

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091534.D
 Acq On : 28 Mar 2016 11:38
 Operator : UM/SJ
 Sample : H1739-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Quant Time: Mar 28 18:58:00 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:00:32 2016
 Response via : Initial Calibration

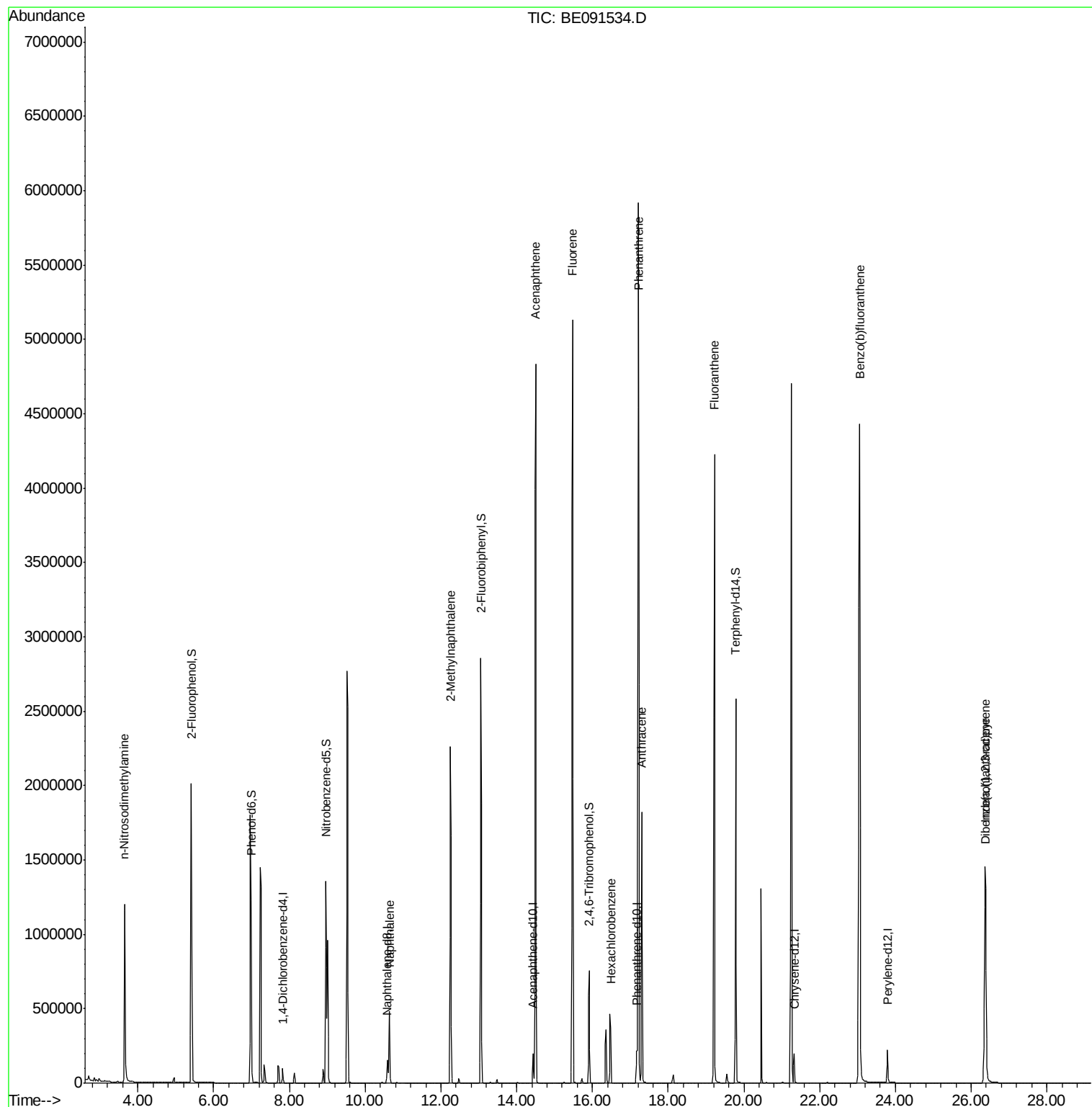
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	48951	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	214287	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	121955	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	281414	5.00	ng	0.00
22) Chrysene-d12	21.33	240	314560	5.00	ng	0.00
28) Perylene-d12	23.78	264	329353	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1430176	149.83	ng	-0.02
5) Phenol-d6	6.99	99	2148572	164.98	ng	0.00
7) Nitrobenzene-d5	8.97	82	1195566	128.40	ng	-0.01
11) 2,4,6-Tribromophenol	15.92	330	537557	259.14	ng	0.00
12) 2-Fluorobiphenyl	13.06	172	2744278	79.89	ng	-0.01
24) Terphenyl-d14	19.78	244	3337096	64.52	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.64	42	1078098	147.86	ng	# 94
8) Naphthalene	10.65	128	928055	21.49	ng	# 92
9) 2-Methylnaphthalene	12.25	142	1659101	61.50	ng	# 86
14) Acenaphthene	14.50	154	2877789	95.36	ng	96
15) Fluorene	15.48	166	3462136	93.93	ng	99
17) Hexachlorobenzene	16.48	284	507365	51.36	ng	96
19) Phenanthrene	17.22	178	7093393m	110.05	ng	
20) Anthracene	17.30	178	1974107	36.99	ng	98
21) Fluoranthene	19.22	202	5016434	83.21	ng	# 93
27) Indeno(1,2,3-cd)pyrene	26.38	276	3236776	43.64	ng	96
29) Benzo(b)fluoranthene	23.06	252	8174369	111.73	ng	93
32) Dibenzo(a,h)anthracene	26.39	278	93016	1.43	ng	# 80

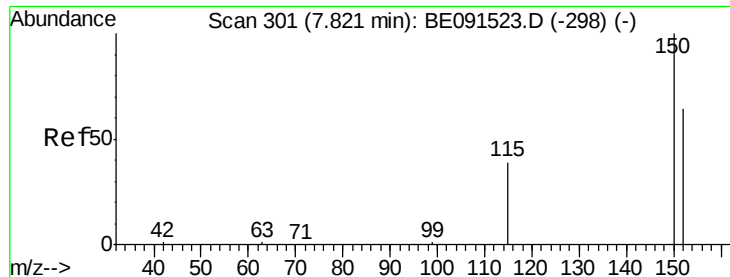
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

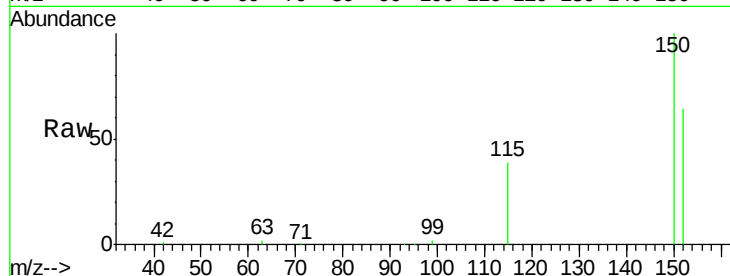
Tgt Ion:152 Resp: 48951

Ion Ratio Lower Upper

152 100

150 156.1 122.2 183.2

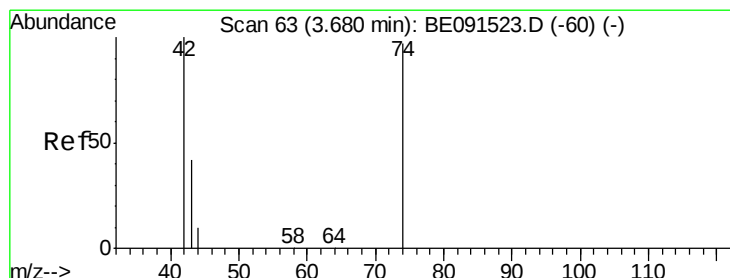
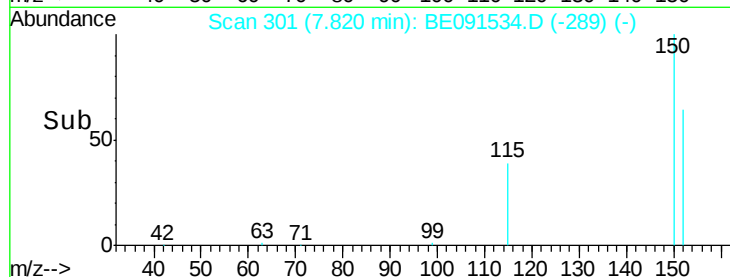
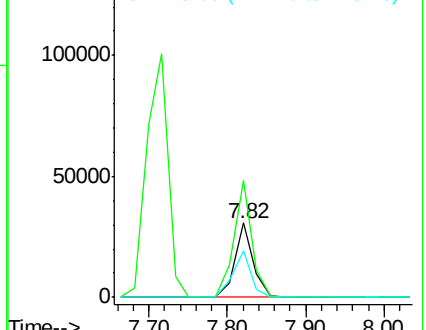
115 61.6 45.9 68.9



