

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091307.D
 Acq On : 23 Nov 2015 19:37
 Operator : UM/NP
 Sample : G4322-22RXDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HT1RXDL

Quant Time: Nov 24 02:52:51 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	6.89	152	1991	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.57	136	9574	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4813	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	14715	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19607	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	18276	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.00	96	1327	0.93	ng/uL	0.04
6) 2-Methylnaphthalene-d10	11.09	152	167	0.01	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	482	0.01	ng/ul	0.00

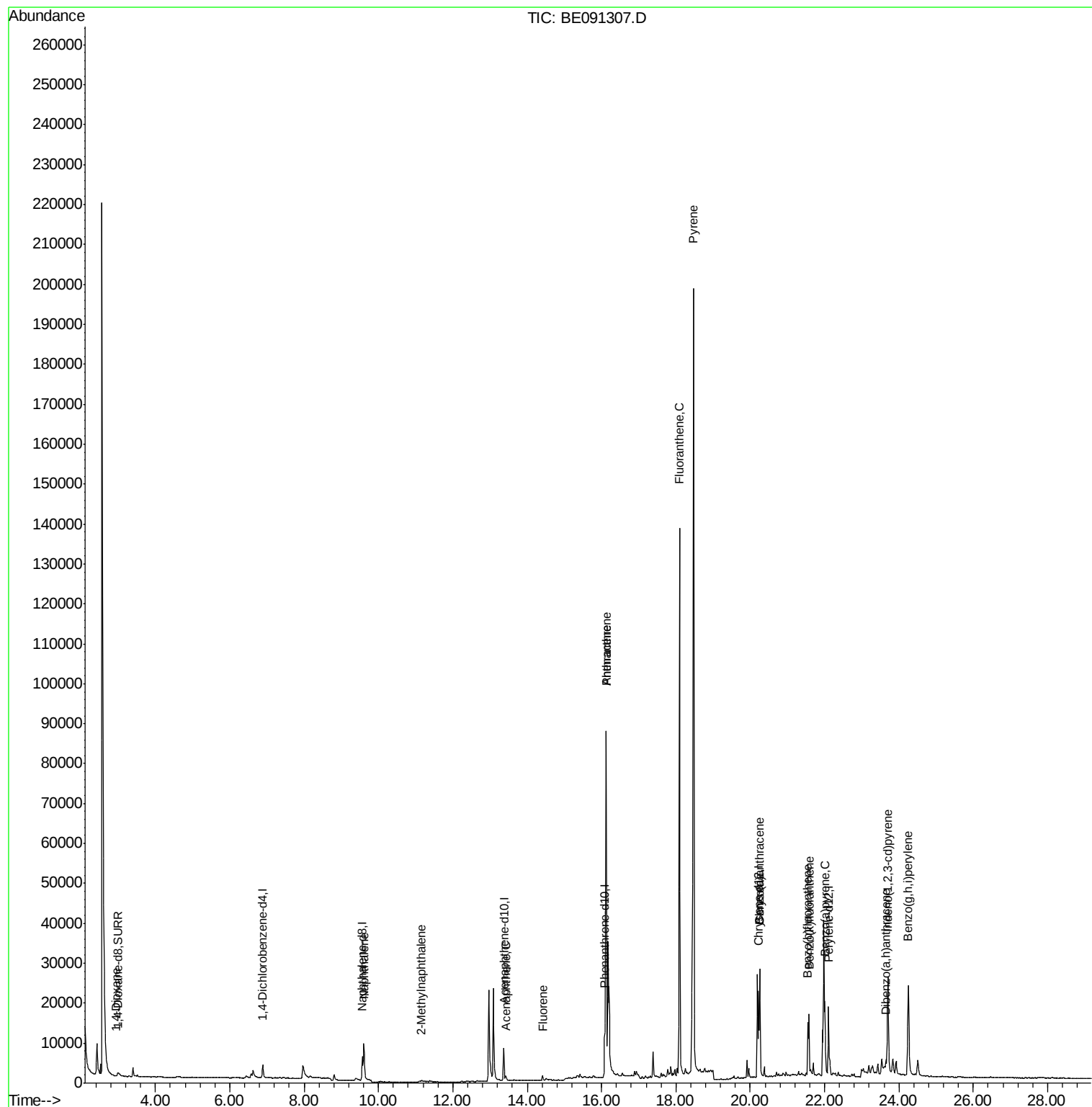
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.93	88	124	0.08	ng/ul#	34
5) Naphthalene	9.61	128	15132	0.64	ng/ul	99
7) 2-Methylnaphthalene	11.16	142	582	0.04	ng/ul	97
10) Acenaphthene	13.43	153	726	0.04	ng/ul#	85
11) Fluorene	14.42	166	945	0.04	ng/ul#	88
14) Phenanthrene	16.13	178	114294	0.67	ng/ul	96
15) Anthracene	16.13	178	114294	0.74	ng/ul	98
17) Fluoranthene	18.09	202	149876	0.75	ng/ul	88
19) Pyrene	18.47	202	224048	1.01	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	25357	0.50	ng/ul	95
21) Chrysene	20.26	228	26351	0.45	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	13255	0.23	ng/ul	96
24) Benzo(k)fluoranthene	21.58	252	15503	0.26	ng/ul#	93
25) Benzo(a)pyrene	22.01	252	19390	0.37	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.70	276	33545	0.15	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.65	278	2964	0.06	ng/ul#	63
28) Benzo(g,h,i)perylene	24.25	276	38227	0.16	ng/ul	98

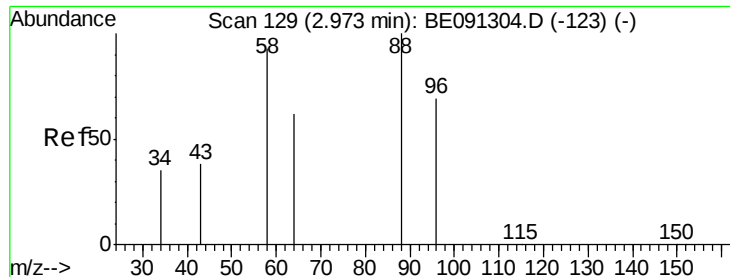
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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#3

