

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
 Data File : BE091626.D
 Acq On : 11 Apr 2016 13:46
 Operator : UM/SJ
 Sample : PB89606BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

Quant Time: Apr 12 01:45:55 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	42545	5.00	ng	-0.02
7) Naphthalene-d8	10.59	136	211354	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	128091	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	306347	5.00	ng	0.00
26) Chrysene-d12	21.31	240	408357	5.00	ng	0.00
35) Perylene-d12	23.76	264	333452	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	60603	5.97	ng	0.00
5) Phenol-d6	6.97	99	89345	6.60	ng	0.00
8) Nitrobenzene-d5	8.96	82	39238	3.20	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	33531	7.18	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	125087	3.51	ng	0.00
29) Terphenyl-d14	19.76	244	196691	3.86	ng	0.00

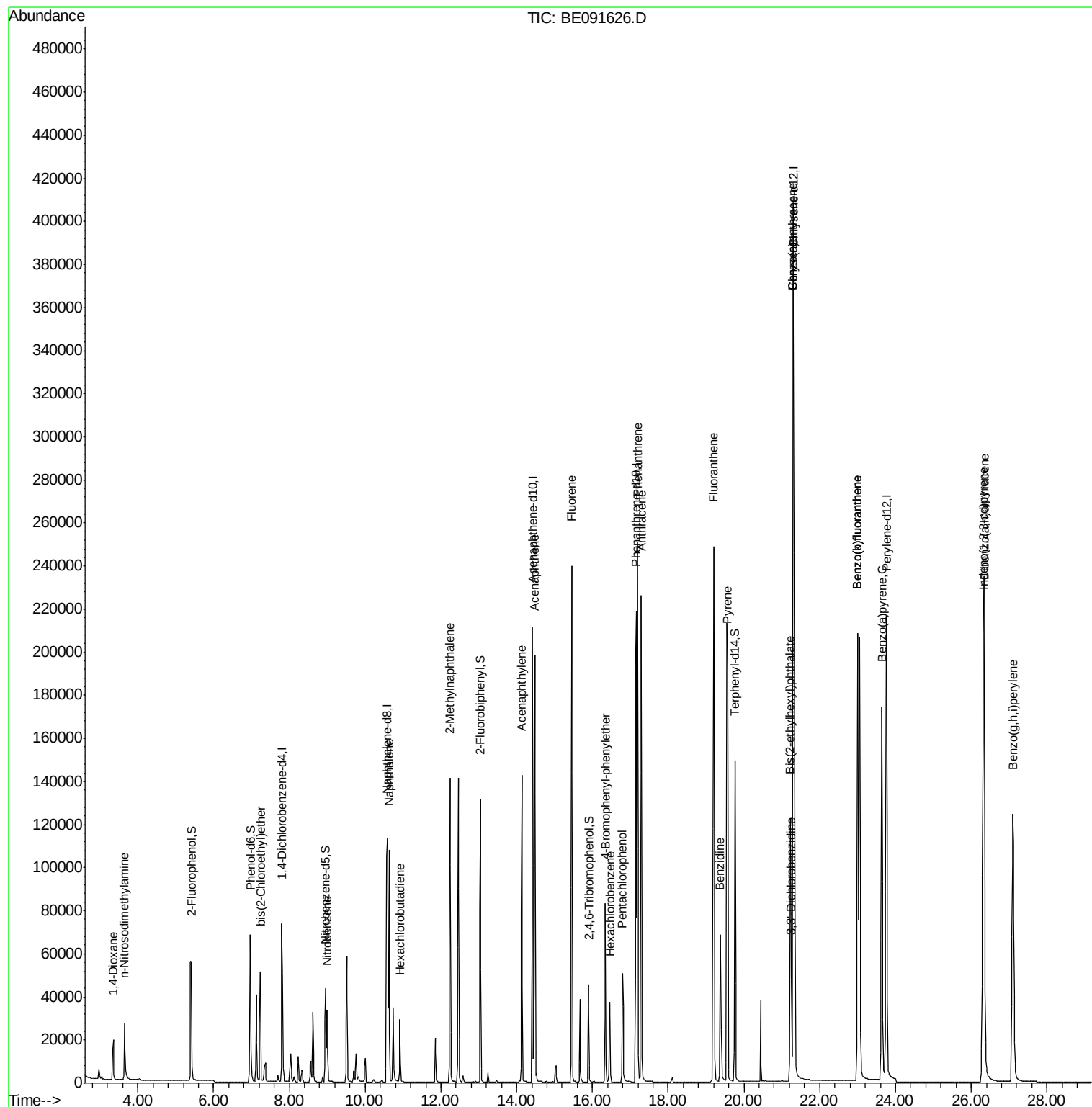
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	15423	3.28	ng	# 95
3) n-Nitrosodimethylamine	3.64	42	22624	3.47	ng	# 90
6) bis(2-Chloroethyl)ether	7.23	93	40968	3.49	ng	# 76
9) Nitrobenzene	8.99	77	43390	2.89	ng	94
10) Naphthalene	10.63	128	145543	3.34	ng	98
11) Hexachlorobutadiene	10.92	225	22851	3.57	ng	98
12) 2-Methylnaphthalene	12.24	142	105174	3.78	ng	96
16) Acenaphthylene	14.14	152	182426	3.67	ng	# 88
17) Acenaphthene	14.47	154	115352	3.67	ng	94
18) Fluorene	15.46	166	146701	3.73	ng	98
20) 4-Bromophenyl-phenylether	16.34	248	41656	3.86	ng	94
21) Hexachlorobenzene	16.46	284	43110	3.84	ng	99
22) Pentachlorophenol	16.79	266	42169	7.23	ng	# 87
23) Phenanthrene	17.19	178	266299	3.81	ng	99
24) Anthracene	17.29	178	250784	4.05	ng	98
25) Fluoranthene	19.20	202	293302	3.96	ng	97
27) Benzidine	19.38	184	100280	2.67	ng	# 75
28) Pyrene	19.57	202	313678	3.84	ng	99
30) Benzo(a)anthracene	21.29	228	656767	7.19	ng	99
31) 3,3'-Dichlorobenzidine	21.24	252	56828	0.99	ng	# 72
32) Chrysene	21.29	228	660185	7.96	ng	96
33) Bis(2-ethylhexyl)phthalate	21.22	149	109219	1.84	ng	# 80
34) Indeno(1,2,3-cd)pyrene	26.32	276	338828	3.66	ng	96
36) Benzo(b)fluoranthene	23.00	252	299598	3.87	ng	97
37) Benzo(k)fluoranthene	23.00	252	299598	3.92	ng	96
38) Benzo(a)pyrene	23.65	252	289398	4.02	ng	# 97
39) Dibenzo(a,h)anthracene	26.34	278	287132	4.05	ng	# 95
40) Benzo(g,h,i)perylene	27.10	276	287456	3.94	ng	96

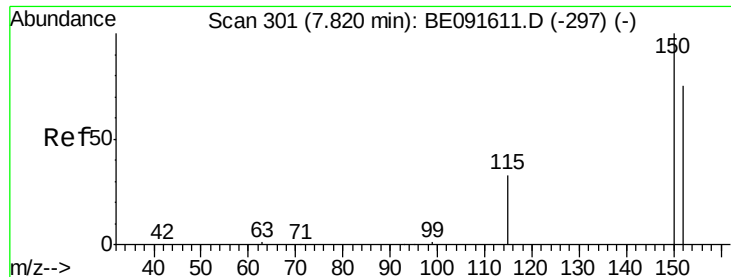
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

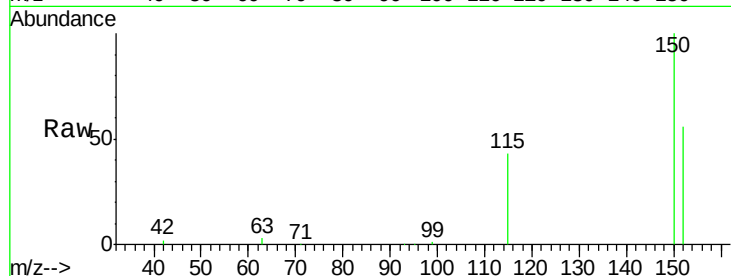
Tgt Ion: 152 Resp: 42545

Ion Ratio Lower Upper

152 100

150 179.3 122.6 183.8

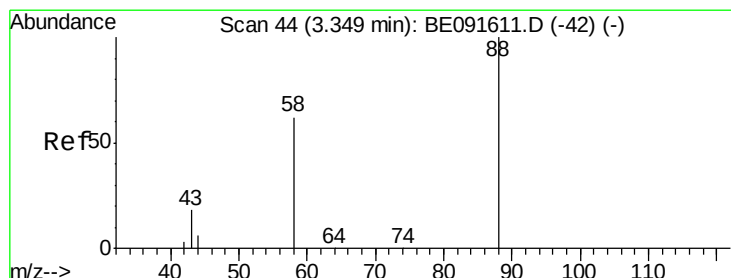
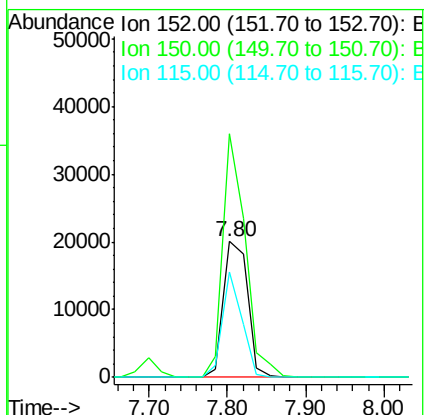
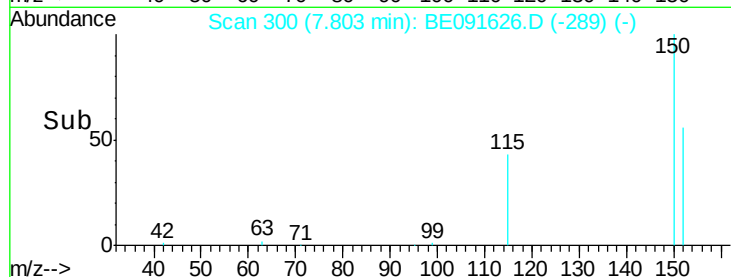
115 77.9 52.8 79.2



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

1,4-Dioxane

Concen: 3.28 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

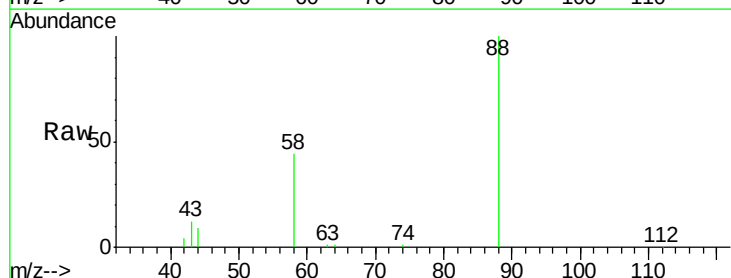
Tgt Ion: 88 Resp: 15423

Ion Ratio Lower Upper

88 100

58 84.5 65.8 98.6

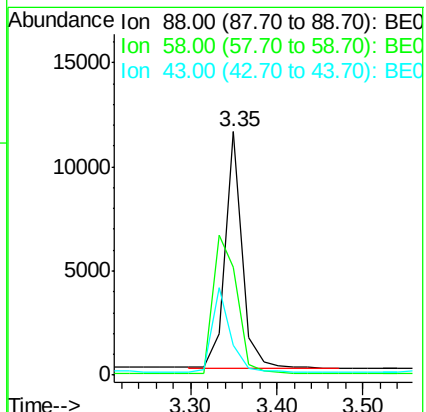
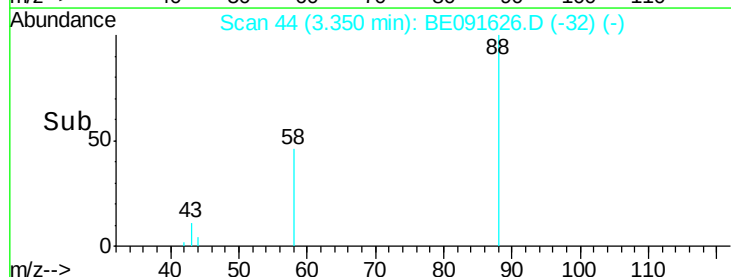
43 38.0 25.3 37.9#

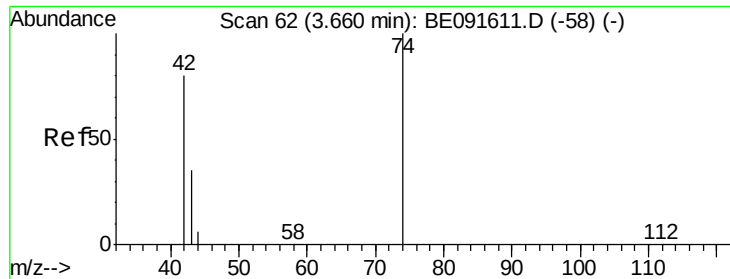


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

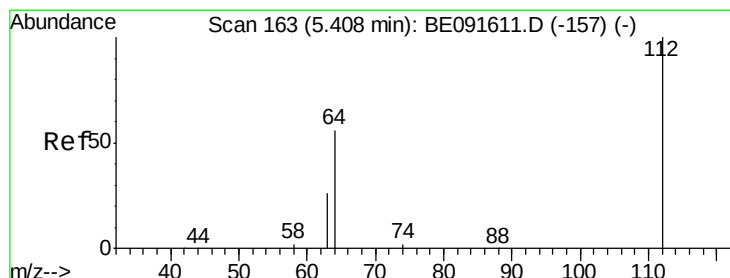
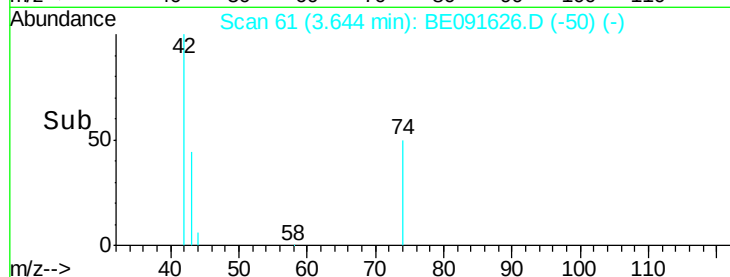
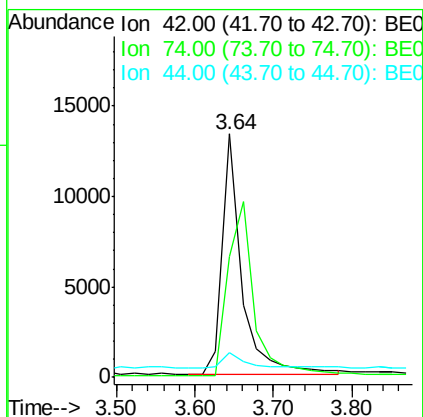
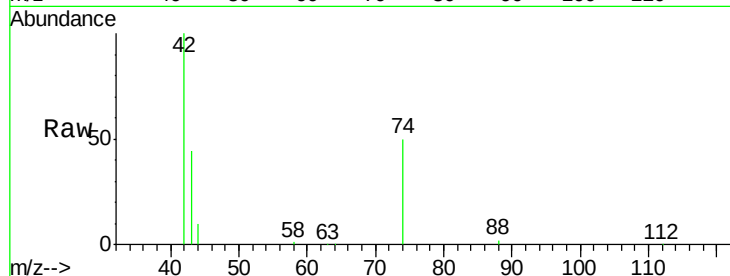




