

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091140.D
 Acq On : 12 Nov 2015 12:05
 Operator : UM/NP
 Sample : G4322-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS4

Quant Time: Nov 13 15:23:05 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 : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3653	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	20535	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	12280	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	772827	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	40510	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	44905	0.40	ng/ul	0.00

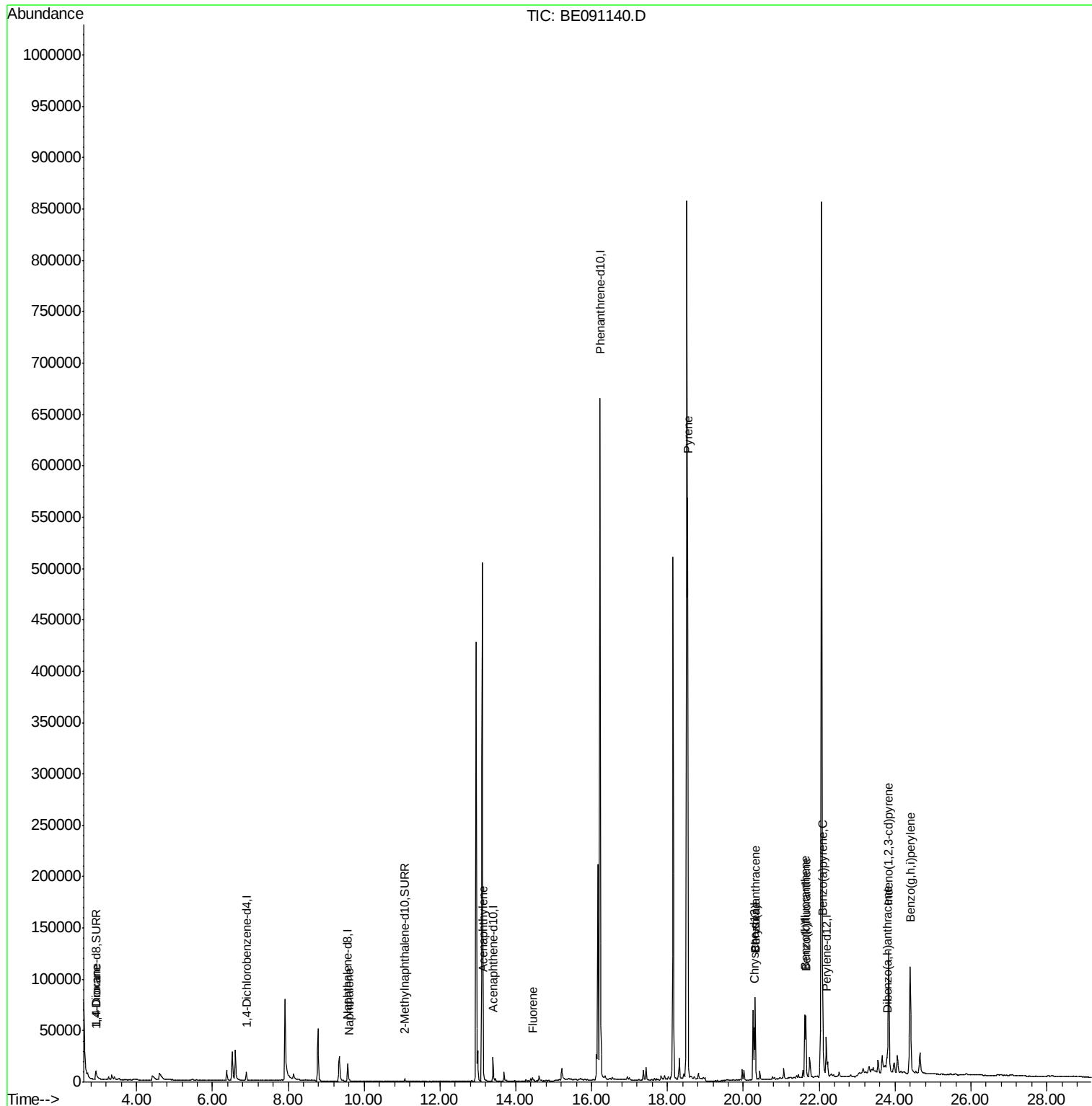
