

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091253.D
 Acq On : 20 Nov 2015 19:44
 Operator : UM/NP
 Sample : G4310-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM5

Quant Time: Nov 21 02:54:23 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 02:52:22 2015
 Response via : Initial Calibration

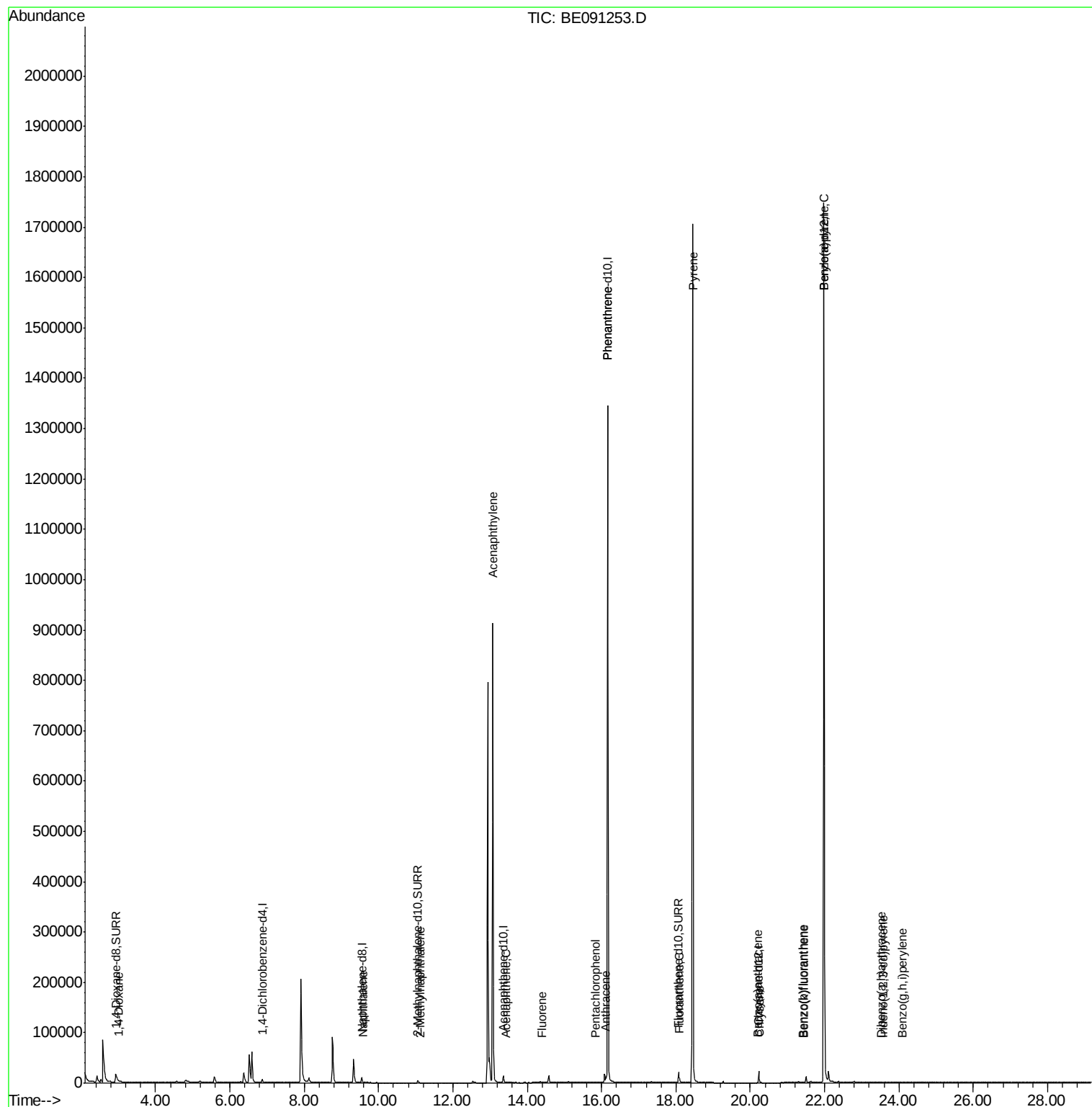
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2792	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13867	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7793	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1497188	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	22759	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1844704	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	22517	11.21	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	6660	0.35	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	21442	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.01	88	33	0.01	ng/ul#	24
5) Naphthalene	9.58	128	1030	0.03	ng/ul#	52
7) 2-Methylnaphthalene	11.12	142	89	0.00	ng/ul	92
9) Acenaphthylene	13.07	152	186	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	89	0.00	ng/ul#	55
11) Fluorene	14.40	166	278	0.01	ng/ul#	87
13) Pentachlorophenol	15.85	266	379	0.00	ng/ul#	77
14) Phenanthrene	16.16	178	4554	0.00	ng/ul#	1
15) Anthracene	16.11	178	8788	0.00	ng/ul	94
17) Fluoranthene	18.09	202	9625	0.00	ng/ul	84
19) Pyrene	18.45	202	18892	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	910	0.02	ng/ul#	76
21) Chrysene	20.26	228	1164	0.02	ng/ul#	88
23) Benzo(b)fluoranthene	21.41	252	50	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	29	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7056	0.00	ng/ul#	52
26) Indeno(1,2,3-cd)pyrene	23.57	276	49	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	47	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	46	0.00	ng/ul#	1

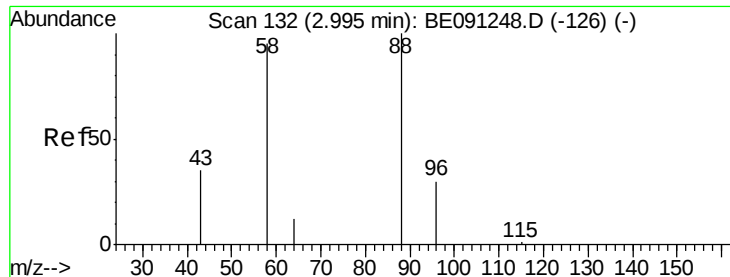
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.01 min Scan# 134

Delta R.T. 0.01 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

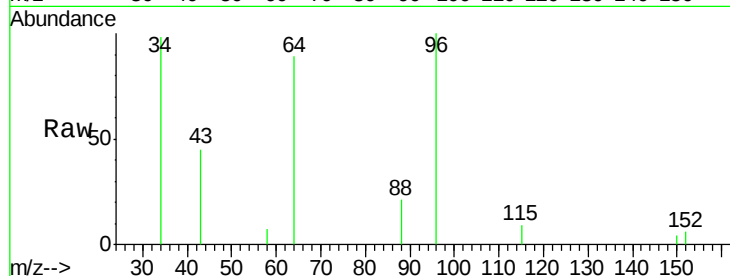
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

