

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091302.D
 Acq On : 23 Nov 2015 16:32
 Operator : UM/NP
 Sample : G4345-22DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J67DL

Quant Time: Nov 24 00:40:34 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 : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

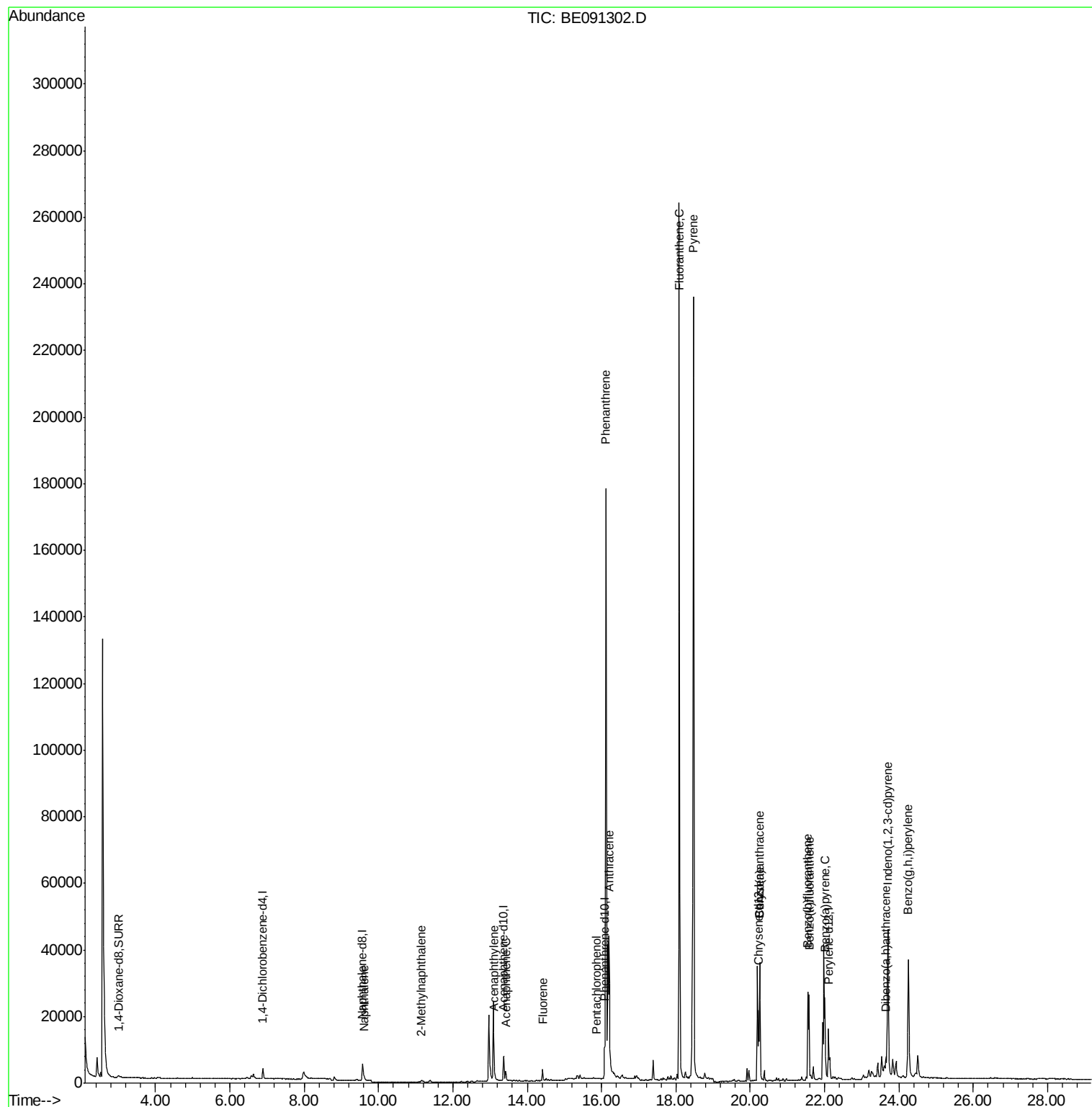
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	1903	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9027	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4576	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	12830	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	17234	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	15501	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.01	96	1026	0.75	ng/uL	0.05
6) 2-Methylnaphthalene-d10	11.08	152	193	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	516	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	1409	0.06	ng/ul#	78
7) 2-Methylnaphthalene	11.15	142	770	0.05	ng/ul	94
9) Acenaphthylene	13.12	152	922	0.04	ng/ul#	84
10) Acenaphthene	13.42	153	1626	0.10	ng/ul#	86
11) Fluorene	14.41	166	2833	0.14	ng/ul#	93
13) Pentachlorophenol	15.87	266	105	0.09	ng/ul	88
14) Phenanthrene	16.11	178	229268	1.55	ng/ul	96
15) Anthracene	16.20	178	51771	0.38	ng/ul	97
17) Fluoranthene	18.09	202	296083	1.71	ng/ul	90
19) Pyrene	18.47	202	253295	1.29	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	33973	0.77	ng/ul	95
21) Chrysene	20.26	228	34406	0.67	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	25712	0.53	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	23959	0.48	ng/ul	96
25) Benzo(a)pyrene	22.01	252	26023	0.58	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	60903	0.32	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	4914	0.11	ng/ul#	71
28) Benzo(g,h,i)perylene	24.25	276	59053	0.30	ng/ul	98

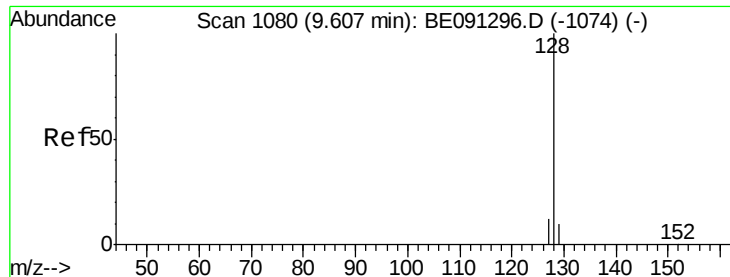
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 24 00:31:29 2015
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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

