

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031716\
 Data File : BE091464.D
 Acq On : 17 Mar 2016 13:34
 Operator : UM/SJ
 Sample : H1746-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 17 14:53:57 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 15:28:00 2016
 Response via : Initial Calibration

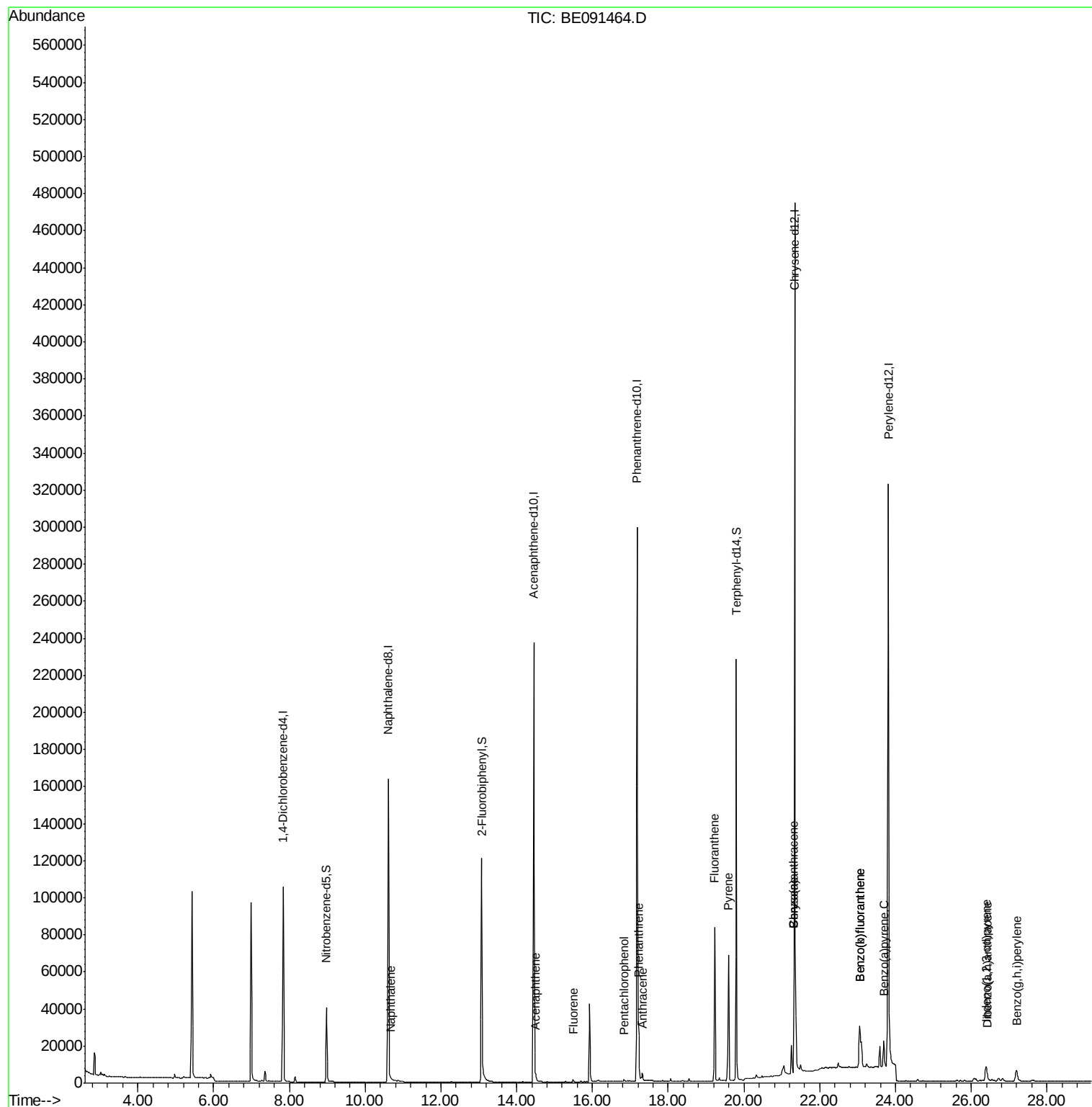
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	52255	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	235192	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	147652	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	376466	5.00	ng	0.00
19) Chrysene-d12	21.34	240	543885	5.00	ng	0.00
25) Perylene-d12	23.81	264	490512	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.98	82	38738	3.10	ng	-0.01
9) 2-Fluorobiphenyl	13.08	172	149212	3.91	ng	0.00
21) Terphenyl-d14	19.80	244	289365	3.58	ng	0.00
Target Compounds						Ovalue
6) Naphthalene	10.67	128	1260	0.02	ng	# 75
11) Acenaphthene	14.50	154	958	0.02	ng	# 100
12) Fluorene	15.49	166	1283	0.02	ng	# 100
15) Pentachlorophenol	16.83	266	911	0.34	ng	# 85
16) Phenanthrene	17.22	178	34889	0.32	ng	# 100
17) Anthracene	17.31	178	5356	0.06	ng	# 100
18) Fluoranthene	19.22	202	85264	0.69	ng	# 70
20) Pyrene	19.59	202	68520	0.44	ng	# 91
22) Benzo(a)anthracene	21.31	228	83958	0.44	ng	# 95
23) Chrysene	21.31	228	84870	0.58	ng	# 90
24) Indeno(1,2,3-cd)pyrene	26.40	276	15652	0.09	ng	# 100
26) Benzo(b)fluoranthene	23.06	252	67237	0.40	ng	# 94
27) Benzo(k)fluoranthene	23.06	252	66752	0.43	ng	# 93
28) Benzo(a)pyrene	23.69	252	22431	0.16	ng	# 91
29) Dibenzo(a,h)anthracene	26.42	278	4169	0.03	ng	# 62
30) Benzo(a,h,i)perylene	27.20	276	15748	0.11	ng	# 95

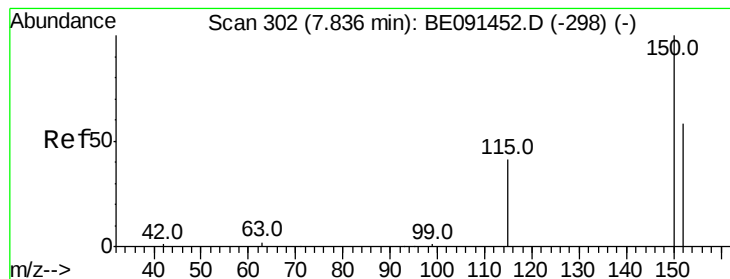
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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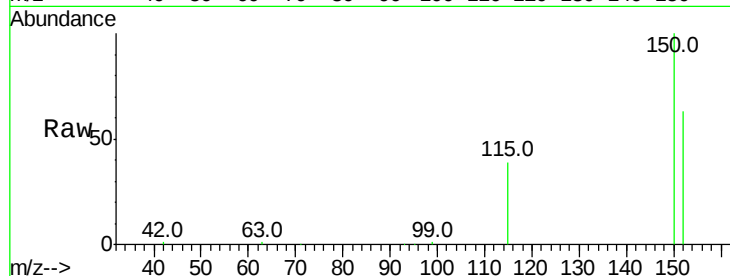


#1

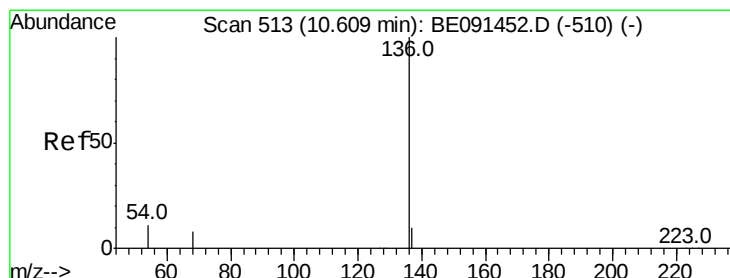
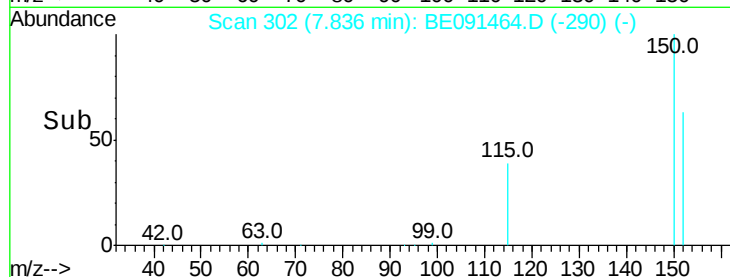
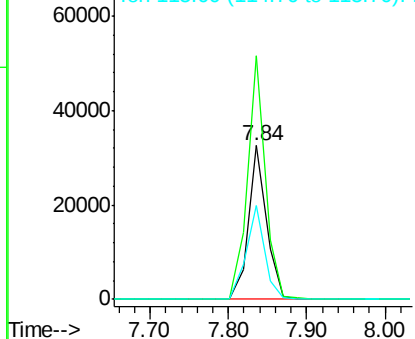
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 52255
Ion Ratio Lower Upper
152 100
150 158.6 136.8 205.2
115 61.3 56.9 85.3



