

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091251.D
 Acq On : 20 Nov 2015 18:30
 Operator : UM/NP
 Sample : G4310-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM3

Quant Time: Nov 21 02:54:05 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

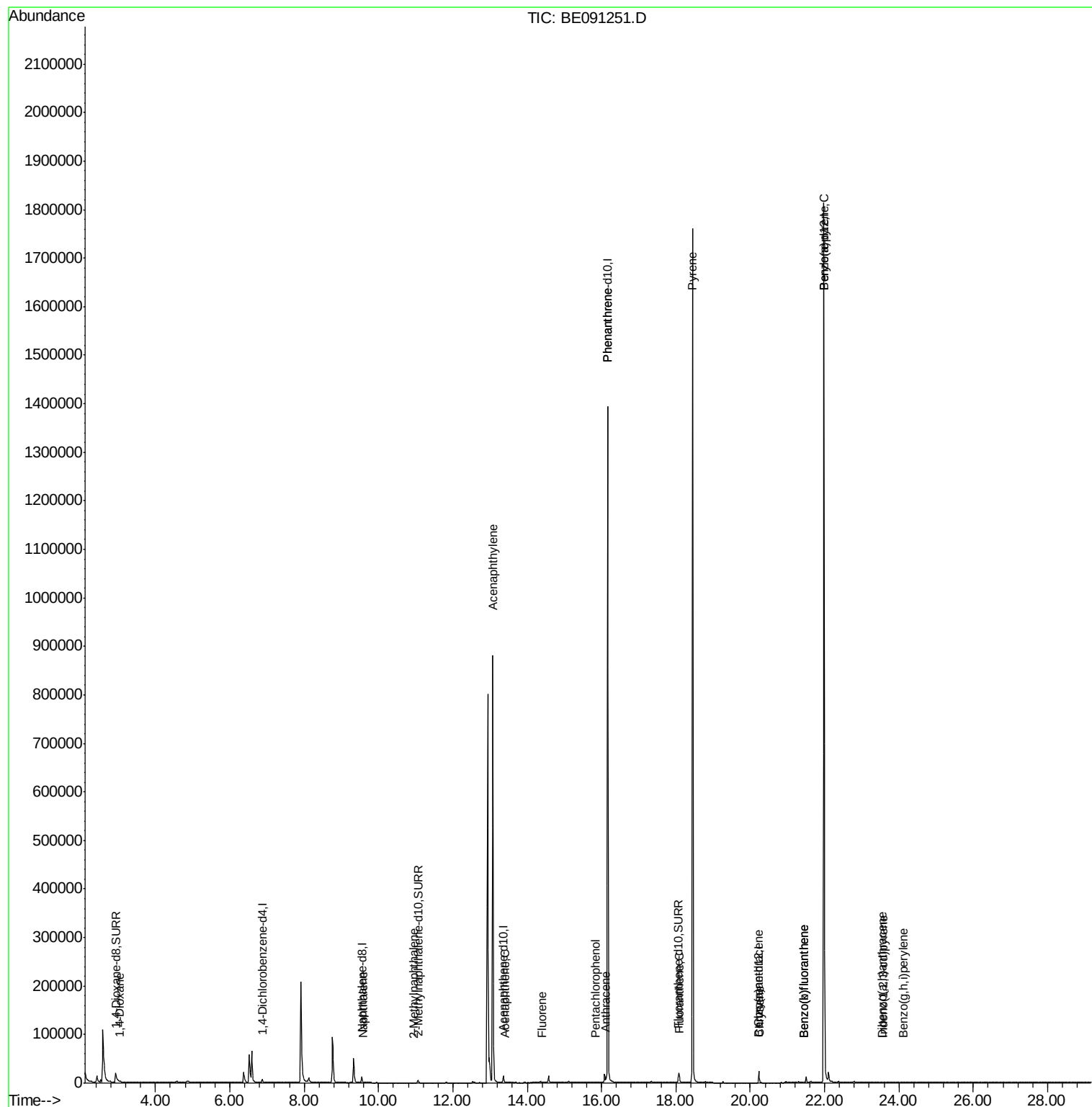
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2907	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	14488	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7976	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1520757	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	23603	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1903291	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	25113	12.01	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	6946	0.35	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	21684	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.06	88	22	0.01	ng/ul#	59
5) Naphthalene	9.59	128	738	0.02	ng/ul#	53
7) 2-Methylnaphthalene	10.95	142	7	0.00	ng/ul	87
9) Acenaphthylene	13.07	152	183	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	87	0.00	ng/ul#	66
11) Fluorene	14.41	166	211	0.01	ng/ul#	87
13) Pentachlorophenol	15.85	266	340	0.00	ng/ul	91
14) Phenanthrene	16.16	178	4554	0.00	ng/ul#	1
15) Anthracene	16.11	178	7793	0.00	ng/ul	93
17) Fluoranthene	18.10	202	11177	0.00	ng/ul	83
19) Pyrene	18.45	202	20581	0.08	ng/ul#	1
20) Benzo(a)anthracene	20.21	228	1040	0.02	ng/ul#	81
21) Chrysene	20.26	228	1456	0.02	ng/ul#	87
23) Benzo(b)fluoranthene	21.44	252	11	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.44	252	11	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7417	0.00	ng/ul#	46
26) Indeno(1,2,3-cd)pyrene	23.59	276	149	0.00	ng/ul#	2
27) Dibenzo(a,h)anthracene	23.55	278	27	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.12	276	30	0.00	ng/ul#	1

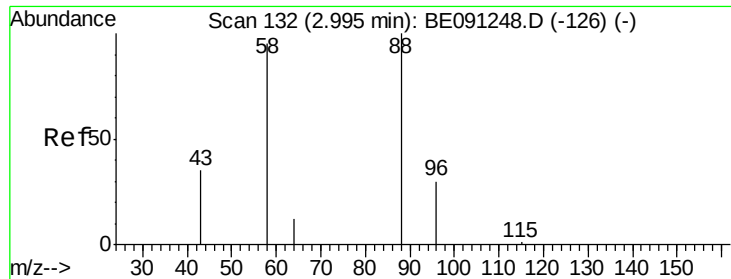
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.06 min Scan# 141