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



#3

n-Nitrosodimethylamine

Concen: 147.86 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.03 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

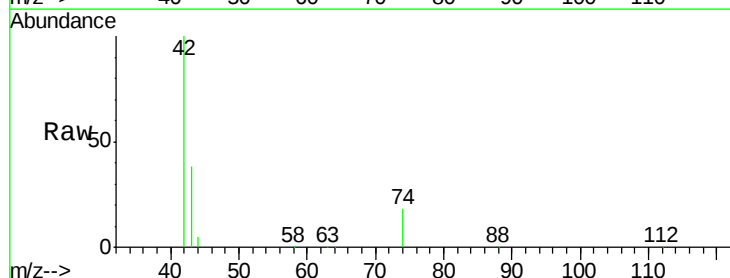
Tgt Ion: 42 Resp: 1078098

Ion Ratio Lower Upper

42 100

74 99.7 84.3 126.5

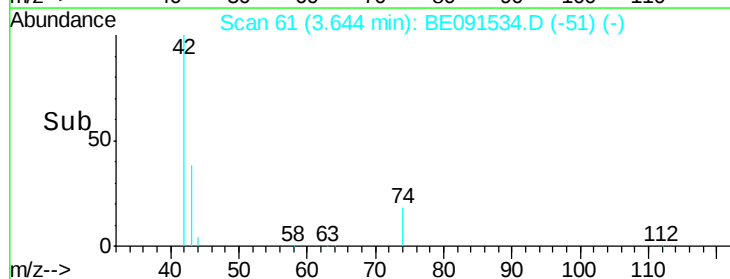
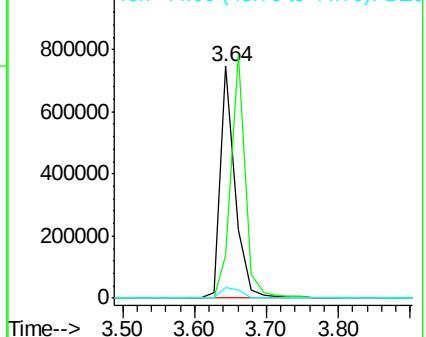
44 5.9 6.7 10.1#

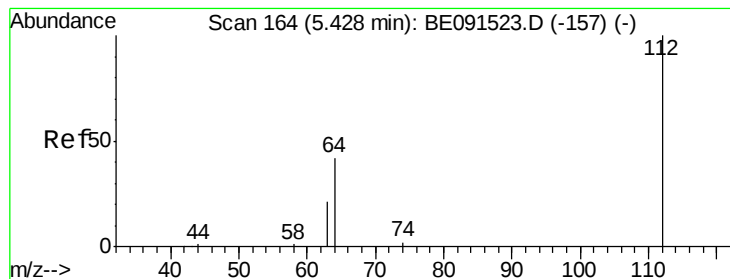


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 149.83 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.02 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

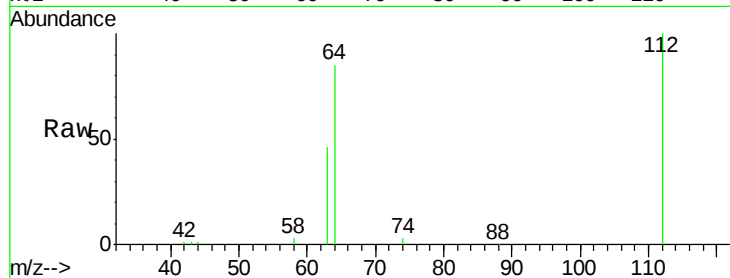
Tgt Ion: 112 Resp: 1430176

Ion Ratio Lower Upper

112 100

64 72.1 53.3 79.9

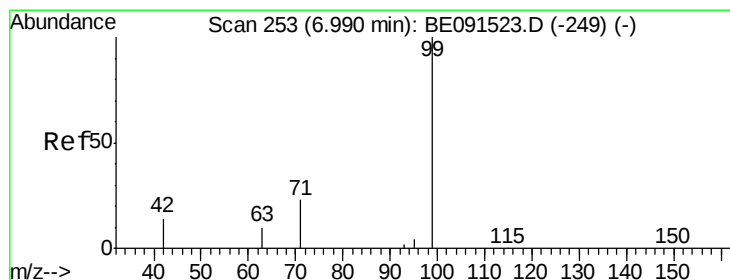
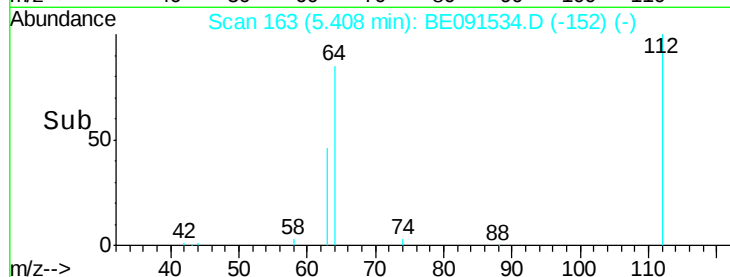
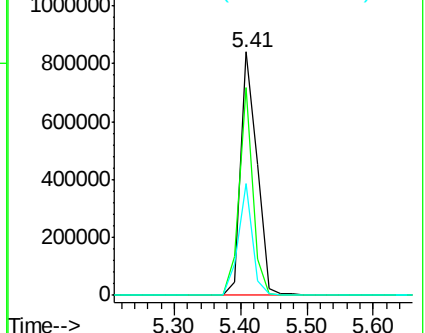
63 40.0 29.8 44.8



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 164.98 ng

RT: 6.99 min Scan# 253

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

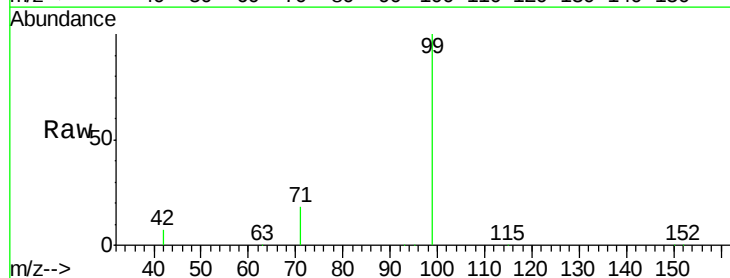
Tgt Ion: 99 Resp: 2148572

Ion Ratio Lower Upper

99 100

42 27.5 20.6 30.8

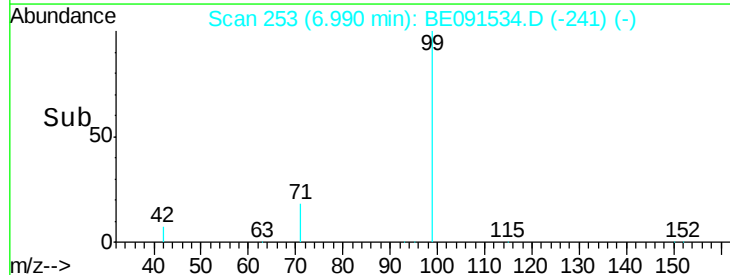
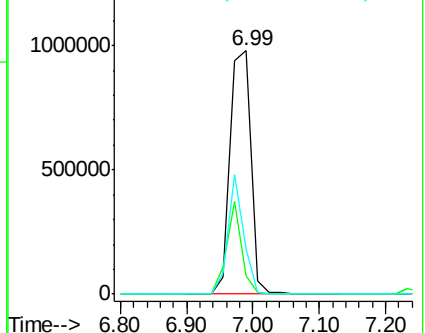
71 37.0 29.0 43.4

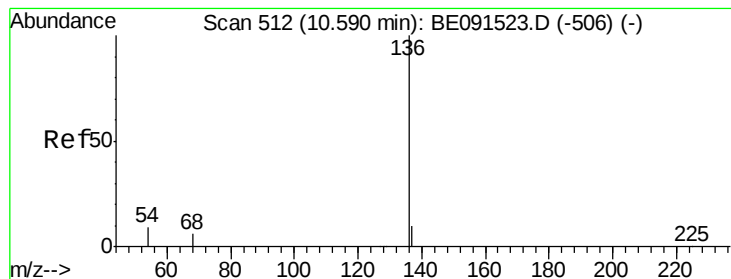


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

Tgt Ion:136 Resp: 214287

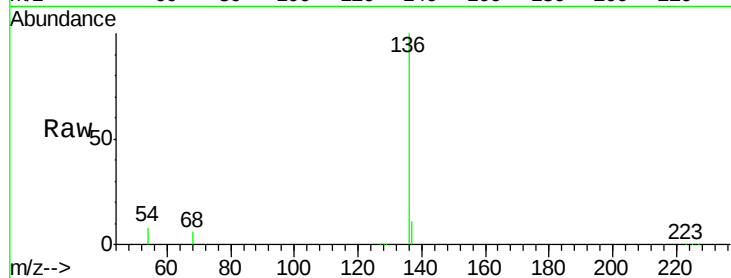
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 8.4 5.2 7.8#