#3
 n-Nitrosodimethylamine
 Concen: 3.47 ng
 RT: 3.64 min Scan# 61
 Delta R.T. -0.02 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

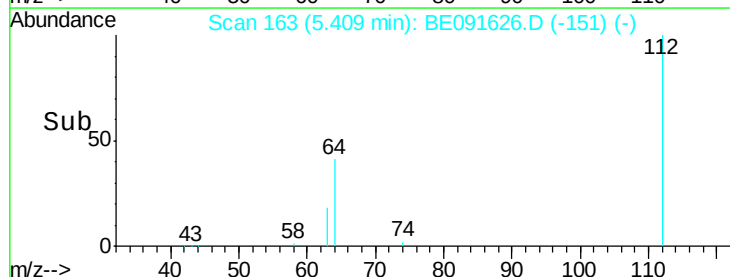
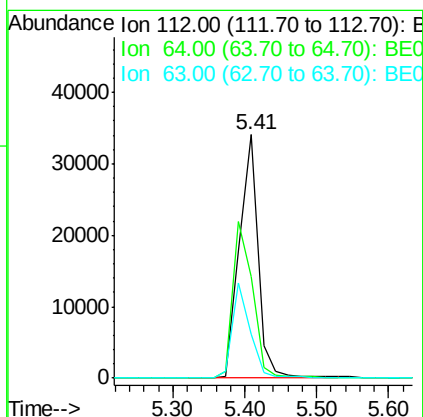
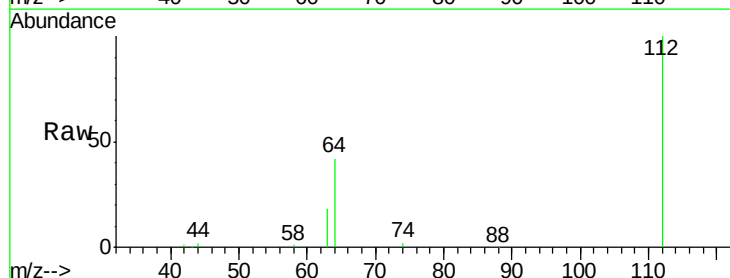
Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

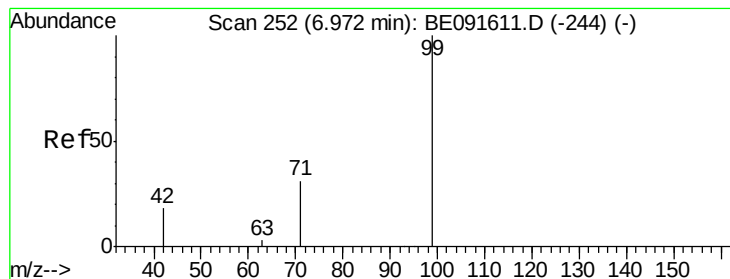
Tgt Ion: 42 Resp: 22624
 Ion Ratio Lower Upper
 42 100
 74 99.0 87.9 131.9
 44 6.6 6.6 9.8#



#4
 2-Fluorophenol
 Concen: 5.97 ng
 RT: 5.41 min Scan# 163
 Delta R.T. 0.00 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

Tgt Ion: 112 Resp: 60603
 Ion Ratio Lower Upper
 112 100
 64 67.6 30.9 46.3#
 63 36.7 16.7 25.1#





#5

Phenol-d6

Concen: 6.60 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

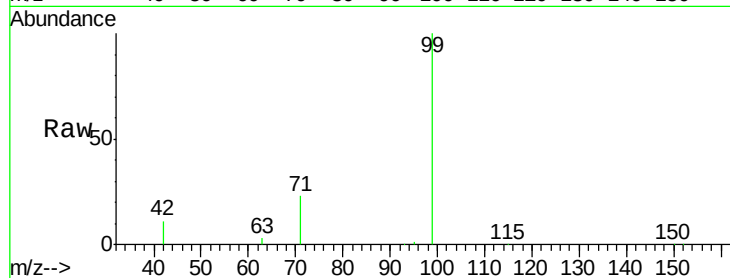
Tgt Ion: 99 Resp: 89345

Ion Ratio Lower Upper

99 100

42 26.5 16.2 24.2#

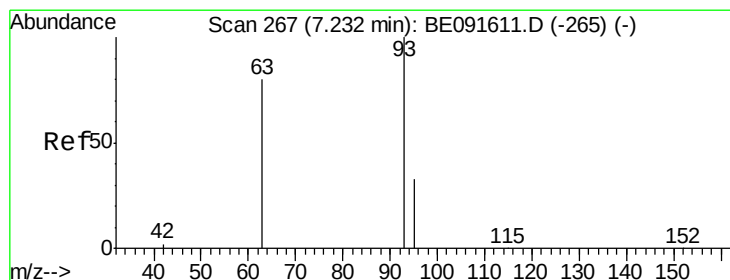
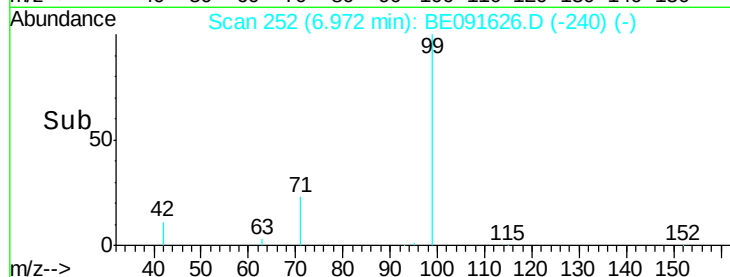
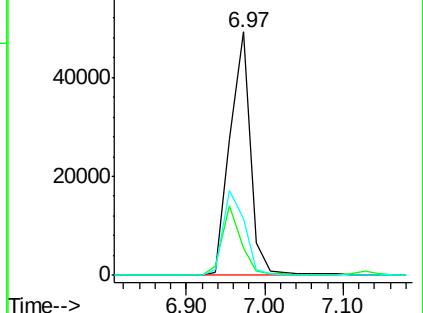
71 36.3 29.0 43.4



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

bis(2-Chloroethyl)ether

Concen: 3.49 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

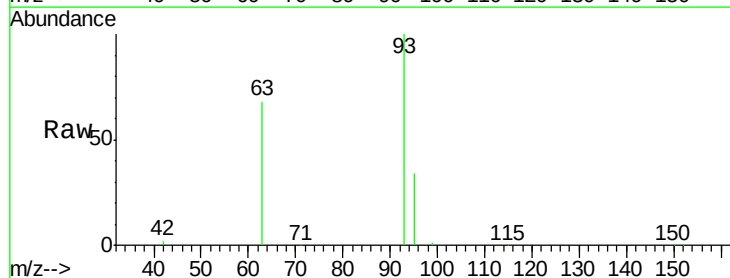
Tgt Ion: 93 Resp: 40968

Ion Ratio Lower Upper

93 100

63 85.3 49.5 74.3#

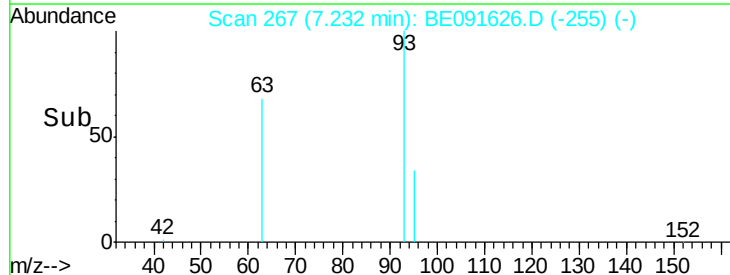
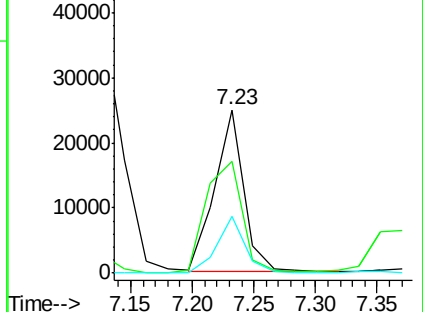
95 32.8 22.2 33.4

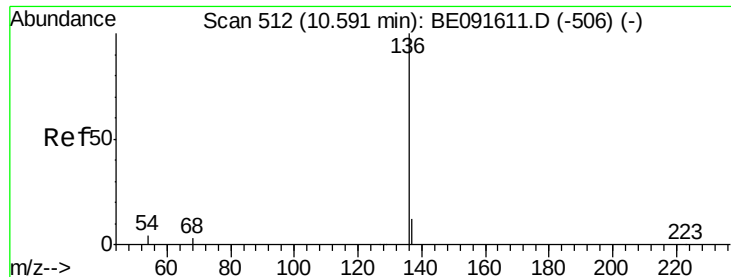


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

Tgt Ion: 136 Resp: 211354

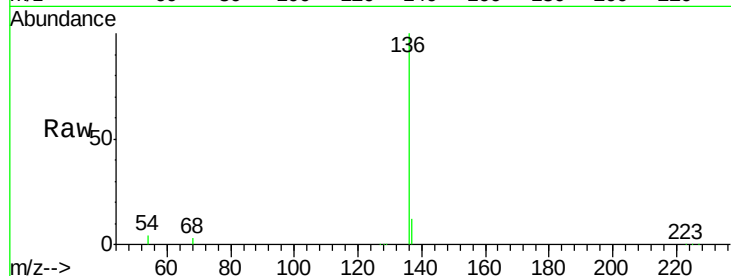
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 3.8 8.2 12.4#

68 3.2 6.2 9.4#

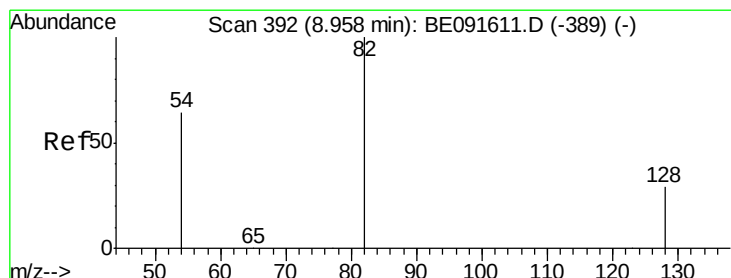
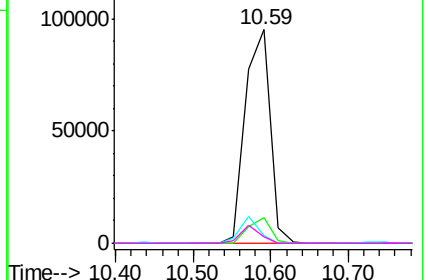
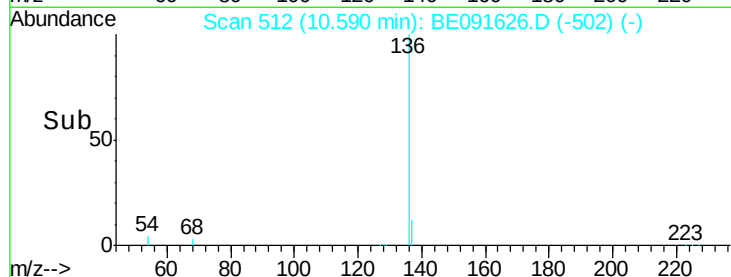


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 3.20 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

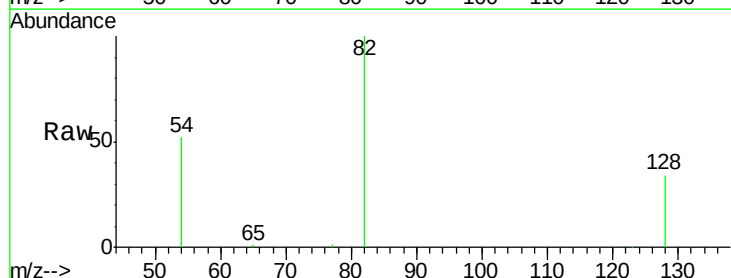
Tgt Ion: 82 Resp: 39238

Ion Ratio Lower Upper

82 100

128 33.6 25.4 38.0

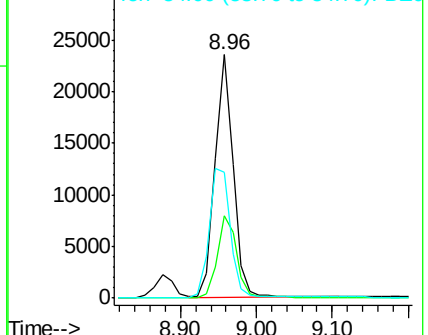
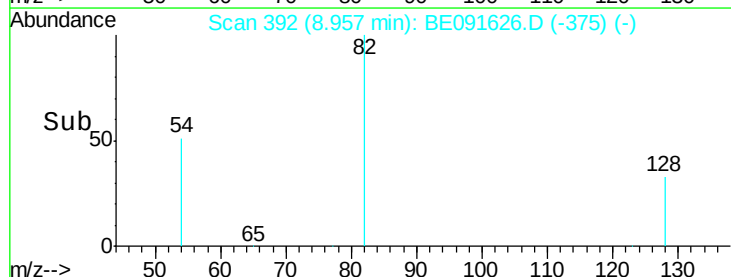
54 51.7 48.4 72.6