Delta R.T. 0.06 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

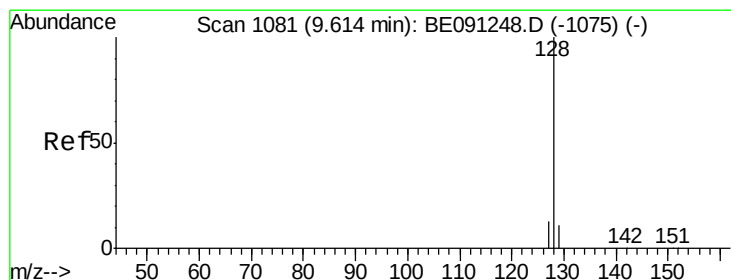
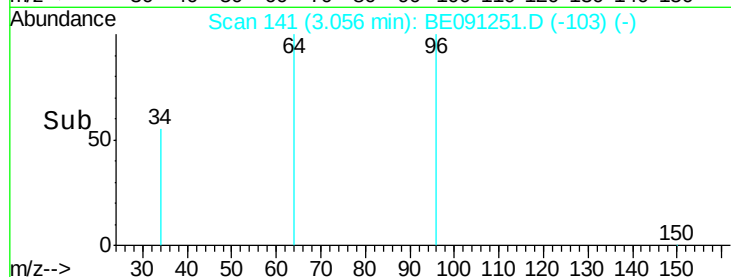
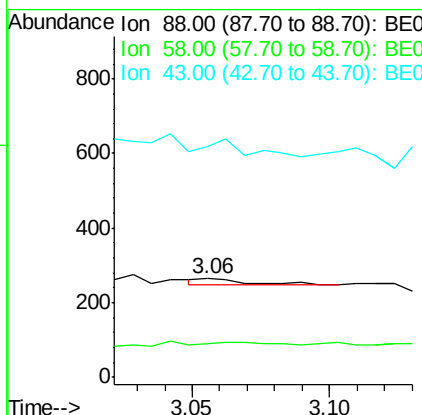
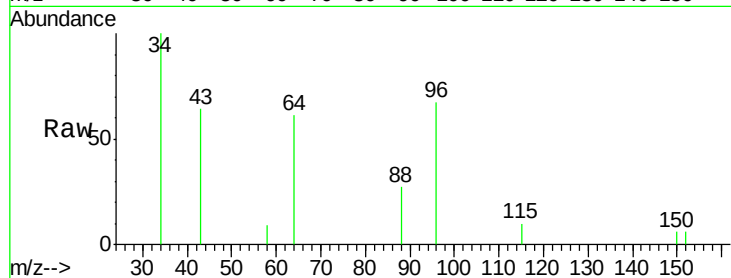
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

58 40.9 55.4 83.2#

43 0.0 24.2 36.2#



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

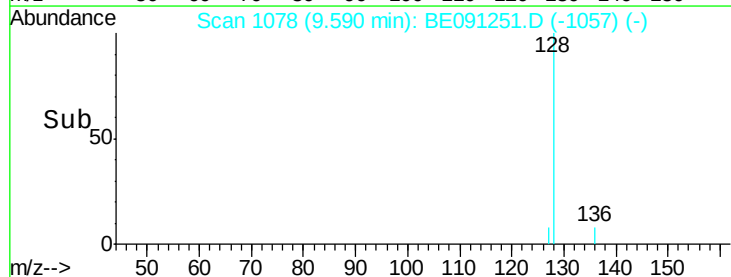
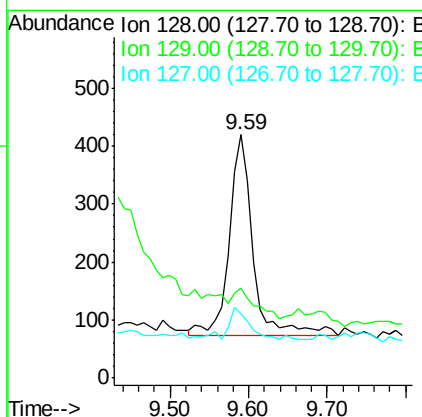
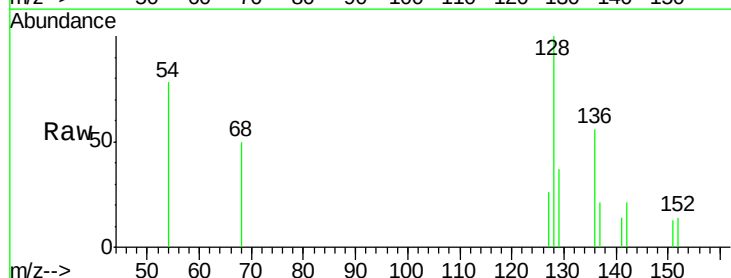
Tgt Ion: 128 Resp: 738

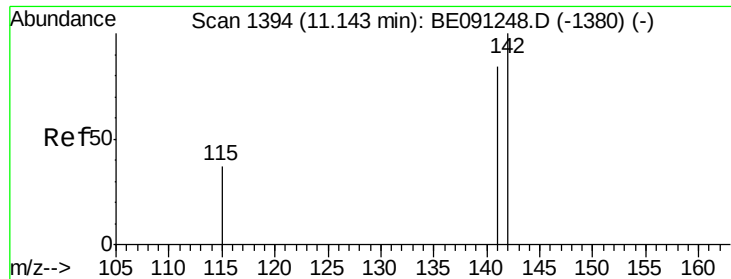
Ion Ratio Lower Upper

128 100

129 37.1 9.8 14.8#

127 26.2 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 10.95 min Scan# 1352

Delta R.T. -0.19 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

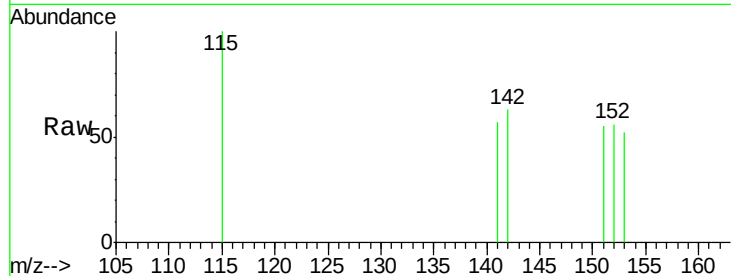
D9KM3

Tot Ion:142 Resp: 7

Ion Ratio Lower Upper

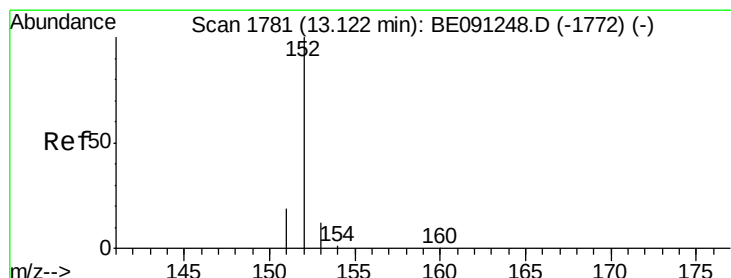
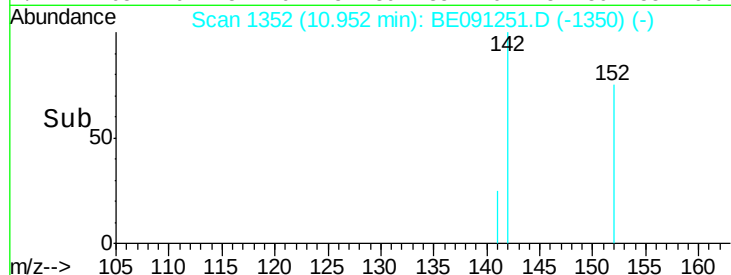
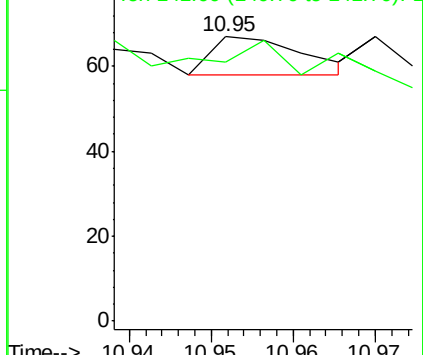
142 100