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	9431	3.59	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	3588	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	10306	0.00	ng/ul	0.00

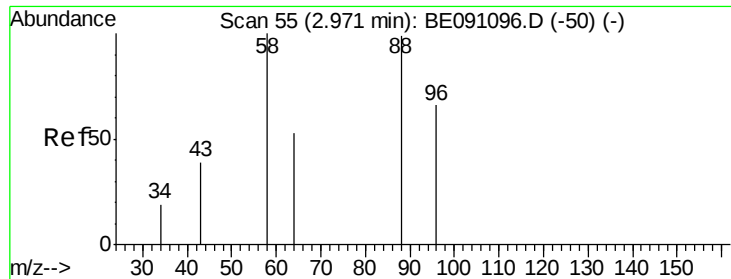
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.95	88	148	0.05	ng/ul#	24
5) Naphthalene	9.61	128	1966	0.04	ng/ul#	85
9) Acenaphthylene	13.14	152	9183	0.15	ng/ul	98
11) Fluorene	14.45	166	2272	0.04	ng/ul#	92
19) Pyrene	18.53	202	528780	1.15	ng/ul#	80
20) Benzo(a)anthracene	20.32	228	72175	0.69	ng/ul	95
21) Chrysene	20.32	228	72569	0.61	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	56780	0.41	ng/ul	97
24) Benzo(k)fluoranthene	21.65	252	59760	0.42	ng/ul	95
25) Benzo(a)pyrene	22.09	252	60854	0.47	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.83	276	172579	0.32	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.79	278	10296	0.08	ng/ul#	65