68 5.9 4.1 6.1

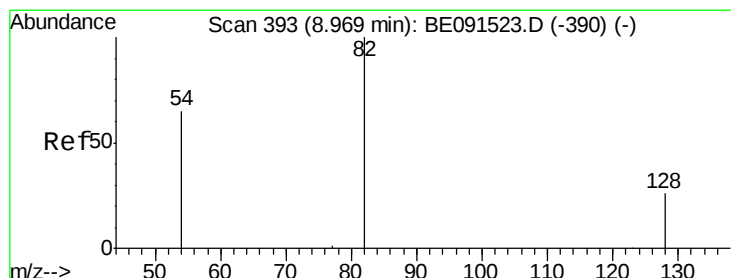
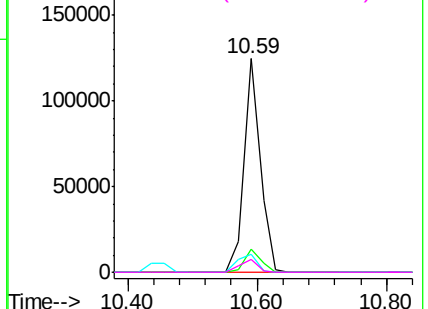
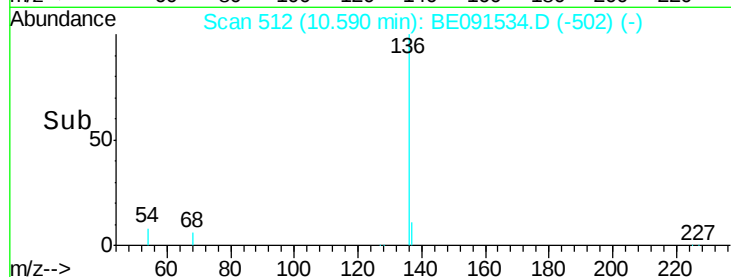


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 128.40 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

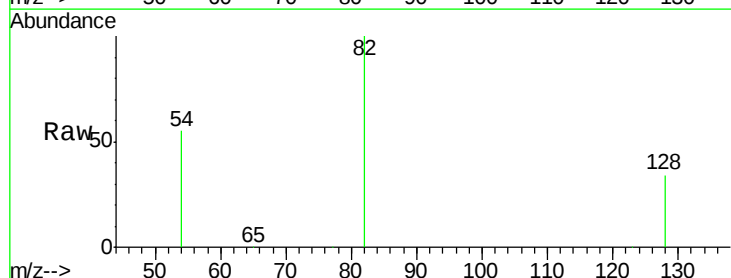
Tgt Ion: 82 Resp: 1195566

Ion Ratio Lower Upper

82 100

128 34.5 23.5 35.3

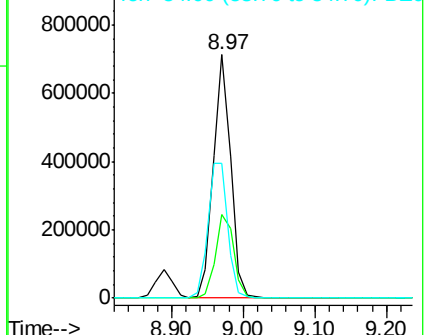
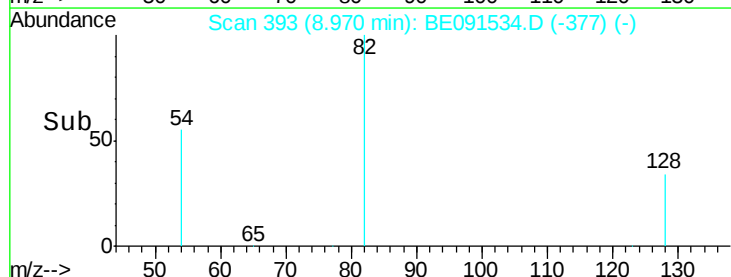
54 55.2 52.4 78.6

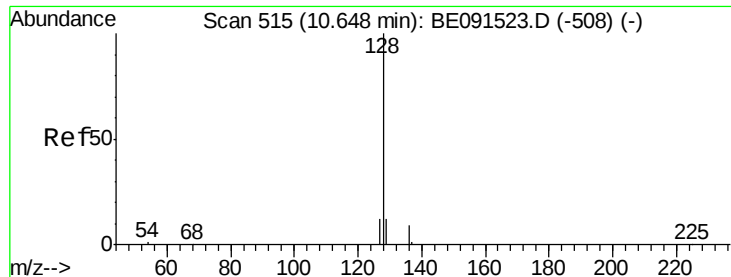


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Naphthalene

Concen: 21.49 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

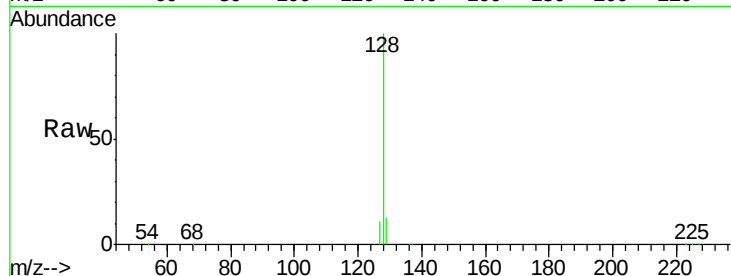
Tgt Ion:128 Resp: 928055

Ion Ratio Lower Upper

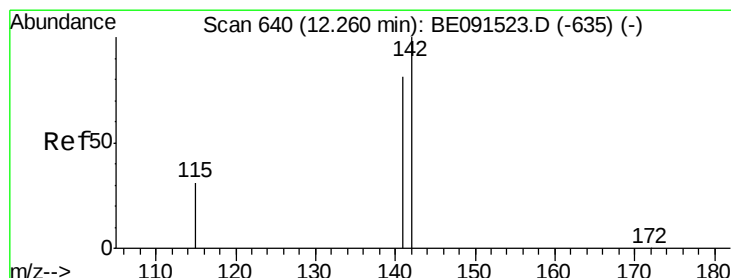
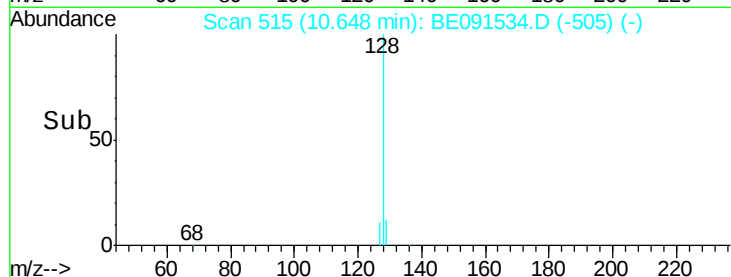
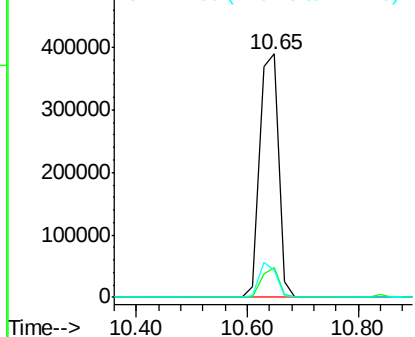
128 100

129 12.5 8.2 12.2#

127 11.3 11.8 17.8#



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



#9

2-Methylnaphthalene

Concen: 61.50 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

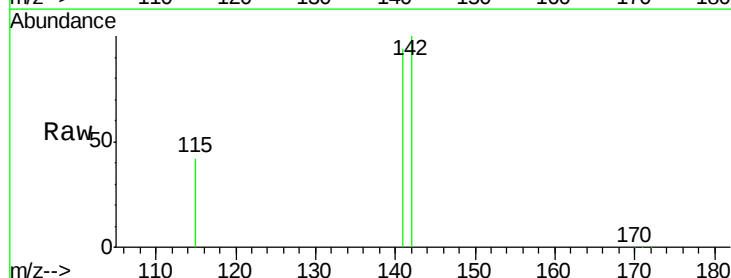
Tgt Ion:142 Resp: 1659101

Ion Ratio Lower Upper

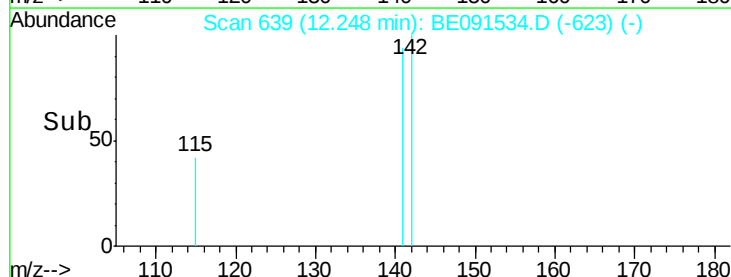
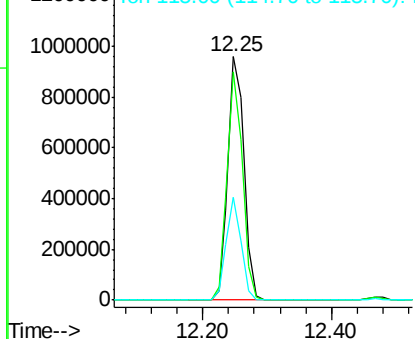
142 100

