

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
 Data File : BE091761.D
 Acq On : 10 May 2016 18:02
 Operator : UM/SJ
 Sample : PB90409BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90409BS

Quant Time: May 11 01:27:19 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	44132	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	210812	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	126100	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	337783	5.00	ng	0.00
26) Chrysene-d12	21.31	240	301314	5.00	ng	0.00
35) Perylene-d12	23.75	264	300478	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	76003	7.01	ng	0.00
5) Phenol-d6	6.95	99	110988	7.72	ng	0.00
8) Nitrobenzene-d5	8.95	82	51981	3.82	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	36104	7.70	ng	0.00
15) 2-Fluorobiphenyl	13.04	172	143144	4.01	ng	0.00
29) Terphenyl-d14	19.76	244	219593	4.67	ng	0.00

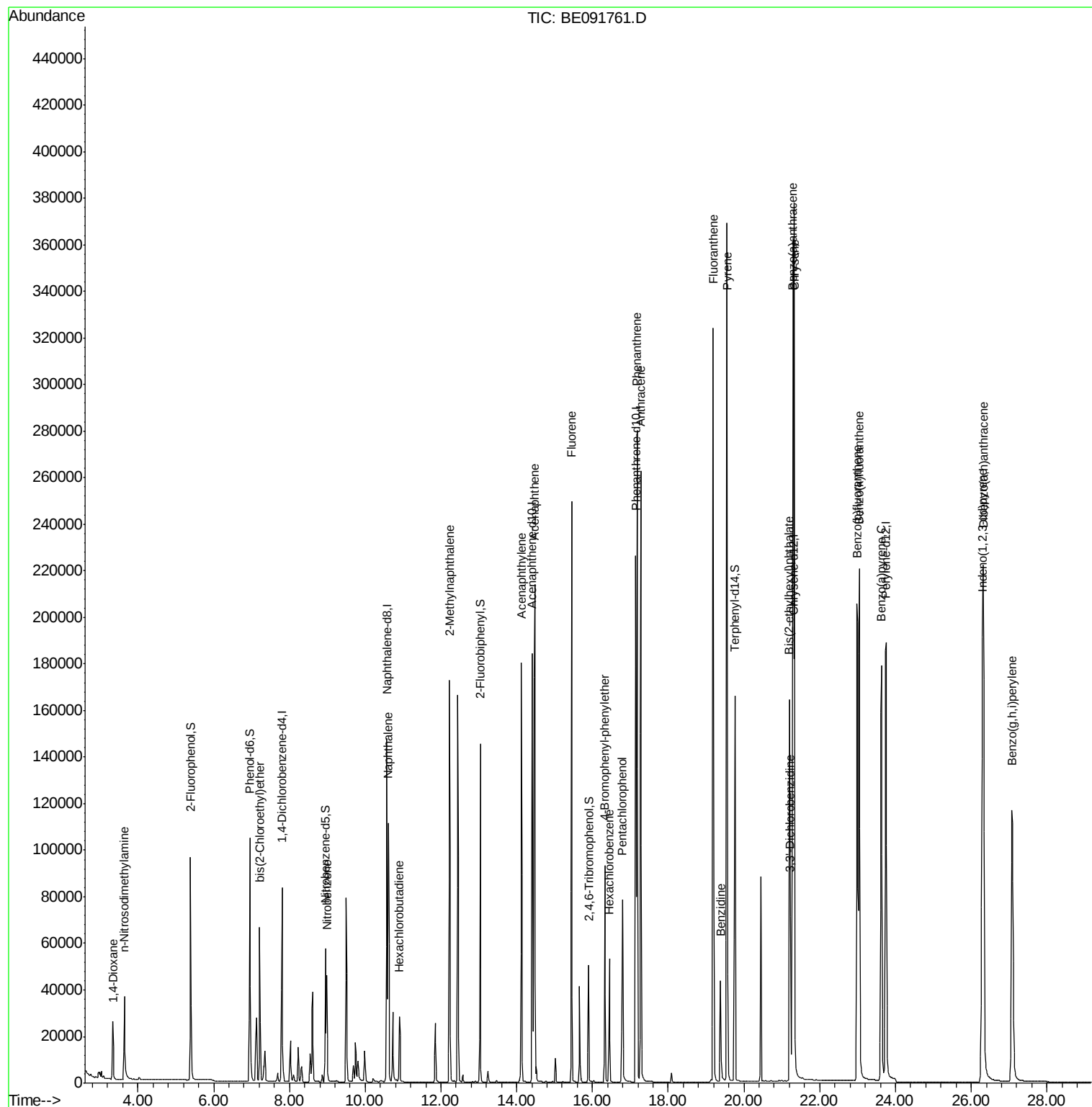
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	17872	3.45	ng	92
3) n-Nitrosodimethylamine	3.64	42	28016	3.50	ng	# 98
6) bis(2-Chloroethyl)ether	7.21	93	48805	3.86	ng	# 77
9) Nitrobenzene	8.99	77	57657	4.05	ng	93
10) Naphthalene	10.61	128	170314	4.00	ng	98
11) Hexachlorobutadiene	10.90	225	27415	4.36	ng	98
12) 2-Methylnaphthalene	12.23	142	122536	4.48	ng	98
16) Acenaphthylene	14.12	152	219870	4.53	ng	# 86
17) Acenaphthene	14.47	154	137770	4.38	ng	96
18) Fluorene	15.45	166	167966	4.30	ng	97
20) 4-Bromophenyl-phenylether	16.33	248	48039	3.95	ng	93
21) Hexachlorobenzene	16.45	284	48611	4.00	ng	99
22) Pentachlorophenol	16.79	266	52945	8.06	ng	89
23) Phenanthrene	17.18	178	293742	3.83	ng	99
24) Anthracene	17.28	178	286417	4.14	ng	99
25) Fluoranthene	19.19	202	329300	4.10	ng	# 96
27) Benzidine	19.38	184	64613	2.78	ng	# 76
28) Pyrene	19.55	202	363498	5.34	ng	99
30) Benzo(a)anthracene	21.29	228	324245	4.41	ng	# 90
31) 3,3'-Dichlorobenzidine	21.22	252	60369	1.61	ng	# 85
32) Chrysene	21.34	228	363541m	4.75	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	195793	8.78	ng	# 86
34) Indeno(1,2,3-cd)pyrene	26.29	276	339105	4.98	ng	95
36) Benzo(b)fluoranthene	22.99	252	345777	4.91	ng	96
37) Benzo(k)fluoranthene	23.04	252	299040m	4.18	ng	
38) Benzo(a)pyrene	23.63	252	300776	4.54	ng	# 96
39) Dibenzo(a,h)anthracene	26.32	278	285305	4.54	ng	95
40) Benzo(g,h,i)perylene	27.08	276	287879	4.51	ng	95

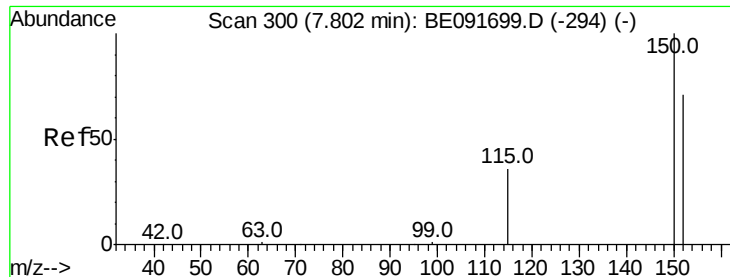
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
Data File : BE091761.D
Acq On : 10 May 2016 18:02
Operator : UM/SJ
Sample : PB90409BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB90409BS

Quant Time: May 11 01:27:19 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

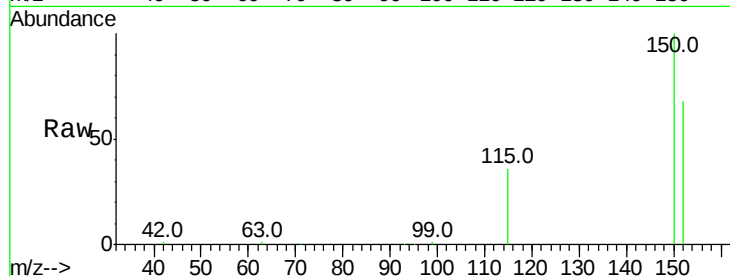
Tot Ion:152 Resp: 44132

Ion Ratio Lower Upper

152 100

150 147.7 122.6 183.8

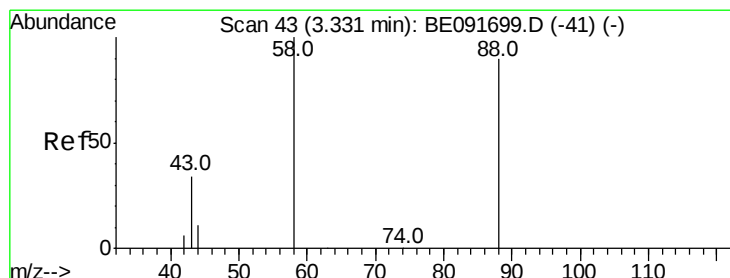
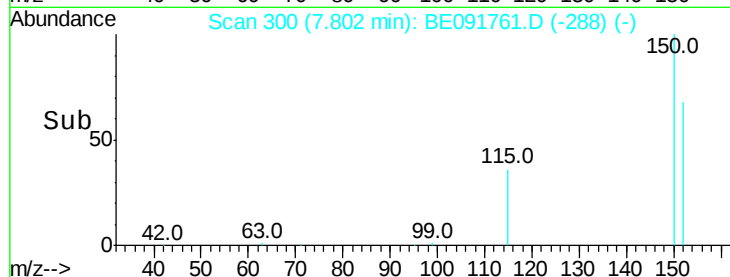
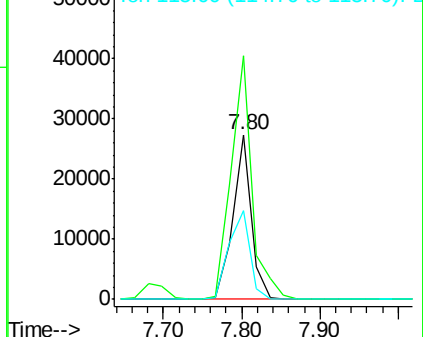
115 53.7 52.8 79.2



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: 3.45 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

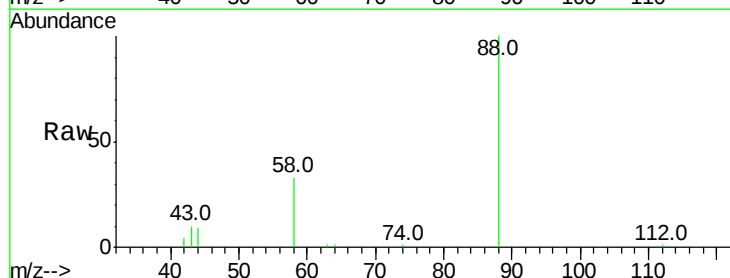
Tgt Ion: 88 Resp: 17872

Ion Ratio Lower Upper

88 100

58 88.9 65.8 98.6

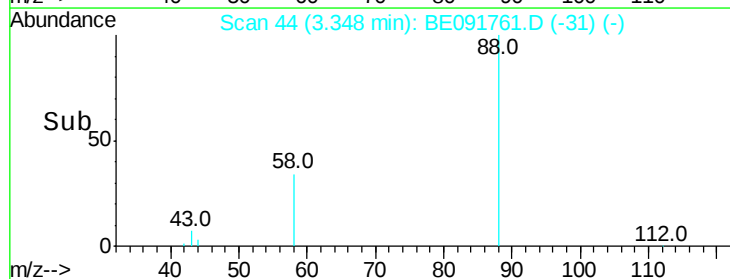
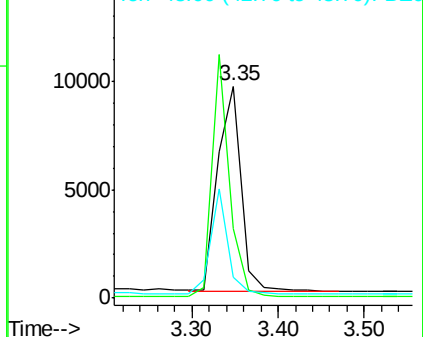
43 37.2 25.3 37.9



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: 3.50 ng

RT: 3.64 min Scan# 61

Delta R.T. 0.02 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

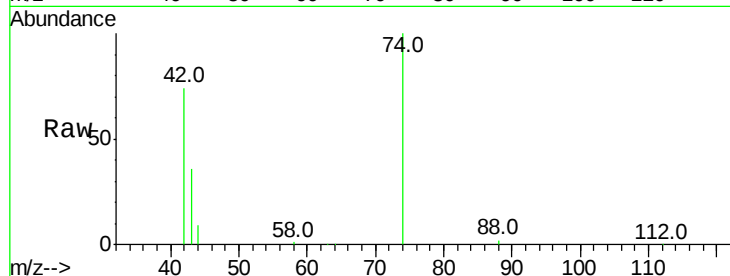
Tot Ion: 42 Resp: 28016

Ion Ratio Lower Upper

42 100

74 108.0 87.9 131.9

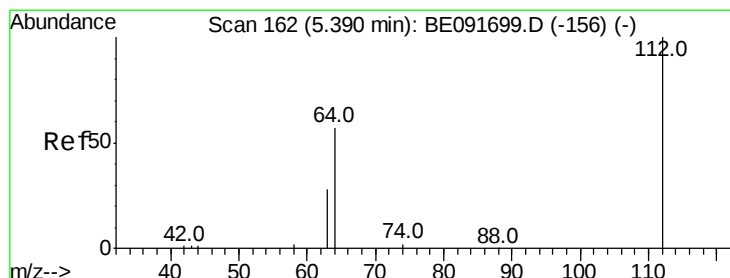
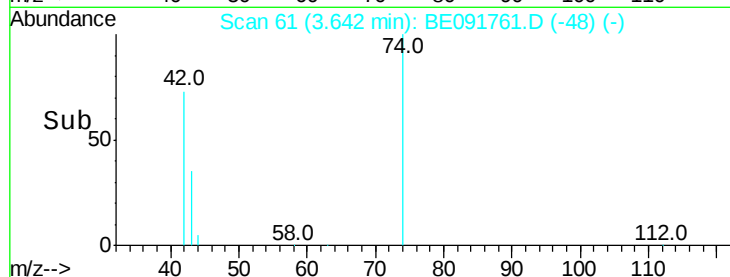
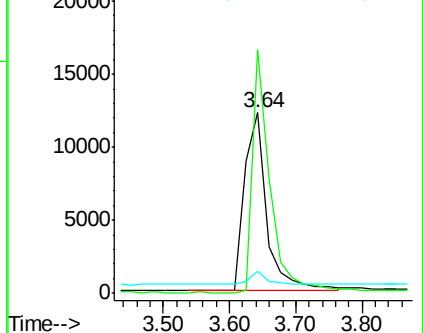
44 5.8 6.6 9.8#