28) Benzo(g,h,i)perylene	24.40	276	163888	0.29	ng/ul	97

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

```
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Operator  : UM/NP  
Sample    : G4322-13  
Misc      :  
ALS Vial  : 25      Sample Multiplier: 1
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Quant Time: Nov 13 15:23:05 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 : Fri Nov 13 13:56:00 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 2.95 min Scan# 51

Delta R.T. -0.02 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

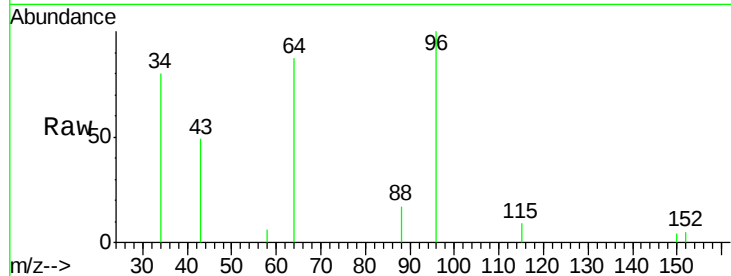
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

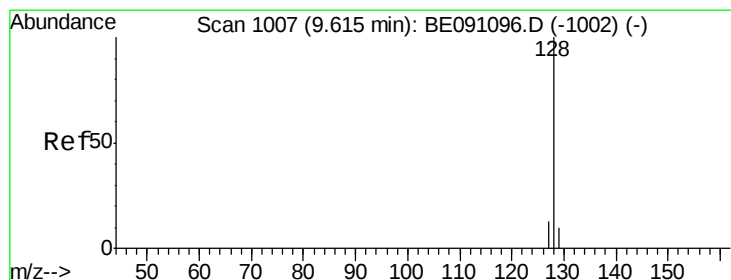
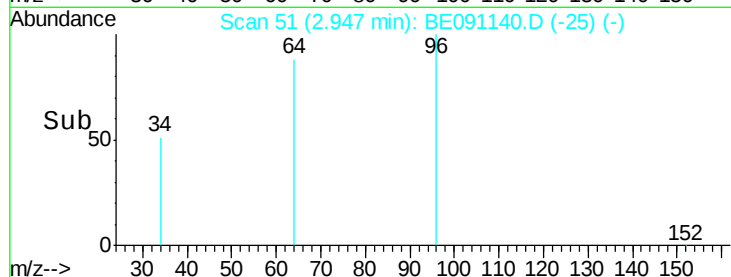