141 100.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

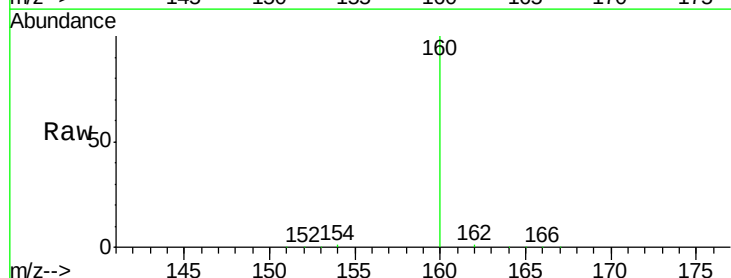
Tgt Ion:152 Resp: 183

Ion Ratio Lower Upper

152 100

151 67.9 16.8 25.2#

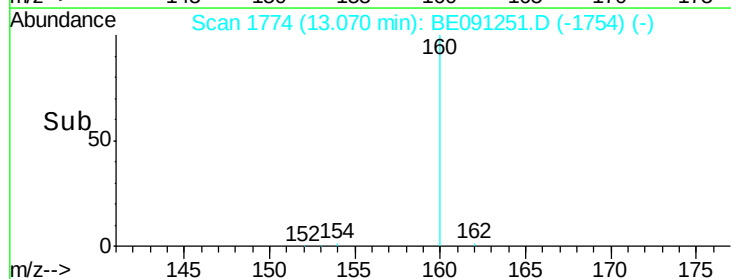
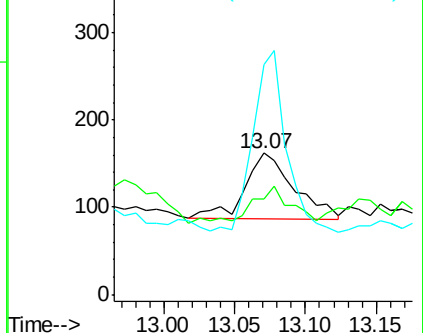
153 162.3 11.3 16.9#

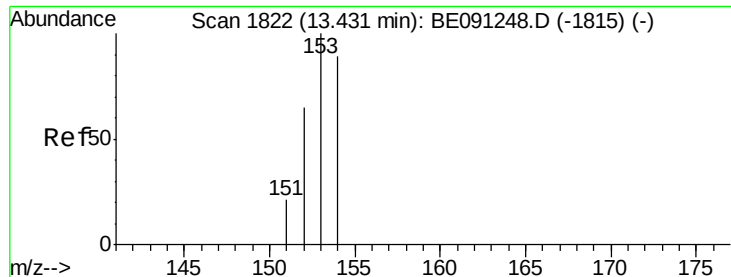


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

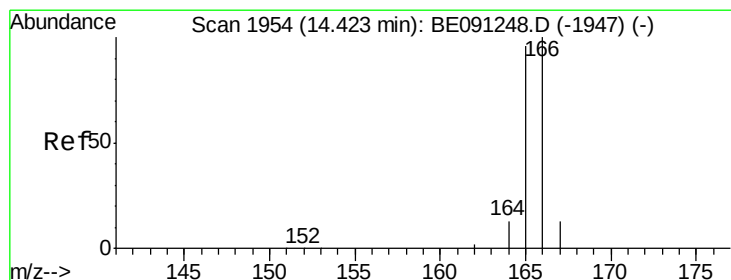
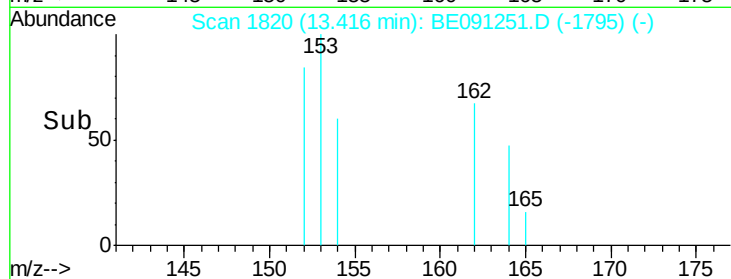
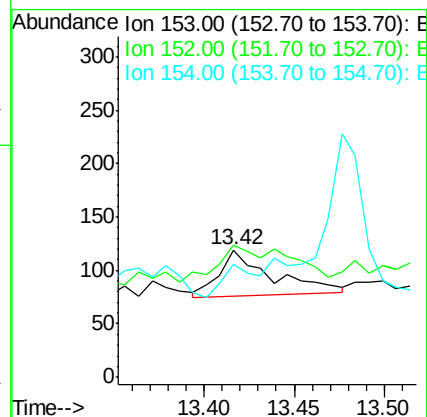
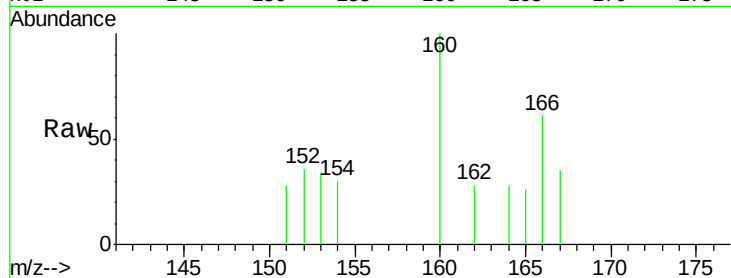
Tot Ion:153 Resp: 87

Ion Ratio Lower Upper

153 100

152 104.2 42.3 63.5#

154 89.1 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

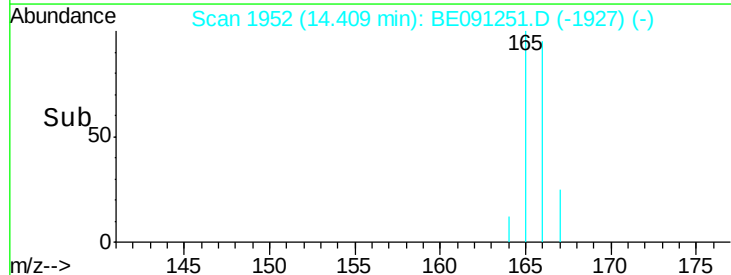
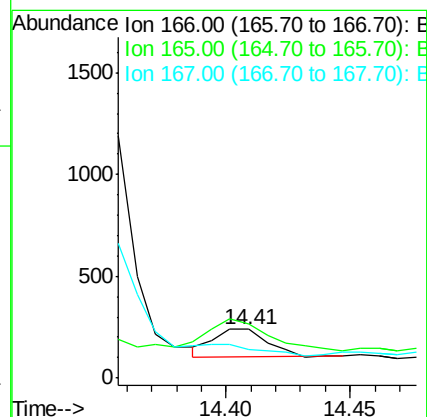
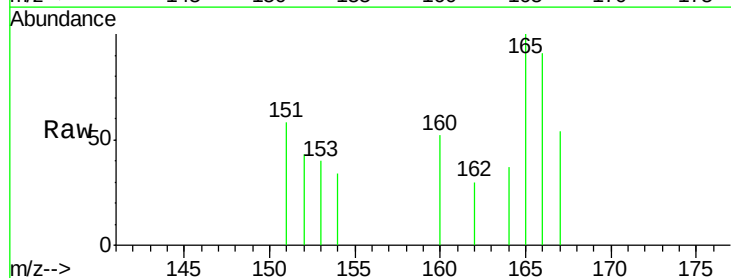
Tgt Ion:166 Resp: 211