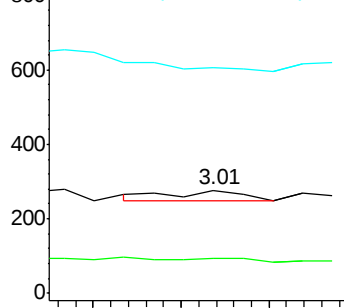
43 0.0 24.2 36.2#



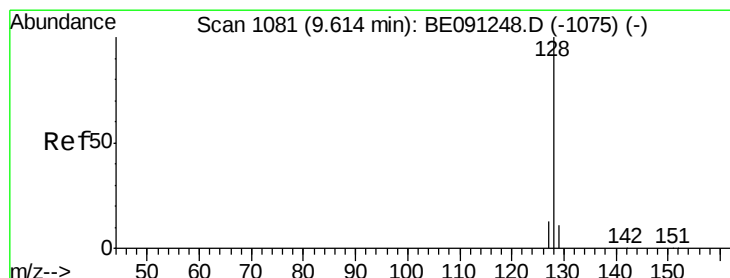
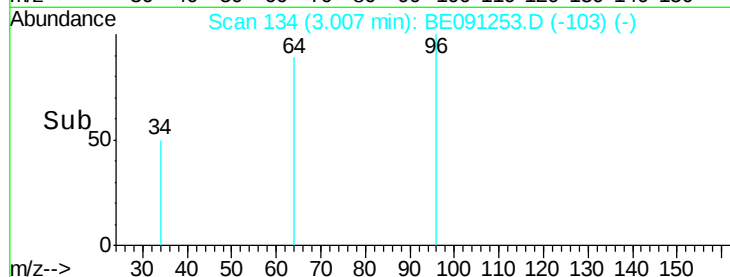
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.03 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

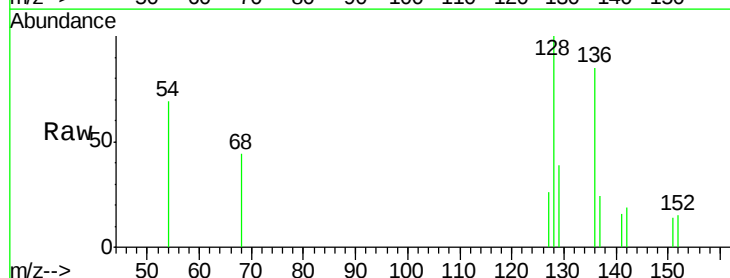
Tgt Ion: 128 Resp: 1030

Ion Ratio Lower Upper

128 100

129 38.6 9.8 14.8#

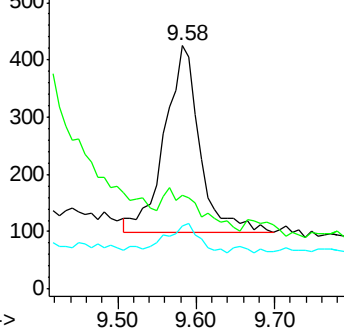
127 25.9 10.7 16.1#



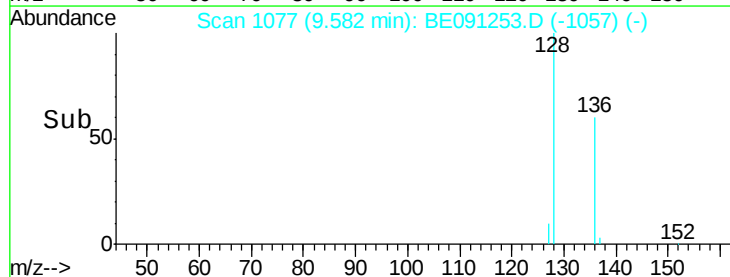
Abundance Ion 128.00 (127.70 to 128.70): E

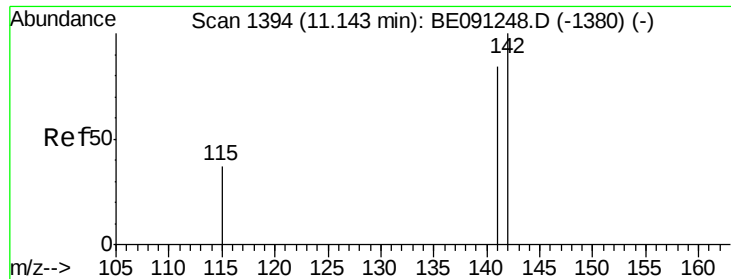
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

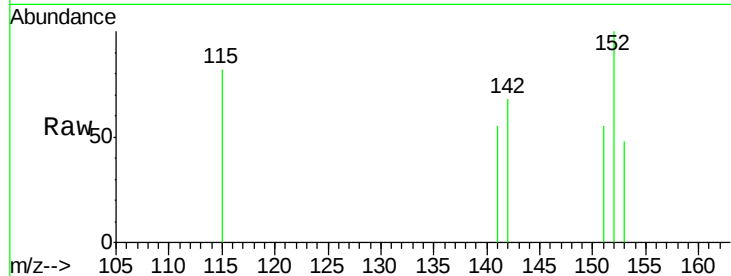
D9KM5

Tot Ion:142 Resp: 89

Ion Ratio Lower Upper

142 100

141 80.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

120

100

80

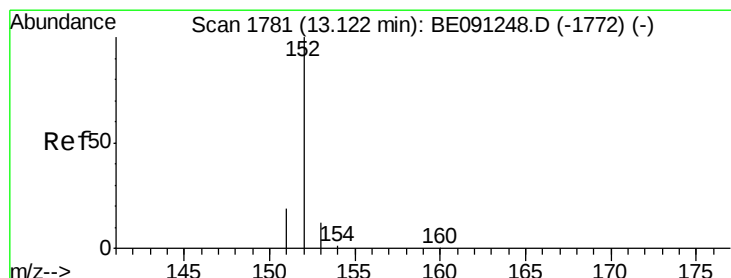
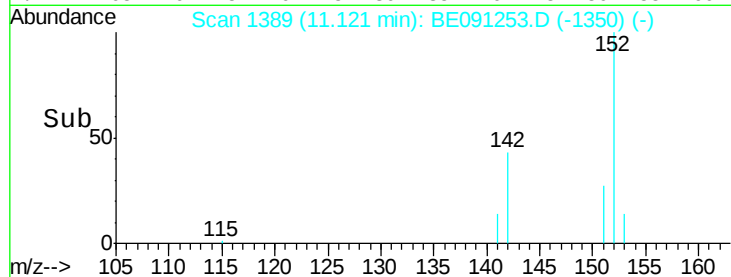
60

