

Data Path : Z:\HPCHEM1\BNA_E\Data\BE021815\
 Data File : BE089626.D
 Acq On : 18 Feb 2015 20:12
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Quant Time: Feb 19 05:01:36 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 13:01:39 2015
 Response via : Initial Calibration

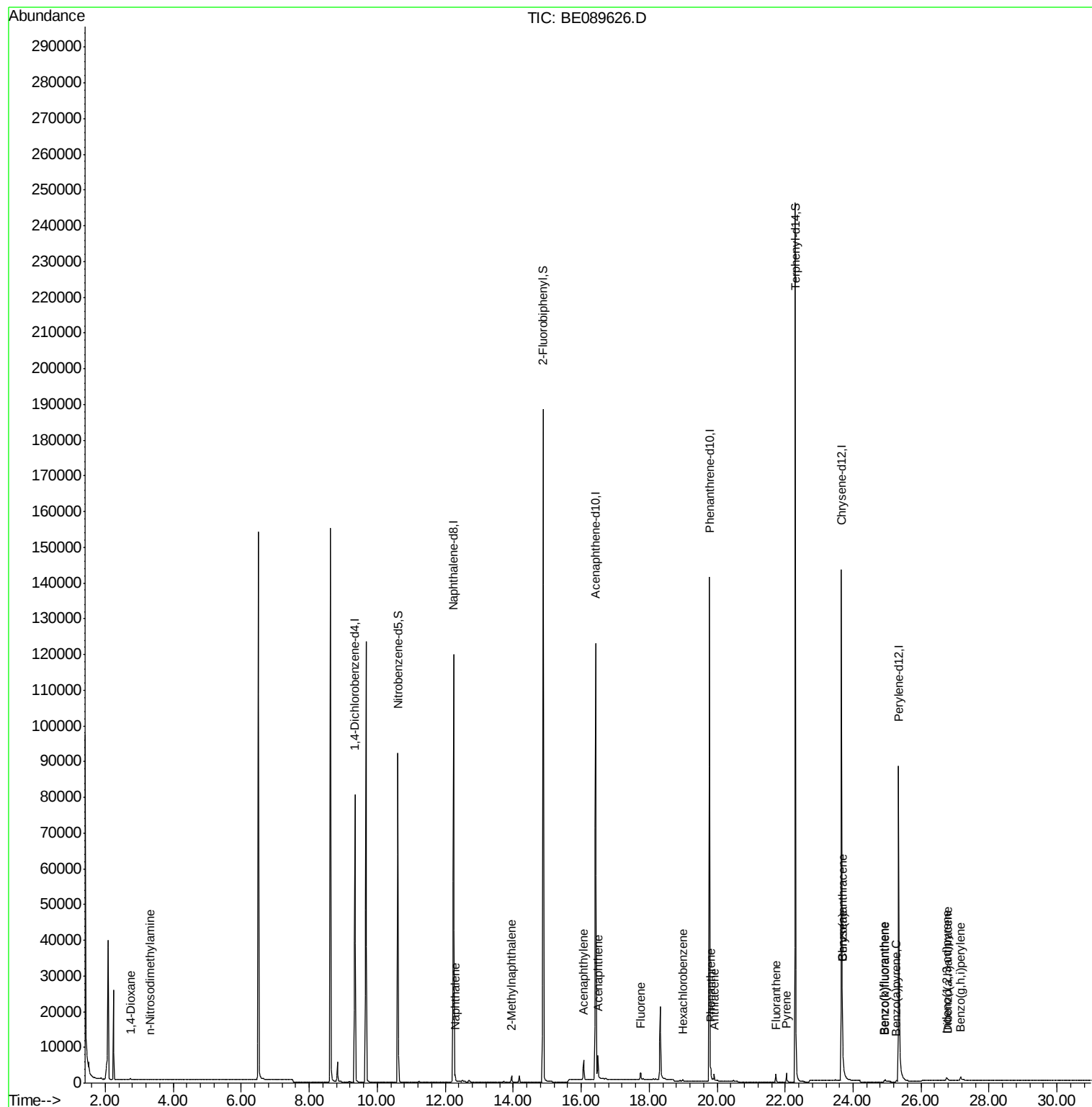
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37157	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	147268	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	72762	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	143226	5.00	ng	0.00
19) Chrysene-d12	23.66	240	127774	5.00	ng	0.00
25) Perylene-d12	25.34	264	100613	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	65970	10.31	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	176896	9.08	ng	0.00
21) Terphenyl-d14	22.30	244	209849	11.42	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.74	88	326	0.07	ng	# 80
3) n-Nitrosodimethylamine	3.33	42	5	0.00	ng	# 1
6) Naphthalene	12.29	128	2586	0.08	ng	# 93
7) 2-Methylnaphthalene	13.95	142	1406	0.07	ng	96
10) Acenaphthylene	16.07	152	7578	0.06	ng	100
11) Acenaphthene	16.50	154	1432	0.08	ng	89
12) Fluorene	17.74	166	1576	0.07	ng	98
14) Hexachlorobenzene	19.00	284	501	0.08	ng	# 92
15) Pentachlorophenol	19.44	266	31	Below Cal		# 67
16) Phenanthrene	19.82	178	2756	0.08	ng	99
17) Anthracene	19.91	178	1937	0.06	ng	99
18) Fluoranthene	21.72	202	1967	0.06	ng	99
20) Pyrene	22.04	202	2087	0.07	ng	99
22) Benzo(a)anthracene	23.69	228	11338	0.10	ng	93
23) Chrysene	23.69	228	11496	0.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.75	276	2155	0.19	ng	95
26) Benzo(b)fluoranthene	24.91	252	545	0.29	ng	# 78
27) Benzo(k)fluoranthene	24.94	252	886	0.03	ng	# 81
28) Benzo(a)pyrene	25.27	252	543	0.26	ng	# 73
29) Dibenzo(a,h)anthracene	26.77	278	380	0.25	ng	# 52
30) Benzo(g,h,i)perylene	27.16	276	2440	0.16	ng	# 72

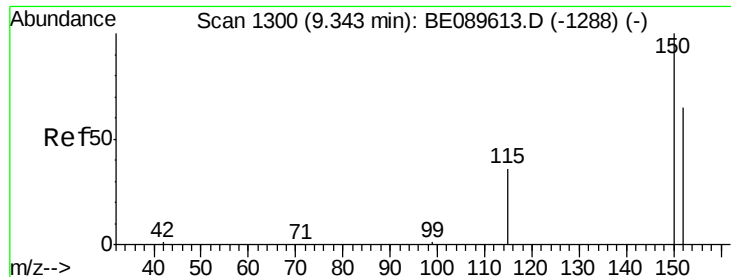
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 18 13:01:39 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

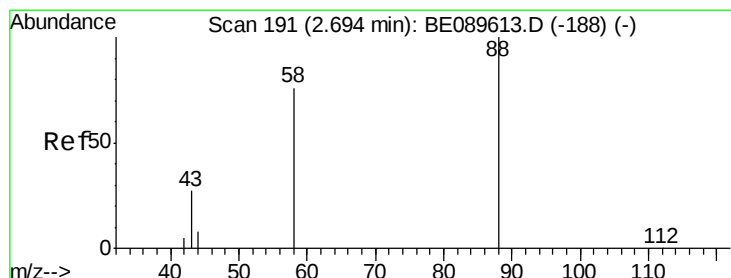
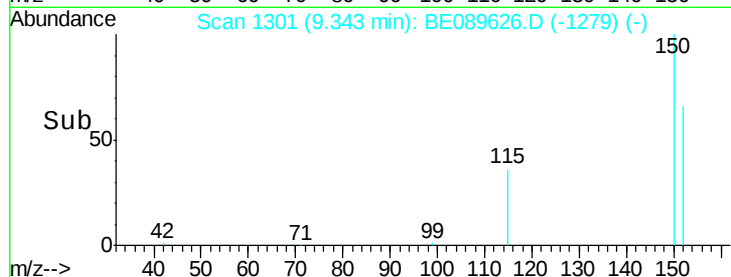
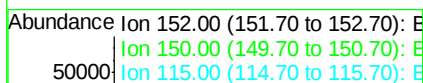
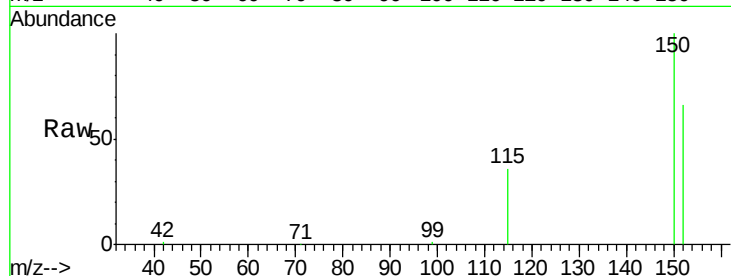
Tgt Ion:152 Resp: 37157

Ion Ratio Lower Upper

152 100

150 152.3 122.4 183.6

115 54.2 44.2 66.2



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 2.74 min Scan# 198

Delta R.T. 0.05 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

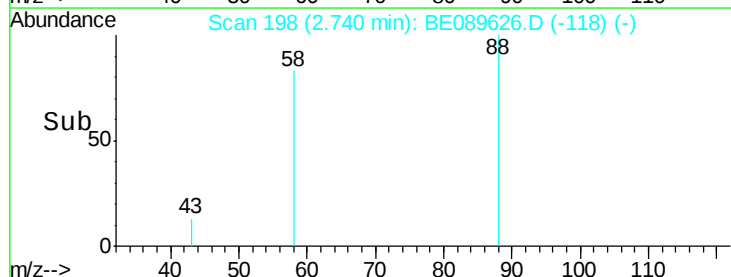
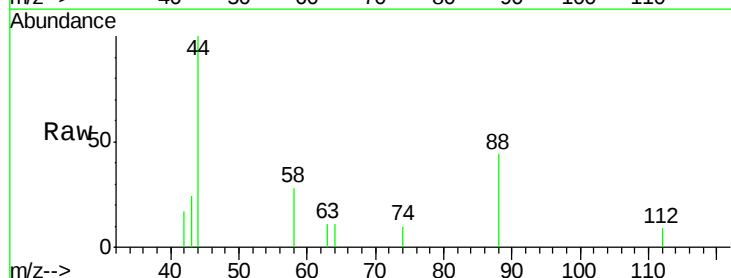
Tgt Ion: 88 Resp: 326

