

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091310.D
 Acq On : 23 Nov 2015 21:24
 Operator : UM/NP
 Sample : G4345-06RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J48RX

Quant Time: Nov 24 02:53:35 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 02:51:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2283	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	11125	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	5924	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.08	188	16750	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	20692	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	20531	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.94	96	7305	4.45	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	1552	0.10	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	4261	0.09	ng/ul	0.00

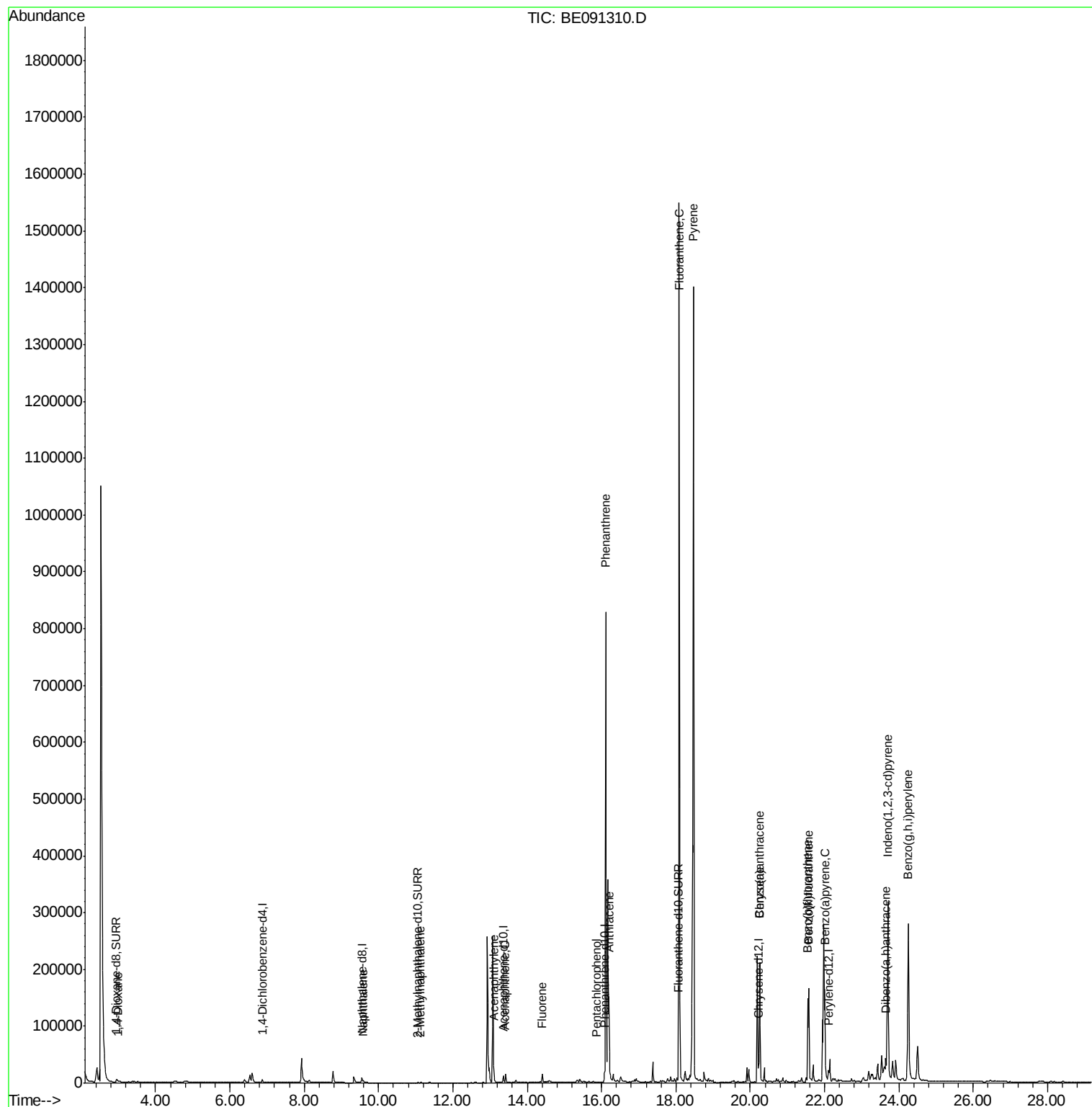
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	79	0.04	ng/ul#	42
5) Naphthalene	9.59	128	5022	0.18	ng/ul	97
7) 2-Methylnaphthalene	11.13	142	1681	0.09	ng/ul	99
9) Acenaphthylene	13.11	152	8501	0.29	ng/ul	98
10) Acenaphthene	13.42	153	7772	0.38	ng/ul#	88
11) Fluorene	14.40	166	10259	0.39	ng/ul	96
13) Pentachlorophenol	15.86	266	133	0.08	ng/ul	96
14) Phenanthrene	16.11	178	826150	4.27	ng/ul	99
15) Anthracene	16.20	178	165408	0.94	ng/ul	95
17) Fluoranthene	18.09	202	1548329	6.84	ng/ul	89
19) Pyrene	18.47	202	1454122	6.19	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	187886	3.54	ng/ul	96
21) Chrysene	20.26	228	190836	3.12	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	142864	2.23	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	155878	2.37	ng/ul	94
25) Benzo(a)pyrene	22.01	252	166778	2.82	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	408338	1.64	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.64	278	31943	0.54	ng/ul#	73
28) Benzo(g,h,i)perylene	24.25	276	430172	1.65	ng/ul	95

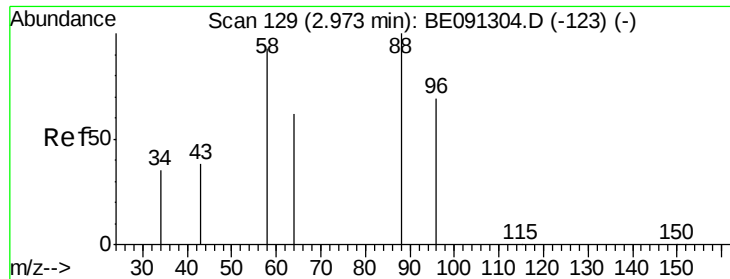
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 02:53:35 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 02:51:08 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. 0.02 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampled :

A4J48RX

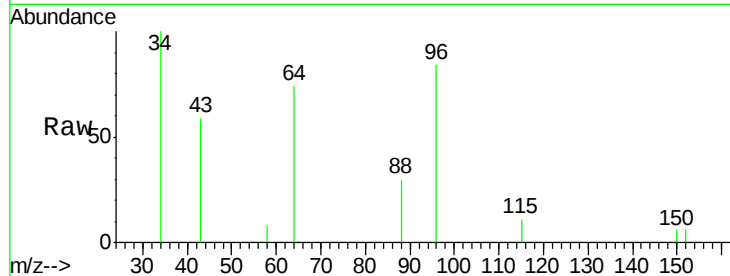
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

