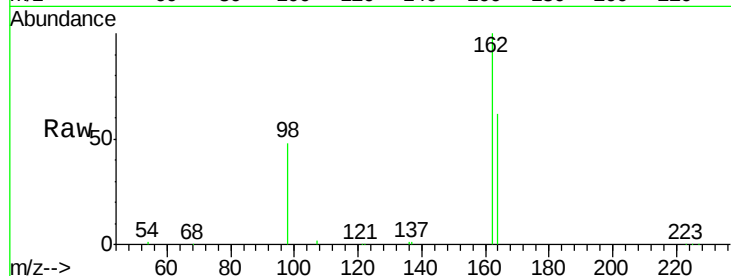




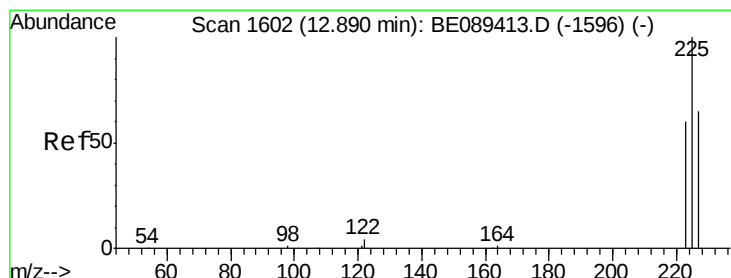
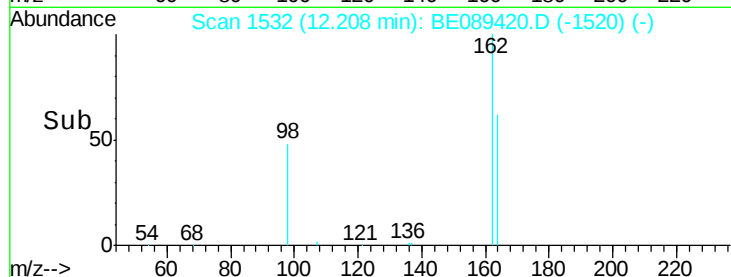
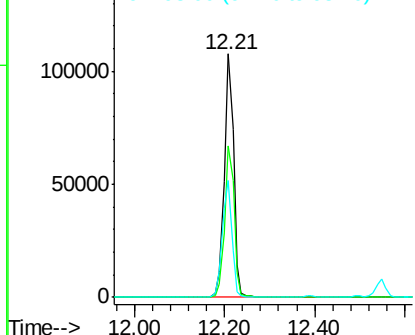
#11
2,4-Dichlorophenol
Concen: 6.31 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

Instrument :
BNA_E
ClientSampleId :
MW-48MS

Tgt Ion:162 Resp: 155900
Ion Ratio Lower Upper
162 100
164 62.2 46.1 86.1
98 48.2 16.2 56.2

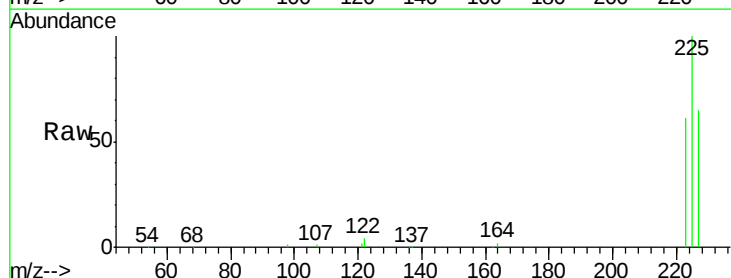


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

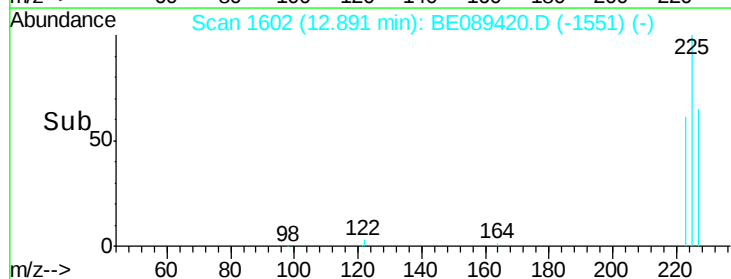
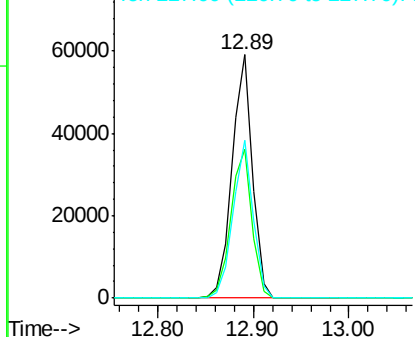


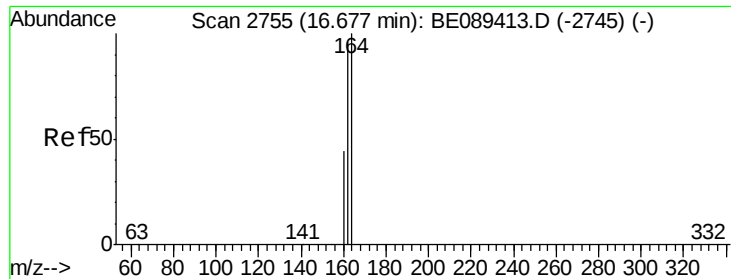
#12
Hexachlorobutadiene
Concen: 5.22 ng
RT: 12.89 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

Tgt Ion:225 Resp: 86900
Ion Ratio Lower Upper
225 100
223 63.1 50.4 75.6
227 63.7 50.2 75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