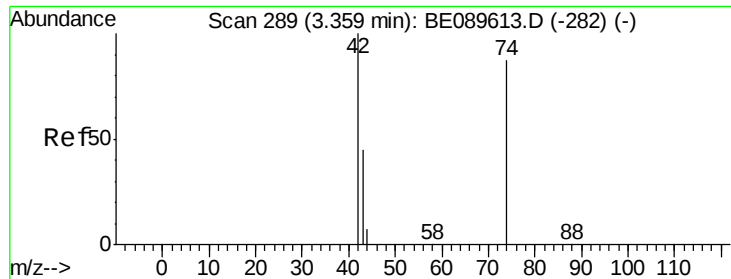
Ion Ratio Lower Upper

88 100

58 74.8 54.6 81.8

43 0.0 20.6 30.8#



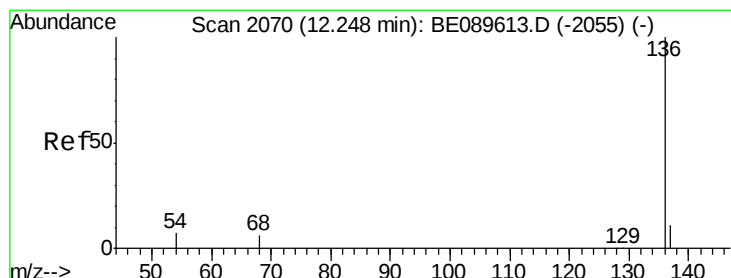
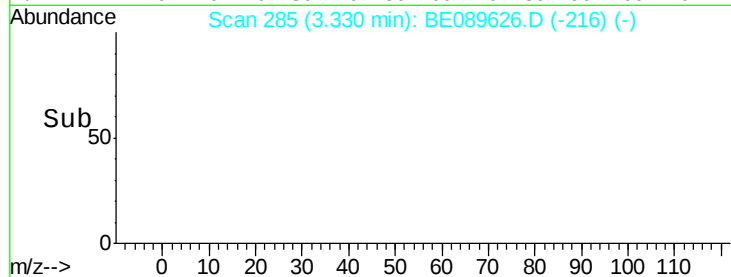
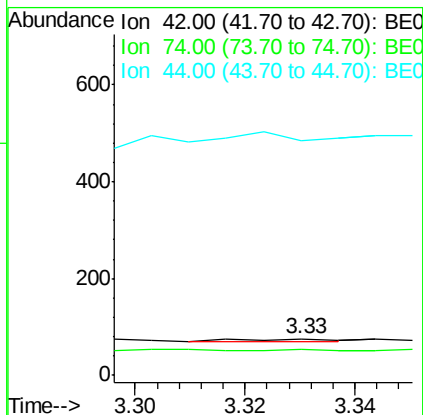
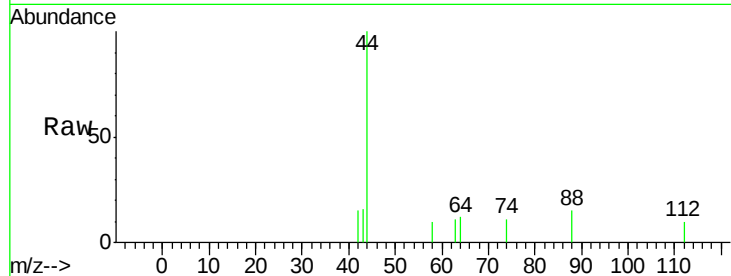


#3

n-Nitrosodimethylamine
 Concen: 0.00 ng
 RT: 3.33 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

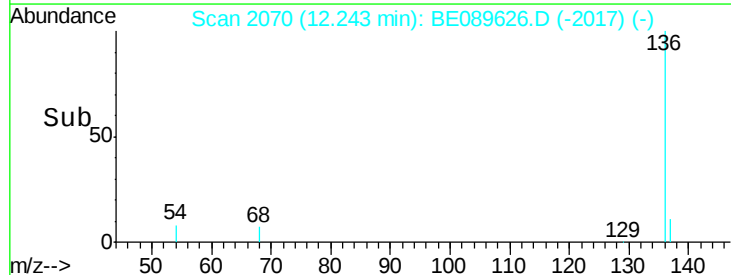
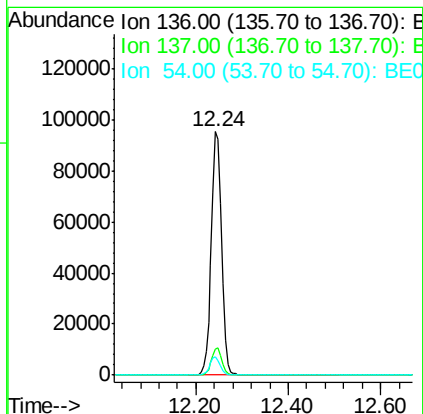
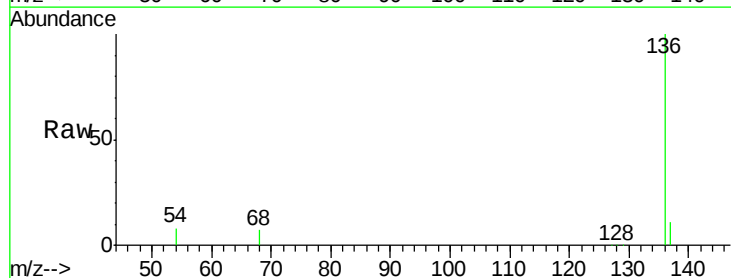
Tgt Ion: 42 Resp: 5
 Ion Ratio Lower Upper
 42 100
 74 0.0 121.4 182.0#
 44 1060.0 4.5 6.7#

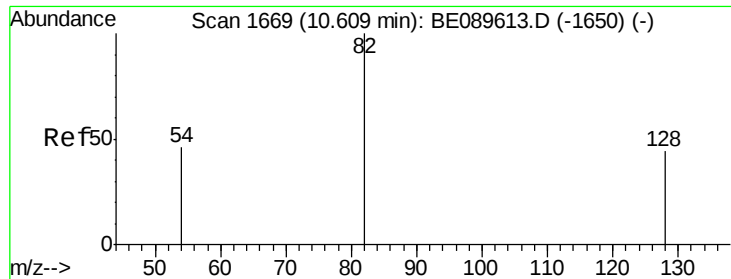


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion: 136 Resp: 147268
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.9 13.3
 54 7.7 5.3 7.9





#5

Nitrobenzene-d5

Concen: 10.31 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

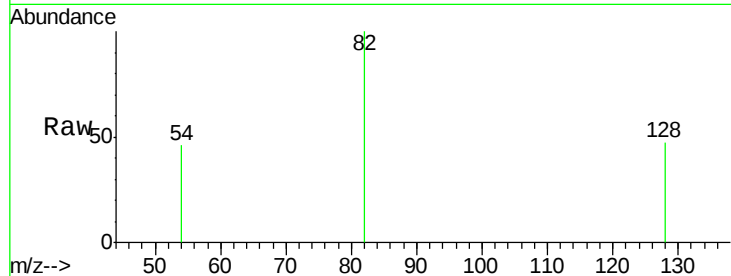
Tgt Ion: 82 Resp: 65970

Ion Ratio Lower Upper

82 100

128 47.3 35.5 53.3

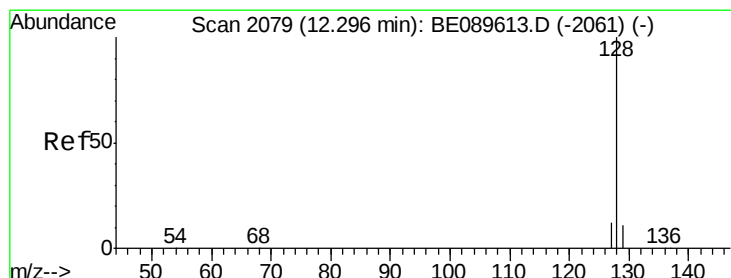
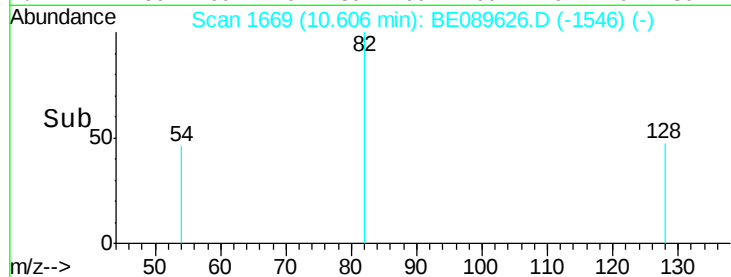
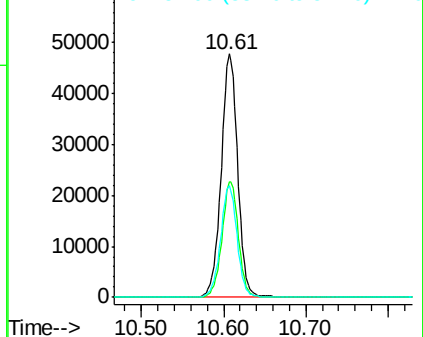
54 45.7 37.5 56.3



