

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
 Data File : BE091714.D
 Acq On : 26 Apr 2016 21:15
 Operator : UM/SJ
 Sample : PB900018BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90018BS

Quant Time: Apr 27 00:50:11 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	26372	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	122060	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	73065	5.00	ng	0.00
19) Phenanthrene-d10	17.14	188	174556	5.00	ng	0.00
26) Chrysene-d12	21.31	240	205519	5.00	ng	0.00
35) Perylene-d12	23.75	264	185888	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	41921	6.47	ng	0.00
5) Phenol-d6	6.96	99	56925	6.63	ng	0.00
8) Nitrobenzene-d5	8.95	82	26265	3.33	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	17066	6.31	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	67665	3.27	ng	0.00
29) Terphenyl-d14	19.76	244	107623	3.36	ng	0.00

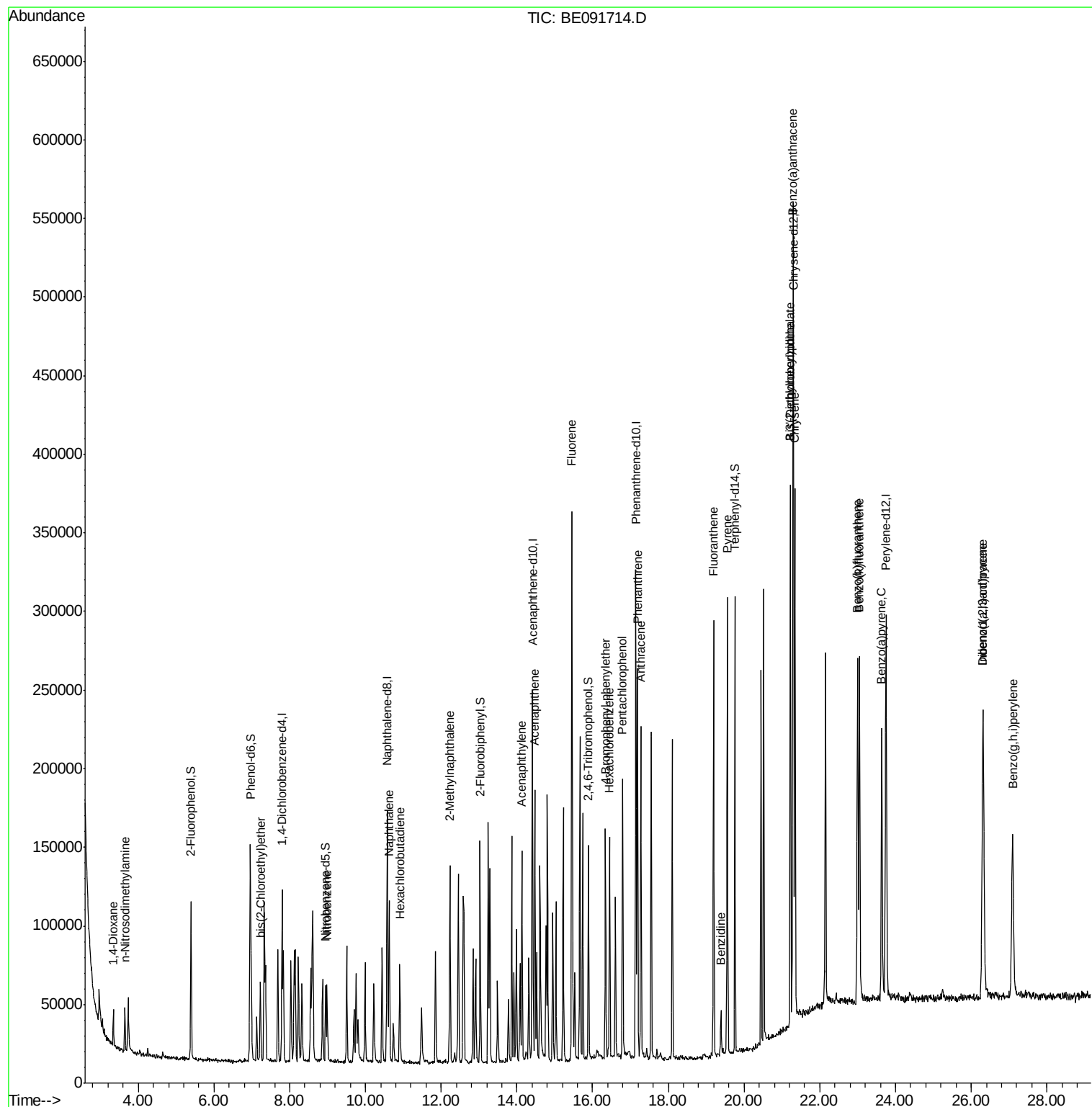
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	9640	3.11	ng	# 95
3) n-Nitrosodimethylamine	3.65	42	14404	3.01	ng	# 97
6) bis(2-Chloroethyl)ether	7.22	93	26650	3.53	ng	# 81
9) Nitrobenzene	8.99	77	27839	3.38	ng	# 93
10) Naphthalene	10.63	128	81921	3.32	ng	98
11) Hexachlorobutadiene	10.91	225	12217	3.36	ng	97
12) 2-Methylnaphthalene	12.23	142	55625	3.51	ng	90
16) Acenaphthylene	14.13	152	92246	3.28	ng	# 87
17) Acenaphthene	14.47	154	58343	3.20	ng	87
18) Fluorene	15.45	166	78825	3.48	ng	99
20) 4-Bromophenyl-phenylether	16.34	248	20235	3.22	ng	96
21) Hexachlorobenzene	16.45	284	22200	3.54	ng	# 87
22) Pentachlorophenol	16.80	266	25112	7.41	ng	85
23) Phenanthrene	17.18	178	138953	3.50	ng	98
24) Anthracene	17.27	178	127904	3.58	ng	99
25) Fluoranthene	19.19	202	151539	3.65	ng	99
27) Benzidine	19.39	184	18399	1.26	ng	# 76
28) Pyrene	19.56	202	168394	3.63	ng	99
30) Benzo(a)anthracene	21.29	228	165190	3.29	ng	98
31) 3,3'-Dichlorobenzidine	21.23	252	26983	1.05	ng	93
32) Chrysene	21.34	228	158985	3.05	ng	98
33) Bis(2-ethylhexyl)phthalate	21.22	149	82713	5.44	ng	# 89
34) Indeno(1,2,3-cd)pyrene	26.30	276	156017	3.36	ng	98
36) Benzo(b)fluoranthene	23.00	252	152322	3.50	ng	99
37) Benzo(k)fluoranthene	23.05	252	152904	3.45	ng	97
38) Benzo(a)pyrene	23.63	252	136997	3.34	ng	98
39) Dibenzo(a,h)anthracene	26.32	278	133811	3.44	ng	97
40) Benzo(g,h,i)perylene	27.09	276	131950	3.34	ng	98

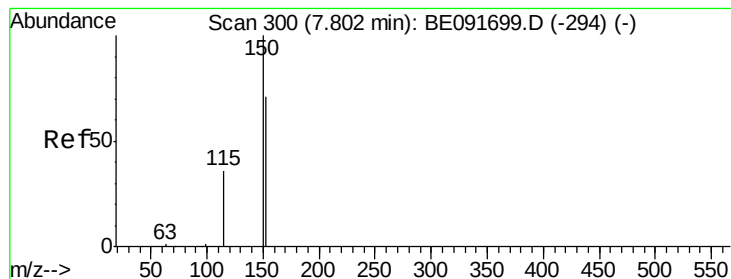
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 887

Delta R.T. -0.00 min

Lab File: BE091714.D

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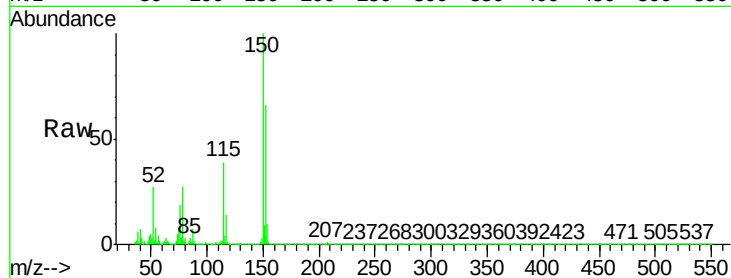
Tgt Ion:152 Resp: 26372

Ion Ratio Lower Upper

152 100

150 152.0 122.6 183.8

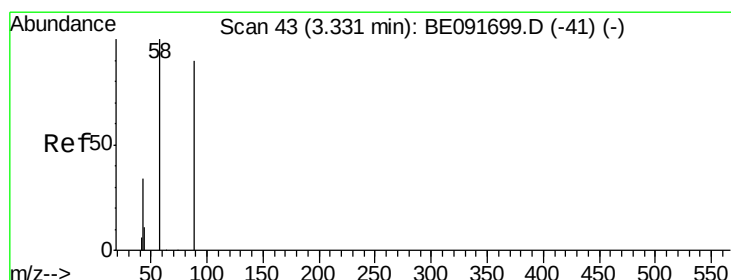
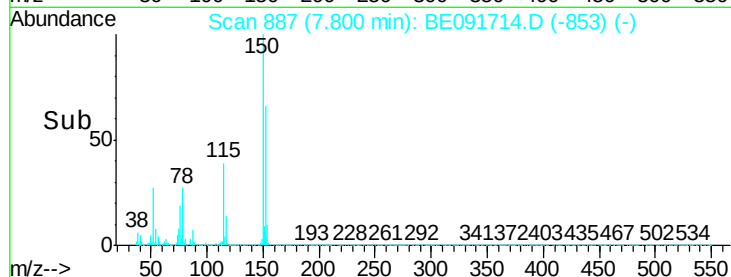
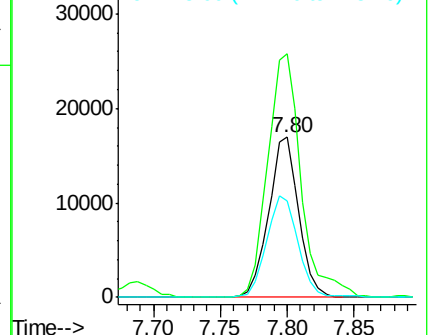
115 59.9 52.8 79.2



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: 3.11 ng

RT: 3.34 min Scan# 128

Delta R.T. 0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

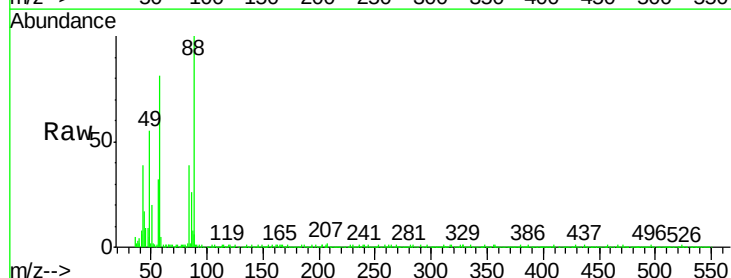
Tgt Ion: 88 Resp: 9640

Ion Ratio Lower Upper

88 100

58 83.6 65.8 98.6

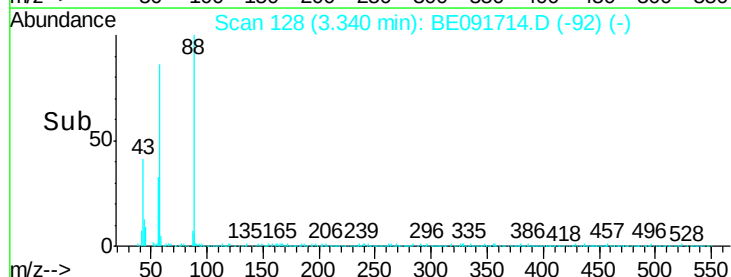
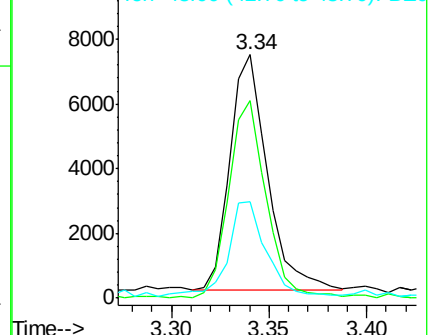
43 40.1 25.3 37.9#

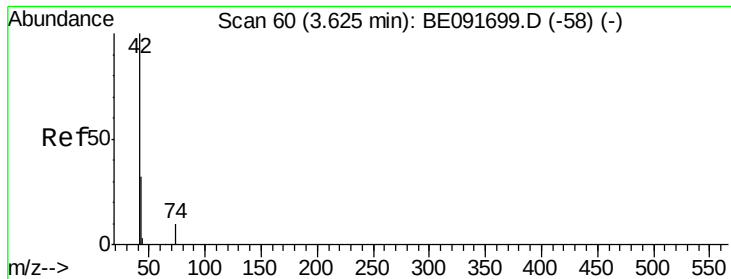


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.01 ng

RT: 3.65 min Scan# 180

Delta R.T. 0.02 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

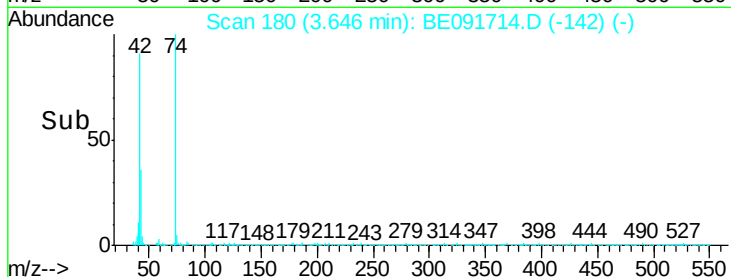
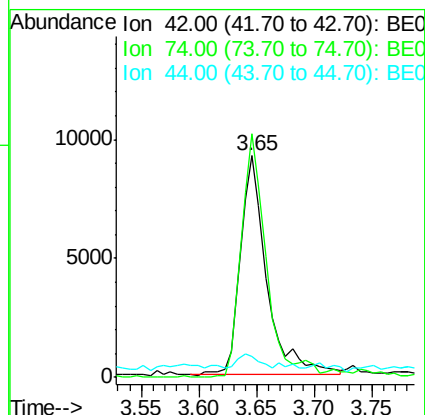
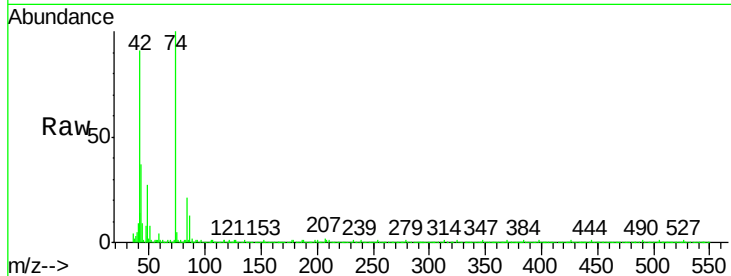
Instrument :