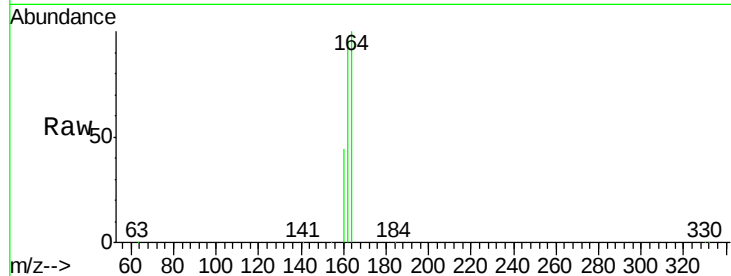
Tgt Ion:164 Resp: 248870

Ion Ratio Lower Upper

164 100

162 96.4 77.0 115.6

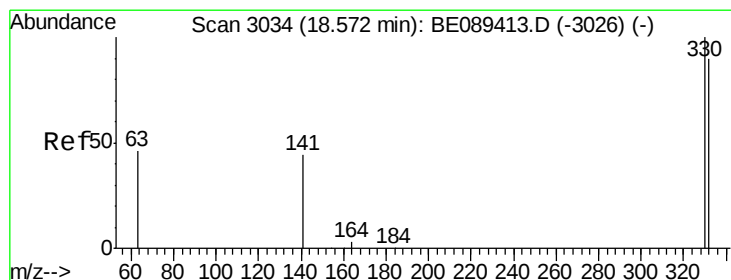
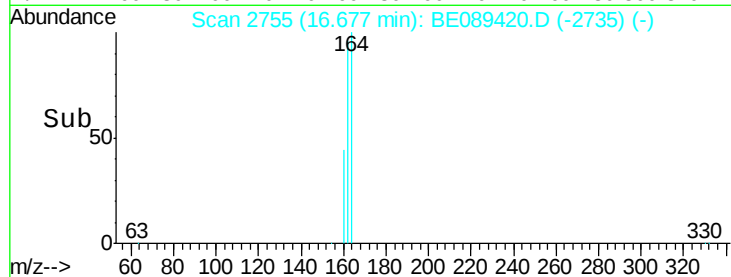
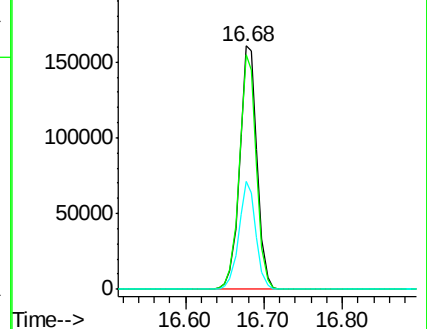
160 44.5 35.0 52.4



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



#14

2,4,6-Tribromophenol

Concen: 14.42 ng

RT: 18.59 min Scan# 3036

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

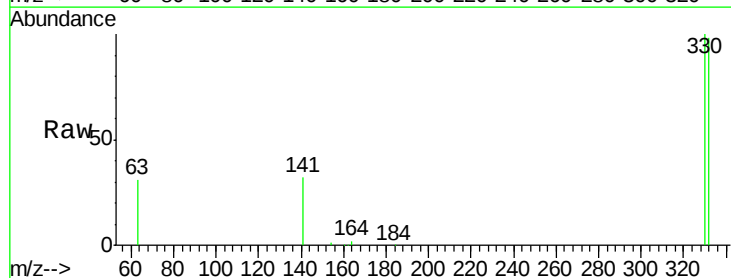
Tgt Ion:330 Resp: 99014

Ion Ratio Lower Upper

330 100

332 96.5 76.0 114.0

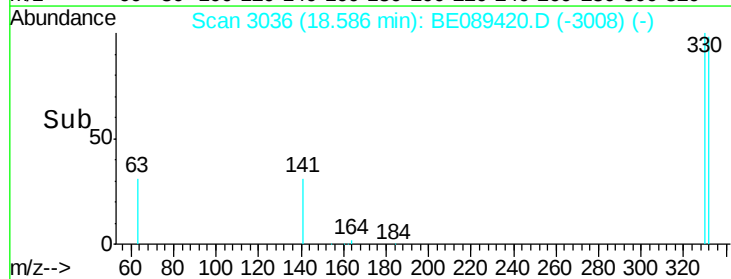
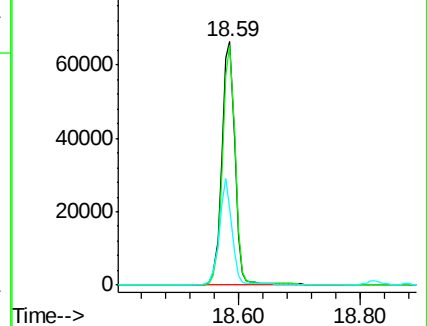
141 41.3 35.6 53.4

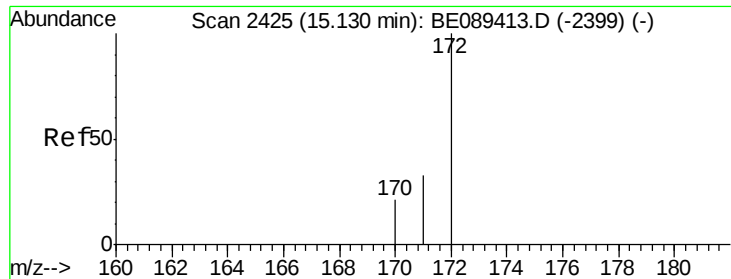


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

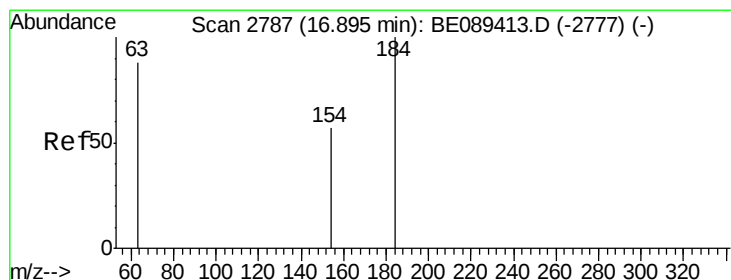
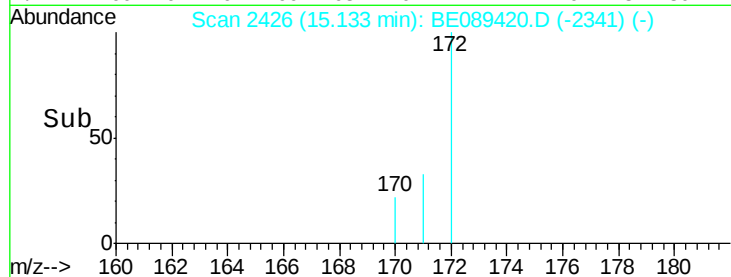
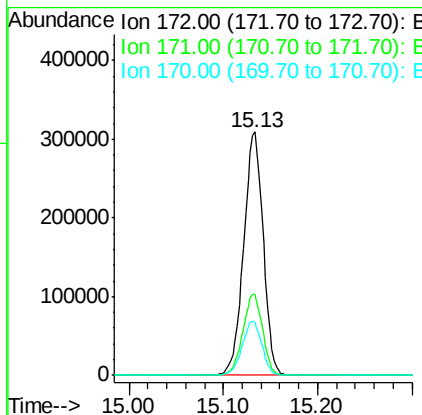
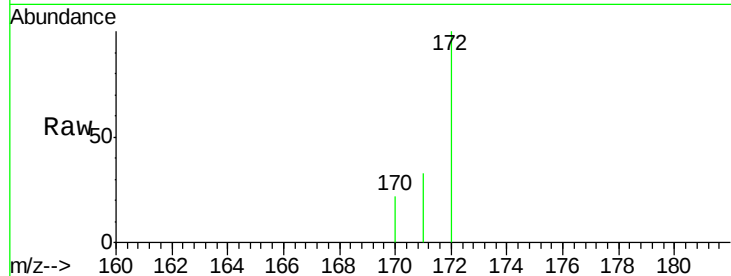




#15
2-Fluorobiphenyl
Concen: 6.38 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