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: 7.01 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

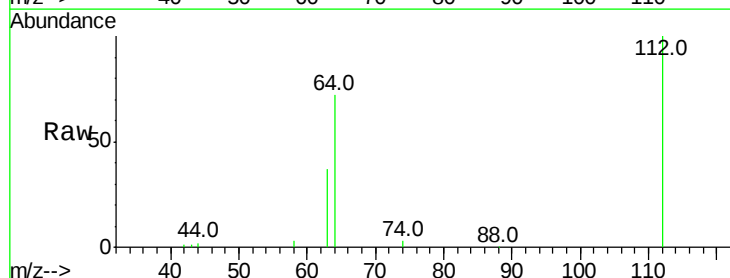
Tgt Ion: 112 Resp: 76003

Ion Ratio Lower Upper

112 100

64 65.9 30.9 46.3#

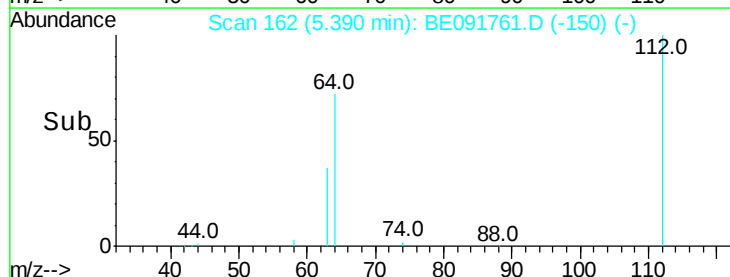
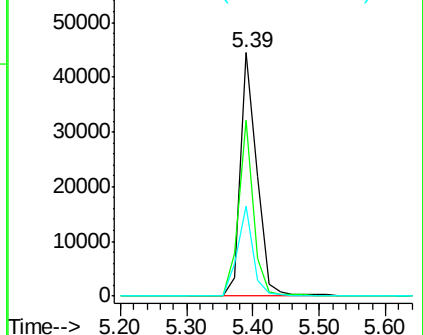
63 35.5 16.7 25.1#



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: 7.72 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

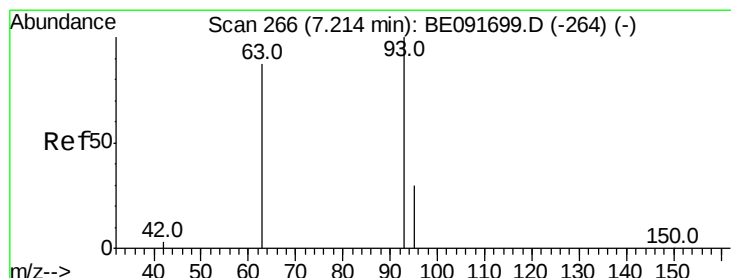
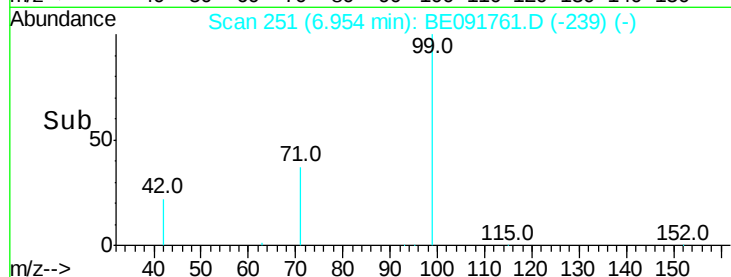
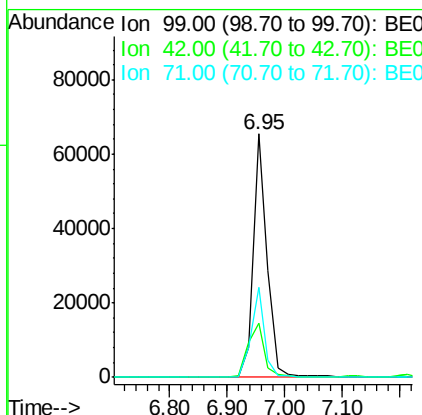
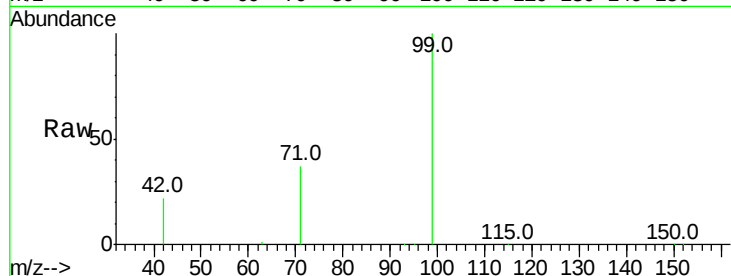
BNA_E

ClientSampleId :

PB90409BS

Tot Ion: 99 Resp: 110988

Ion	Ratio	Lower	Upper
99	100		
42	25.3	16.2	24.2#
71	35.7	29.0	43.4



#6

bis(2-Chloroethyl)ether

Concen: 3.86 ng

RT: 7.21 min Scan# 266

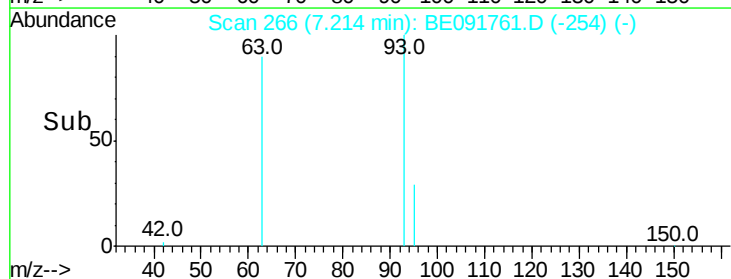
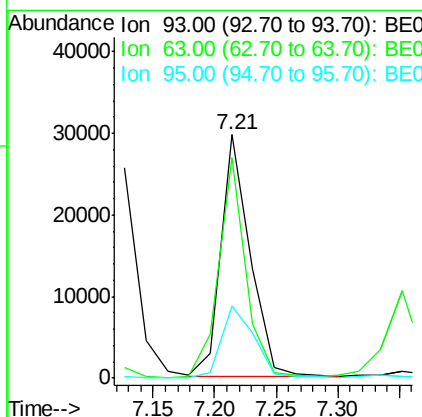
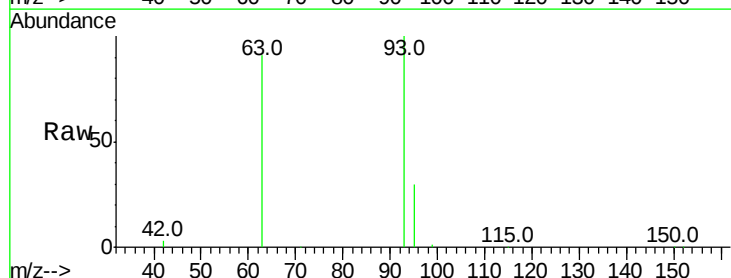
Delta R.T. -0.00 min

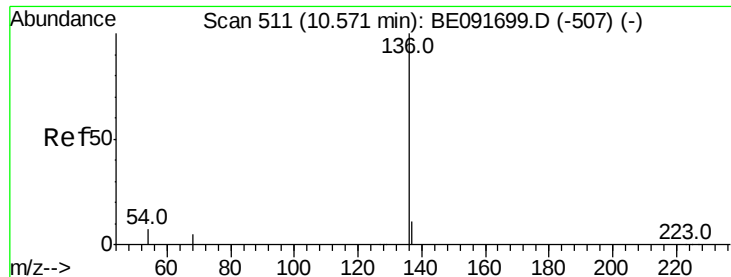
Lab File: BE091761.D

Acq: 10 May 2016 18:02

Tgt Ion: 93 Resp: 48805

Ion	Ratio	Lower	Upper
93	100		
63	84.3	49.5	74.3#
95	32.6	22.2	33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

Tot Ion:136 Resp: 210812

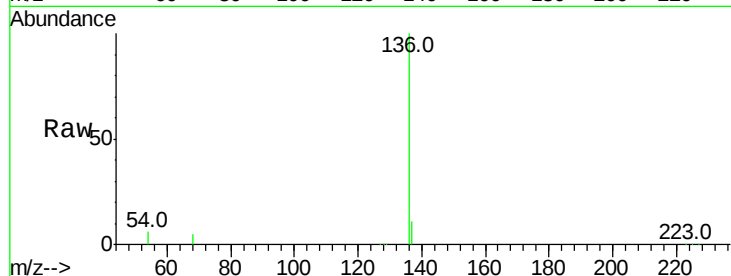
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.9 8.2 12.4#

68 4.7 6.2 9.4#

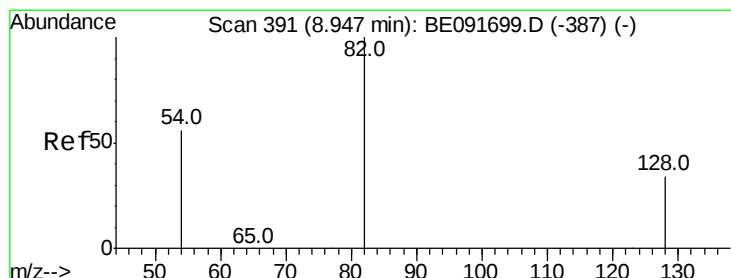
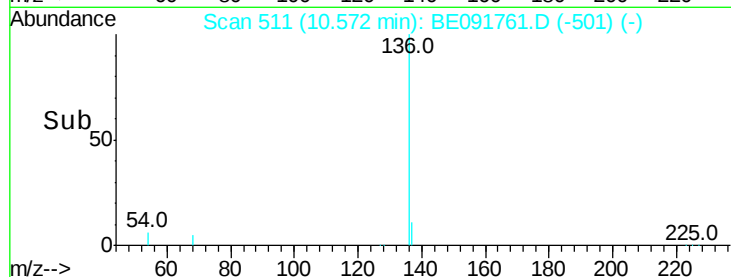
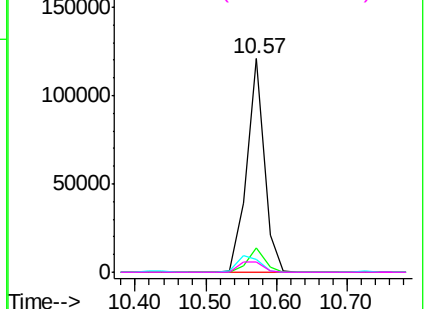


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.82 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

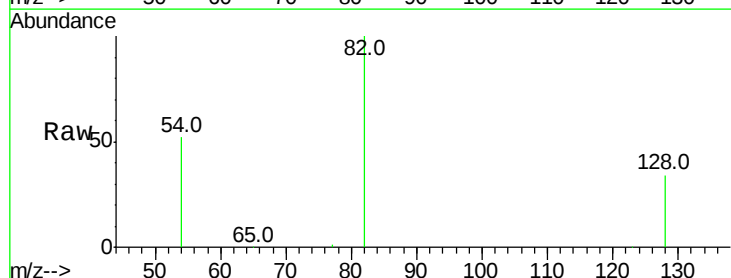
Tgt Ion: 82 Resp: 51981

Ion Ratio Lower Upper

82 100

128 34.2 25.4 38.0

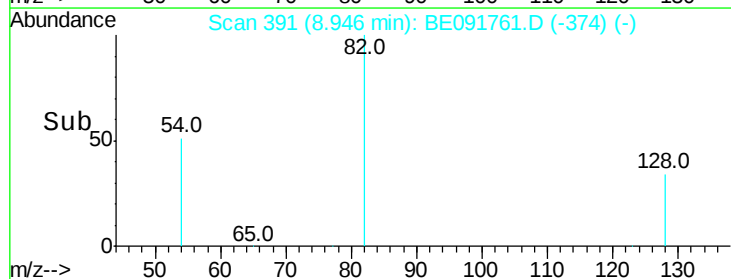
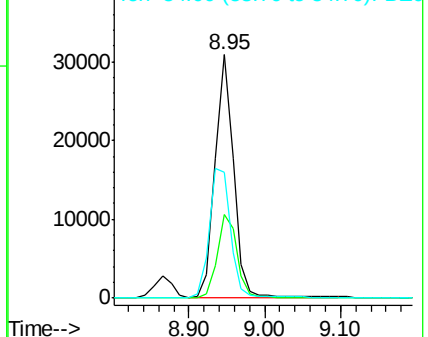
54 51.6 48.4 72.6

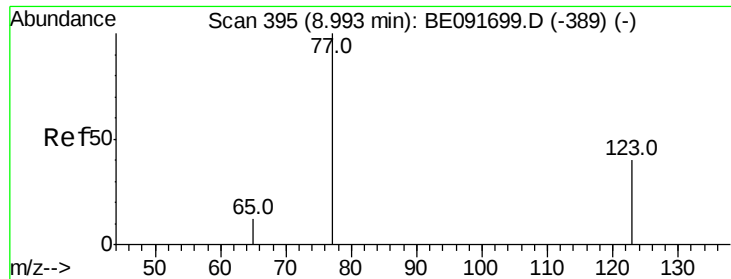


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.05 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