BNA_E

ClientSampleId :

PB90018BS

Tgt Ion:	42	Resp:	14404
Ion	Ratio	Lower	Upper
42	100		
74	107.7	87.9	131.9
44	5.2	6.6	9.8#



#4

2-Fluorophenol

Concen: 6.47 ng

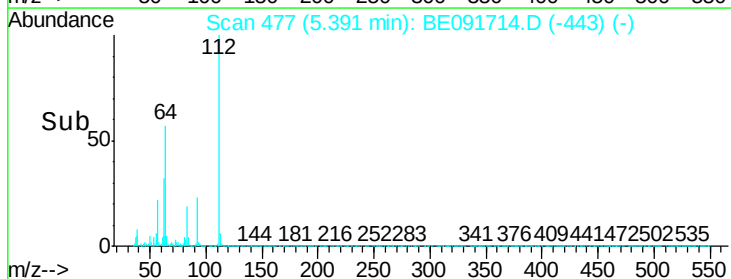
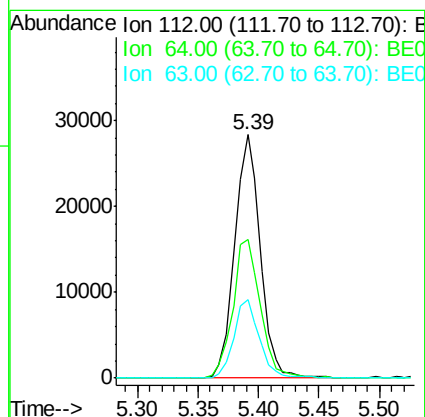
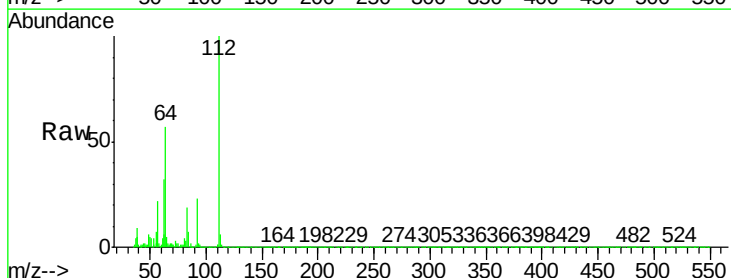
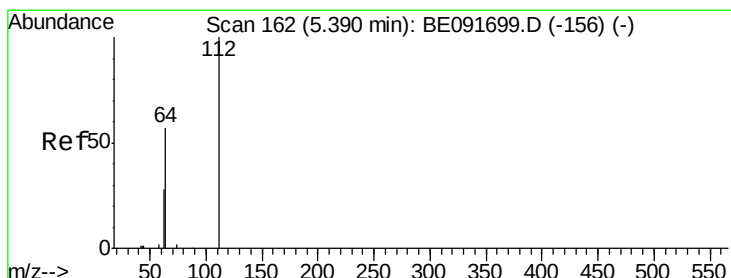
RT: 5.39 min Scan# 477

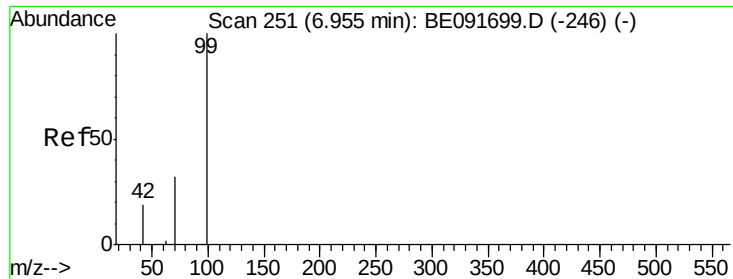
Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Tgt Ion:	112	Resp:	41921
Ion	Ratio	Lower	Upper
112	100		
64	60.5	30.9	46.3#
63	31.9	16.7	25.1#





#5

Phenol-d6

Concen: 6.63 ng

RT: 6.96 min Scan# 744

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

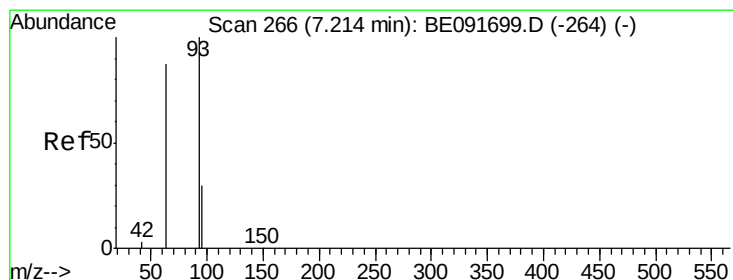
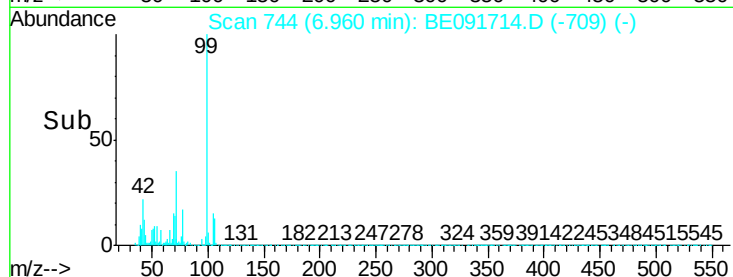
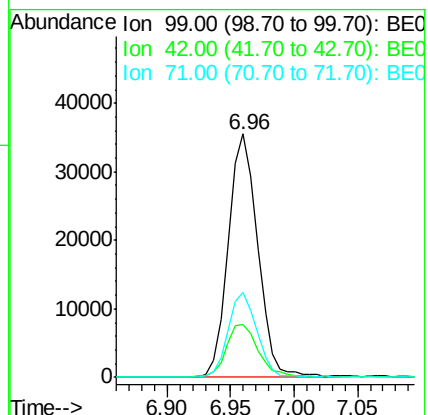
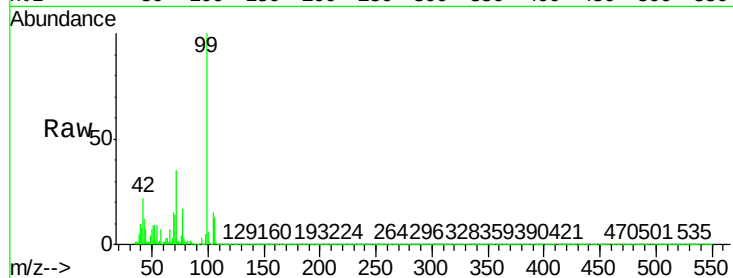
Tgt Ion: 99 Resp: 56925

Ion Ratio Lower Upper

99 100

42 23.6 16.2 24.2

71 34.1 29.0 43.4



#6

bis(2-Chloroethyl)ether

Concen: 3.53 ng

RT: 7.22 min Scan# 789

Delta R.T. 0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

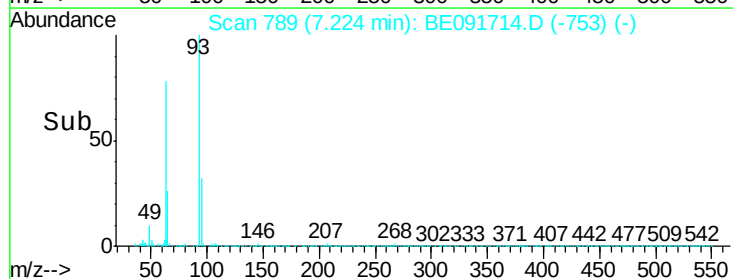
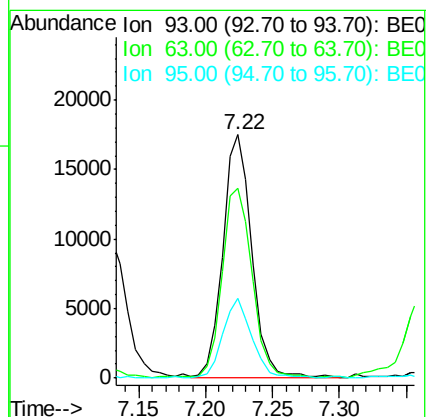
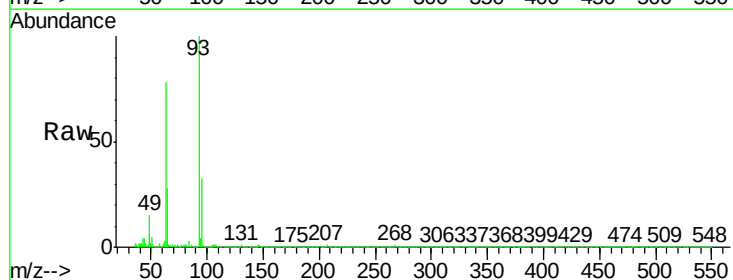
Tgt Ion: 93 Resp: 26650

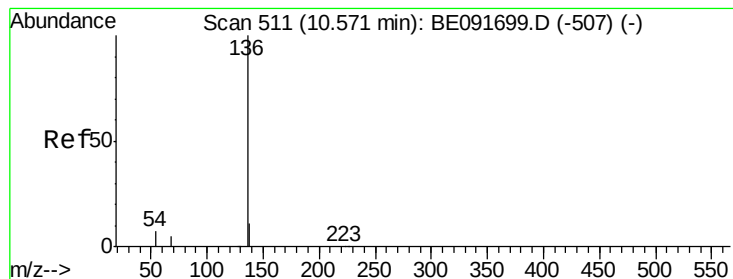
Ion Ratio Lower Upper

93 100

63 79.7 49.5 74.3#

95 32.9 22.2 33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

Tgt Ion: 136 Resp: 122060

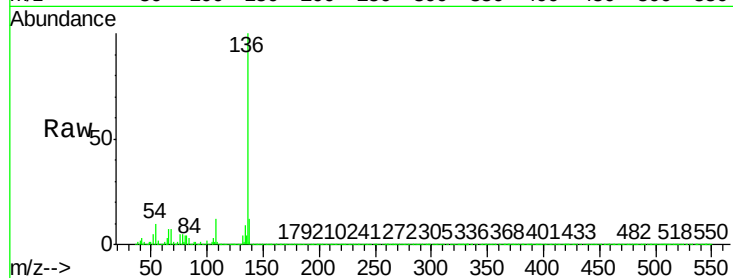
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 9.6 8.2 12.4

68 7.2 6.2 9.4

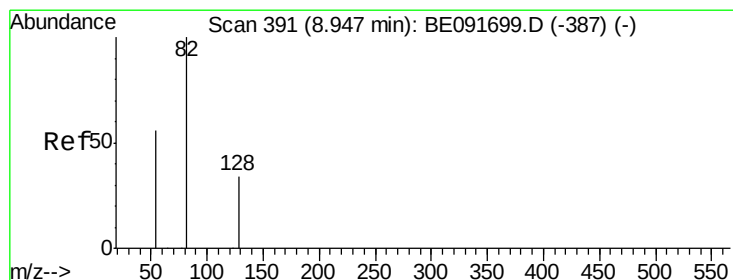
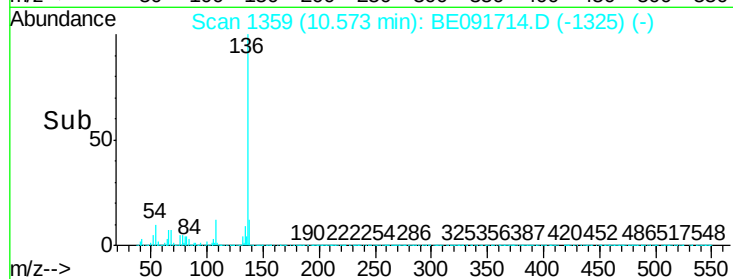
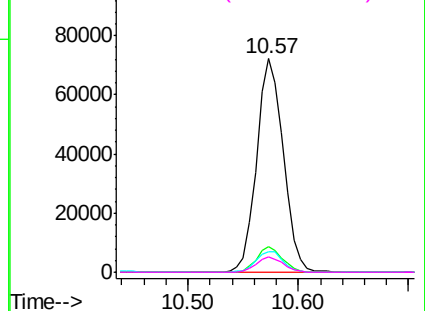


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.33 ng

RT: 8.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

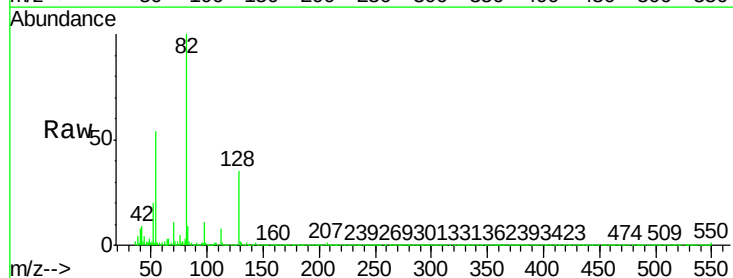
Tgt Ion: 82 Resp: 26265

Ion Ratio Lower Upper

82 100

128 34.8 25.4 38.0

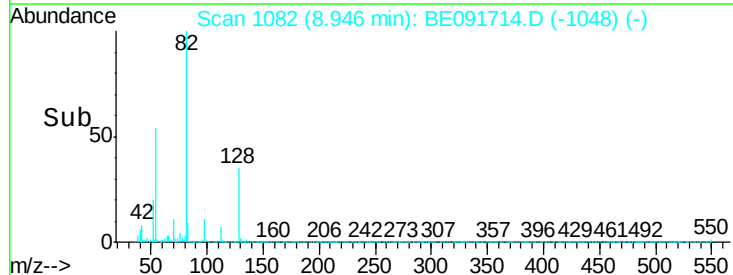
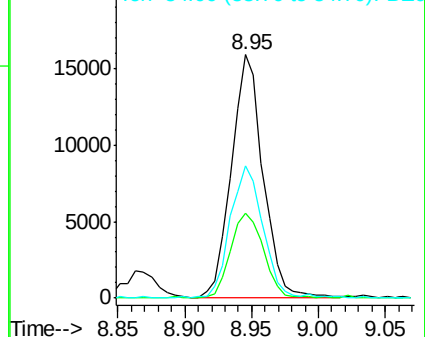
54 54.1 48.4 72.6