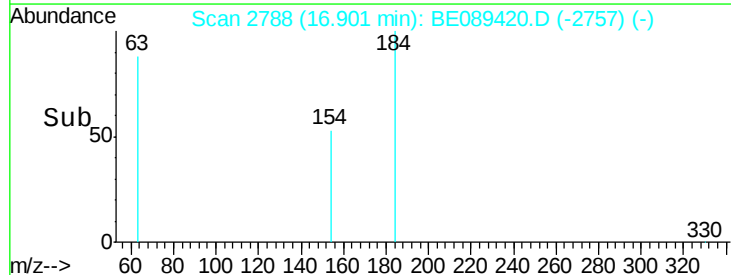
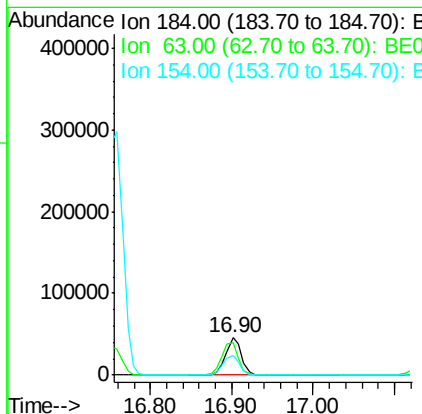
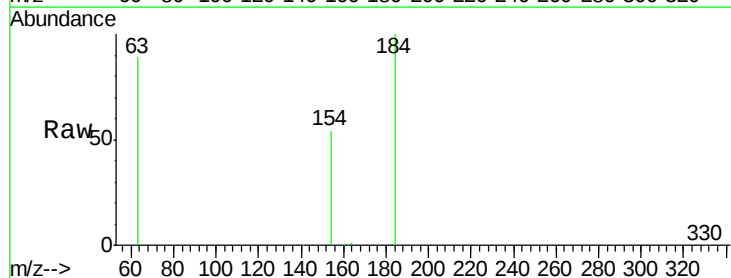
Instrument :
BNA_E
ClientSampleId :
MW-48MS

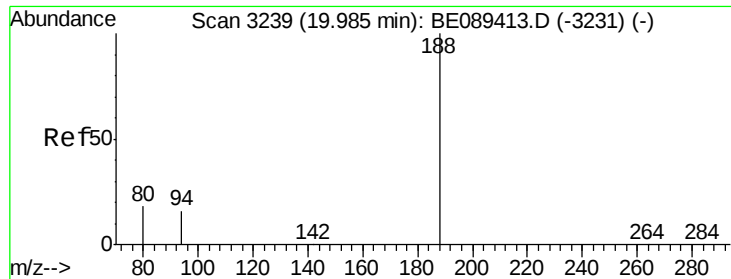
Tgt Ion:172 Resp: 443001
Ion Ratio Lower Upper
172 100
171 33.4 26.6 39.8
170 21.9 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 13.54 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

Tgt Ion:184 Resp: 62071
Ion Ratio Lower Upper
184 100
63 88.8 79.0 118.4
154 54.0 55.8 83.6#

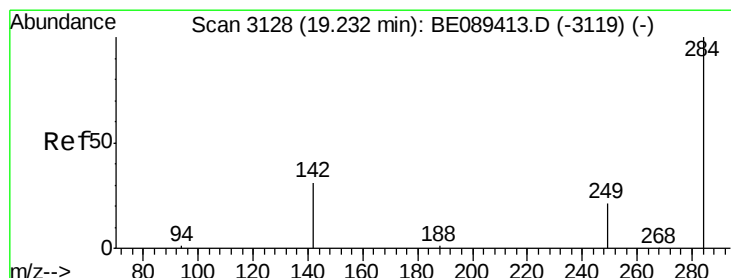
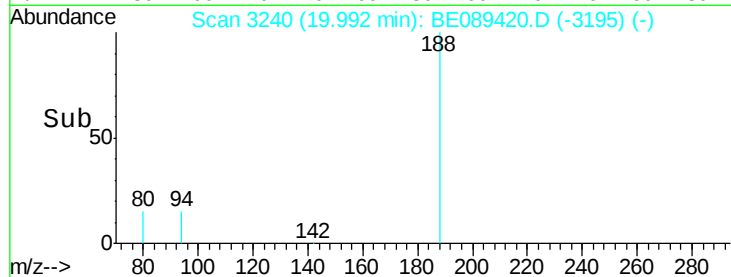
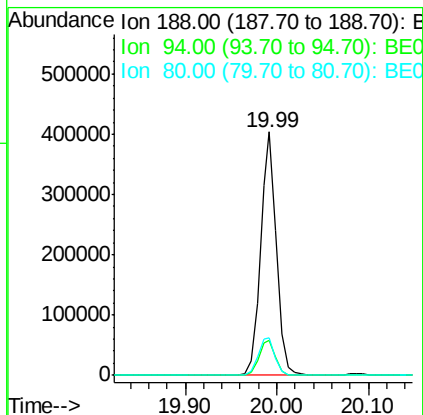
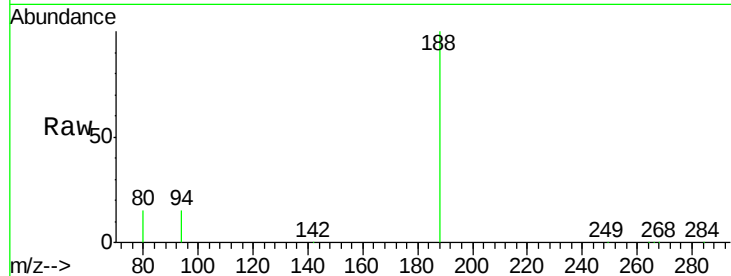




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

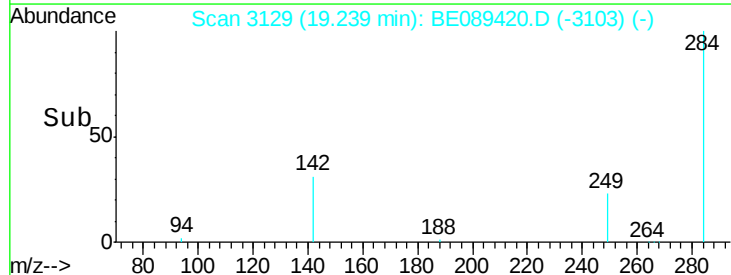
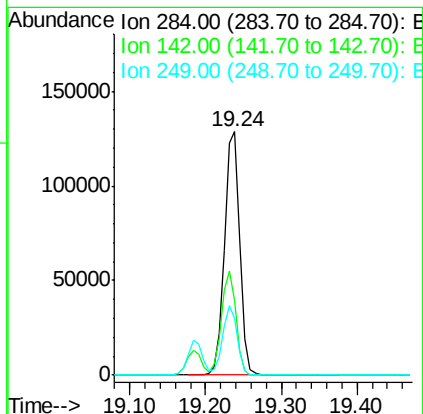
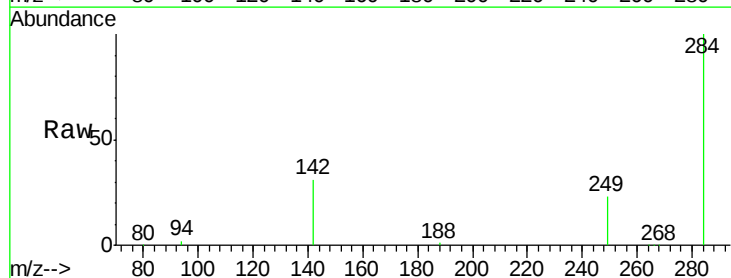
Instrument :
BNA_E
ClientSampleId :
MW-48MS