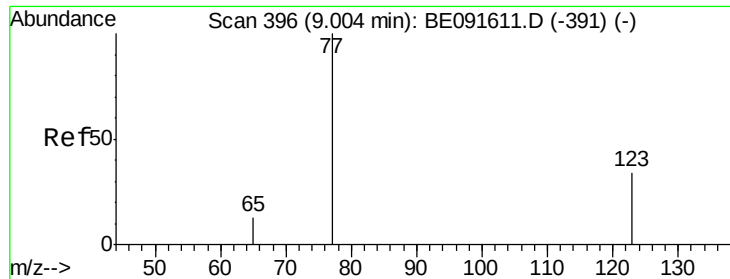


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 2.89 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

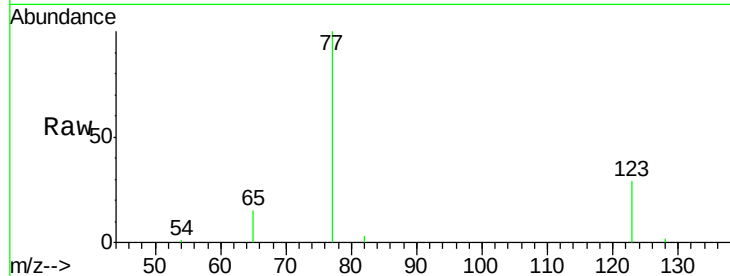
Tgt Ion: 77 Resp: 43390

Ion Ratio Lower Upper

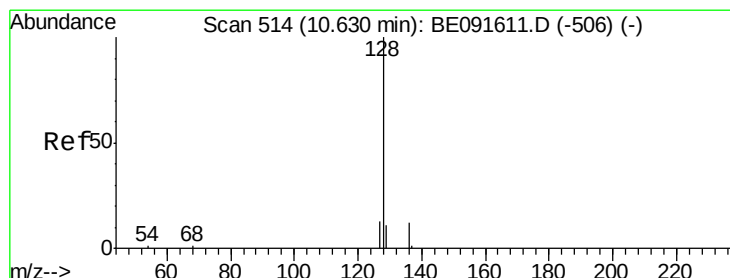
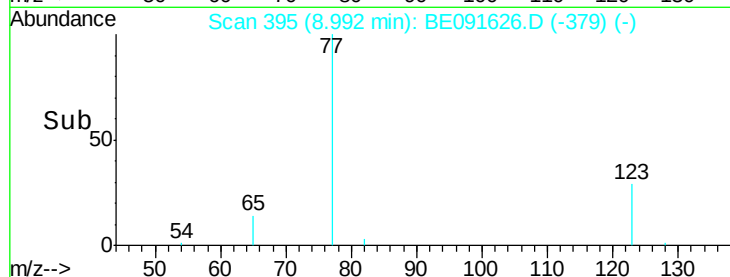
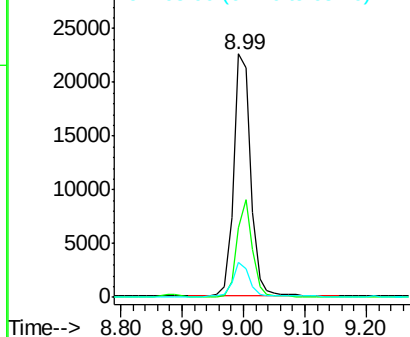
77 100

123 36.9 26.9 40.3

65 13.8 9.4 14.2



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

Naphthalene

Concen: 3.34 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

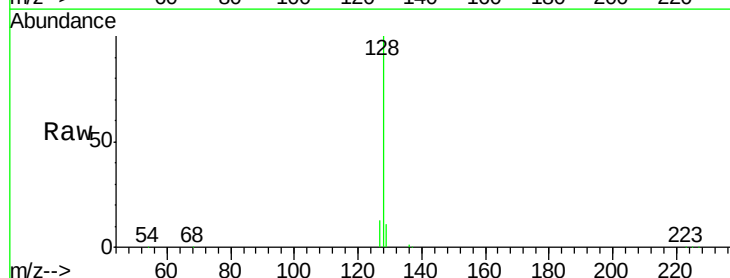
Tgt Ion: 128 Resp: 145543

Ion Ratio Lower Upper

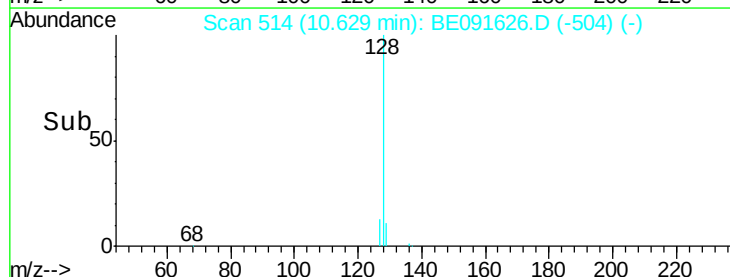
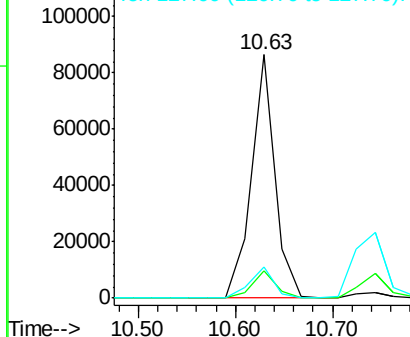
128 100

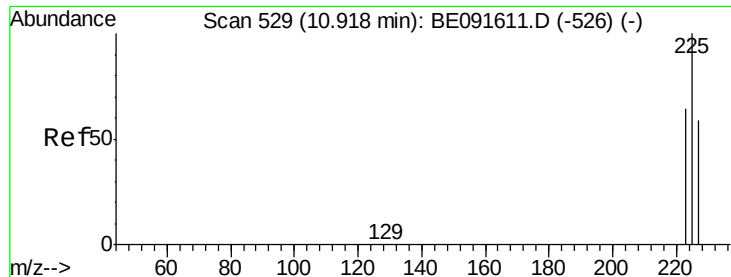
129 11.1 9.3 13.9

127 12.7 10.7 16.1



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

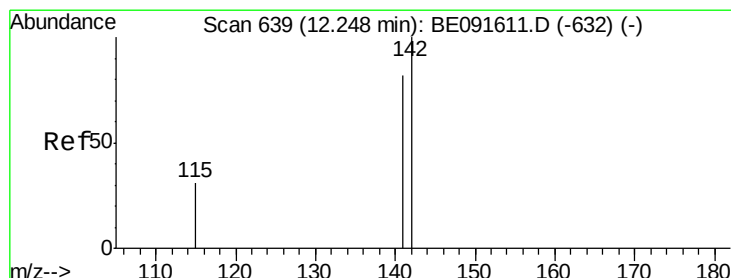
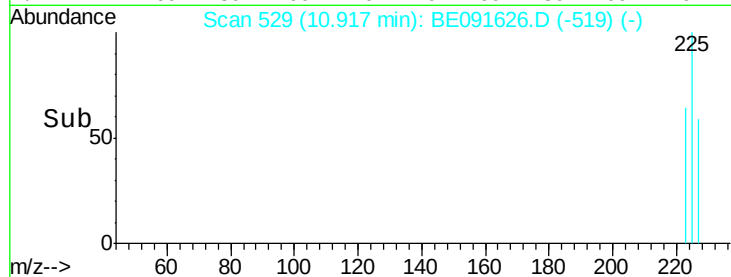
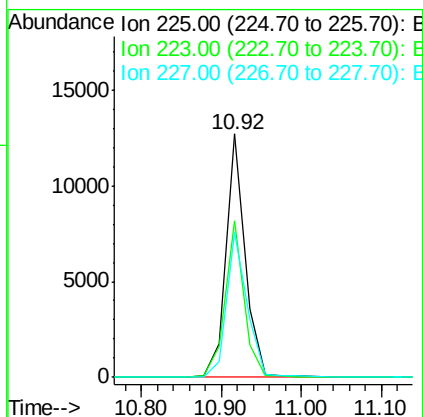
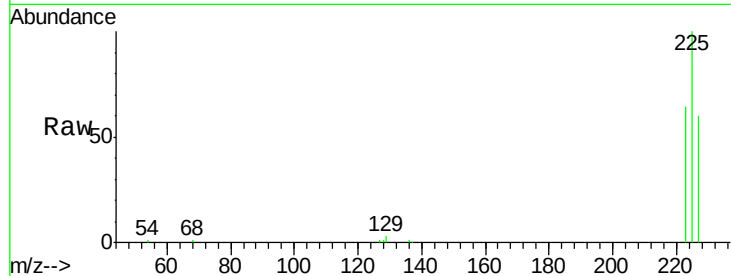




#11
Hexachlorobutadiene
Concen: 3.57 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

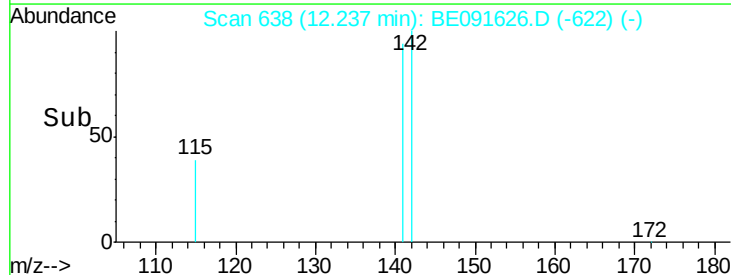
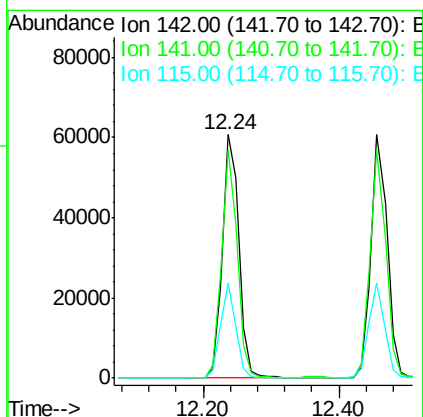
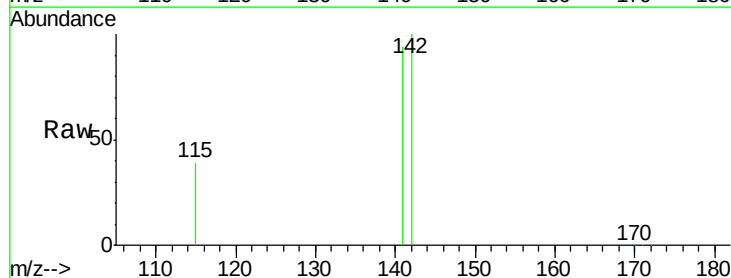
Instrument :
BNA_E
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PB89606BS

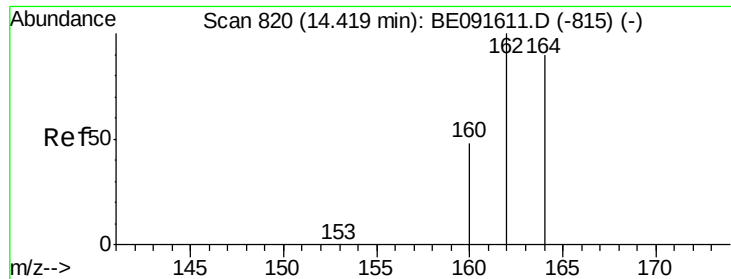
Tgt Ion: 225 Resp: 22851
Ion Ratio Lower Upper
225 100
223 63.5 49.0 73.6
227 63.6 50.3 75.5



#12
2-Methylnaphthalene
Concen: 3.78 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion: 142 Resp: 105174
Ion Ratio Lower Upper
142 100
141 93.5 71.4 107.0
115 39.2 30.3 45.5

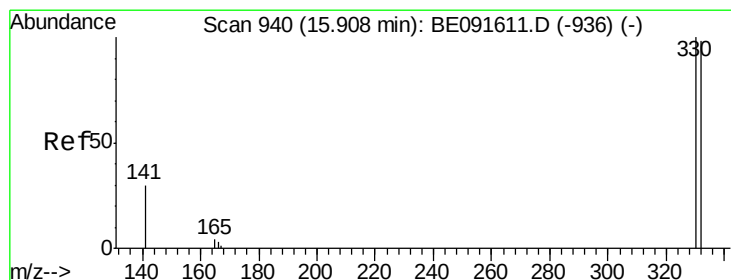
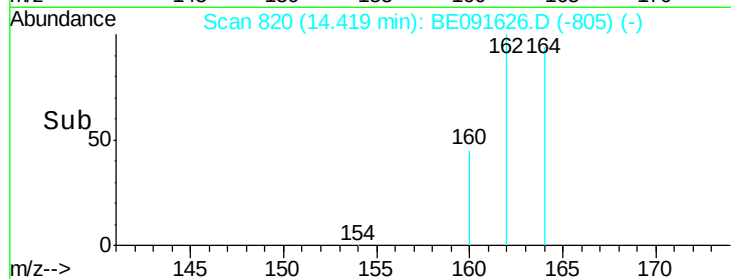
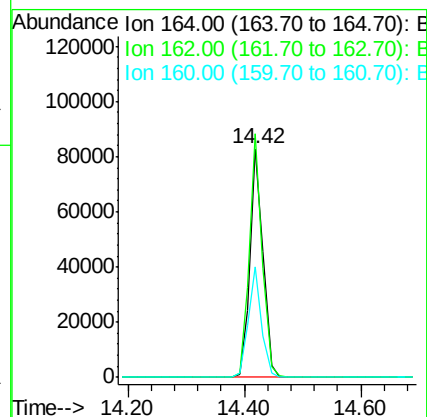
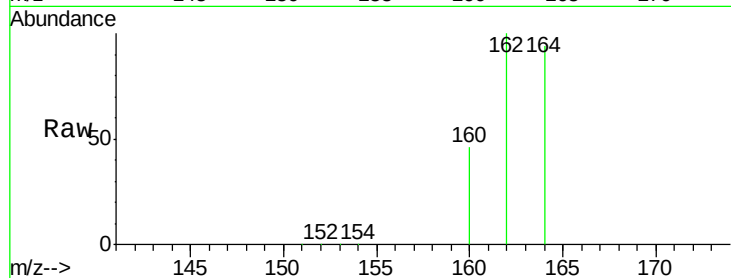




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.42 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