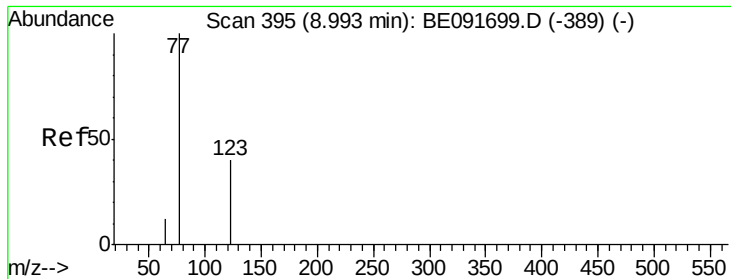


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 3.38 ng

RT: 8.99 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

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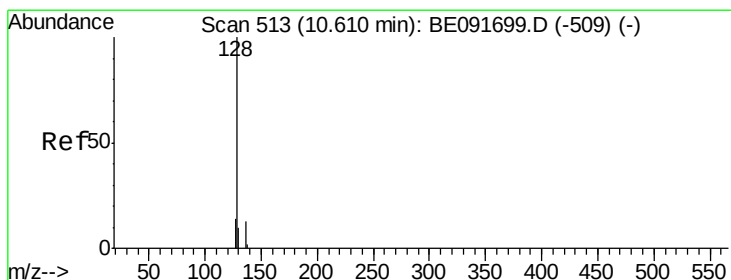
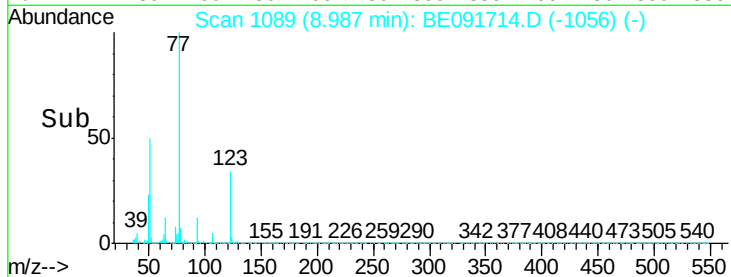
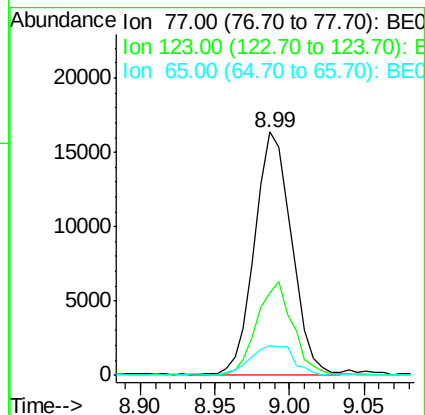
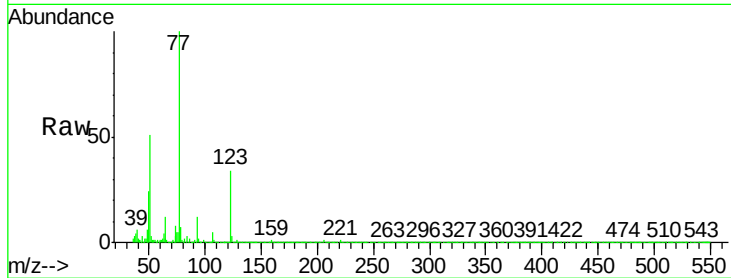
Tgt Ion: 77 Resp: 27839

Ion Ratio Lower Upper

77 100

123 37.8 26.9 40.3

65 14.7 9.4 14.2#



#10

Naphthalene

Concen: 3.32 ng

RT: 10.63 min Scan# 1368

Delta R.T. 0.02 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

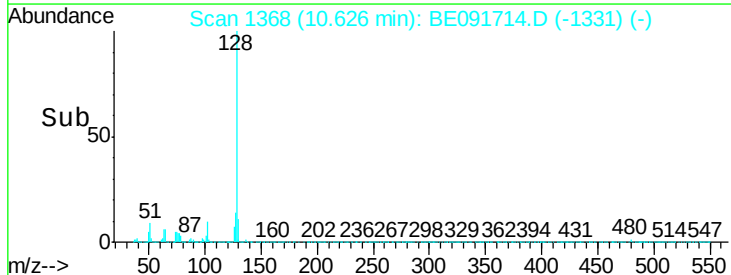
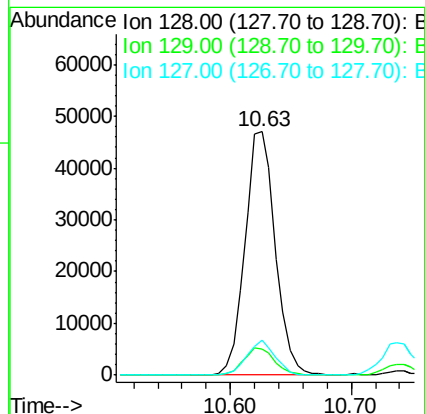
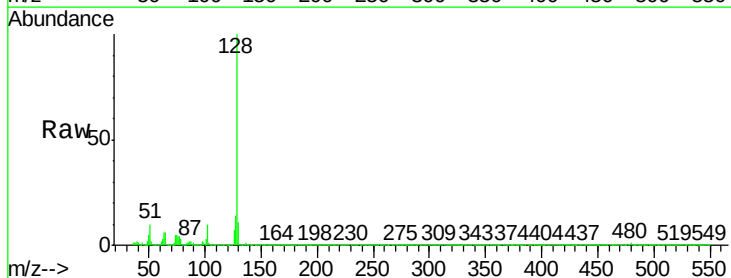
Tgt Ion: 128 Resp: 81921

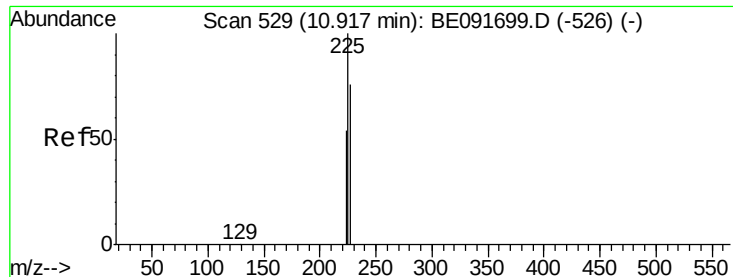
Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

127 14.3 10.7 16.1





#11

Hexachlorobutadiene

Concen: 3.36 ng

RT: 10.91 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

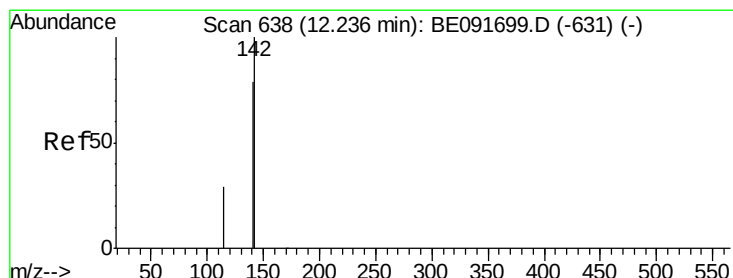
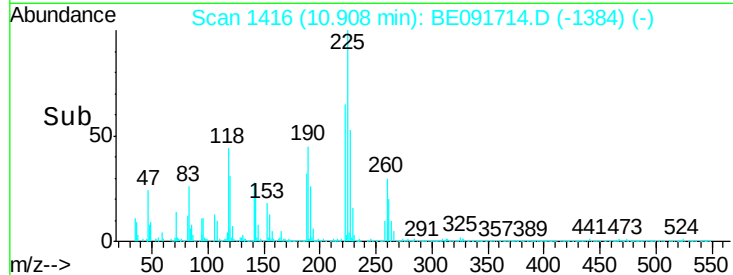
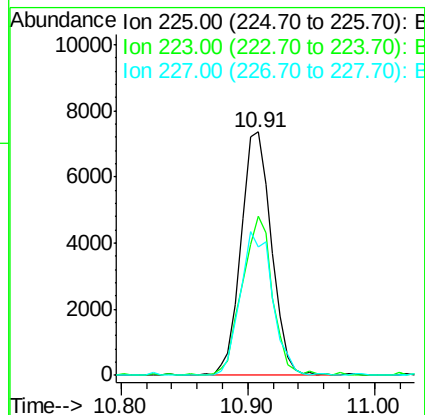
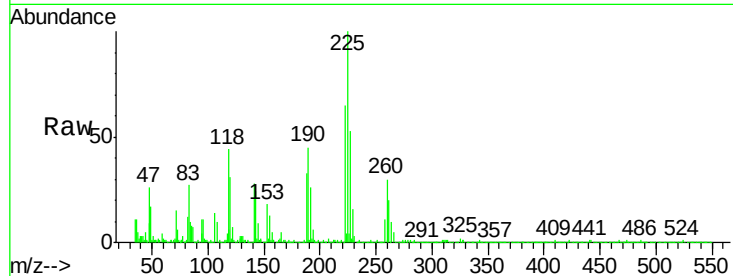
Instrument :

BNA_E

ClientSampleId :

PB90018BS

Tgt Ion:	225	Resp:	12217
Ion	Ratio	Lower	Upper
225	100		
223	65.3	49.0	73.6
227	62.5	50.3	75.5



#12

2-Methylnaphthalene

Concen: 3.51 ng

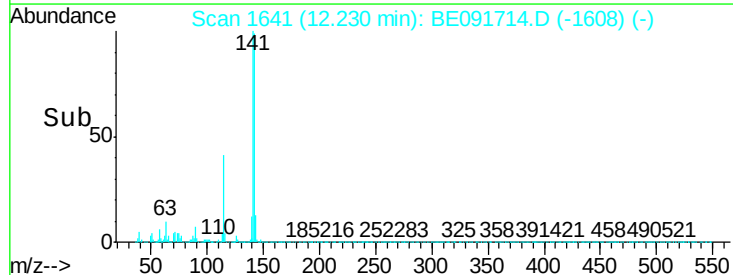
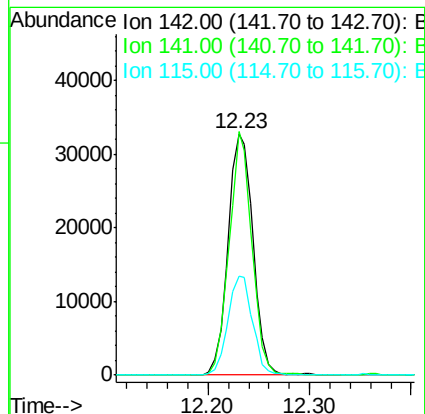
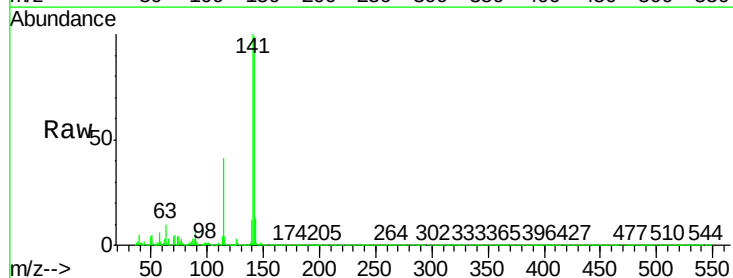
RT: 12.23 min Scan# 1641

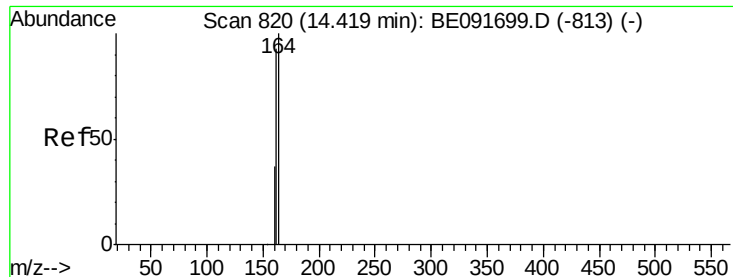
Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Tgt Ion:	142	Resp:	55625
Ion	Ratio	Lower	Upper
142	100		
141	100.8	71.4	107.0
115	40.9	30.3	45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

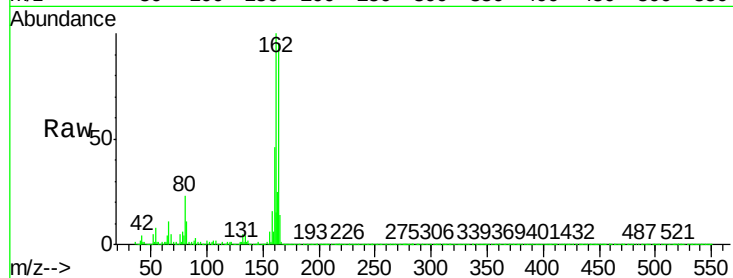
Tgt Ion:164 Resp: 73065

Ion Ratio Lower Upper

164 100

162 104.8 85.3 127.9

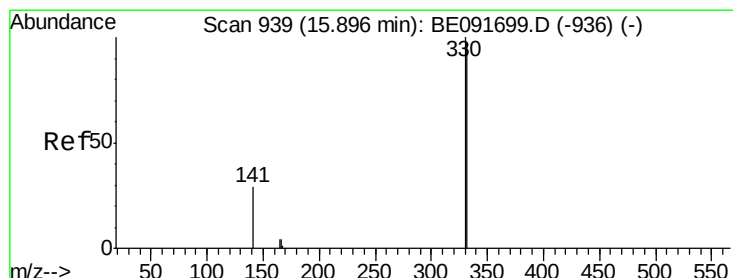
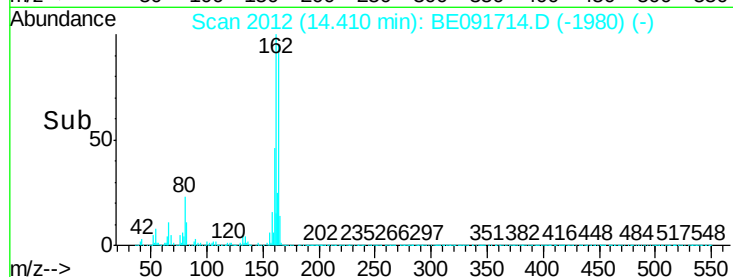
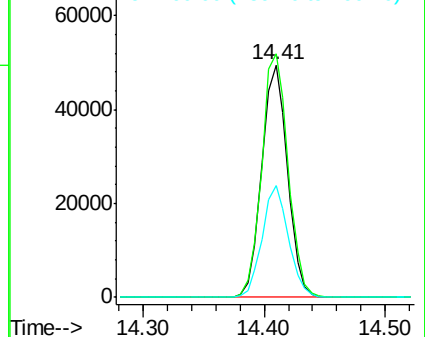
160 48.0 46.2 69.2