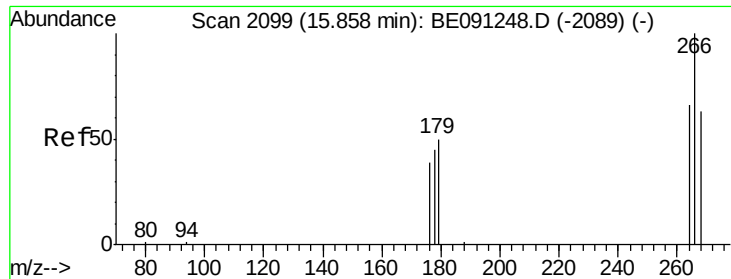
Ion Ratio Lower Upper

166 100

165 110.4 87.6 131.4

167 59.6 11.1 16.7#

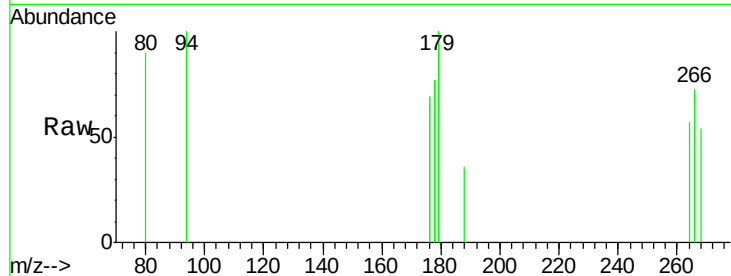




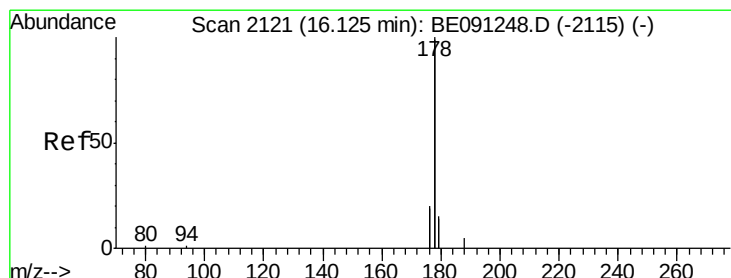
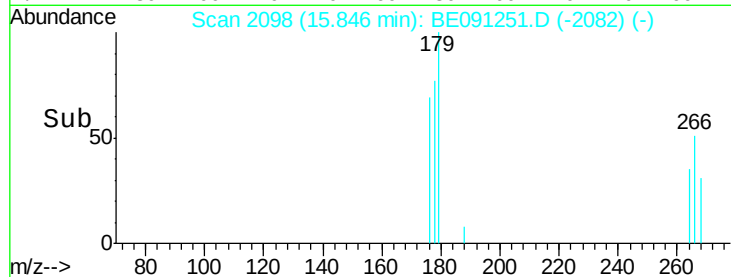
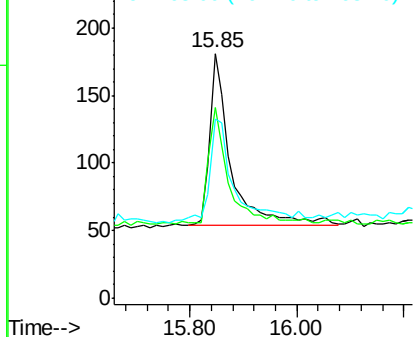
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091251.D
 Acq: 20 Nov 2015 18:30

Instrument :
 BNA_E
 ClientSampleId :
 D9KM3

Tot Ion:266 Resp: 340
 Ion Ratio Lower Upper
 266 100
 264 60.6 53.5 80.3
 268 75.9 54.2 81.2

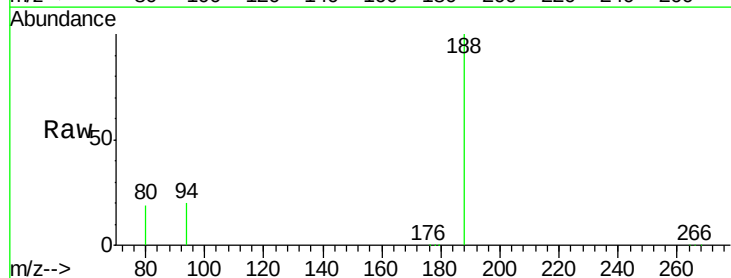


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

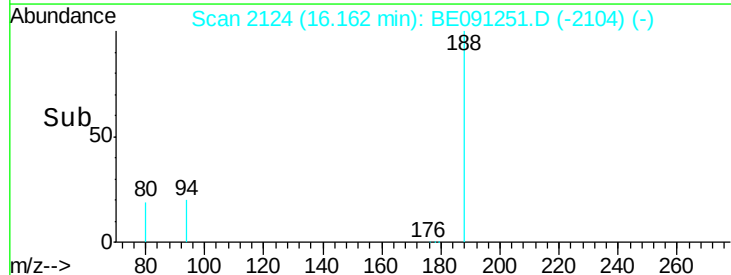
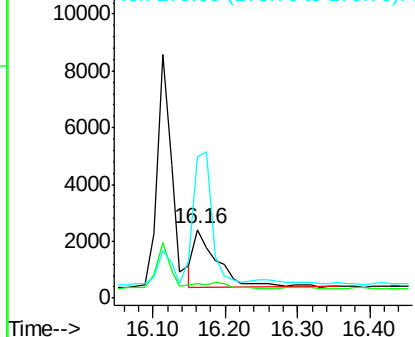


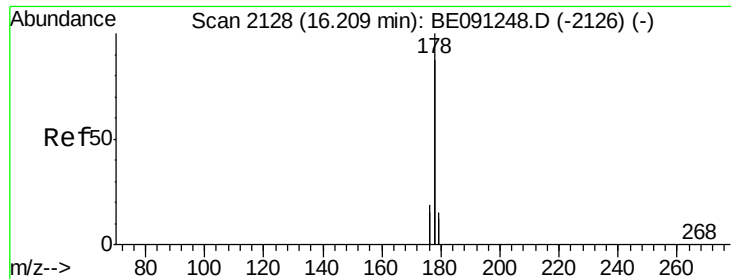
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091251.D
 Acq: 20 Nov 2015 18:30