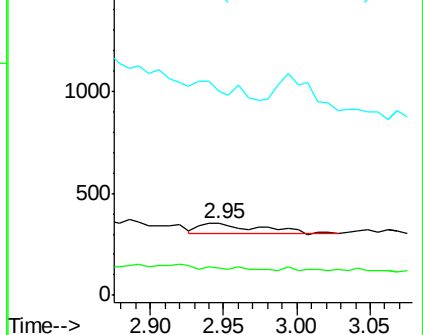
43 0.0 24.2 36.2#



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



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 9.61 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

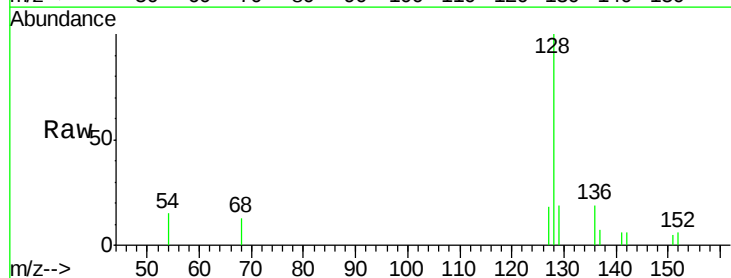
Tgt Ion: 128 Resp: 1966

Ion Ratio Lower Upper

128 100

129 19.4 9.8 14.8#

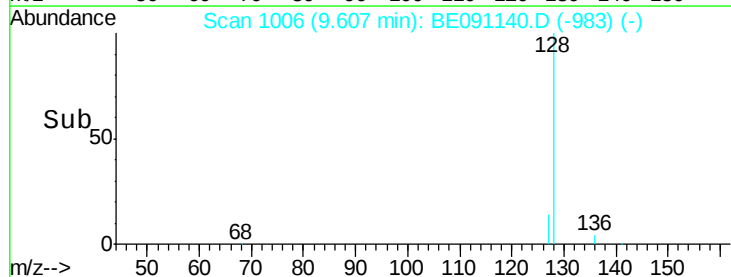
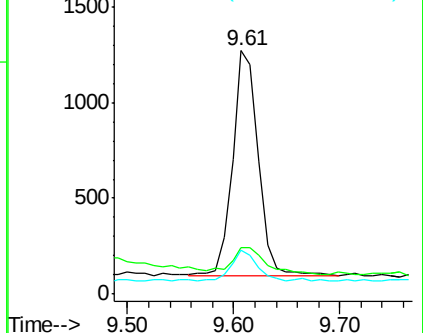
127 18.2 10.7 16.1#

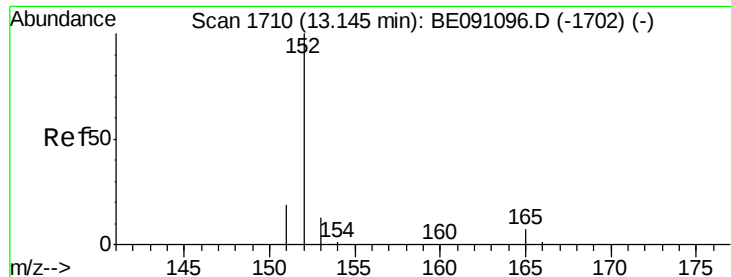


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

Acenaphthylene

Concen: 0.15 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

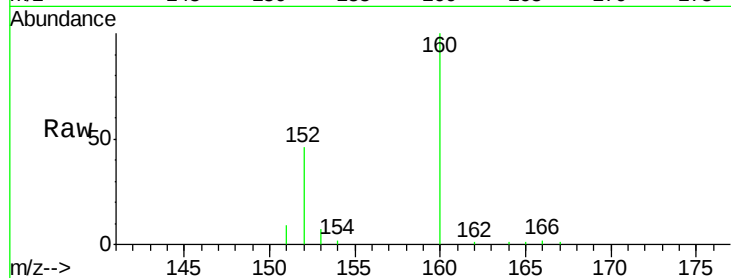
Tgt Ion:152 Resp: 9183

Ion Ratio Lower Upper

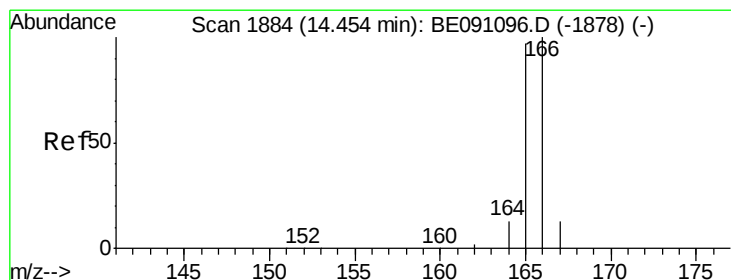