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: 6.31 ng

RT: 15.89 min Scan# 2264

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

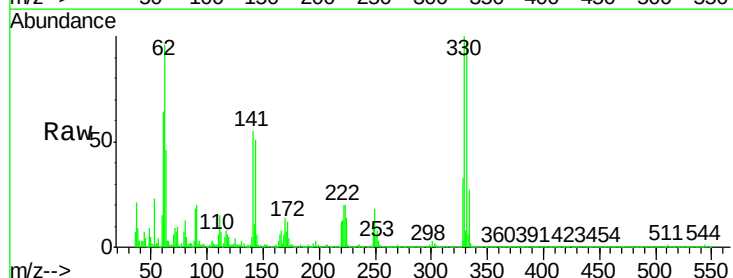
Tgt Ion:330 Resp: 17066

Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

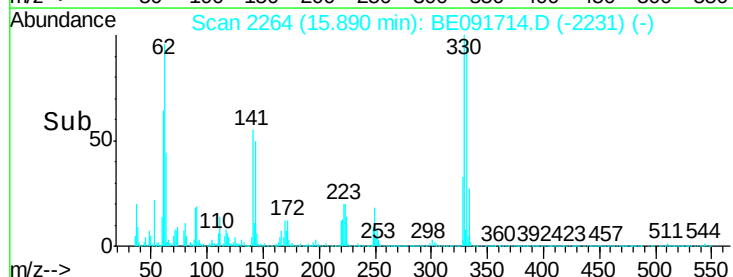
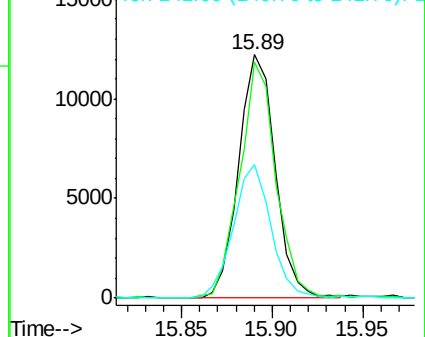
141 56.7 125.4 188.0#

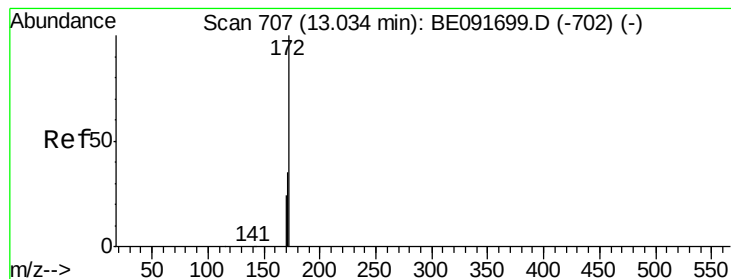


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 3.27 ng

RT: 13.03 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

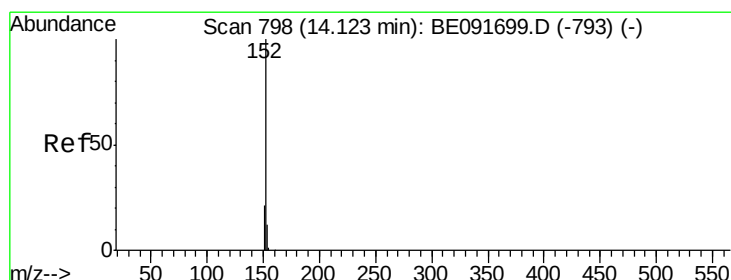
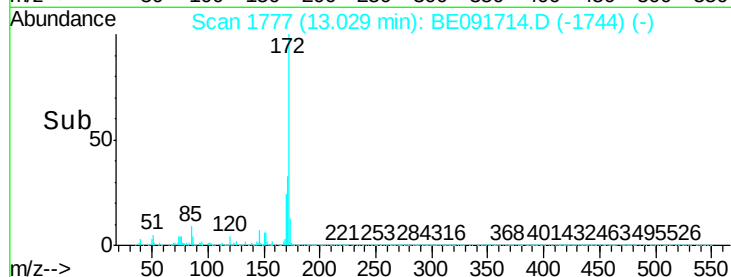
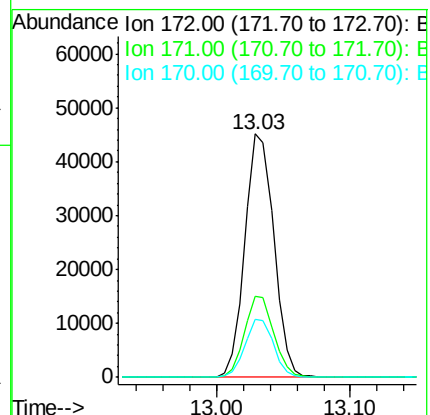
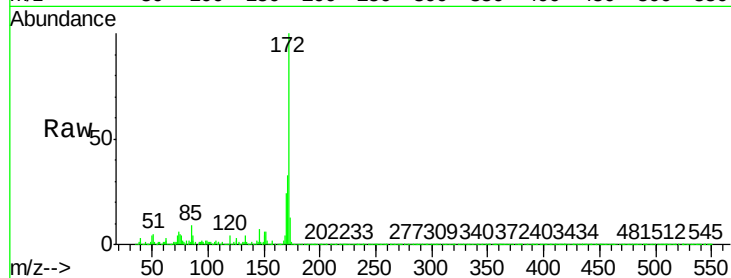
Tgt Ion:172 Resp: 67665

Ion Ratio Lower Upper

172 100

171 33.2 28.8 43.2

170 23.9 19.3 28.9



#16

Acenaphthylene

Concen: 3.28 ng

RT: 14.13 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

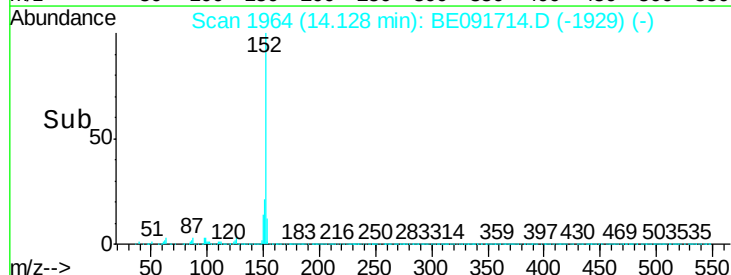
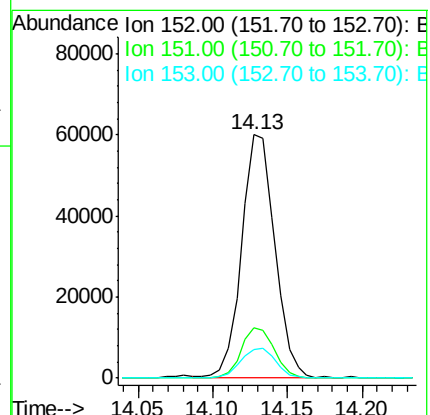
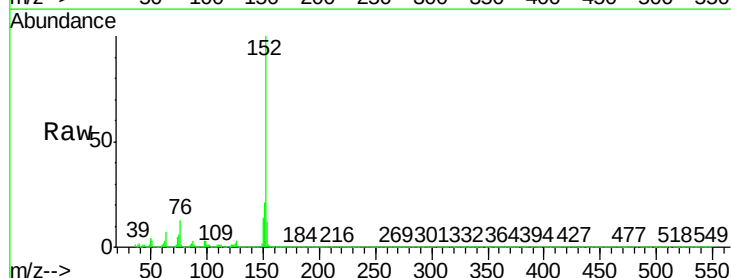
Tgt Ion:152 Resp: 92246

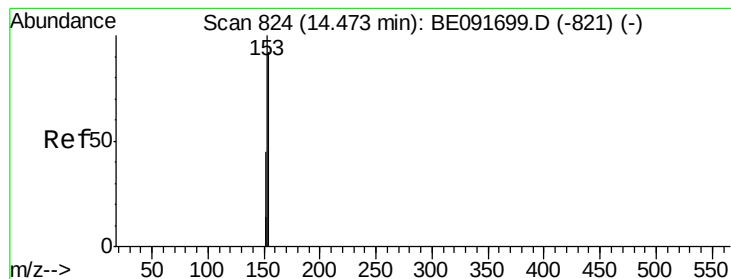
Ion Ratio Lower Upper

152 100

151 20.7 3.9 5.9#

153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 3.20 ng

RT: 14.47 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

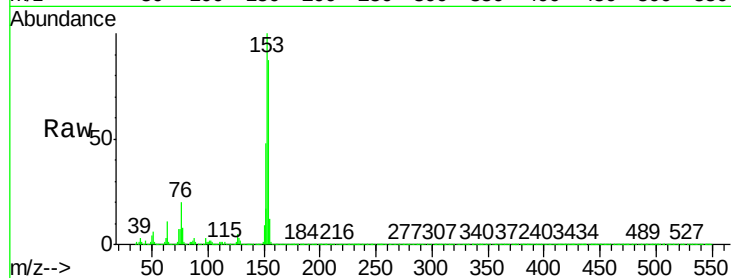
Tgt Ion:154 Resp: 58343

Ion Ratio Lower Upper

154 100

153 113.7 80.0 120.0

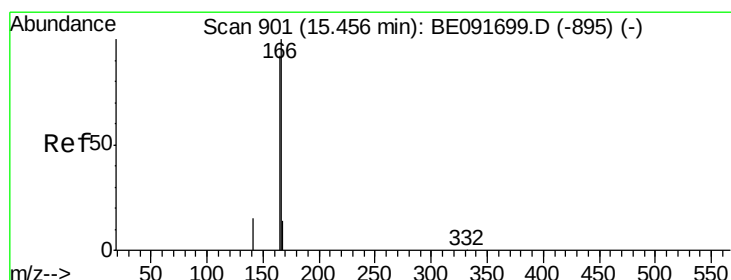
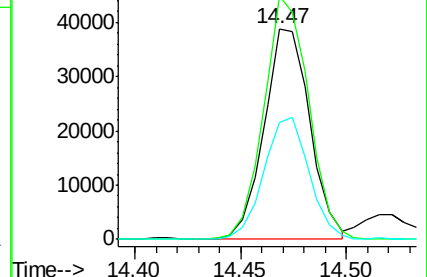
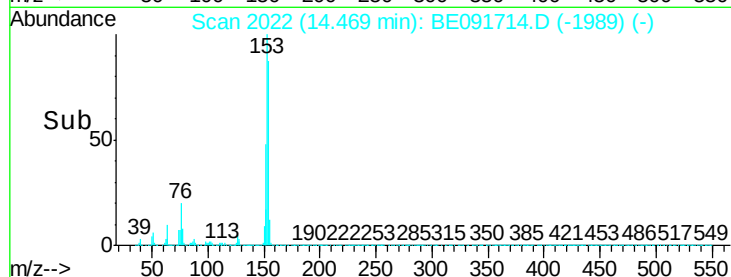
152 57.6 40.0 60.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 3.48 ng

RT: 15.45 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

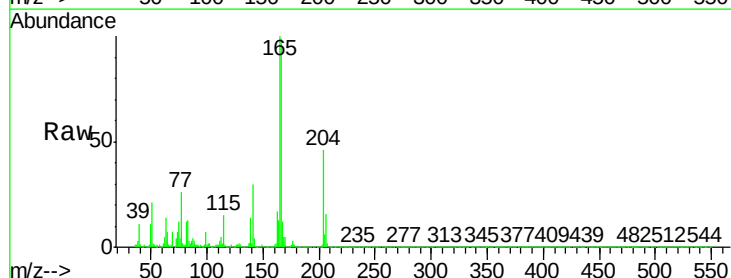
Tgt Ion:166 Resp: 78825

Ion Ratio Lower Upper

166 100

165 99.9 80.8 121.2

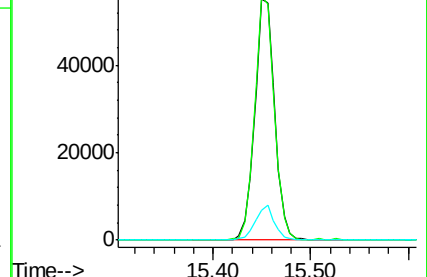
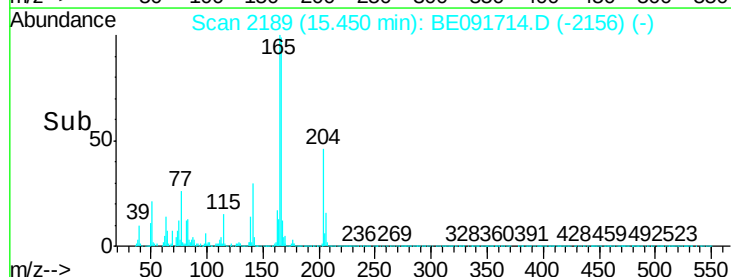
167 13.9 10.9 16.3