1,4-Dioxane

Concen: 0.08 ng/ul

RT: 2.93 min Scan# 123

Delta R.T. -0.04 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

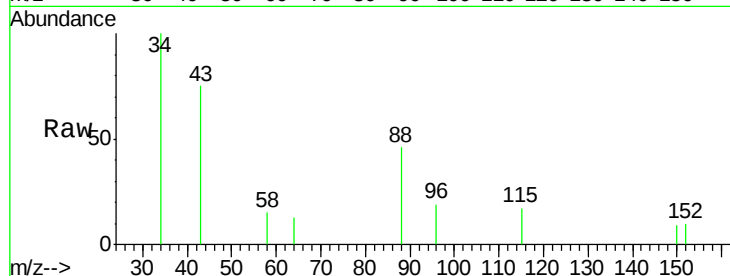
Tgt Ion: 88 Resp: 124

Ion Ratio Lower Upper

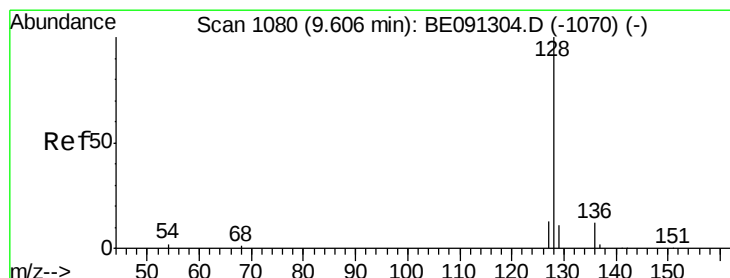
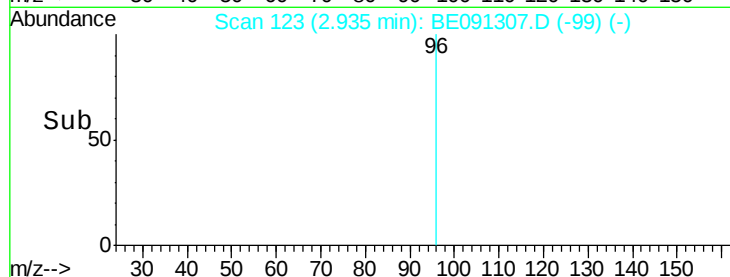
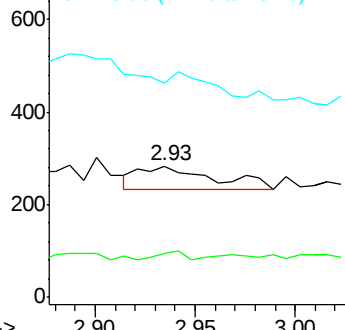
88 100

58 11.3 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: 0.64 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

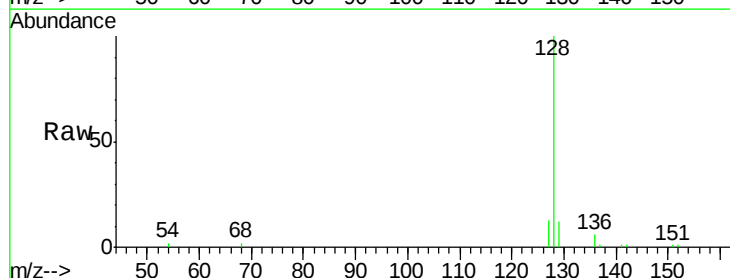
Tgt Ion: 128 Resp: 15132

Ion Ratio Lower Upper

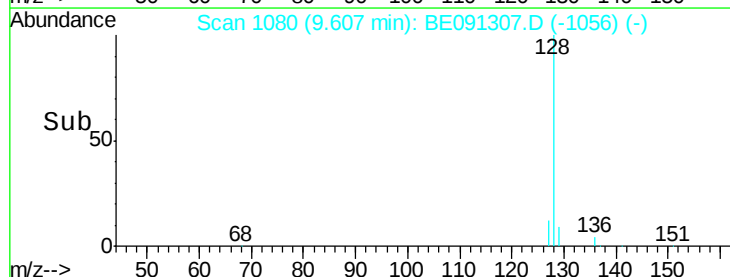
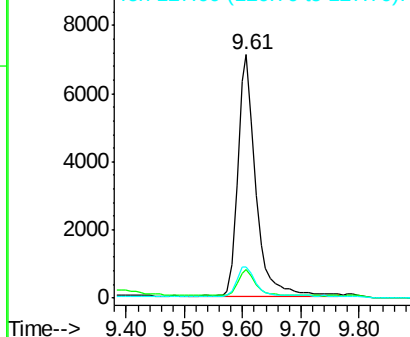
128 100

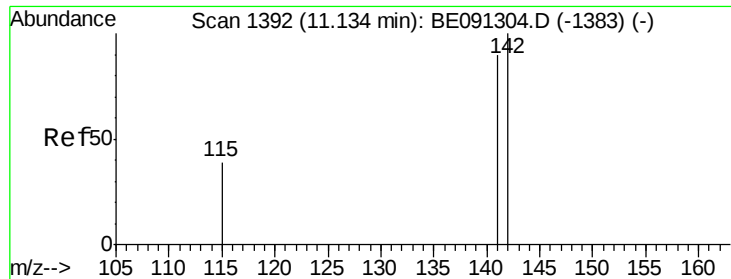
129 11.6 9.8 14.8

127 13.0 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





#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 11.16 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