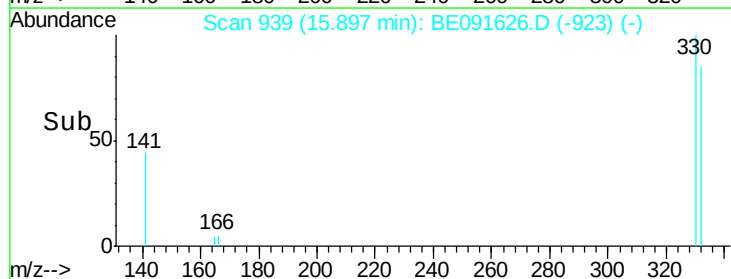
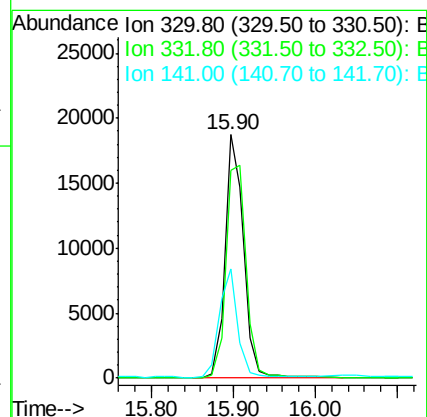
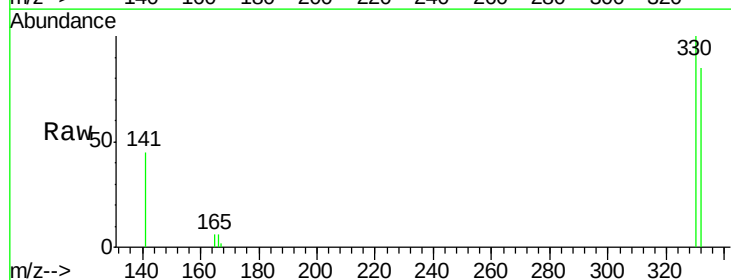
Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

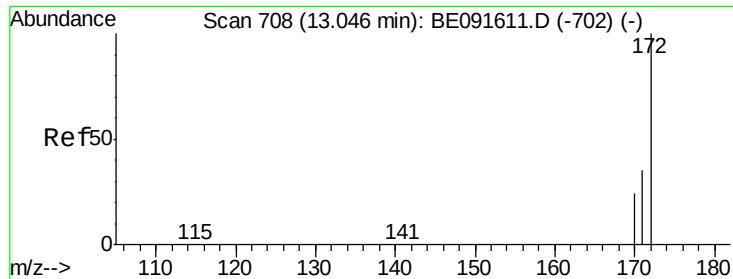
Tgt Ion:164 Resp: 128091
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.3 127.9
 160 48.5 46.2 69.2



#14
 2,4,6-Tribromophenol
 Concen: 7.18 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

Tgt Ion:330 Resp: 33531
 Ion Ratio Lower Upper
 330 100
 332 96.5 79.1 118.7
 141 38.7 125.4 188.0#

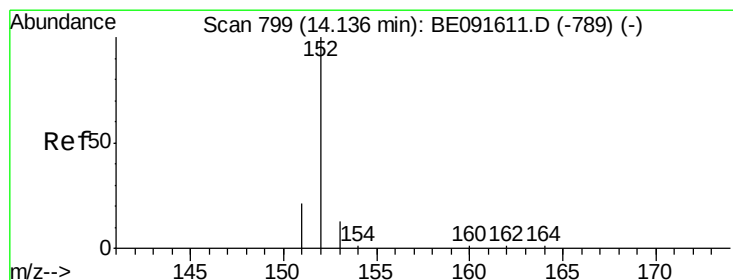
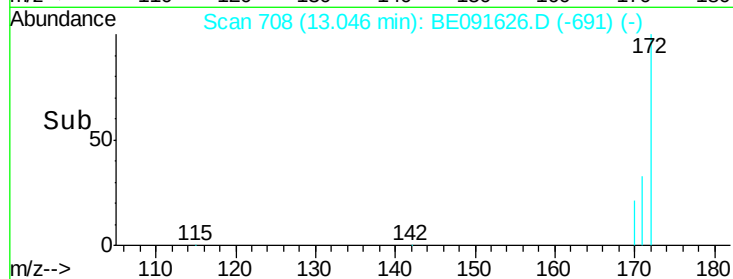
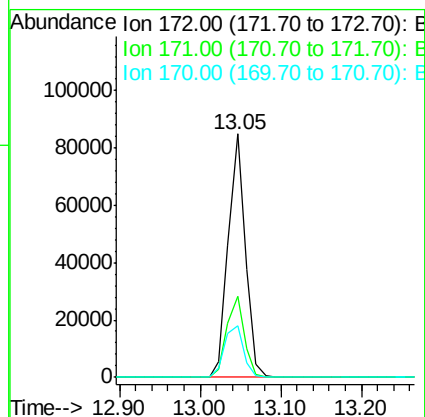
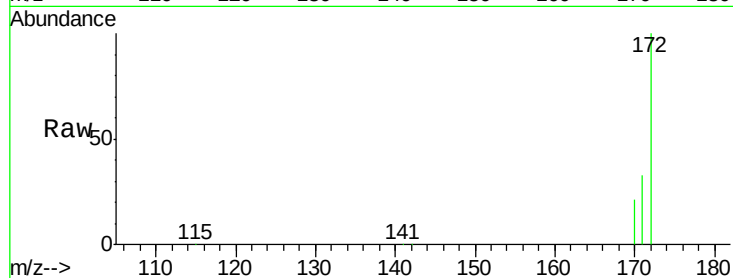




#15
2-Fluorobiphenyl
Concen: 3.51 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

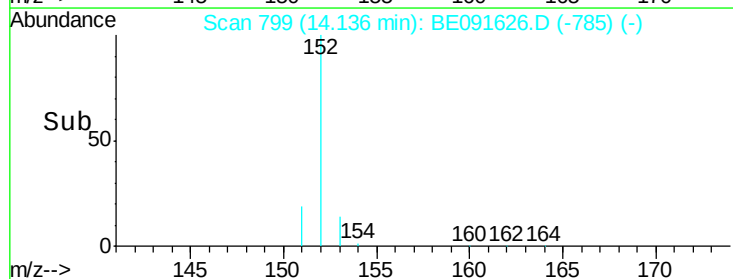
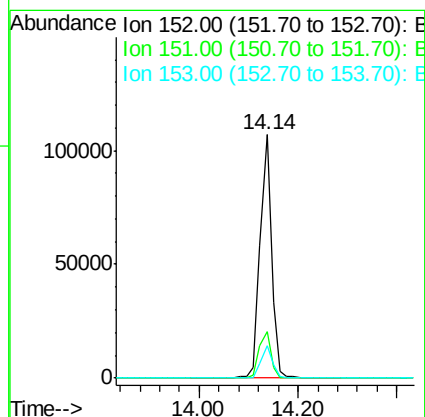
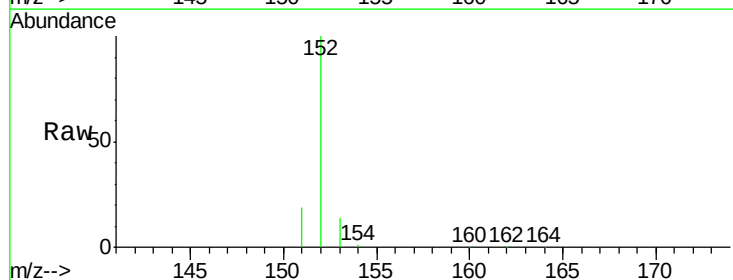
Instrument :
BNA_E
ClientSampleId :
PB89606BS

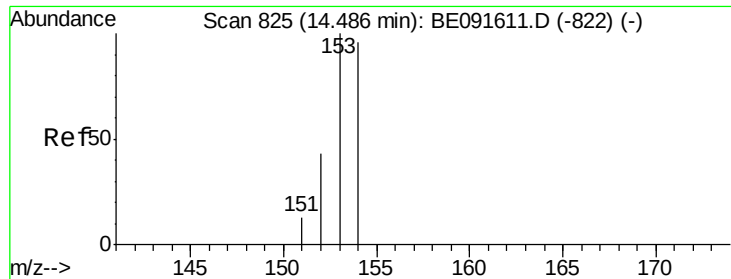
Tgt Ion:172 Resp: 125087
Ion Ratio Lower Upper
172 100
171 33.1 28.8 43.2
170 21.4 19.3 28.9



#16
Acenaphthylene
Concen: 3.67 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion:152 Resp: 182426
Ion Ratio Lower Upper
152 100
151 18.4 3.9 5.9#
153 13.6 10.3 15.5

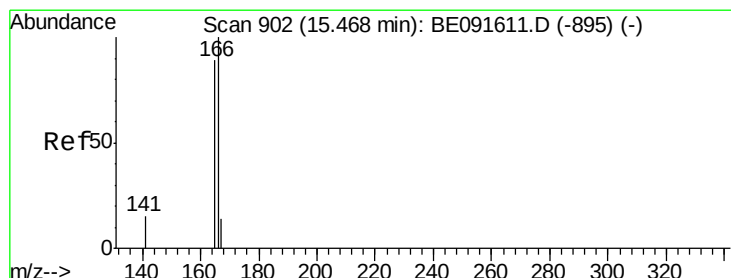
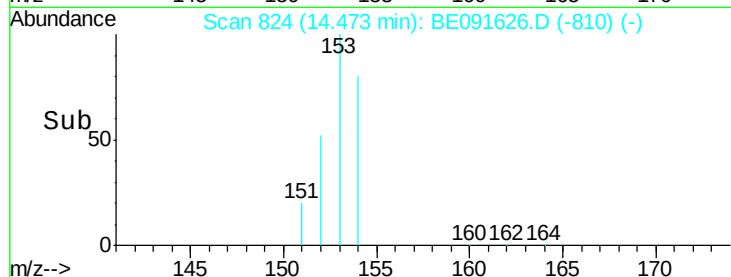
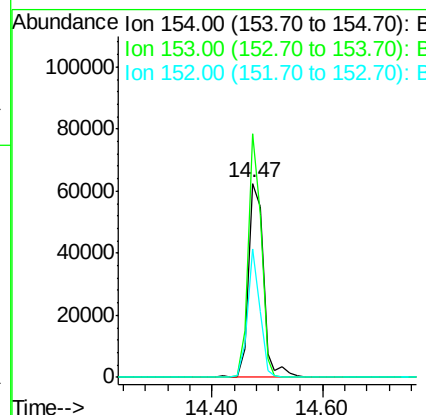
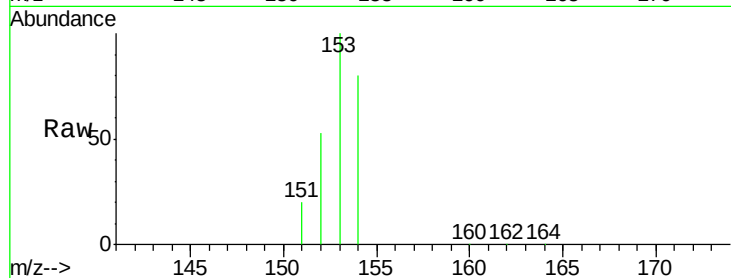




#17
Acenaphthene
Concen: 3.67 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

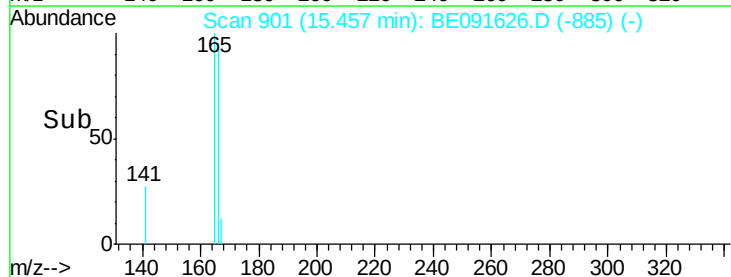
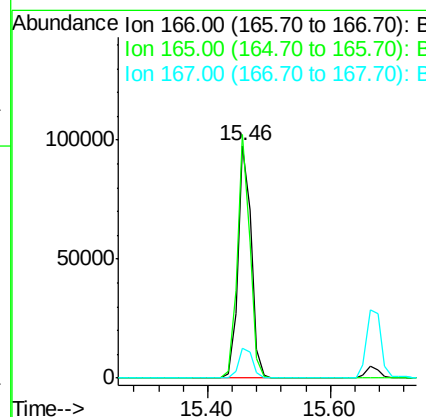
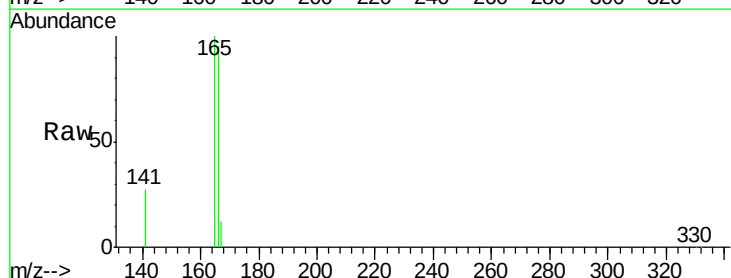
Instrument :
BNA_E
ClientSampleId :
PB89606BS

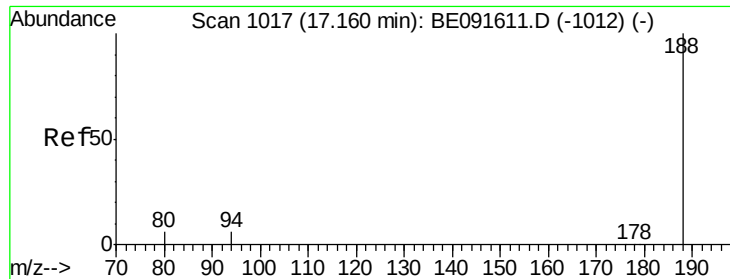
Tgt Ion:154 Resp: 115352
Ion Ratio Lower Upper
154 100
153 107.1 80.0 120.0
152 53.0 40.0 60.0



#18
Fluorene
Concen: 3.73 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion:166 Resp: 146701
Ion Ratio Lower Upper
166 100
165 99.0 80.8 121.2
167 13.6 10.9 16.3