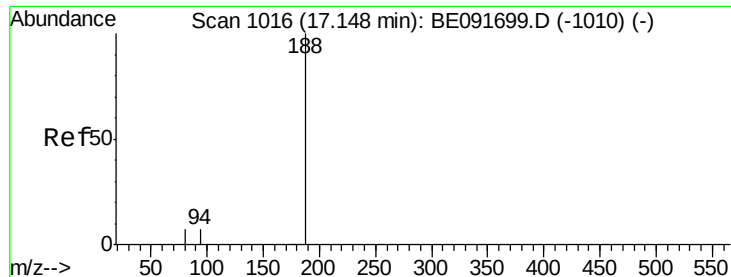


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

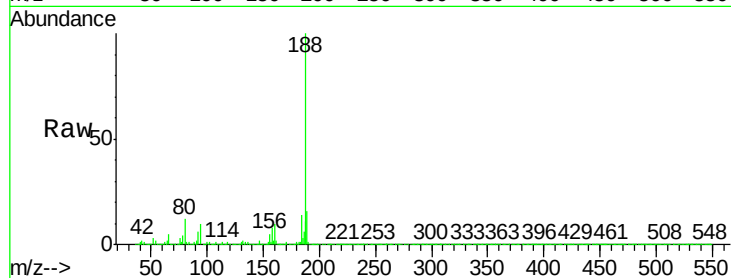
Tgt Ion:188 Resp: 174556

Ion Ratio Lower Upper

188 100

94 10.4 8.7 13.1

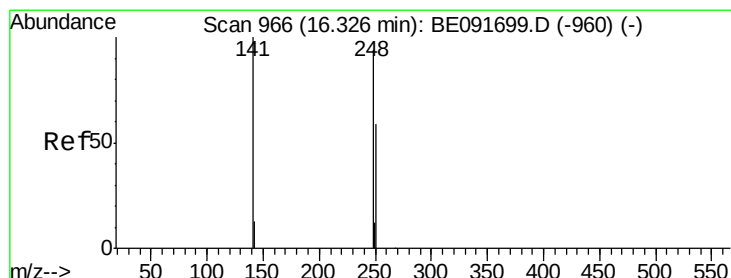
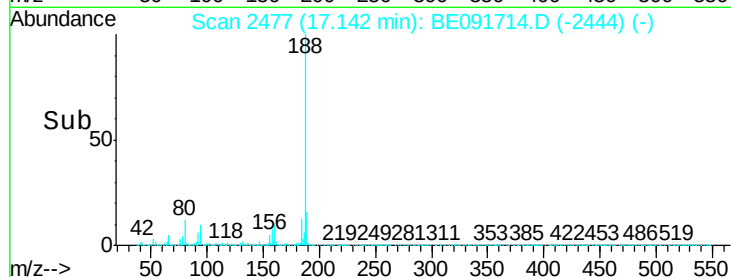
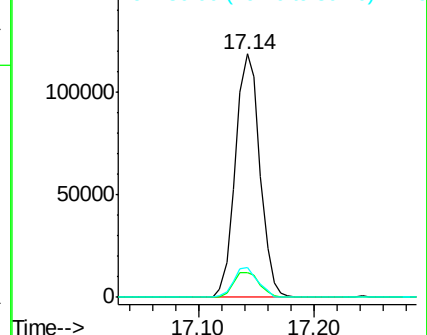
80 12.5 9.4 14.0



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: 3.22 ng

RT: 16.34 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

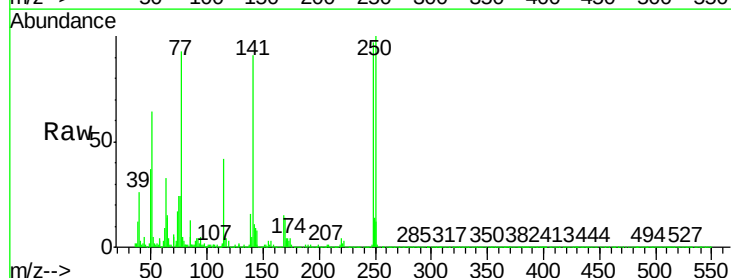
Tgt Ion:248 Resp: 20235

Ion Ratio Lower Upper

248 100

250 102.3 80.5 120.7

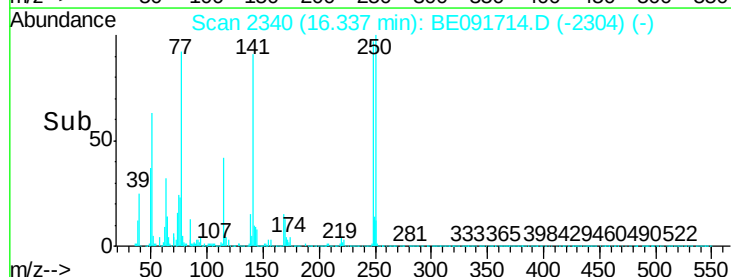
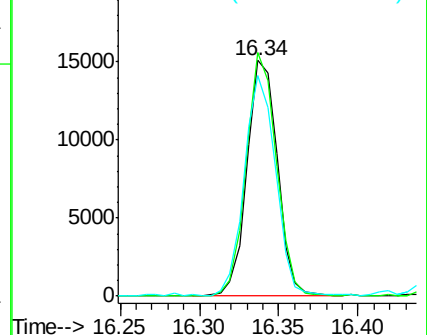
141 96.2 72.0 108.0

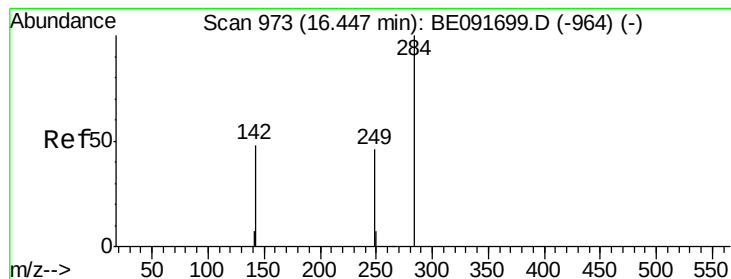


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.54 ng

RT: 16.45 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

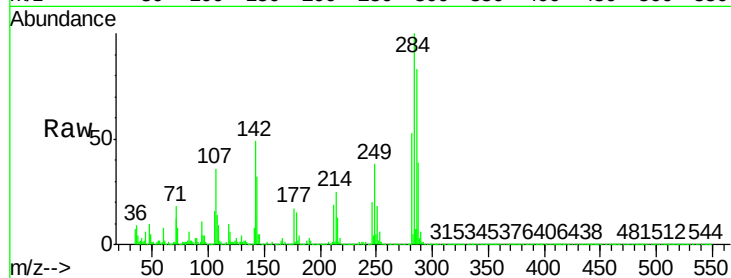
Tgt Ion:284 Resp: 22200

Ion Ratio Lower Upper

284 100

142 50.5 32.2 48.2#

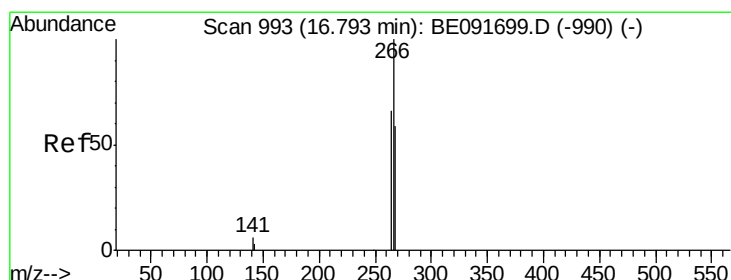
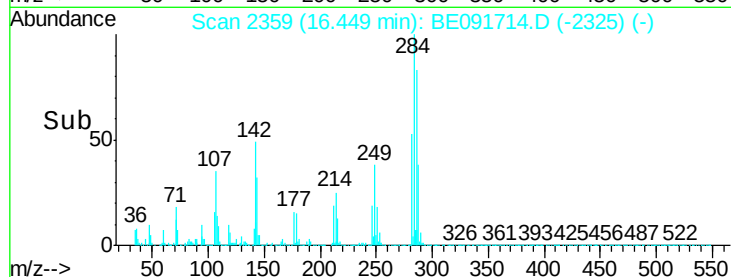
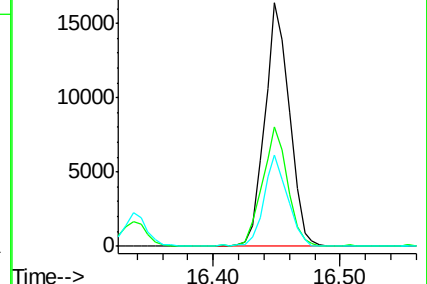
249 36.4 25.4 38.2



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: 7.41 ng

RT: 16.80 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

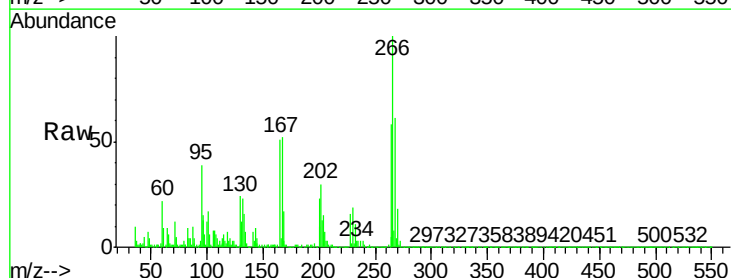
Tgt Ion:266 Resp: 25112

Ion Ratio Lower Upper

266 100

268 61.3 58.2 87.2

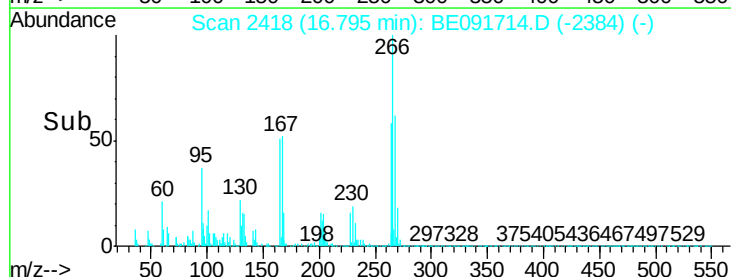
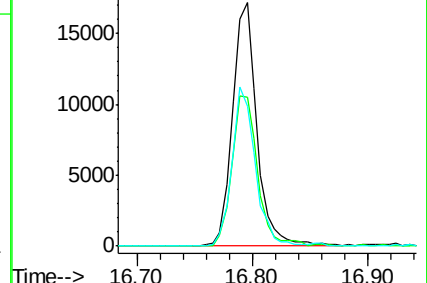
264 57.6 56.2 84.4

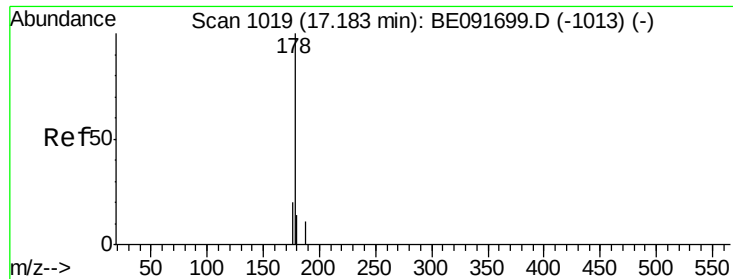


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 3.50 ng

RT: 17.18 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

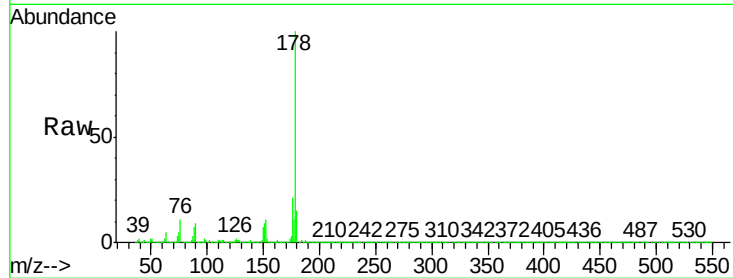
Tgt Ion:178 Resp: 138953

Ion Ratio Lower Upper

178 100

176 21.0 15.3 22.9

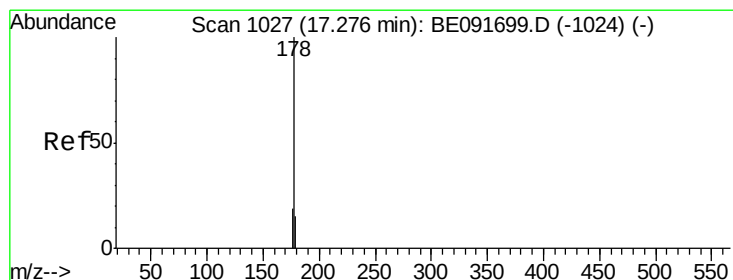
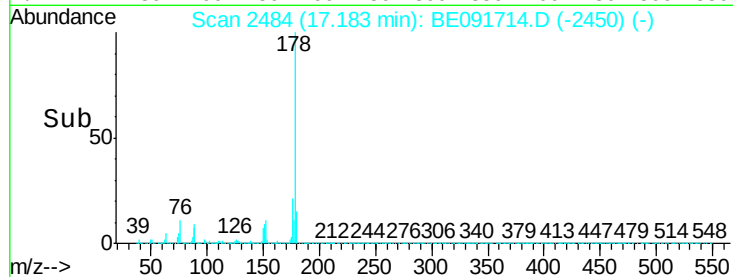
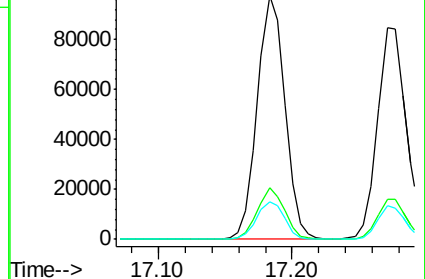
179 15.6 12.6 18.8



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



#24

Anthracene

Concen: 3.58 ng

RT: 17.27 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

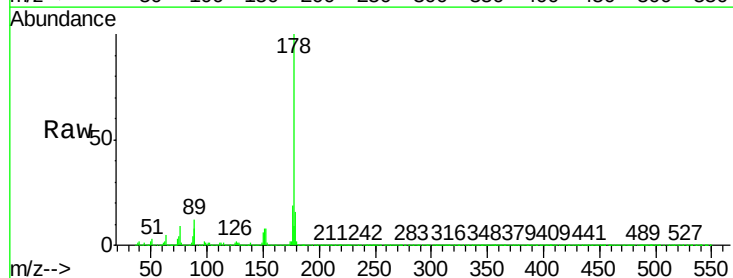
Tgt Ion:178 Resp: 127904

Ion Ratio Lower Upper

178 100

176 19.0 14.6 21.8

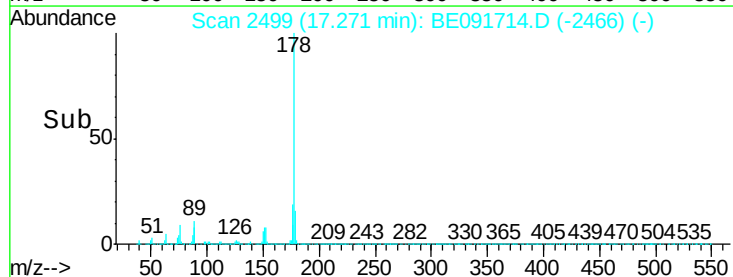
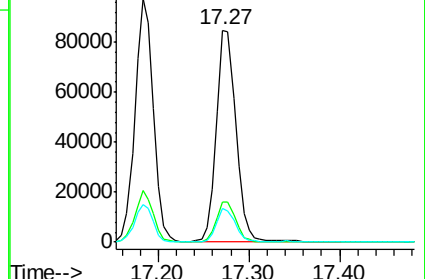
179 15.0 11.8 17.6