40

20

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

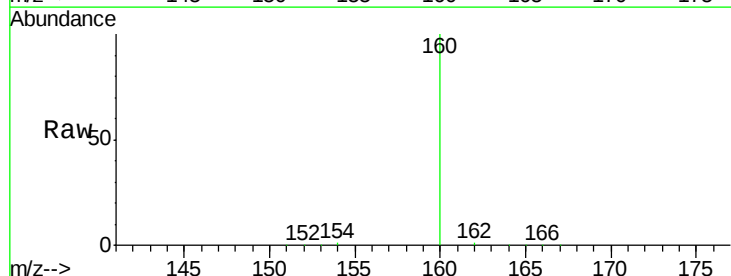
Tgt Ion:152 Resp: 186

Ion Ratio Lower Upper

152 100

151 65.9 16.8 25.2#

153 160.6 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

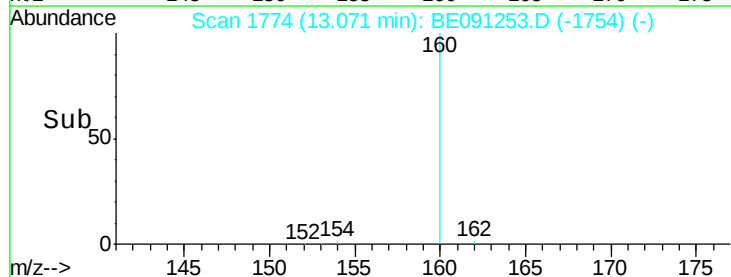
300

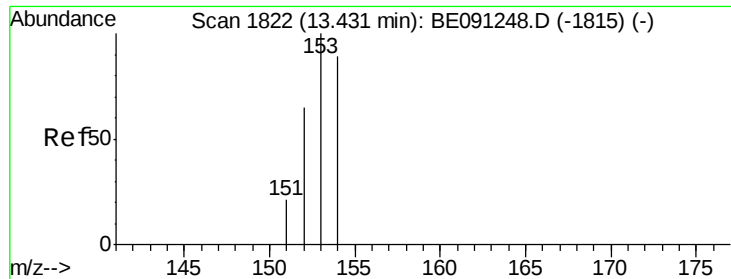
200

100

0

Time--> 13.00 13.05 13.10 13.15





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

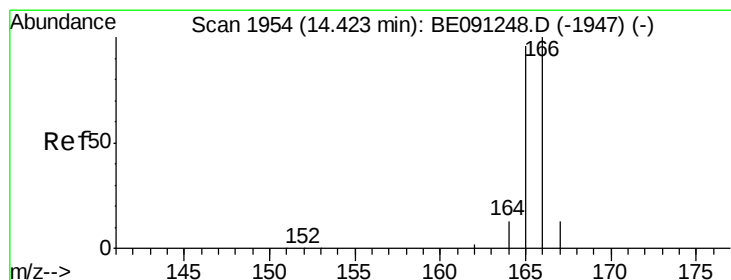
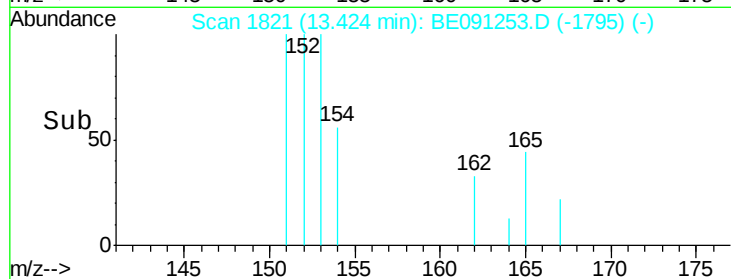
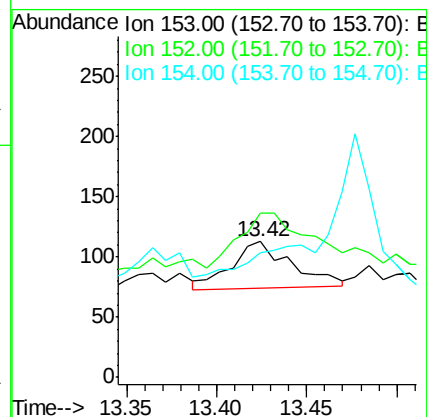
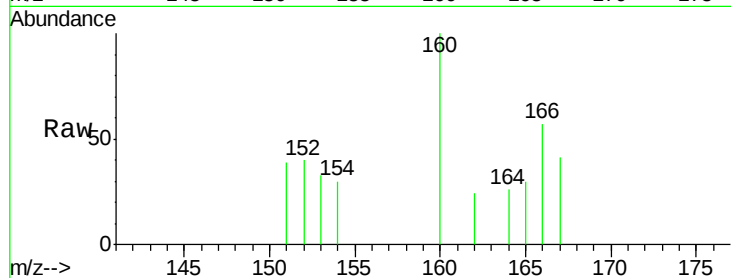
Tot Ion:153 Resp: 89

Ion Ratio Lower Upper

153 100

152 120.4 42.3 63.5#

154 91.2 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

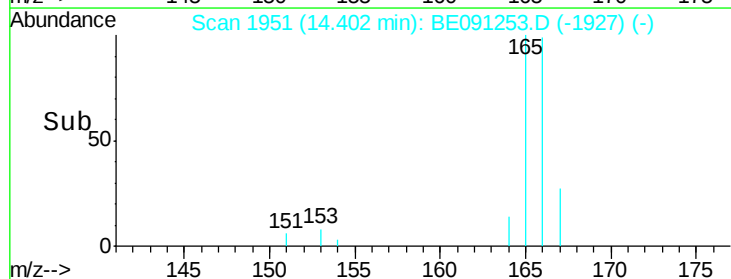
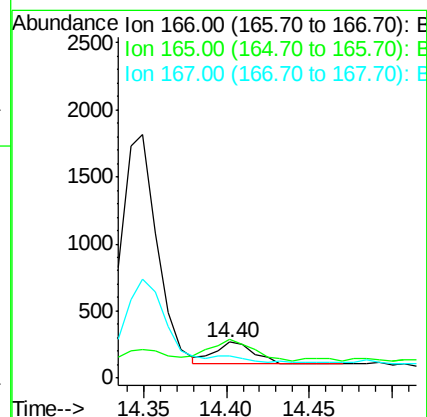
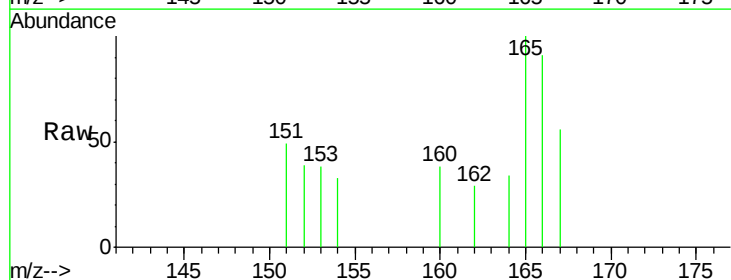
Tgt Ion:166 Resp: 278