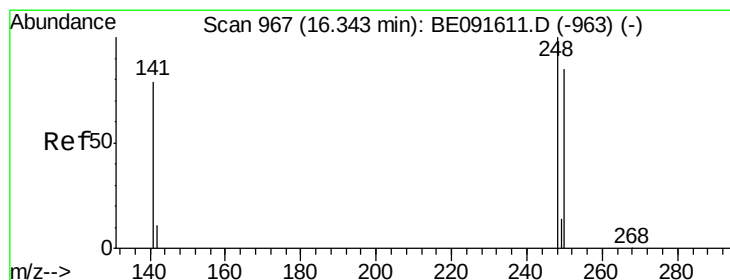
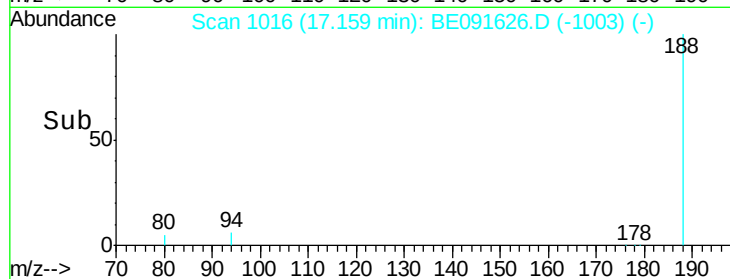
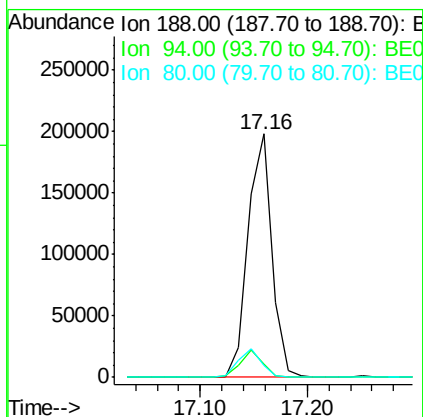
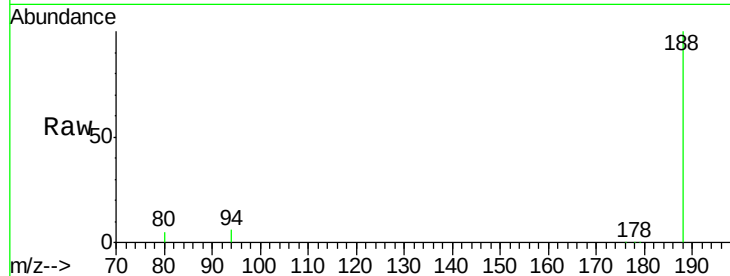




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

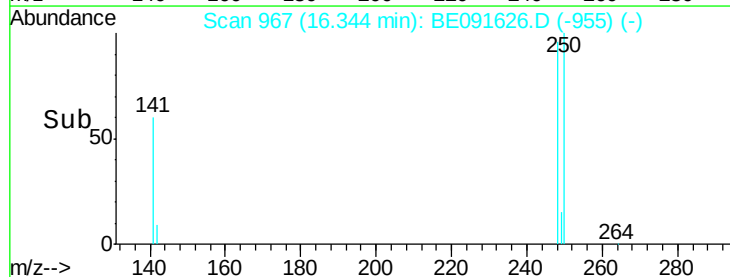
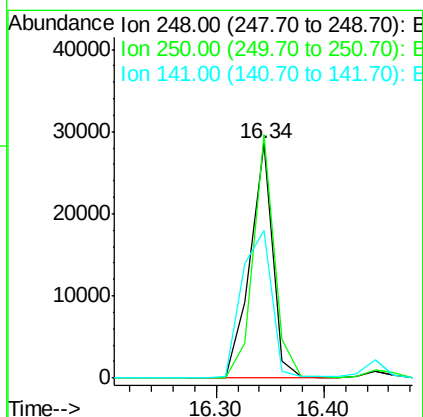
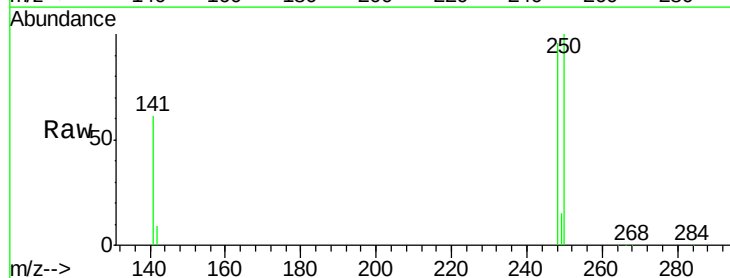
Instrument :
BNA_E
ClientSampleId :
PB89606BS

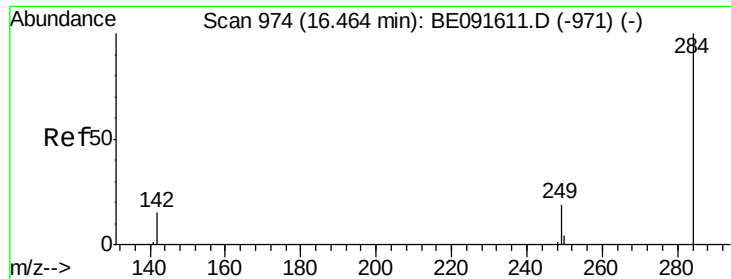
Tgt Ion:188 Resp: 306347
Ion Ratio Lower Upper
188 100
94 5.5 8.7 13.1#
80 4.7 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 16.34 min Scan# 967
Delta R.T. 0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion:248 Resp: 41656
Ion Ratio Lower Upper
248 100
250 96.6 80.5 120.7
141 81.7 72.0 108.0

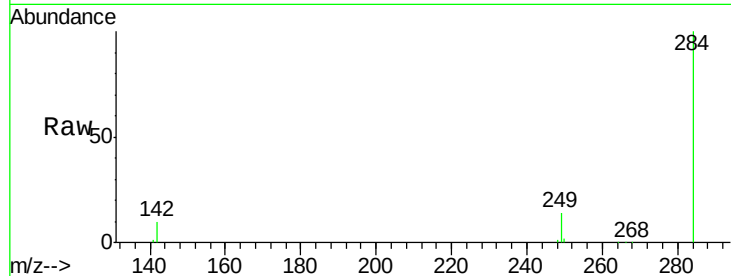




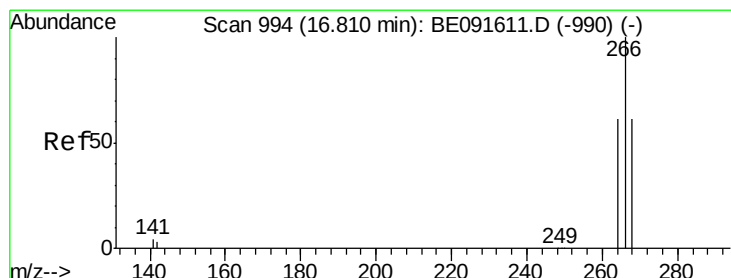
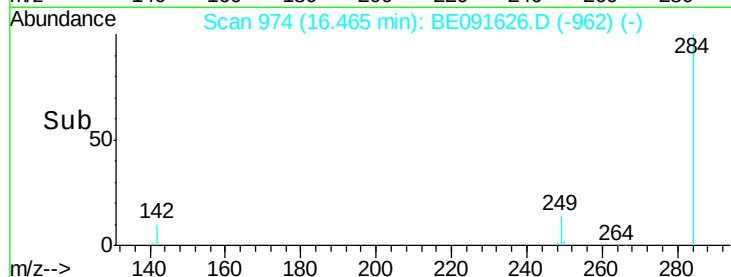
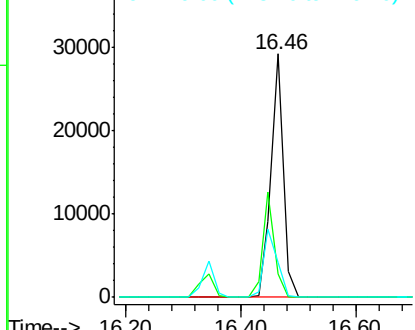
#21
Hexachlorobenzene
Concen: 3.84 ng
RT: 16.46 min Scan# 974
Delta R.T. 0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Instrument :
BNA_E
ClientSampleId :
PB89606BS

Tgt Ion: 284 Resp: 43110
Ion Ratio Lower Upper
284 100
142 41.5 32.2 48.2
249 31.5 25.4 38.2

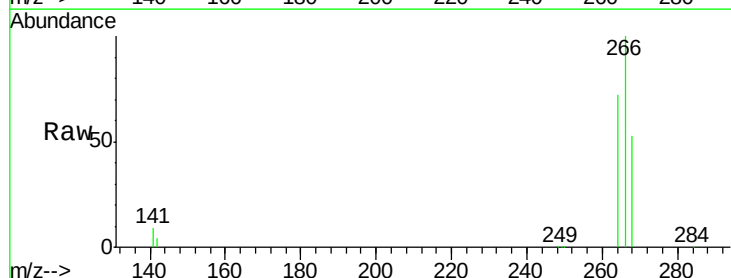


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

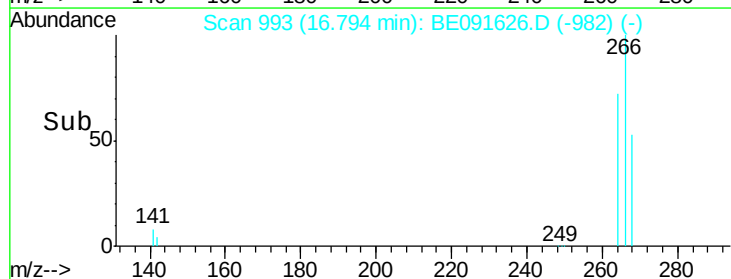
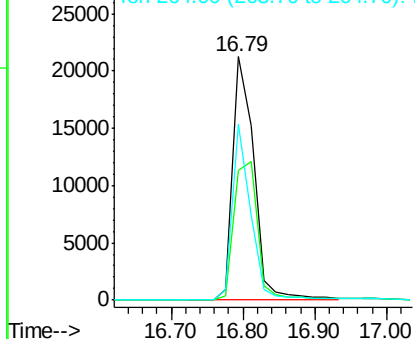


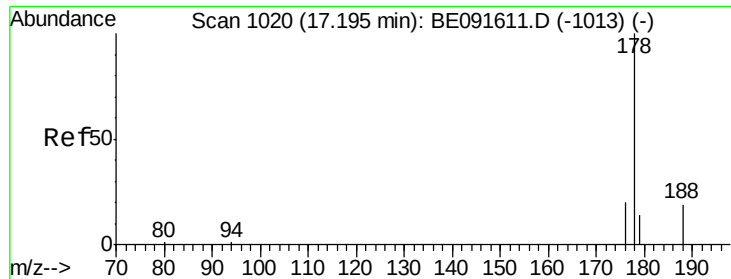
#22
Pentachlorophenol
Concen: 7.23 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion: 266 Resp: 42169
Ion Ratio Lower Upper
266 100
268 53.5 58.2 87.2#
264 72.3 56.2 84.4



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

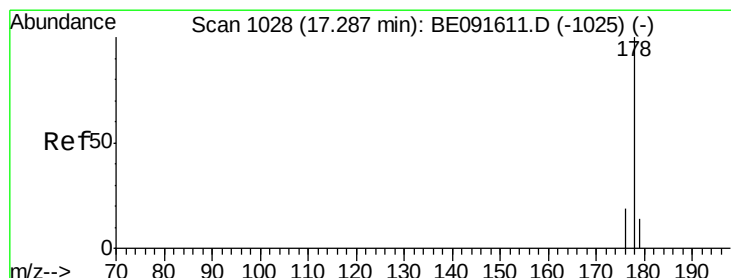
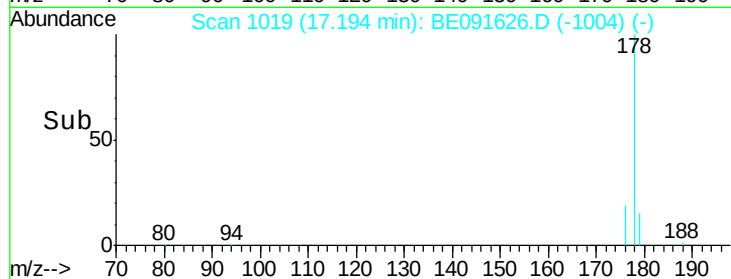
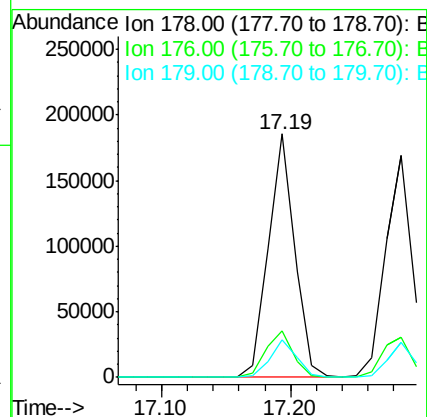
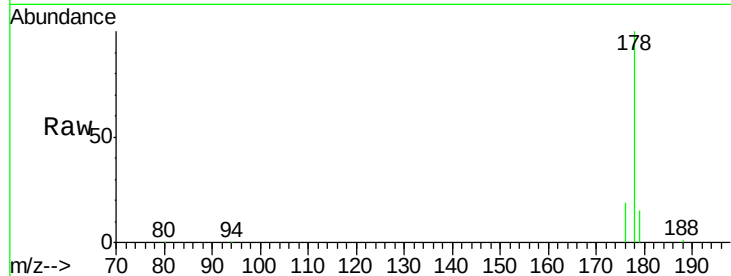




#23
Phenanthrene
Concen: 3.81 ng
RT: 17.19 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

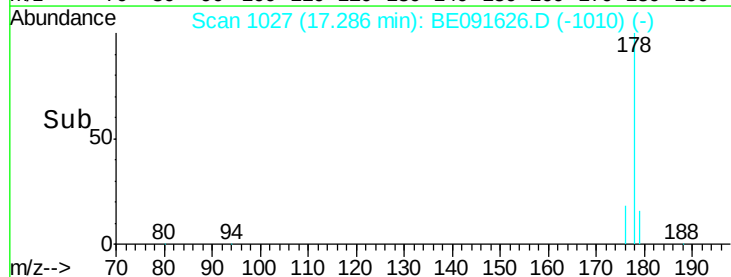
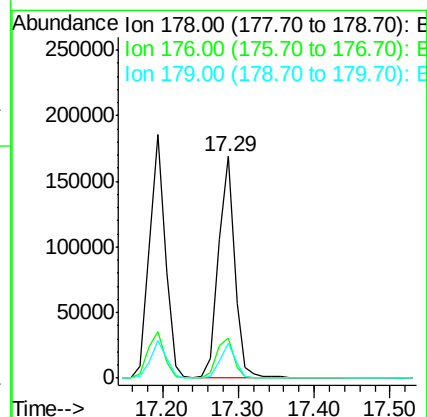
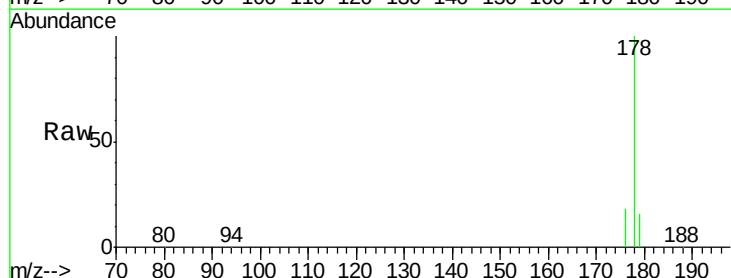
Instrument :
BNA_E
ClientSampleId :
PB89606BS