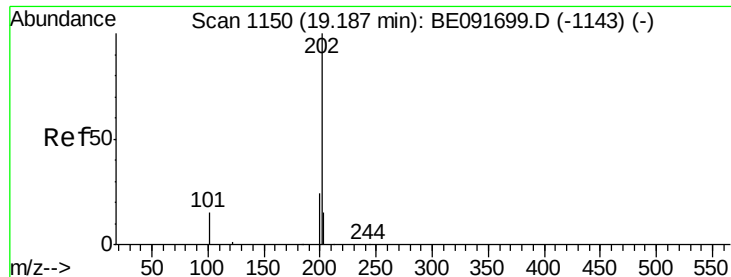


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

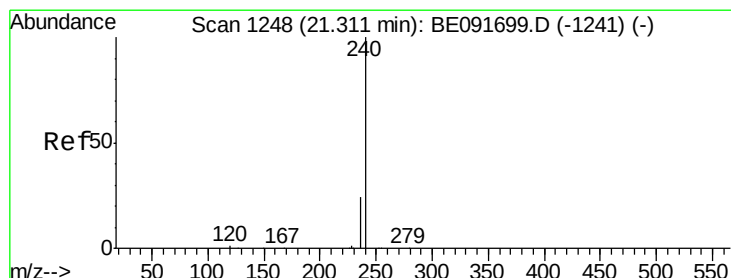
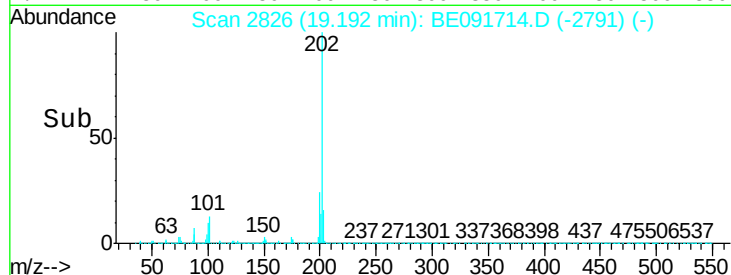
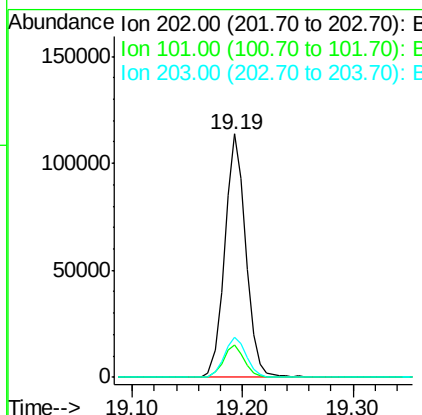
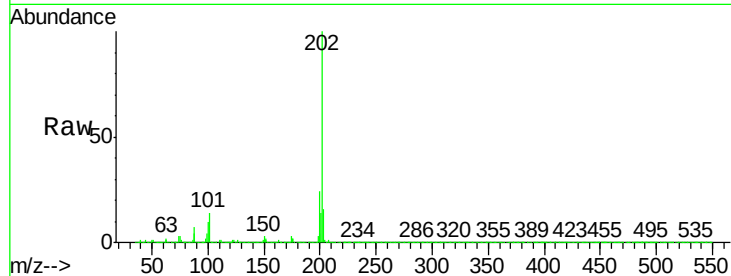




#25
 Fluoranthene
 Concen: 3.65 ng
 RT: 19.19 min Scan# 2826
 Delta R.T. 0.01 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

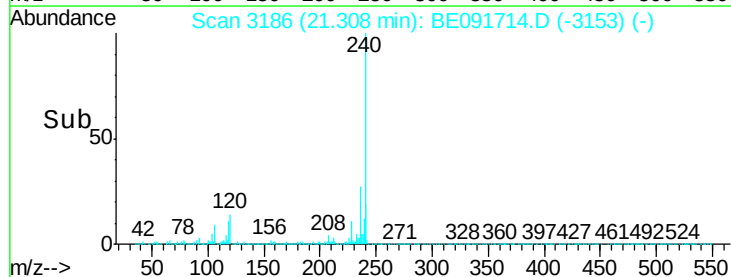
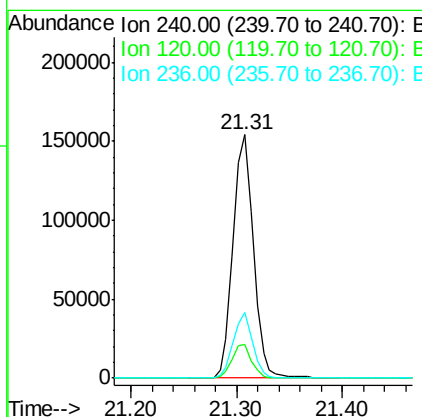
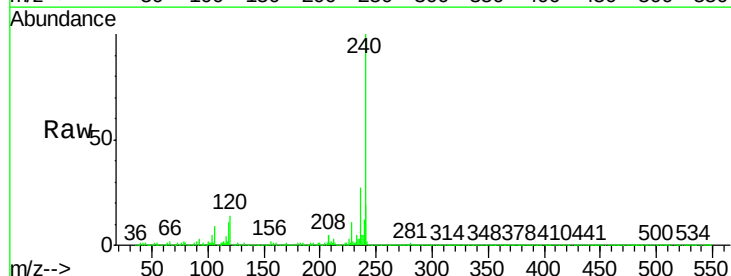
Instrument :
 BNA_E
 ClientSampleId :
 PB90018BS

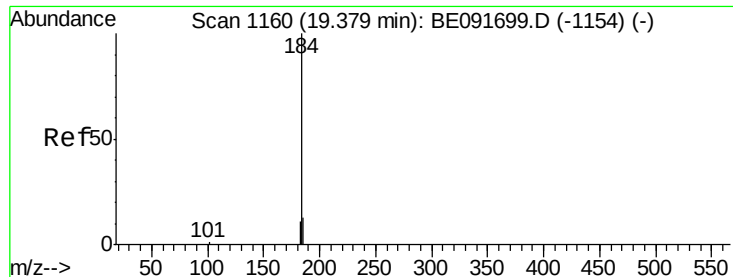
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	11.0	16.6
203	17.2	13.9	20.9



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.6	11.0	16.4
236	26.7	21.7	32.5





#27

Benzidine

Concen: 1.26 ng

RT: 19.39 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

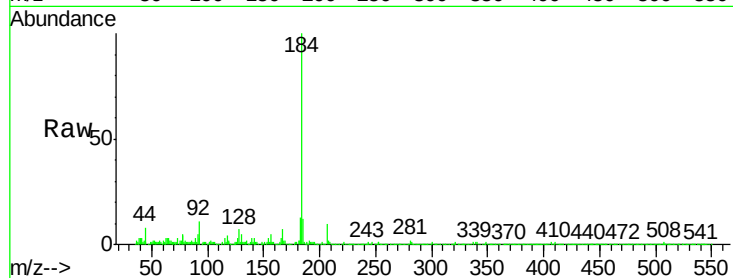
Tgt Ion:184 Resp: 18399

Ion Ratio Lower Upper

184 100

185 12.4 22.3 33.5#

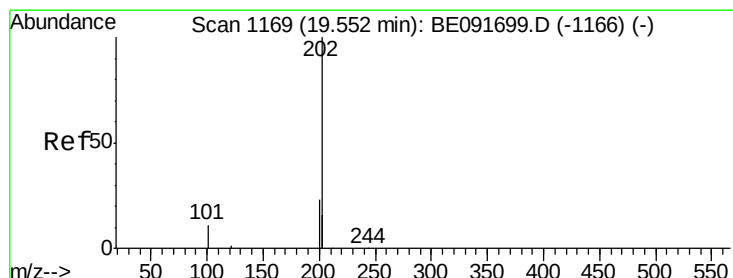
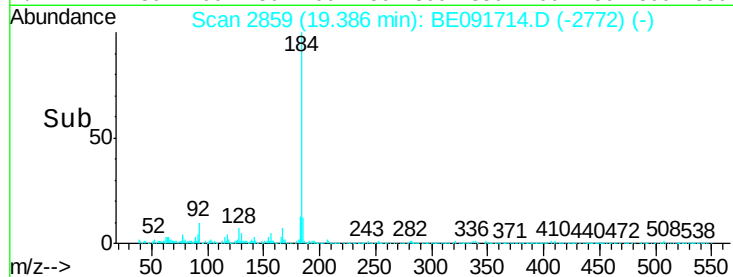
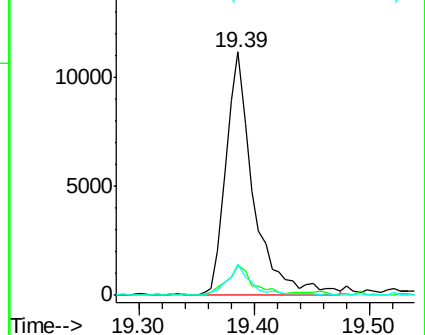
183 13.0 16.4 24.6#



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: 3.63 ng

RT: 19.56 min Scan# 2888

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

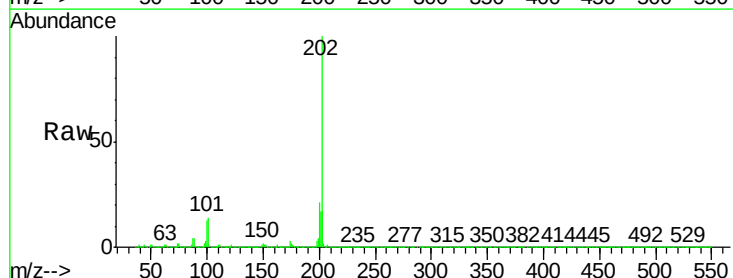
Tgt Ion:202 Resp: 168394

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

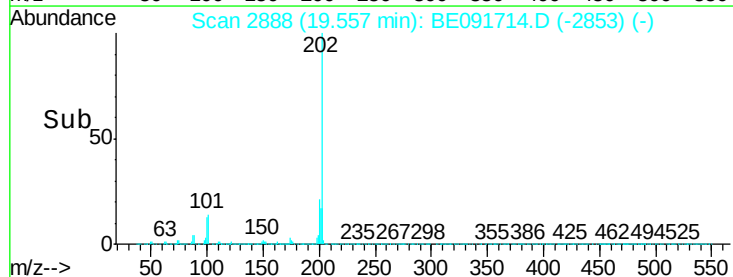
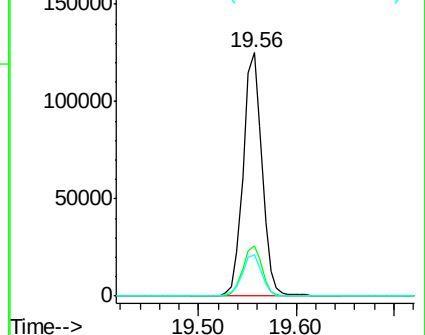
203 18.0 14.0 21.0

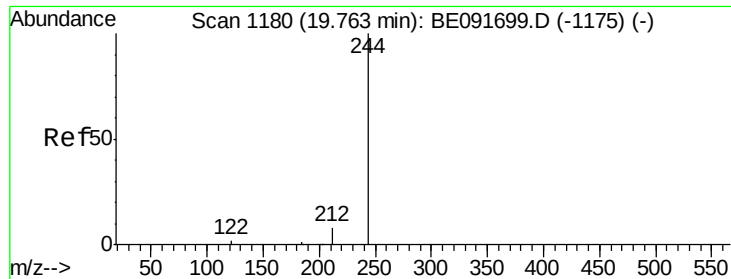


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.36 ng

RT: 19.76 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

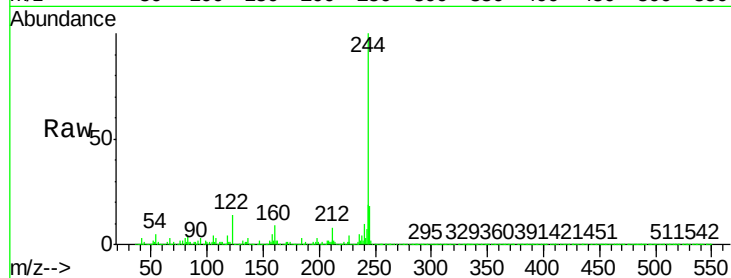
Tgt Ion:244 Resp: 107623

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

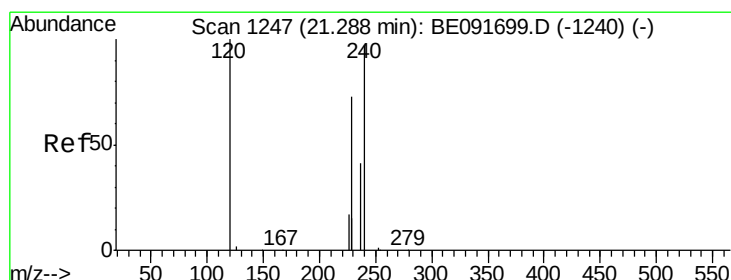
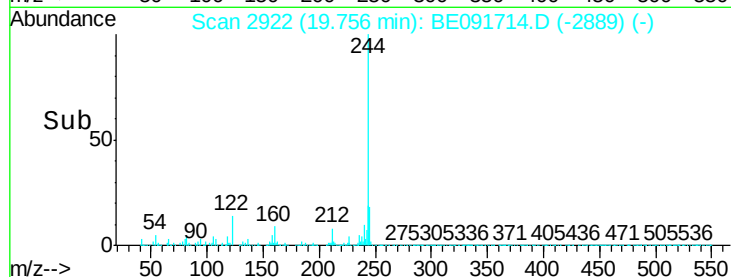
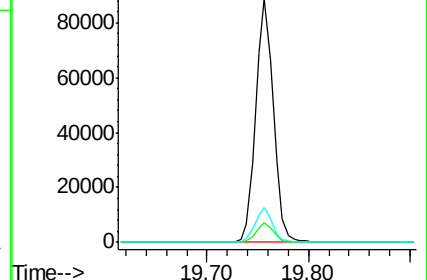
122 14.5 11.0 16.4