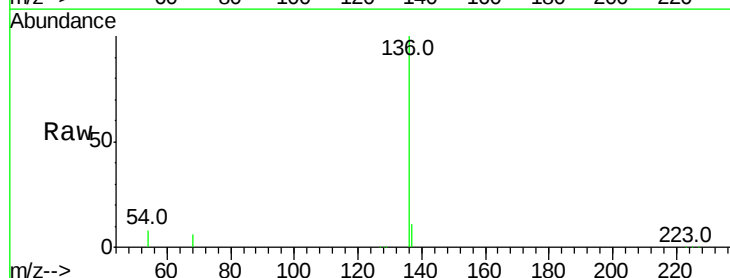
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



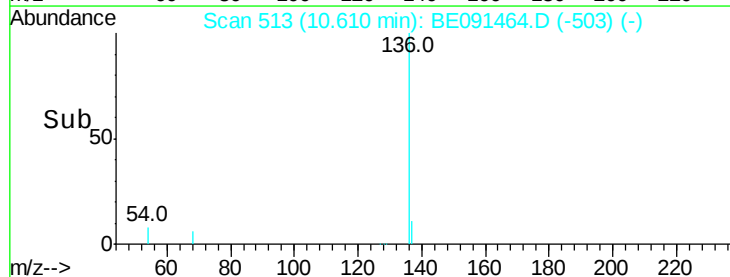
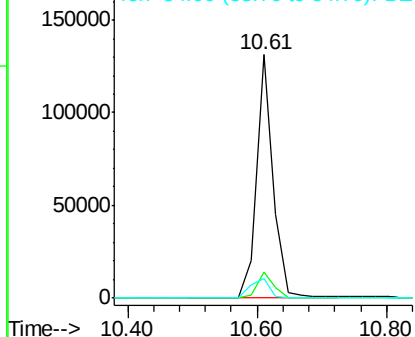
#4

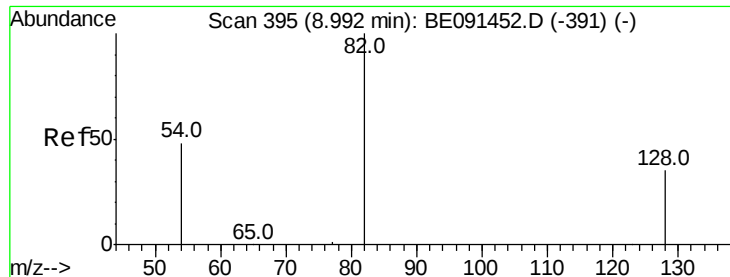
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:136 Resp: 235192
Ion Ratio Lower Upper
136 100
137 10.6 8.0 12.0
54 8.0 9.1 13.7#



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): E





#5

Nitrobenzene-d5

Concen: 3.10 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

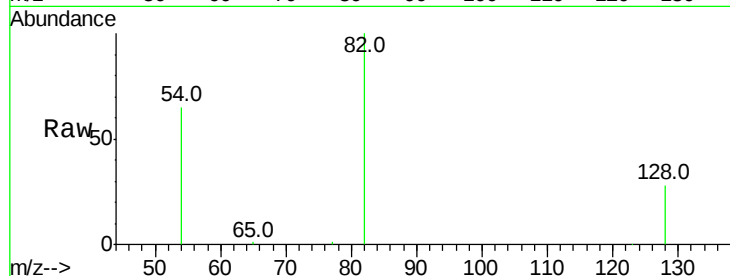
Tot Ion: 82 Resp: 38738

Ion Ratio Lower Upper

82 100

128 28.3 29.4 44.2#

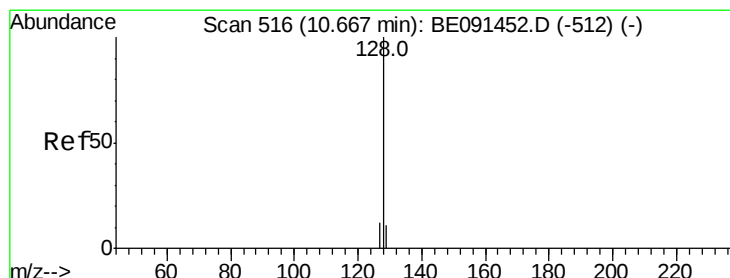
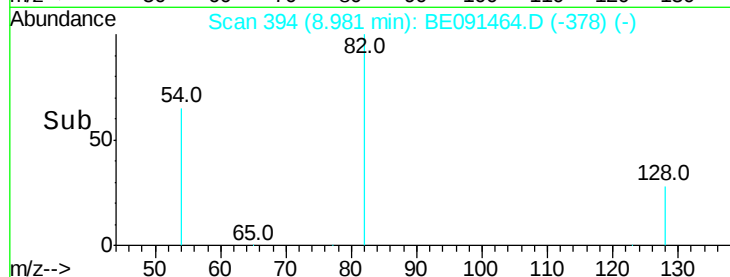
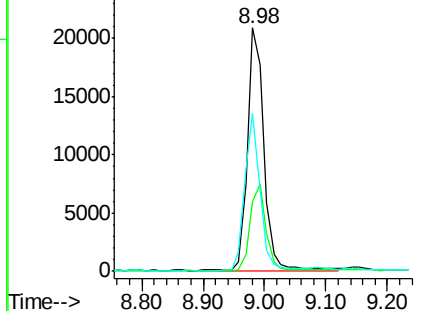
54 65.0 39.8 59.8#



Abundance Ion 82.00 (81.70 to 82.70): BE091452.D (-391) (-)

Ion 128.00 (127.70 to 128.70): BE091452.D (-391) (-)

Ion 54.00 (53.70 to 54.70): BE091452.D (-391) (-)



#6

Naphthalene

Concen: 0.02 ng

RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

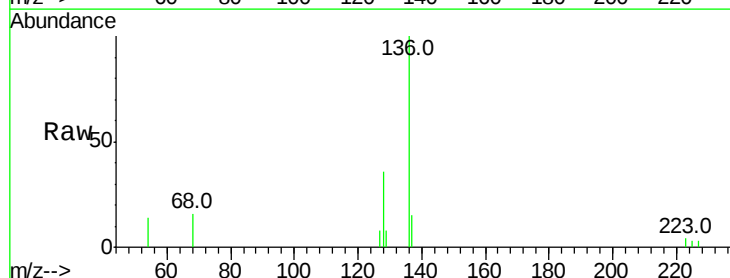
Tgt Ion: 128 Resp: 1260

Ion Ratio Lower Upper

128 100

129 22.0 9.4 14.0#

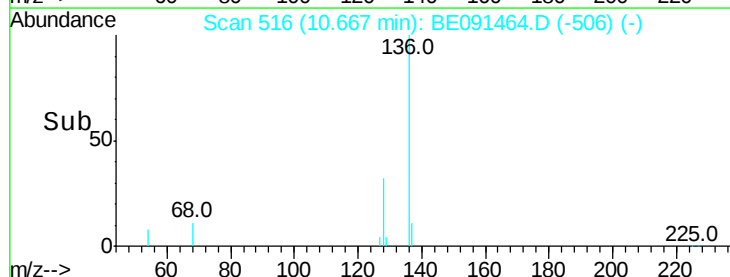
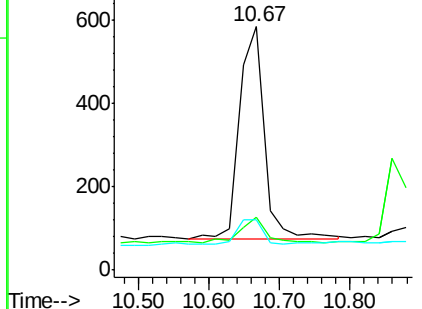
127 20.9 9.7 14.5#

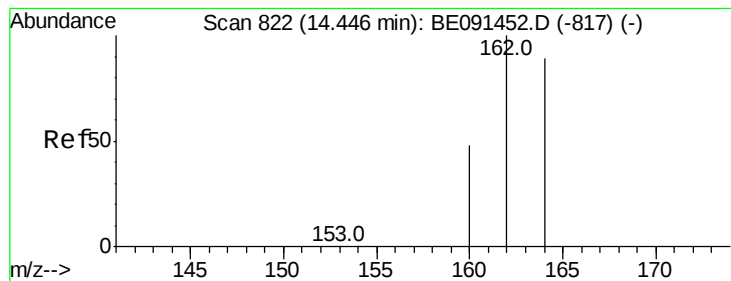


Abundance Ion 128.00 (127.70 to 128.70): BE091452.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BE091452.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BE091452.D (-512) (-)