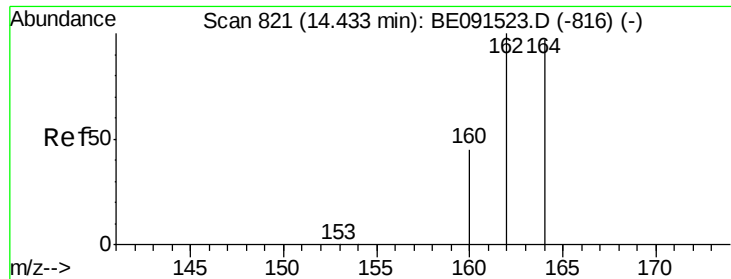
141 93.9 66.9 100.3

115 42.1 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





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.43 min Scan# 821

Delta R.T. -0.01 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

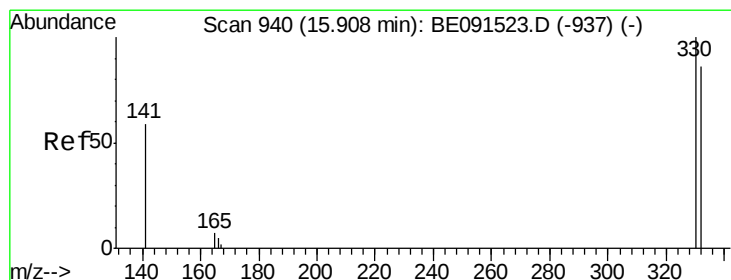
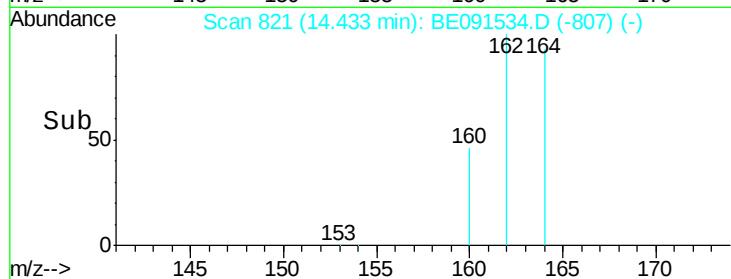
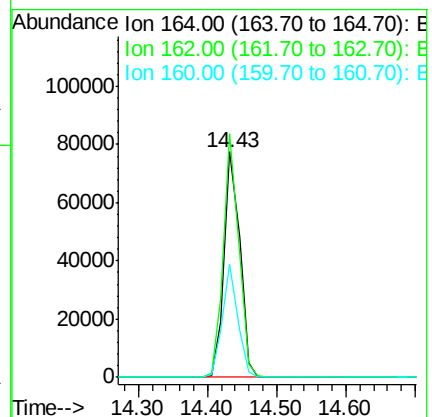
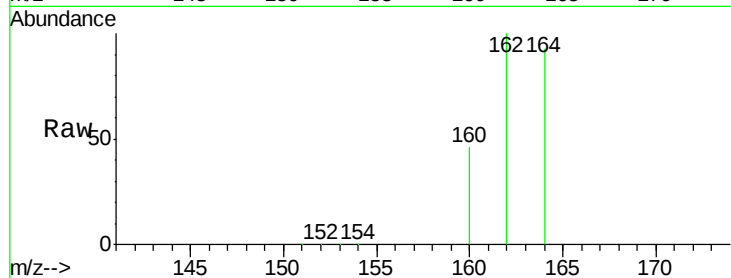
Tgt Ion:164 Resp: 121955

Ion Ratio Lower Upper

164 100

162 108.0 84.4 126.6

160 50.1 37.7 56.5



#11

2,4,6-Tribromophenol

Concen: 259.14 ng

RT: 15.92 min Scan# 941

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

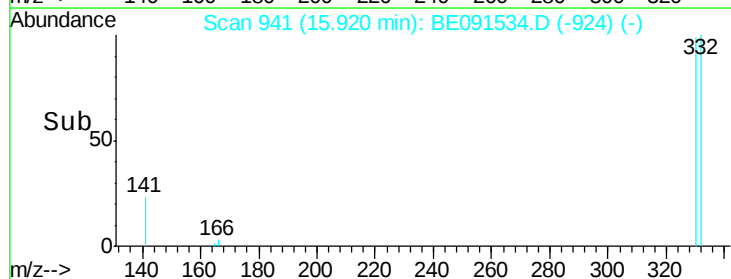
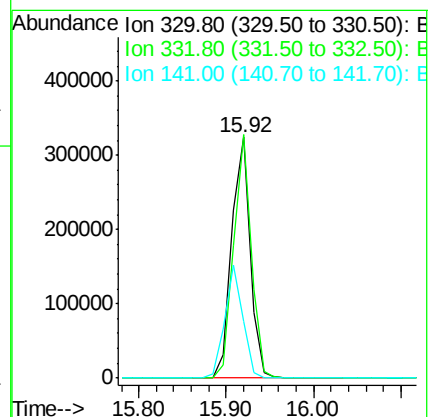
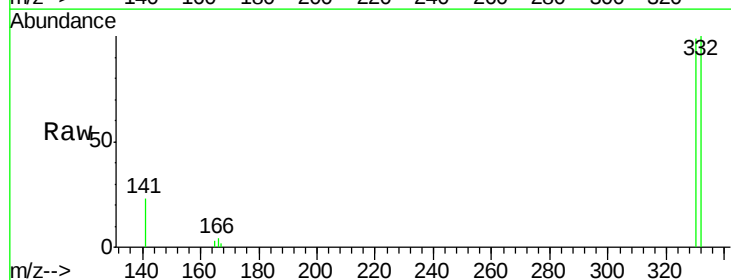
Tgt Ion:330 Resp: 537557

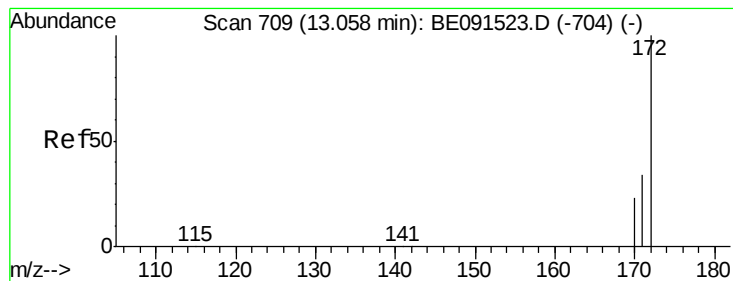
Ion Ratio Lower Upper

330 100

332 95.7 79.2 118.8

141 40.1 28.1 42.1

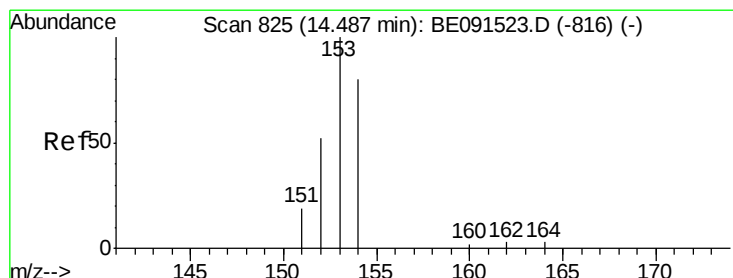
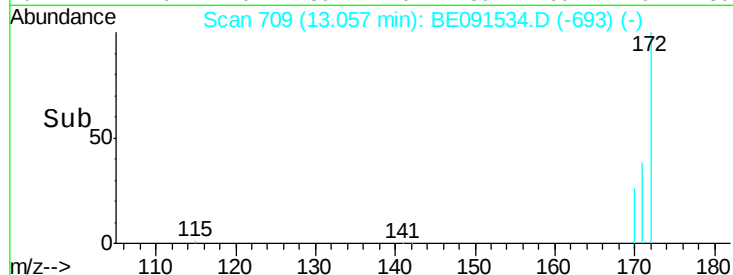
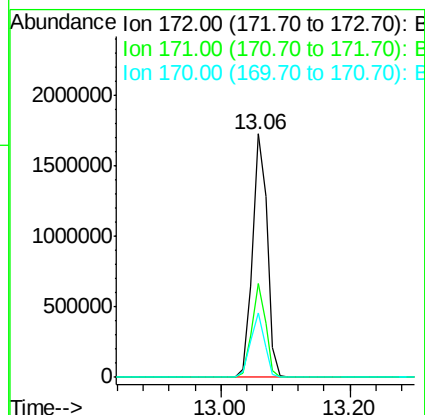
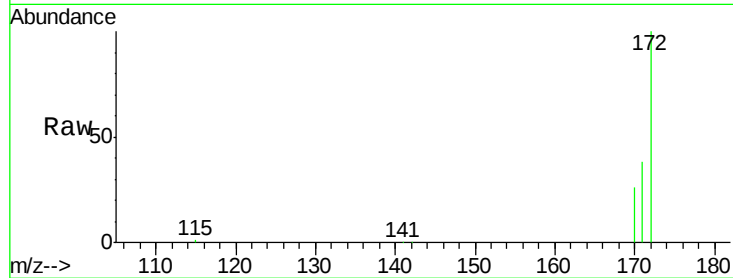