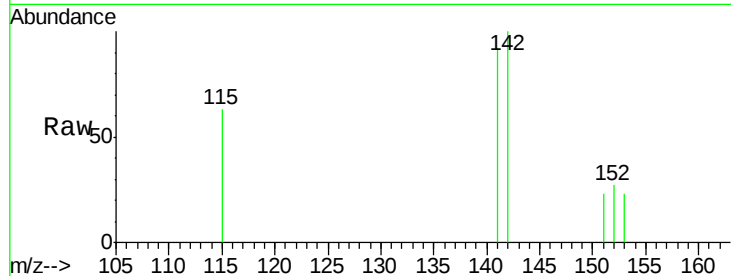
A4HT1RXDL

Tgt Ion:142 Resp: 582

Ion Ratio Lower Upper

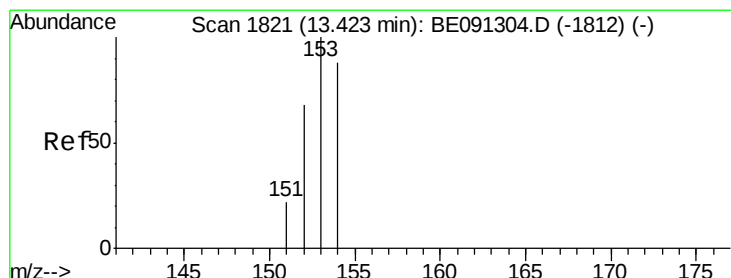
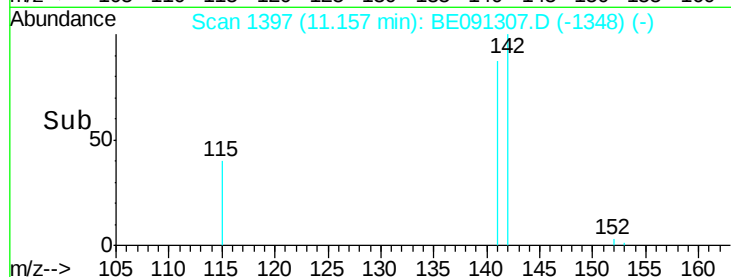
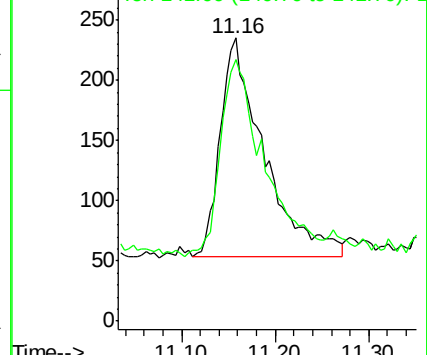
142 100

141 91.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

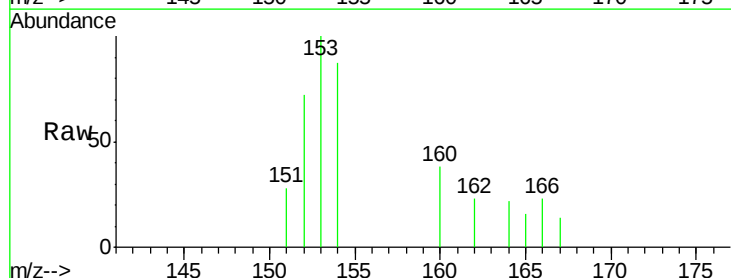
Tgt Ion:153 Resp: 726

Ion Ratio Lower Upper

153 100

152 72.1 42.3 63.5#

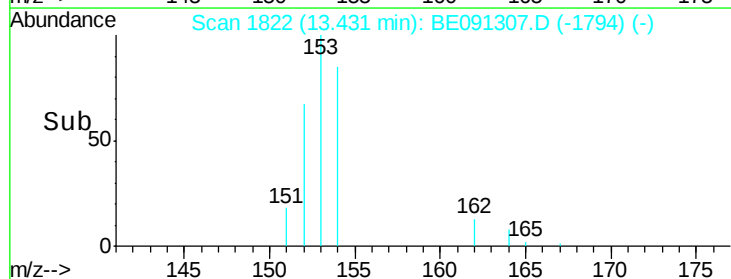
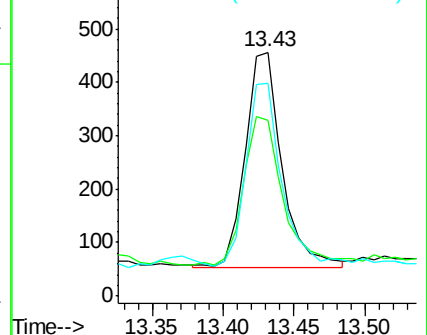
154 87.3 64.7 97.1

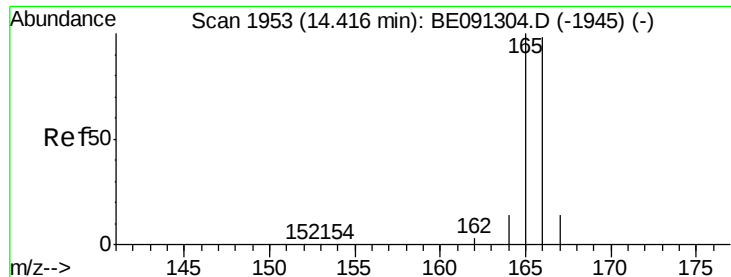


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

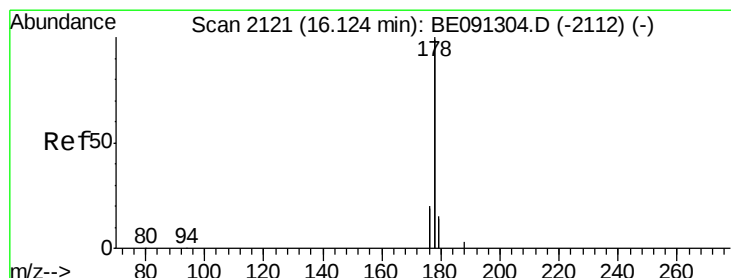
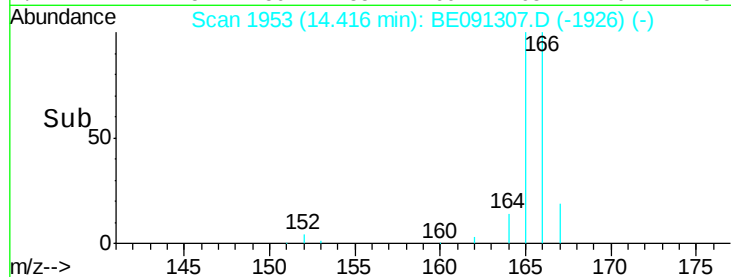
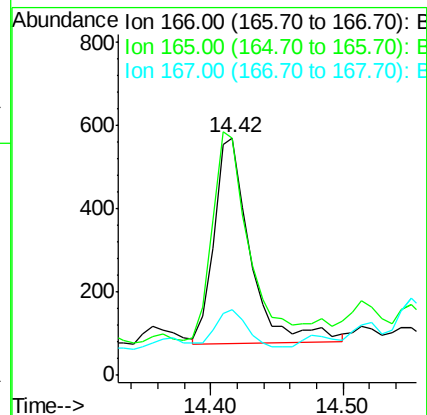
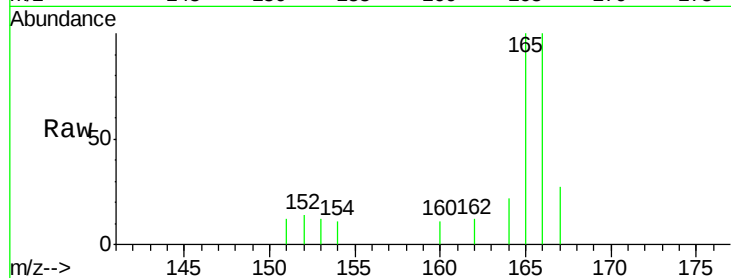
Tgt Ion:166 Resp: 945