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



#6

Naphthalene

Concen: 0.08 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

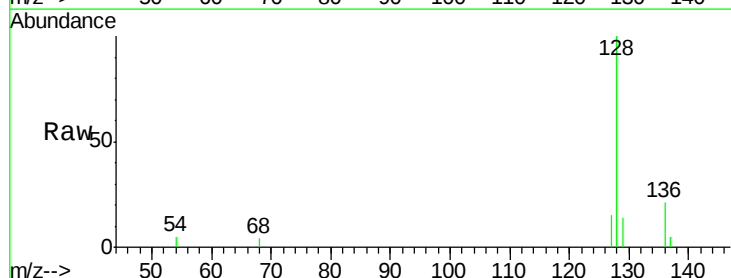
Tgt Ion: 128 Resp: 2586

Ion Ratio Lower Upper

128 100

129 13.7 8.9 13.3#

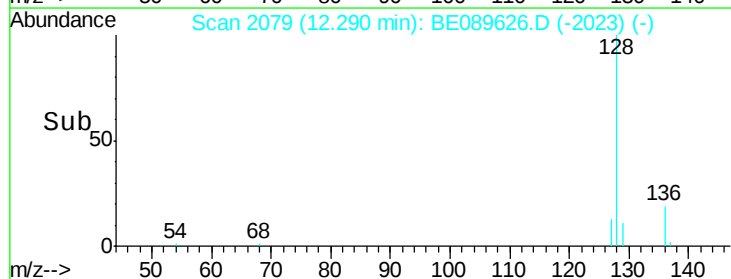
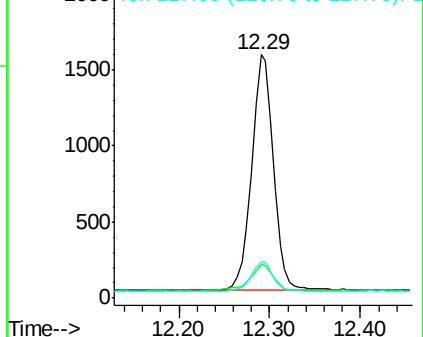
127 15.1 9.8 14.8#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.07 ng

RT: 13.95 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

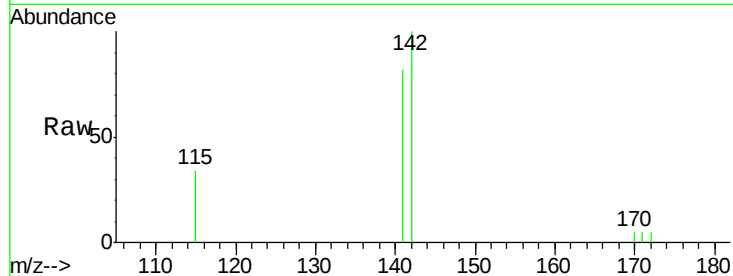
Tgt Ion:142 Resp: 1406

Ion Ratio Lower Upper

142 100

141 82.2 68.3 102.5

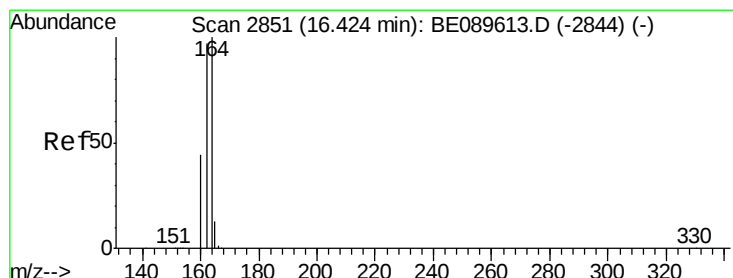
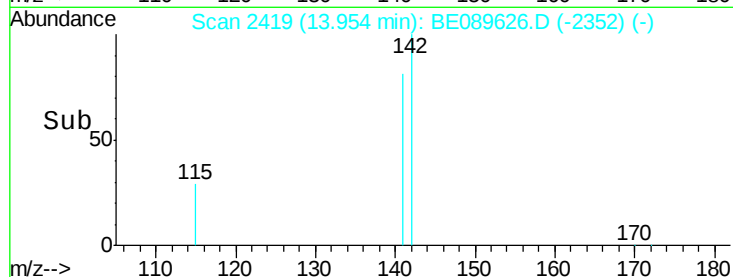
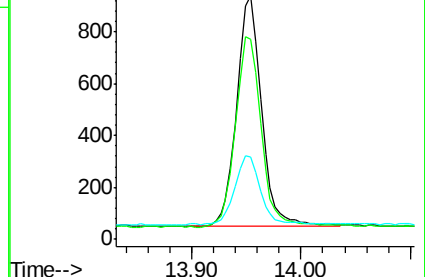
115 33.6 25.1 37.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

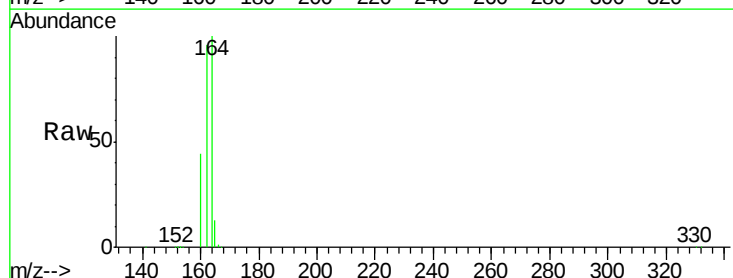
Tgt Ion:164 Resp: 72762

Ion Ratio Lower Upper

164 100

162 96.0 77.5 116.3

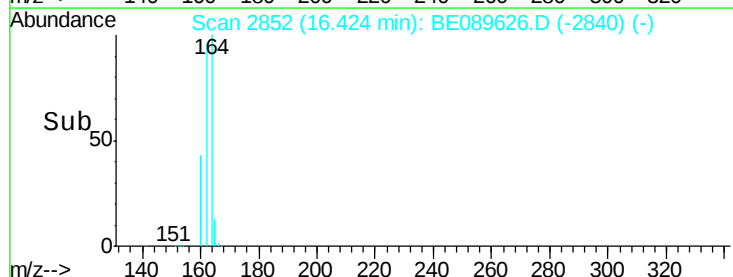
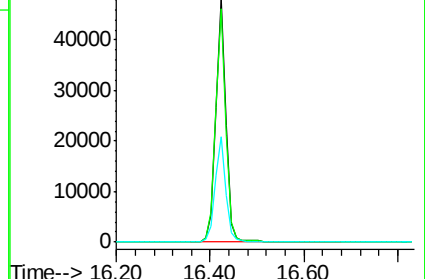
160 43.5 35.5 53.3



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





#9

2-Fluorobiphenyl

Concen: 9.08 ng

RT: 14.88 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

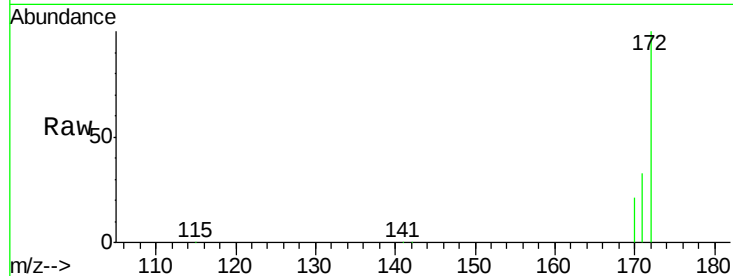
Tgt Ion:172 Resp: 176896

Ion Ratio Lower Upper

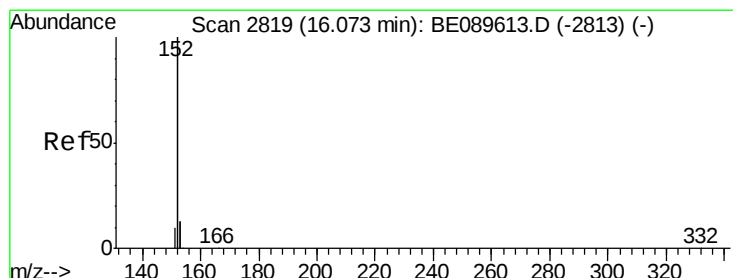
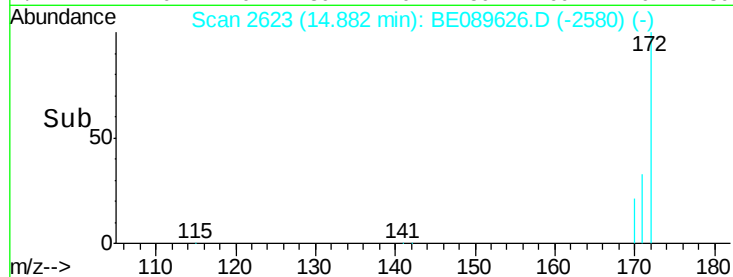
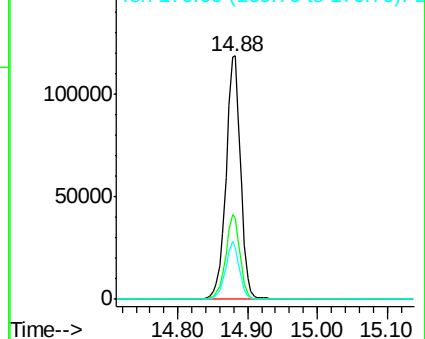
172 100

171 33.3 26.9 40.3

170 21.3 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.06 ng

RT: 16.07 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

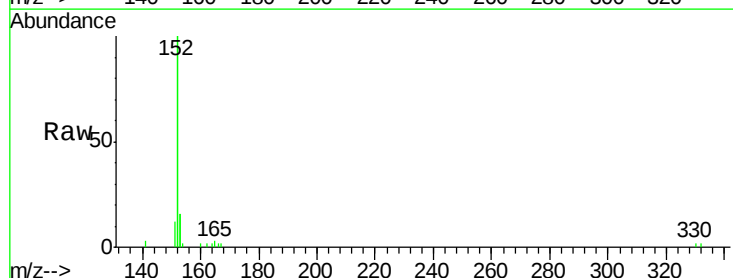
Tgt Ion:152 Resp: 7578

Ion Ratio Lower Upper

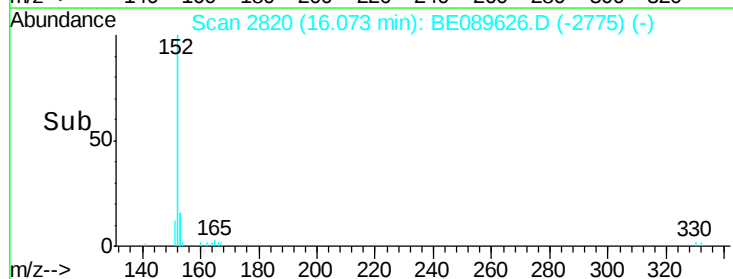
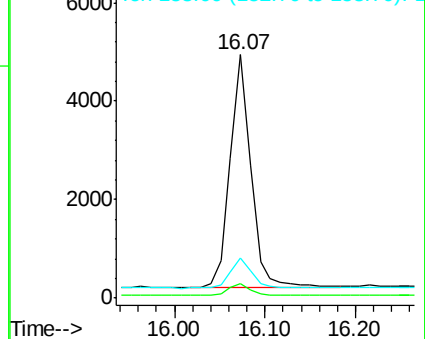
152 100