#12
2-Fluorobiphenyl
Concen: 79.89 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091534.D
Acq: 28 Mar 2016 11:38

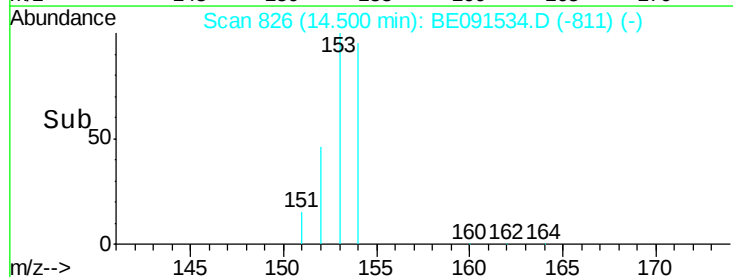
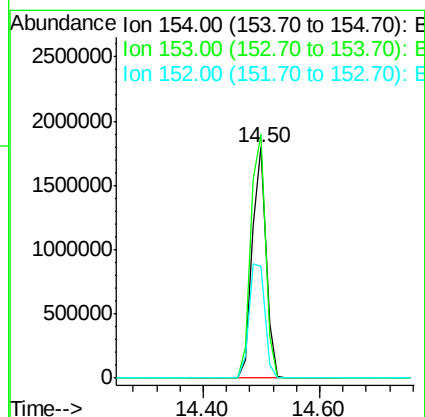
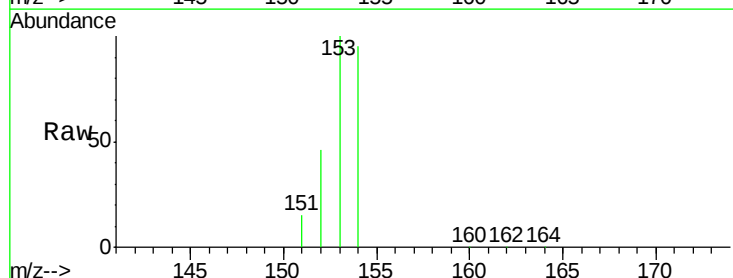
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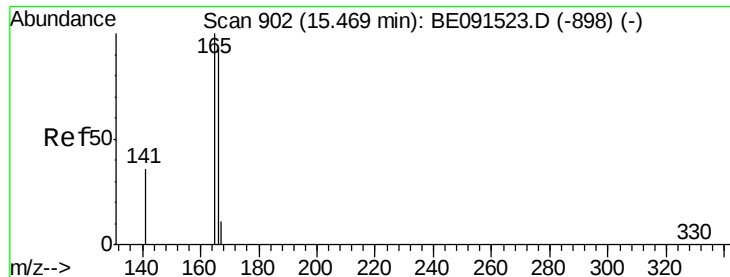
Tgt Ion:172 Resp: 2744278
Ion Ratio Lower Upper
172 100
171 38.4 29.8 44.8
170 26.4 21.4 32.2



#14
Acenaphthene
Concen: 95.36 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE091534.D
Acq: 28 Mar 2016 11:38

Tgt Ion:154 Resp: 2877789
Ion Ratio Lower Upper
154 100
153 113.2 87.3 130.9
152 57.5 42.9 64.3





#15

Fluorene

Concen: 93.93 ng

RT: 15.48 min Scan# 903

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

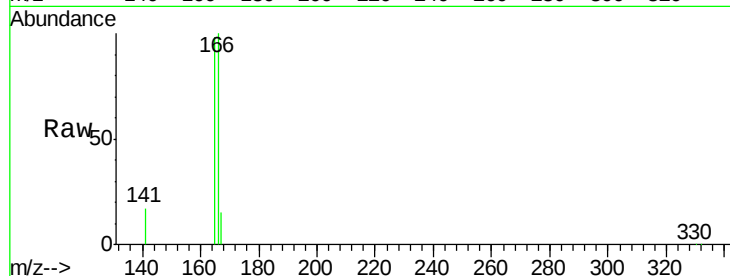
Tgt Ion:166 Resp: 3462136

Ion Ratio Lower Upper

166 100

165 98.8 79.2 118.8

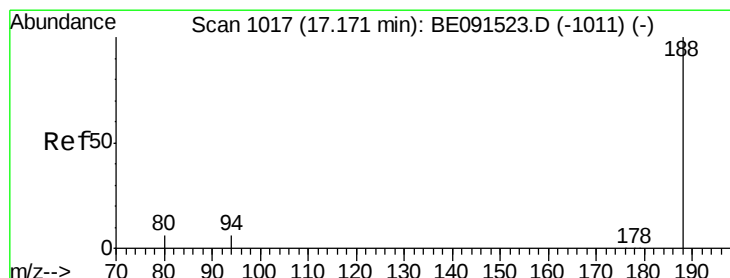
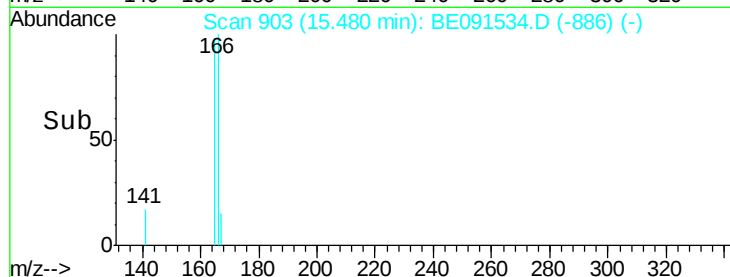
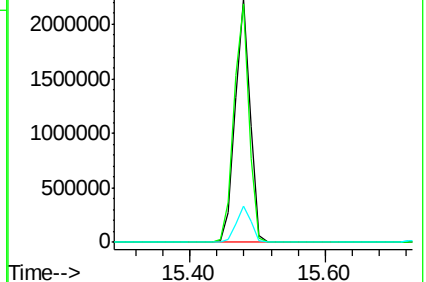
167 14.7 10.8 16.2



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



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.17 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

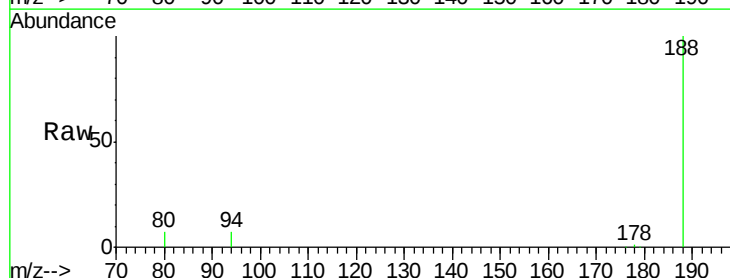
Tgt Ion:188 Resp: 281414

Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.2

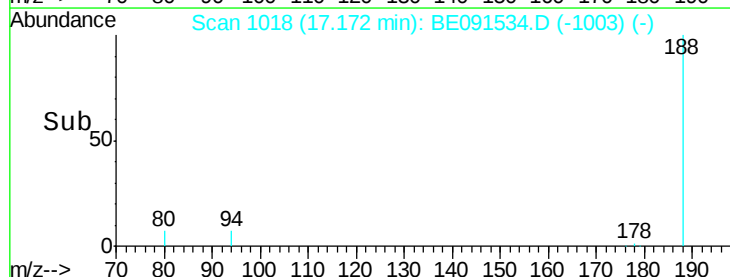
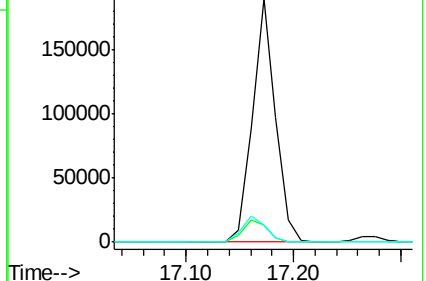
80 6.9 5.0 7.4