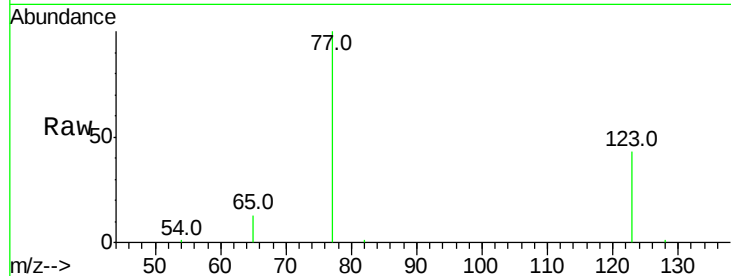
Tot Ion: 77 Resp: 57657

Ion Ratio Lower Upper

77 100

123 38.0 26.9 40.3

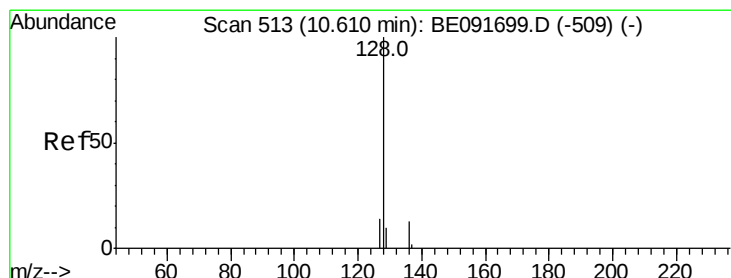
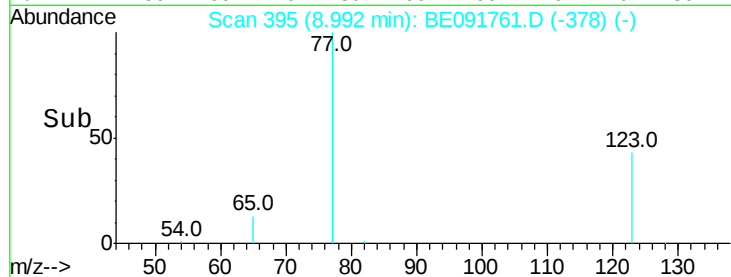
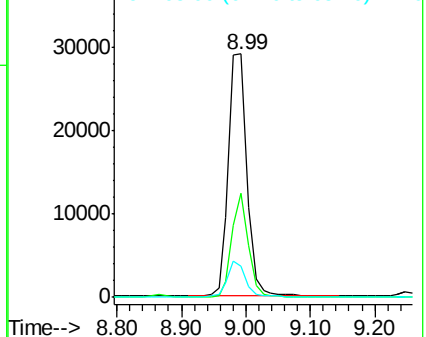
65 13.9 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091699.D (-389) (-)

Ion 123.00 (122.70 to 123.70): BE091699.D (-389) (-)

Ion 65.00 (64.70 to 65.70): BE091699.D (-389) (-)



#10

Naphthalene

Concen: 4.00 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

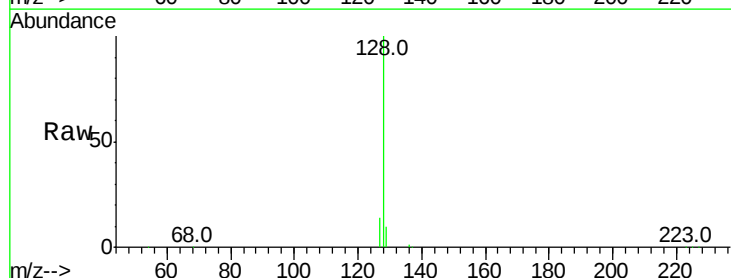
Tgt Ion: 128 Resp: 170314

Ion Ratio Lower Upper

128 100

129 10.4 9.3 13.9

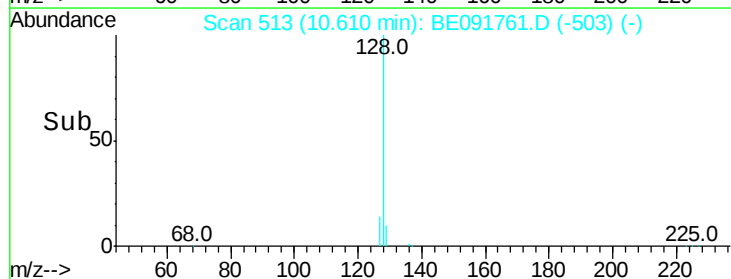
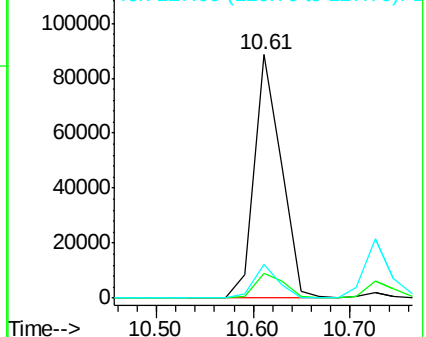
127 14.0 10.7 16.1

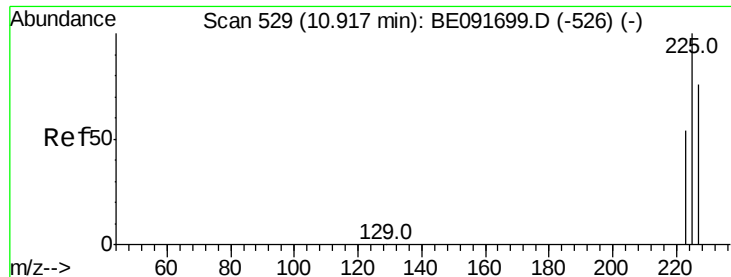


Abundance Ion 128.00 (127.70 to 128.70): BE091699.D (-509) (-)

Ion 129.00 (128.70 to 129.70): BE091699.D (-509) (-)

Ion 127.00 (126.70 to 127.70): BE091699.D (-509) (-)

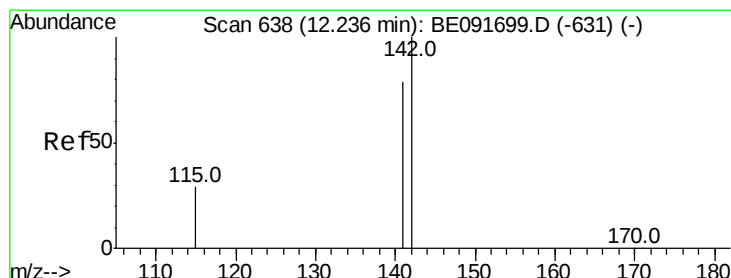
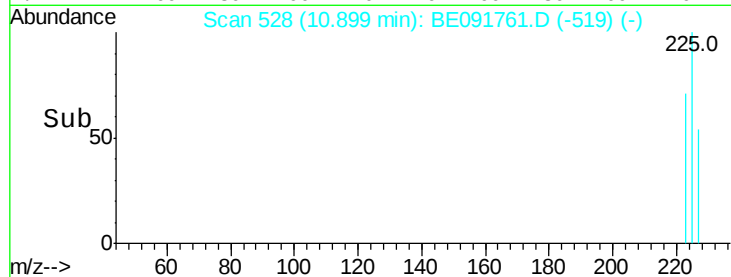
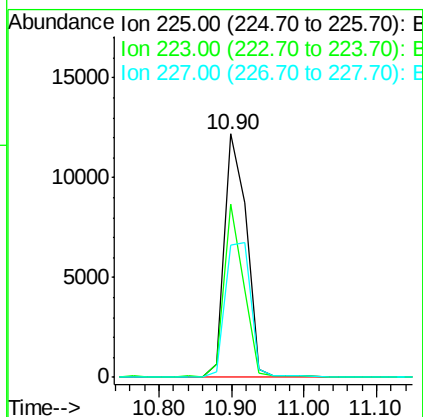
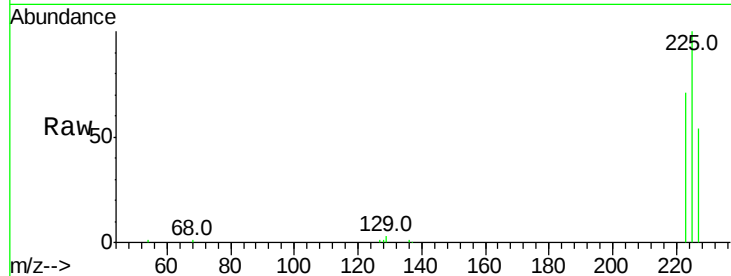




#11
Hexachlorobutadiene
Concen: 4.36 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

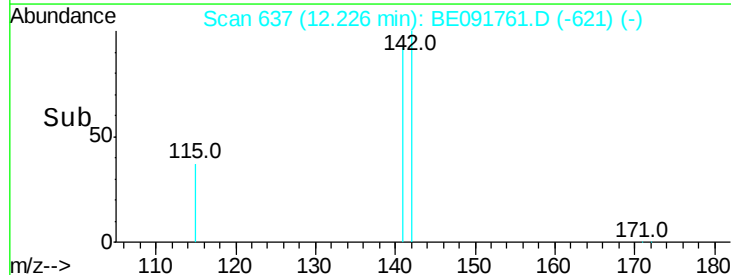
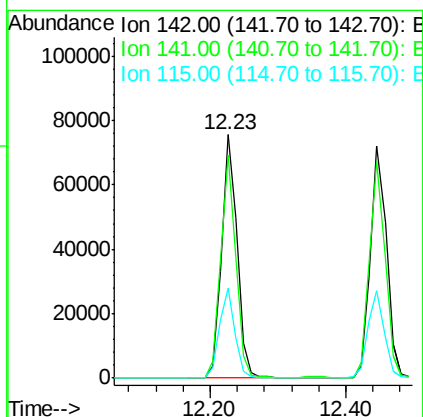
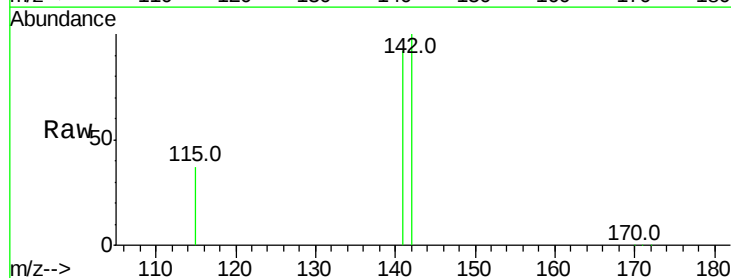
Instrument :
BNA_E
ClientSampleId :
PB90409BS

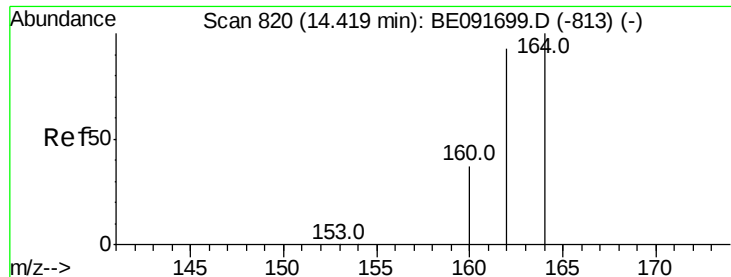
Tot Ion:225 Resp: 27415
Ion Ratio Lower Upper
225 100
223 63.6 49.0 73.6
227 64.3 50.3 75.5



#12
2-Methylnaphthalene
Concen: 4.48 ng
RT: 12.23 min Scan# 637
Delta R.T. -0.01 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

Tgt Ion:142 Resp: 122536
Ion Ratio Lower Upper
142 100
141 91.7 71.4 107.0
115 37.0 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

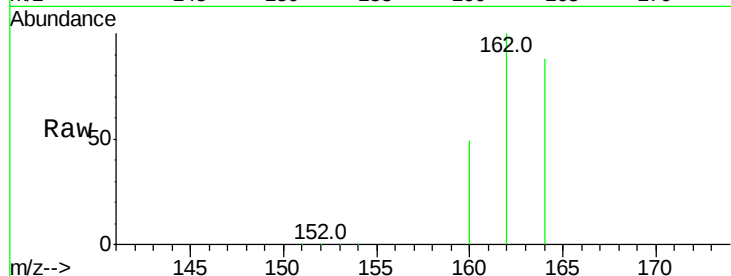
Tot Ion:164 Resp: 126100

Ion Ratio Lower Upper

164 100

162 114.0 85.3 127.9

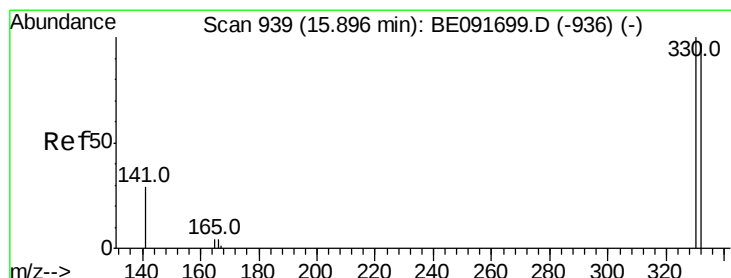
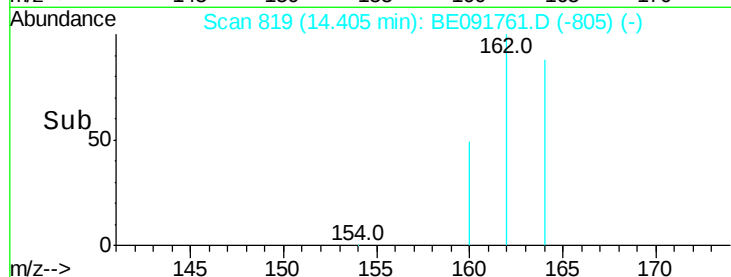
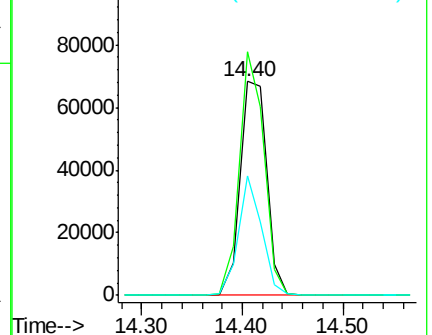
160 55.7 46.2 69.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 7.70 ng