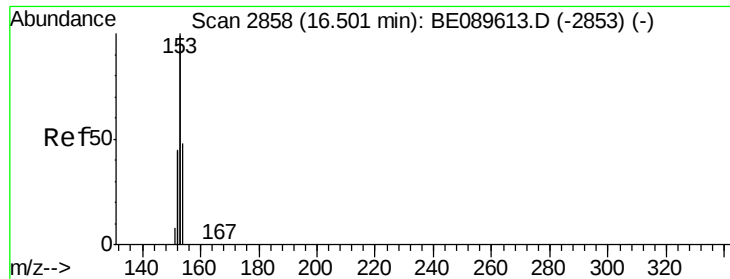
151 4.9 3.9 5.9

153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.08 ng

RT: 16.50 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

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MDL-06-W

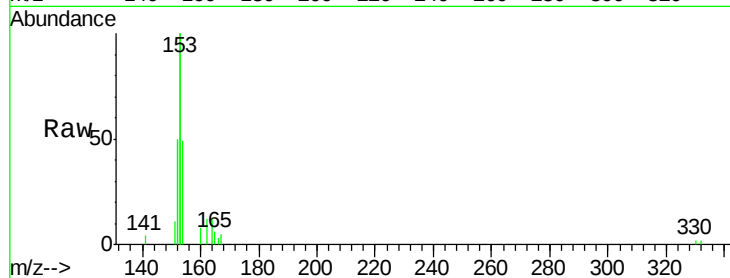
Tgt Ion:154 Resp: 1432

Ion Ratio Lower Upper

154 100

153 456.1 348.9 523.3

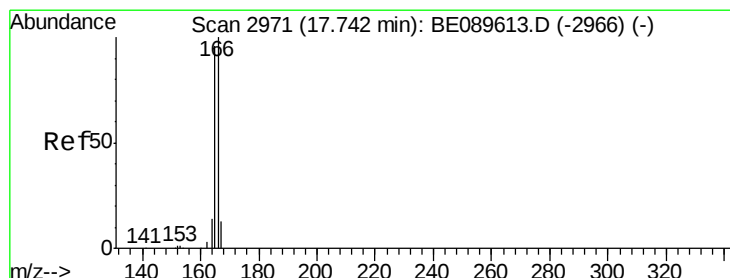
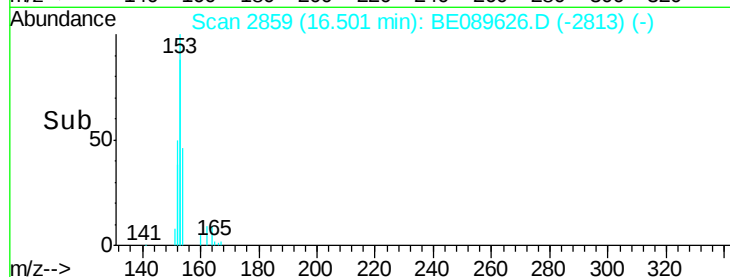
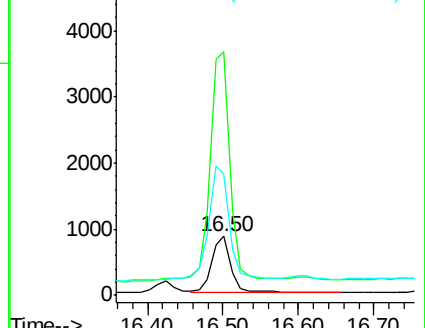
152 237.4 166.6 249.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.07 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

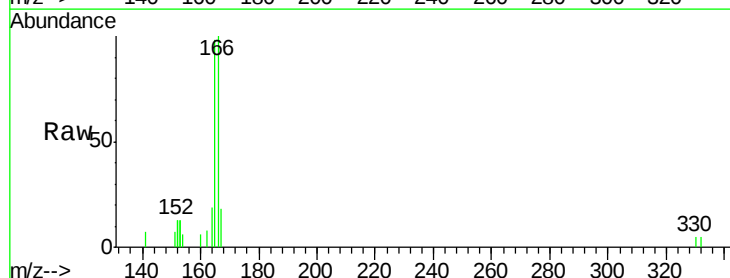
Tgt Ion:166 Resp: 1576

Ion Ratio Lower Upper

166 100

165 91.6 74.7 112.1

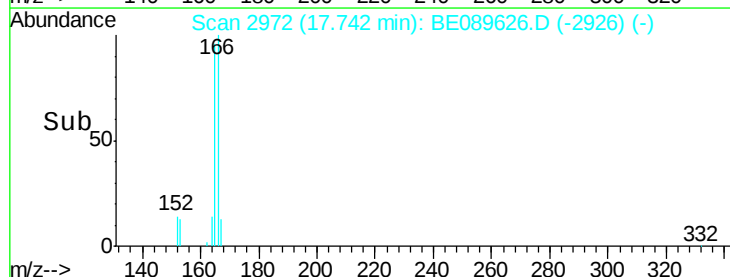
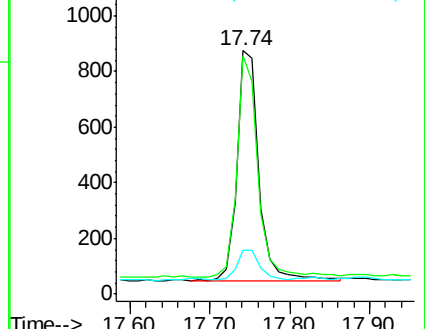
167 13.4 10.5 15.7

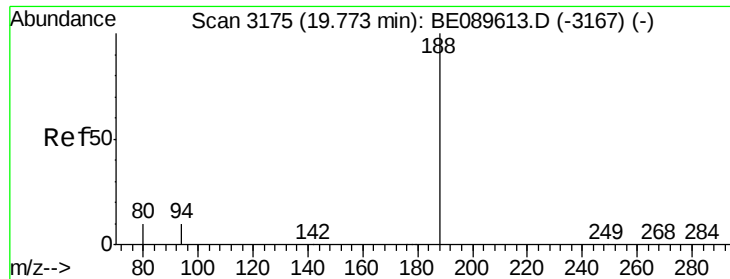


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3176

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

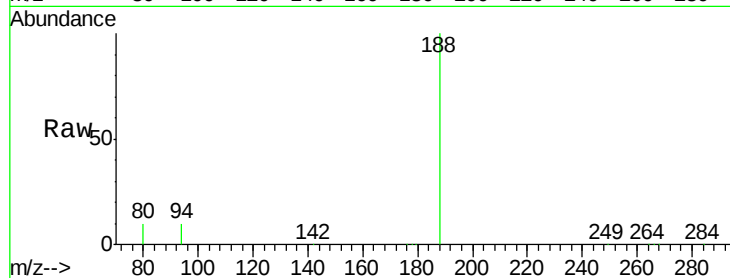
Tgt Ion:188 Resp: 143226

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.4

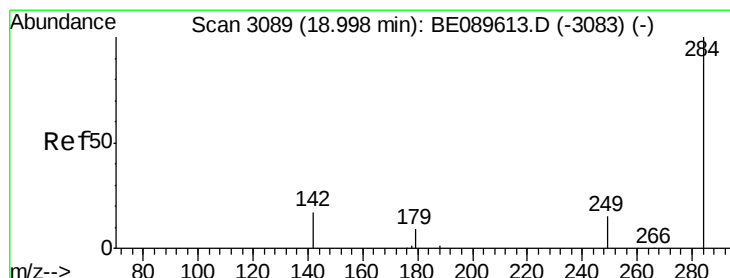
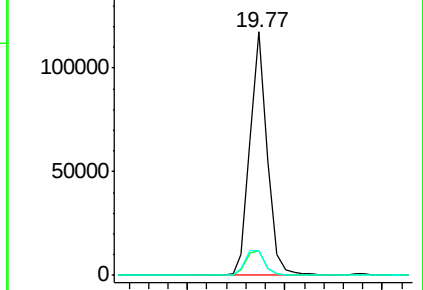
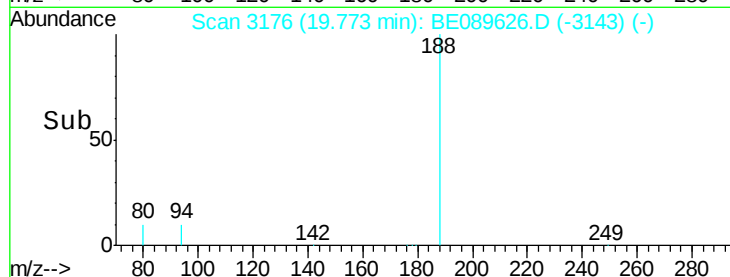
80 9.9 8.1 12.1