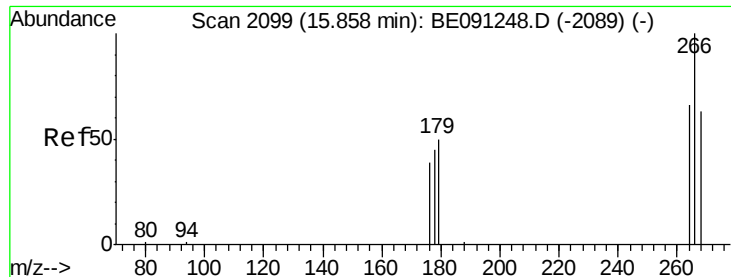
Ion Ratio Lower Upper

166 100

165 109.4 87.6 131.4

167 61.7 11.1 16.7#

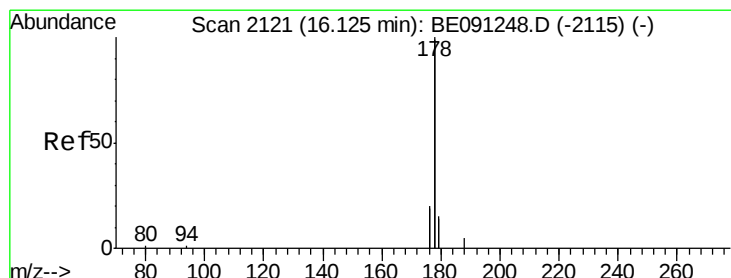
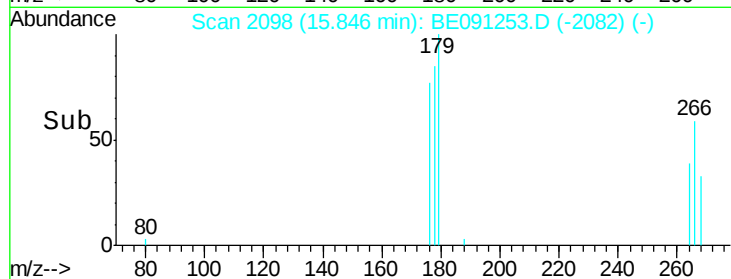
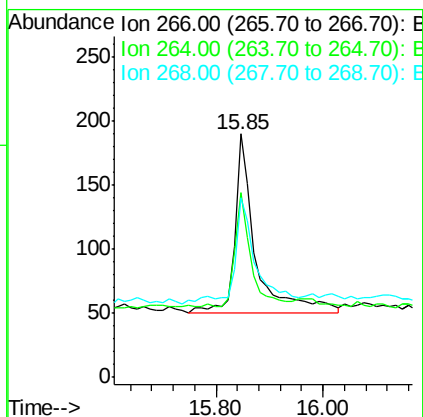
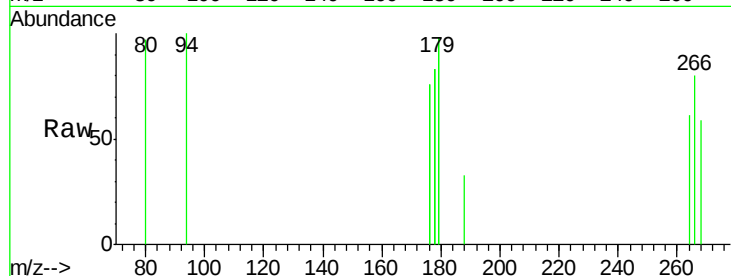




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091253.D
 Acq: 20 Nov 2015 19:44

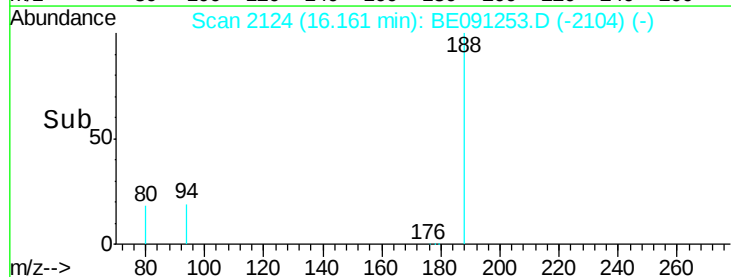
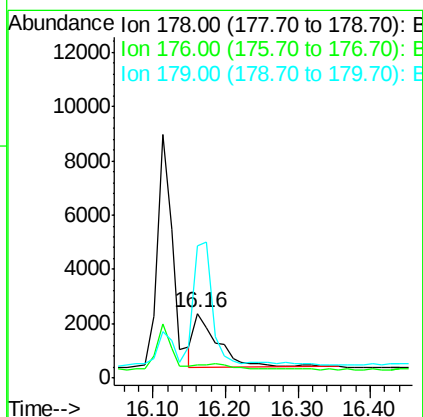
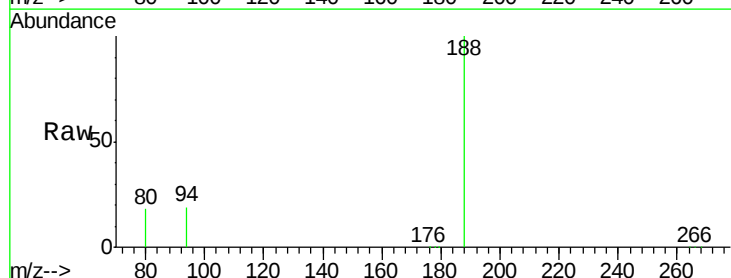
Instrument :
 BNA_E
 ClientSampleId :
 D9KM5

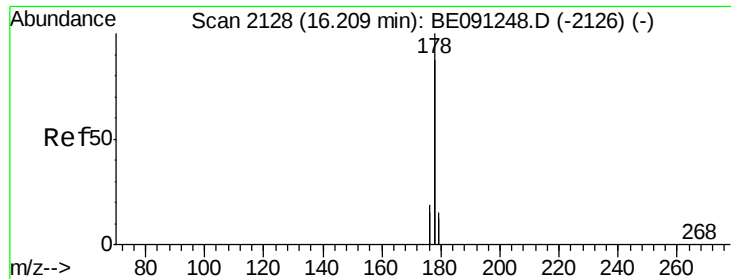
Tot Ion:266 Resp: 379
 Ion Ratio Lower Upper
 266 100
 264 48.5 53.5 80.3#
 268 49.6 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091253.D
 Acq: 20 Nov 2015 19:44

Tgt Ion:178 Resp: 4554
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 203.0 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