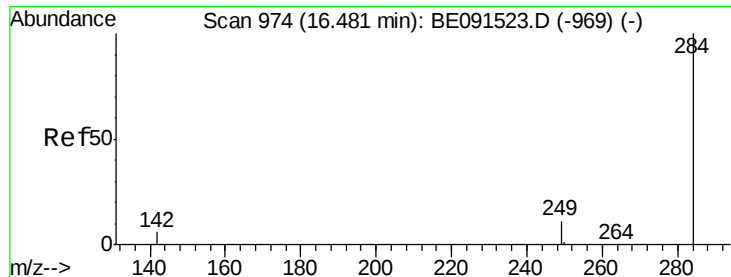


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

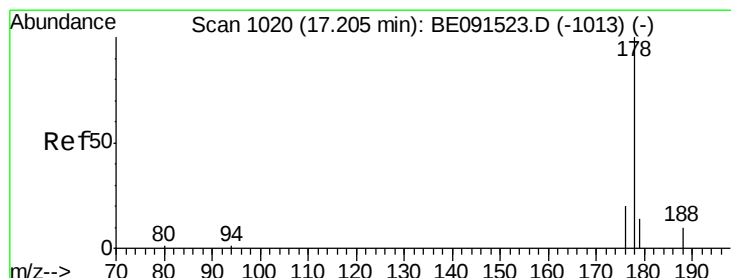
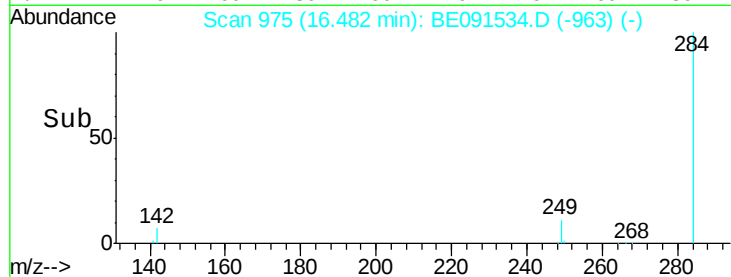
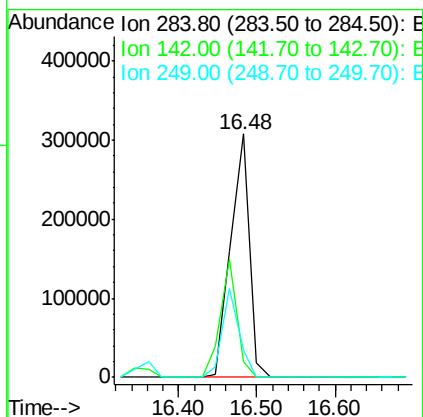
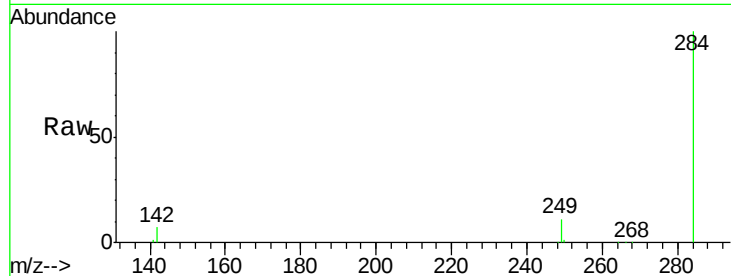




#17
Hexachlorobenzene
Concen: 51.36 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091534.D
Acq: 28 Mar 2016 11:38

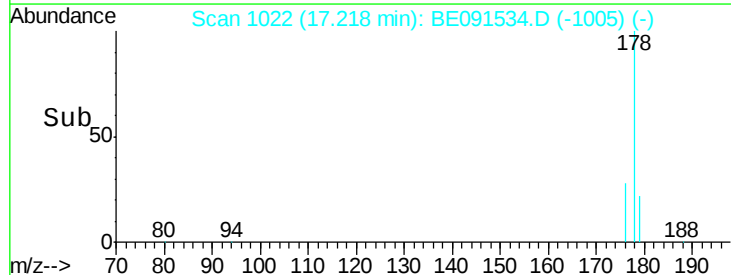
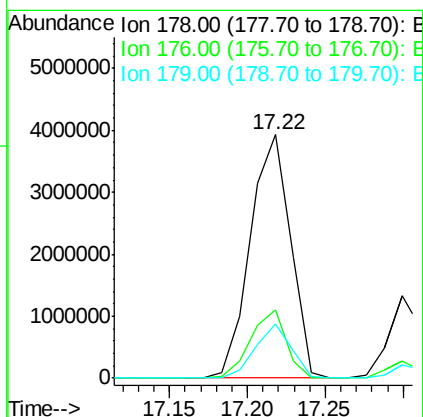
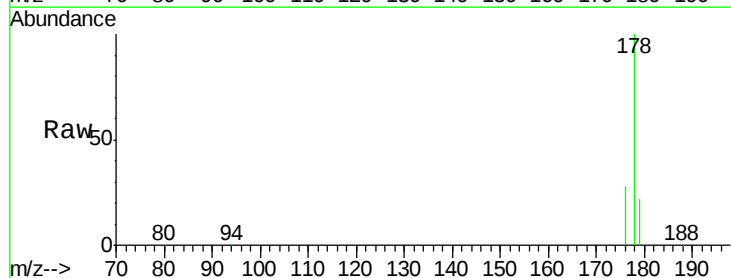
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

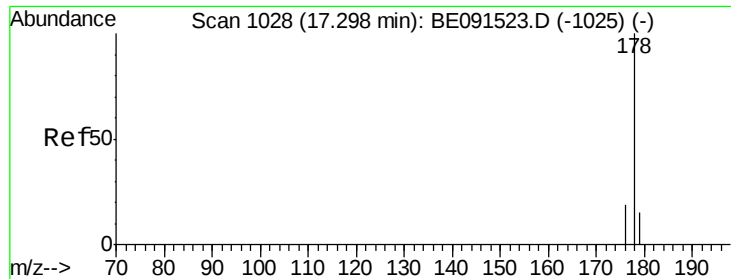
Tgt Ion: 284 Resp: 507365
Ion Ratio Lower Upper
284 100
142 42.8 31.0 46.4
249 32.6 25.8 38.8



#19
Phenanthrene
Concen: 110.05 ng m
RT: 17.22 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BE091534.D
Acq: 28 Mar 2016 11:38

Tgt Ion: 178 Resp: 7093393
Ion Ratio Lower Upper
178 100
176 5.4 15.5 23.3#
179 4.4 13.1 19.7#





#20

Anthracene

Concen: 36.99 ng

RT: 17.30 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

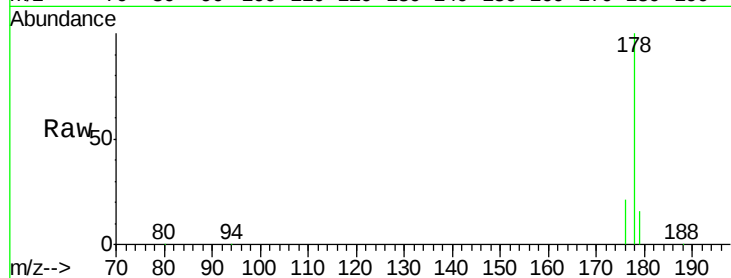
Tgt Ion:178 Resp: 1974107

Ion Ratio Lower Upper

178 100

176 19.8 14.9 22.3

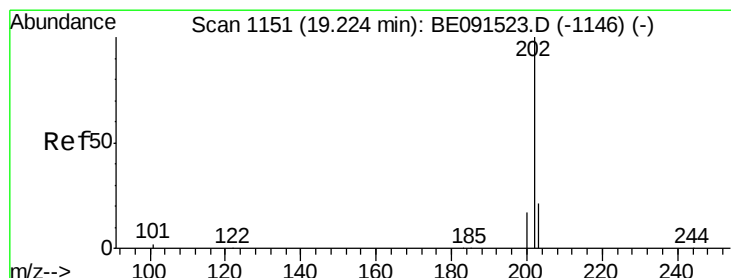
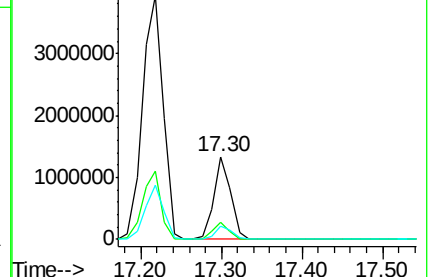
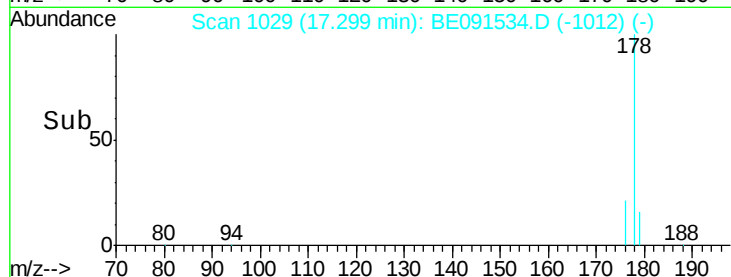
179 16.1 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#21