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



#14

Hexachlorobenzene

Concen: 0.08 ng

RT: 19.00 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

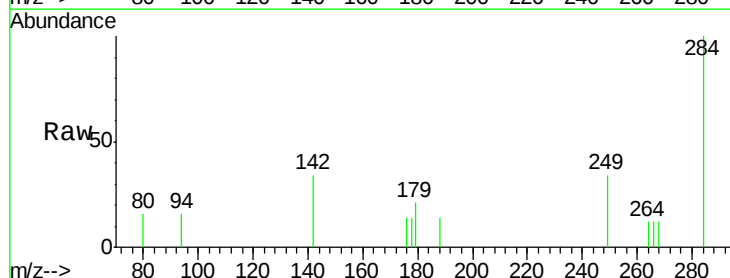
Tgt Ion:284 Resp: 501

Ion Ratio Lower Upper

284 100

142 48.9 32.3 48.5#

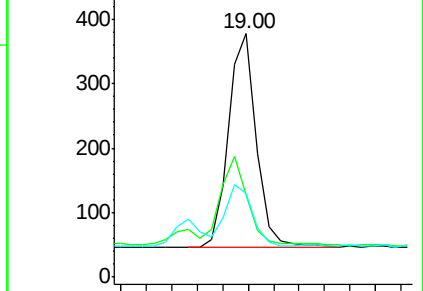
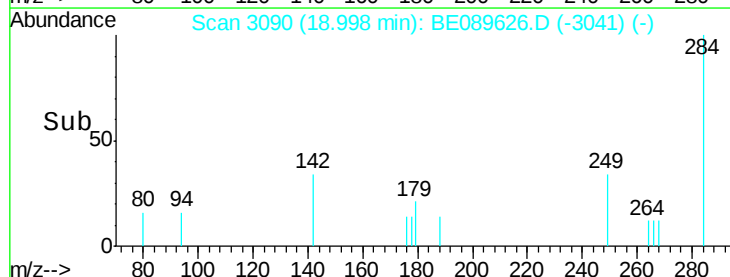
249 27.5 22.3 33.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

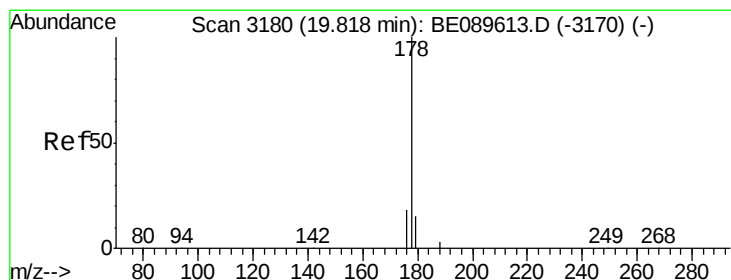
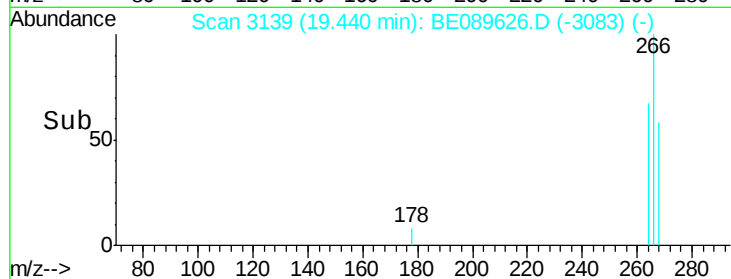
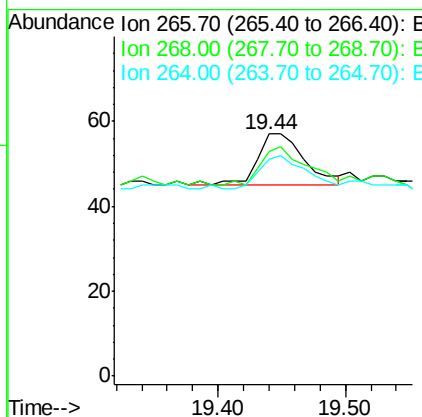
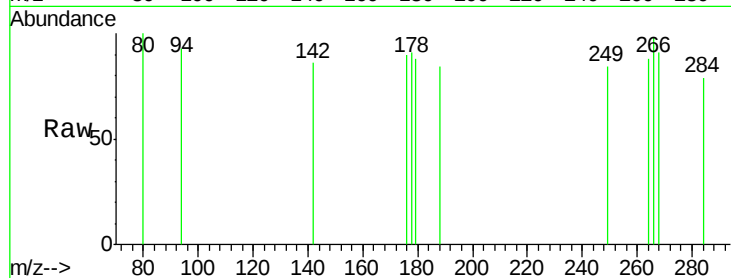




#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

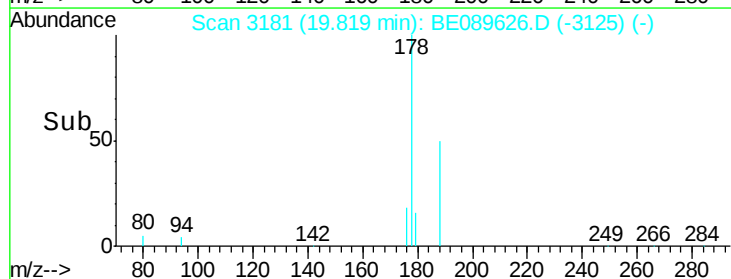
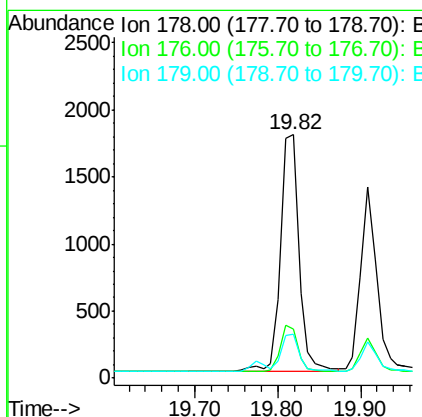
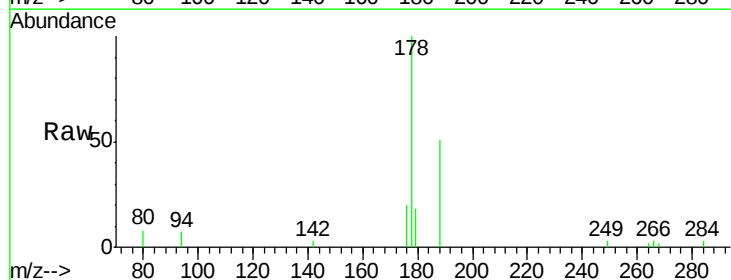
Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Tgt Ion: 266 Resp: 31
 Ion Ratio Lower Upper
 266 100
 268 93.0 52.6 79.0#
 264 89.5 51.8 77.8#



#16
 Phenanthrene
 Concen: 0.08 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion: 178 Resp: 2756
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 14.7 12.3 18.5

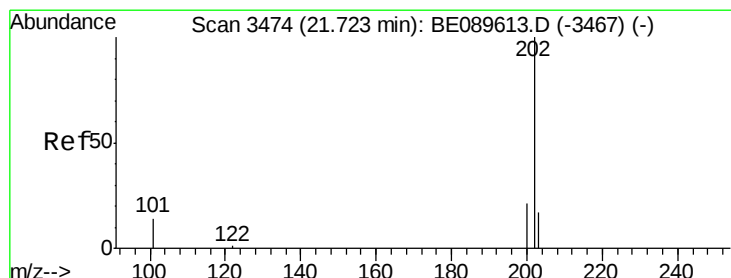
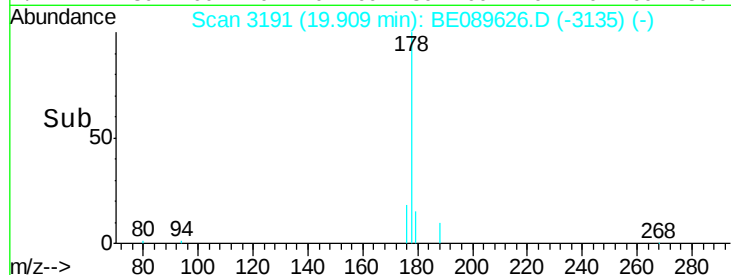
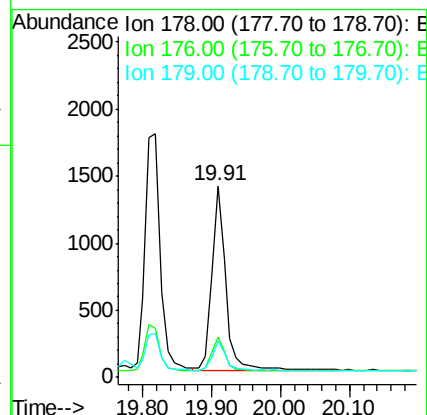
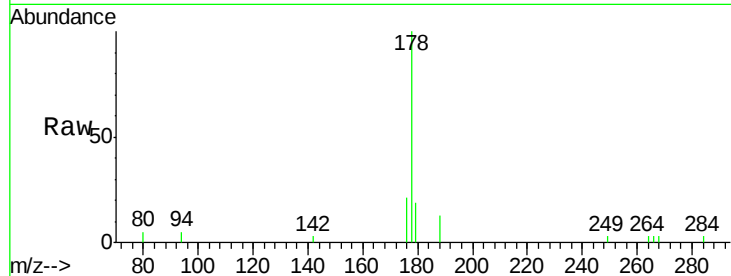




#17
 Anthracene
 Concen: 0.06 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

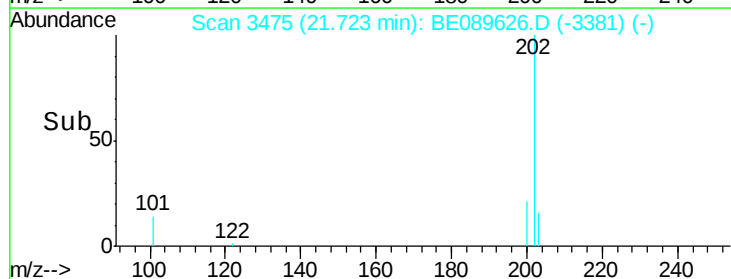
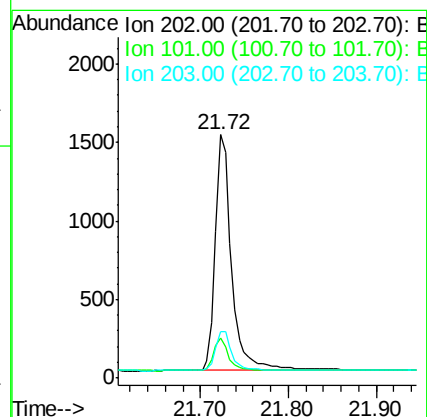
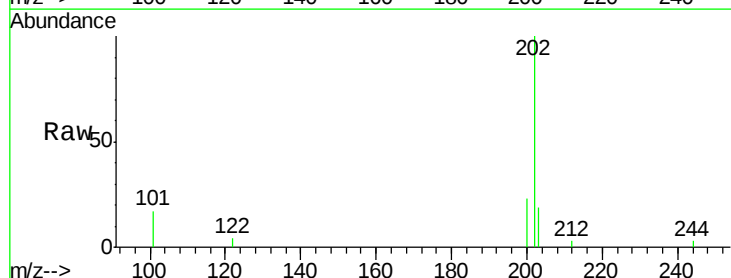
Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