Ion Ratio Lower Upper

166 100

165 100.2 87.6 131.4

167 27.5 11.1 16.7#



#14

Phenanthrene

Concen: 0.67 ng/ul

RT: 16.13 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

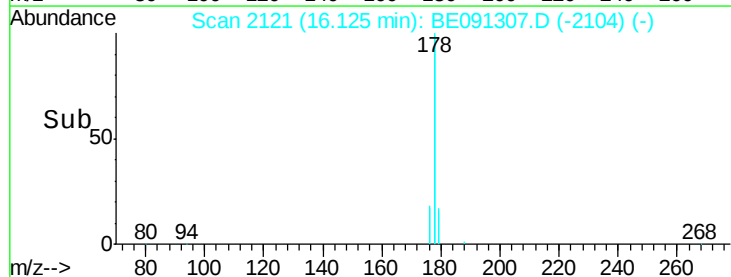
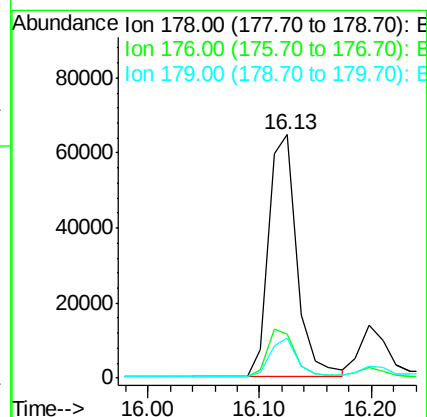
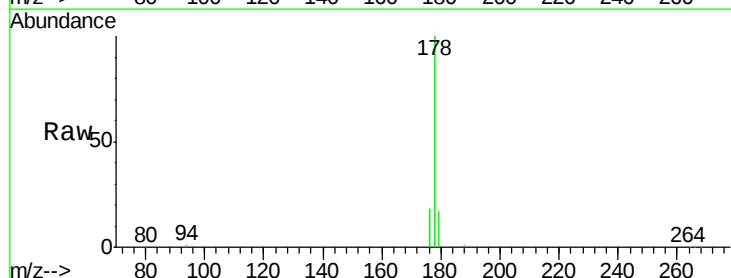
Tgt Ion:178 Resp: 114294

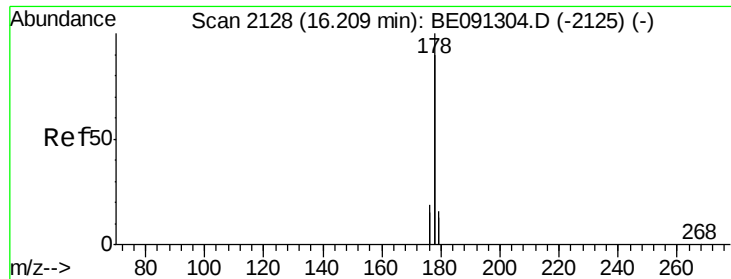
Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.4

179 16.7 12.8 19.2





#15

Anthracene

Concen: 0.74 ng/ul

RT: 16.13 min Scan# 2121

Delta R.T. -0.08 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

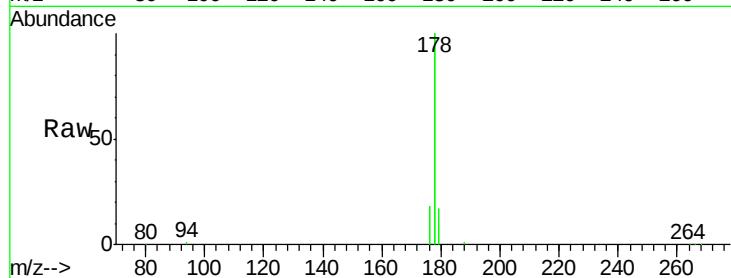
Tgt Ion:178 Resp: 114294

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

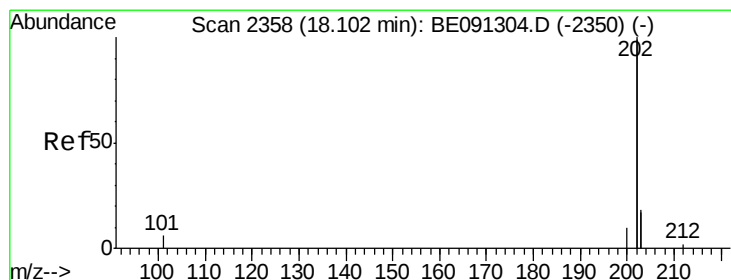
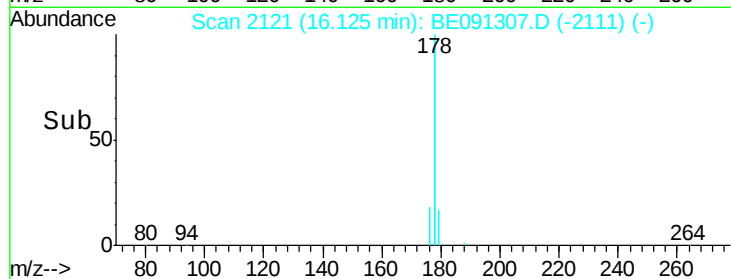
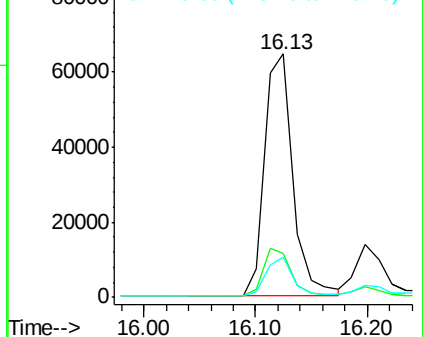
179 16.7 13.3 19.9