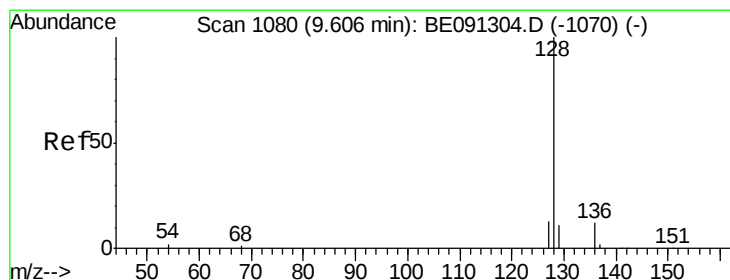
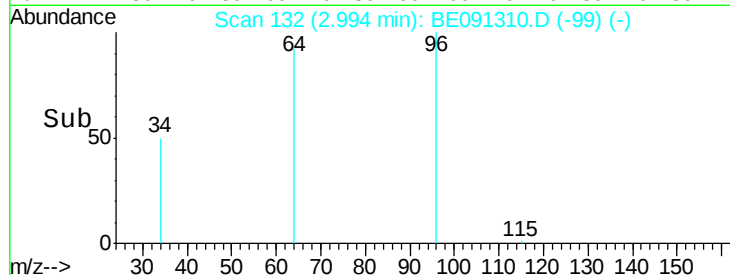
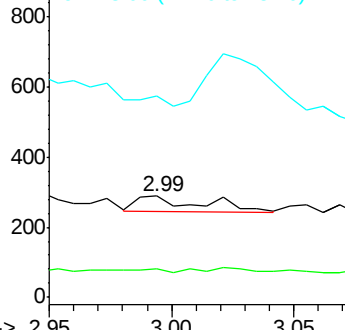
88 100

58 21.5 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



#5

Naphthalene

Concen: 0.18 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

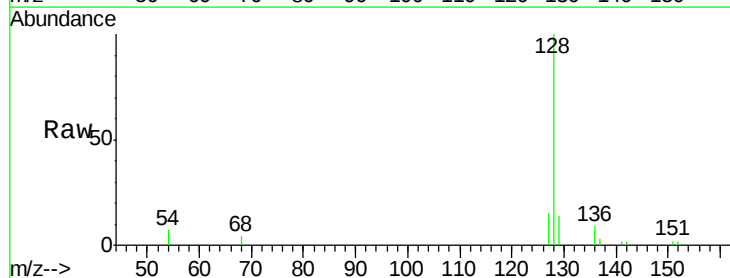
Tgt Ion: 128 Resp: 5022

Ion Ratio Lower Upper

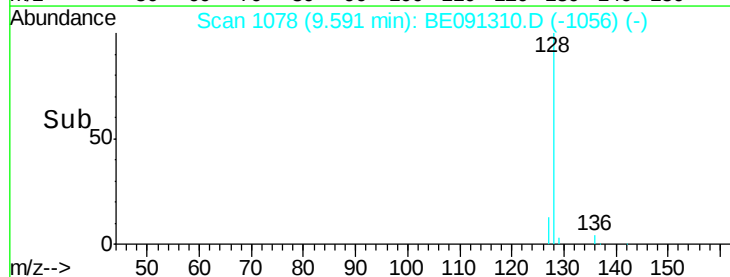
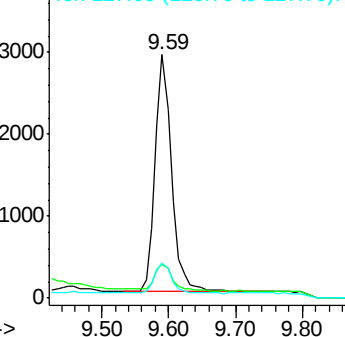
128 100

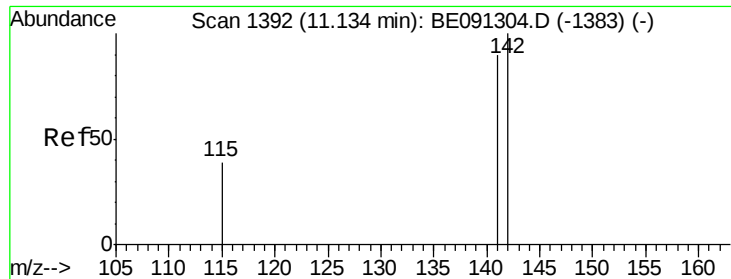
129 13.6 9.8 14.8

127 14.6 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





#7

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

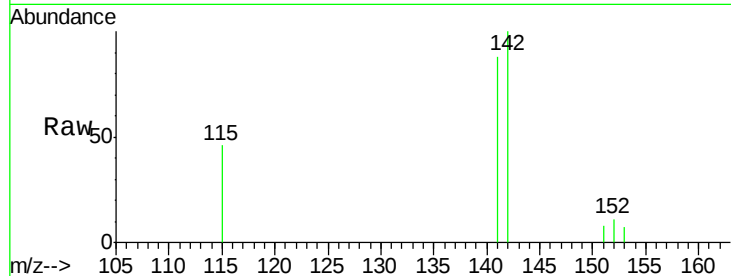
A4J48RX

Tgt Ion:142 Resp: 1681

Ion Ratio Lower Upper

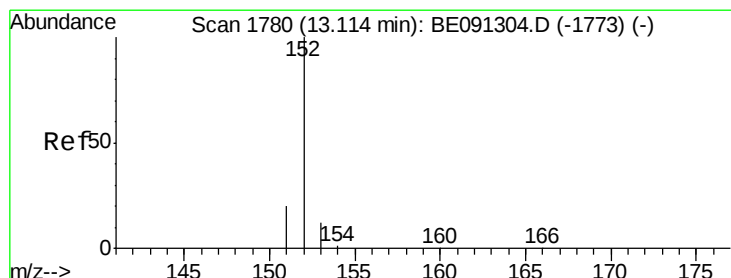
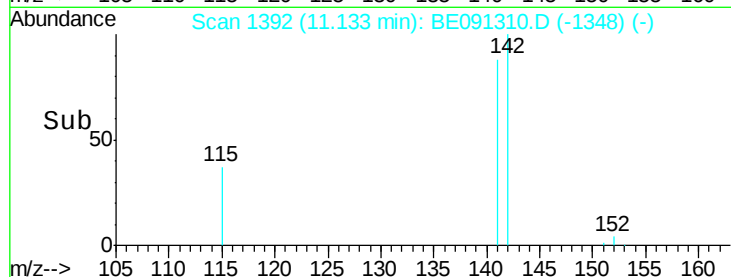
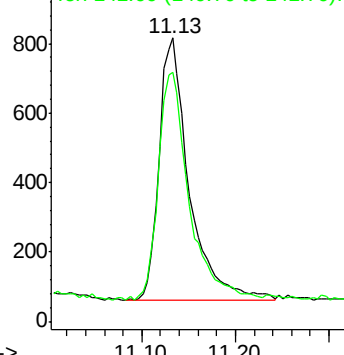
142 100