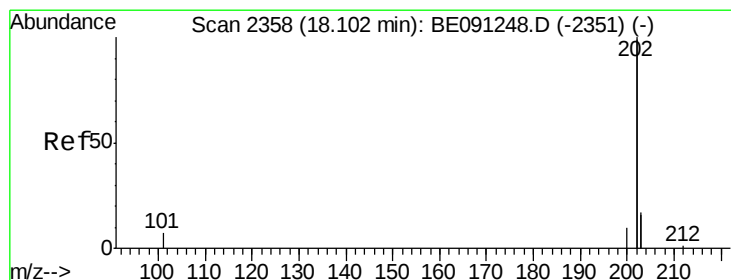
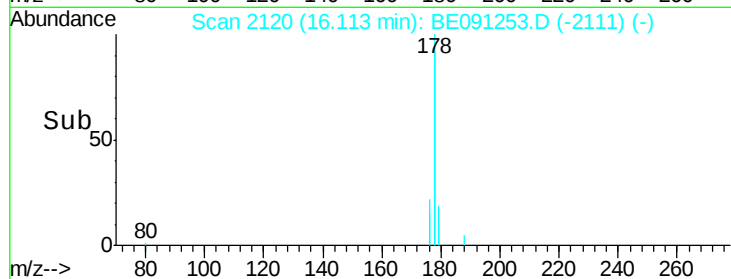
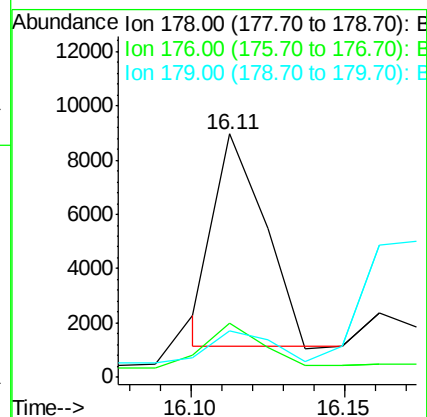
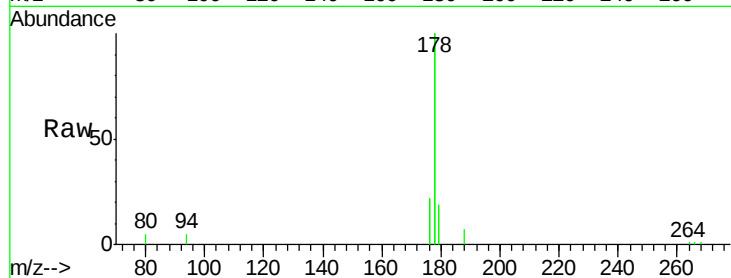
Tot Ion:178 Resp: 8788

Ion Ratio Lower Upper

178 100

176 22.5 15.8 23.8

179 19.3 13.3 19.9



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

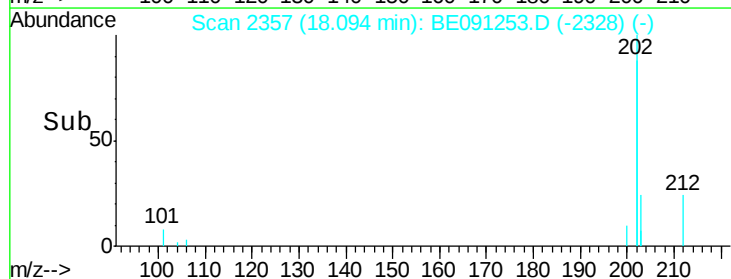
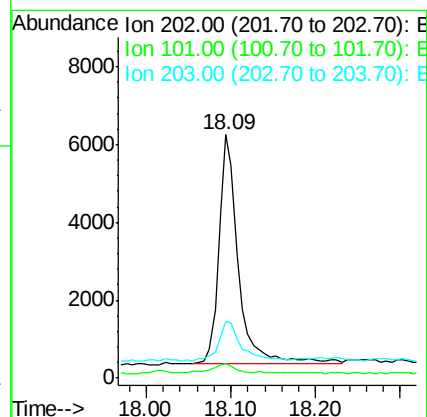
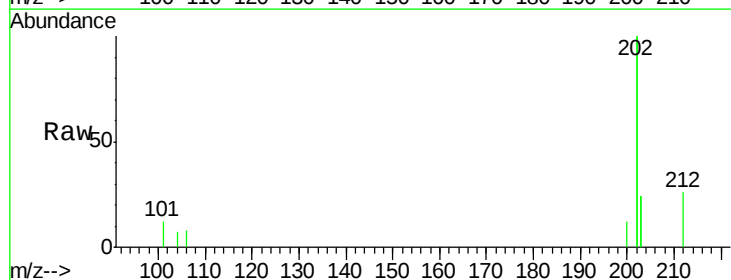
Tgt Ion:202 Resp: 9625

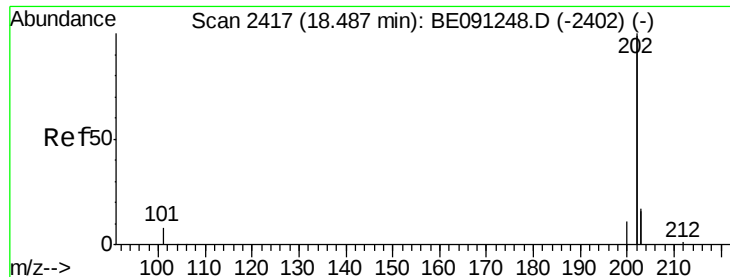
Ion Ratio Lower Upper

202 100

101 5.8 0.0 33.1

203 23.6 0.0 37.2





#19

Pvrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

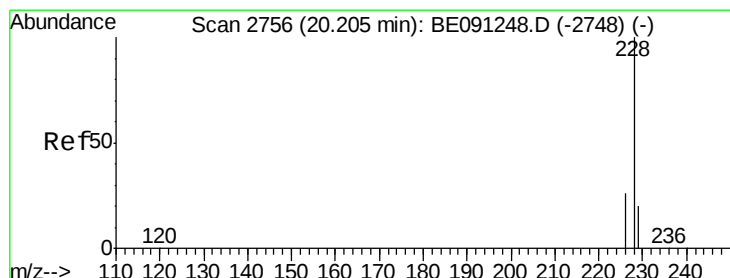
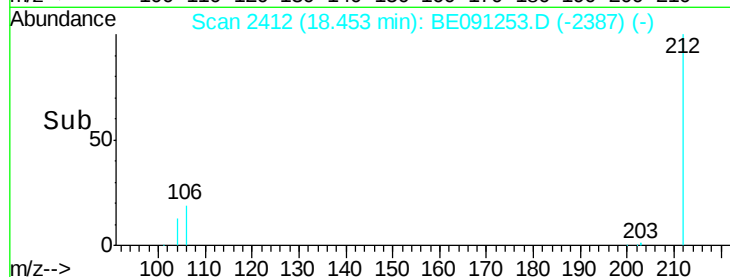
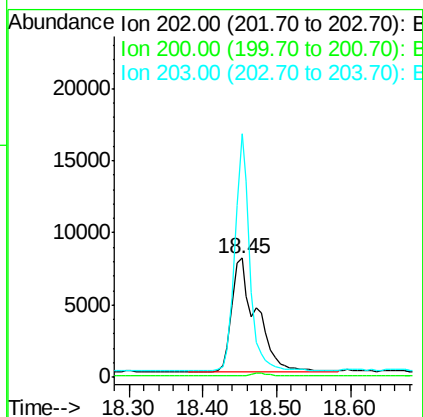
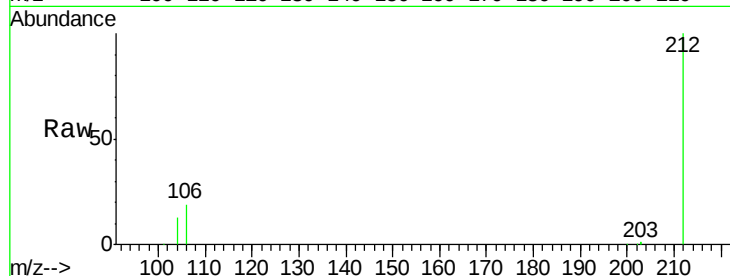
Tot Ion:202 Resp: 18892