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: 0.75 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

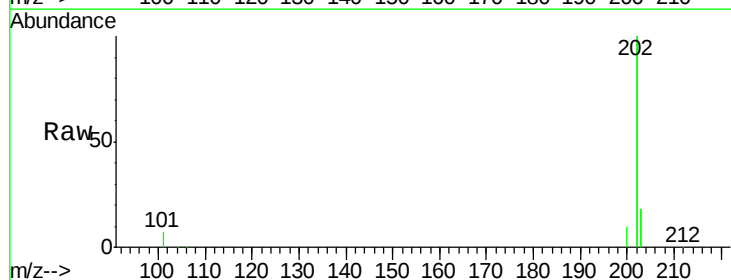
Tgt Ion:202 Resp: 149876

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

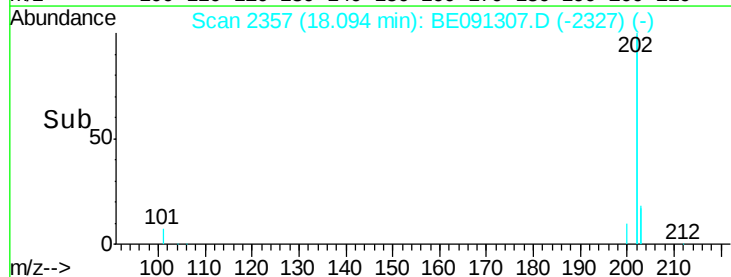
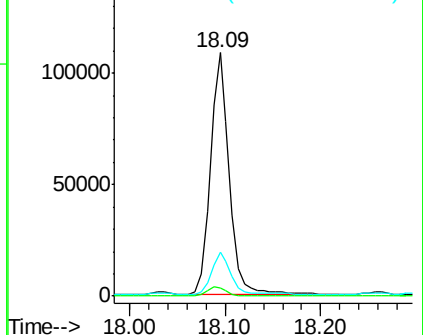
203 18.1 0.0 37.2

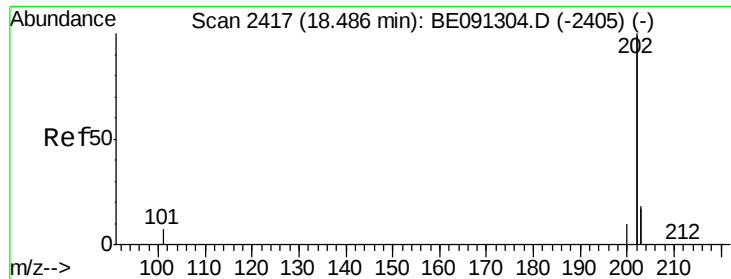


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.01 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

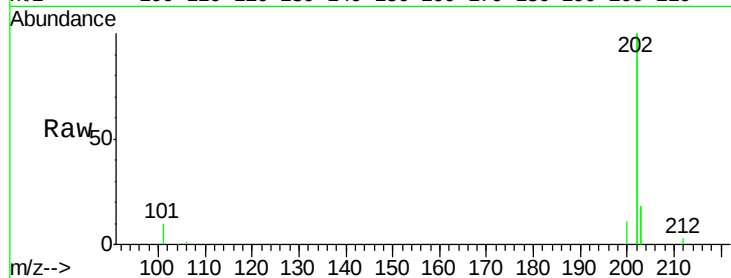
Tgt Ion:202 Resp: 224048

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

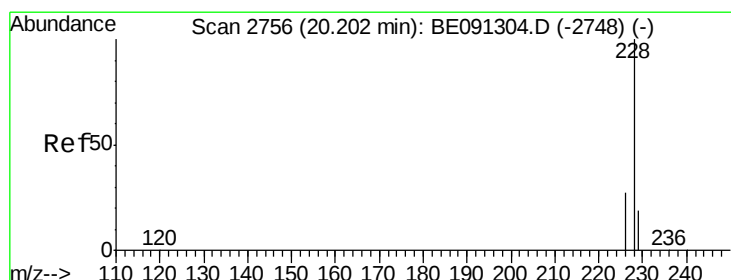
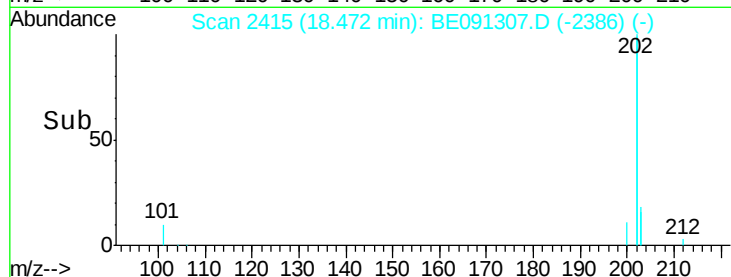
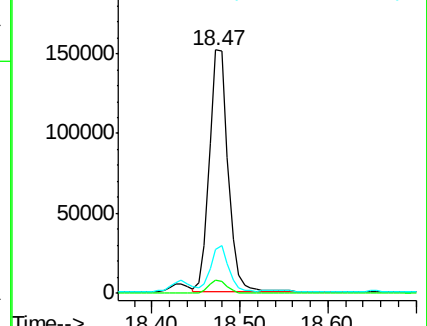
203 17.8 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.50 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.05 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