Tgt Ion:178 Resp: 4554
 Ion Ratio Lower Upper
 178 100
 176 21.7 16.2 24.4
 179 205.8 12.8 19.2#



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

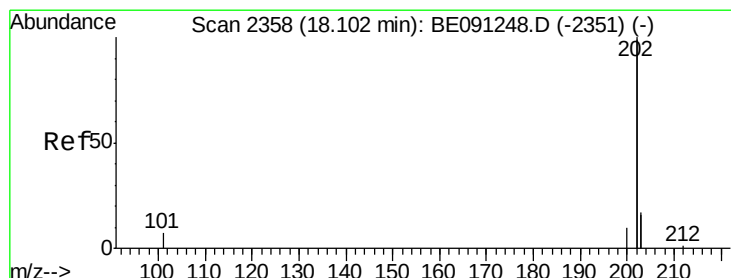
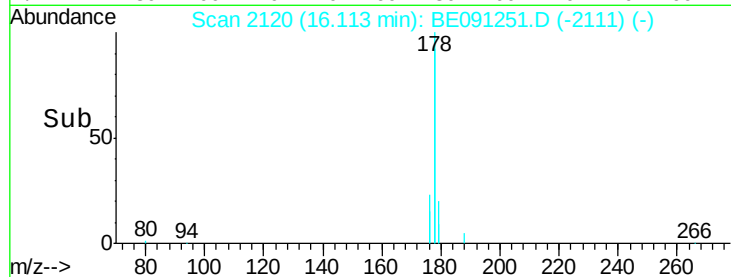
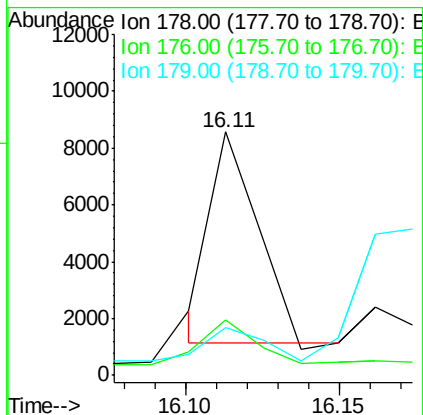
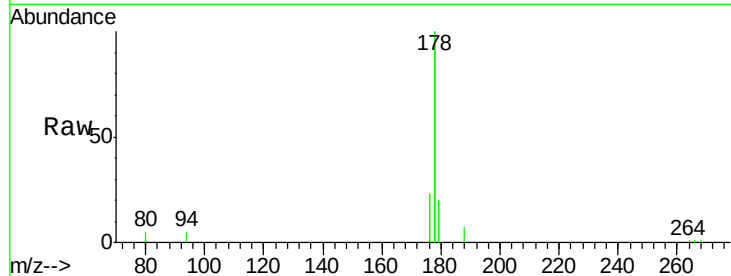




#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.10 min
 Lab File: BE091251.D
 Acq: 20 Nov 2015 18:30

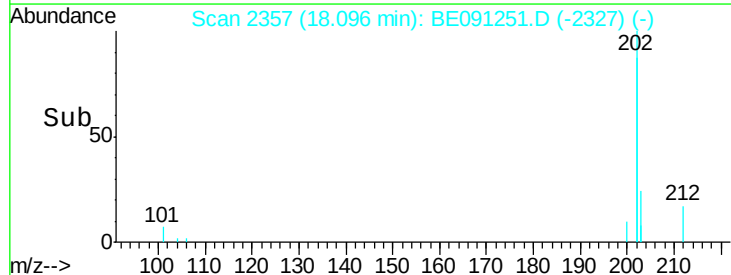
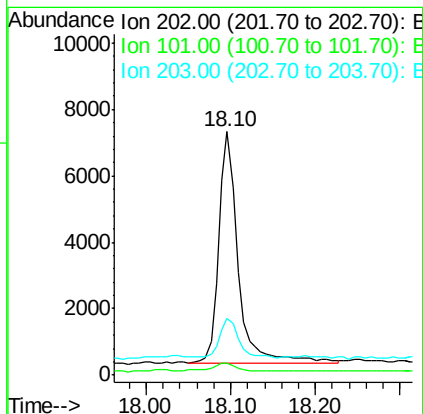
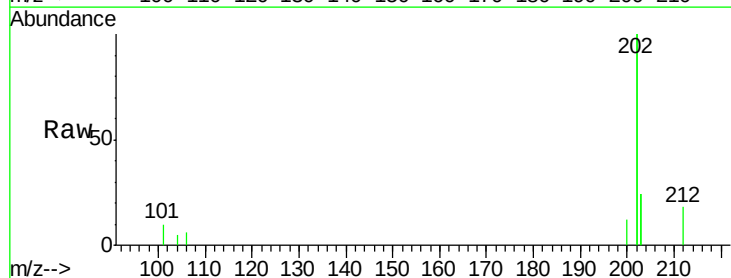
Instrument :
 BNA_E
 ClientSampleId :
 D9KM3

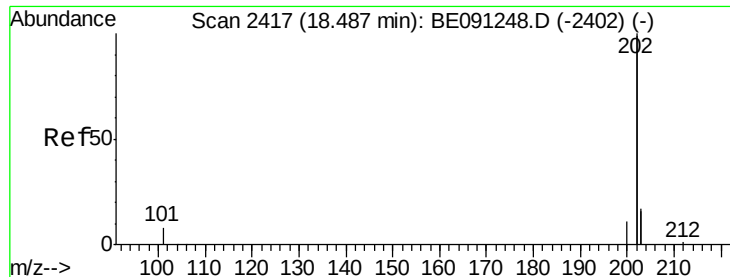
Tot Ion:178 Resp: 7793
 Ion Ratio Lower Upper
 178 100
 176 23.0 15.8 23.8
 179 19.8 13.3 19.9



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091251.D
 Acq: 20 Nov 2015 18:30

Tgt Ion:202 Resp: 11177
 Ion Ratio Lower Upper
 202 100
 101 5.1 0.0 33.1
 203 23.5 0.0 37.2