RT: 15.90 min Scan# 939

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

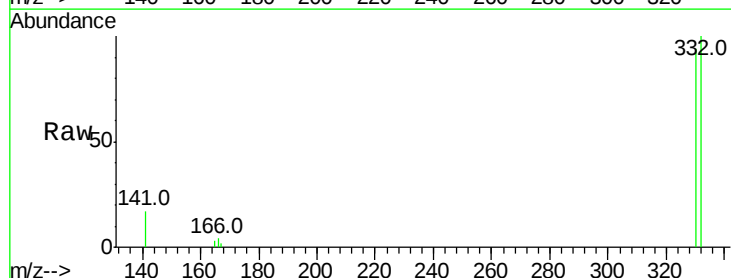
Tgt Ion:330 Resp: 36104

Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

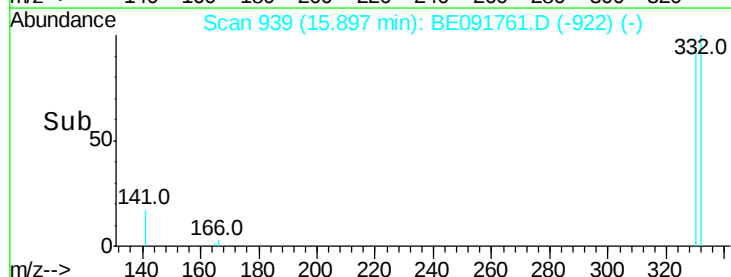
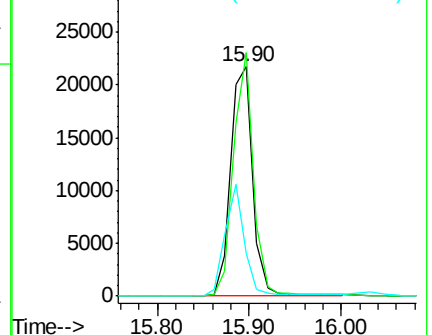
141 41.7 125.4 188.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

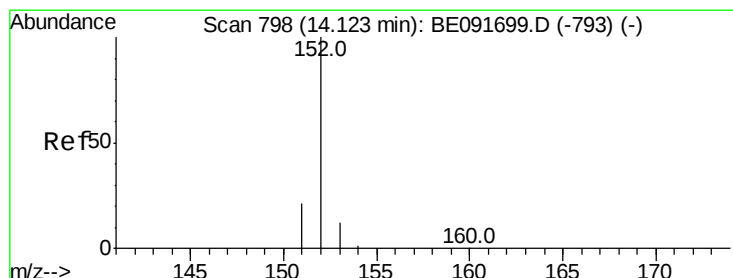
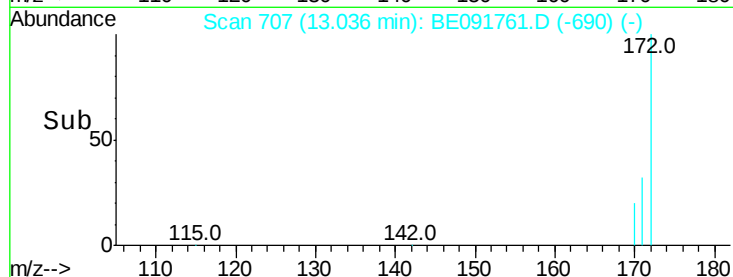
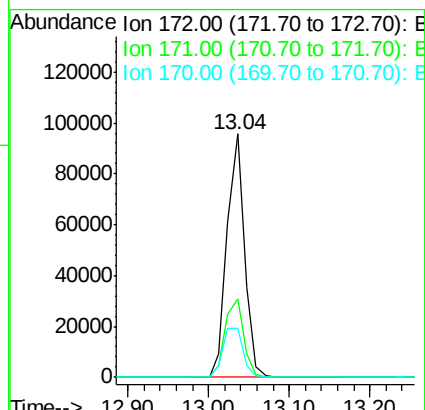
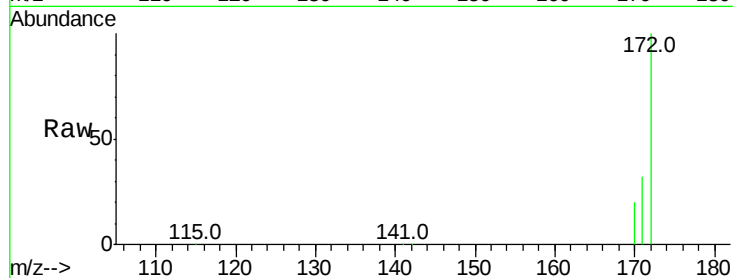




#15
2-Fluorobiphenyl
Concen: 4.01 ng
RT: 13.04 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

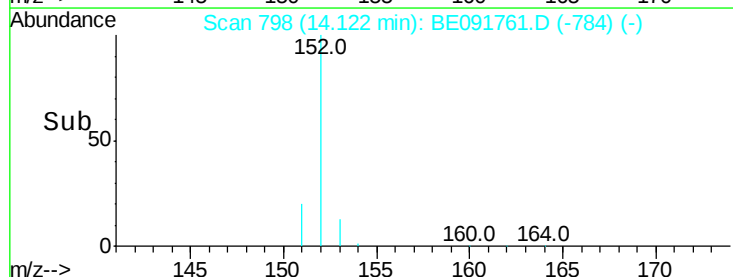
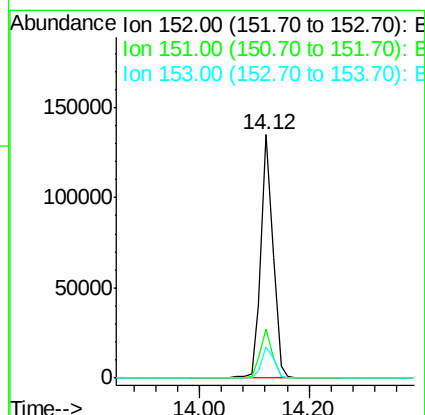
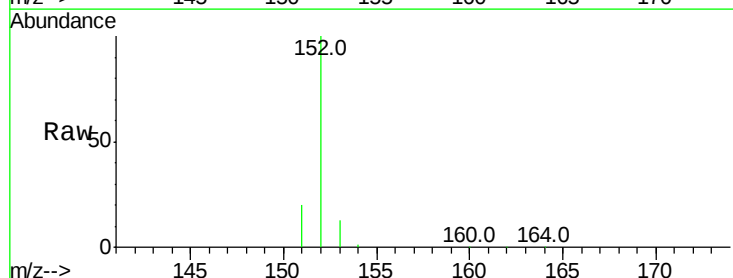
Instrument :
BNA_E
ClientSampleId :
PB90409BS

Tot Ion:172 Resp: 143144
Ion Ratio Lower Upper
172 100
171 32.0 28.8 43.2
170 19.9 19.3 28.9



#16
Acenaphthylene
Concen: 4.53 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

Tgt Ion:152 Resp: 219870
Ion Ratio Lower Upper
152 100
151 20.0 3.9 5.9#
153 13.5 10.3 15.5

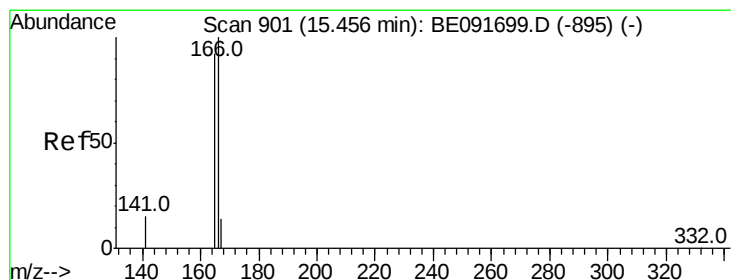
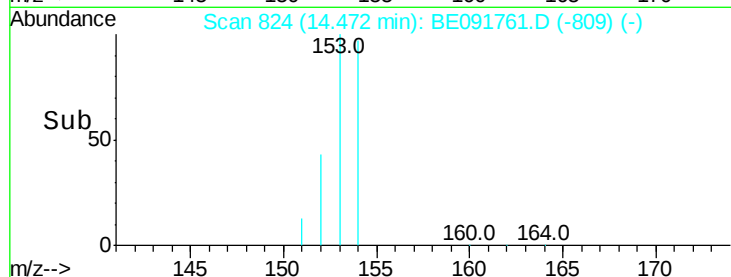
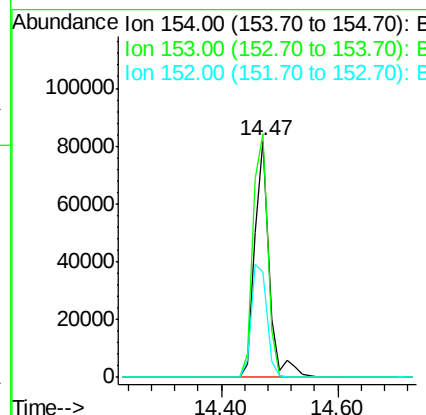
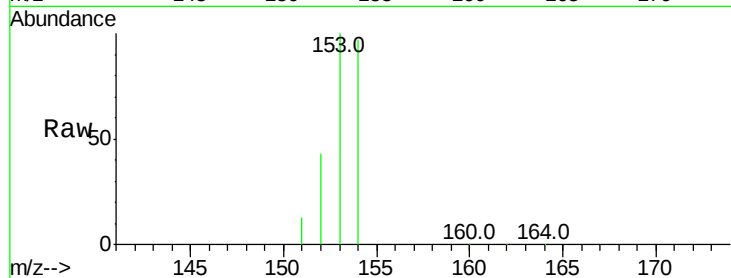




#17
Acenaphthene
Concen: 4.38 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

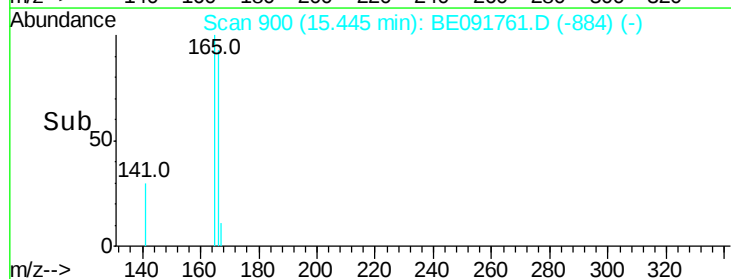
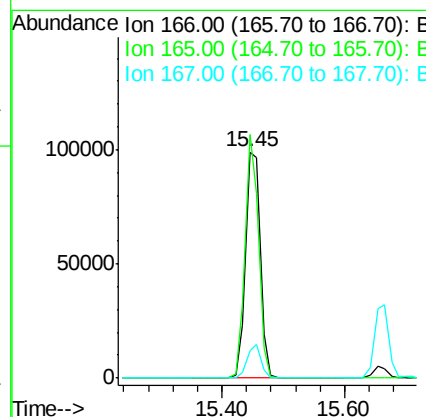
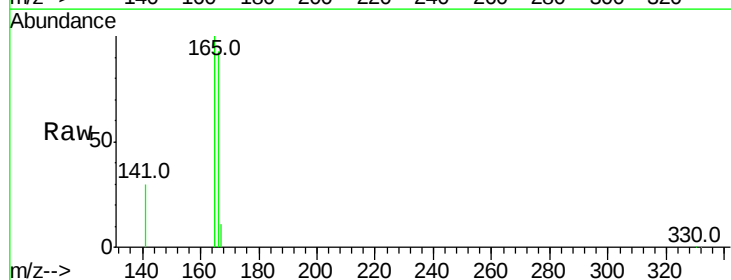
Instrument :
BNA_E
ClientSampleId :
PB90409BS

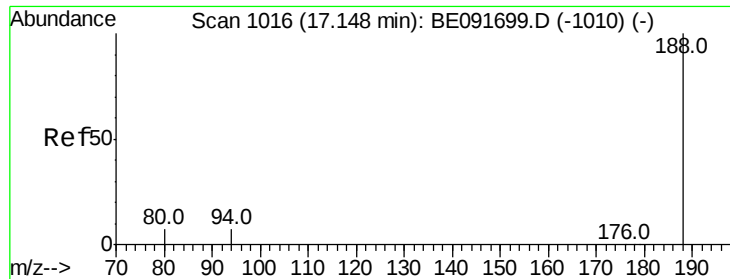
Tot Ion:154 Resp: 137770
Ion Ratio Lower Upper
154 100
153 104.6 80.0 120.0
152 51.4 40.0 60.0



#18
Fluorene
Concen: 4.30 ng
RT: 15.45 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

Tgt Ion:166 Resp: 167966
Ion Ratio Lower Upper
166 100
165 98.0 80.8 121.2
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