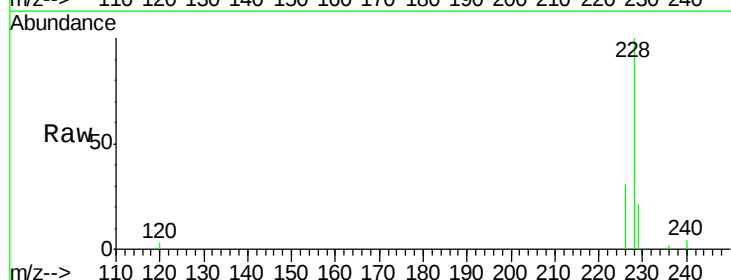
Tgt Ion:228 Resp: 25357

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.4

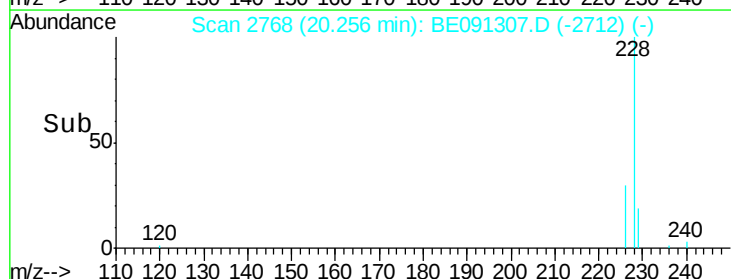
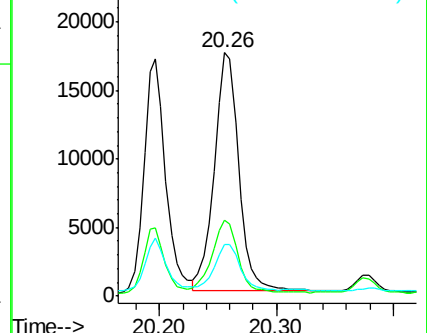
229 21.2 15.2 22.8

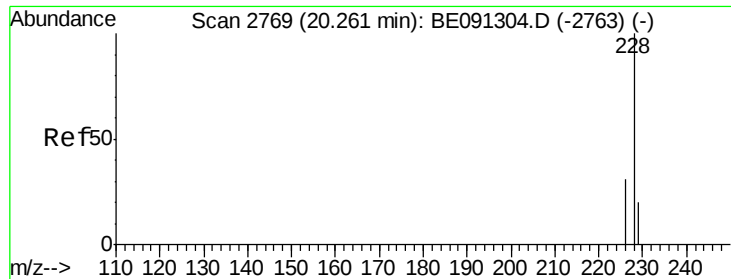


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.45 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

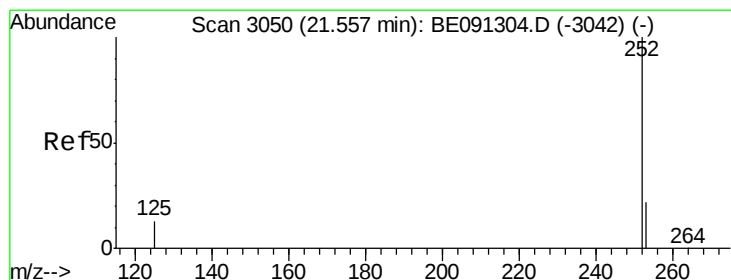
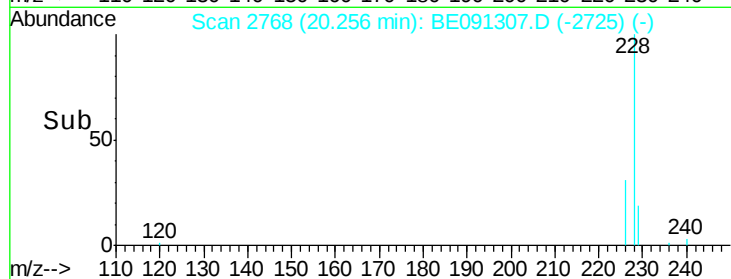
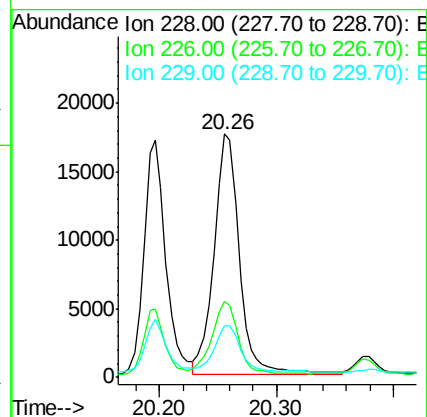
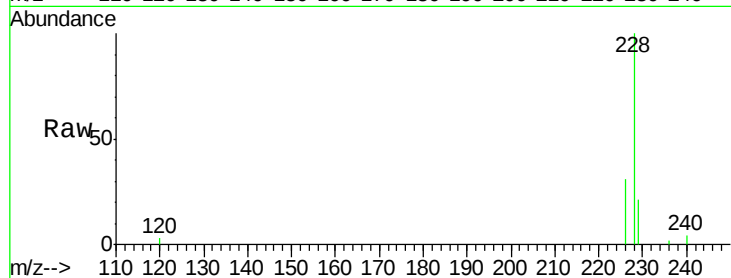
Tgt Ion:228 Resp: 26351

Ion Ratio Lower Upper

228 100

226 31.3 25.7 38.5

229 21.2 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.23 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

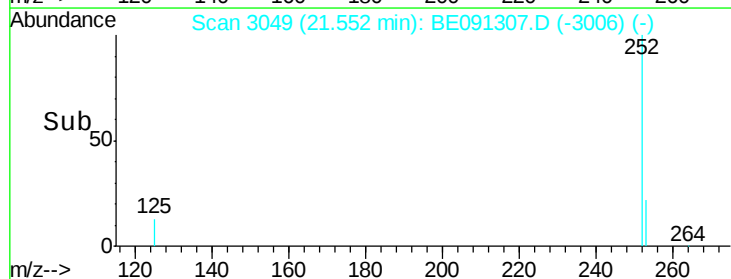
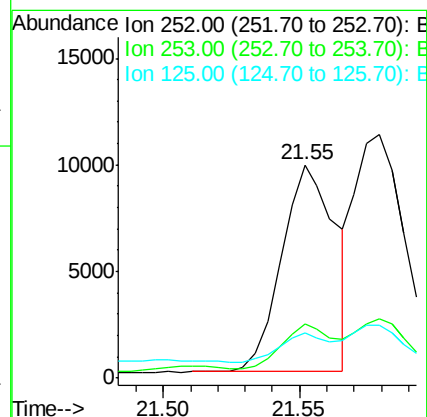
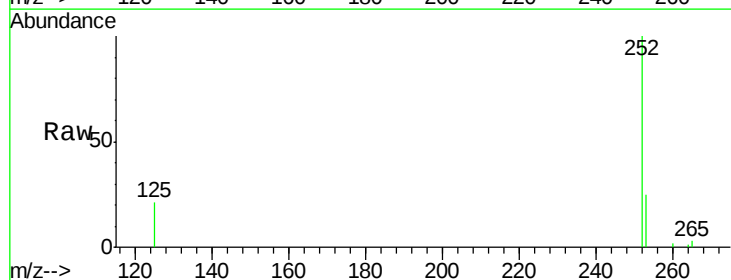
Tgt Ion:252 Resp: 13255