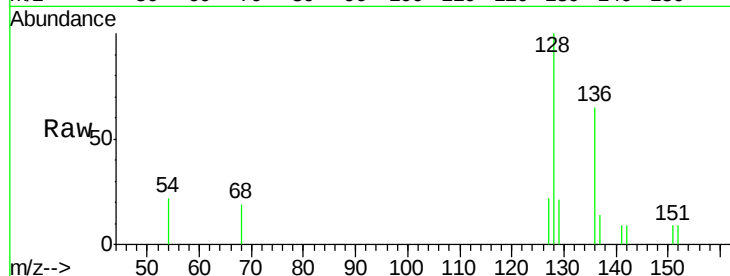
Tgt Ion:128 Resp: 1409

Ion Ratio Lower Upper

128 100

129 21.1 9.8 14.8#

127 22.0 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

9.61

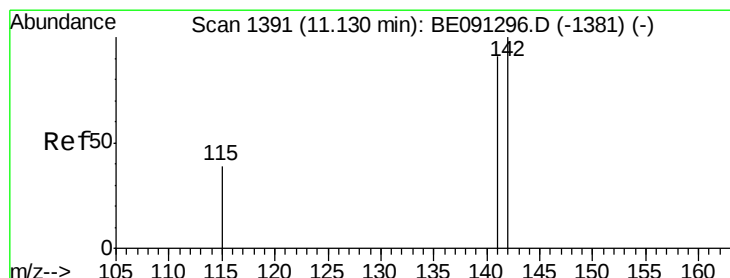
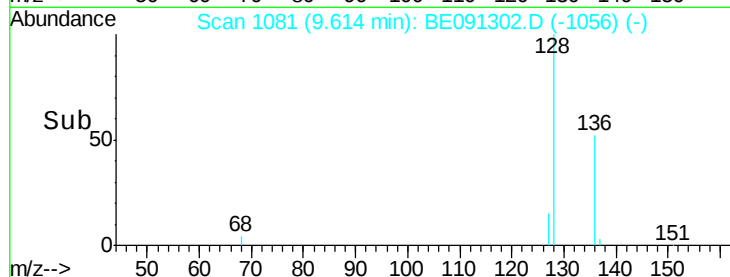
600

400

200

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 11.15 min Scan# 1396

Delta R.T. 0.02 min

Lab File: BE091302.D

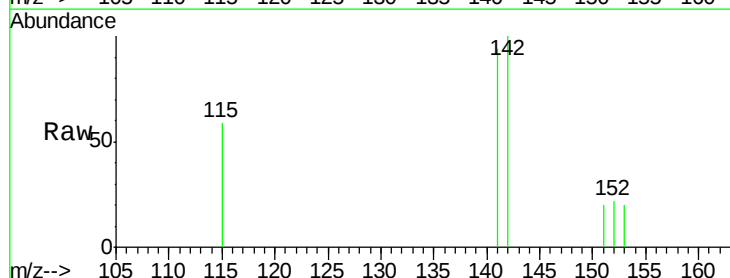
Acq: 23 Nov 2015 16:32

Tgt Ion:142 Resp: 770

Ion Ratio Lower Upper

142 100

141 93.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

300

250

200

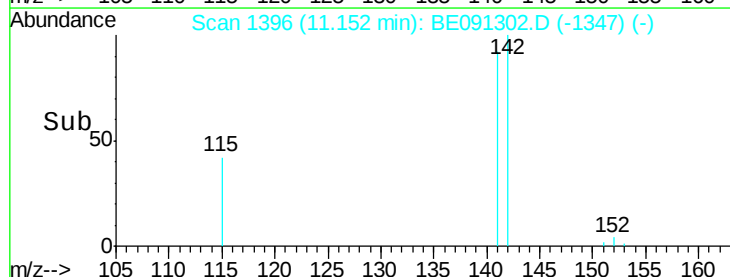
150

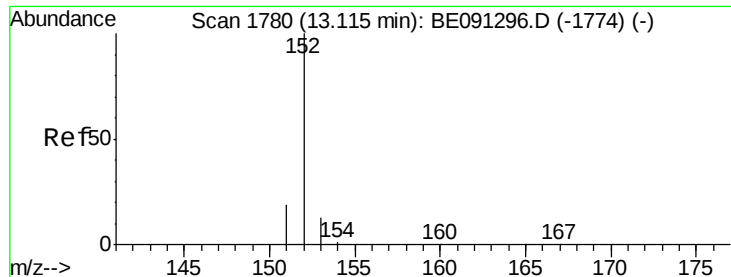
100

50

0

Time-->





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

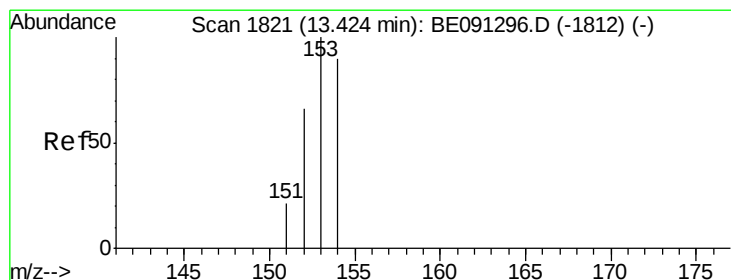
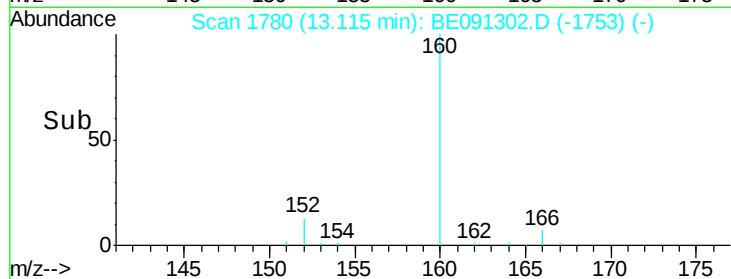
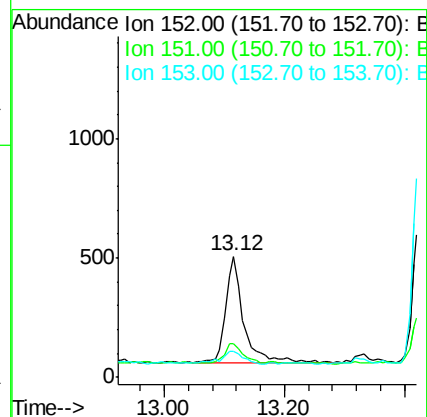
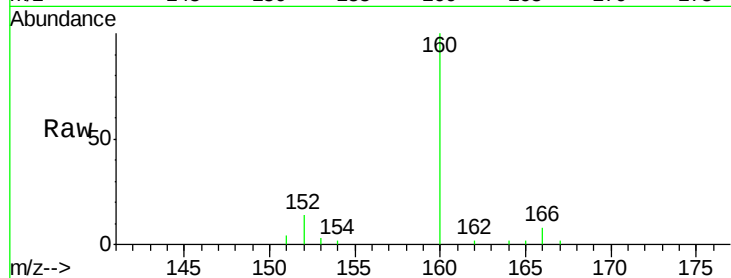
Tgt Ion:152 Resp: 922