#19

Pvrene

Concen: 0.08 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

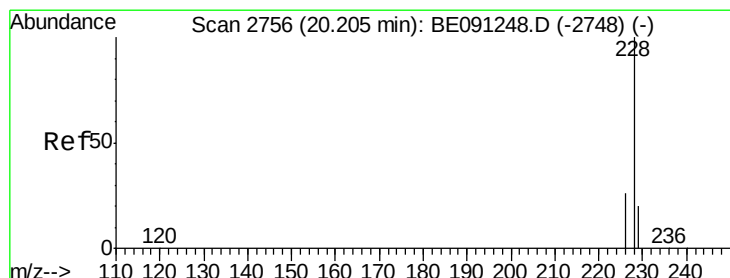
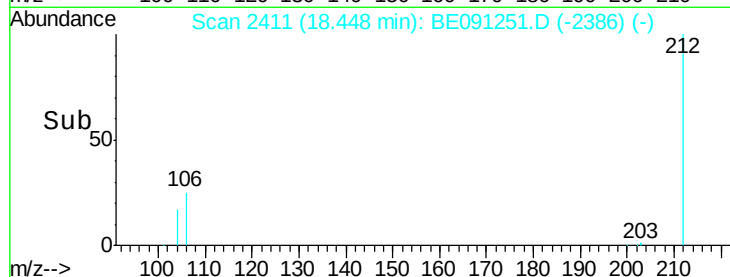
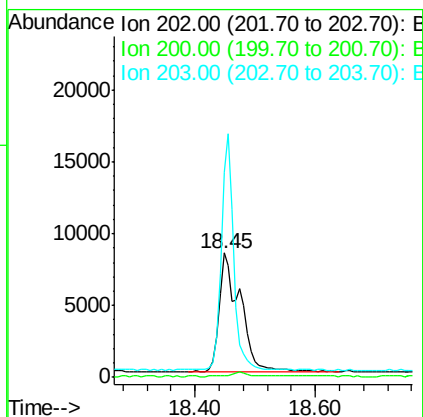
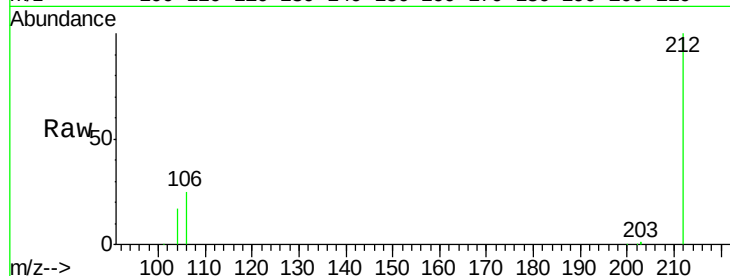
Tot Ion:202 Resp: 20581

Ion Ratio Lower Upper

202 100

200 1.8 18.0 27.0#

203 165.3 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 20.21 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

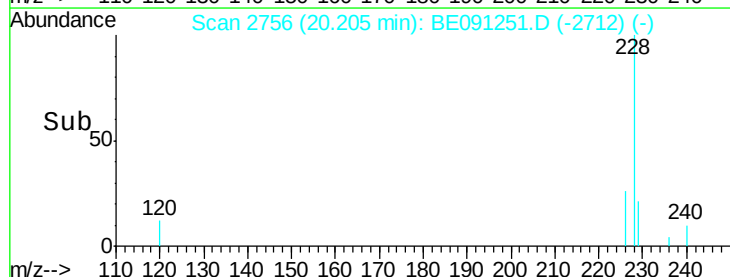
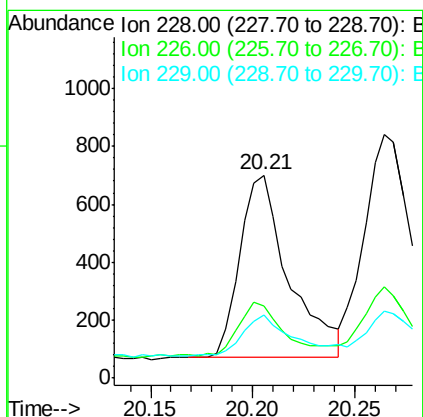
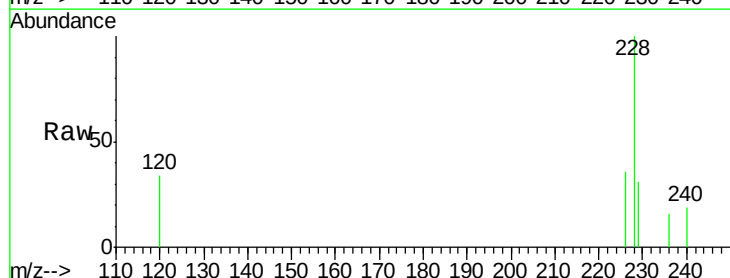
Tgt Ion:228 Resp: 1040

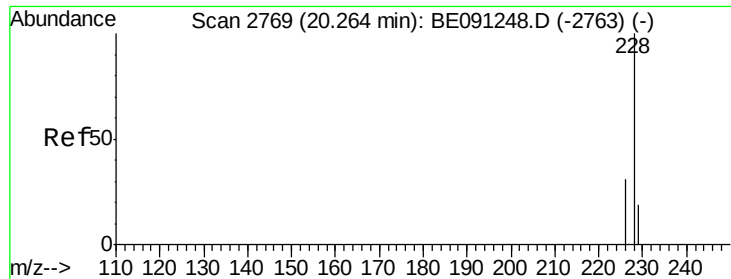
Ion Ratio Lower Upper

228 100

226 35.9 23.0 34.4#

229 31.4 15.2 22.8#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampled :

D9KM3

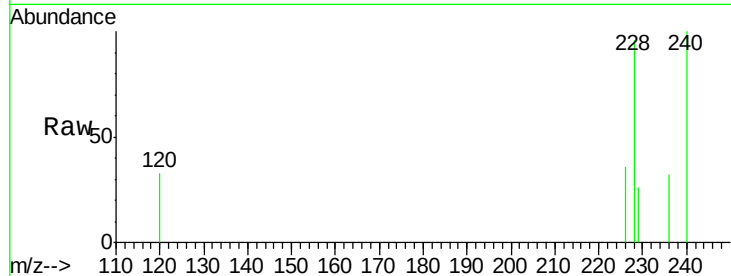
Tot Ion:228 Resp: 1456

Ion Ratio Lower Upper

228 100

226 37.6 25.7 38.5

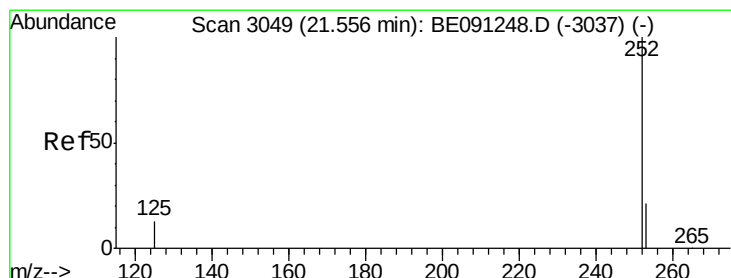
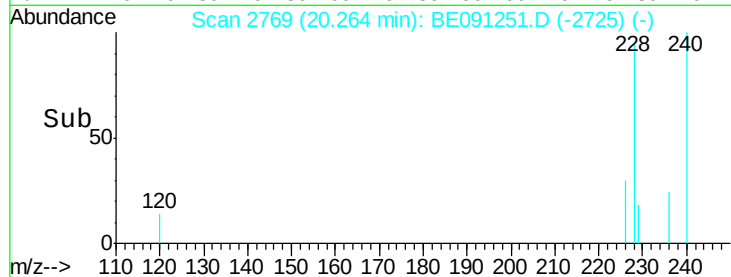
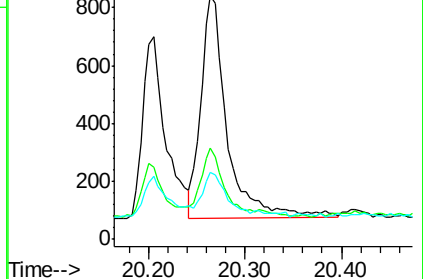
229 27.3 15.2 22.8#