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: 3.29 ng

RT: 21.29 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

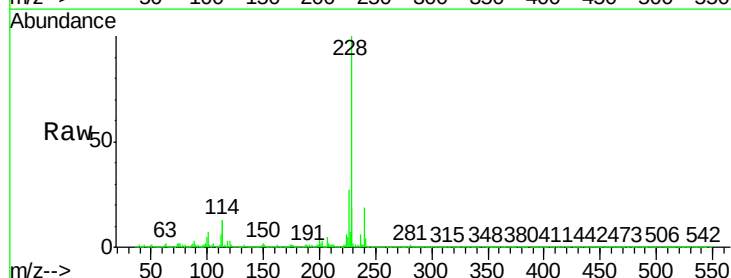
Tgt Ion:228 Resp: 165190

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

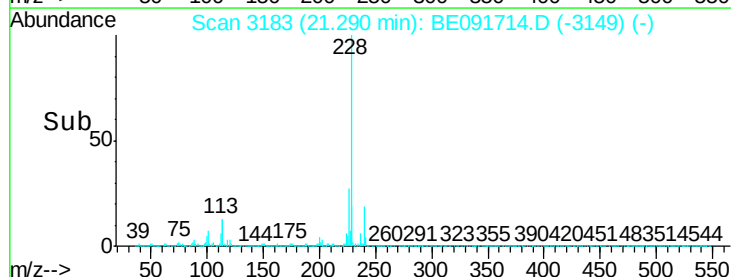
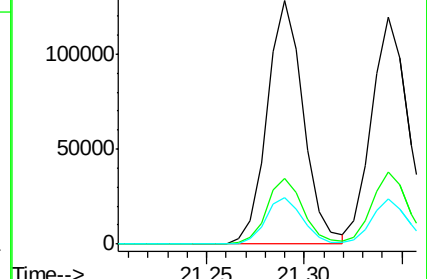
229 18.8 15.7 23.5

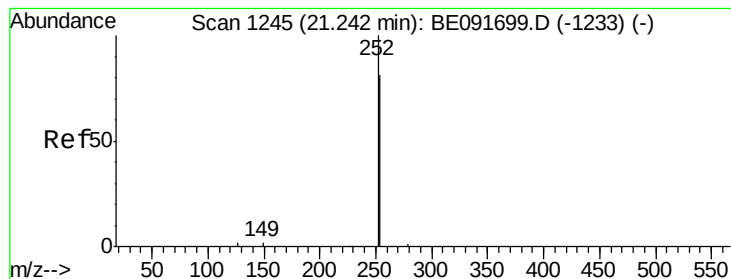


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

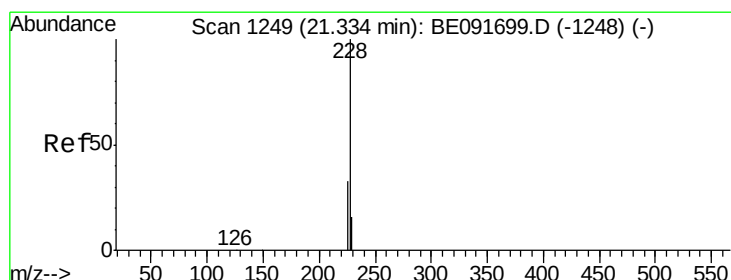
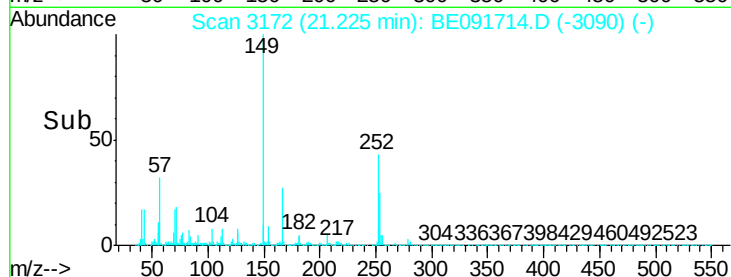
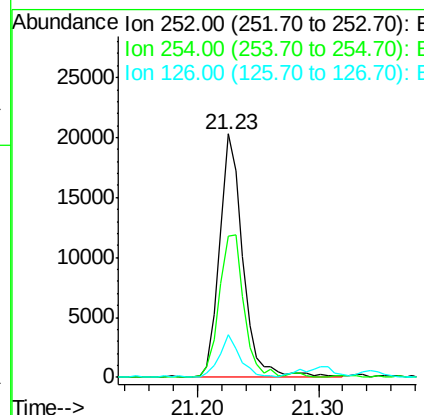
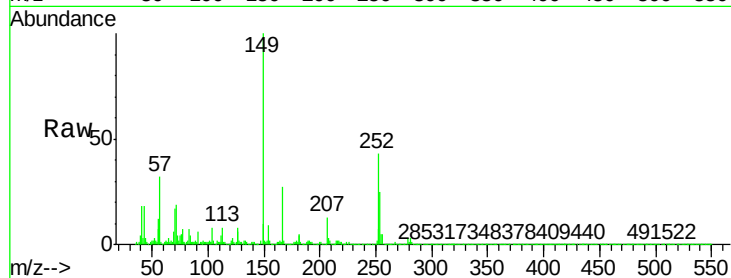




#31
 3,3'-Dichlorobenzidine
 Concen: 1.05 ng
 RT: 21.23 min Scan# 3172
 Delta R.T. -0.02 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

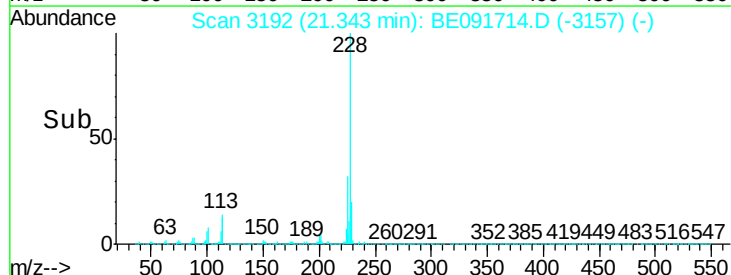
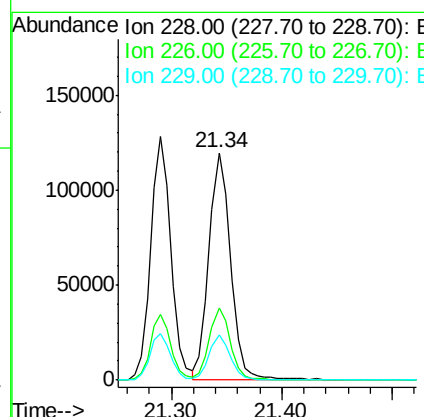
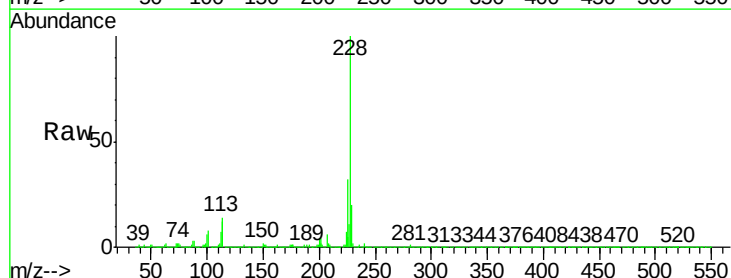
Instrument :
 BNA_E
 ClientSampleID :
 PB90018BS

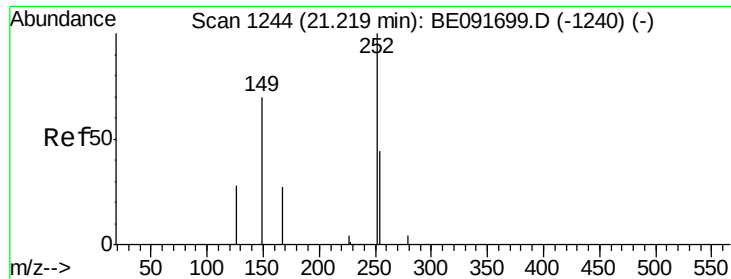
Tgt Ion: 252 Resp: 26983
 Ion Ratio Lower Upper
 252 100
 254 57.8 51.1 76.7
 126 17.7 12.6 18.8



#32
 Chrysene
 Concen: 3.05 ng
 RT: 21.34 min Scan# 3192
 Delta R.T. 0.01 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

Tgt Ion: 228 Resp: 158985
 Ion Ratio Lower Upper
 228 100
 226 31.6 24.0 36.0
 229 19.7 15.9 23.9

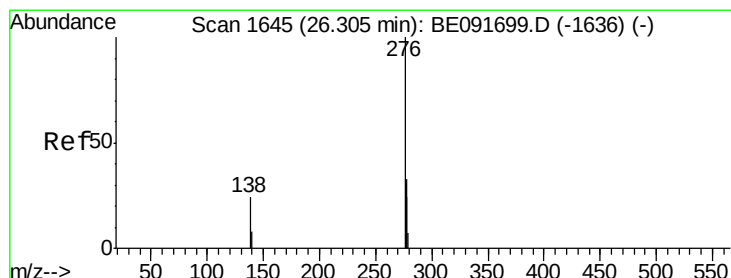
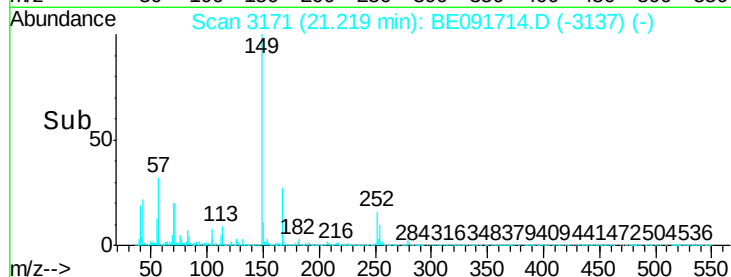
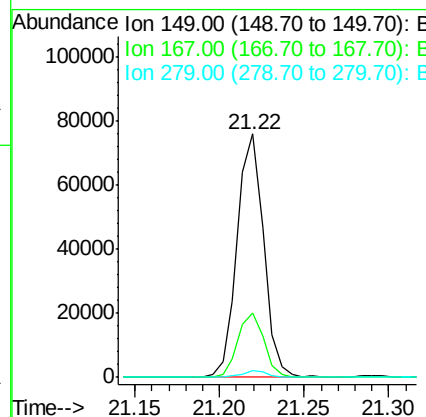
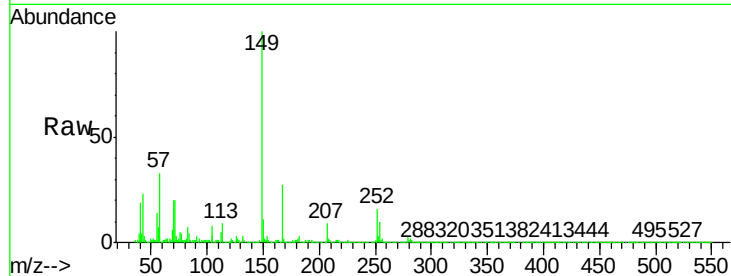




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 5.44 ng
 RT: 21.22 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

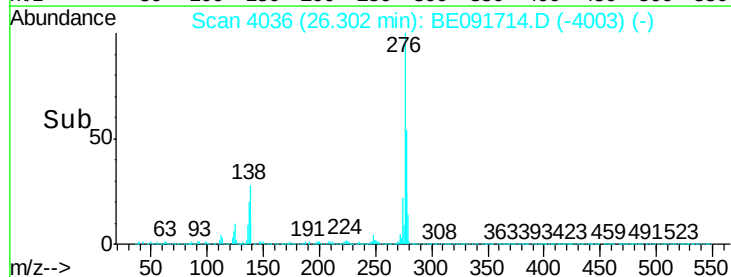
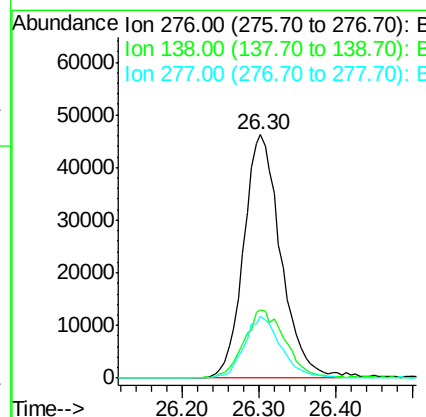
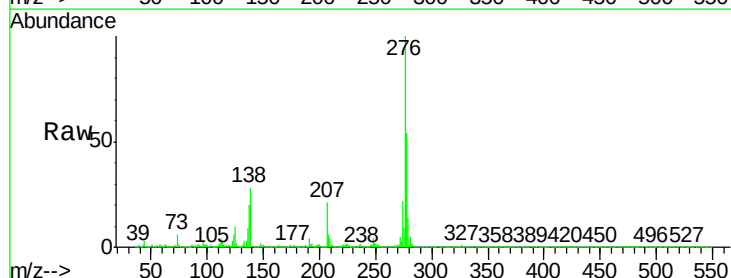
Instrument :
 BNA_E
 ClientSampleId :
 PB90018BS

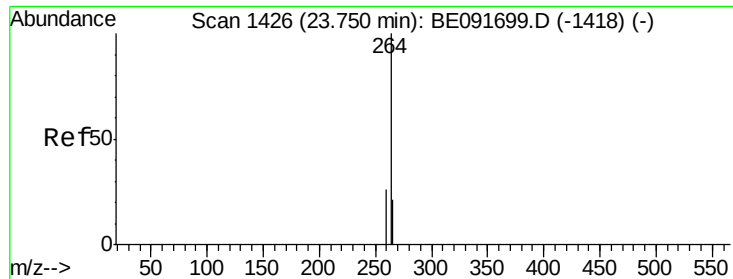
Tgt Ion:149 Resp: 82713
 Ion Ratio Lower Upper
 149 100
 167 26.0 19.5 29.3
 279 2.5 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.36 ng
 RT: 26.30 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: BE091714.D
 Acq: 26 Apr 2016 21:15

Tgt Ion:276 Resp: 156017
 Ion Ratio Lower Upper
 276 100
 138 31.1 23.4 35.2
 277 25.0 19.8 29.8