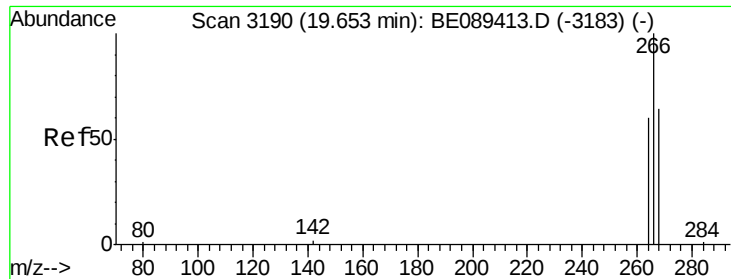
Tgt Ion:188 Resp: 488111
Ion Ratio Lower Upper
188 100
94 14.6 13.0 19.6
80 15.2 14.2 21.4



#18
Hexachlorobenzene
Concen: 7.52 ng
RT: 19.24 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BE089420.D
Acq: 29 Jan 2015 19:06

Tgt Ion:284 Resp: 179900
Ion Ratio Lower Upper
284 100
142 30.8 28.3 42.5
249 23.2 19.9 29.9

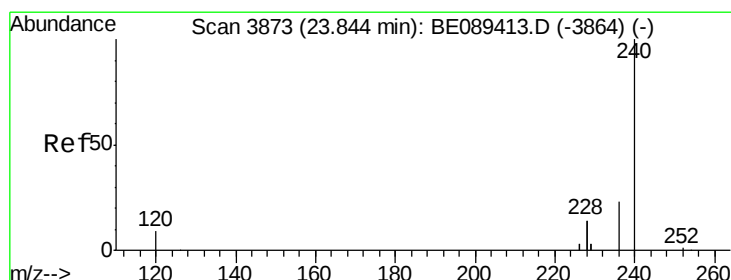
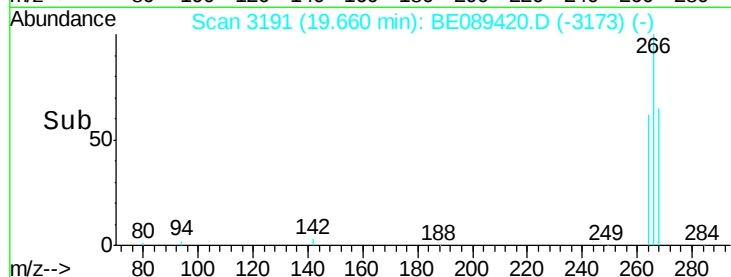
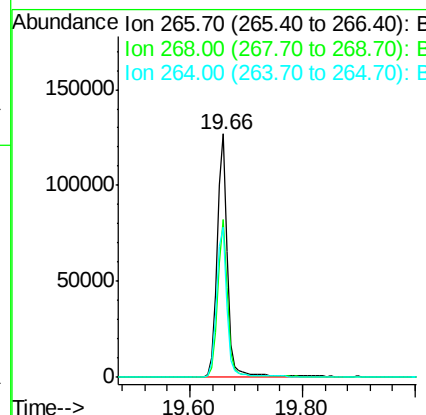
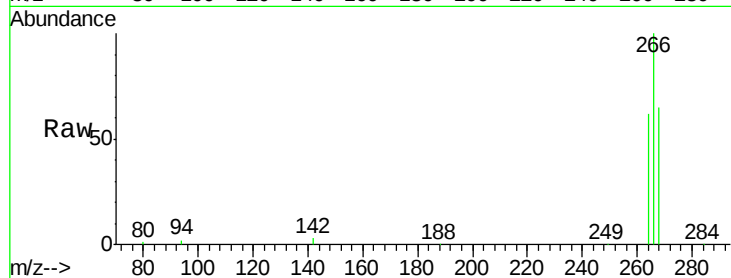




#19
 Pentachlorophenol
 Concen: 15.11 ng
 RT: 19.66 min Scan# 3191
 Delta R.T. 0.01 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

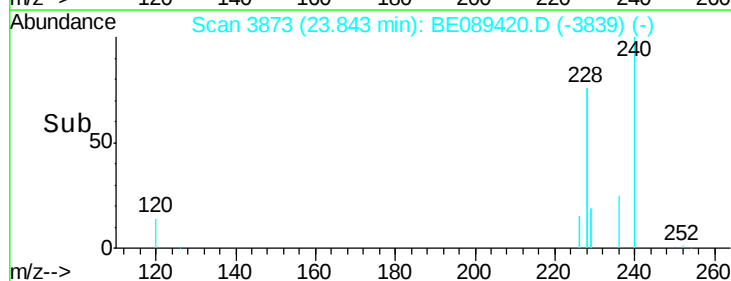
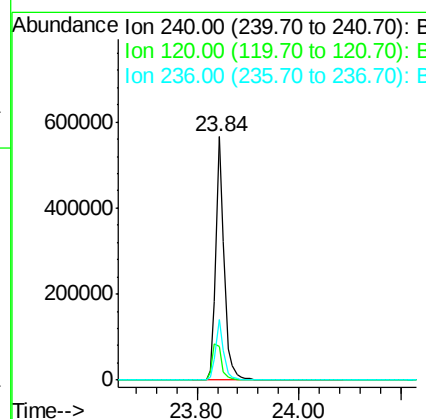
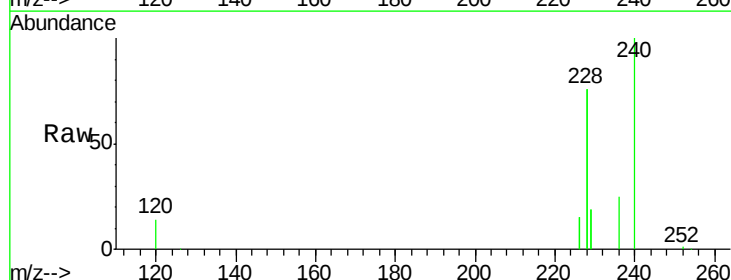
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

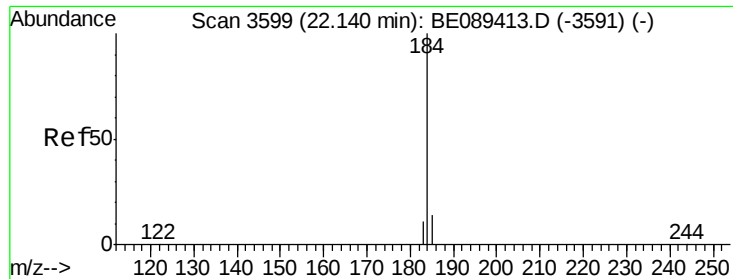
Tgt Ion:266 Resp: 161951
 Ion Ratio Lower Upper
 266 100
 268 64.8 51.9 77.9
 264 61.6 48.5 72.7



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. -0.00 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

Tgt Ion:240 Resp: 641613
 Ion Ratio Lower Upper
 240 100
 120 14.0 6.9 10.3#
 236 25.0 18.2 27.2