141 88.9 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: 0.29 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

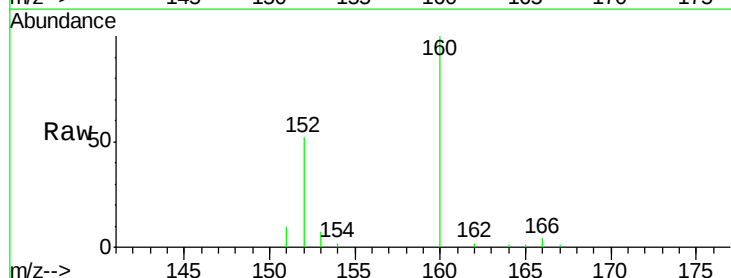
Tgt Ion:152 Resp: 8501

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

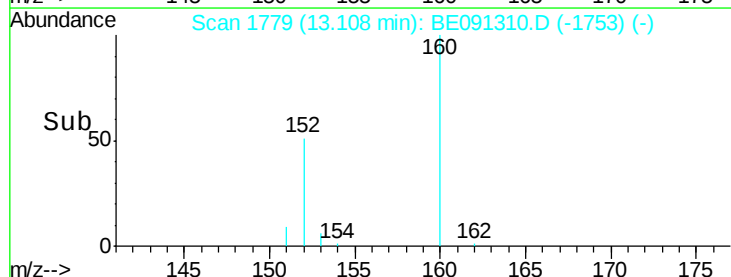
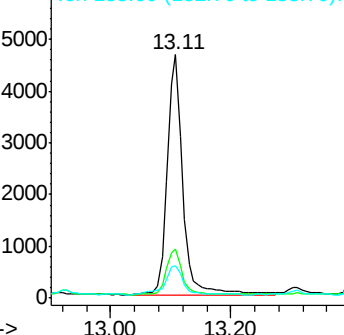
153 13.4 11.3 16.9

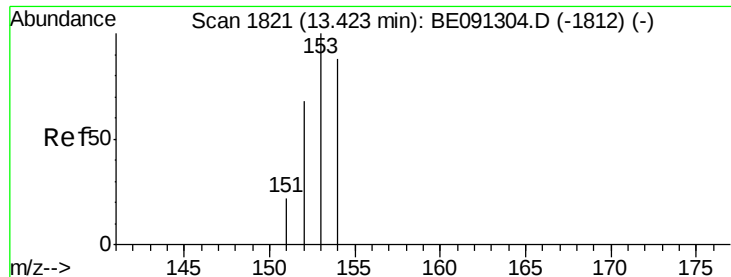


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

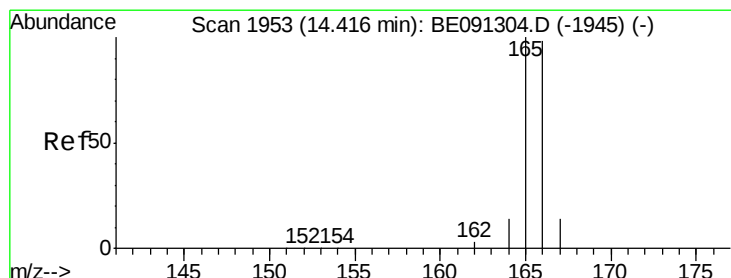
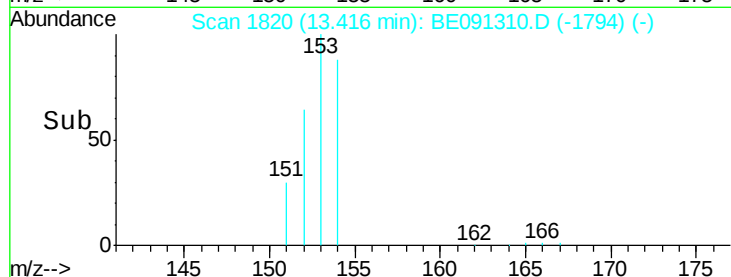
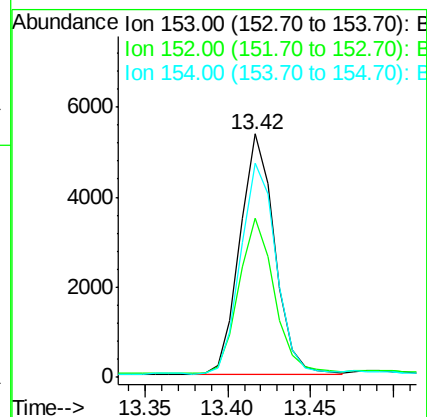
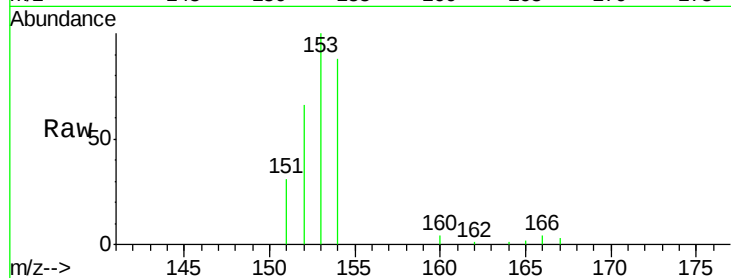
Tgt Ion:153 Resp: 7772

Ion Ratio Lower Upper

153 100

152 65.5 42.3 63.5#

154 87.9 64.7 97.1



#11

Fluorene

Concen: 0.39 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

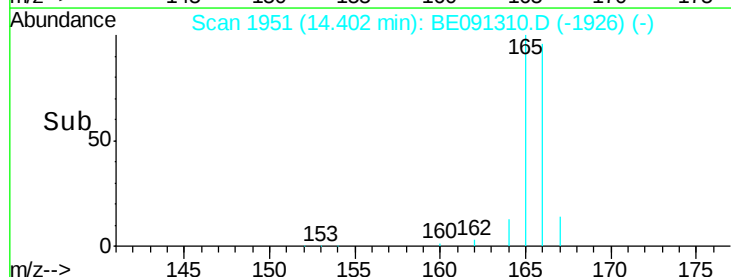
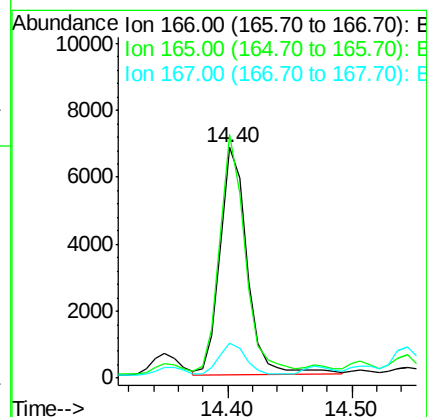
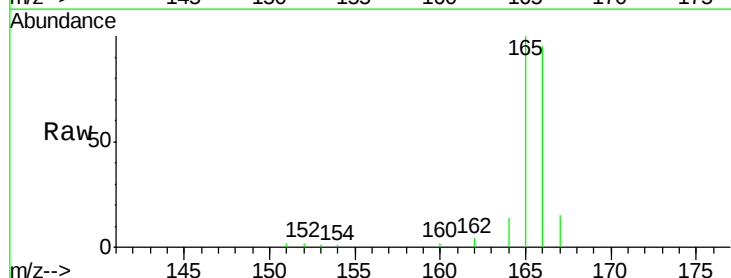
Tgt Ion:166 Resp: 10259