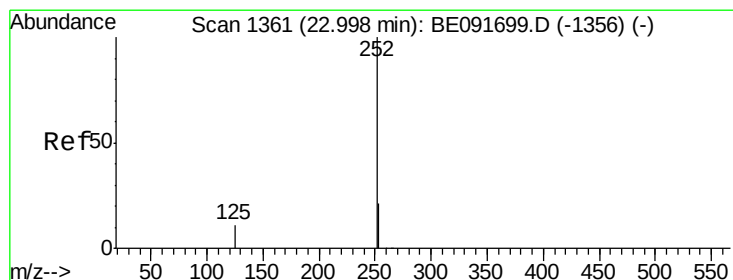
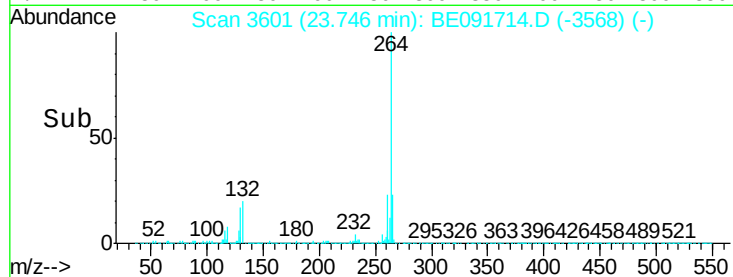
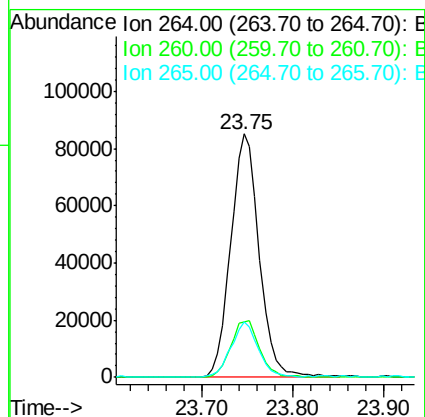
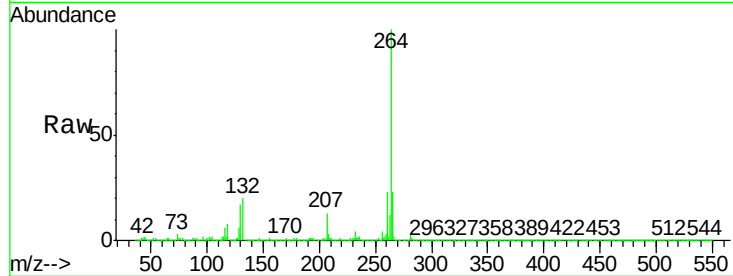




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BE091714.D
Acq: 26 Apr 2016 21:15

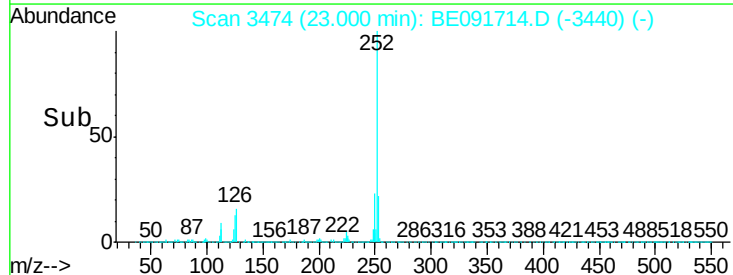
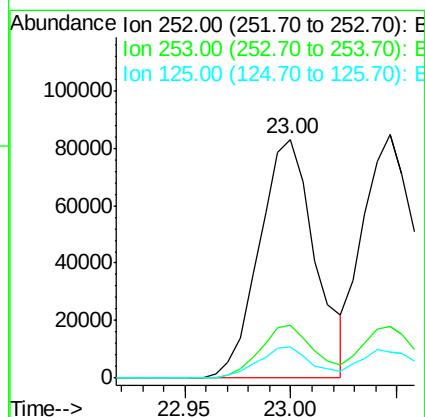
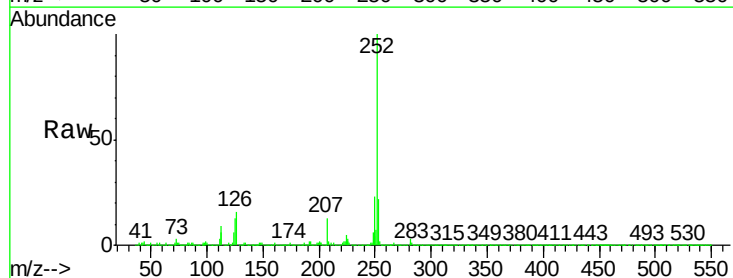
Instrument :
BNA_E
ClientSampleId :
PB90018BS

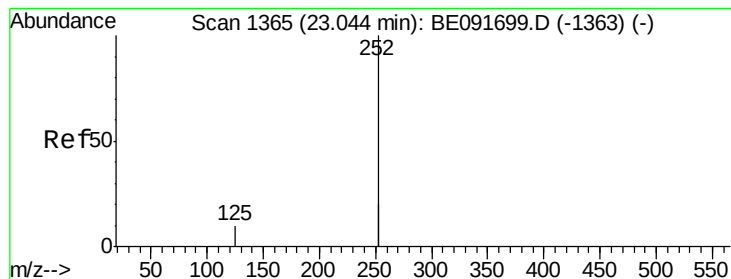
Tgt Ion:264 Resp: 185888
Ion Ratio Lower Upper
264 100
260 22.8 20.0 30.0
265 22.8 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 3.50 ng
RT: 23.00 min Scan# 3474
Delta R.T. 0.00 min
Lab File: BE091714.D
Acq: 26 Apr 2016 21:15

Tgt Ion:252 Resp: 152322
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 13.0 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.45 ng

RT: 23.05 min Scan# 3482

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

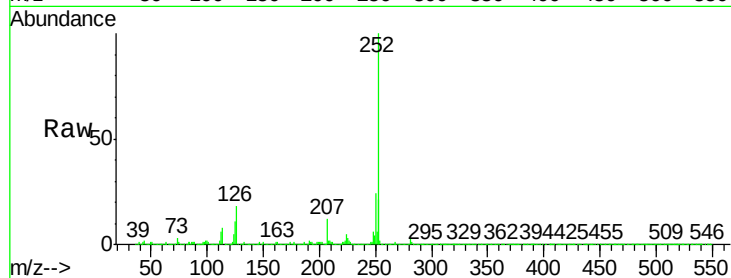
Tgt Ion:252 Resp: 152904

Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

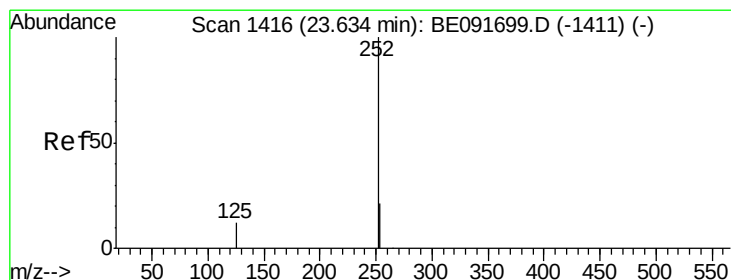
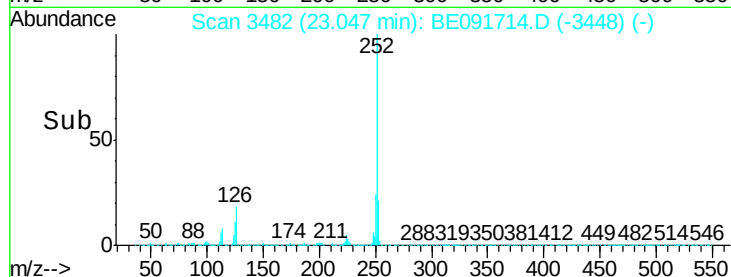
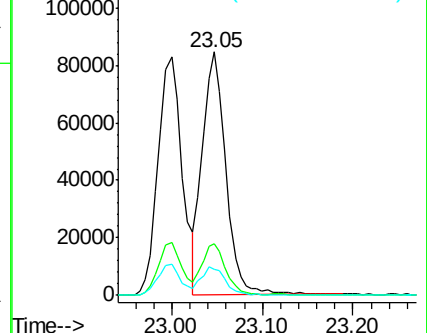
125 10.9 9.9 14.9



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: 3.34 ng

RT: 23.63 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

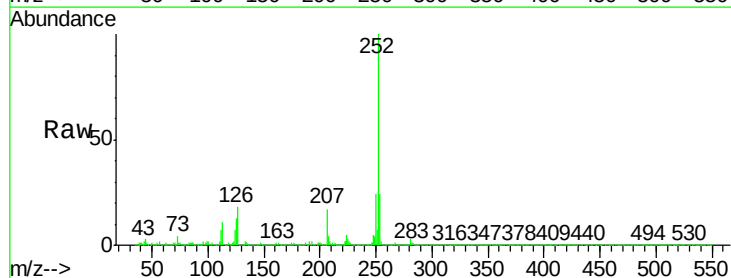
Tgt Ion:252 Resp: 136997

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

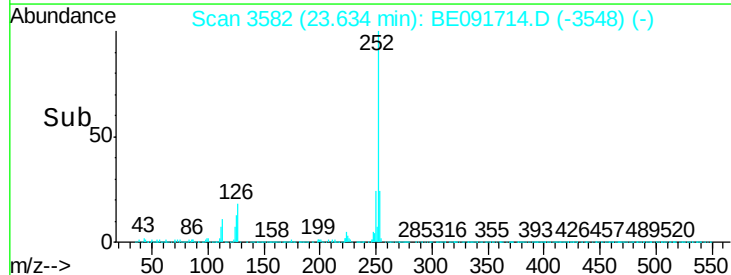
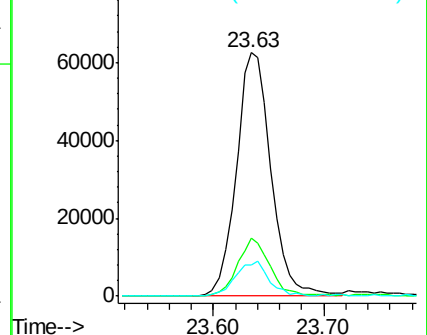
125 12.9 11.0 16.4

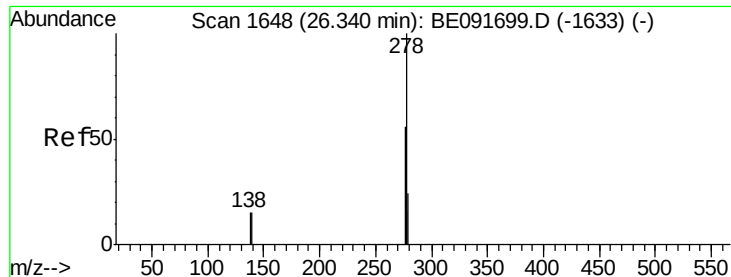


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.44 ng

RT: 26.32 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

Instrument :

BNA_E

ClientSampleId :

PB90018BS

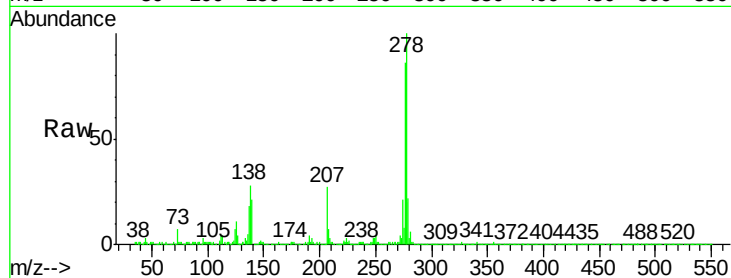
Tgt Ion:278 Resp: 133811

Ion Ratio Lower Upper

278 100

139 20.6 16.0 24.0

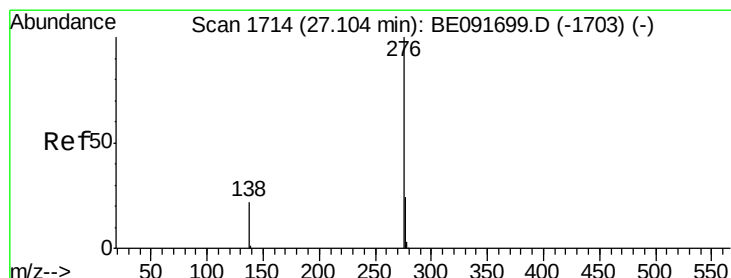
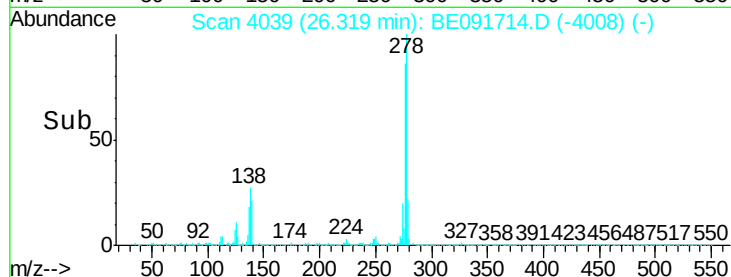
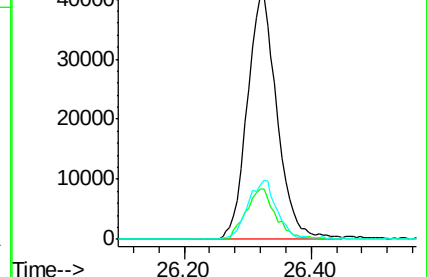
279 22.3 19.4 29.2



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: 3.34 ng

RT: 27.09 min Scan# 4170

Delta R.T. -0.01 min

Lab File: BE091714.D

Acq: 26 Apr 2016 21:15

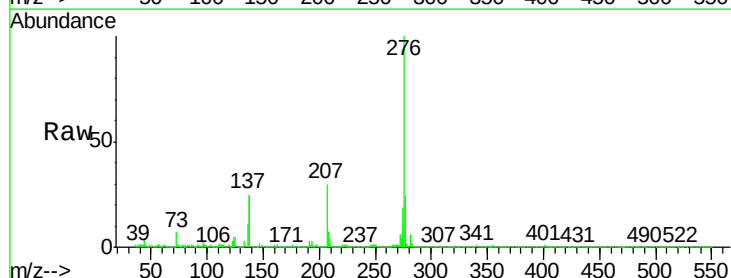
Tgt Ion:276 Resp: 131950

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 24.3 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