Ion Ratio Lower Upper

152 100

151 27.7 16.8 25.2#

153 21.5 11.3 16.9#



#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

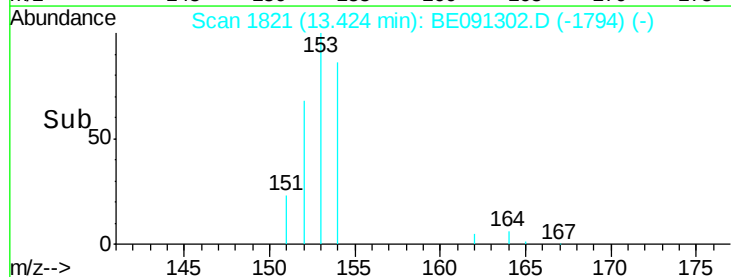
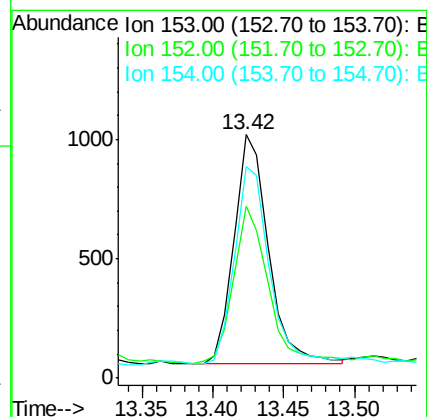
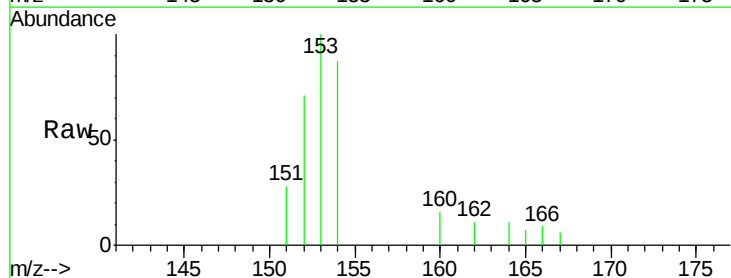
Tgt Ion:153 Resp: 1626

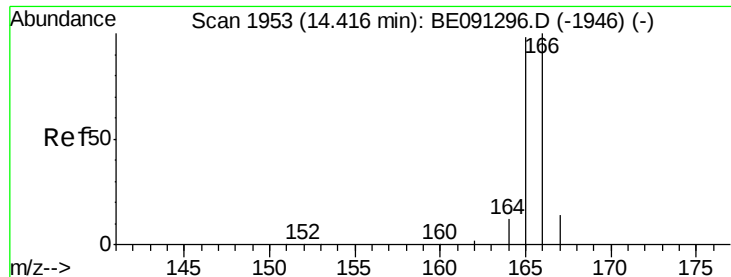
Ion Ratio Lower Upper

153 100

152 70.6 42.3 63.5#

154 86.9 64.7 97.1





#11

Fluorene

Concen: 0.14 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

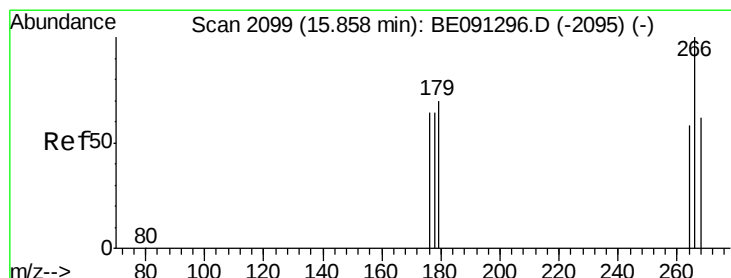
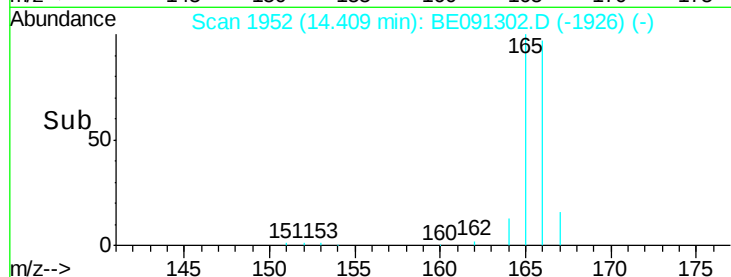
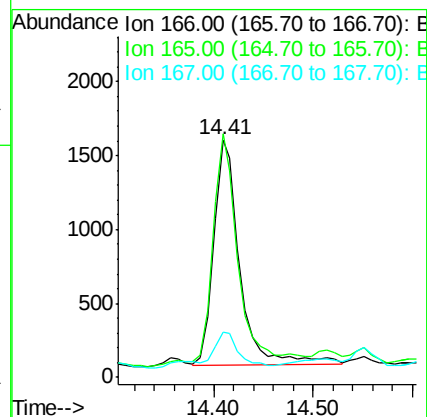
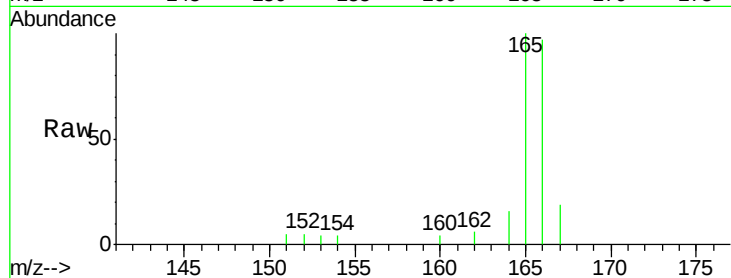
Tgt Ion:166 Resp: 2833