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.44 min Scan# 3023

Delta R.T. -0.12 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

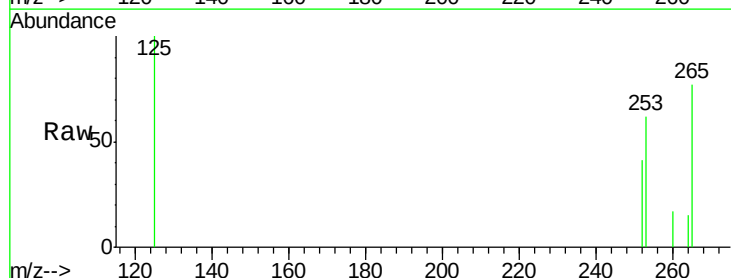
Tgt Ion:252 Resp: 11

Ion Ratio Lower Upper

252 100

253 149.1 0.0 48.0#

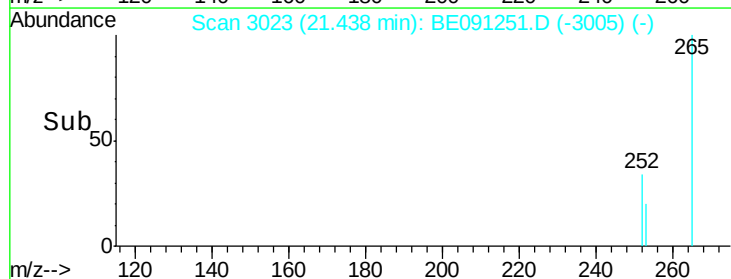
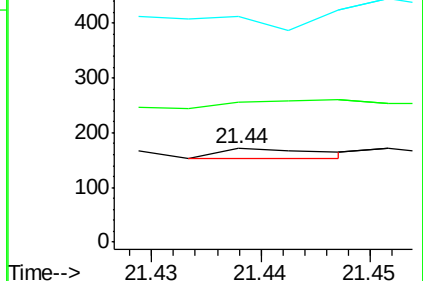
125 241.5 0.0 36.6#

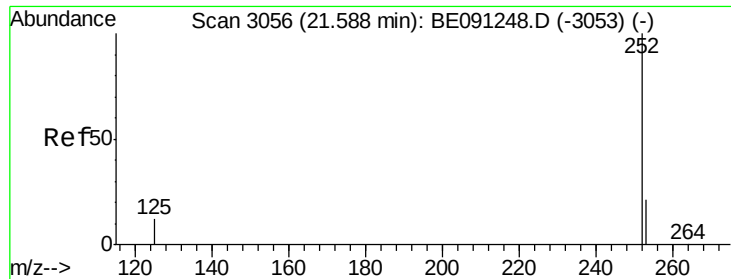


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.44 min Scan# 3023

Delta R.T. -0.15 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

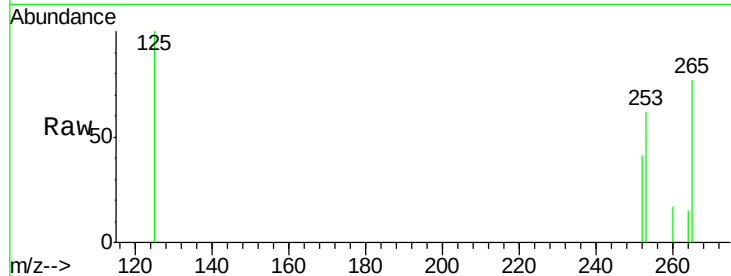
Tot Ion:252 Resp: 11

Ion Ratio Lower Upper

252 100

253 149.1 20.8 31.2#

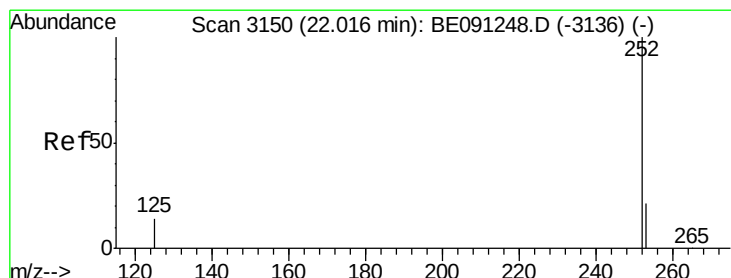
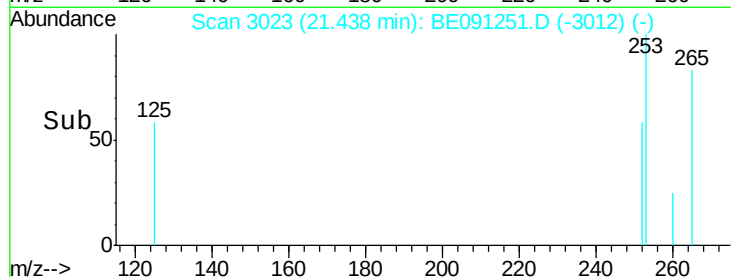
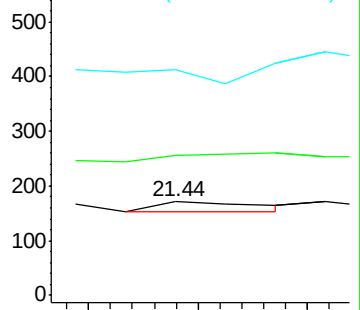
125 241.5 12.2 18.4#



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# 3143

Delta R.T. -0.03 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

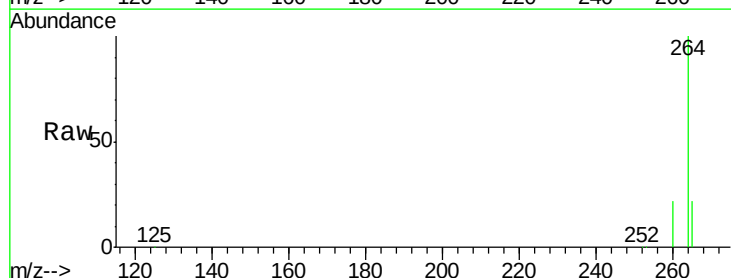
Tgt Ion:252 Resp: 7417

Ion Ratio Lower Upper

252 100

253 35.8 21.8 32.8#

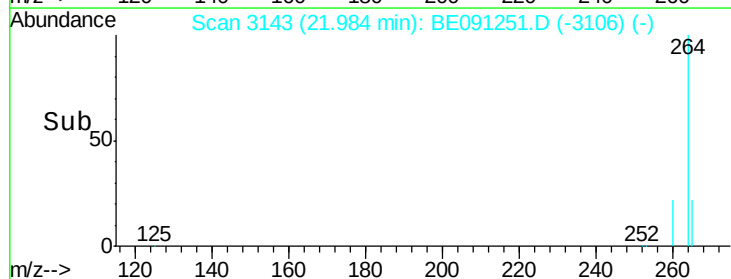
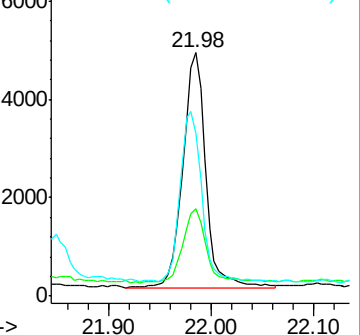
125 66.8 14.5 21.7#