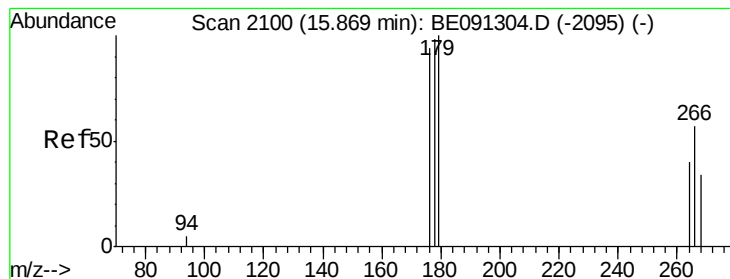
Ion Ratio Lower Upper

166 100

165 105.7 87.6 131.4

167 15.4 11.1 16.7





#13

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 15.86 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

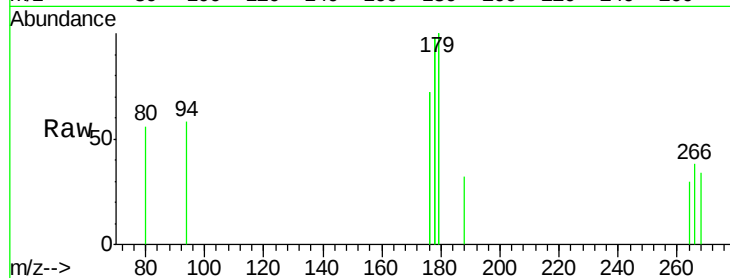
Tgt Ion: 266 Resp: 133

Ion Ratio Lower Upper

266 100

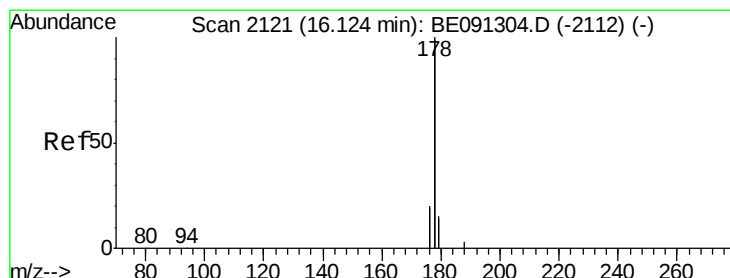
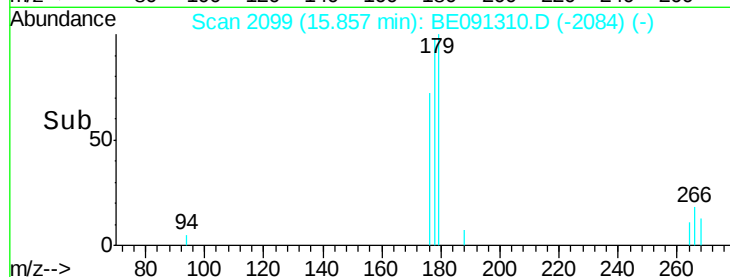
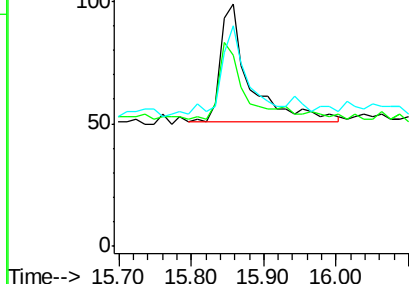
264 60.9 53.5 80.3

268 67.7 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

15.86



#14

Phenanthrene

Concen: 4.27 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

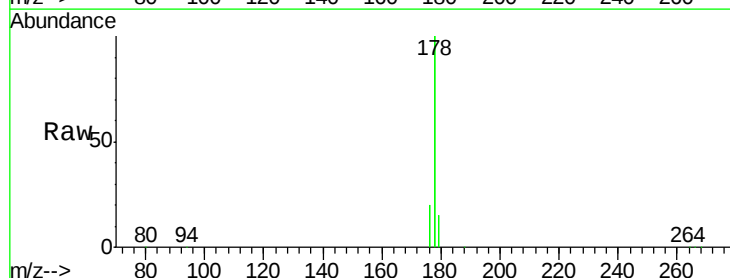
Tgt Ion: 178 Resp: 826150

Ion Ratio Lower Upper

178 100

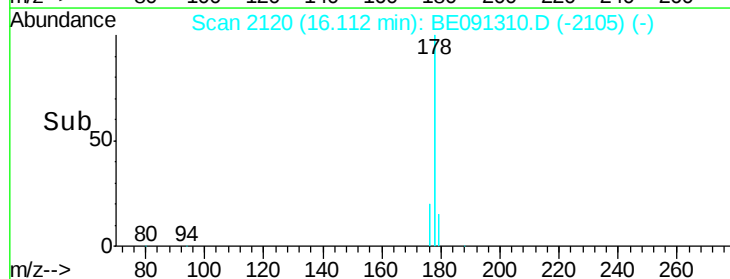
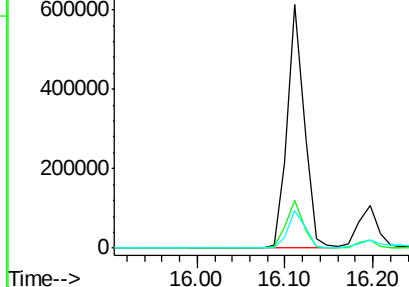
176 19.8 16.2 24.4