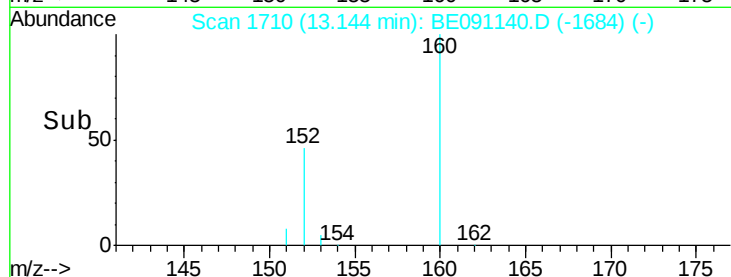
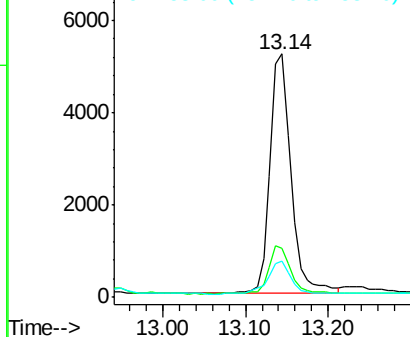
152 100

151 20.2 16.8 25.2

153 14.7 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



#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

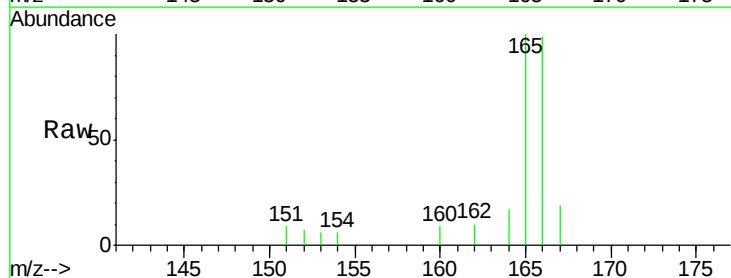
Tgt Ion:166 Resp: 2272

Ion Ratio Lower Upper

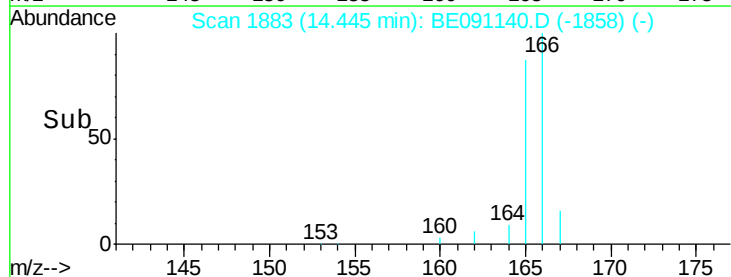
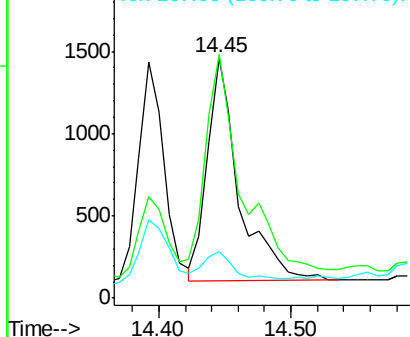
166 100

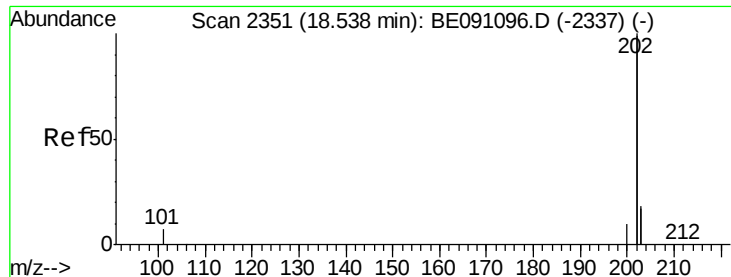
165 101.4 87.6 131.4

167 19.3 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Pyrene

Concen: 1.15 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

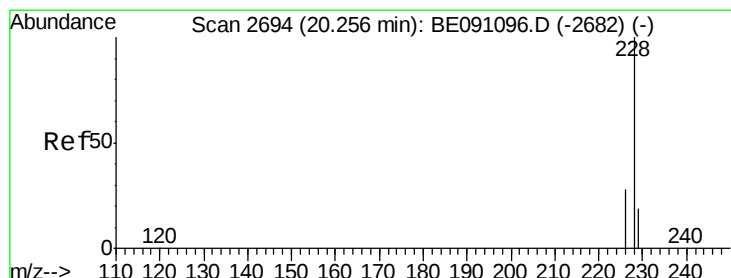
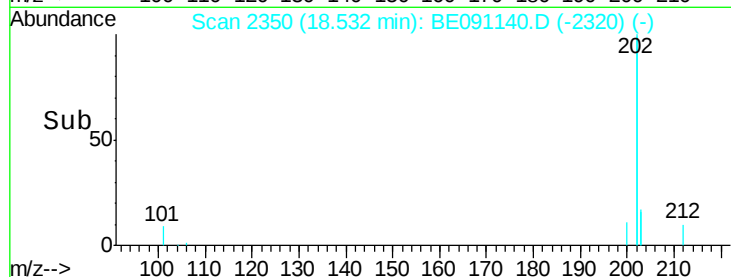
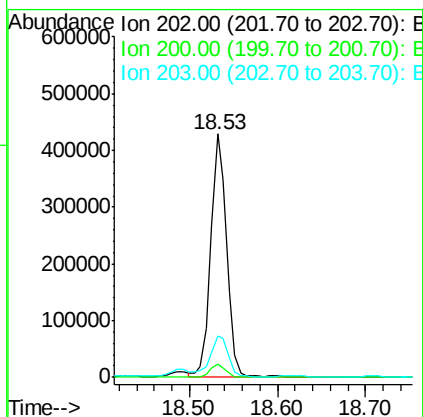
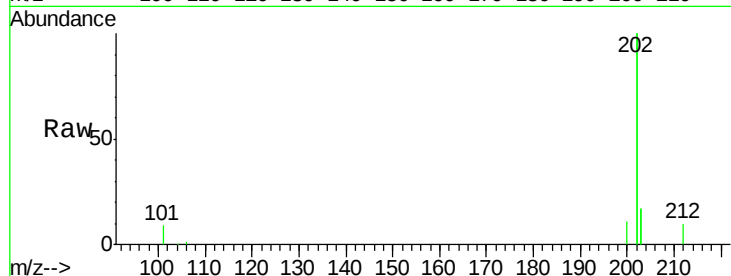
Tgt Ion:202 Resp: 528780