Fluoranthene

Concen: 83.21 ng

RT: 19.22 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

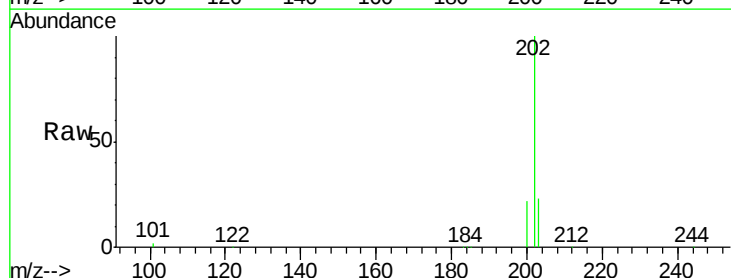
Tgt Ion:202 Resp: 5016434

Ion Ratio Lower Upper

202 100

101 13.5 8.3 12.5#

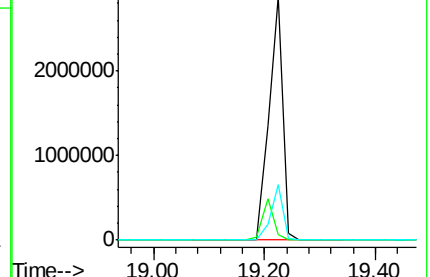
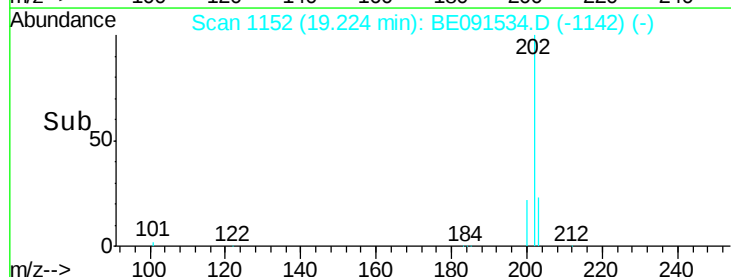
203 20.0 13.9 20.9

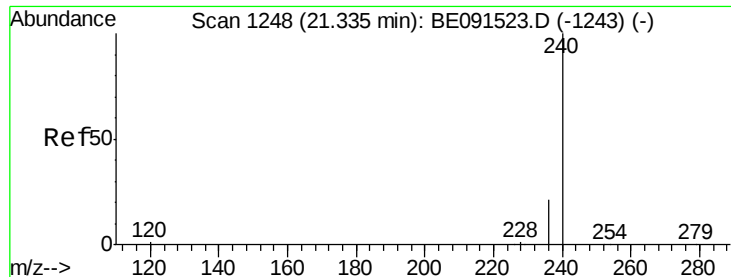


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

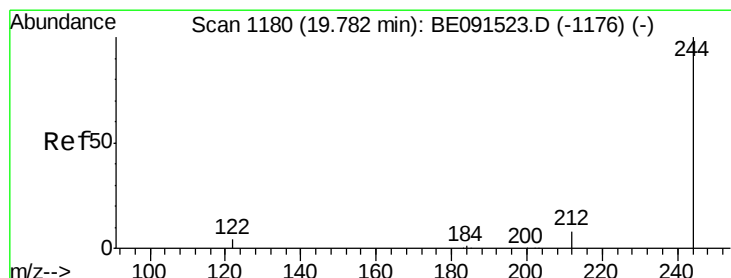
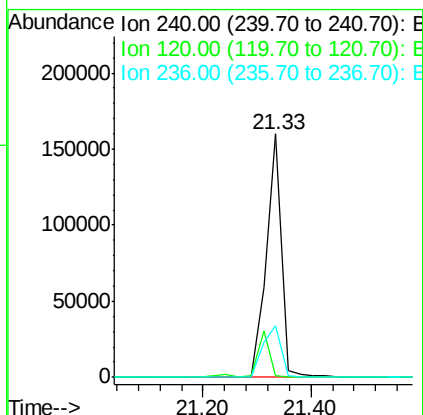
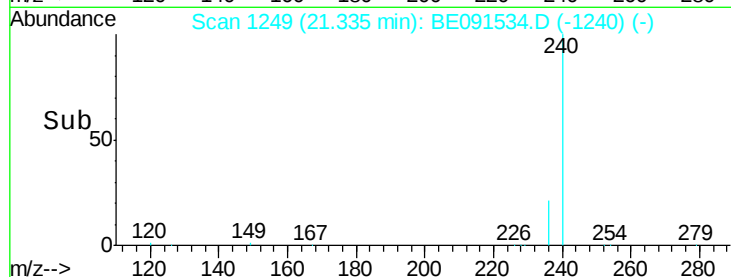
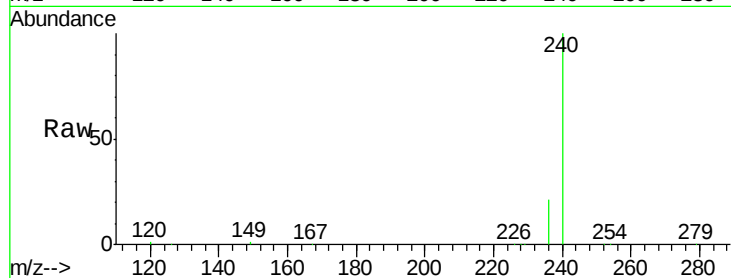




#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.33 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091534.D
 Acq: 28 Mar 2016 11:38

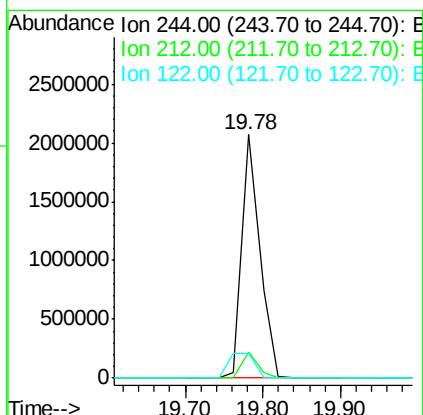
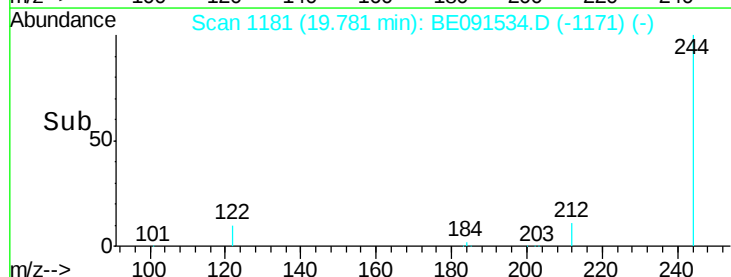
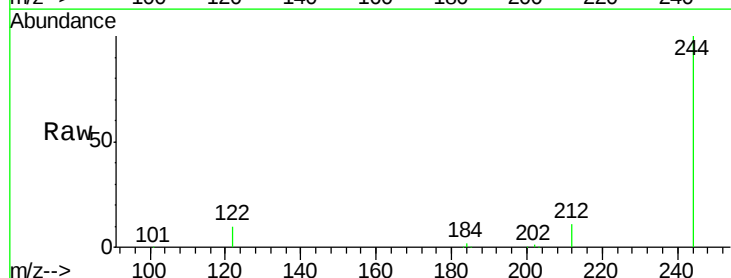
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

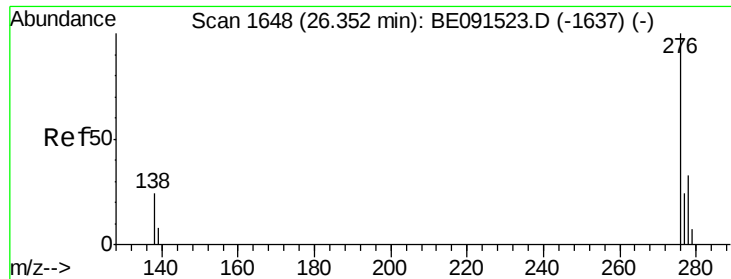
Tgt Ion:240 Resp: 314560
 Ion Ratio Lower Upper
 240 100
 120 0.9 4.0 6.0#
 236 21.2 23.0 34.4#



#24
 Terphenyl-d14
 Concen: 64.52 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BE091534.D
 Acq: 28 Mar 2016 11:38

Tgt Ion:244 Resp: 3337096
 Ion Ratio Lower Upper
 244 100
 212 10.7 5.8 8.8#
 122 10.2 1.8 2.8#