#21

Benzidine

Concen: 0.28 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

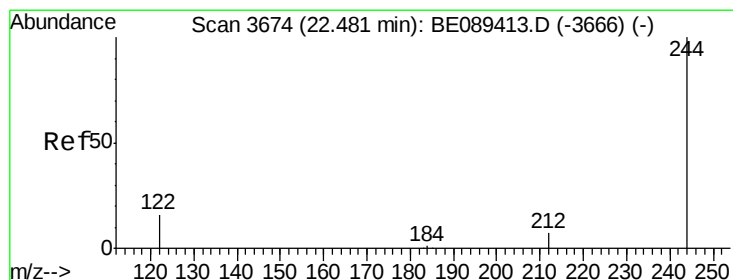
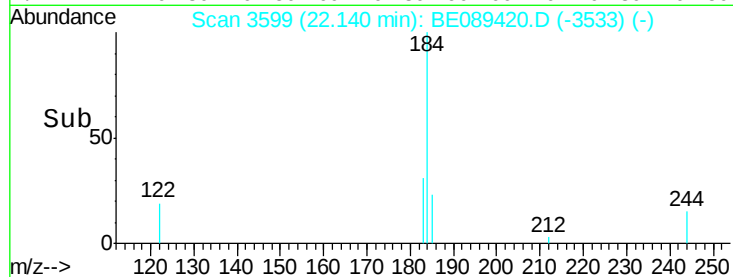
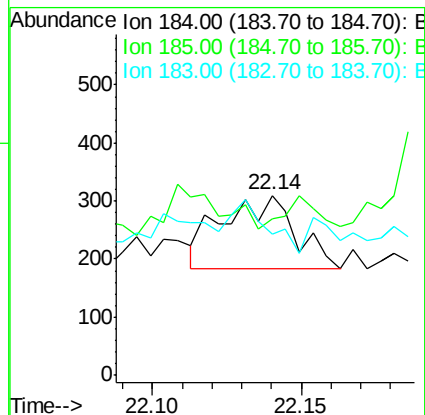
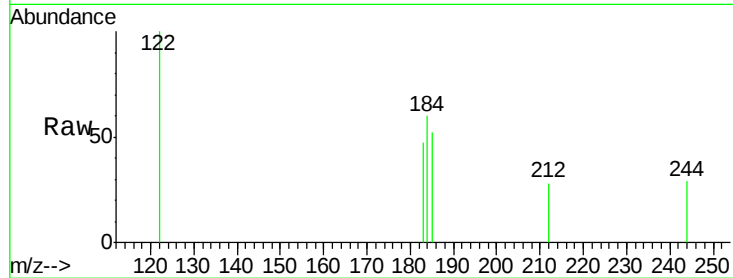
Tgt Ion:184 Resp: 216

Ion Ratio Lower Upper

184 100

185 87.1 11.0 16.6#

183 78.1 8.6 13.0#



#22

Terphenyl-d14

Concen: 10.38 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

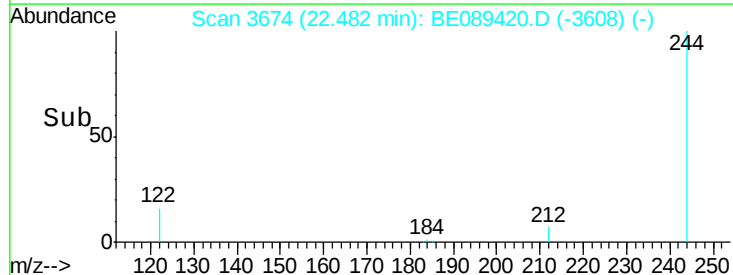
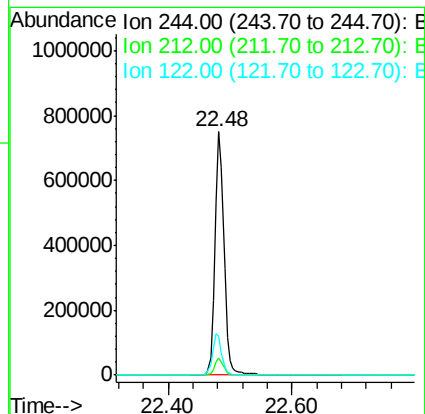
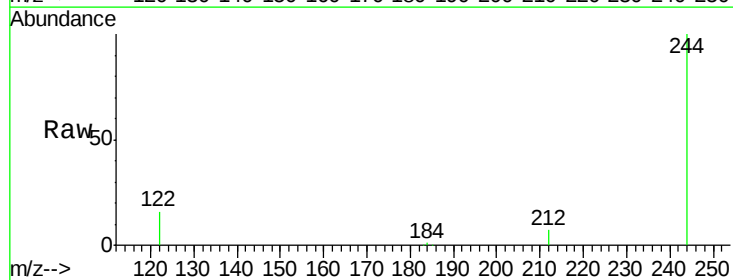
Tgt Ion:244 Resp: 770125

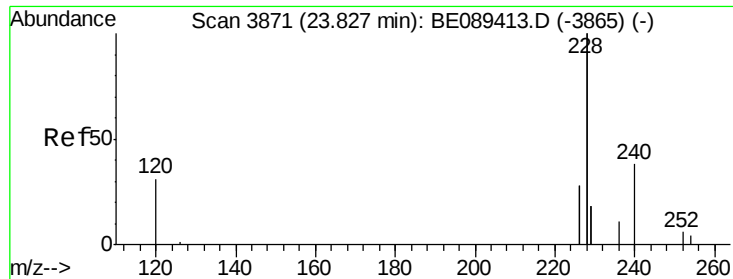
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 16.1 13.2 19.8