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.45 min Scan# 822

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

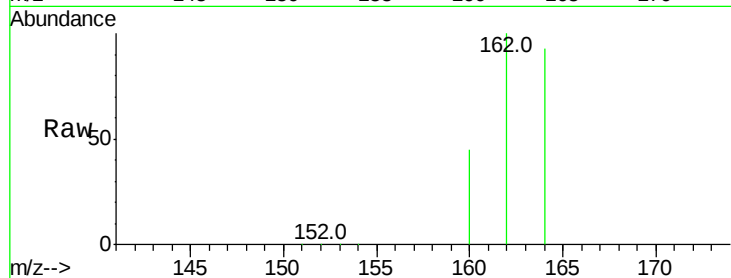
Tot Ion:164 Resp: 147652

Ion Ratio Lower Upper

164 100

162 107.9 89.8 134.8

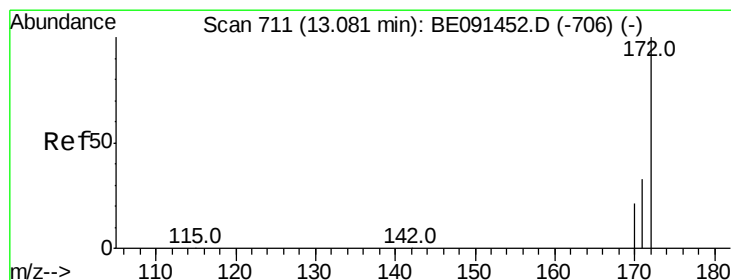
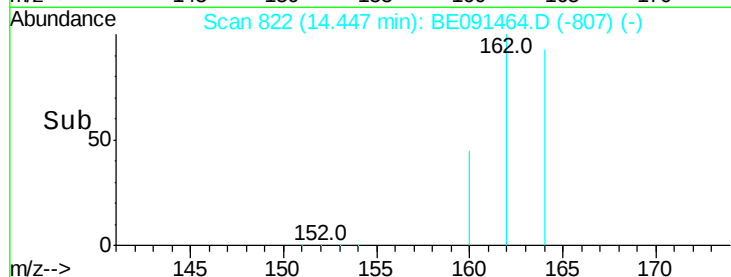
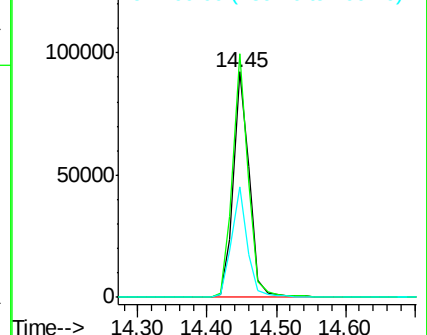
160 48.8 43.1 64.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#9

2-Fluorobiphenyl

Concen: 3.91 ng

RT: 13.08 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

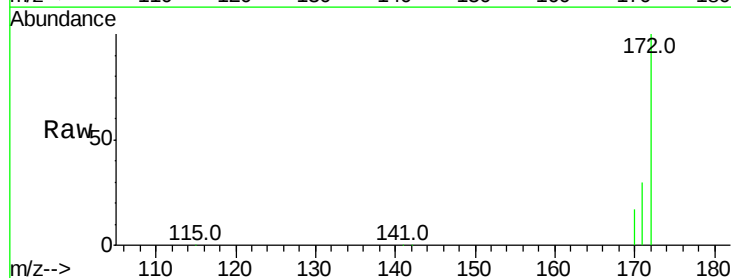
Tgt Ion:172 Resp: 149212

Ion Ratio Lower Upper

172 100

171 30.0 26.7 40.1

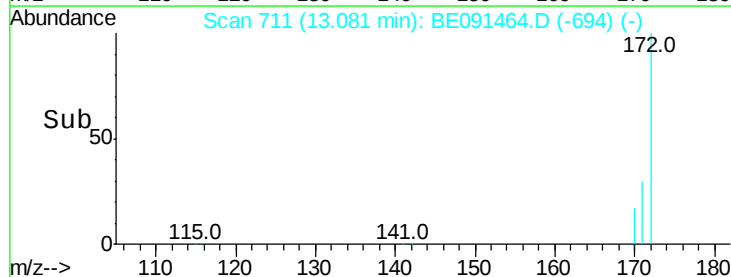
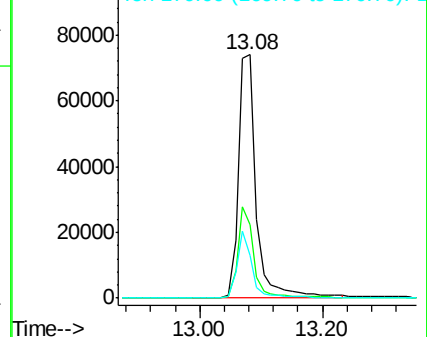
170 17.4 17.4 26.2#

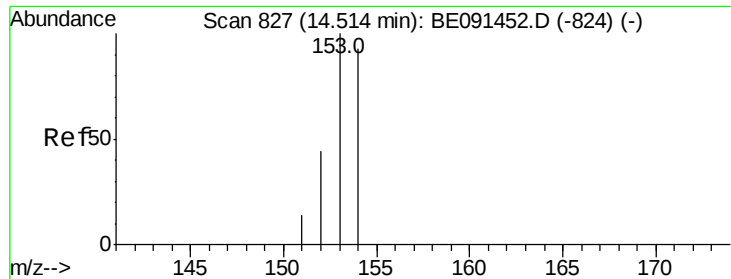


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthene

Concen: 0.02 ng

RT: 14.50 min Scan# 826

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

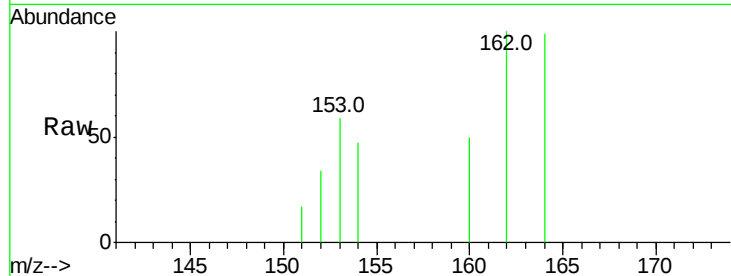
Tot Ion:154 Resp: 958

Ion Ratio Lower Upper

154 100

153 115.2 0.0 0.0#

152 57.5 0.0 0.0#



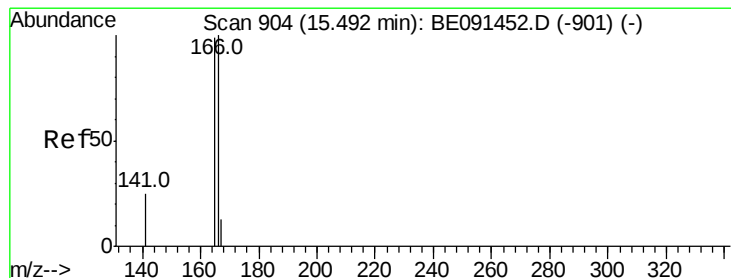
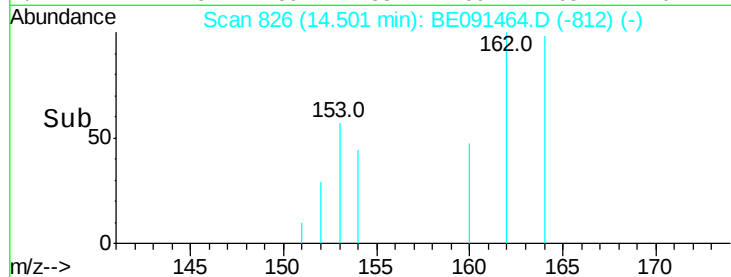
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.50

Time-->



#12

Fluorene

Concen: 0.02 ng

RT: 15.49 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

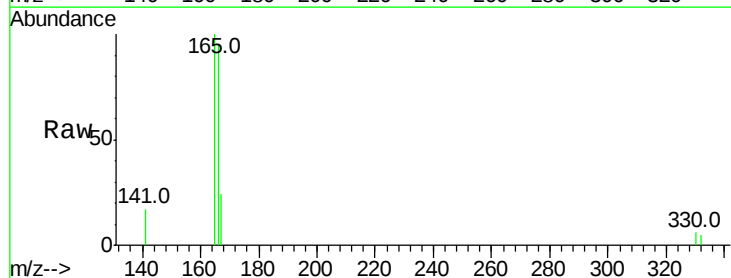
Tgt Ion:166 Resp: 1283

Ion Ratio Lower Upper

166 100

165 105.6 0.0 0.0#

167 24.7 0.0 0.0#



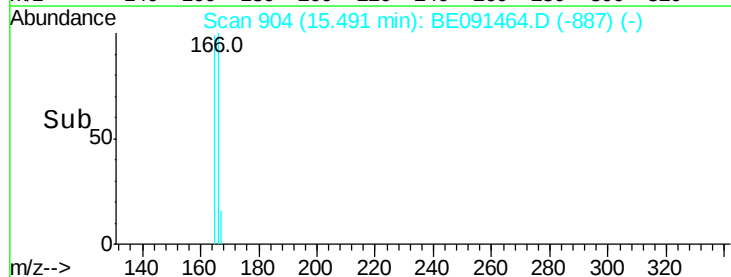
Abundance Ion 166.00 (165.70 to 166.70): E