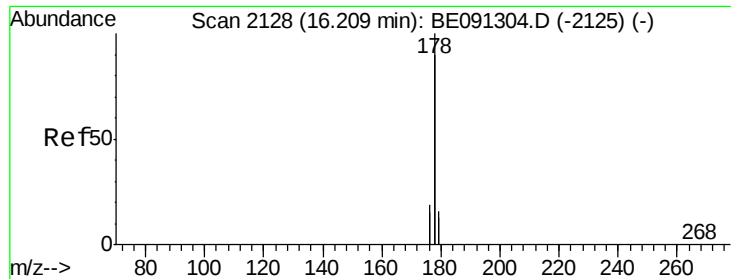
179 15.3 12.8 19.2



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

16.11





#15

Anthracene

Concen: 0.94 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

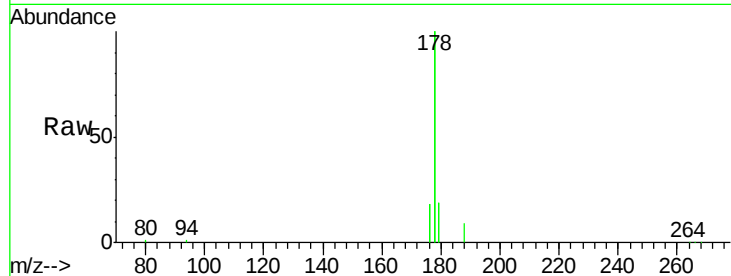
Tgt Ion:178 Resp: 165408

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

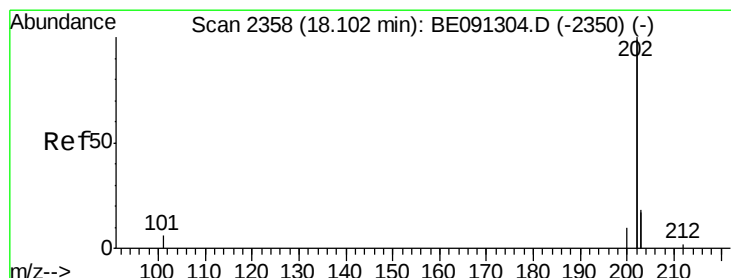
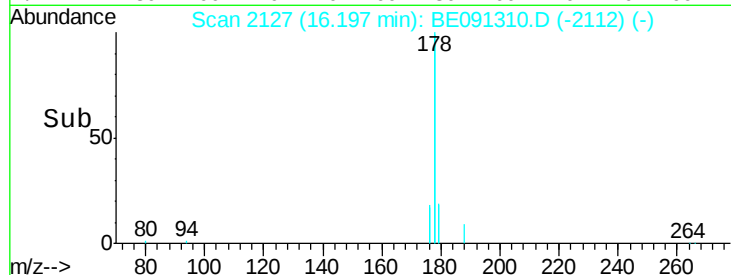
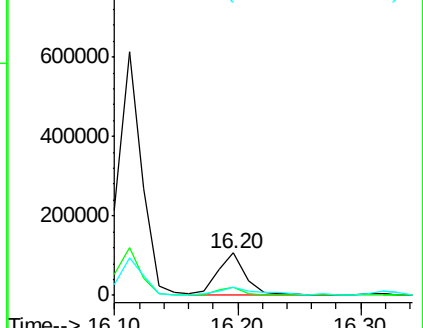
179 19.0 13.3 19.9



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: 6.84 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

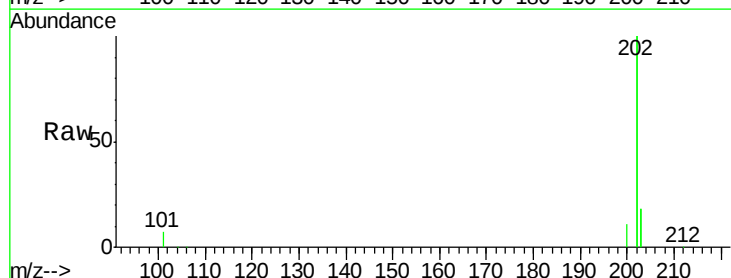
Tgt Ion:202 Resp: 1548329

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

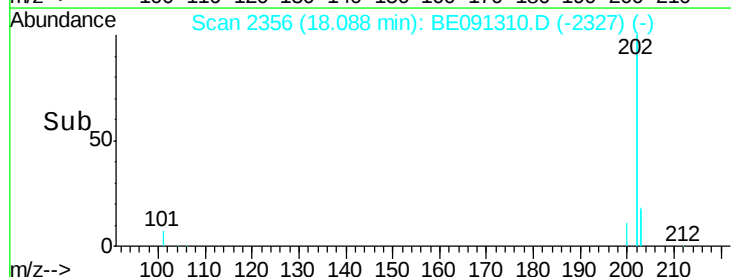
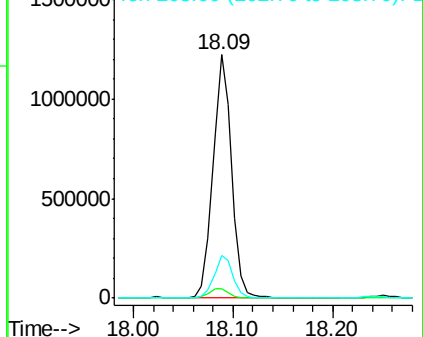
203 17.6 0.0 37.2

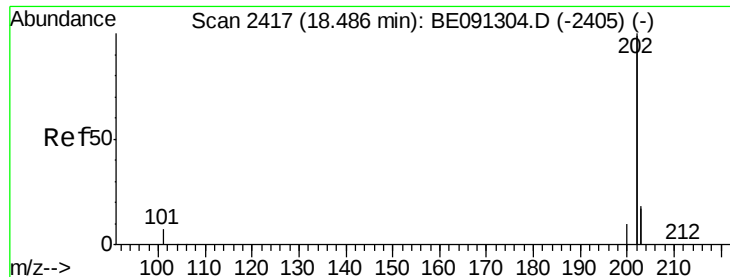


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 6.19 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

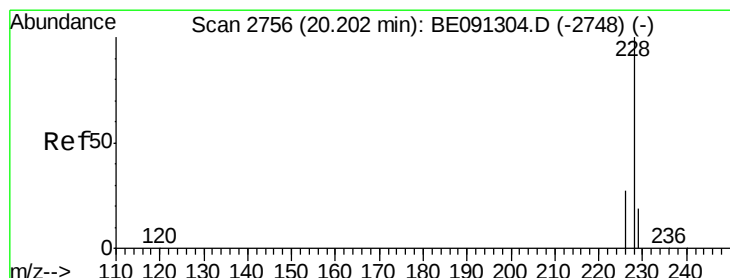
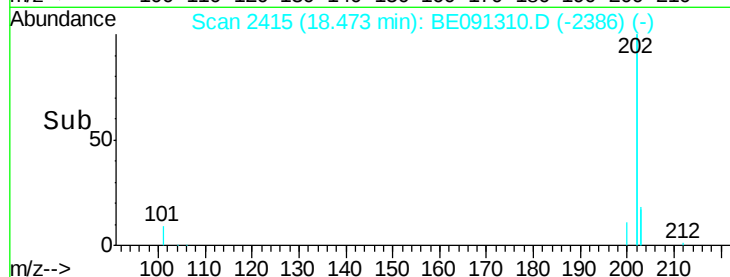
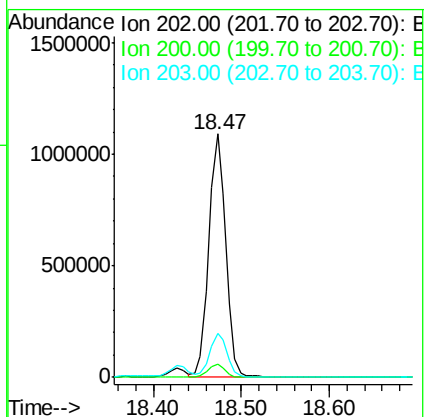
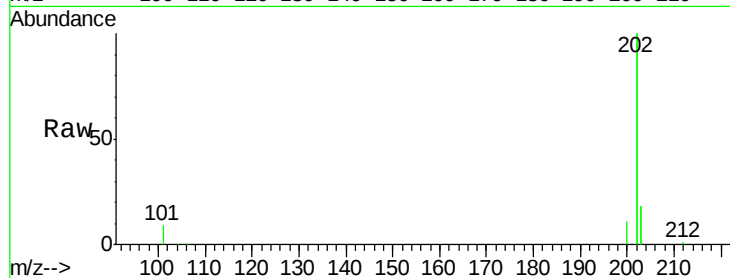
Tgt Ion:202 Resp: 1454122