#23

Benzo(a)anthracene

Concen: 10.01 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

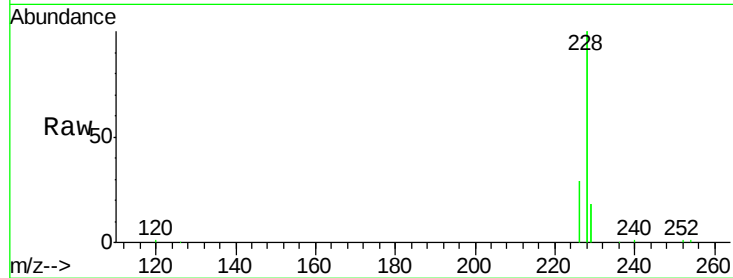
Tgt Ion:228 Resp: 4888820

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

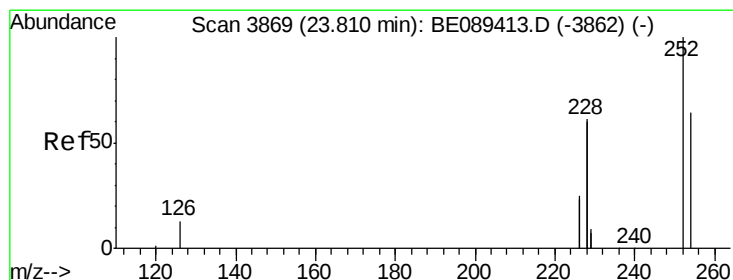
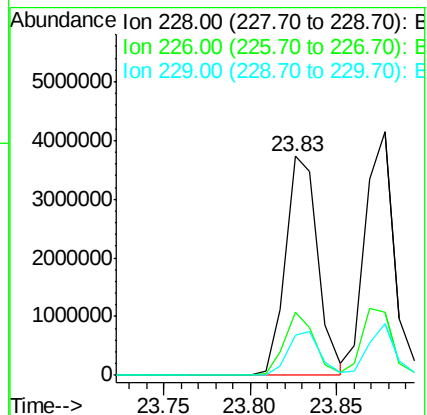
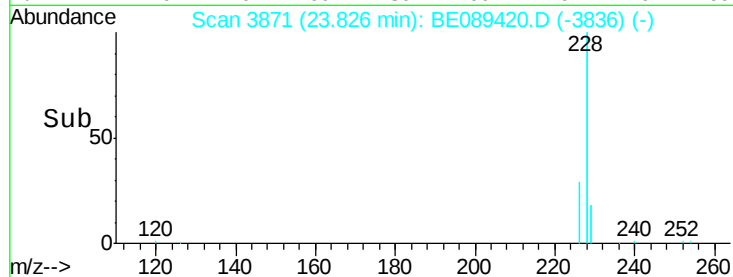
229 18.2 14.5 21.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 1.24 ng

RT: 23.82 min Scan# 3870

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

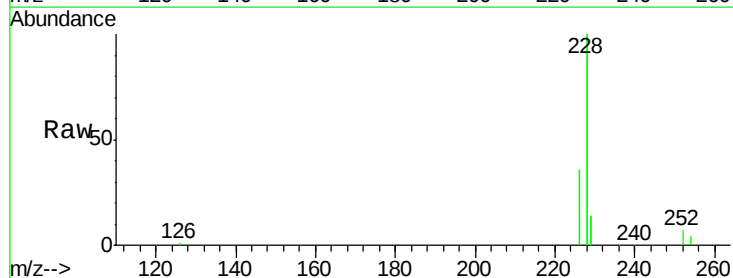
Tgt Ion:252 Resp: 54434

Ion Ratio Lower Upper

252 100

254 65.9 51.1 76.7

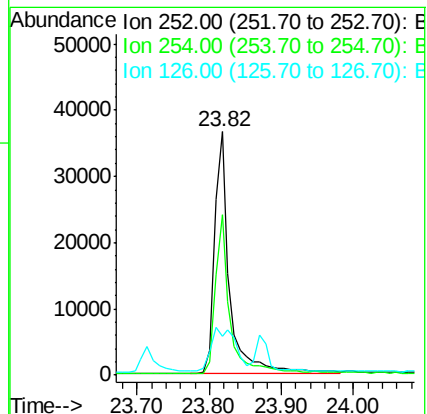
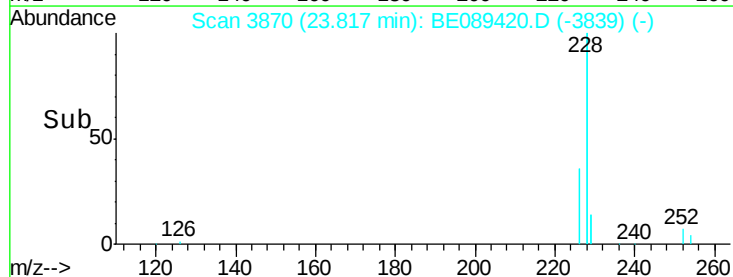
126 15.8 11.5 17.3

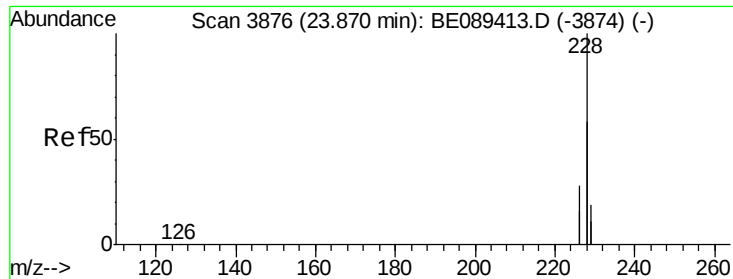


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 7.51 ng

RT: 23.88 min Scan# 3877

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

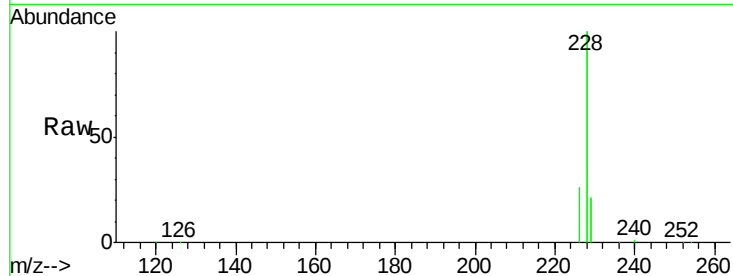
Tgt Ion:228 Resp: 5015573

Ion Ratio Lower Upper

228 100

226 25.9 22.6 33.8

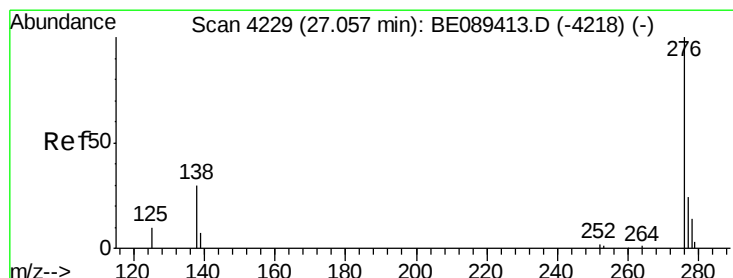
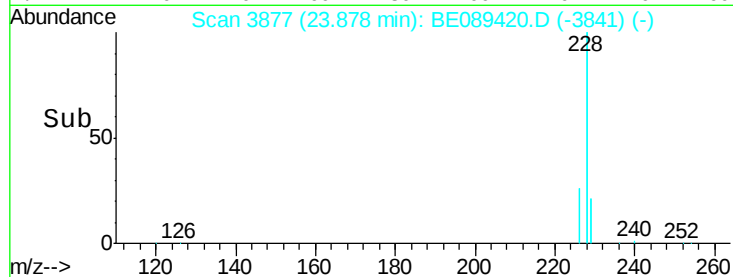
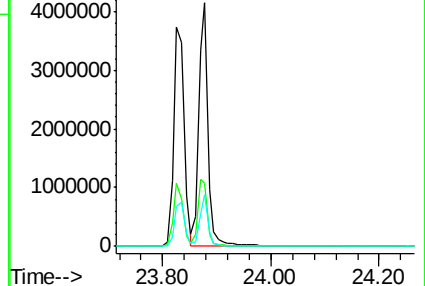
229 21.4 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 8.05 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.02 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