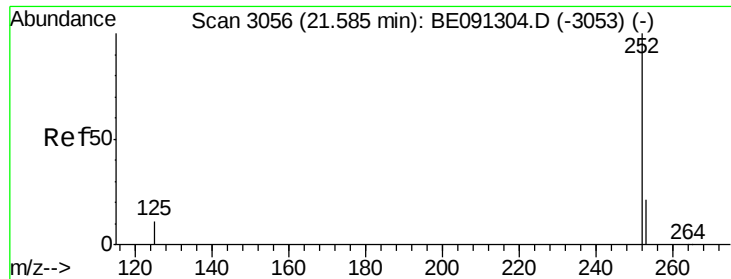
Ion Ratio Lower Upper

252 100

253 25.1 0.0 48.0

125 20.9 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.26 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

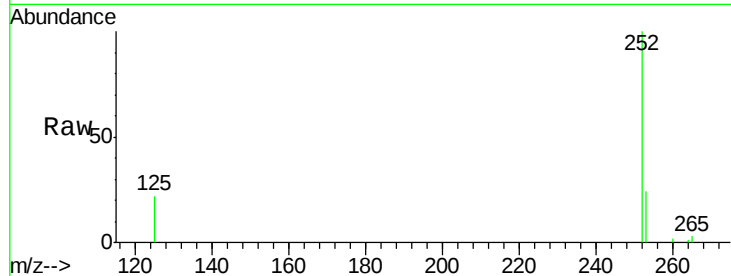
Tgt Ion:252 Resp: 15503

Ion Ratio Lower Upper

252 100

253 24.5 20.8 31.2

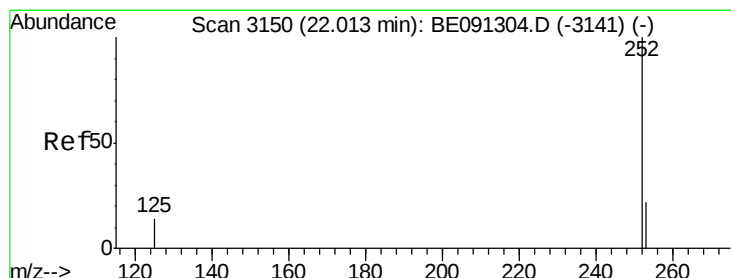
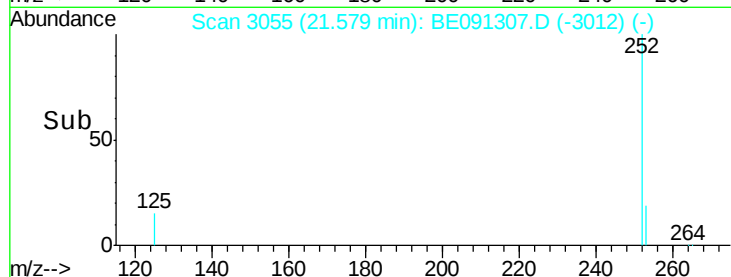
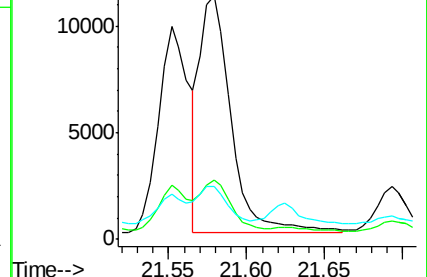
125 21.5 12.2 18.4#



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: 0.37 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

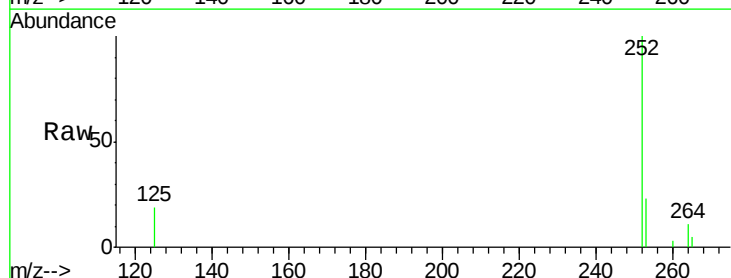
Tgt Ion:252 Resp: 19390

Ion Ratio Lower Upper

252 100

253 23.3 21.8 32.8

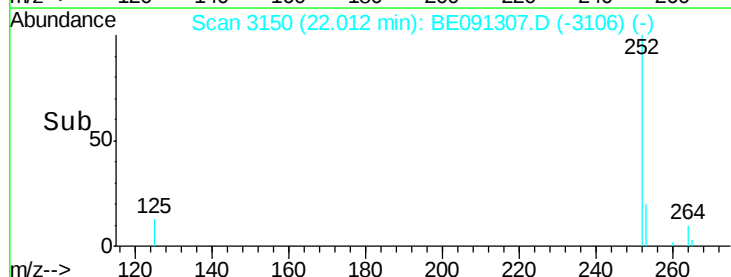
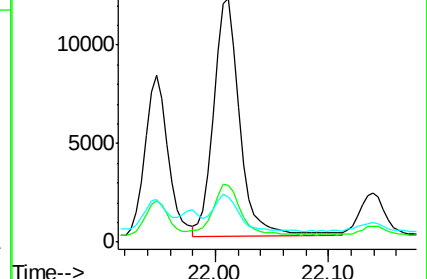
125 18.5 14.5 21.7

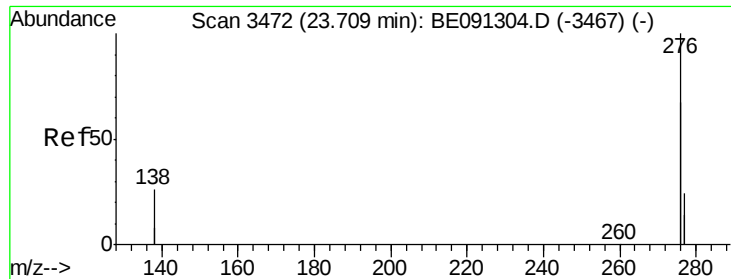


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.15 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