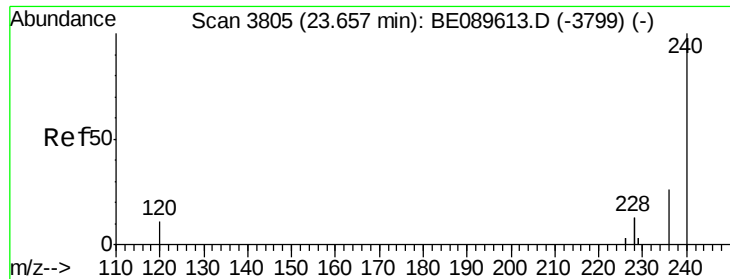
Tgt Ion:178 Resp: 1937
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 14.5 12.3 18.5



#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.72 min Scan# 3475
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion:202 Resp: 1967
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.4 15.6
 203 16.5 13.9 20.9





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

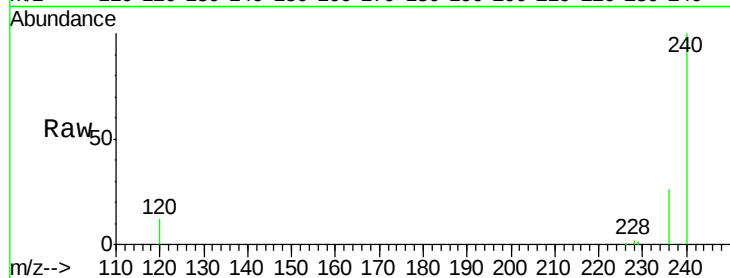
Tgt Ion:240 Resp: 127774

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

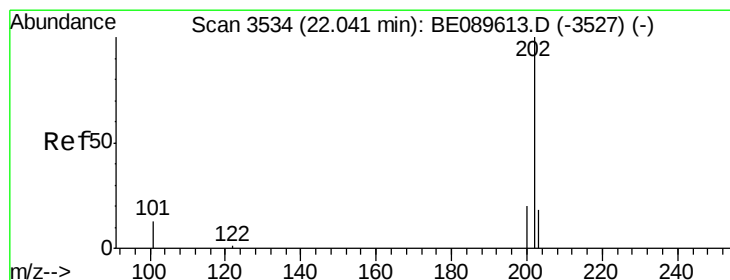
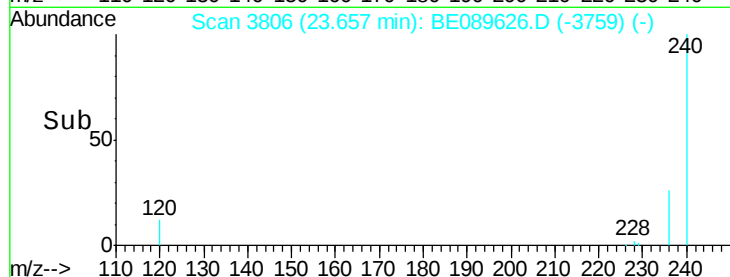
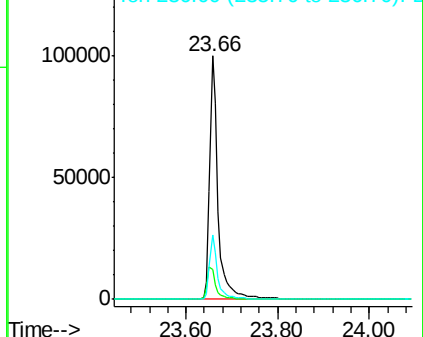
236 26.3 21.0 31.6



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



#20

Pyrene

Concen: 0.07 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

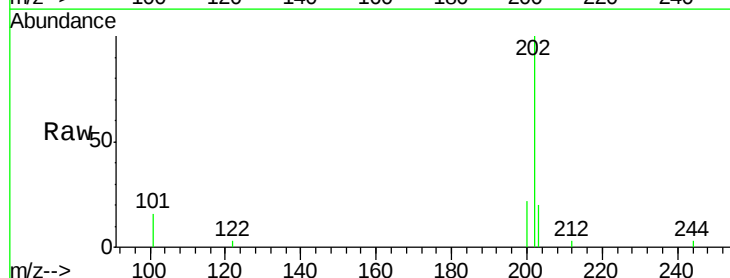
Tgt Ion:202 Resp: 2087

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

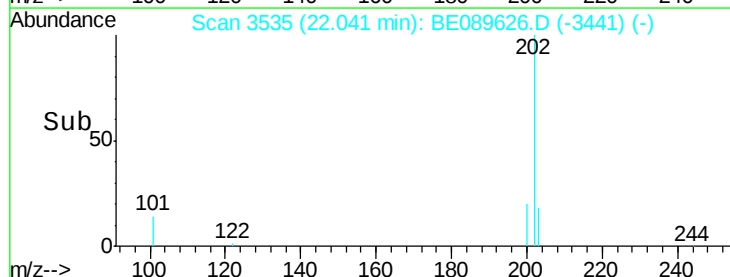
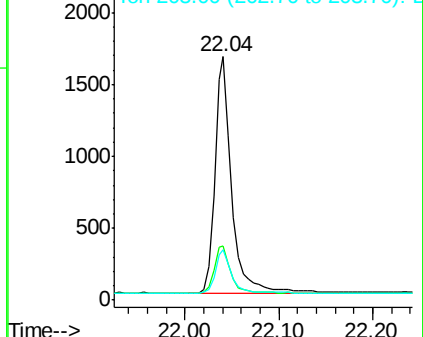
203 18.4 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 11.42 ng

RT: 22.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

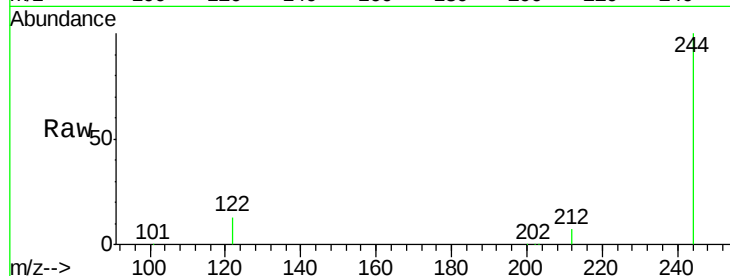
Tgt Ion:244 Resp: 209849

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

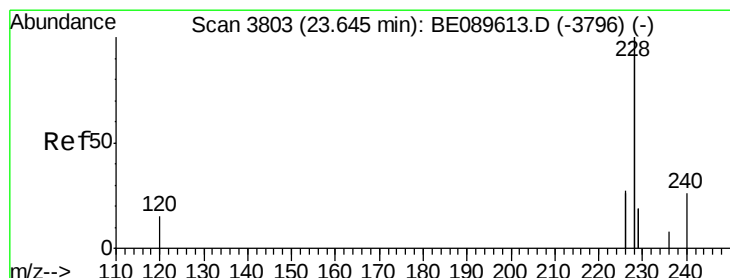
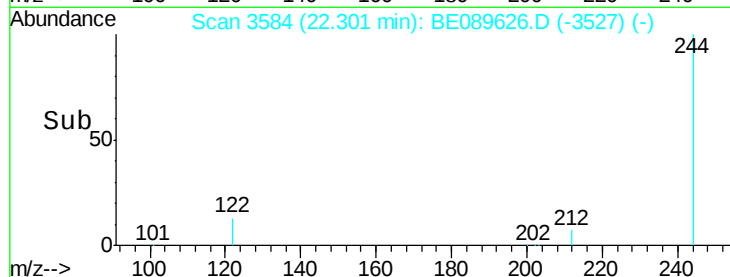
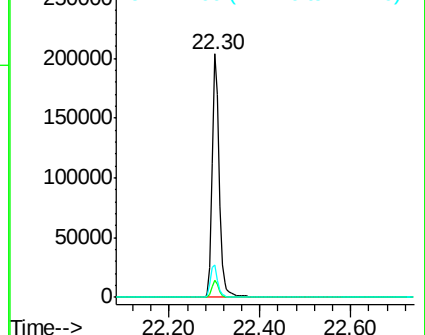
122 13.3 11.8 17.8



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



#22

Benzo(a)anthracene

Concen: 0.10 ng

RT: 23.69 min Scan# 3811

Delta R.T. 0.04 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

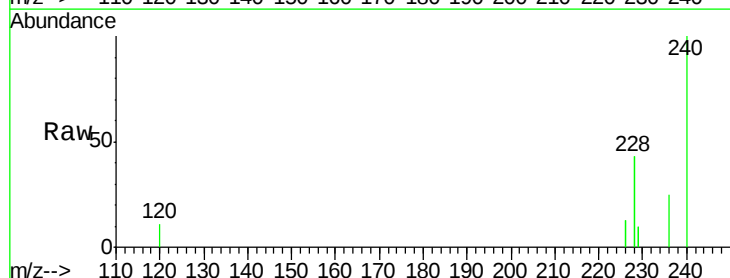
Tgt Ion:228 Resp: 11338

Ion Ratio Lower Upper

228 100

226 30.0 21.2 31.8

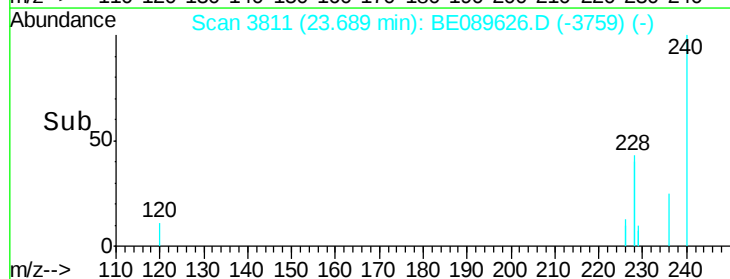
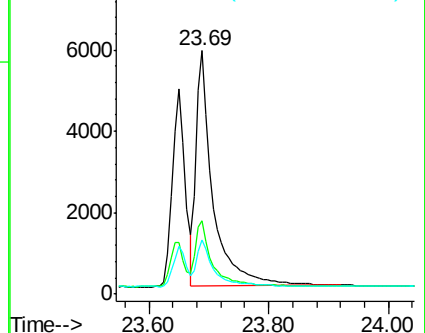
229 22.4 15.2 22.8