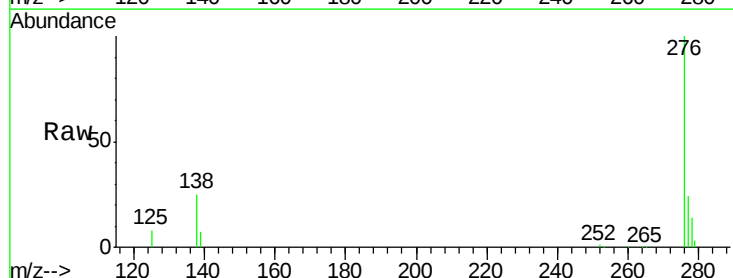
Tgt Ion:276 Resp: 1712550

Ion Ratio Lower Upper

276 100

138 33.3 0.0 0.0#

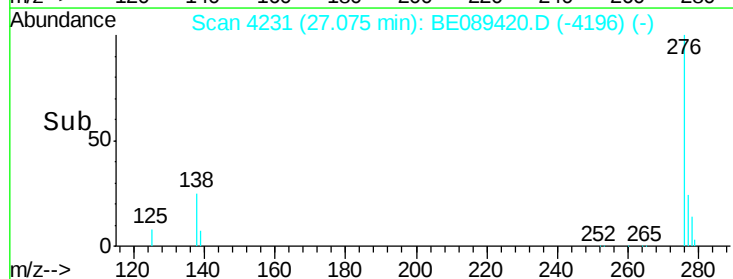
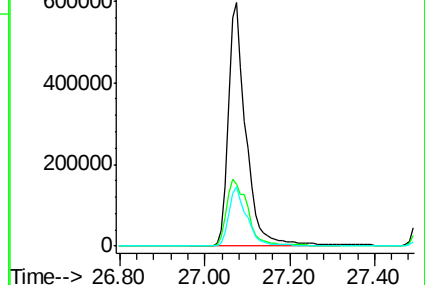
277 25.1 0.0 0.0#

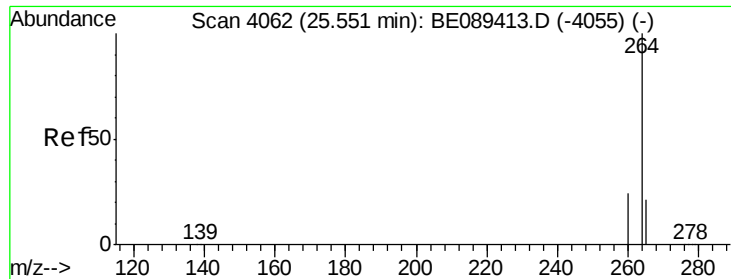


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

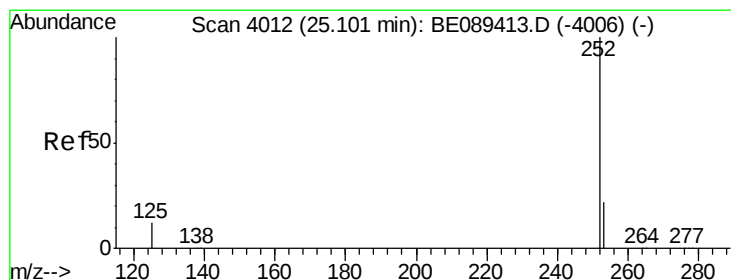
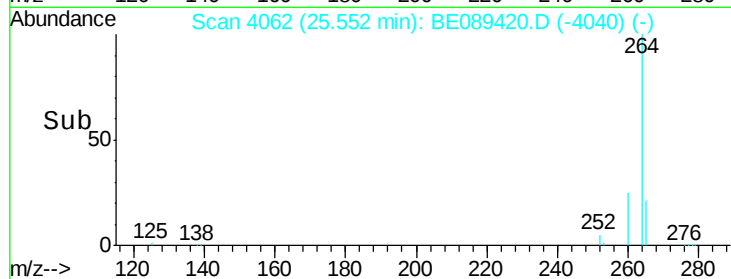
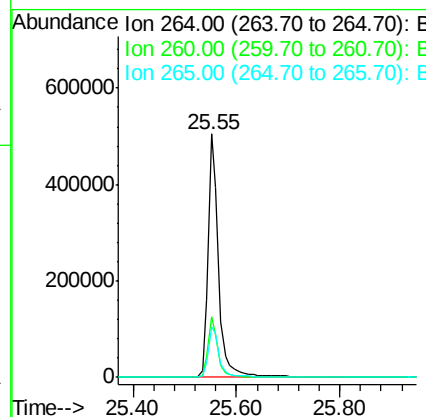
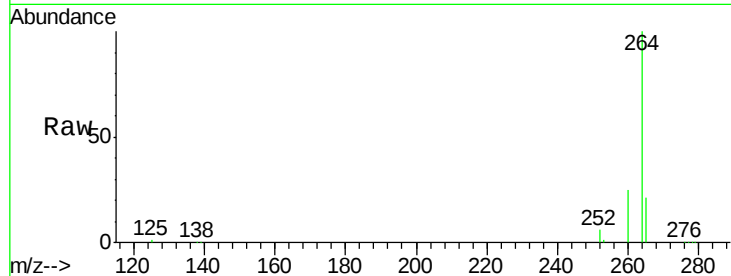




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4062
 Delta R.T. 0.00 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

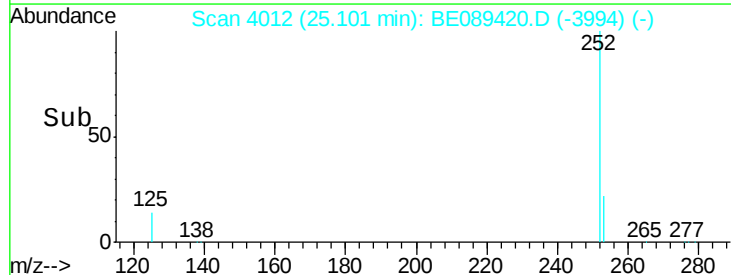
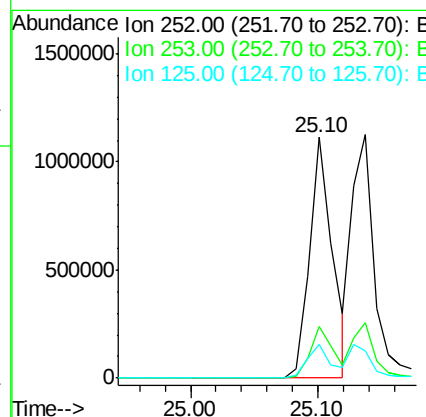
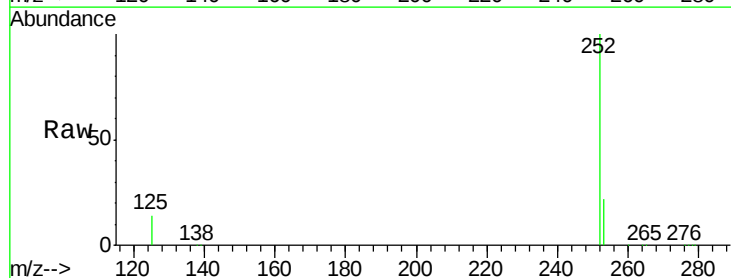
Instrument :
 BNA_E
 ClientSampleId :
 MW-48MS