Ion Ratio Lower Upper

166 100

165 102.6 87.6 131.4

167 19.0 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.09 ng/ul

RT: 15.87 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

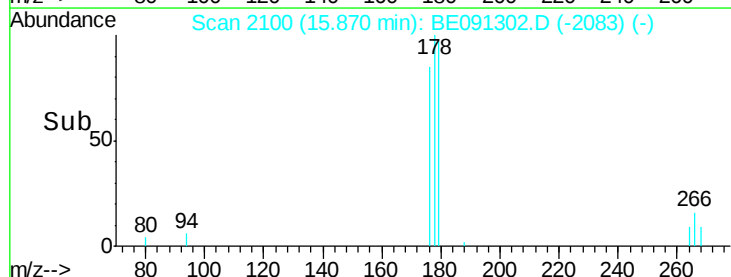
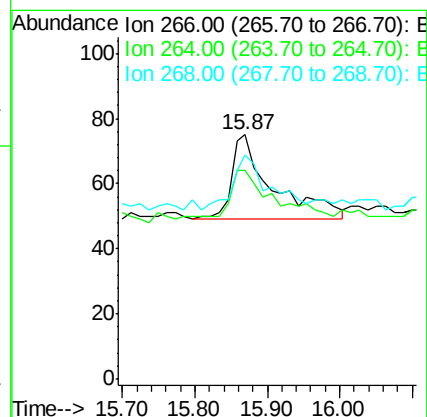
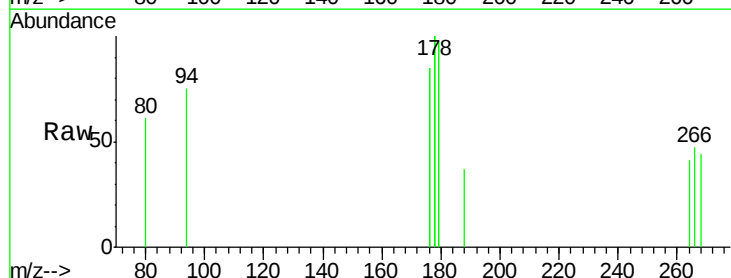
Tgt Ion:266 Resp: 105

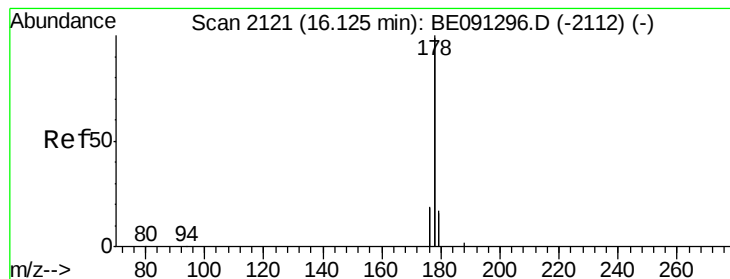
Ion Ratio Lower Upper

266 100

264 54.3 53.5 80.3

268 61.0 54.2 81.2





#14

Phenanthrene

Concen: 1.55 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

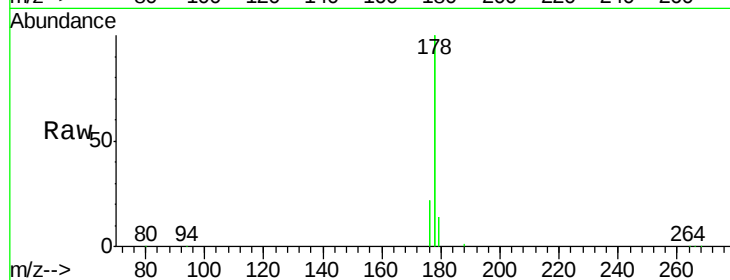
Tgt Ion:178 Resp: 229268

Ion Ratio Lower Upper

178 100

176 21.7 16.2 24.4

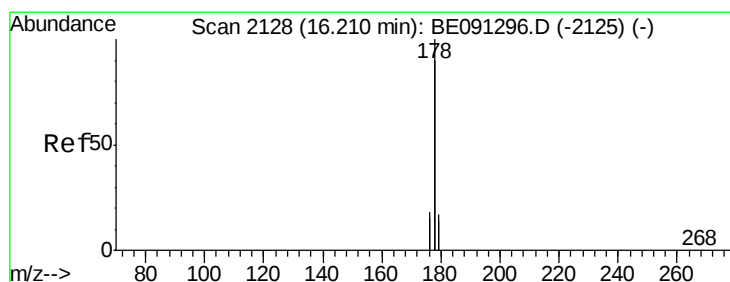
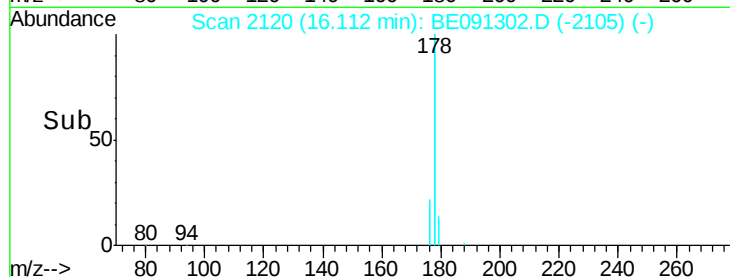
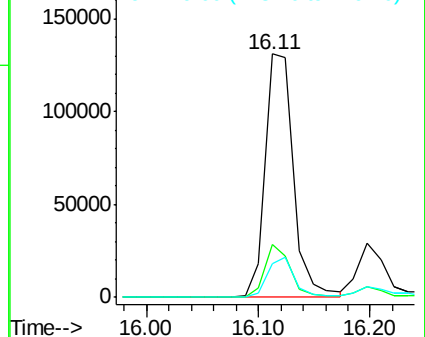
179 13.8 12.8 19.2



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: 0.38 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

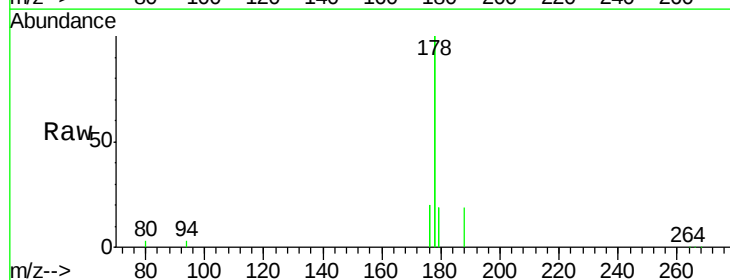
Tgt Ion:178 Resp: 51771

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

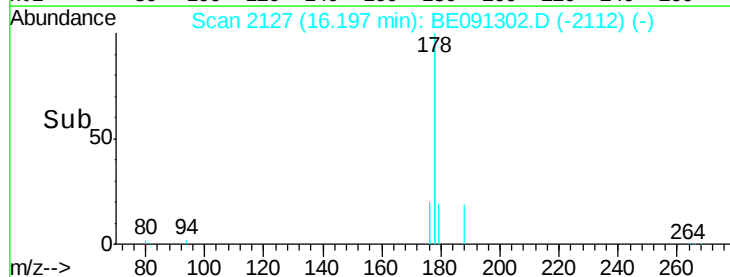
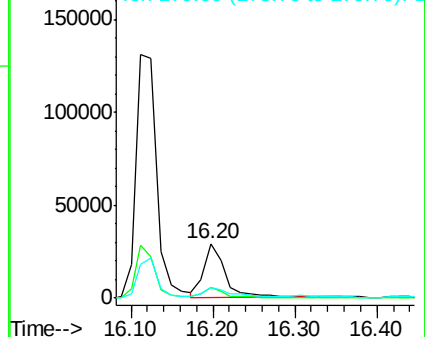
179 18.8 13.3 19.9