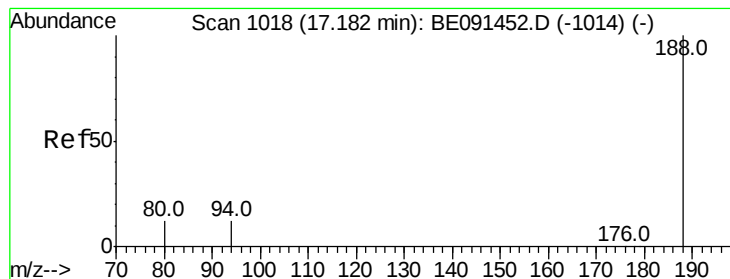
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.49

Time-->





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

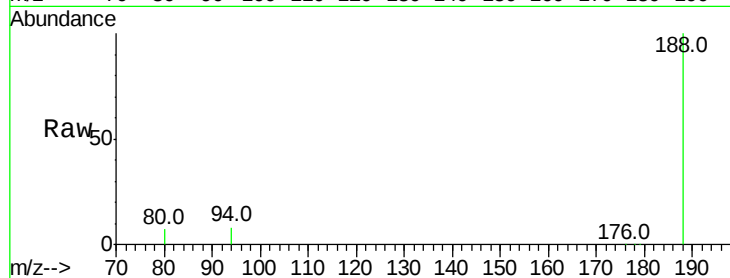
Tot Ion:188 Resp: 376466

Ion Ratio Lower Upper

188 100

94 7.6 9.5 14.3#

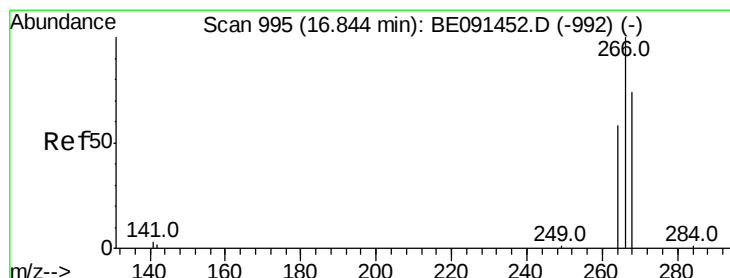
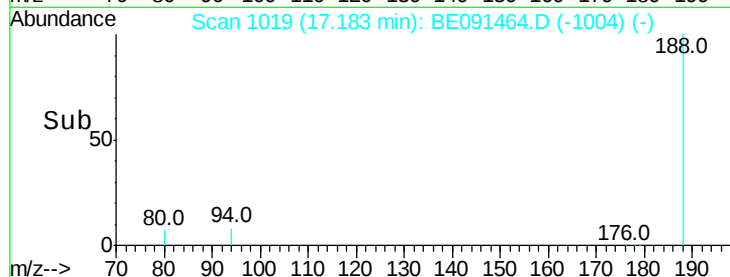
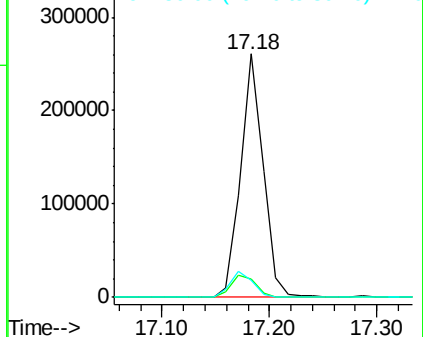
80 7.0 9.8 14.8#



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



#15

Pentachlorophenol

Concen: 0.34 ng

RT: 16.83 min Scan# 995

Delta R.T. -0.02 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

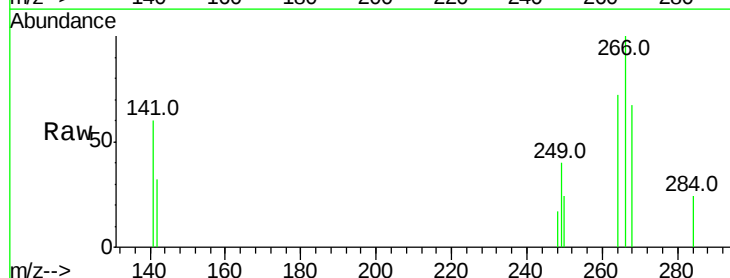
Tgt Ion:266 Resp: 911

Ion Ratio Lower Upper

266 100

268 66.9 61.0 91.6

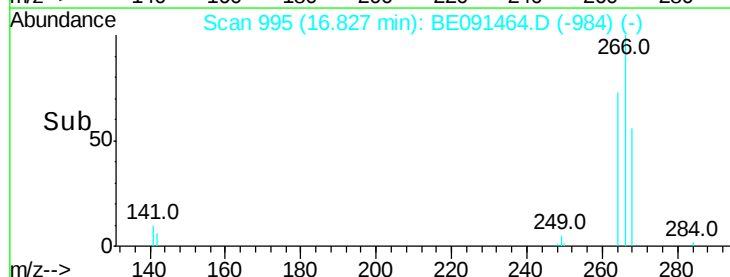
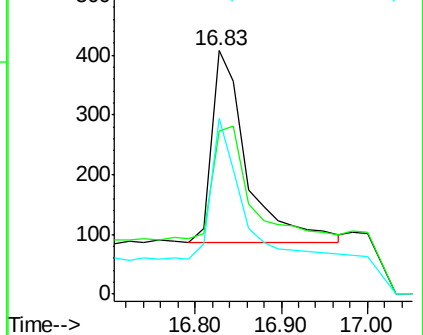
264 72.1 45.7 68.5#

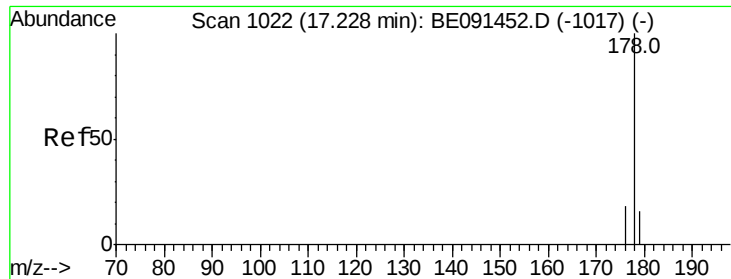


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.32 ng

RT: 17.22 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampled :

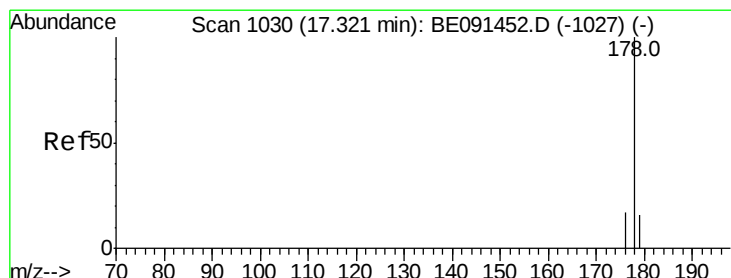
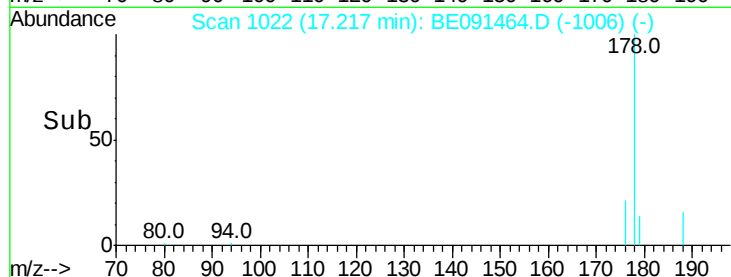
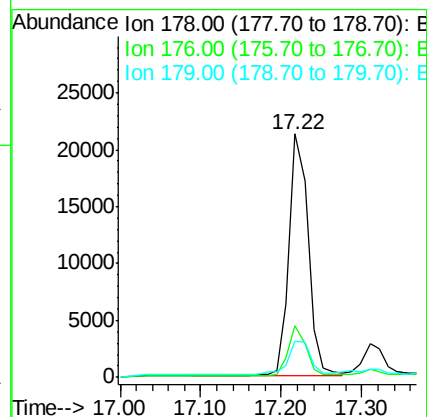
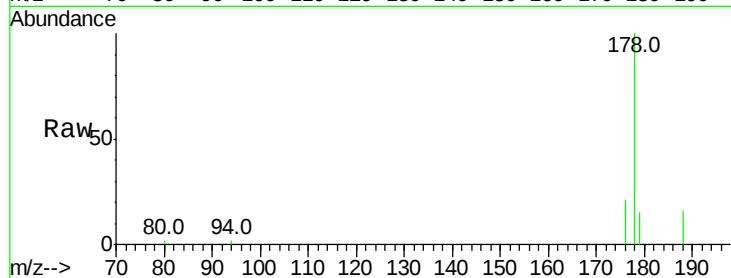
Tot Ion:178 Resp: 34889