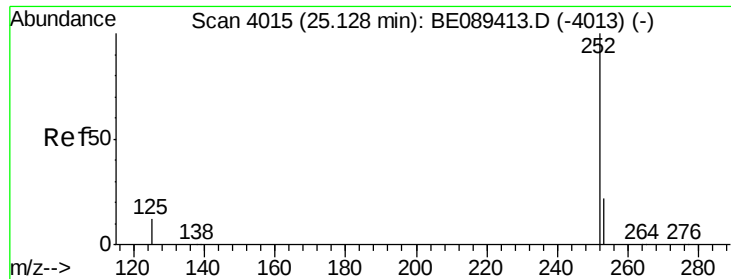
Tgt Ion: 264 Resp: 722031
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.4 29.0
 265 20.9 17.1 25.7



#28
 Benzo(b)fluoranthene
 Concen: 9.75 ng
 RT: 25.10 min Scan# 4012
 Delta R.T. 0.00 min
 Lab File: BE089420.D
 Acq: 29 Jan 2015 19:06

Tgt Ion: 252 Resp: 1378277
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.6 26.4
 125 14.0 10.5 15.7





#29

Benzo(k)fluoranthene

Concen: 7.02 ng

RT: 25.14 min Scan# 4016

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

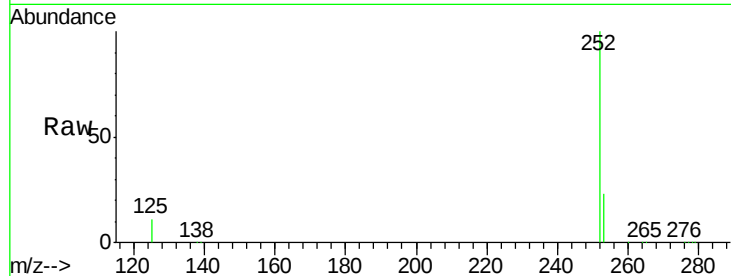
Tgt Ion:252 Resp: 1458118

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

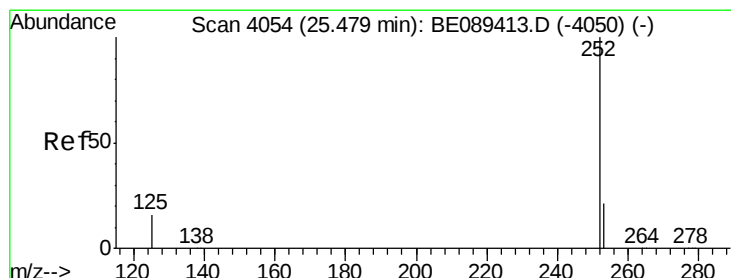
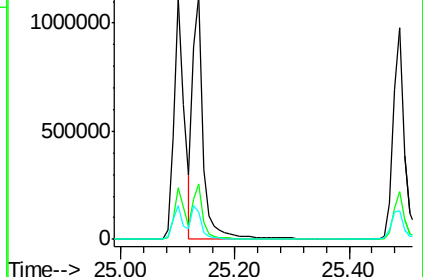
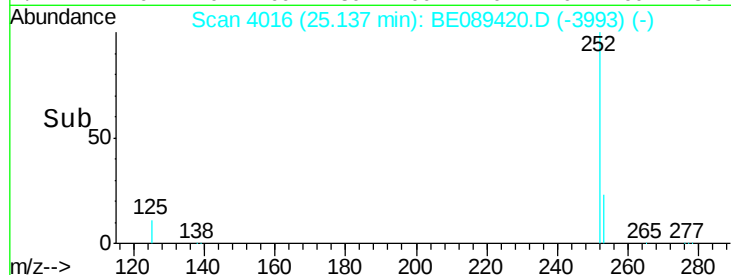
125 11.3 11.0 16.6



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: 8.92 ng

RT: 25.49 min Scan# 4055

Delta R.T. 0.01 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

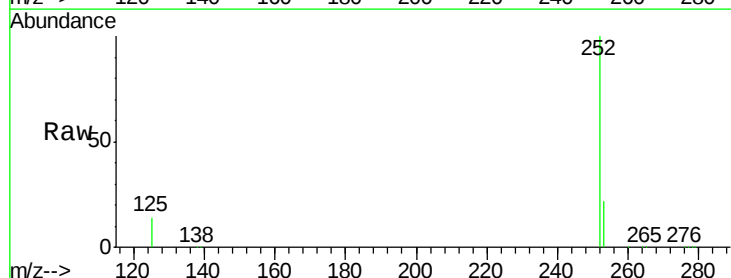
Tgt Ion:252 Resp: 1401917

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

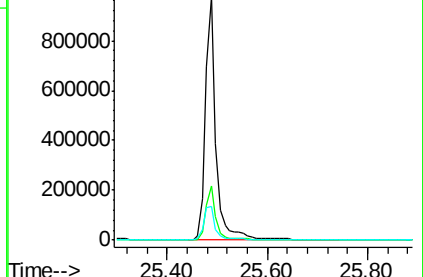
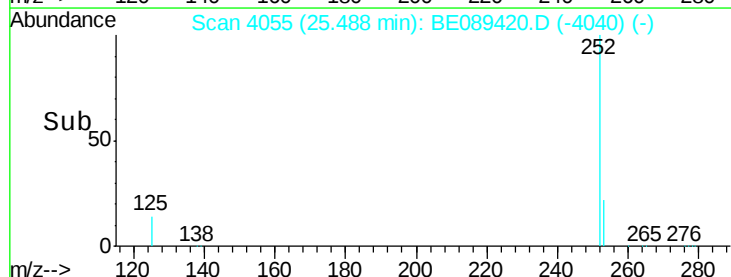
125 13.7 13.0 19.6

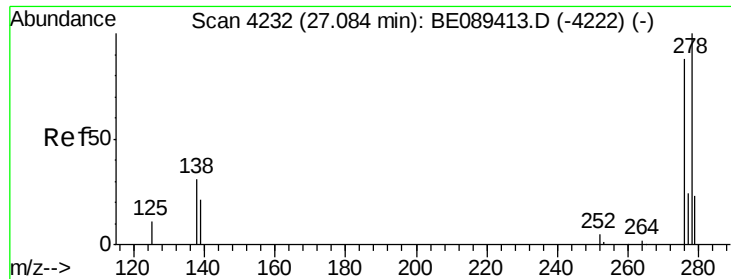


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 9.10 ng

RT: 27.10 min Scan# 4234

Delta R.T. 0.02 min

Lab File: BE089420.D

Acq: 29 Jan 2015 19:06

Instrument :

BNA_E

ClientSampleId :

MW-48MS

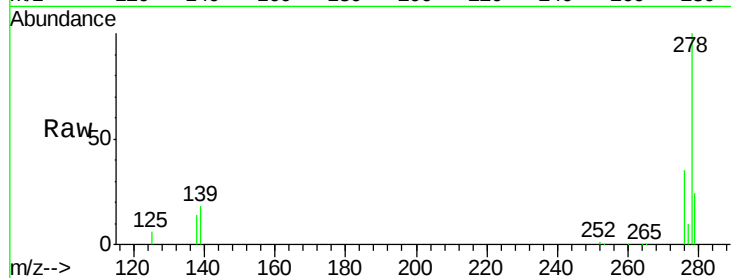
Tgt Ion:278 Resp: 1507646

Ion Ratio Lower Upper

278 100

139 17.6 17.2 25.8

279 24.0 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