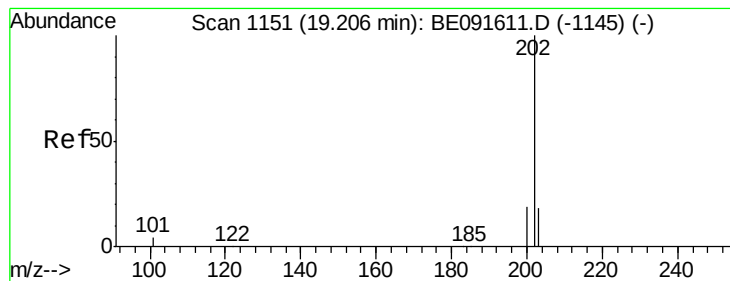
Tgt Ion:178 Resp: 266299
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.4 12.6 18.8



#24
Anthracene
Concen: 4.05 ng
RT: 17.29 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE091626.D
Acq: 11 Apr 2016 13:46

Tgt Ion:178 Resp: 250784
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 15.1 11.8 17.6





#25

Fluoranthene

Concen: 3.96 ng

RT: 19.20 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

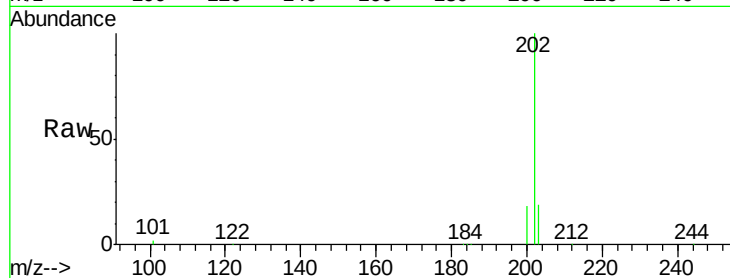
Tgt Ion: 202 Resp: 293302

Ion Ratio Lower Upper

202 100

101 11.6 11.0 16.6

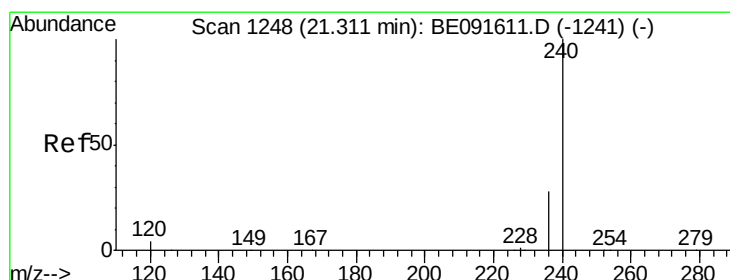
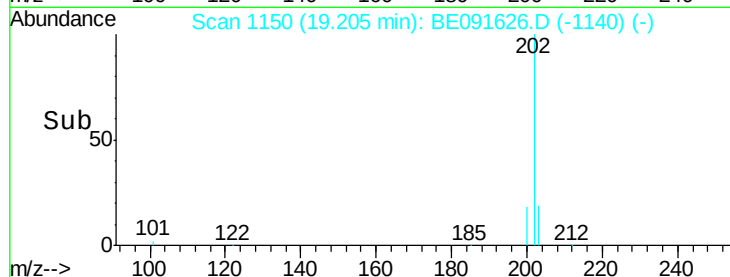
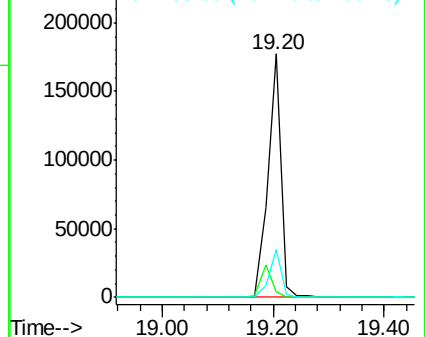
203 18.0 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

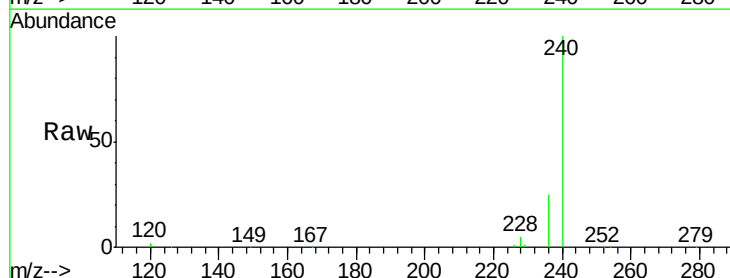
Tgt Ion: 240 Resp: 408357

Ion Ratio Lower Upper

240 100

120 1.9 11.0 16.4#

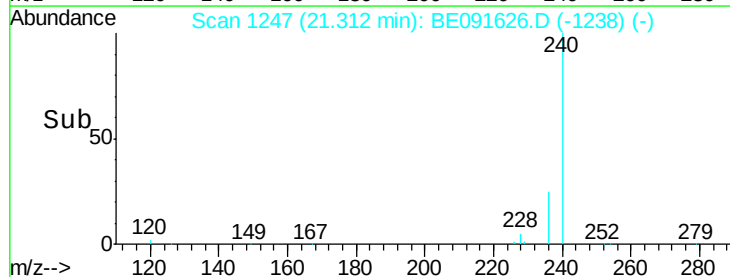
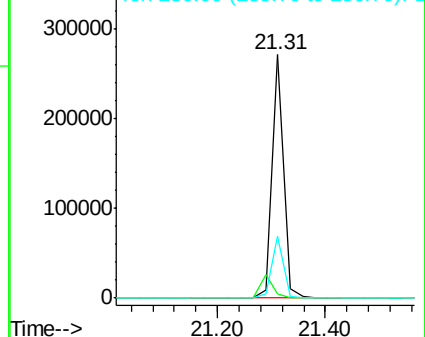
236 25.5 21.7 32.5

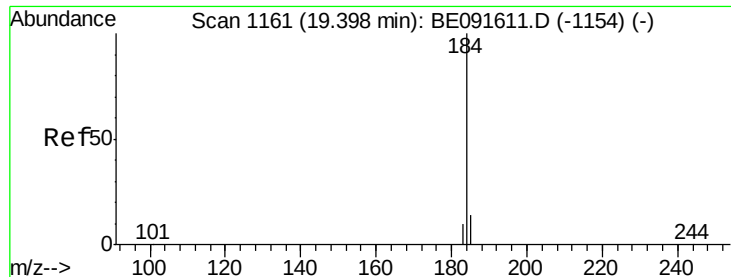


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 2.67 ng

RT: 19.38 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

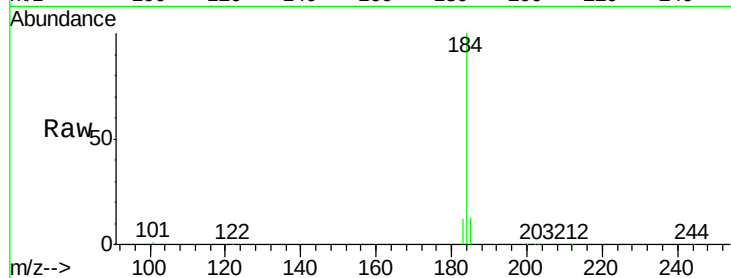
Tgt Ion:184 Resp: 100280

Ion Ratio Lower Upper

184 100

185 12.6 22.3 33.5#

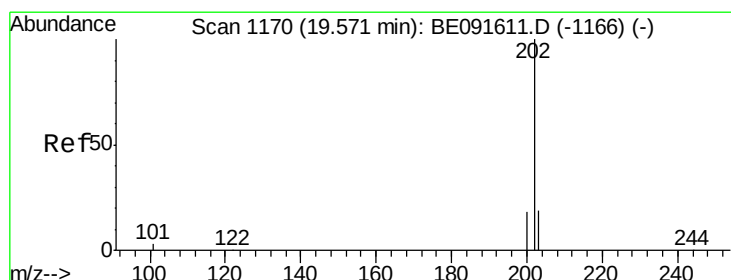
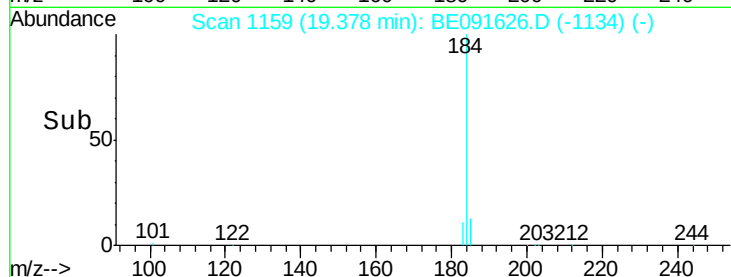
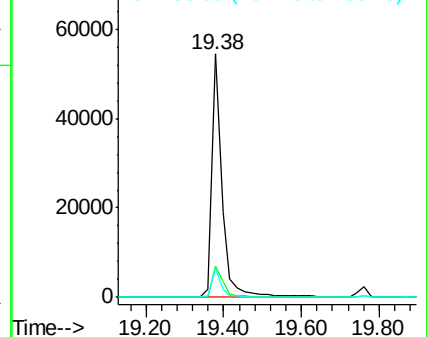
183 11.6 16.4 24.6#



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



#28

Pyrene

Concen: 3.84 ng

RT: 19.57 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

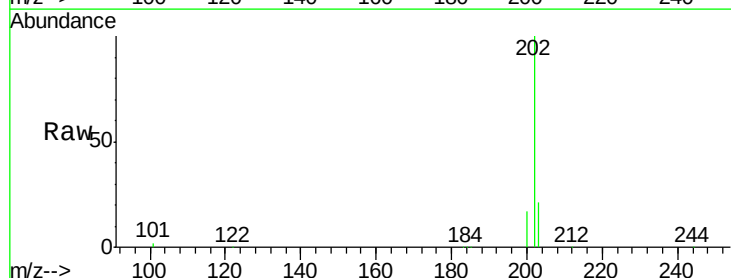
Tgt Ion:202 Resp: 313678

Ion Ratio Lower Upper

202 100

200 21.8 16.8 25.2

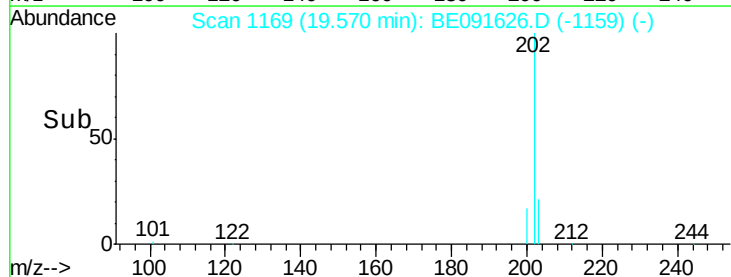
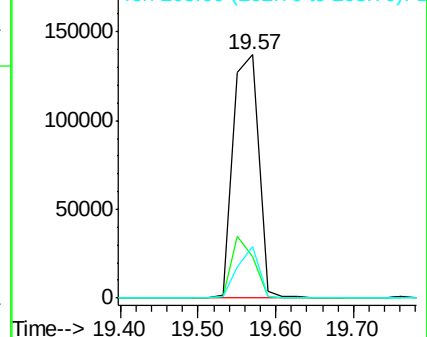
203 18.0 14.0 21.0

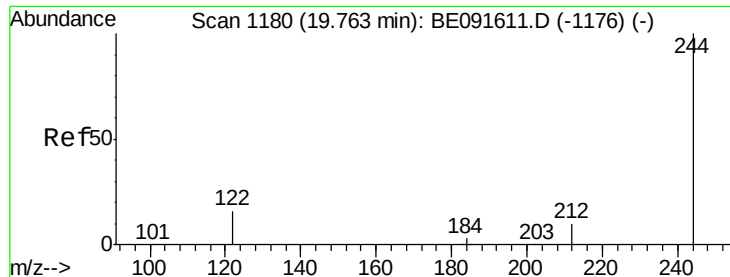


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.86 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

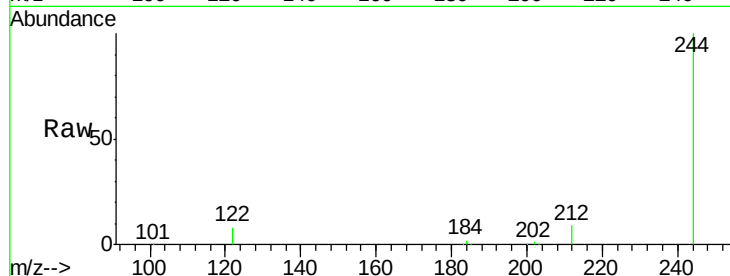
Tgt Ion:244 Resp: 196691

Ion Ratio Lower Upper

244 100

212 9.1 6.9 10.3

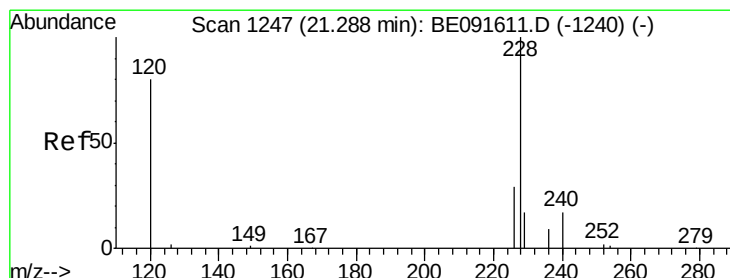
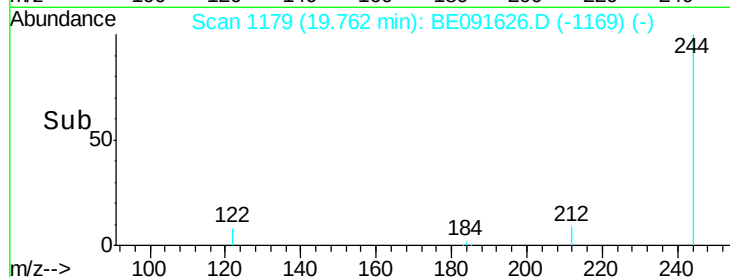
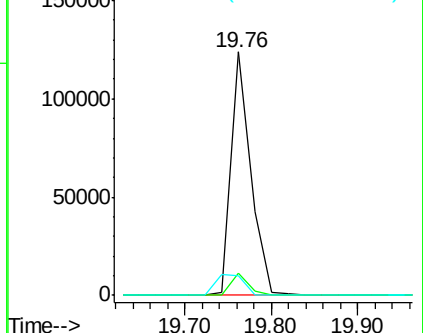
122 8.2 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 7.19 ng