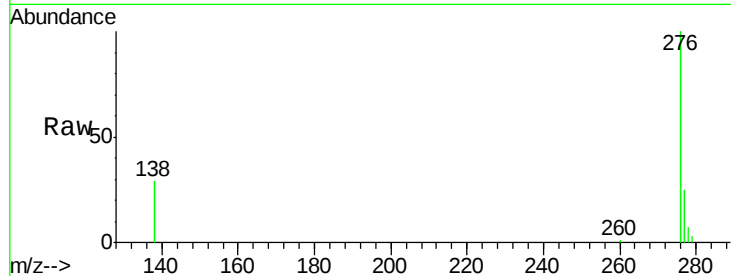
Tgt Ion:276 Resp: 33545

Ion Ratio Lower Upper

276 100

138 25.2 27.5 41.3#

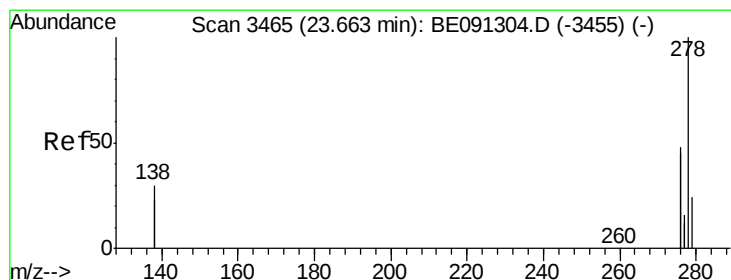
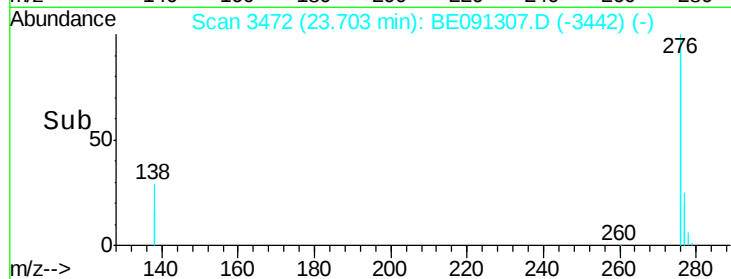
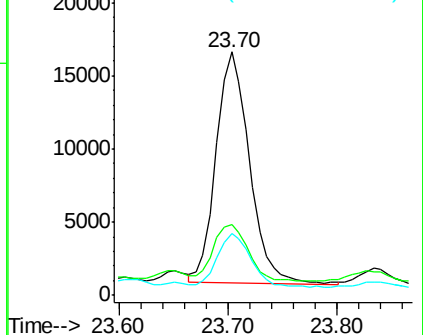
277 22.8 19.3 28.9



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: 0.06 ng/ul

RT: 23.65 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

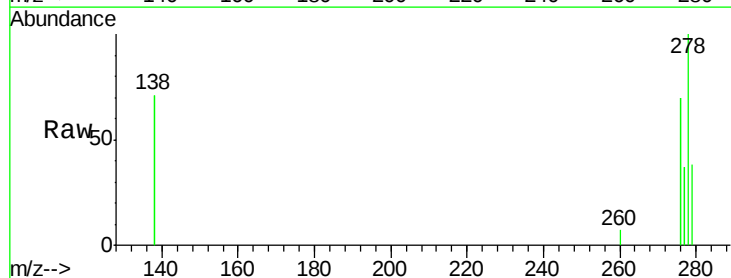
Tgt Ion:278 Resp: 2964

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

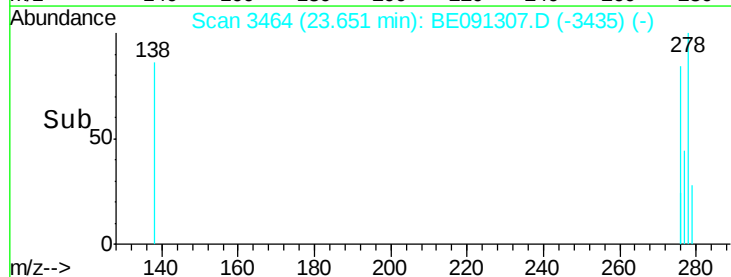
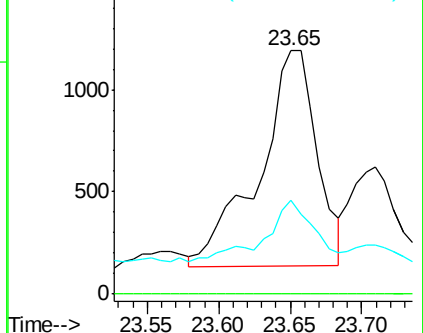
279 38.4 21.9 32.9#

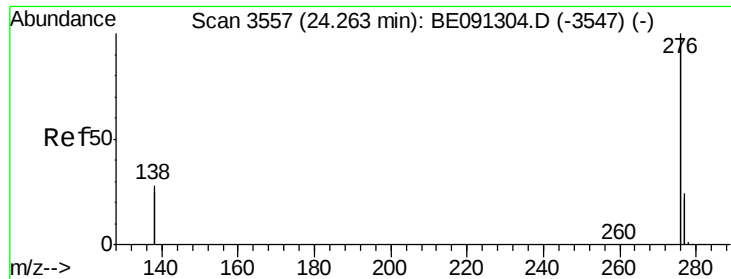


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.16 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091307.D

Acq: 23 Nov 2015 19:37

Instrument :

BNA_E

ClientSampleId :

A4HT1RXDL

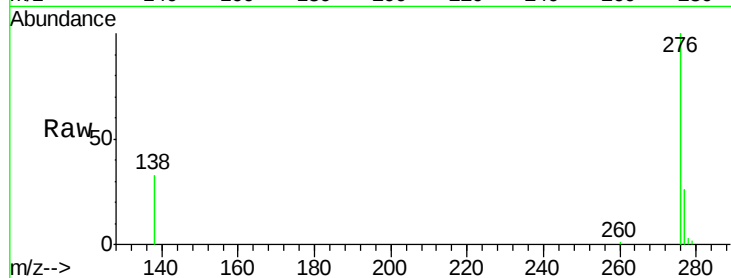
Tgt Ion: 276 Resp: 38227

Ion Ratio Lower Upper

276 100

277 25.6 21.3 31.9

138 33.0 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