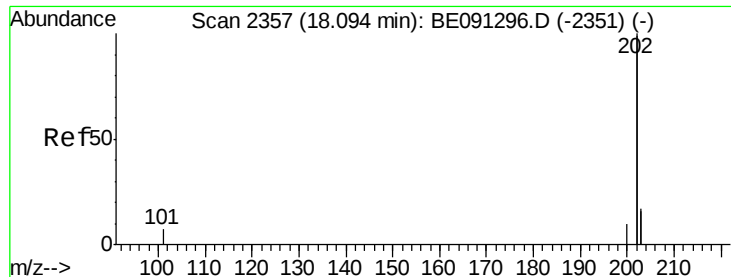


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

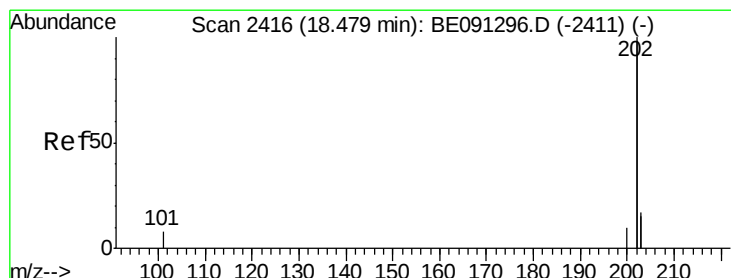
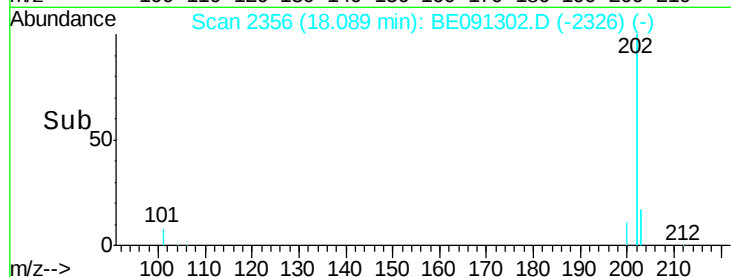
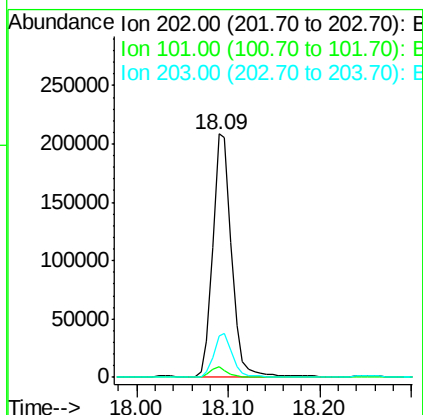
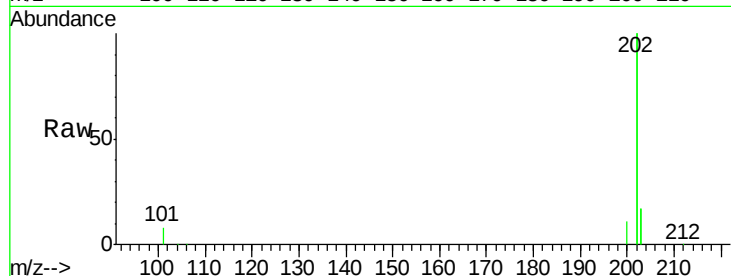




#17
Fluoranthene
 Concen: 1.71 ng/ul
 RT: 18.09 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

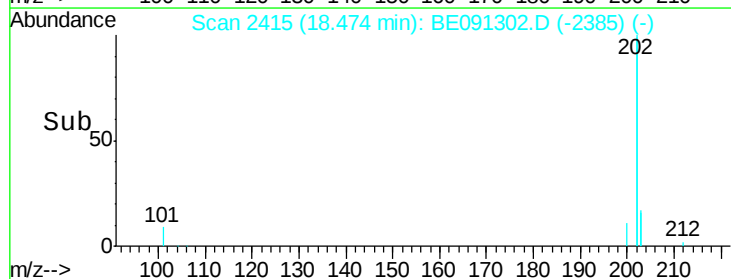
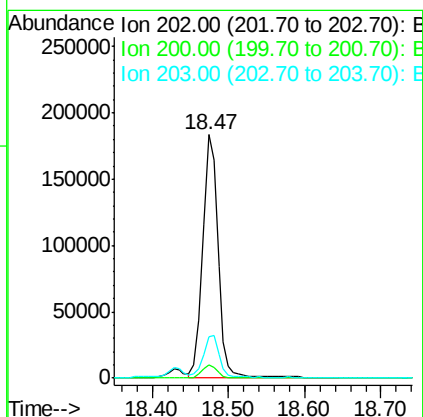
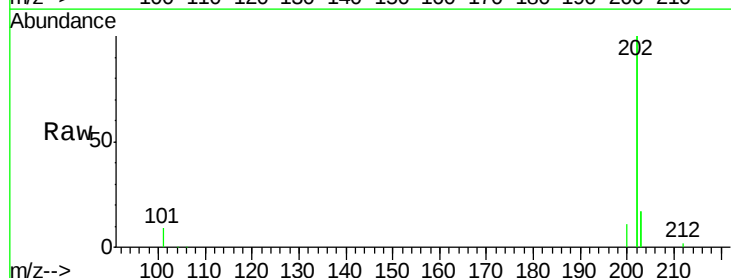
Instrument :
 BNA_E
 ClientSampleId :
 A4J67DL

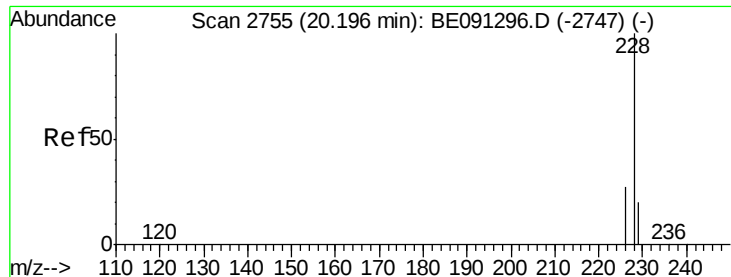
Tgt Ion:202 Resp: 296083
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 33.1
 203 17.0 0.0 37.2



#19
Pyrene
 Concen: 1.29 ng/ul
 RT: 18.47 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