RT: 21.29 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

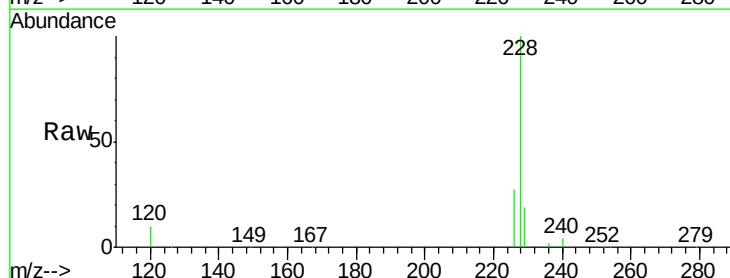
Tgt Ion:228 Resp: 656767

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

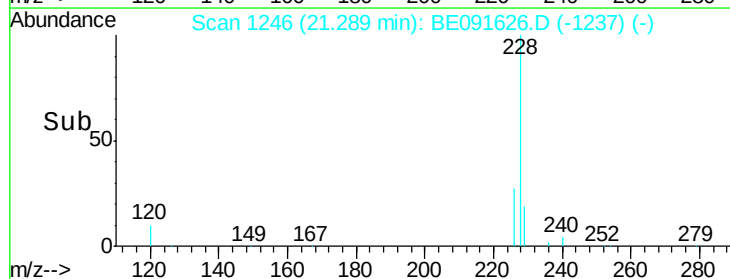
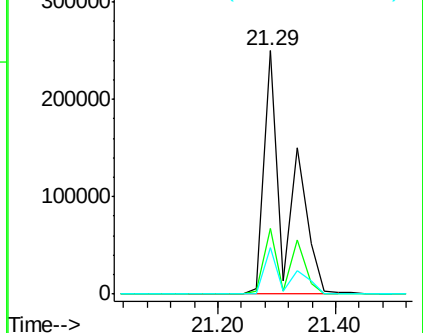
229 19.2 15.7 23.5

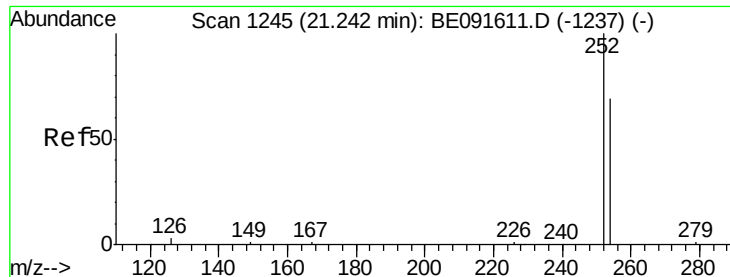


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

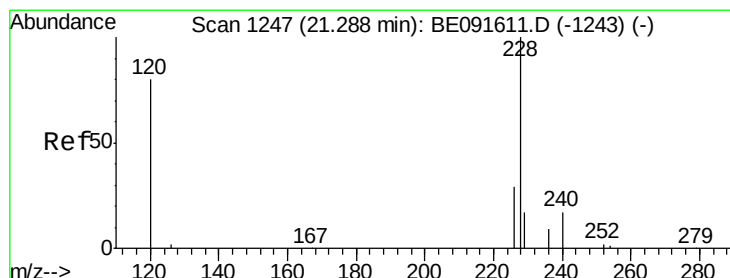
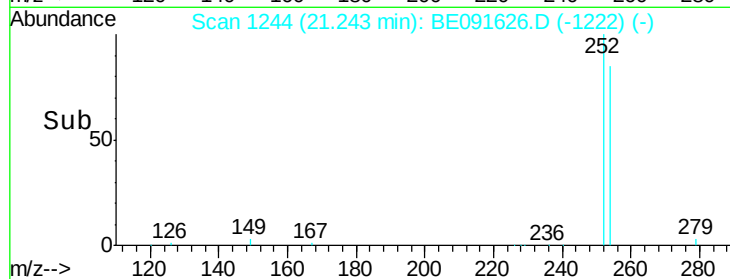
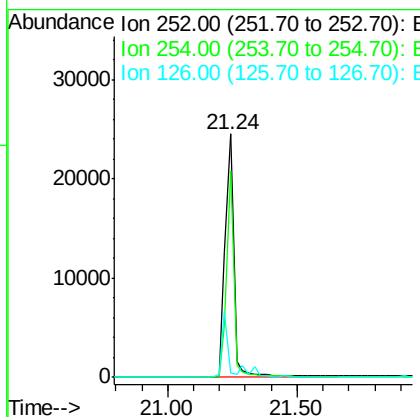
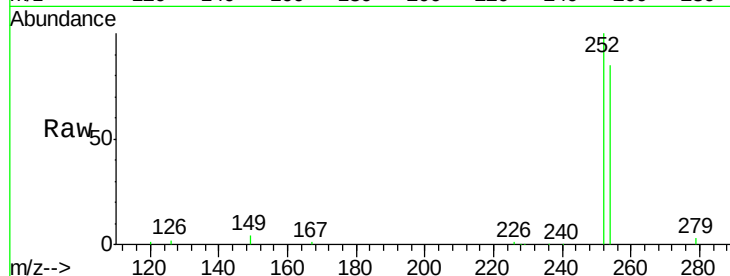




#31
 3,3'-Dichlorobenzidine
 Concen: 0.99 ng
 RT: 21.24 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

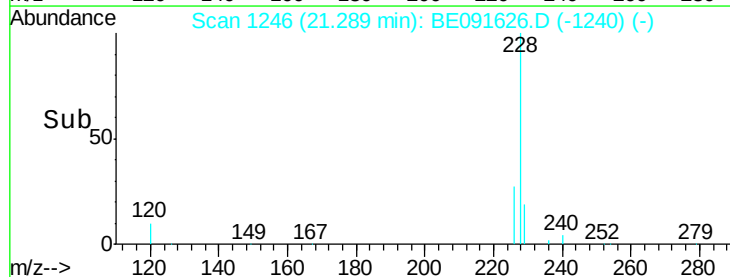
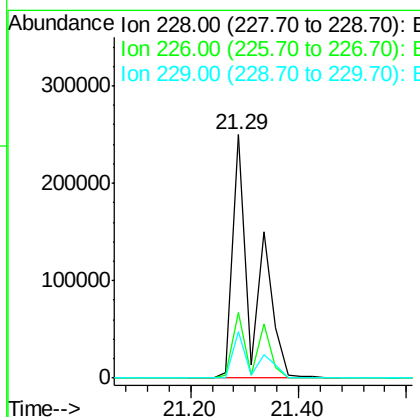
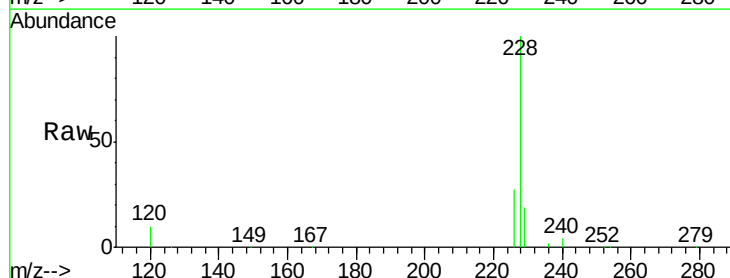
Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

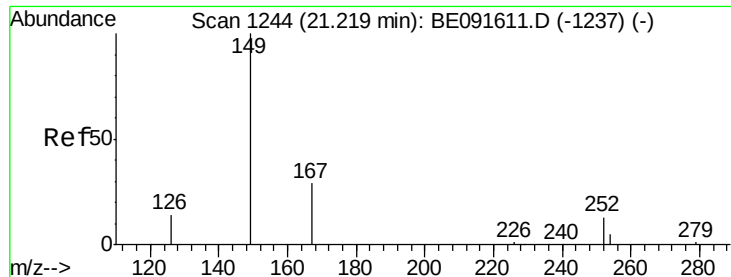
Tgt Ion: 252 Resp: 56828
 Ion Ratio Lower Upper
 252 100
 254 85.0 51.1 76.7#
 126 1.6 12.6 18.8#



#32
 Chrysene
 Concen: 7.96 ng
 RT: 21.29 min Scan# 1246
 Delta R.T. -0.07 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

Tgt Ion: 228 Resp: 660185
 Ion Ratio Lower Upper
 228 100
 226 27.0 24.0 36.0
 229 19.2 15.9 23.9

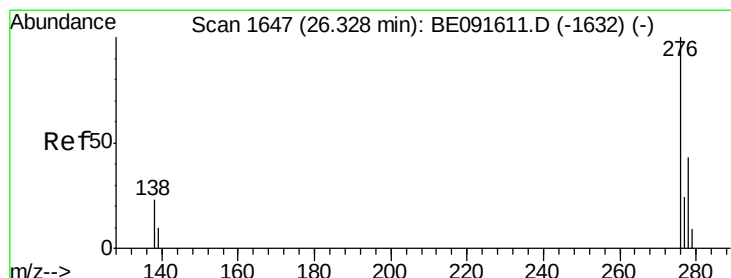
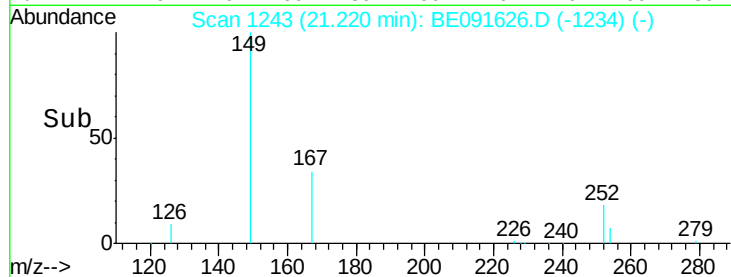
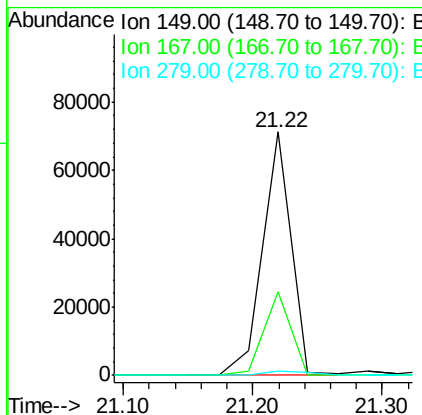
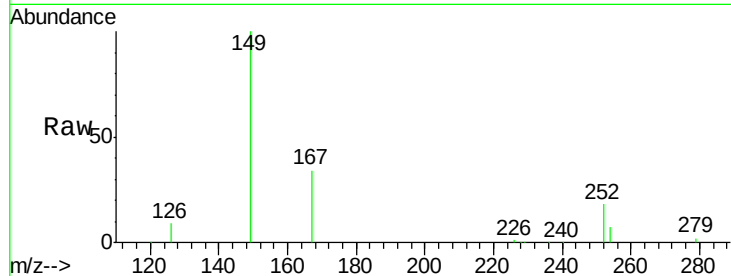




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 1.84 ng
 RT: 21.22 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

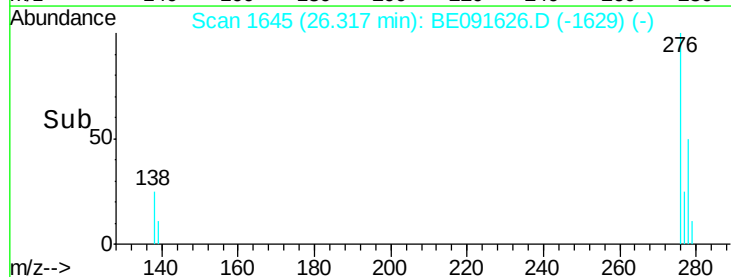
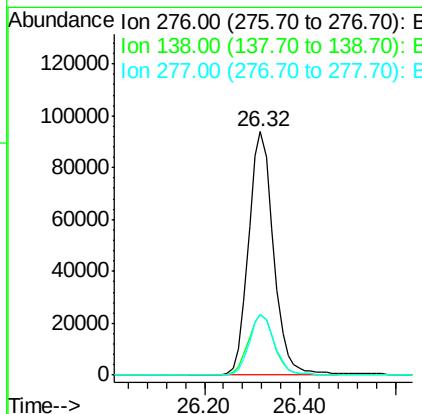
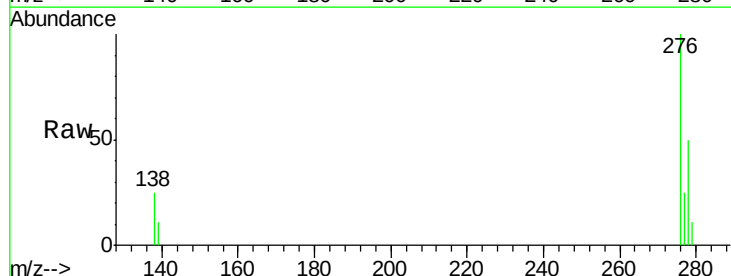
Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

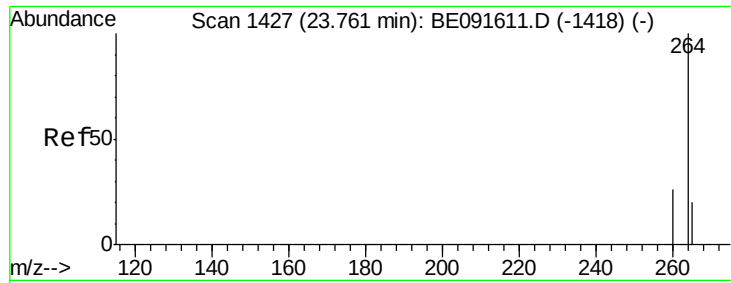
Tgt Ion:149 Resp: 109219
 Ion Ratio Lower Upper
 149 100
 167 32.6 19.5 29.3#
 279 2.2 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.66 ng
 RT: 26.32 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

Tgt Ion:276 Resp: 338828
 Ion Ratio Lower Upper
 276 100
 138 25.9 23.4 35.2
 277 25.0 19.8 29.8