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





#23

Chrysene

Concen: 0.09 ng

RT: 23.69 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

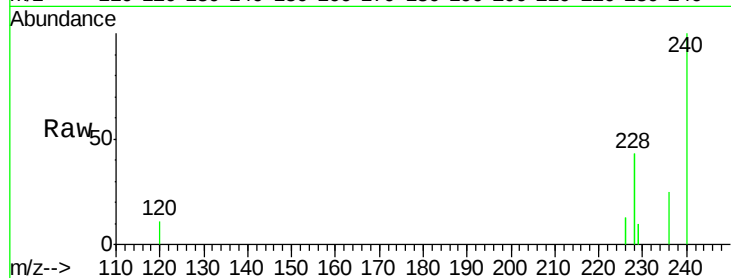
Tgt Ion:228 Resp: 11496

Ion Ratio Lower Upper

228 100

226 30.0 22.2 33.4

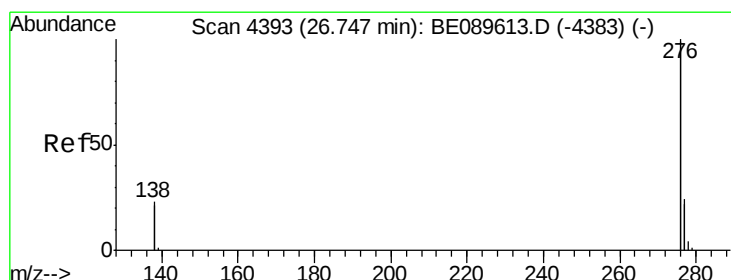
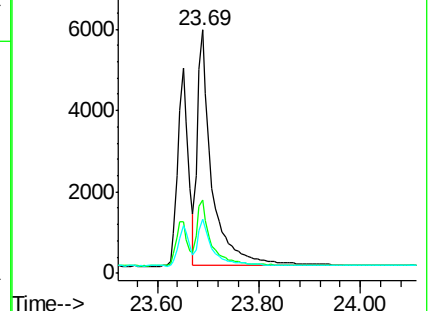
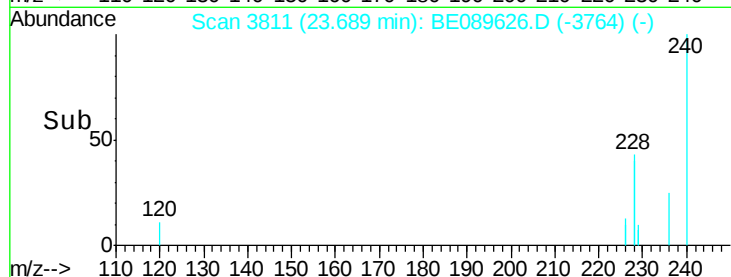
229 22.4 16.0 24.0



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

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 26.75 min Scan# 4394

Delta R.T. 0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

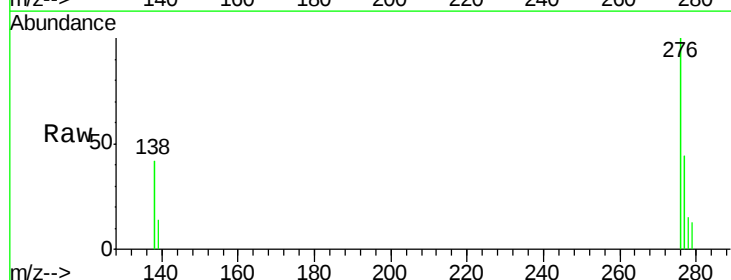
Tgt Ion:276 Resp: 2155

Ion Ratio Lower Upper

276 100

138 23.6 21.4 32.2

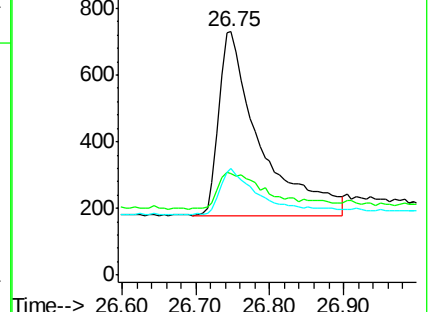
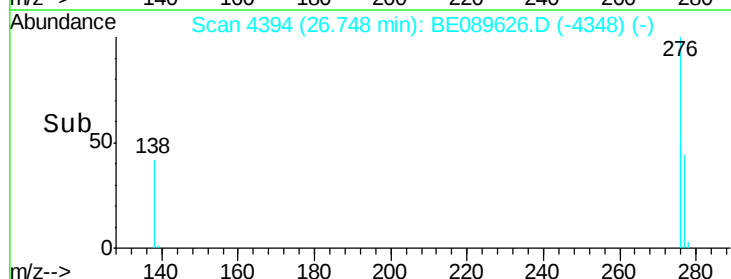
277 23.0 19.9 29.9

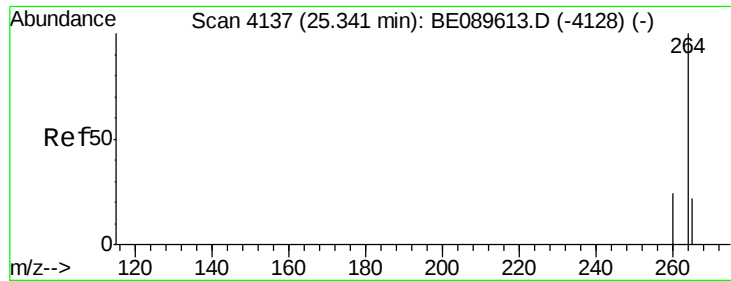


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

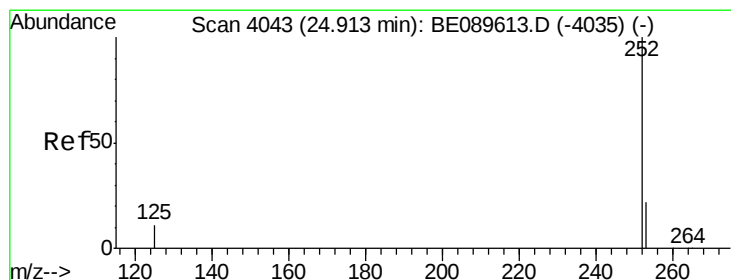
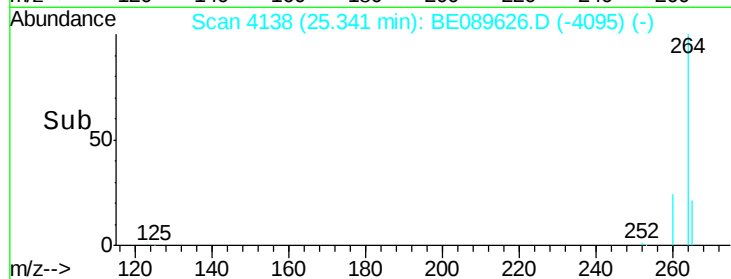
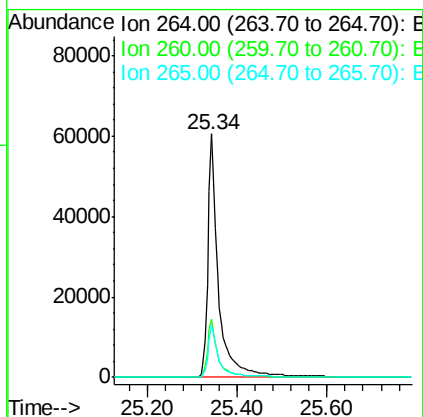
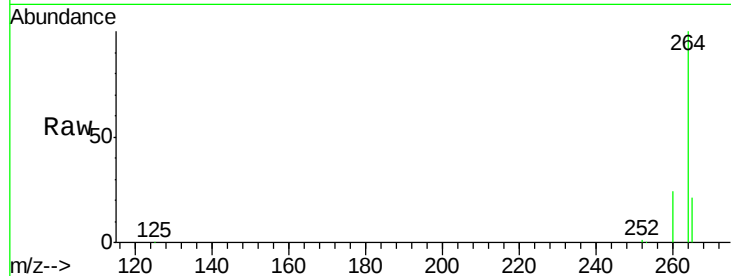




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

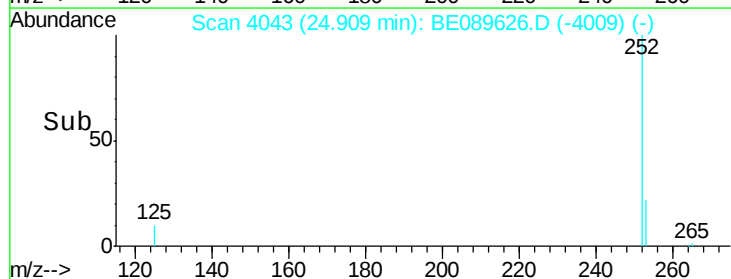
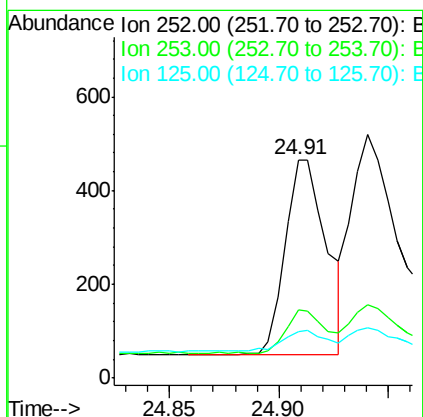
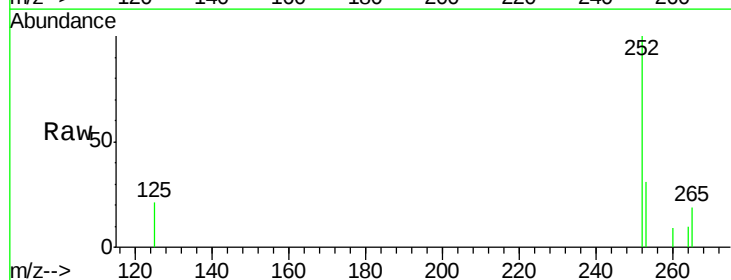
Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Tgt Ion: 264 Resp: 100613
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.3 17.4 26.0