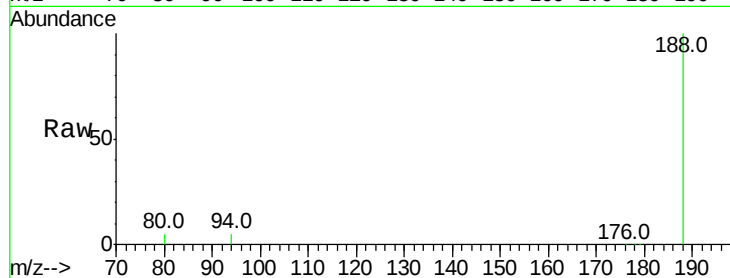
Tot Ion:188 Resp: 337783

Ion Ratio Lower Upper

188 100

94 5.4 8.7 13.1#

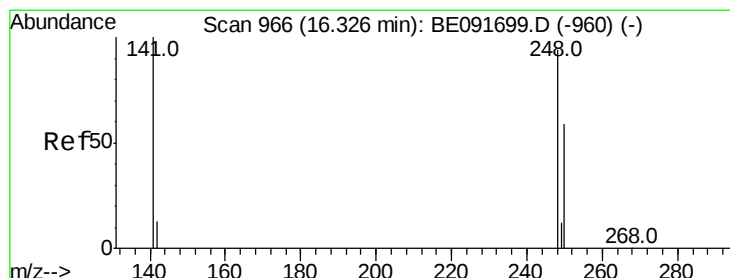
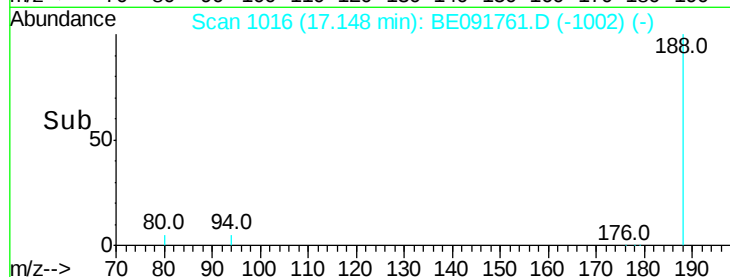
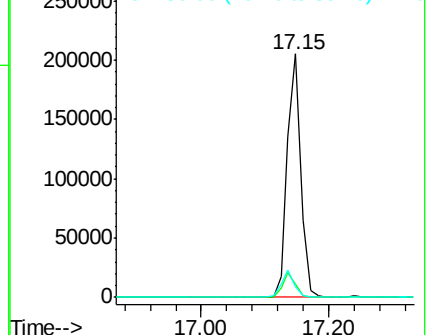
80 4.6 9.4 14.0#



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



#20

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 16.33 min Scan# 966

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

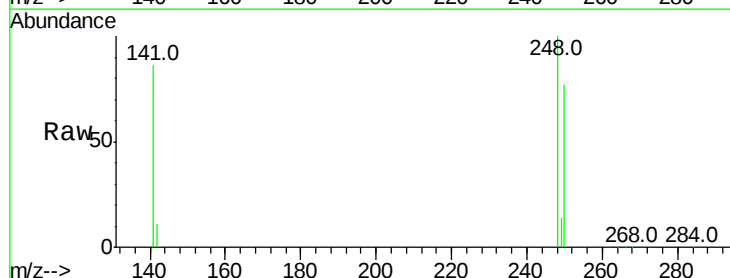
Tgt Ion:248 Resp: 48039

Ion Ratio Lower Upper

248 100

250 97.9 80.5 120.7

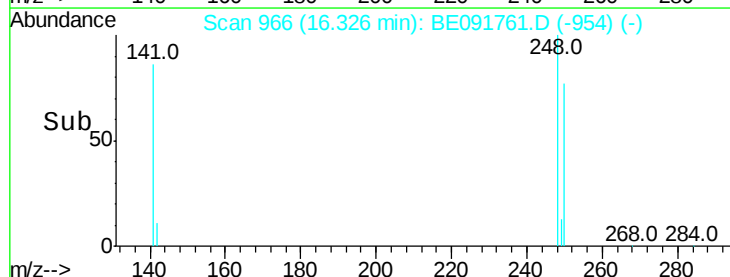
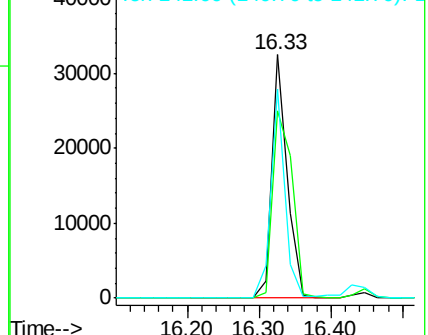
141 79.4 72.0 108.0

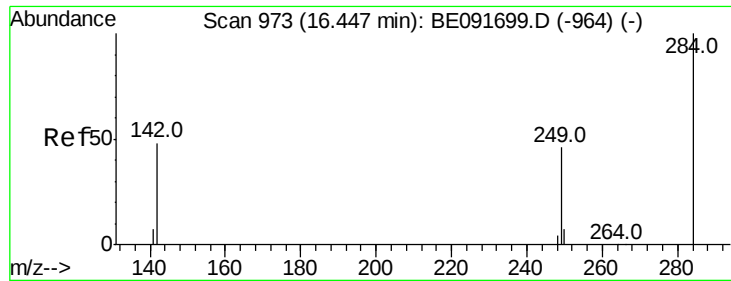


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

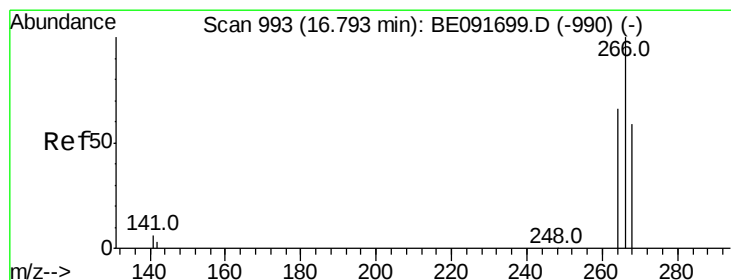
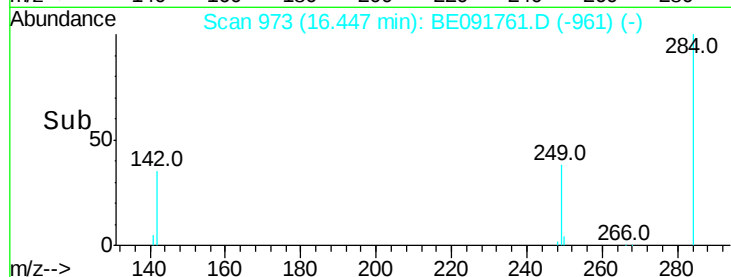
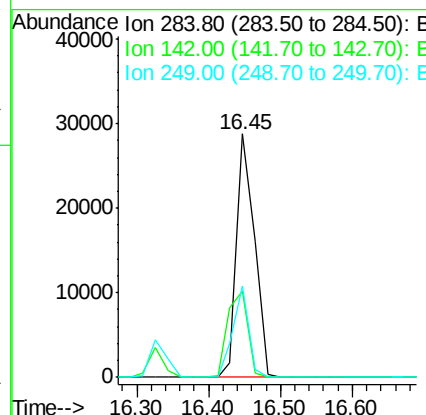
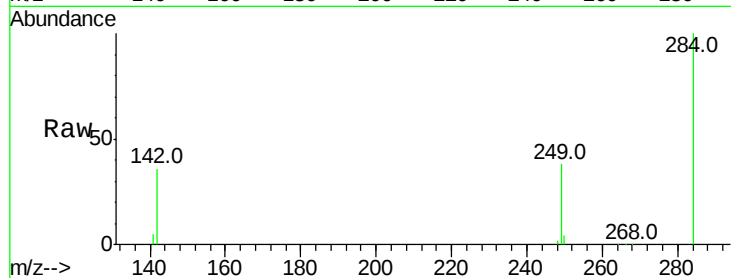




#21
Hexachlorobenzene
Concen: 4.00 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

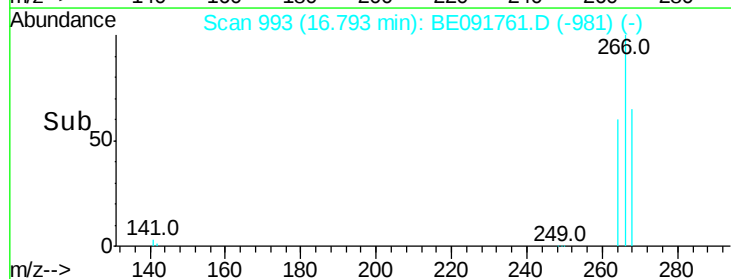
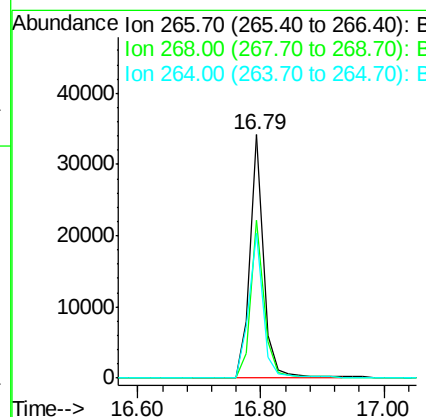
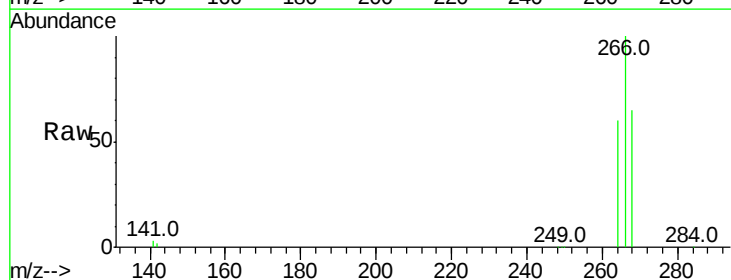
Instrument :
BNA_E
ClientSampleId :
PB90409BS

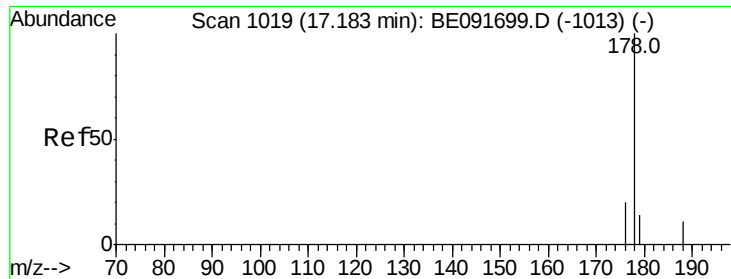
Tot Ion:284 Resp: 48611
Ion Ratio Lower Upper
284 100
142 40.4 32.2 48.2
249 33.4 25.4 38.2



#22
Pentachlorophenol
Concen: 8.06 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091761.D
Acq: 10 May 2016 18:02

Tgt Ion:266 Resp: 52945
Ion Ratio Lower Upper
266 100
268 64.9 58.2 87.2
264 59.8 56.2 84.4





#23

Phenanthrene

Concen: 3.83 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

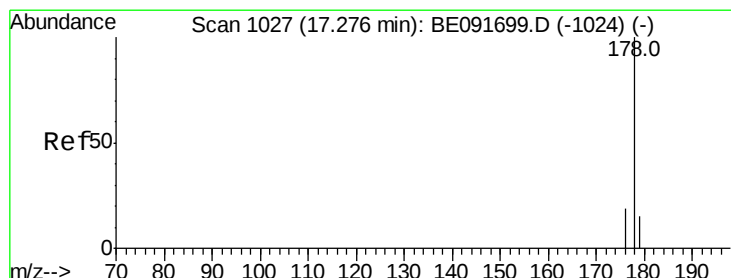
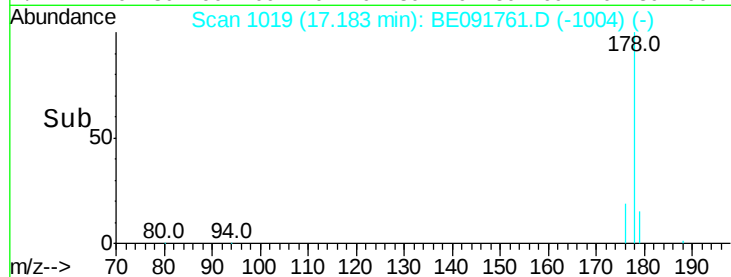
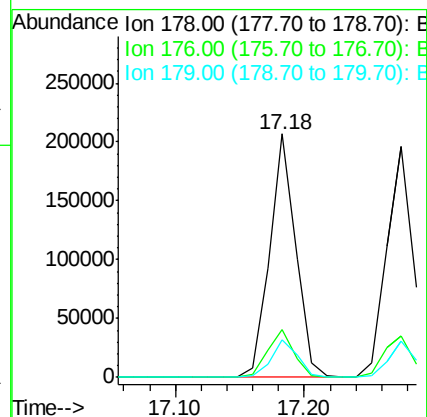
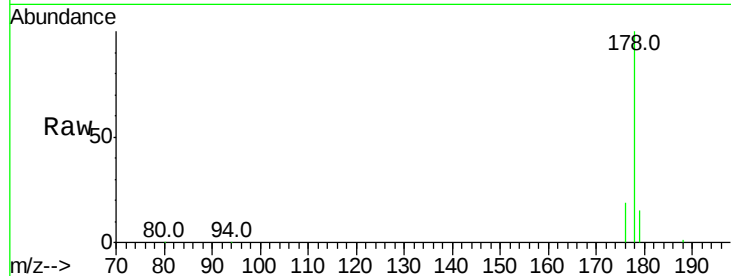
Tot Ion:178 Resp: 293742

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 15.5 12.6 18.8



#24

Anthracene

Concen: 4.14 ng

RT: 17.28 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

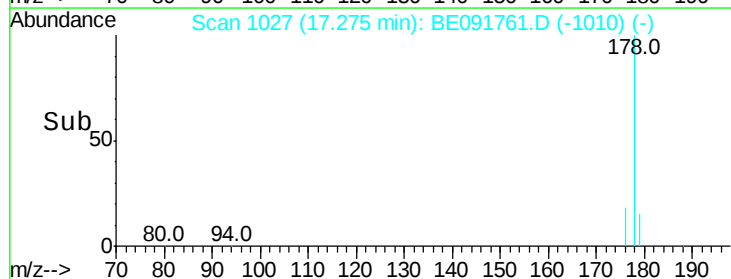
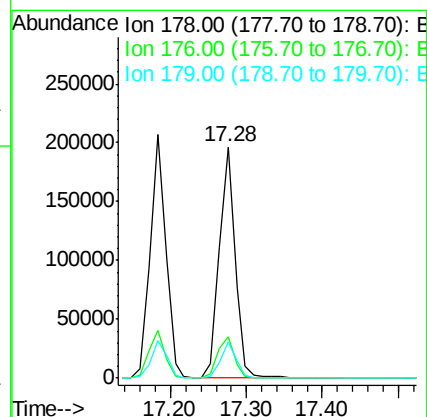
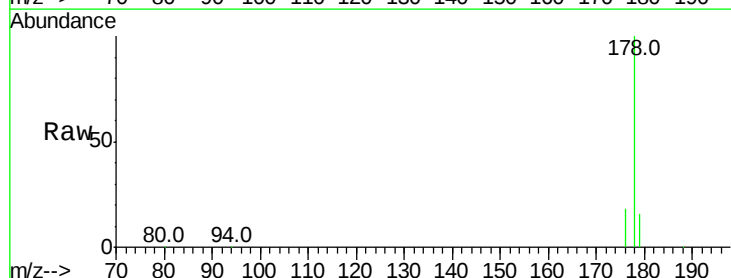
Tgt Ion:178 Resp: 286417