Ion Ratio Lower Upper

202 100

200 1.9 18.0 27.0#

203 204.4 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

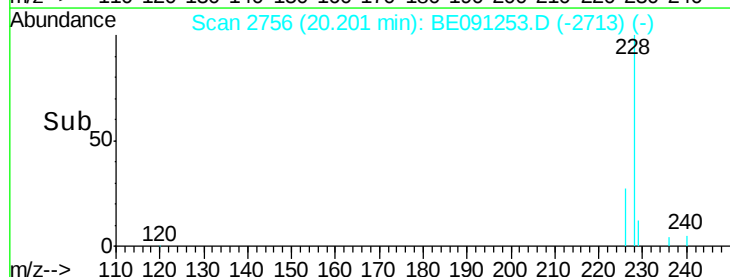
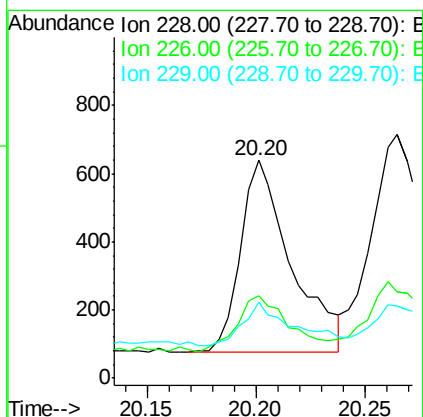
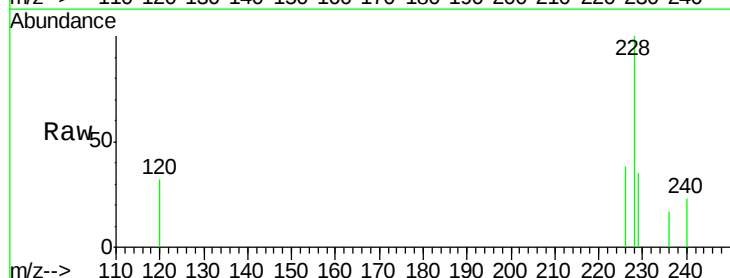
Tgt Ion:228 Resp: 910

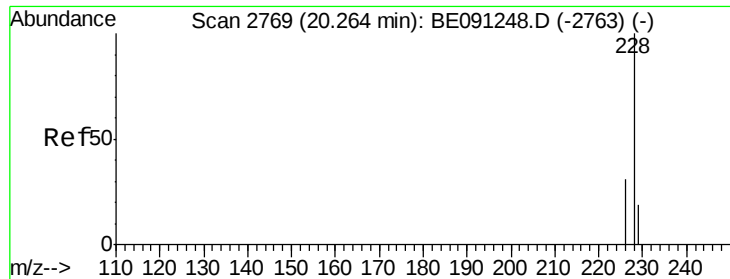
Ion Ratio Lower Upper

228 100

226 37.9 23.0 34.4#

229 34.9 15.2 22.8#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

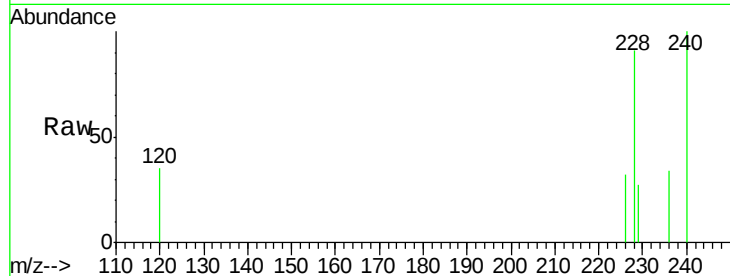
Tot Ion:228 Resp: 1164

Ion Ratio Lower Upper

228 100

226 35.4 25.7 38.5

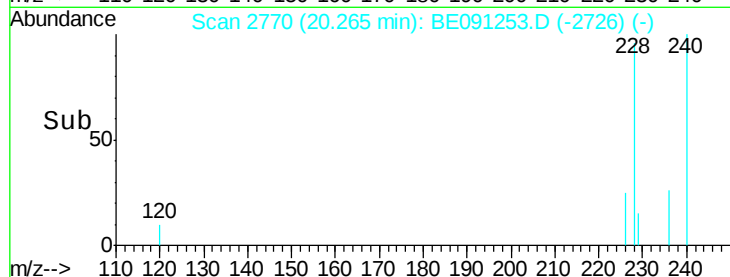
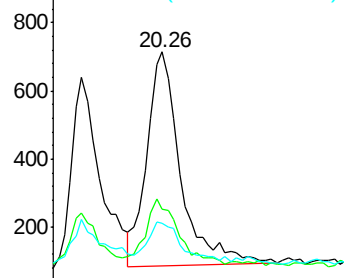
229 29.6 15.2 22.8#



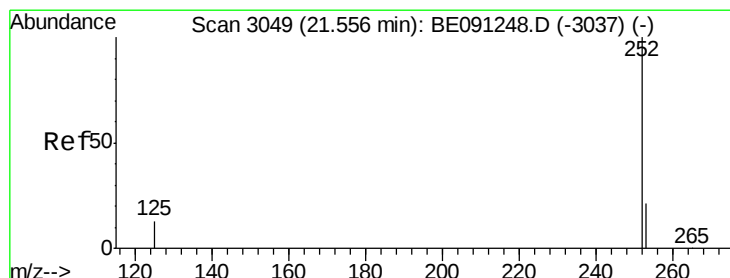
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 20.20 20.30