#26
 Benzo(b)fluoranthene
 Concen: 0.29 ng
 RT: 24.91 min Scan# 4043
 Delta R.T. -0.00 min
 Lab File: BE089626.D
 Acq: 18 Feb 2015 20:12

Tgt Ion: 252 Resp: 545
 Ion Ratio Lower Upper
 252 100
 253 31.1 17.6 26.4#
 125 21.0 8.8 13.2#





#27

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 24.94 min Scan# 4050

Delta R.T. -0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

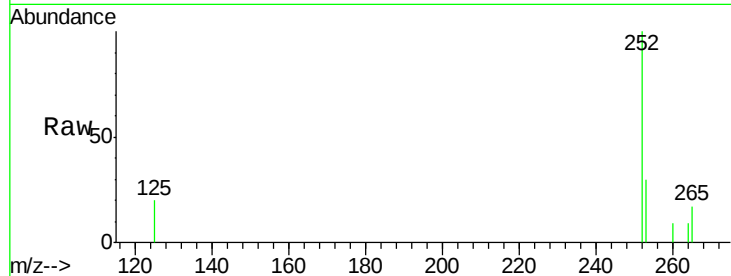
Tgt Ion:252 Resp: 886

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

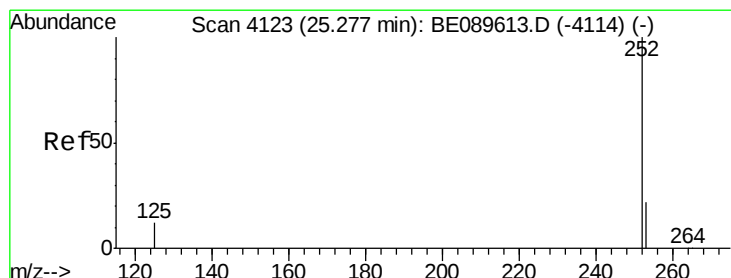
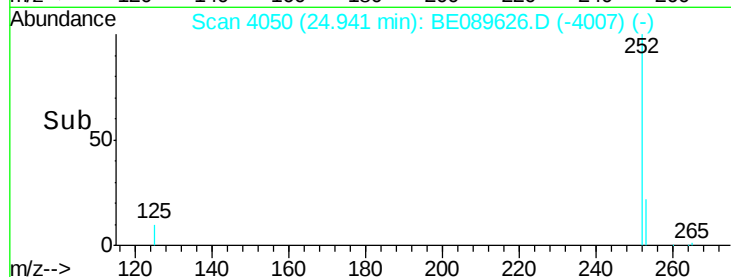
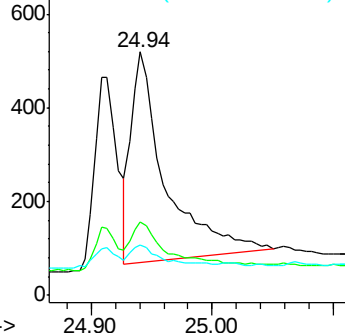
125 20.4 8.8 13.2#



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



#28

Benzo(a)pyrene

Concen: 0.26 ng

RT: 25.27 min Scan# 4123

Delta R.T. -0.00 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

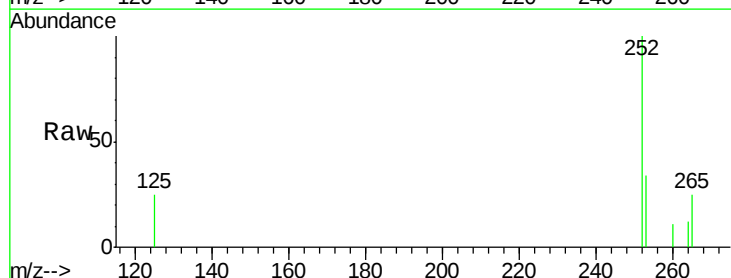
Tgt Ion:252 Resp: 543

Ion Ratio Lower Upper

252 100

253 34.2 18.1 27.1#

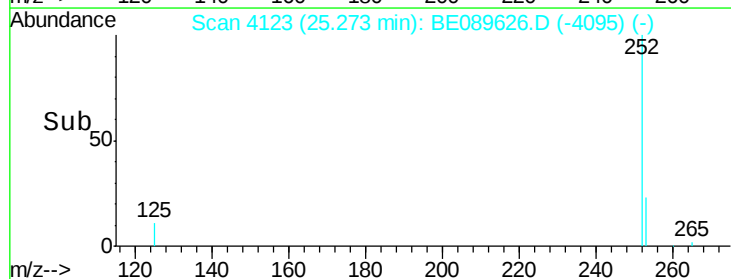
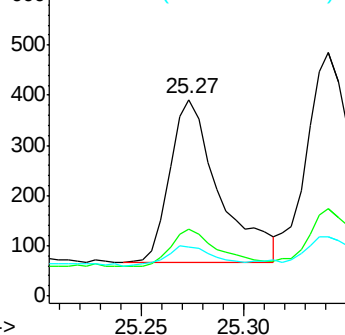
125 25.0 9.6 14.4#

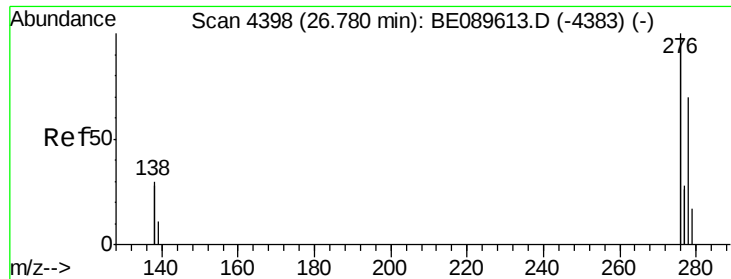


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.25 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.01 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

Instrument :

BNA_E

ClientSampleId :

MDL-06-W

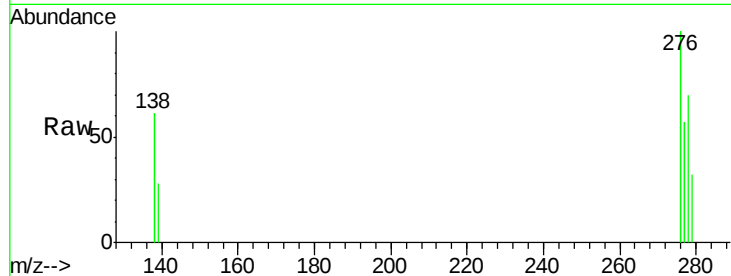
Tgt Ion:278 Resp: 380

Ion Ratio Lower Upper

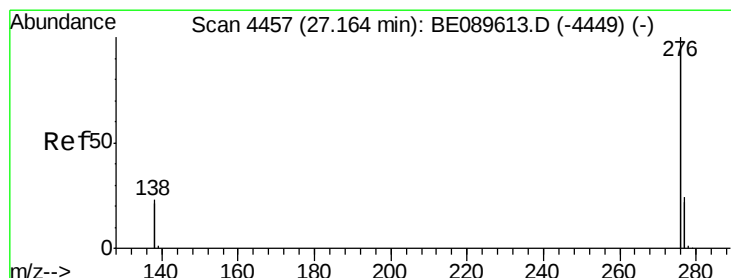
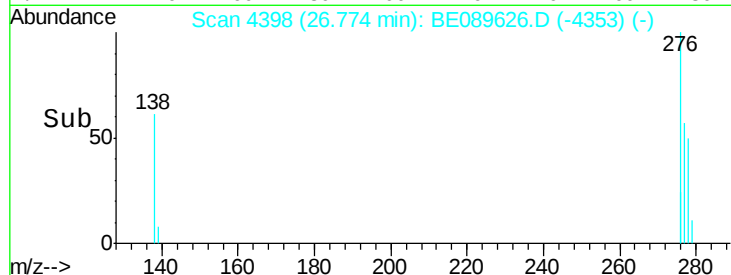
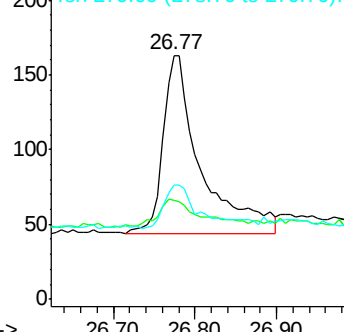
278 100

139 40.5 13.7 20.5#

279 46.6 19.7 29.5#



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



#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.16 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089626.D

Acq: 18 Feb 2015 20:12

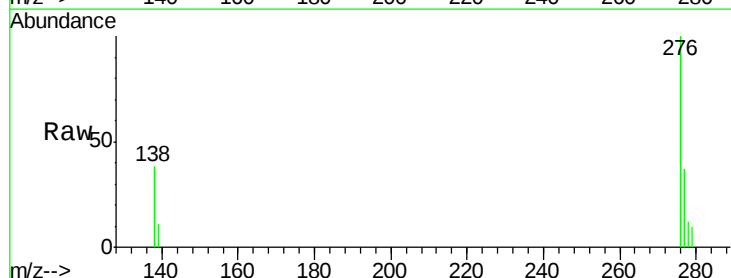
Tgt Ion:276 Resp: 2440

Ion Ratio Lower Upper

276 100

277 36.9 19.1 28.7#

138 38.4 18.7 28.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