Ion Ratio Lower Upper

178 100

176 19.4 0.0 0.0#

179 16.4 0.0 0.0#



#17

Anthracene

Concen: 0.06 ng

RT: 17.31 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

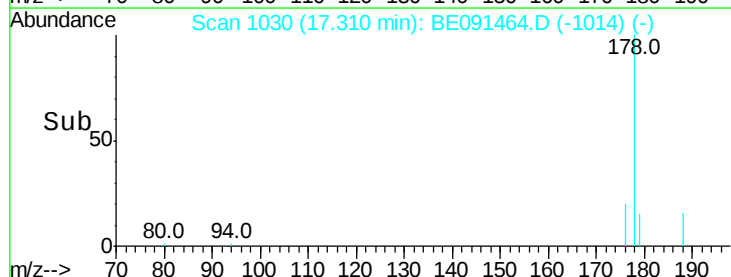
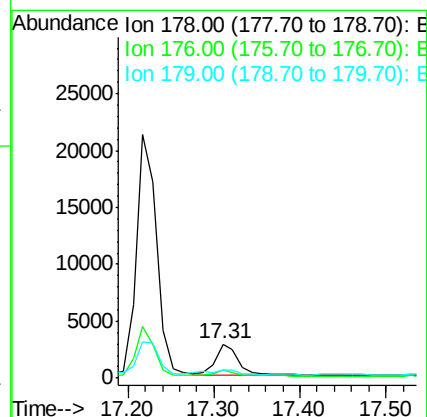
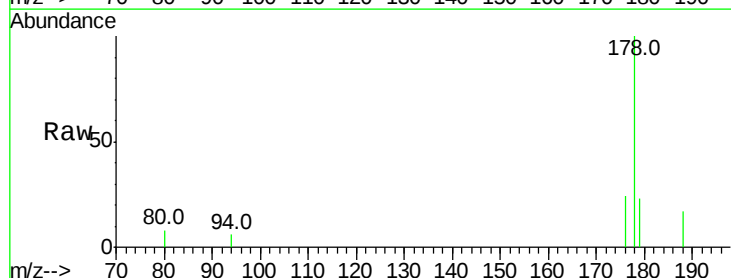
Tgt Ion:178 Resp: 5356

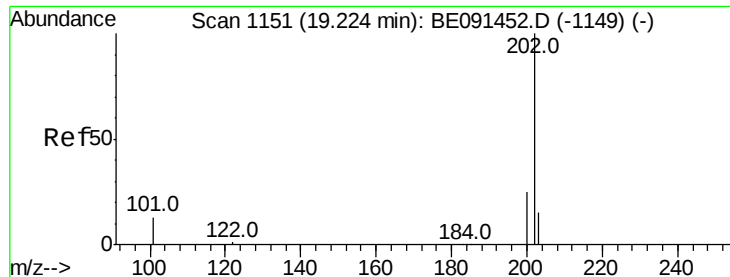
Ion Ratio Lower Upper

178 100

176 17.9 0.0 0.0#

179 21.6 0.0 0.0#

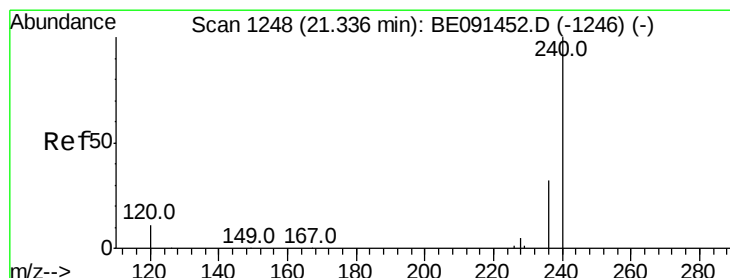
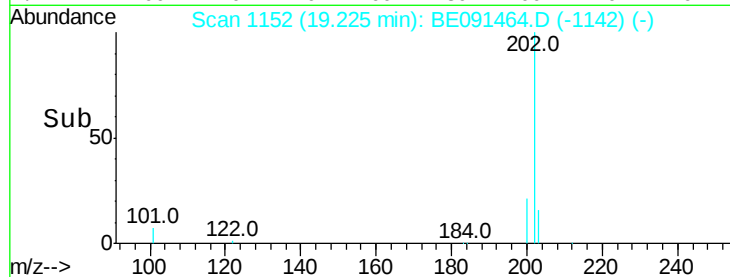
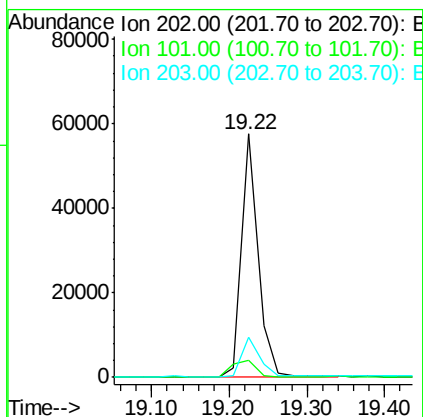
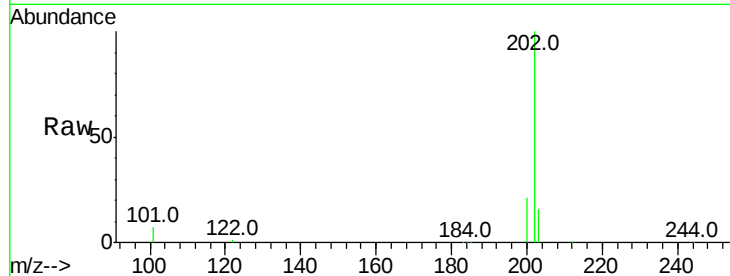




#18
 Fluoranthene
 Concen: 0.69 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

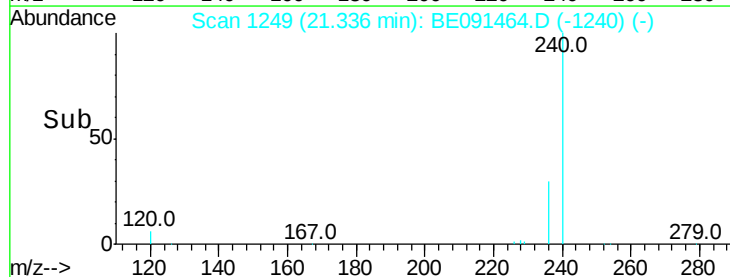
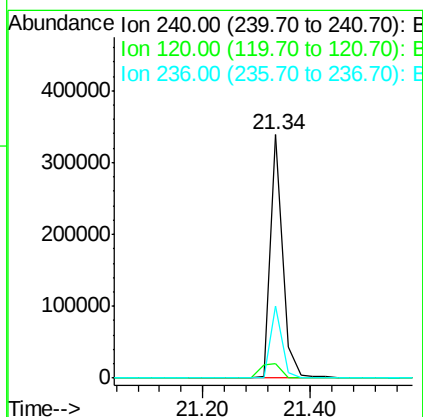
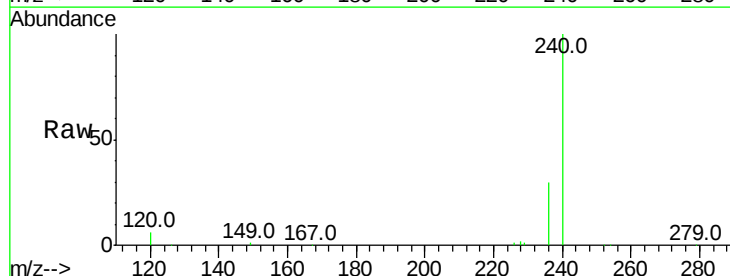
Instrument :
 BNA_E
 ClientSampleId :

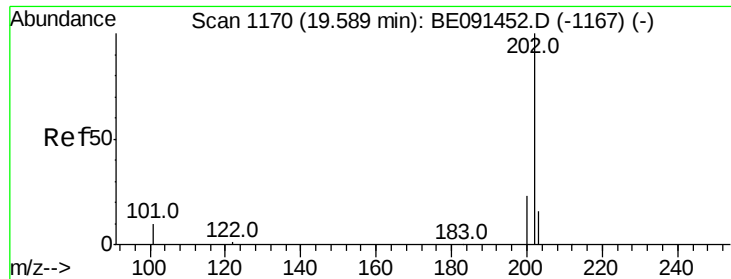
Tot Ion:202 Resp: 85264
 Ion Ratio Lower Upper
 202 100
 101 10.0 1.1 1.7#
 203 16.9 1.0 1.6#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

Tgt Ion:240 Resp: 543885
 Ion Ratio Lower Upper
 240 100
 120 5.9 8.8 13.2#
 236 29.7 25.7 38.5