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.41 min Scan# 3018

Delta R.T. -0.15 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

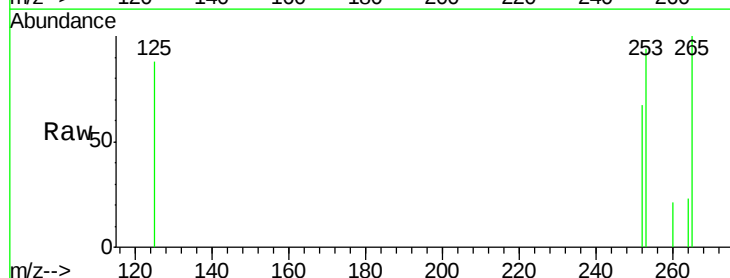
Tgt Ion:252 Resp: 50

Ion Ratio Lower Upper

252 100

253 140.7 0.0 48.0#

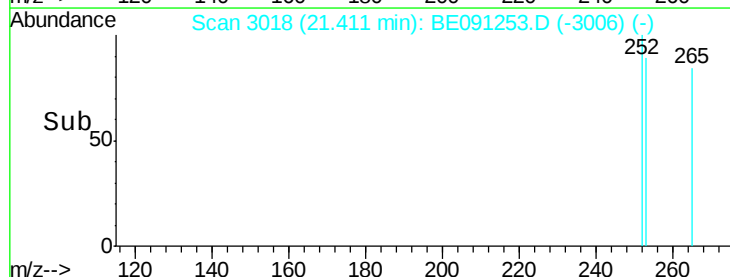
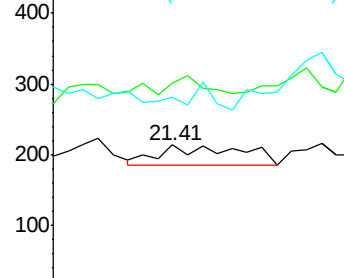
125 131.8 0.0 36.6#



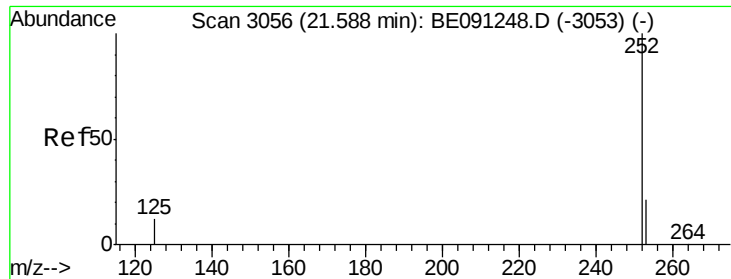
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 21.40 21.45



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.46 min Scan# 3028

Delta R.T. -0.13 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

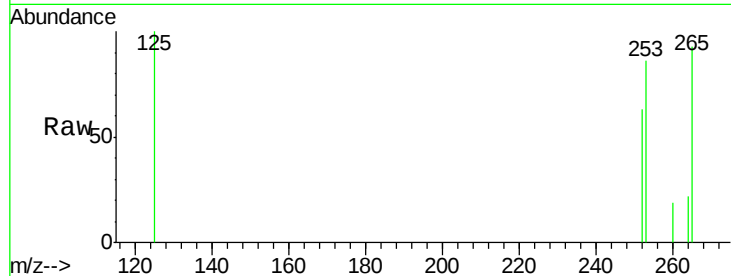
Tot Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 135.9 20.8 31.2#

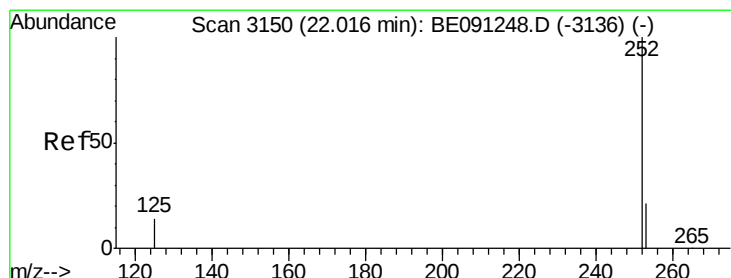
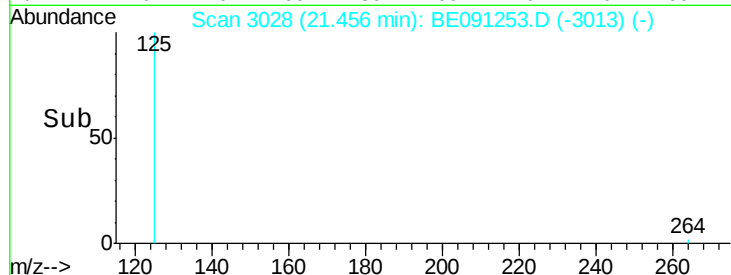
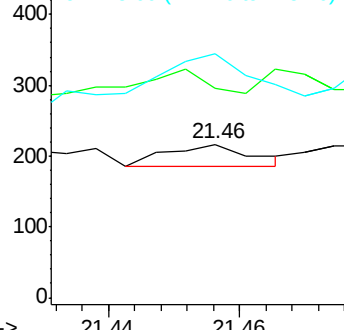
125 158.5 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

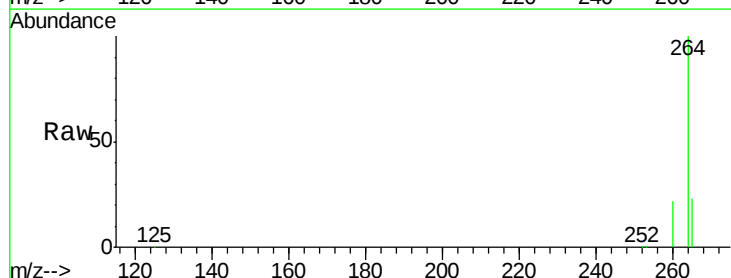
Tgt Ion:252 Resp: 7056

Ion Ratio Lower Upper

252 100

253 35.9 21.8 32.8#

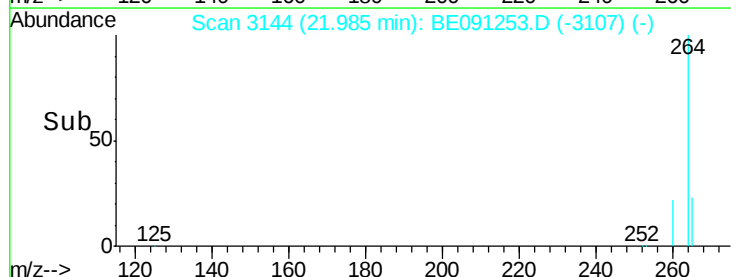
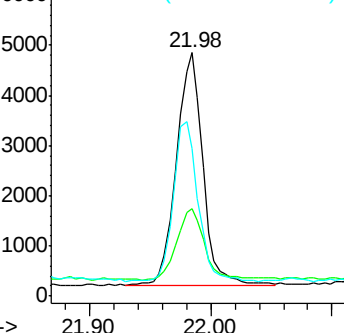
125 60.4 14.5 21.7#