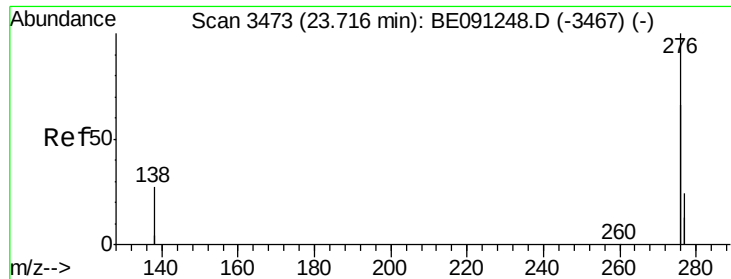


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.59 min Scan# 3453

Delta R.T. -0.13 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

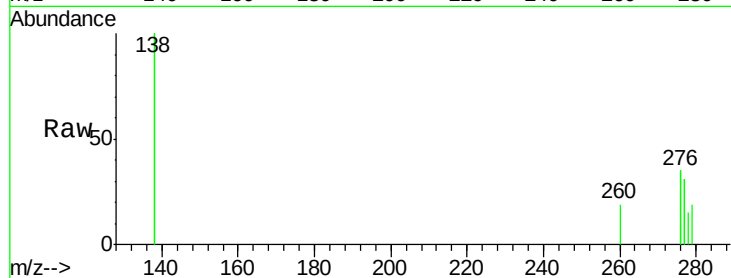
Tot Ion:276 Resp: 149

Ion Ratio Lower Upper

276 100

138 128.9 27.5 41.3#

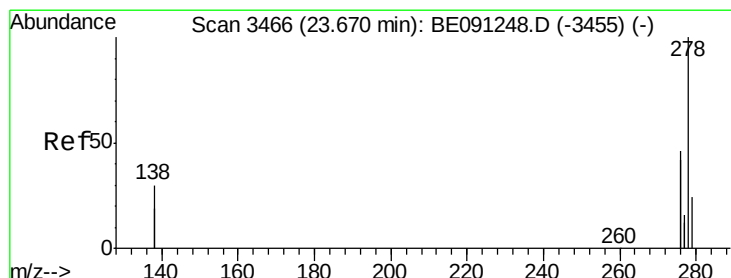
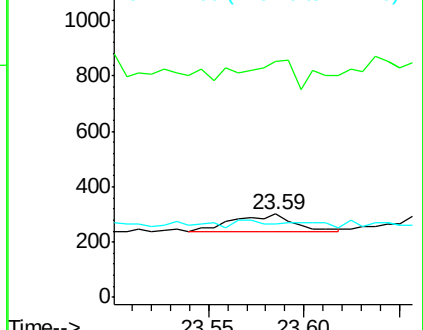
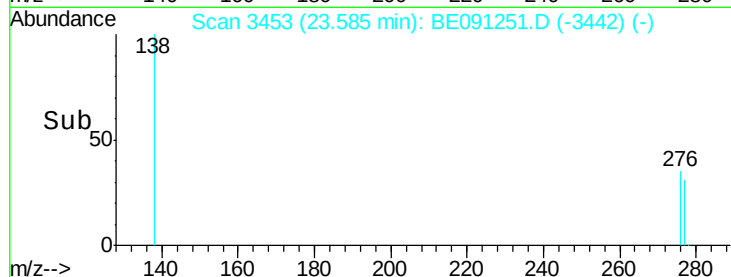
277 22.1 19.3 28.9



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: 23.55 min Scan# 3448

Delta R.T. -0.12 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

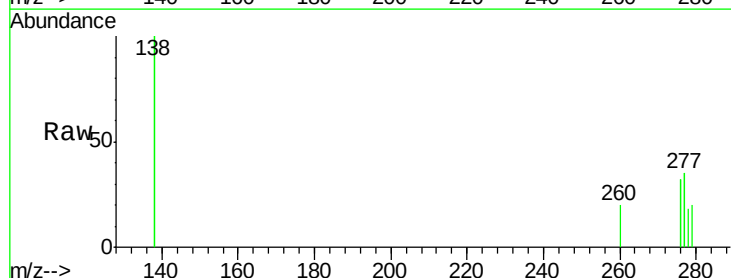
Tgt Ion:278 Resp: 27

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

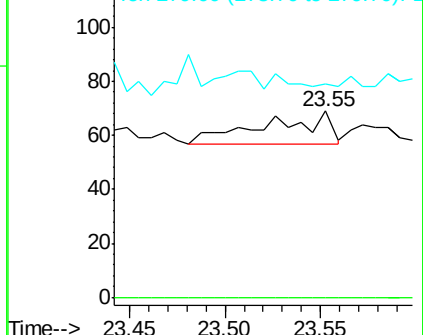
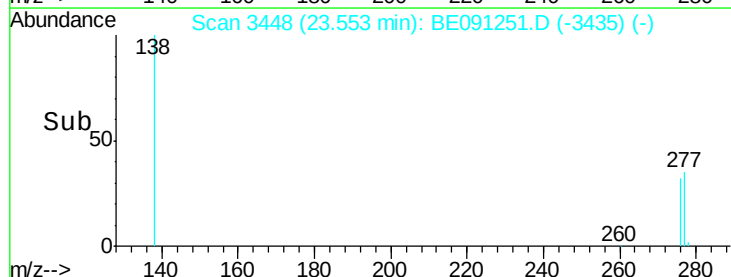
279 114.5 21.9 32.9#

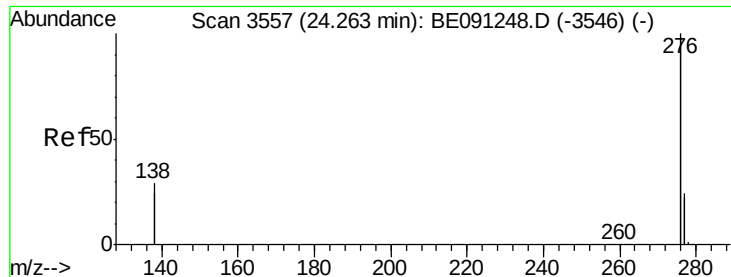


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.12 min Scan# 3535

Delta R.T. -0.14 min

Lab File: BE091251.D

Acq: 20 Nov 2015 18:30

Instrument :

BNA_E

ClientSampleId :

D9KM3

Tot Ion: 276 Resp: 30

Ion Ratio Lower Upper

276 100

277 96.0 21.3 31.9#

138 302.4 25.5 38.3#