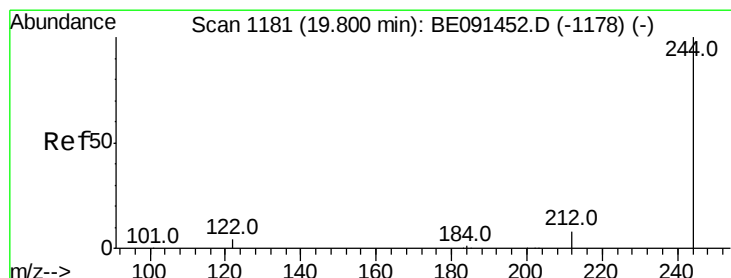
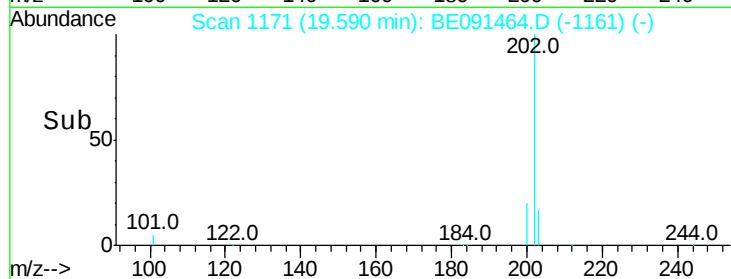
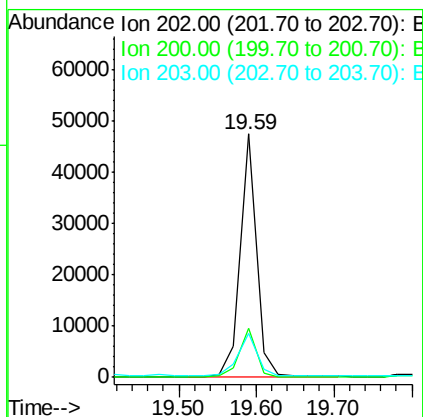
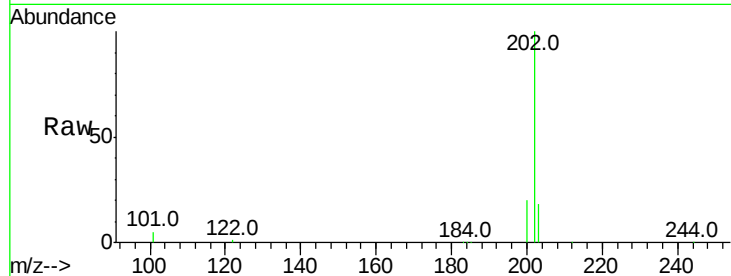




#20
Pvrene
Concen: 0.44 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

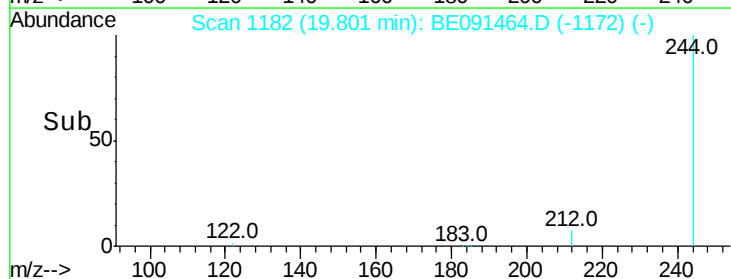
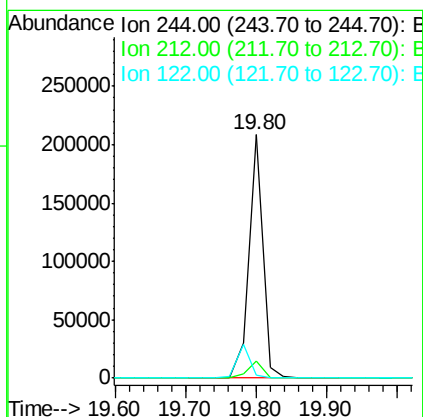
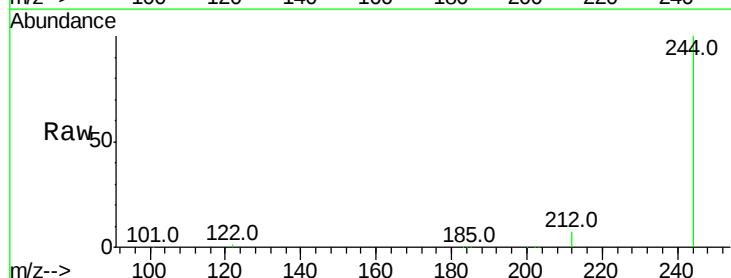
Instrument :
BNA_E
ClientSampleId :

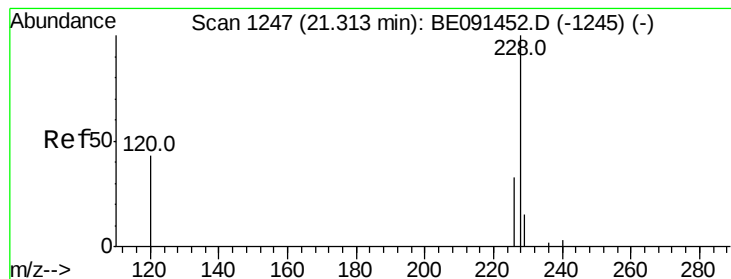
Tot Ion:202 Resp: 68520
Ion Ratio Lower Upper
202 100
200 21.2 0.0 0.0#
203 21.8 0.1 0.1#



#21
Terphenyl-d14
Concen: 3.58 ng
RT: 19.80 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:244 Resp: 289365
Ion Ratio Lower Upper
244 100
212 7.0 6.6 10.0
122 1.3 3.4 5.0#





#22

Benzo(a)anthracene

Concen: 0.44 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

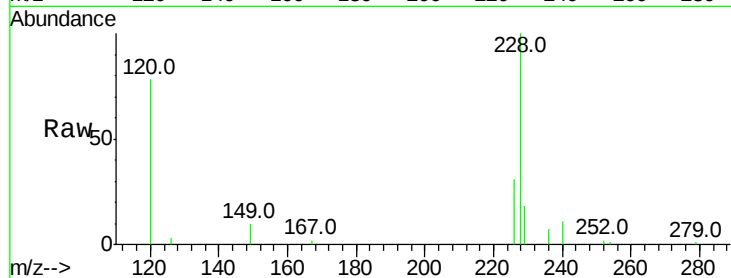
Tot Ion:228 Resp: 83958

Ion Ratio Lower Upper

228 100

226 31.0 27.1 40.7

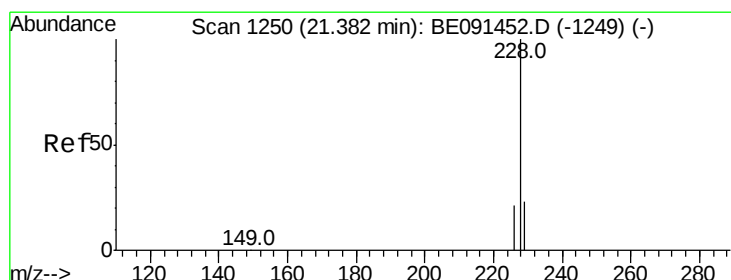
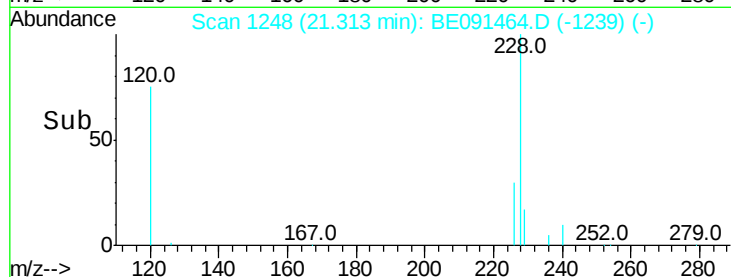
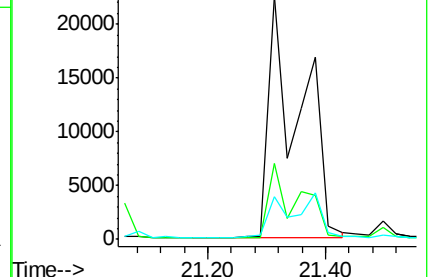
229 17.8 12.3 18.5



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



#23

Chrysene

Concen: 0.58 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.07 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

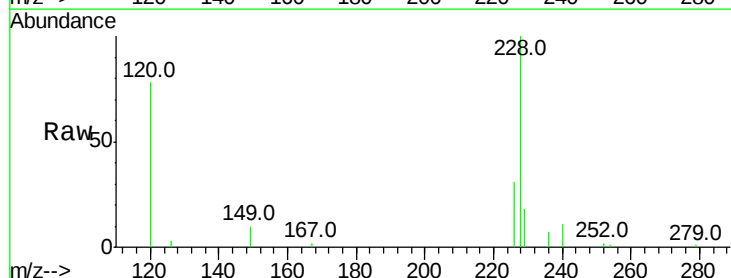
Tgt Ion:228 Resp: 84870

Ion Ratio Lower Upper

228 100

226 31.0 20.3 30.5#

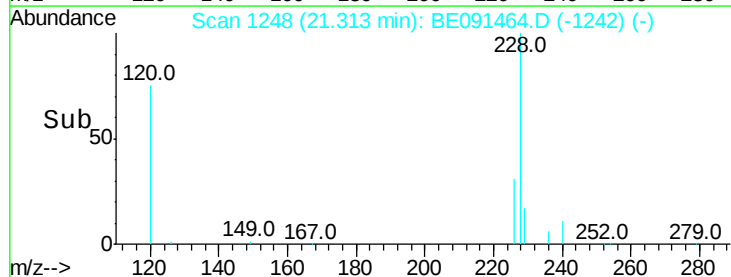
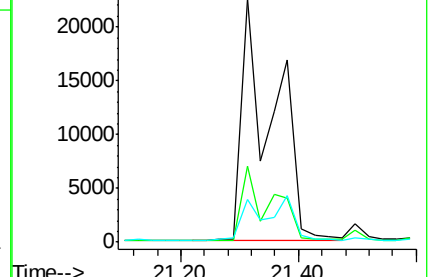
229 17.8 17.4 26.0