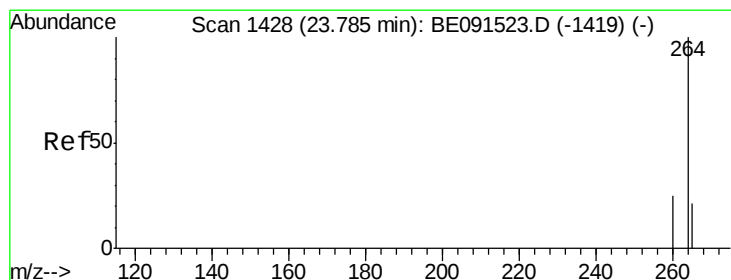
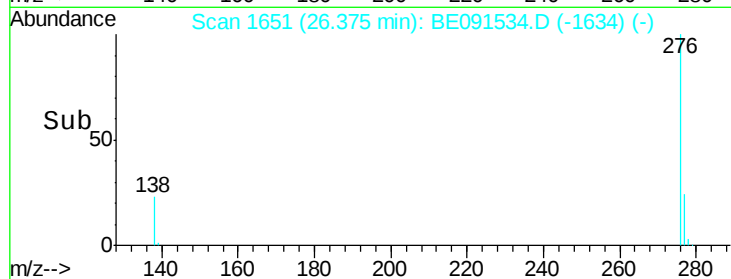
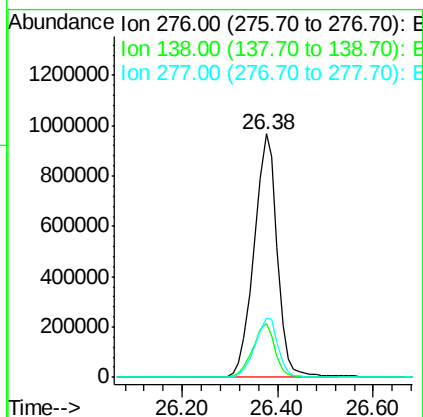
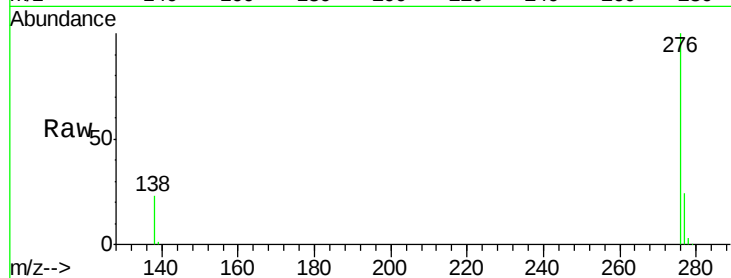




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 43.64 ng
 RT: 26.38 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: BE091534.D
 Acq: 28 Mar 2016 11:38

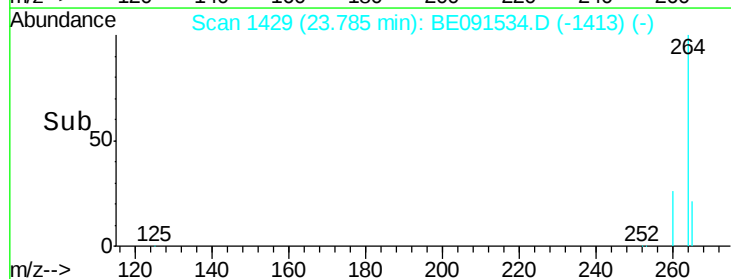
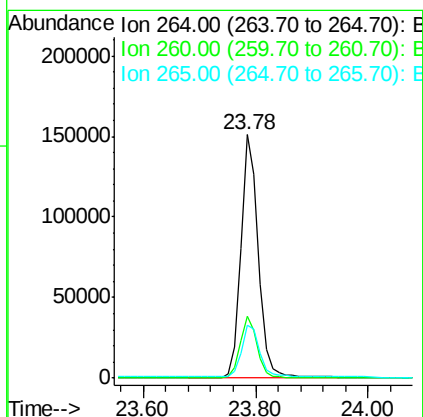
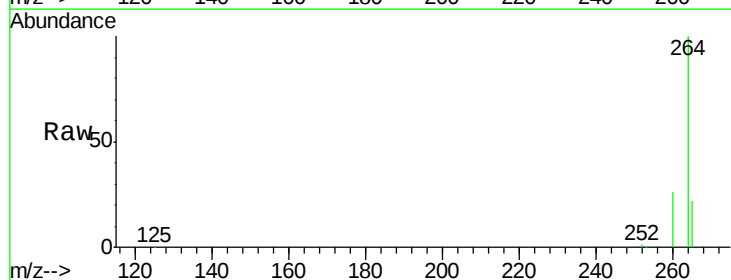
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

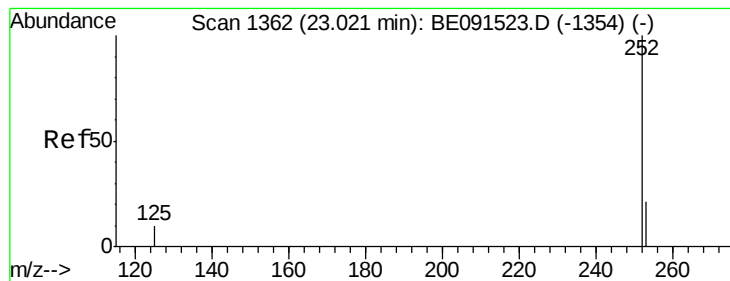
Tgt Ion: 276 Resp: 3236776
 Ion Ratio Lower Upper
 276 100
 138 21.5 20.2 30.4
 277 24.5 19.8 29.8



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091534.D
 Acq: 28 Mar 2016 11:38

Tgt Ion: 264 Resp: 329353
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.1 30.1
 265 21.5 18.3 27.5





#29

Benzo(b)fluoranthene

Concen: 111.73 ng

RT: 23.06 min Scan# 1366

Delta R.T. 0.02 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

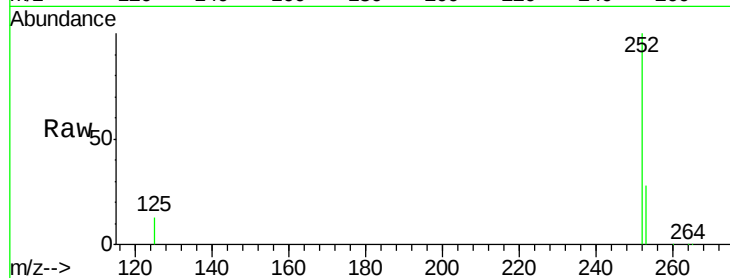
Tgt Ion:252 Resp: 8174369

Ion Ratio Lower Upper

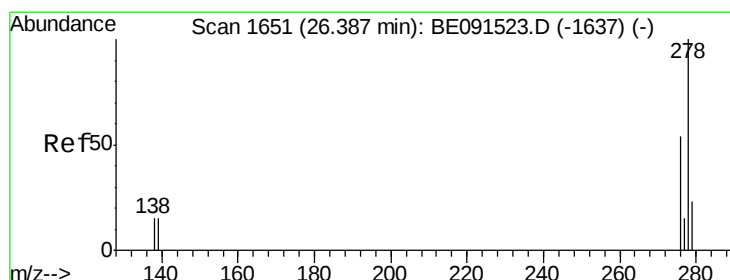
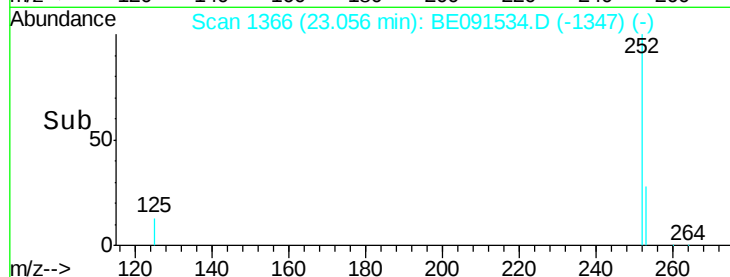
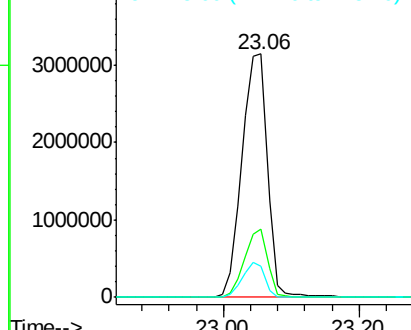
252 100

253 27.9 18.7 28.1

125 12.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#32

Dibenzo(a,h)anthracene

Concen: 1.43 ng

RT: 26.39 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BE091534.D

Acq: 28 Mar 2016 11:38

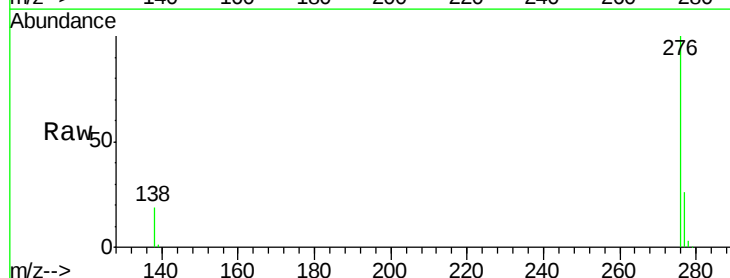
Tgt Ion:278 Resp: 93016

Ion Ratio Lower Upper

278 100

139 18.5 14.2 21.4

279 7.9 19.6 29.4#



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