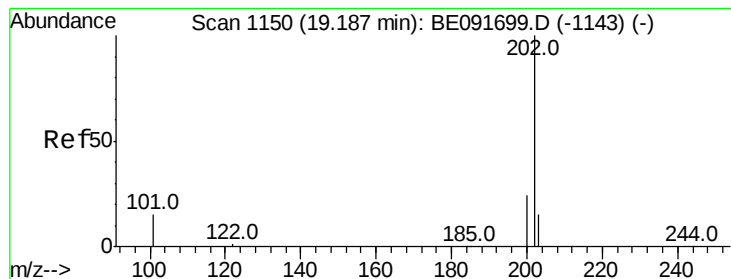
Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

179 15.2 11.8 17.6





#25

Fluoranthene

Concen: 4.10 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

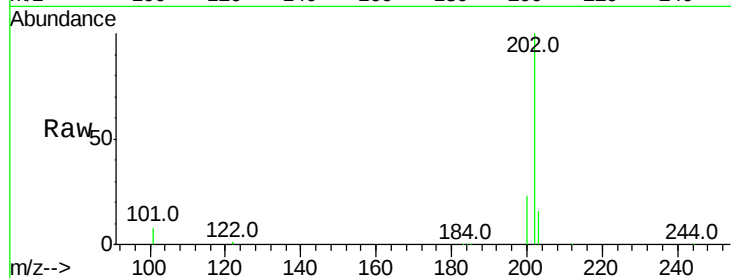
Tot Ion:202 Resp: 329300

Ion Ratio Lower Upper

202 100

101 10.7 11.0 16.6#

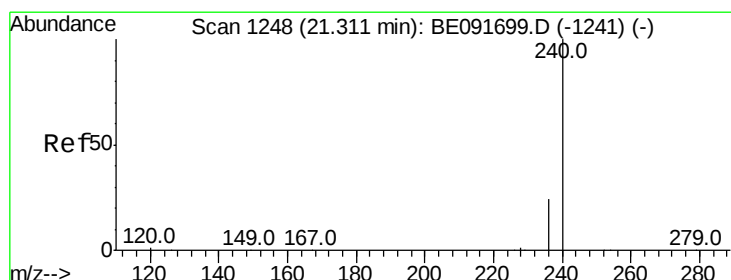
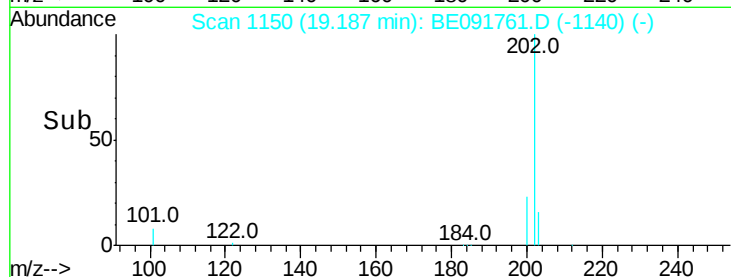
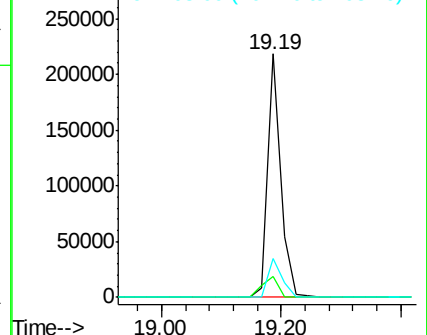
203 17.6 13.9 20.9



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# 1248

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

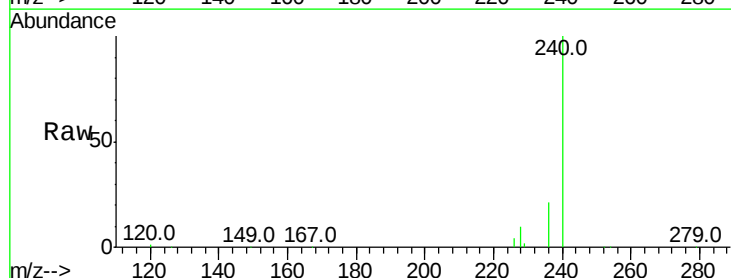
Tgt Ion:240 Resp: 301314

Ion Ratio Lower Upper

240 100

120 0.8 11.0 16.4#

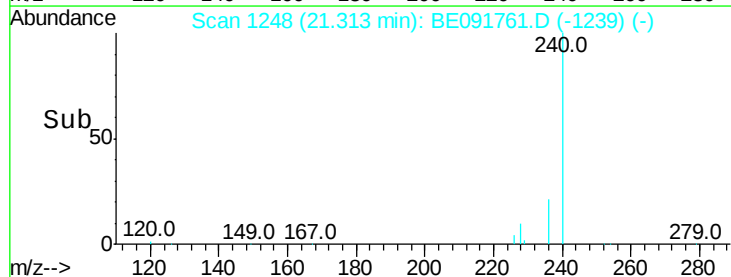
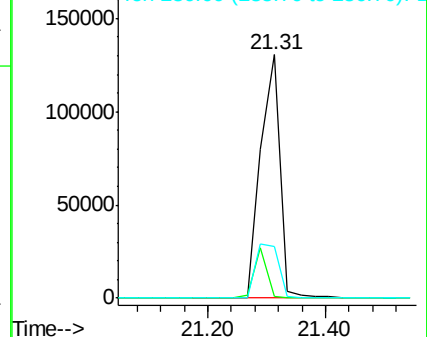
236 21.0 21.7 32.5#

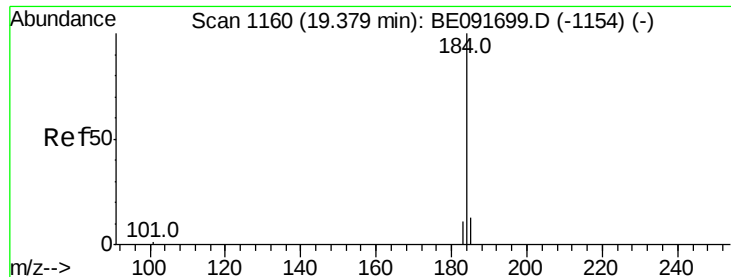


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 2.78 ng

RT: 19.38 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

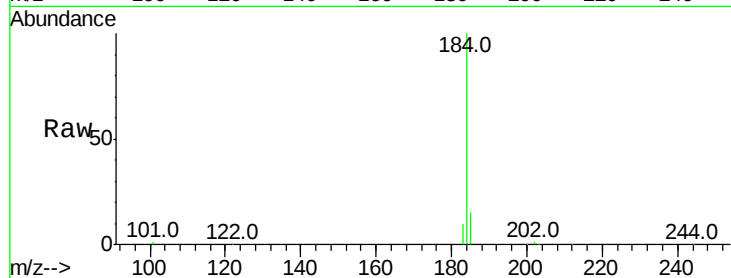
Tot Ion:184 Resp: 64613

Ion Ratio Lower Upper

184 100

185 14.9 22.3 33.5#

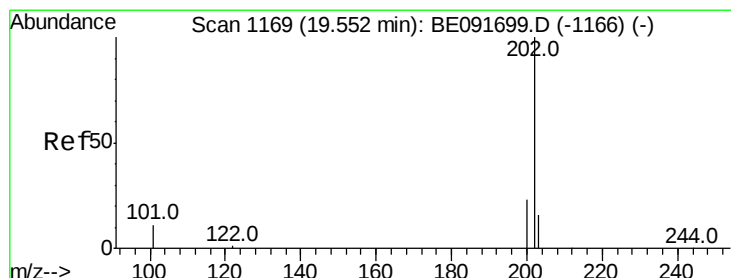
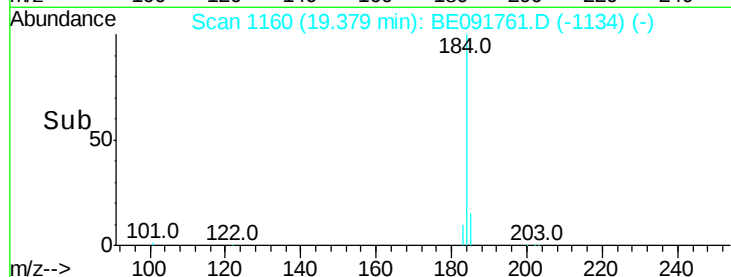
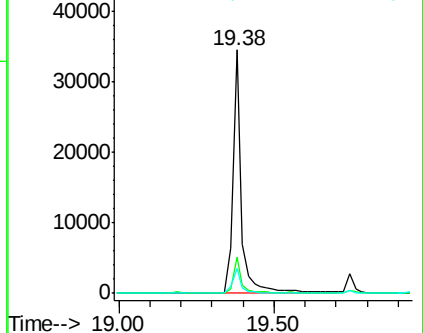
183 10.0 16.4 24.6#



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: 5.34 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

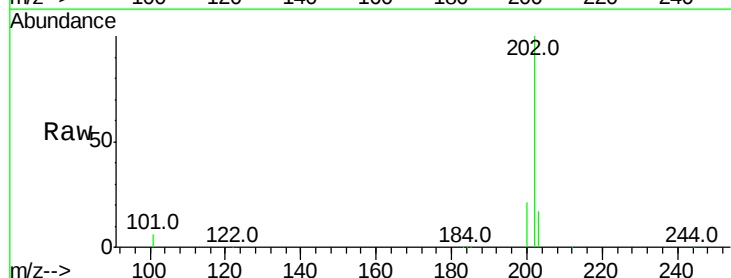
Tgt Ion:202 Resp: 363498

Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

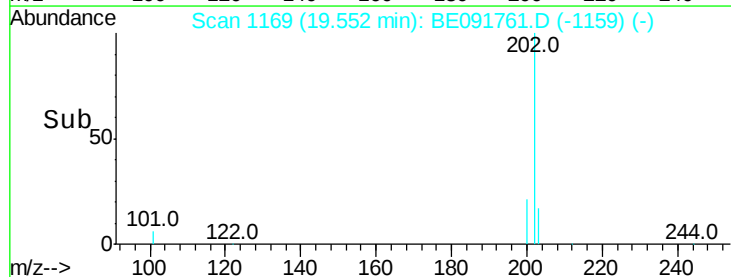
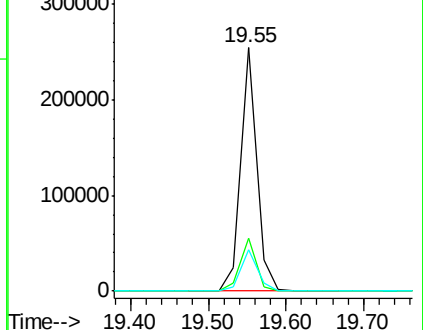
203 17.7 14.0 21.0

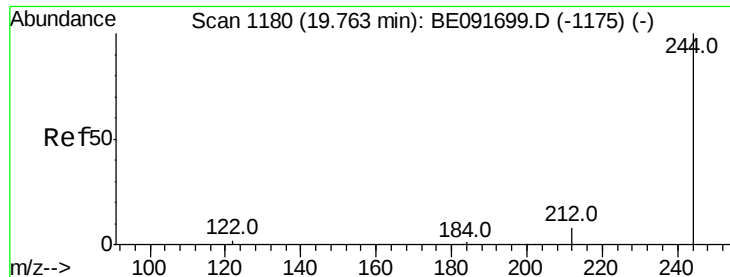


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.67 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

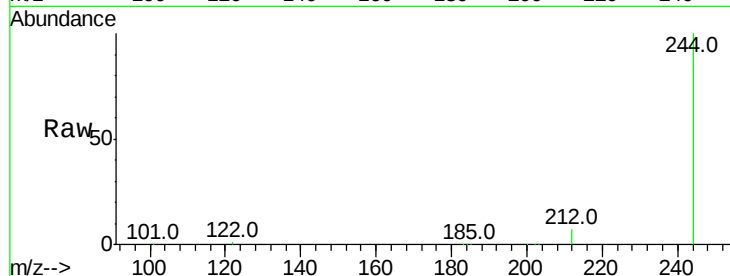
Tot Ion:244 Resp: 219593

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3#

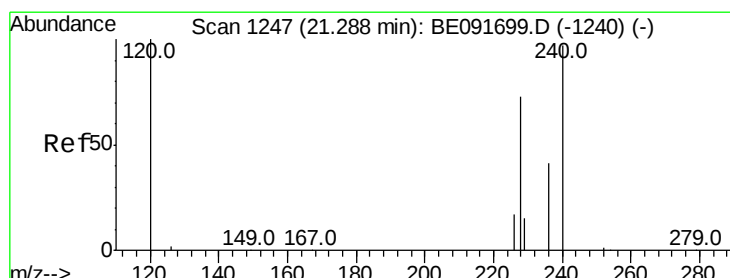
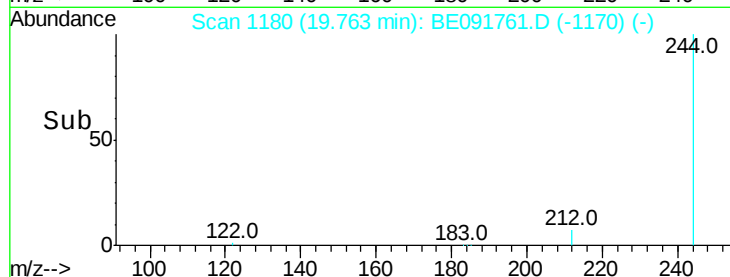
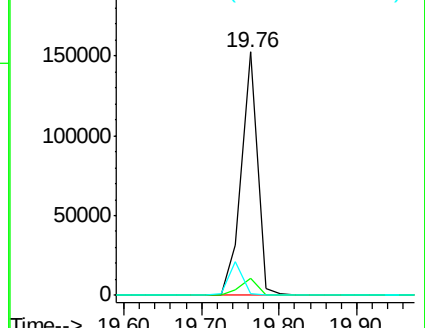
122 0.9 11.0 16.4#