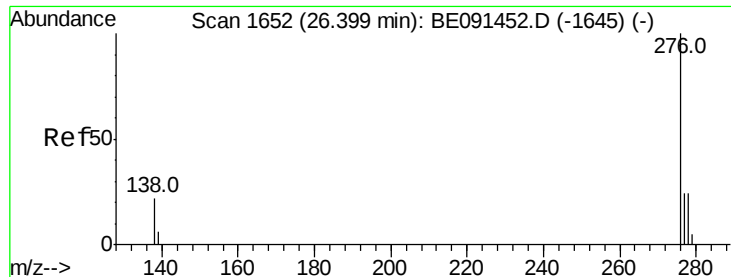


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

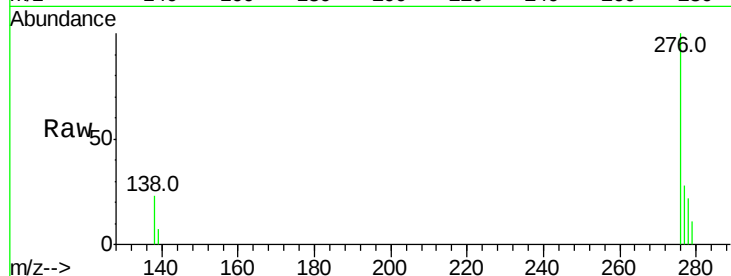




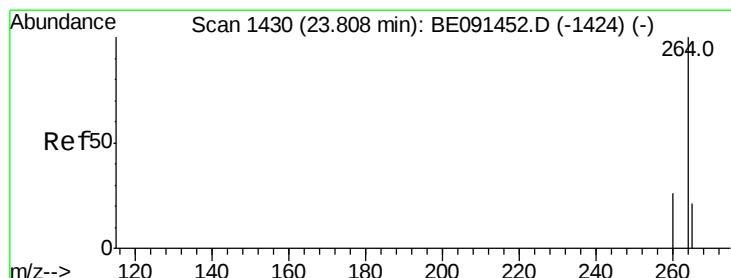
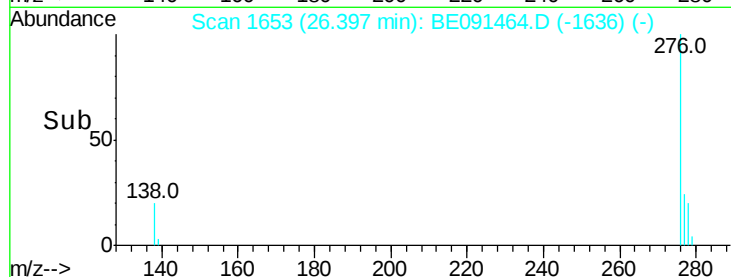
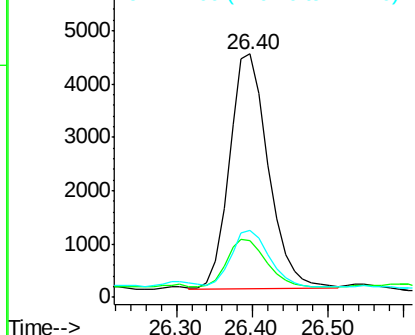
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.09 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 15652
Ion Ratio Lower Upper
276 100
138 20.8 0.0 0.0#
277 24.1 0.0 0.0#

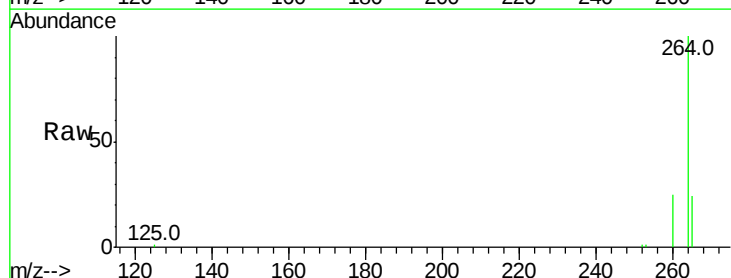


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

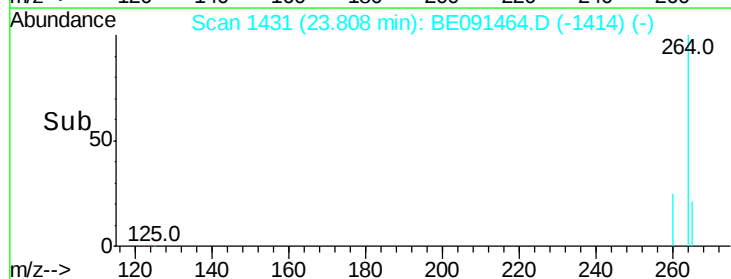
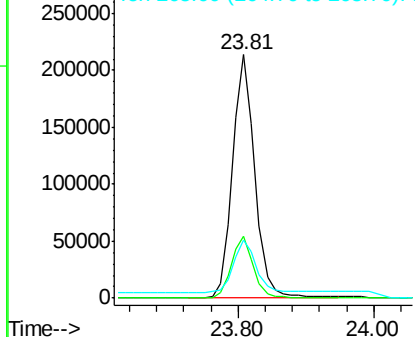


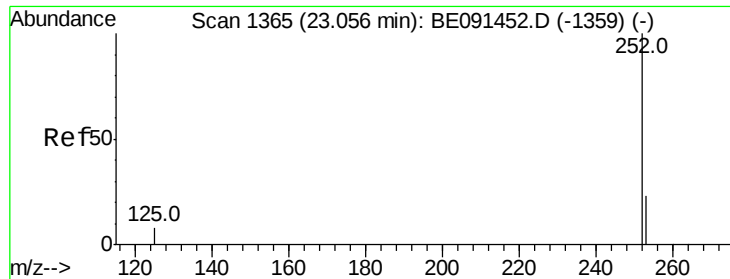
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:264 Resp: 490512
Ion Ratio Lower Upper
264 100
260 25.2 20.7 31.1
265 23.9 19.4 29.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

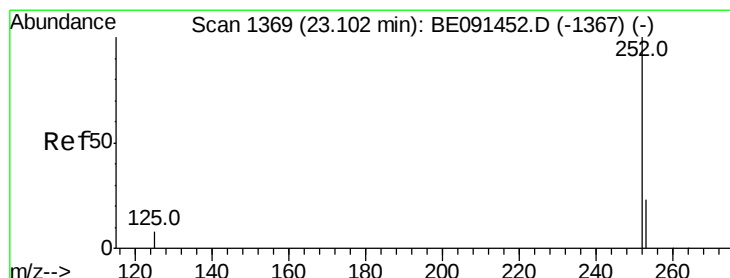
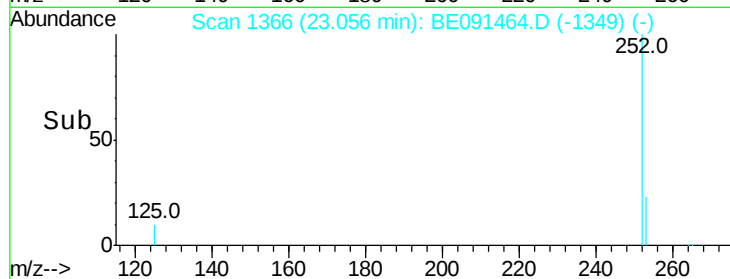
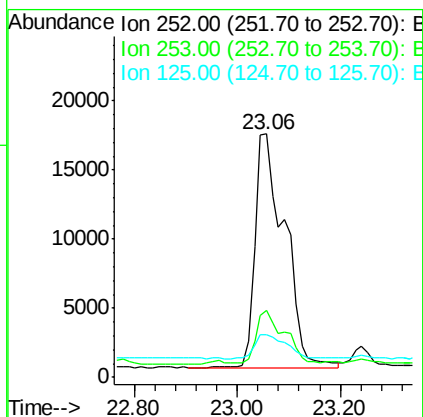
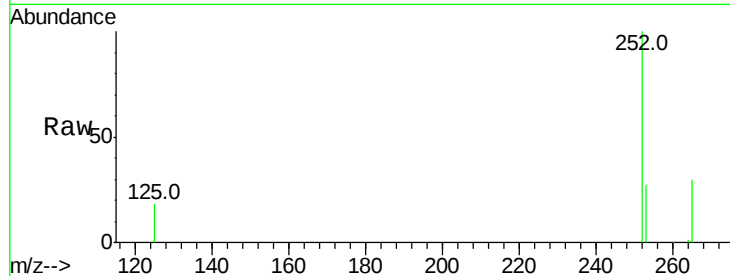