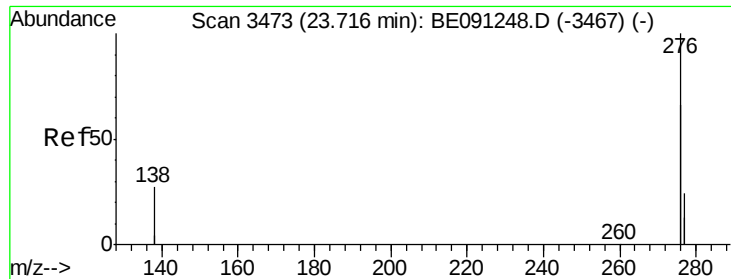


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.57 min Scan# 3452

Delta R.T. -0.14 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

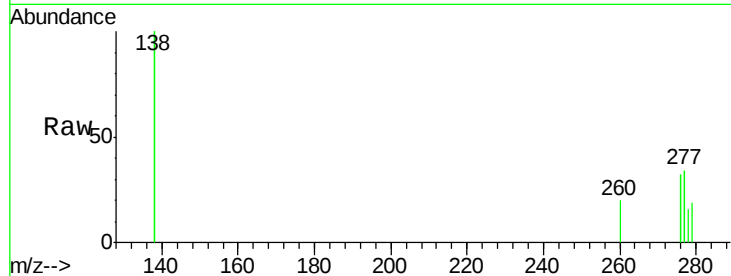
Tot Ion:276 Resp: 49

Ion Ratio Lower Upper

276 100

138 112.2 27.5 41.3#

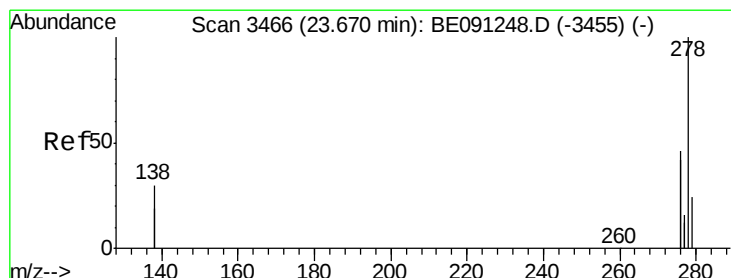
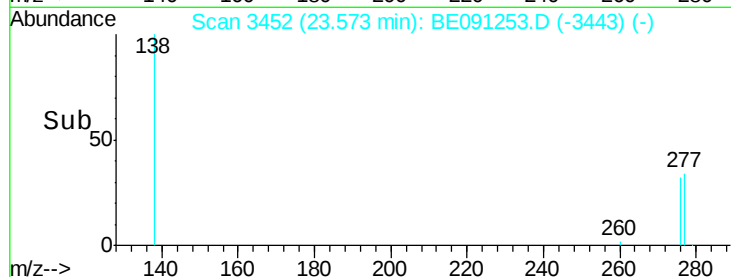
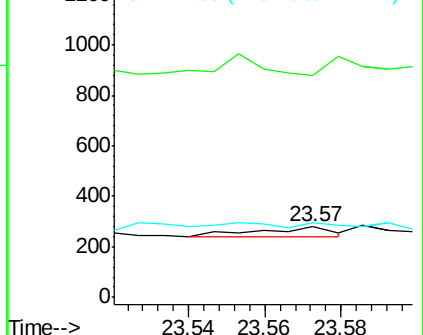
277 46.9 19.3 28.9#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 23.53 min Scan# 3445

Delta R.T. -0.14 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

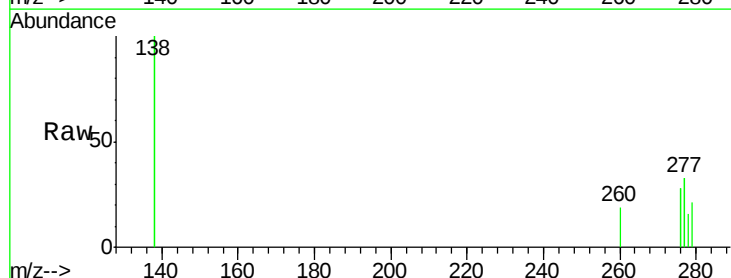
Tgt Ion:278 Resp: 47

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

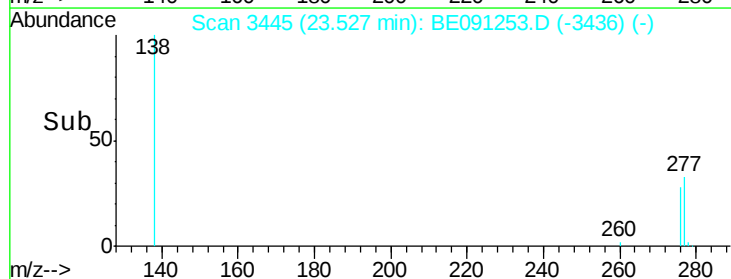
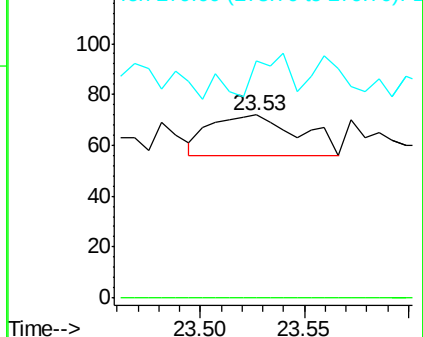
279 129.2 21.9 32.9#

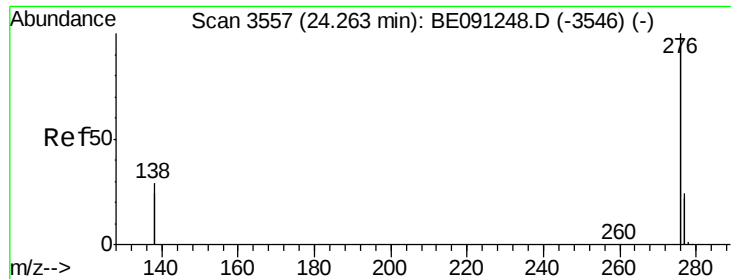


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.11 min Scan# 3535

Delta R.T. -0.15 min

Lab File: BE091253.D

Acq: 20 Nov 2015 19:44

Instrument :

BNA_E

ClientSampleId :

D9KM5

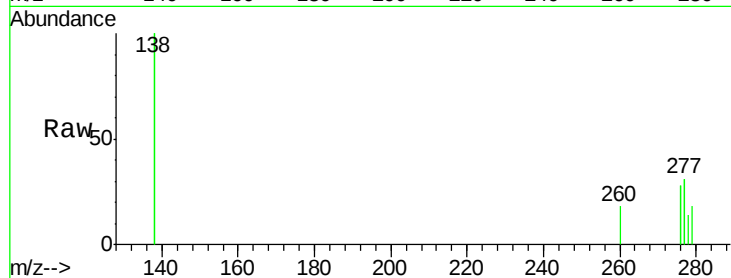
Tot Ion: 276 Resp: 46

Ion Ratio Lower Upper

276 100

277 110.2 21.3 31.9#

138 354.3 25.5 38.3#



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