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: 4.41 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

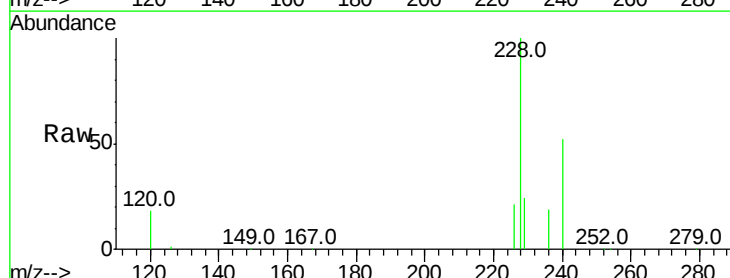
Tgt Ion:228 Resp: 324245

Ion Ratio Lower Upper

228 100

226 21.3 21.0 31.4

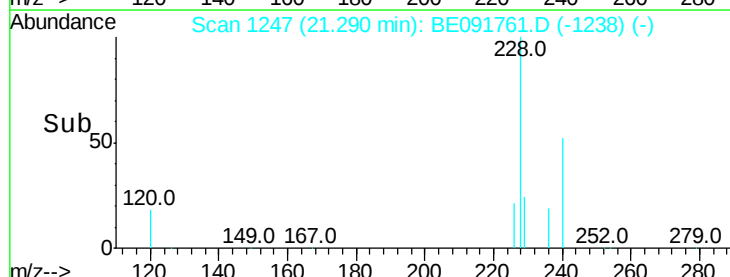
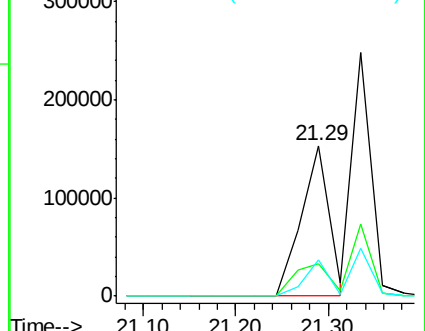
229 24.0 15.7 23.5#

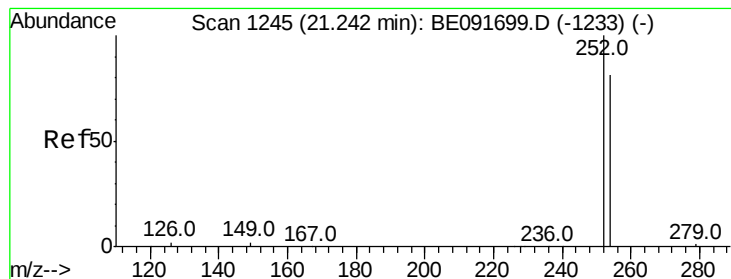


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.61 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

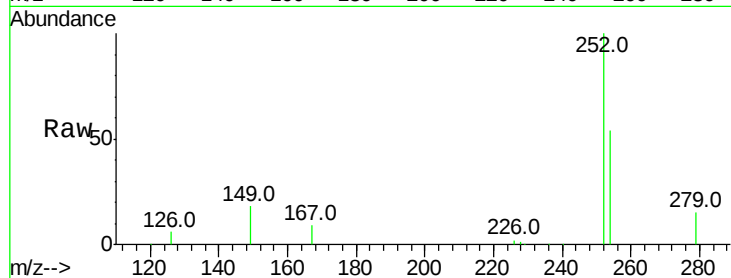
Tot Ion:252 Resp: 60369

Ion Ratio Lower Upper

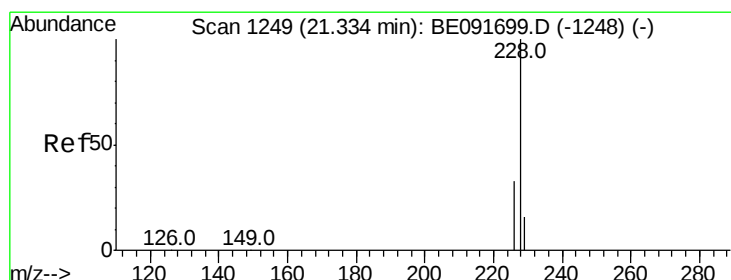
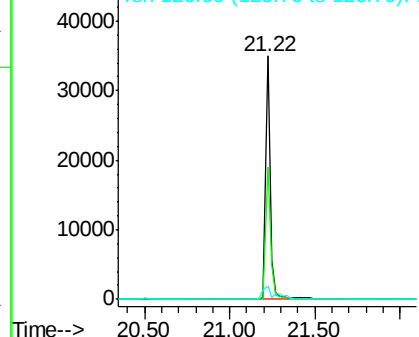
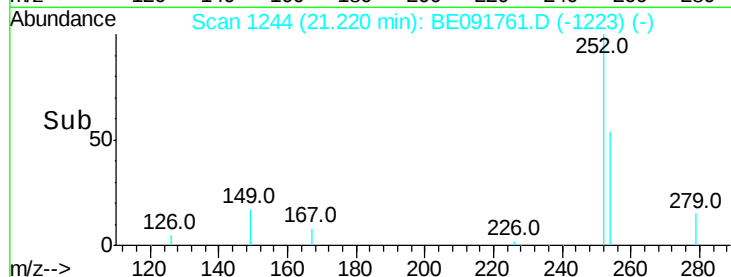
252 100

254 54.4 51.1 76.7

126 5.6 12.6 18.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 4.75 ng m

RT: 21.34 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

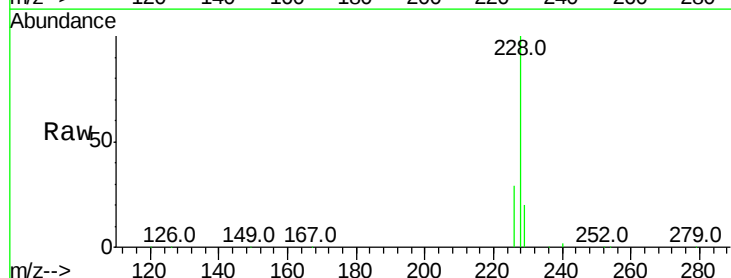
Tgt Ion:228 Resp: 363541

Ion Ratio Lower Upper

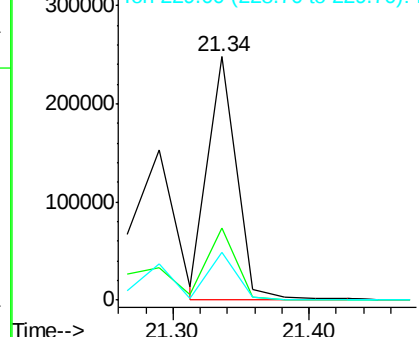
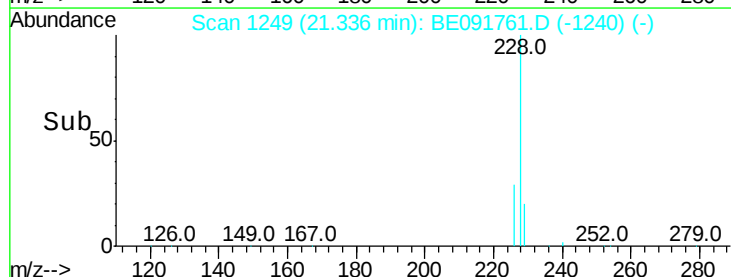
228 100

226 29.5 24.0 36.0

229 19.8 15.9 23.9



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

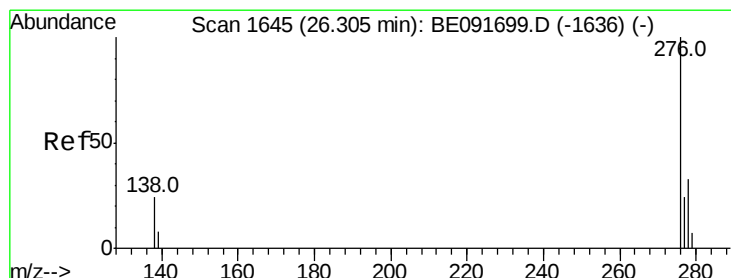
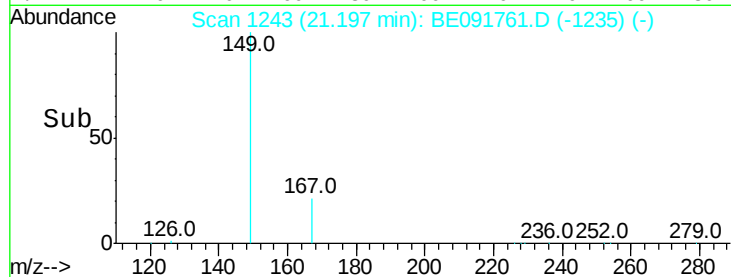
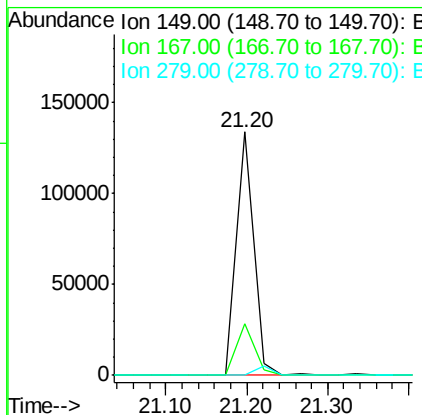
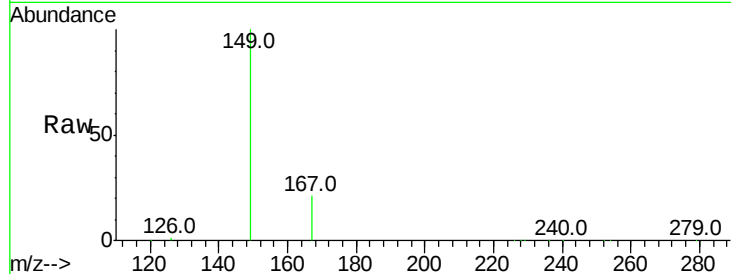




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 8.78 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091761.D
 Acq: 10 May 2016 18:02

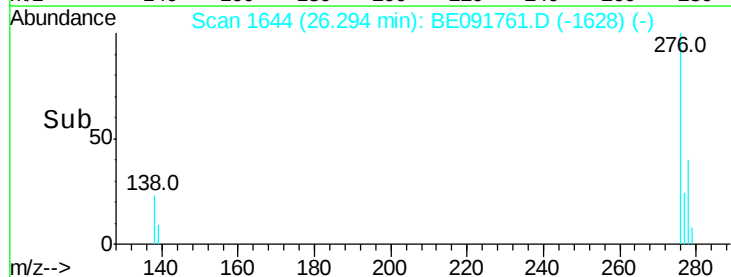
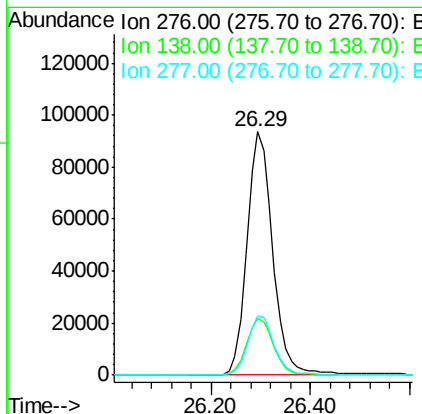
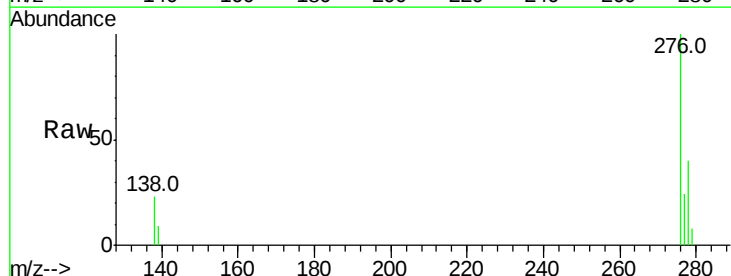
Instrument :
 BNA_E
 ClientSampleId :
 PB90409BS

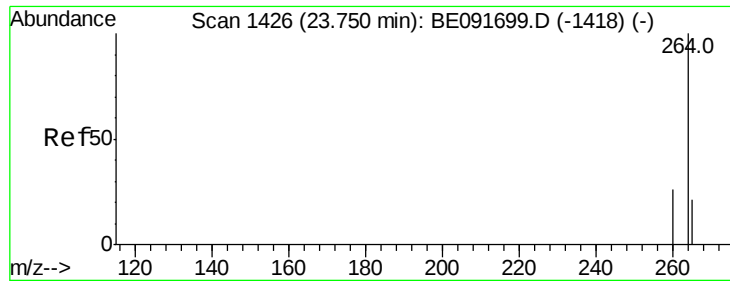
Tot Ion:149 Resp: 195793
 Ion Ratio Lower Upper
 149 100
 167 22.3 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.98 ng
 RT: 26.29 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE091761.D
 Acq: 10 May 2016 18:02

Tgt Ion:276 Resp: 339105
 Ion Ratio Lower Upper
 276 100
 138 24.5 23.4 35.2
 277 25.0 19.8 29.8