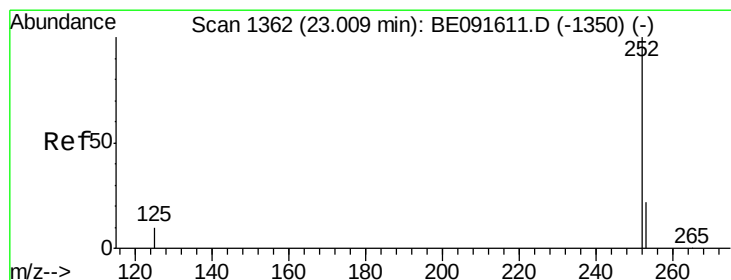
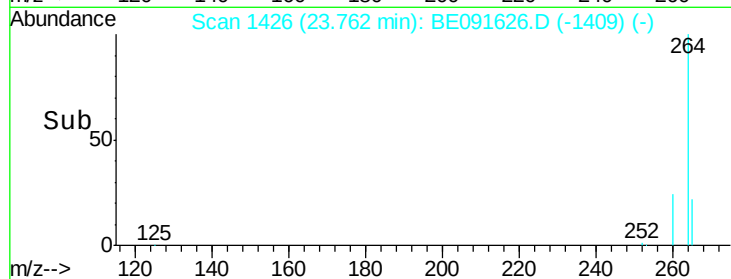
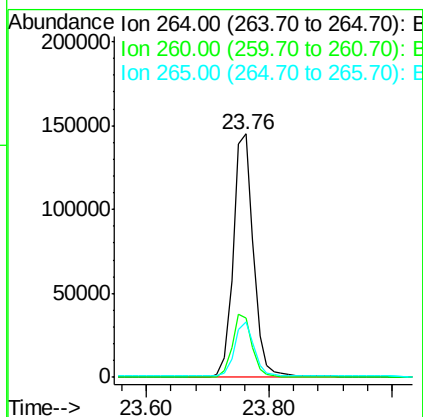
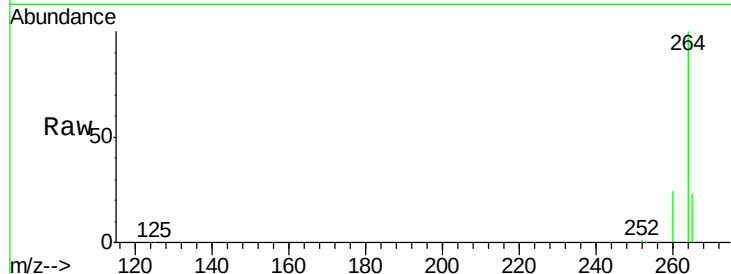




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

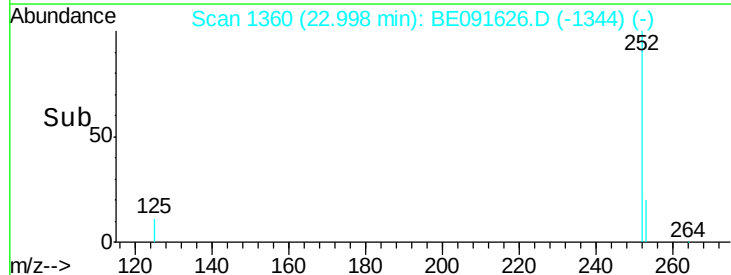
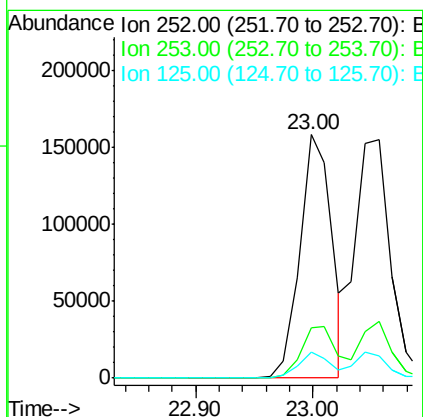
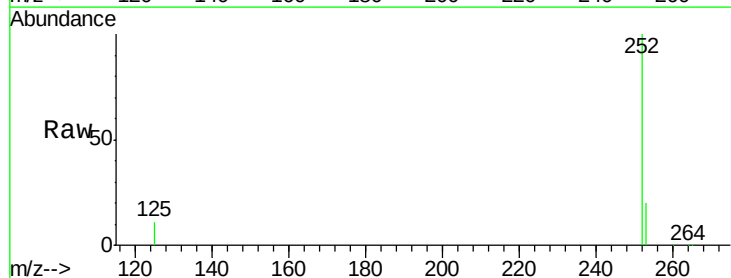
Instrument :
 BNA_E
 ClientSampleId :
 PB89606BS

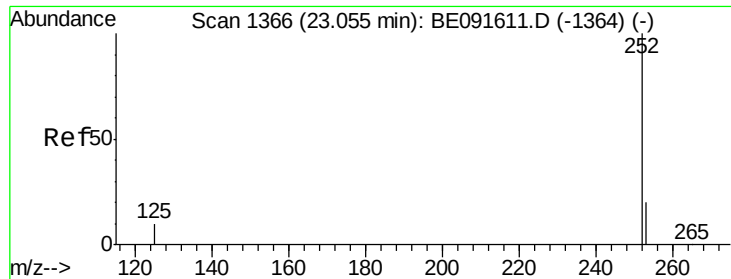
Tgt Ion: 264 Resp: 333452
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.0 30.0
 265 22.9 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.87 ng
 RT: 23.00 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BE091626.D
 Acq: 11 Apr 2016 13:46

Tgt Ion: 252 Resp: 299598
 Ion Ratio Lower Upper
 252 100
 253 20.5 17.4 26.0
 125 10.8 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.92 ng

RT: 23.00 min Scan# 1360

Delta R.T. -0.06 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

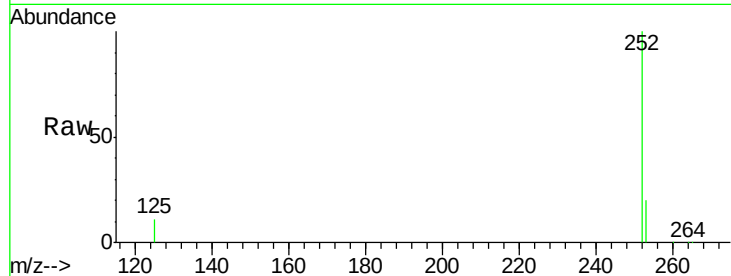
Tgt Ion:252 Resp: 299598

Ion Ratio Lower Upper

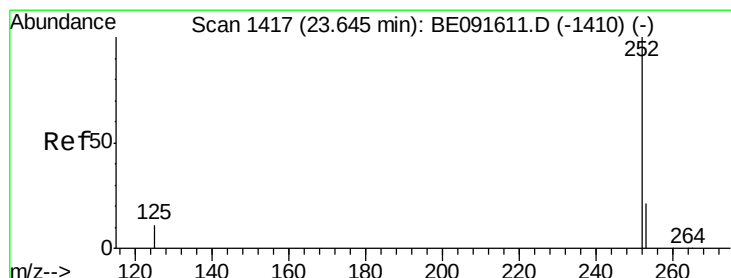
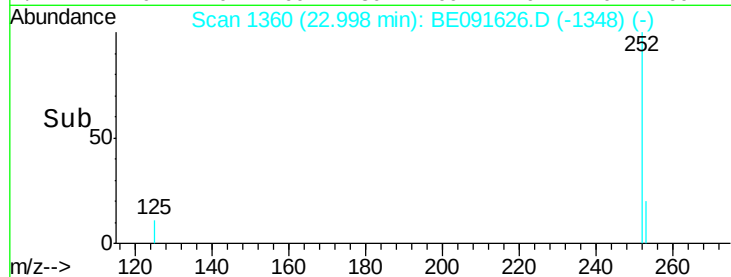
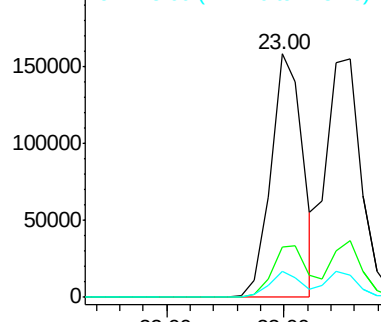
252 100

253 20.5 17.6 26.4

125 10.8 9.9 14.9



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



#38

Benzo(a)pyrene

Concen: 4.02 ng

RT: 23.65 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

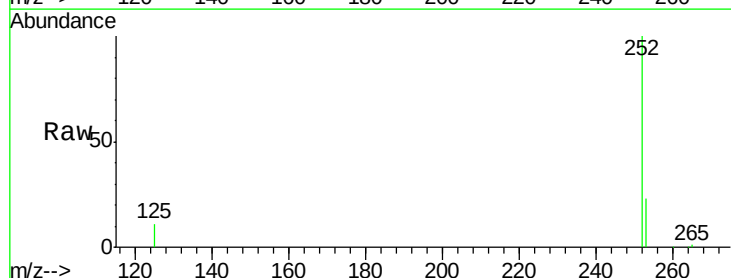
Tgt Ion:252 Resp: 289398

Ion Ratio Lower Upper

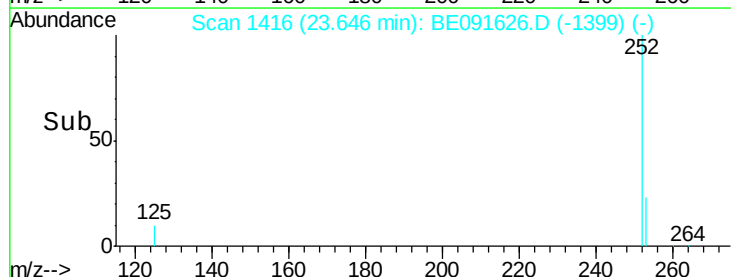
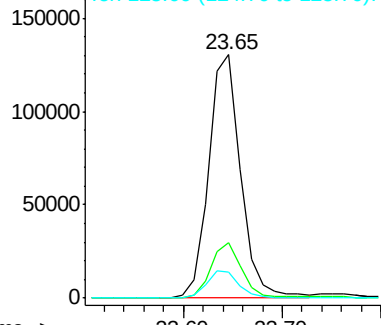
252 100

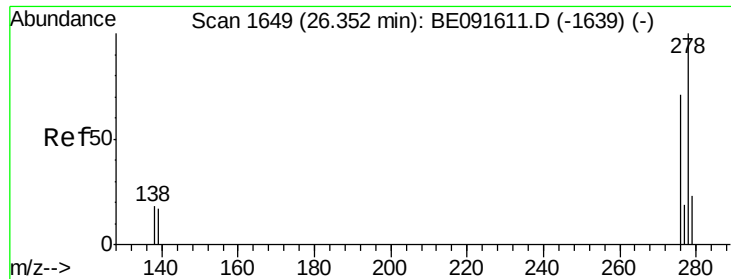
253 22.8 18.1 27.1

125 10.5 11.0 16.4#



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





#39

Dibenzo(a,h)anthracene

Concen: 4.05 ng

RT: 26.34 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

Instrument :

BNA_E

ClientSampleId :

PB89606BS

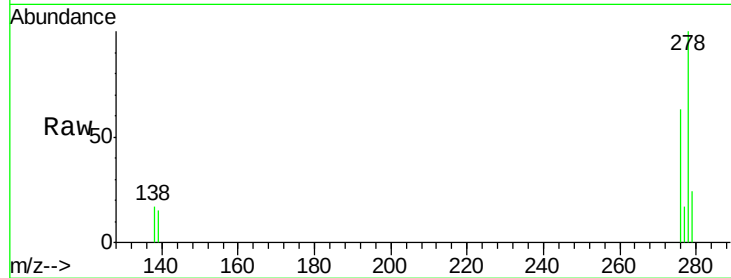
Tgt Ion: 278 Resp: 287132

Ion Ratio Lower Upper

278 100

139 15.4 16.0 24.0#

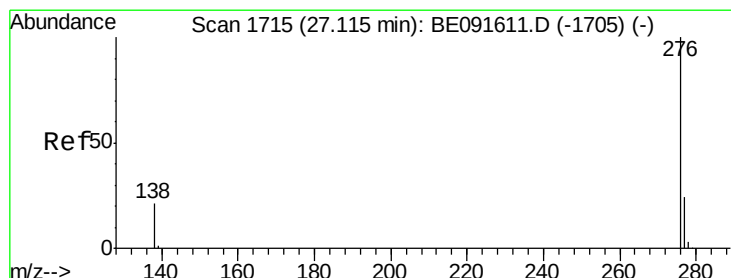
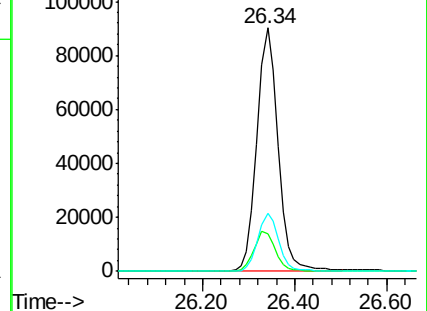
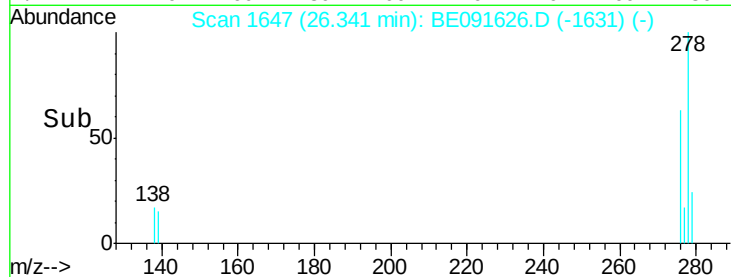
279 23.6 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 3.94 ng

RT: 27.10 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091626.D

Acq: 11 Apr 2016 13:46

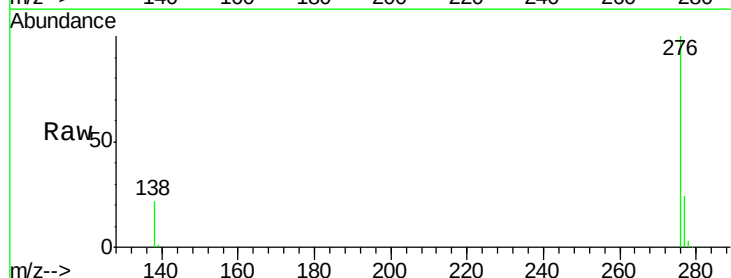
Tgt Ion: 276 Resp: 287456

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 21.8 20.4 30.6



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