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 18.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 3.54 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.05 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

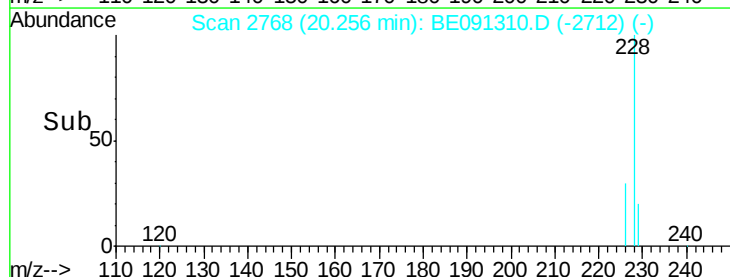
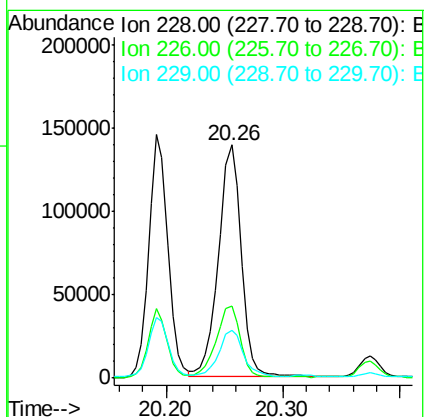
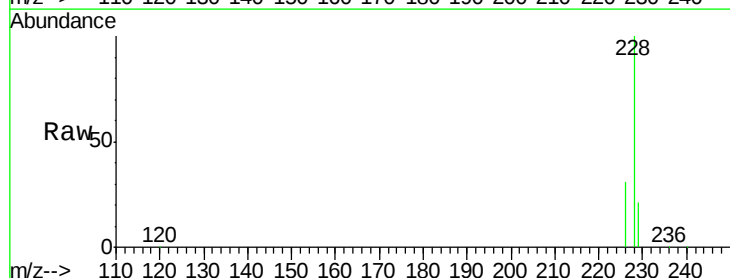
Tgt Ion:228 Resp: 187886

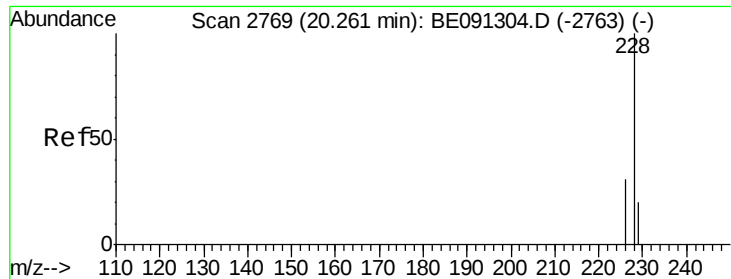
Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

229 20.8 15.2 22.8





#21

Chrysene

Concen: 3.12 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

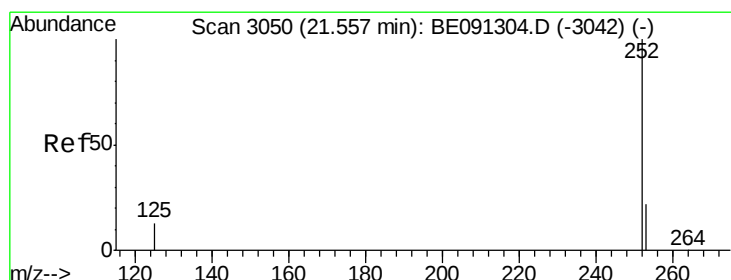
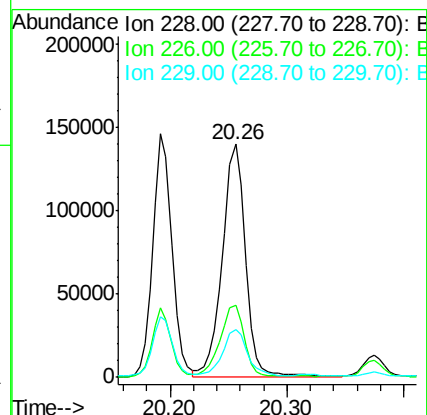
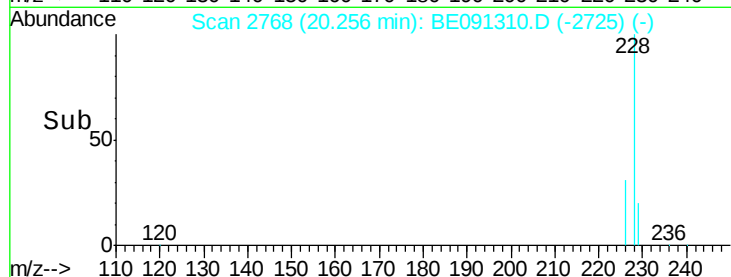
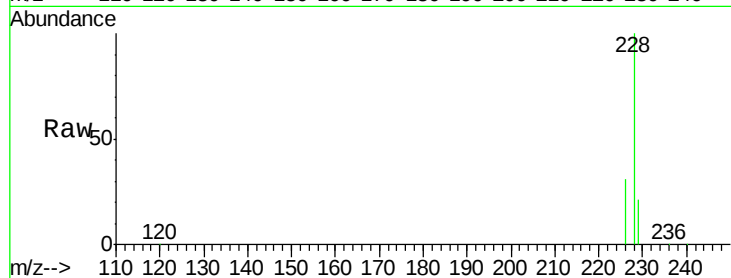
Tgt Ion:228 Resp: 190836

Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

229 20.8 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 2.23 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