#26
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

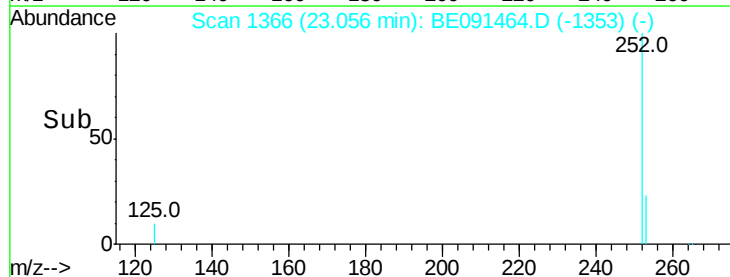
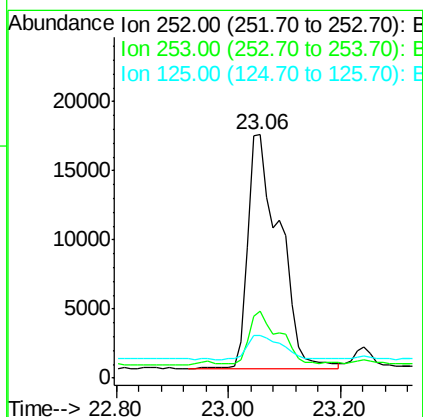
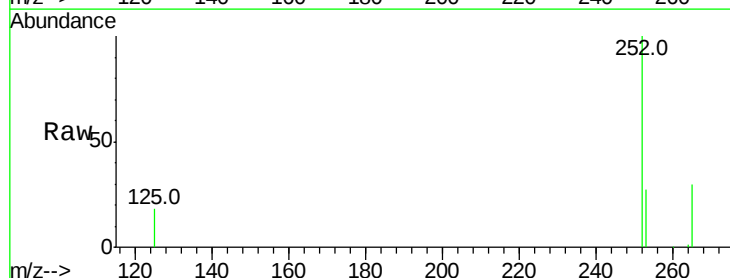
Instrument :
BNA_E
ClientSampleId :

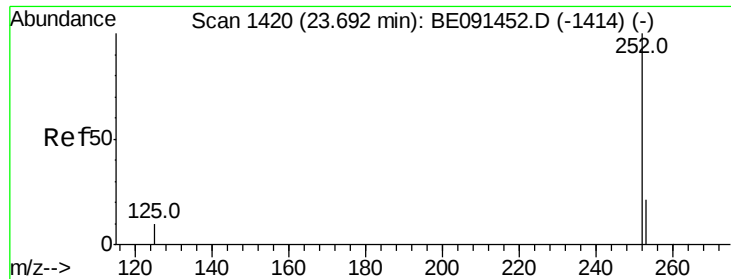
Tot Ion:252 Resp: 67237
Ion Ratio Lower Upper
252 100
253 27.5 20.6 30.8
125 17.6 10.2 15.4#



#27
Benzo(k)fluoranthene
Concen: 0.43 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.05 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:252 Resp: 66752
Ion Ratio Lower Upper
252 100
253 27.5 20.2 30.2
125 17.6 10.6 16.0#





#28

Benzo(a)pyrene

Concen: 0.16 ng

RT: 23.69 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

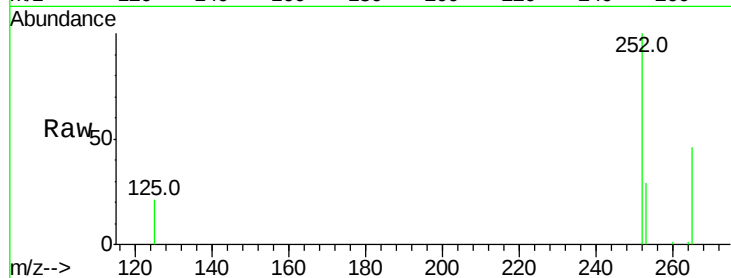
Tot Ion:252 Resp: 22431

Ion Ratio Lower Upper

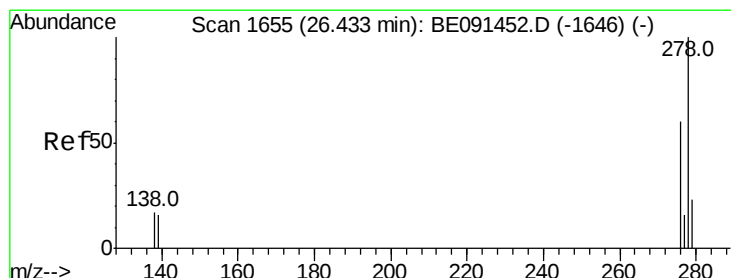
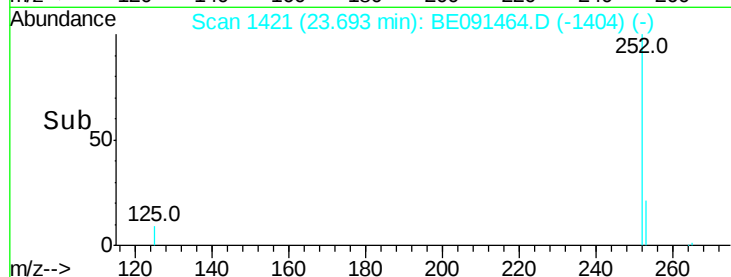
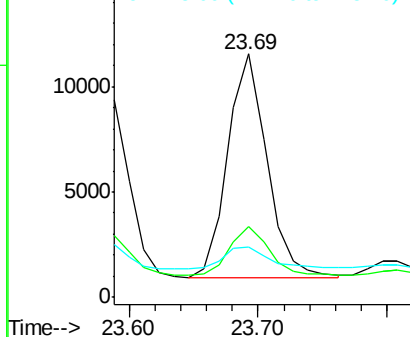
252 100

253 29.1 20.0 30.0

125 20.6 12.7 19.1#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

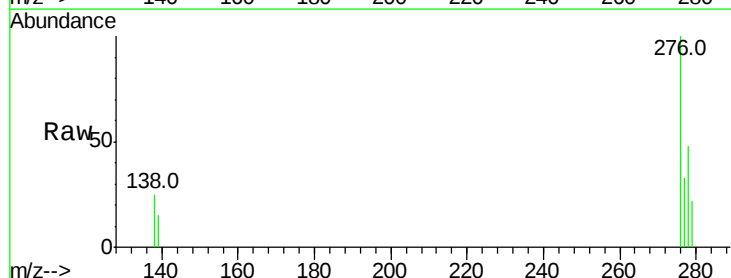
Tgt Ion:278 Resp: 4169

Ion Ratio Lower Upper

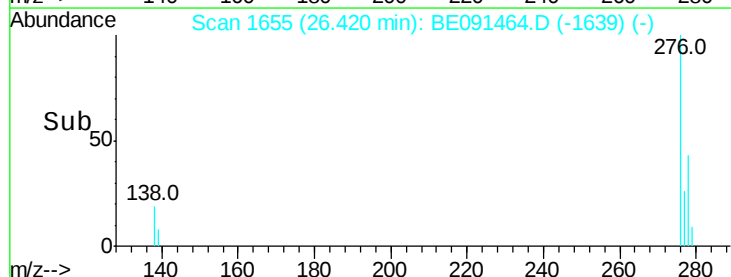
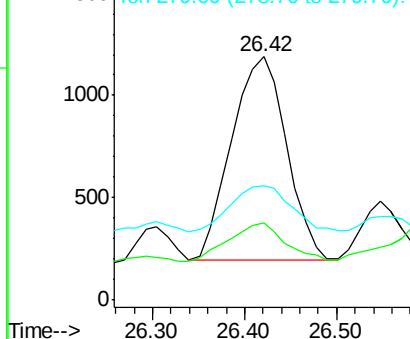
278 100

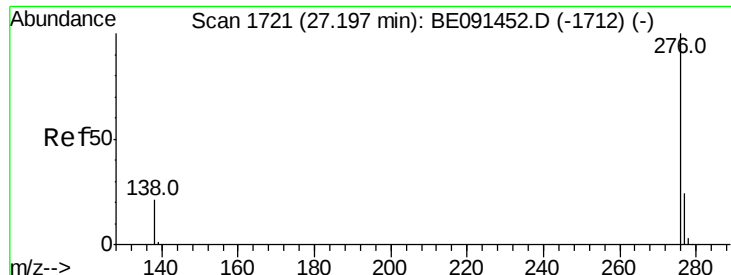
139 31.7 13.3 19.9#

279 46.8 20.9 31.3#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 0.11 ng

RT: 27.20 min Scan# 1722

Delta R.T. -0.00 min

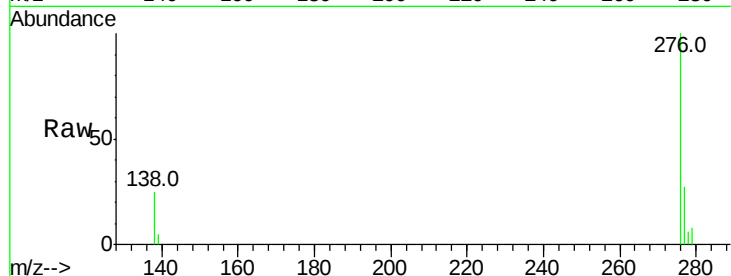
Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 15748

Ion Ratio Lower Upper

276 100

277 26.6 19.8 29.8

138 24.7 17.6 26.4

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