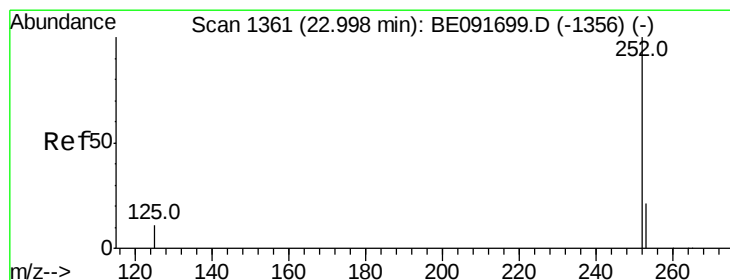
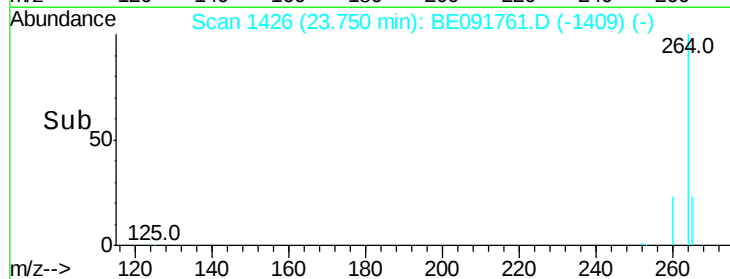
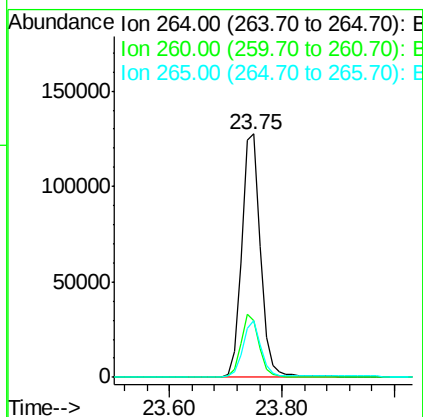
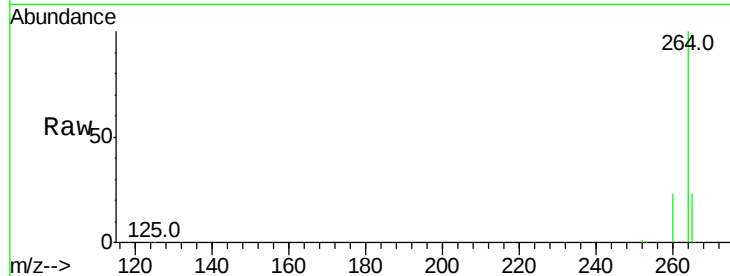




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE091761.D
 Acq: 10 May 2016 18:02

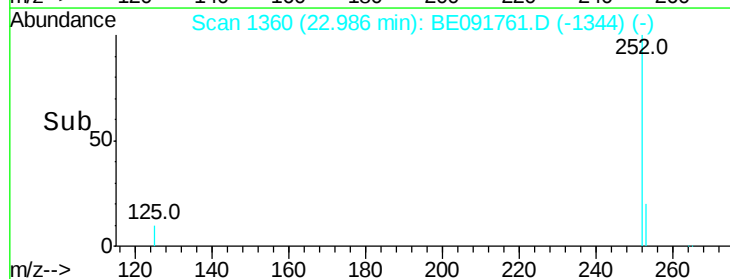
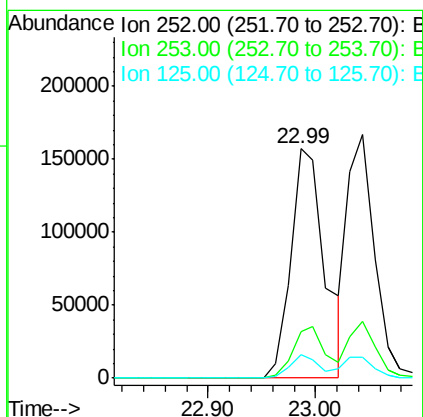
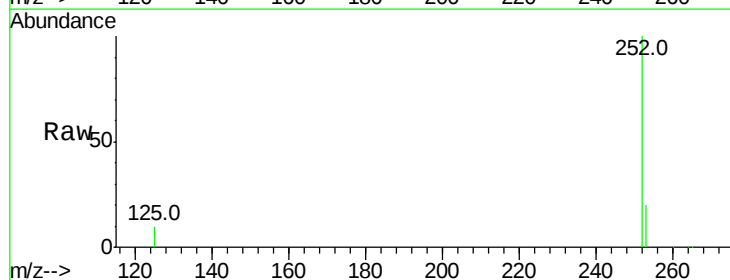
Instrument :
 BNA_E
 ClientSampleId :
 PB90409BS

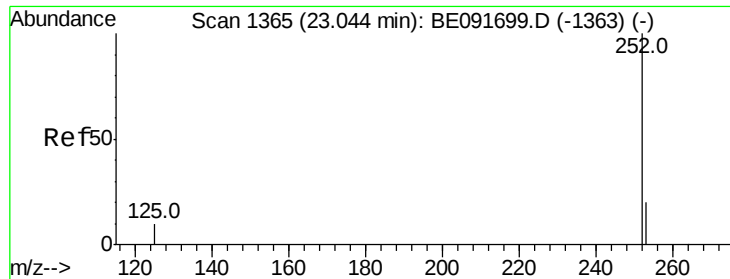
Tot Ion:264 Resp: 300478
 Ion Ratio Lower Upper
 264 100
 260 23.1 20.0 30.0
 265 23.1 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 4.91 ng
 RT: 22.99 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BE091761.D
 Acq: 10 May 2016 18:02

Tgt Ion:252 Resp: 345777
 Ion Ratio Lower Upper
 252 100
 253 20.4 17.4 26.0
 125 10.2 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 4.18 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

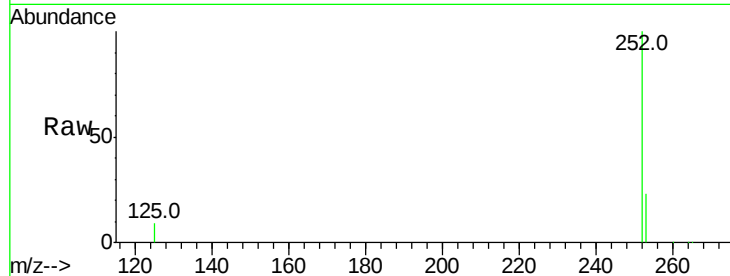
Tot Ion:252 Resp: 299040

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

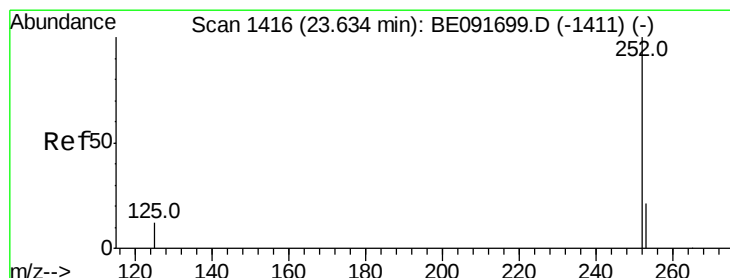
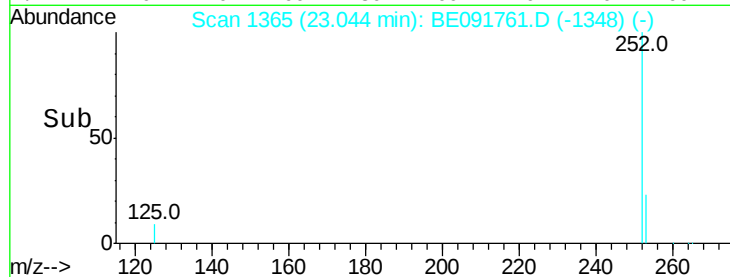
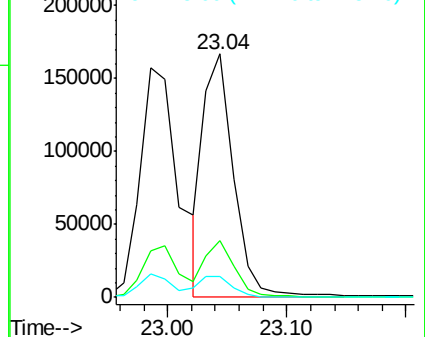
125 8.8 9.9 14.9#



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: 4.54 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

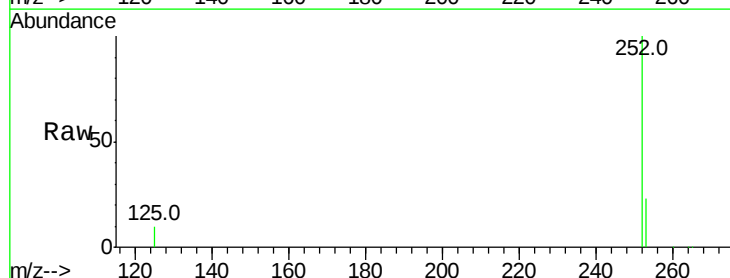
Tgt Ion:252 Resp: 300776

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

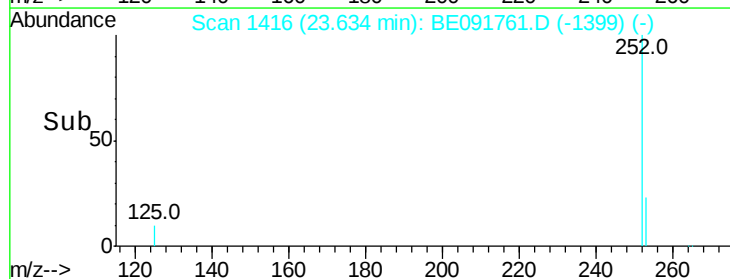
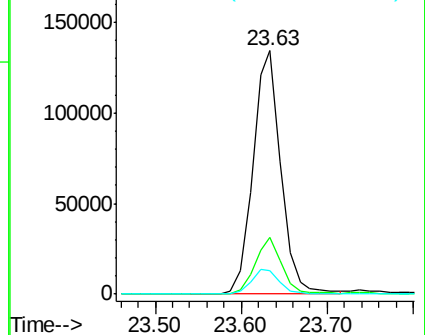
125 9.8 11.0 16.4#



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: 4.54 ng

RT: 26.32 min Scan# 1646

Delta R.T. -0.02 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

Instrument :

BNA_E

ClientSampleId :

PB90409BS

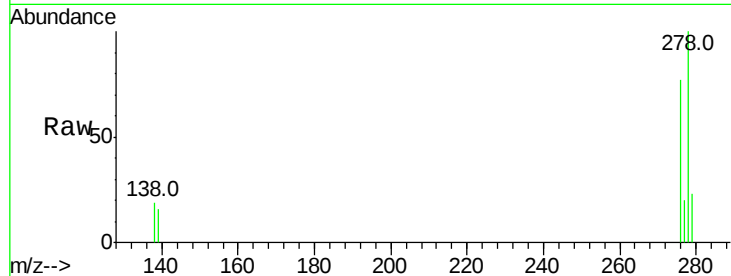
Tot Ion:278 Resp: 285305

Ion Ratio Lower Upper

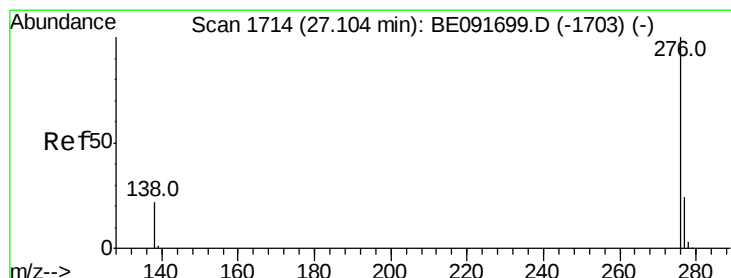
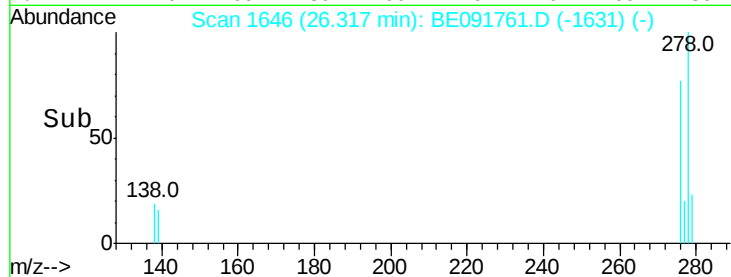
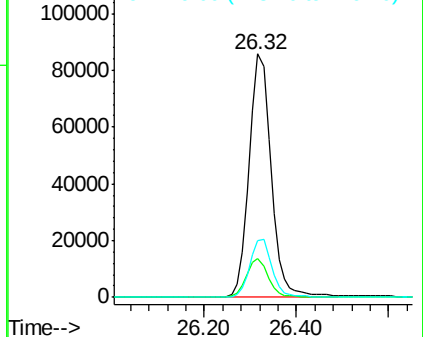
278 100

139 16.0 16.0 24.0

279 23.3 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: 4.51 ng

RT: 27.08 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE091761.D

Acq: 10 May 2016 18:02

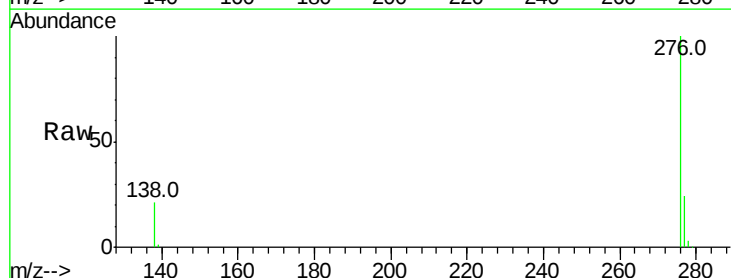
Tgt Ion:276 Resp: 287879

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 21.1 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