Tgt Ion:202 Resp: 253295
 Ion Ratio Lower Upper
 202 100
 200 5.4 18.0 27.0#
 203 17.0 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.77 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

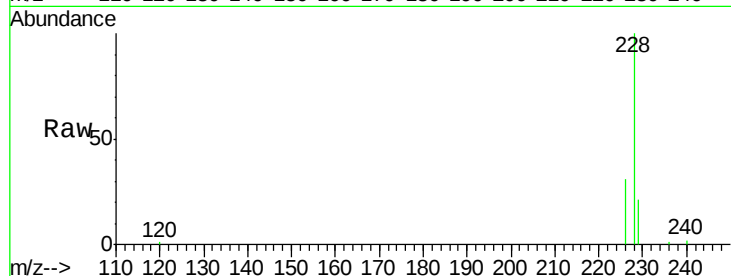
Tgt Ion:228 Resp: 33973

Ion Ratio Lower Upper

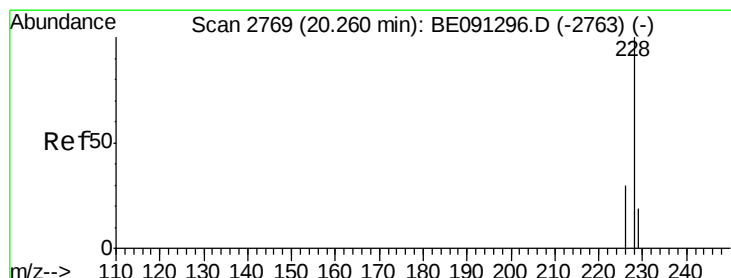
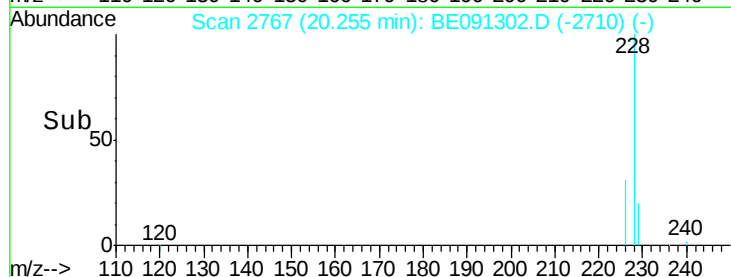
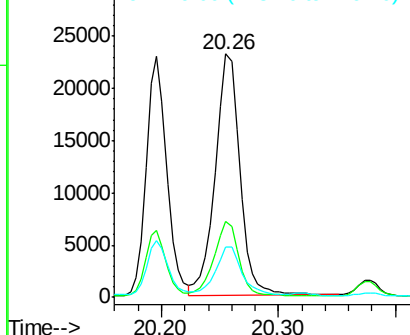
228 100

226 31.3 23.0 34.4

229 20.8 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



#21

Chrysene

Concen: 0.67 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

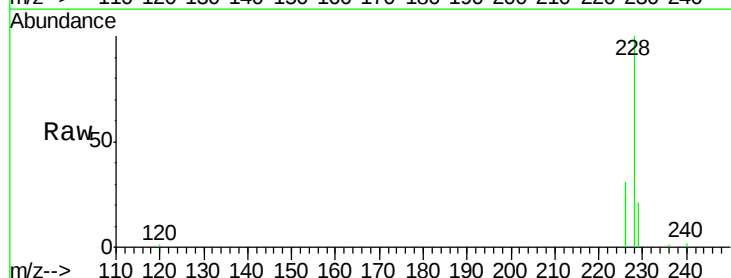
Tgt Ion:228 Resp: 34406

Ion Ratio Lower Upper

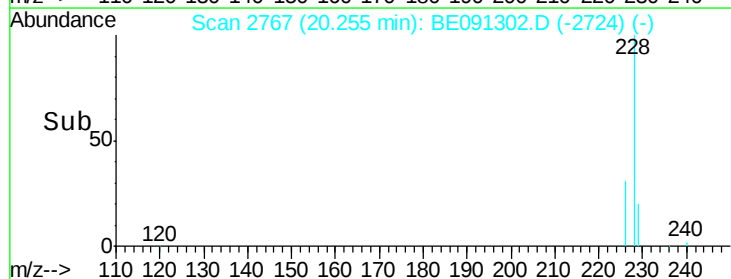
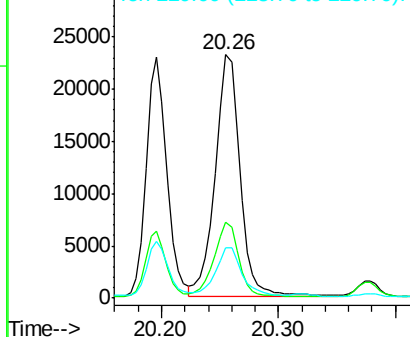
228 100