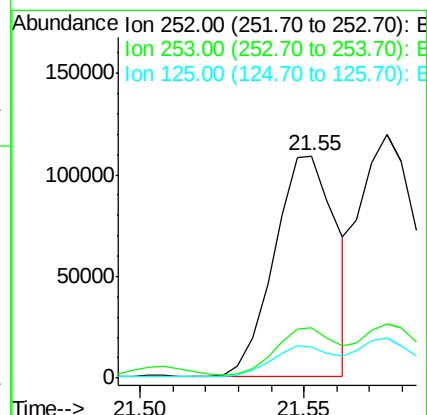
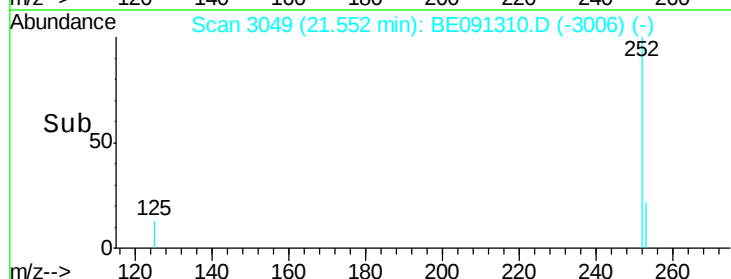
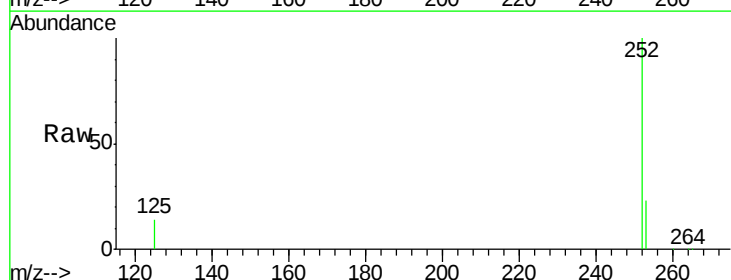
Tgt Ion:252 Resp: 142864

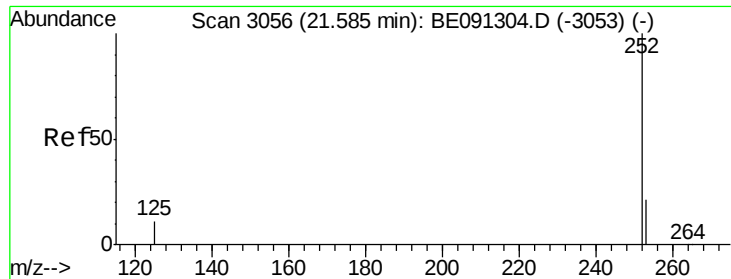
Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.0

125 13.9 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 2.37 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

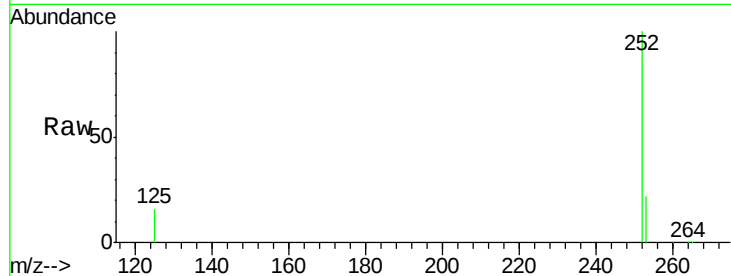
Tgt Ion:252 Resp: 155878

Ion Ratio Lower Upper

252 100

253 22.3 20.8 31.2

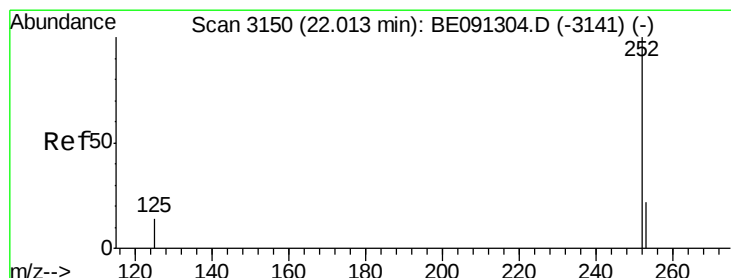
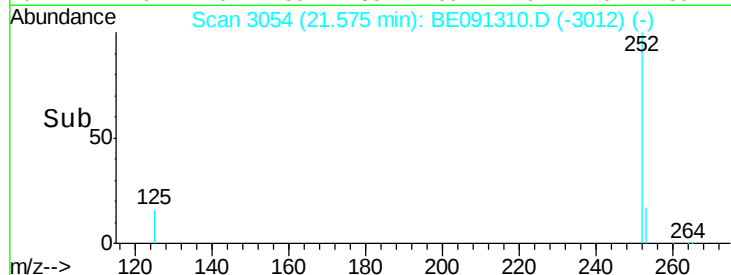
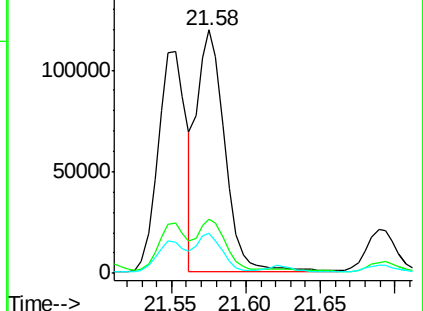
125 16.5 12.2 18.4



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: 2.82 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

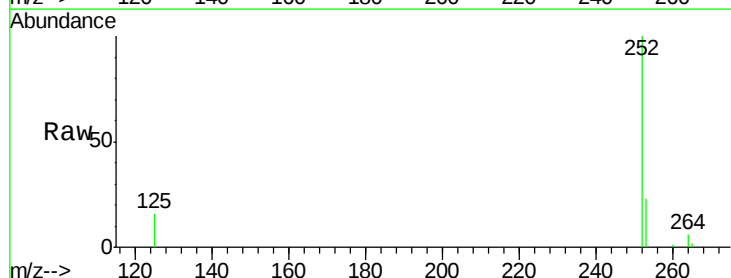
Tgt Ion:252 Resp: 166778

Ion Ratio Lower Upper

252 100

253 22.7 21.8 32.8

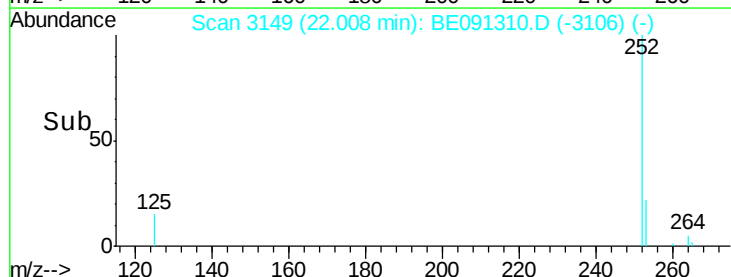
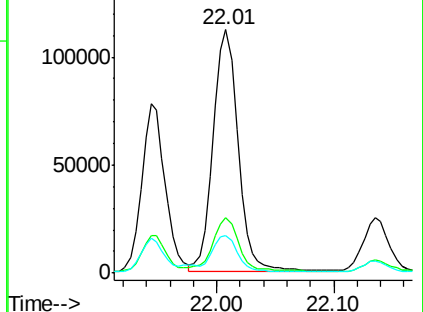
125 15.6 14.5 21.7