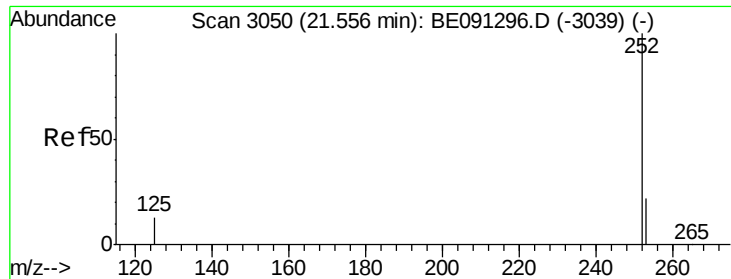
226 31.3 25.7 38.5

229 20.8 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: 0.53 ng/u1

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

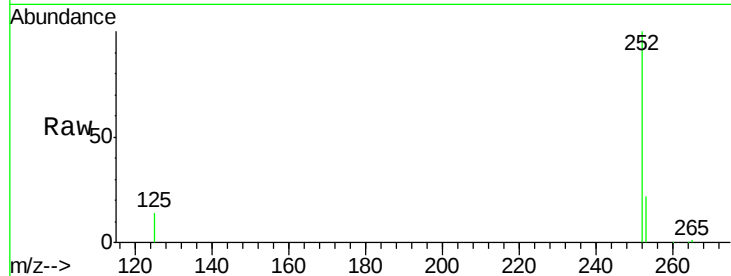
Tgt Ion:252 Resp: 25712

Ion Ratio Lower Upper

252 100

253 22.3 0.0 48.0

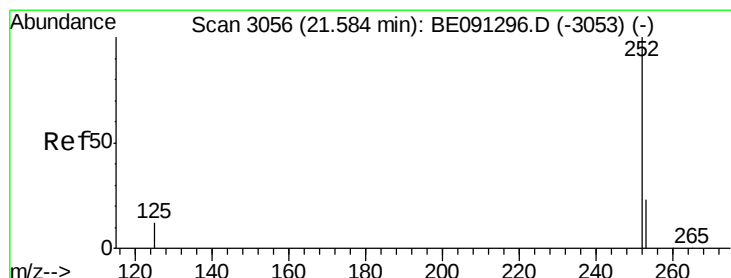
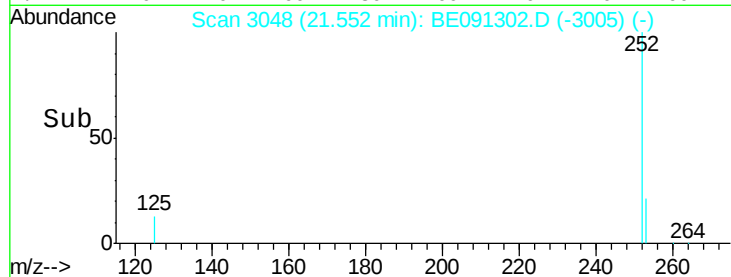
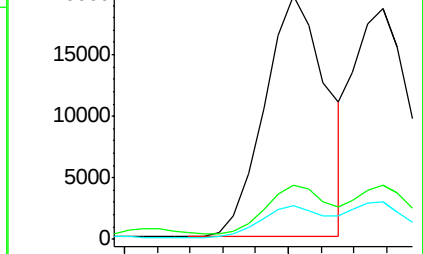
125 13.8 0.0 36.6



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



#24

Benzo(k)fluoranthene

Concen: 0.48 ng/u1

RT: 21.58 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

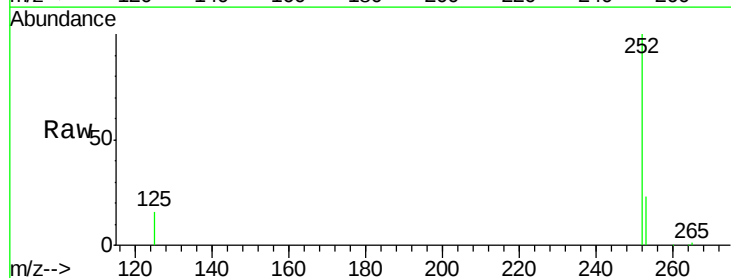
Tgt Ion:252 Resp: 23959

Ion Ratio Lower Upper

252 100

253 23.3 20.8 31.2

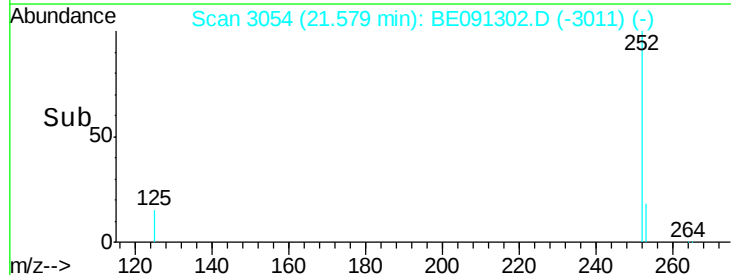
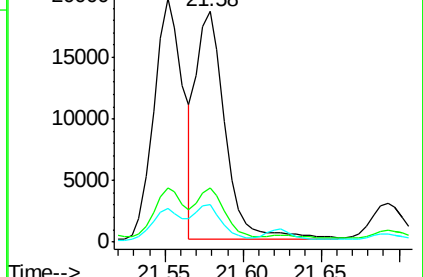
125 16.2 12.2 18.4

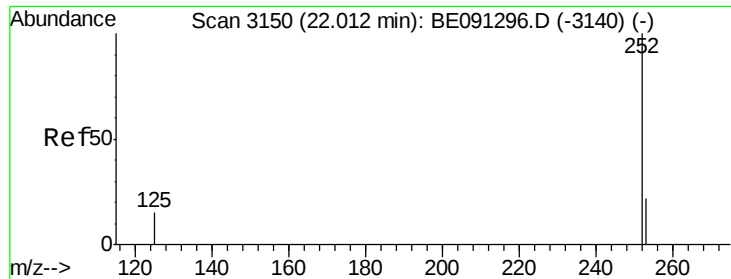


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.58 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

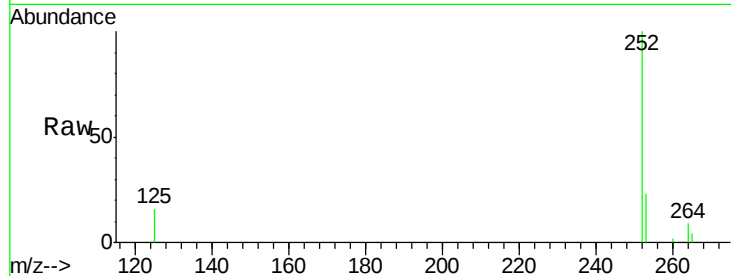
Tgt Ion:252 Resp: 26023

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

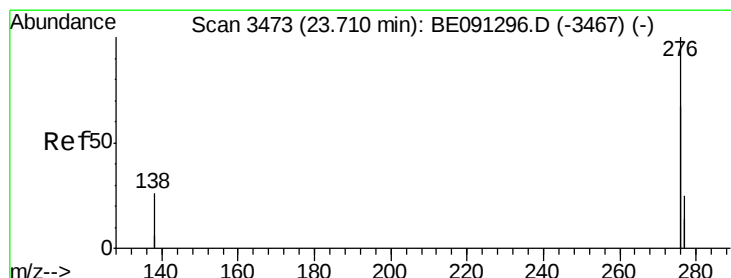
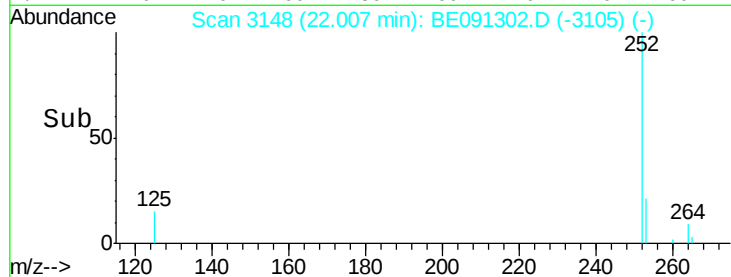
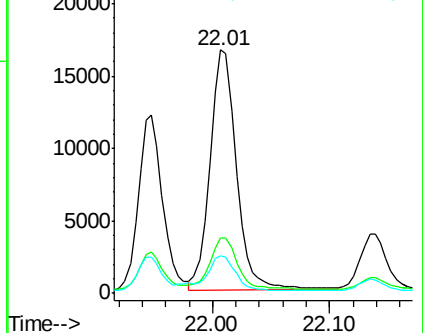
125 15.7 14.5 21.7



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: 0.32 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

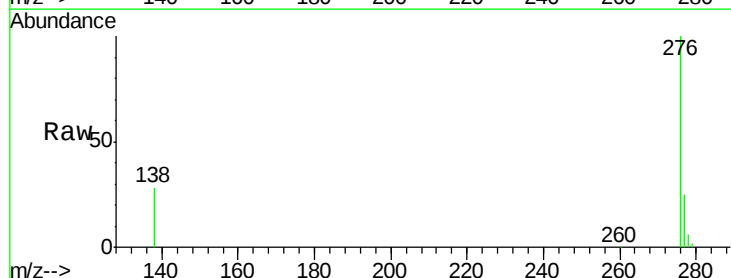
Tgt Ion:276 Resp: 60903

Ion Ratio Lower Upper

276 100

138 26.0 27.5 41.3#

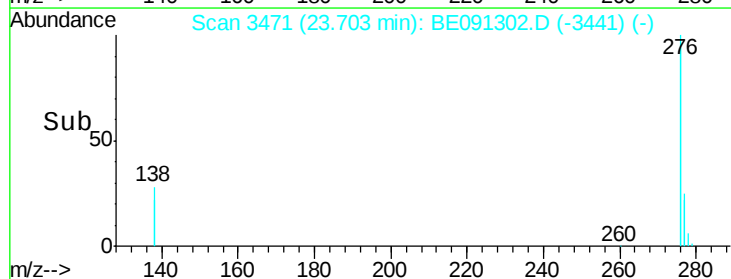
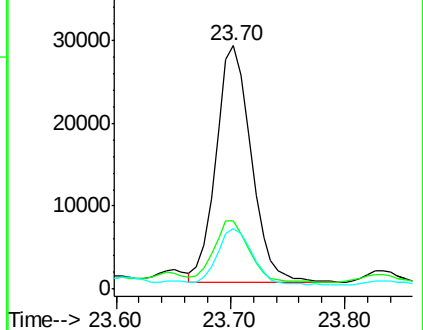
277 24.2 19.3 28.9

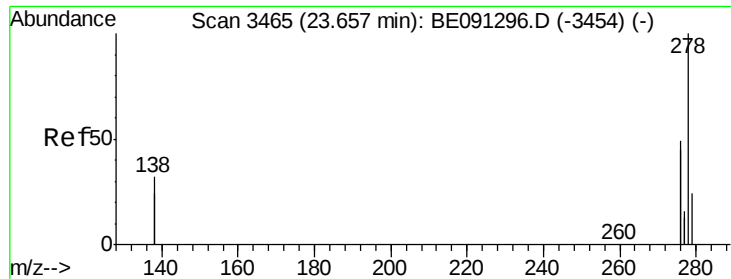


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

ClientSampleId :

A4J67DL

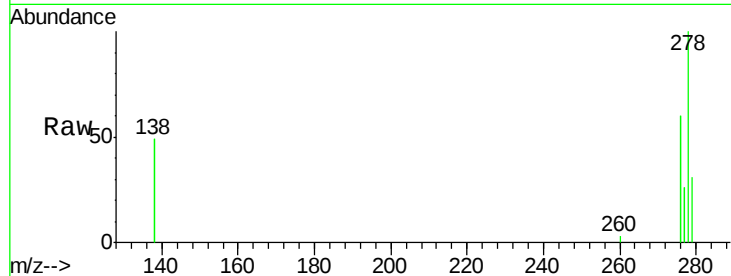
Tgt Ion:278 Resp: 4914

Ion Ratio Lower Upper

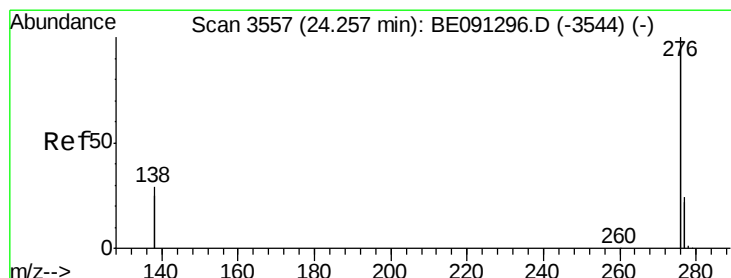
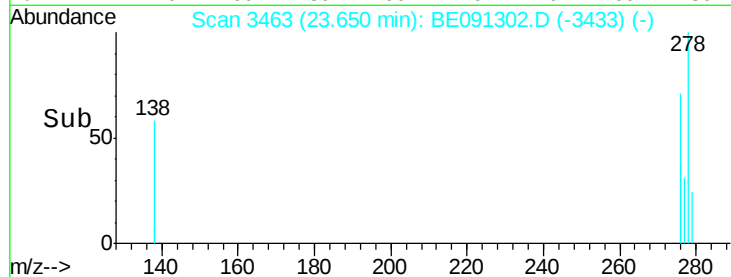
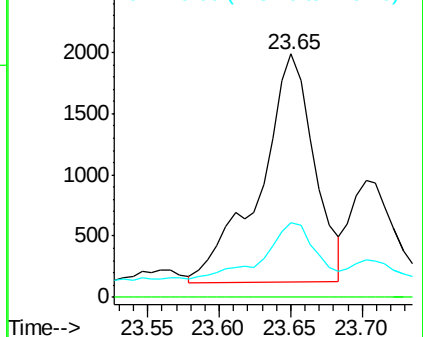
278 100

139 0.0 21.7 32.5#

279 30.5 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(g,h,i)perylene

Concen: 0.30 ng/ul

RT: 24.25 min Scan# 3555

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

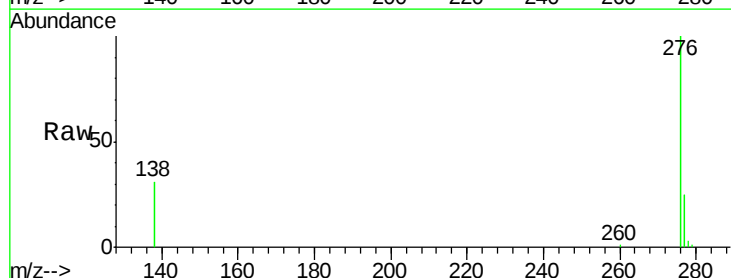
Tgt Ion:276 Resp: 59053

Ion Ratio Lower Upper

276 100

277 24.5 21.3 31.9

138 31.3 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