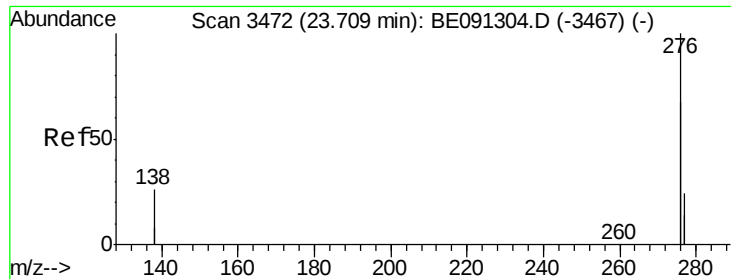


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.64 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

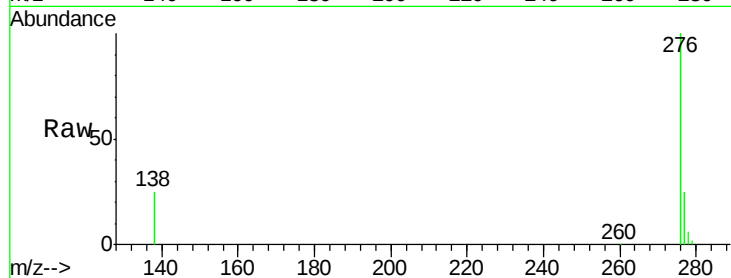
Tgt Ion:276 Resp: 408338

Ion Ratio Lower Upper

276 100

138 25.6 27.5 41.3#

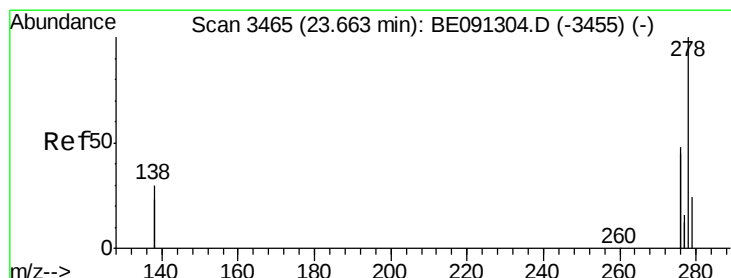
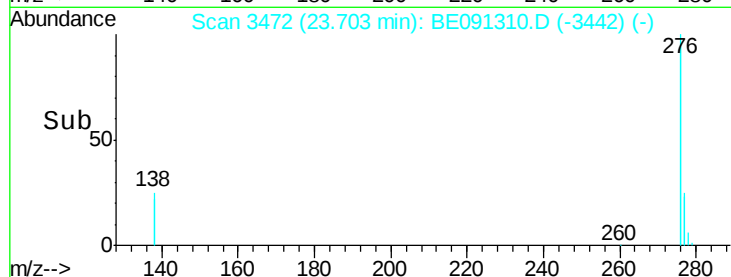
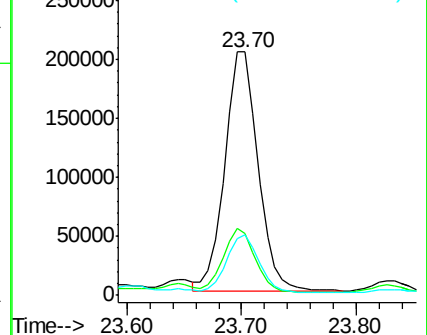
277 23.8 19.3 28.9



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: 0.54 ng/ul

RT: 23.64 min Scan# 3463

Delta R.T. -0.02 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

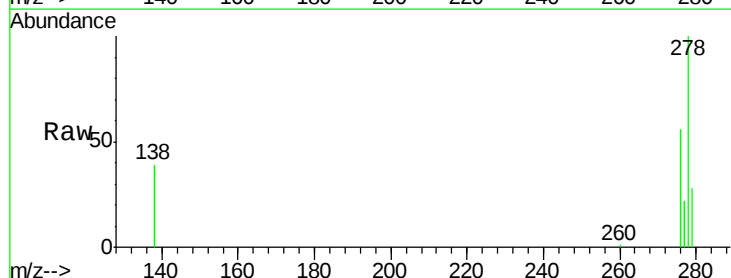
Tgt Ion:278 Resp: 31943

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

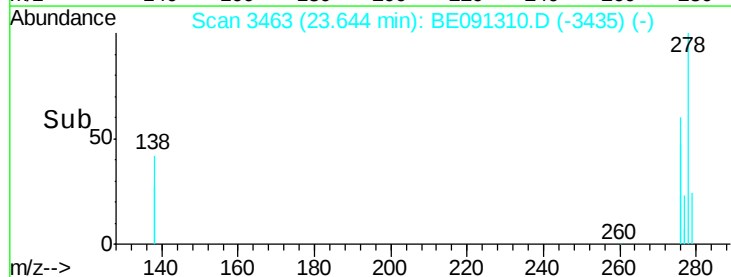
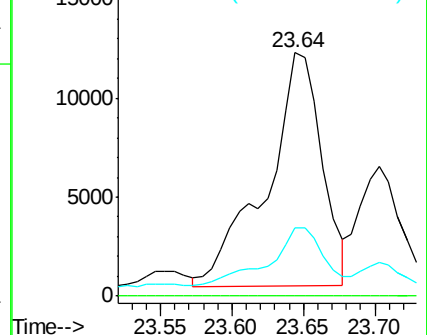
279 28.0 21.9 32.9

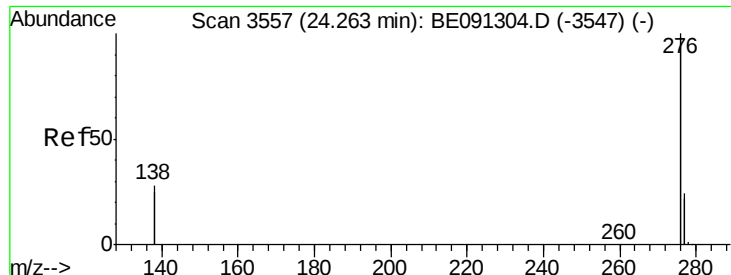


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.65 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091310.D

Acq: 23 Nov 2015 21:24

Instrument :

BNA_E

ClientSampleId :

A4J48RX

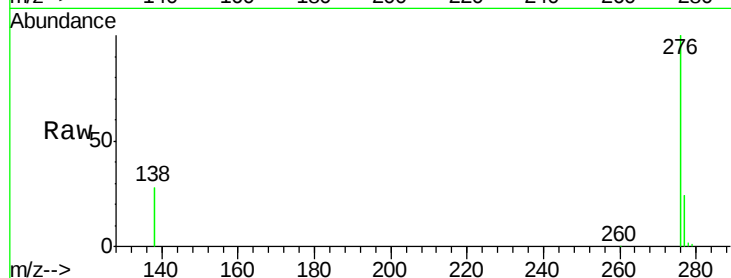
Tgt Ion: 276 Resp: 430172

Ion Ratio Lower Upper

276 100

277 24.4 21.3 31.9

138 28.4 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