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 17.2 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.69 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.06 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

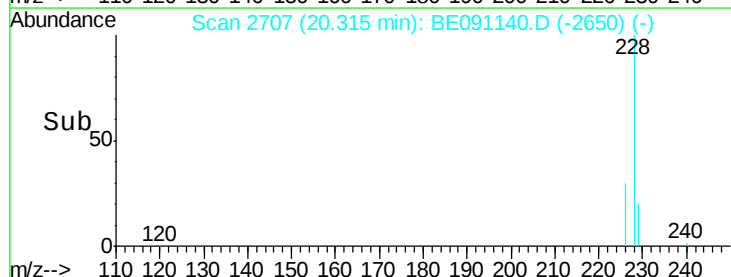
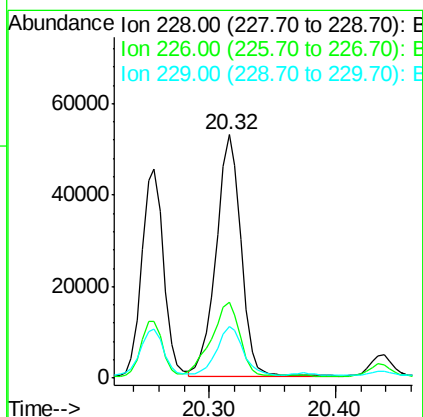
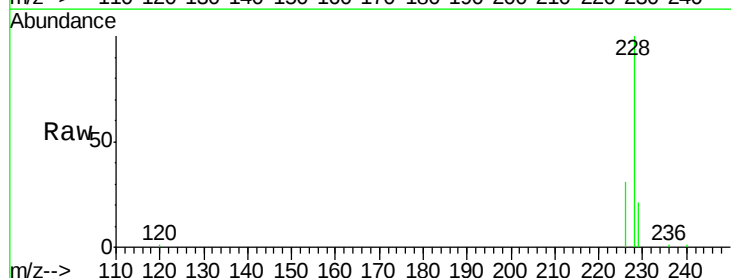
Tgt Ion:228 Resp: 72175

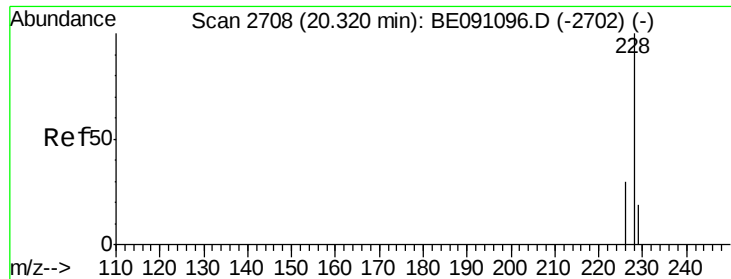
Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

229 21.1 15.2 22.8





#21

Chrysene

Concen: 0.61 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

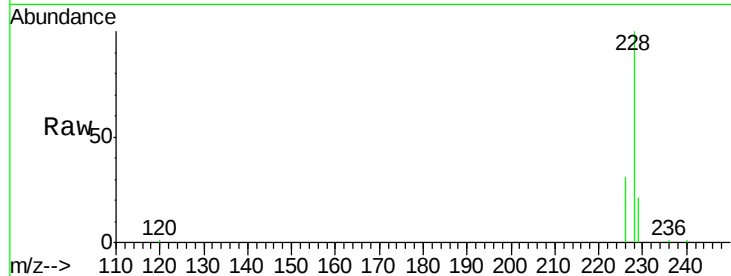
Tgt Ion:228 Resp: 72569

Ion Ratio Lower Upper

228 100

226 31.1 25.7 38.5

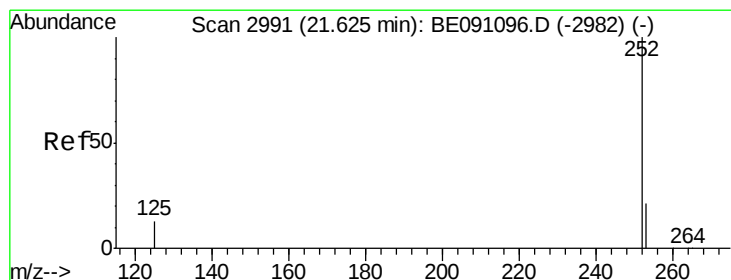
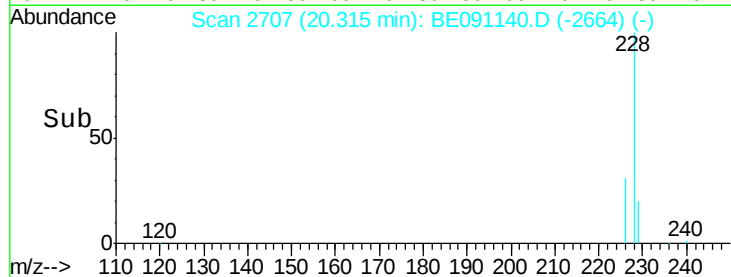
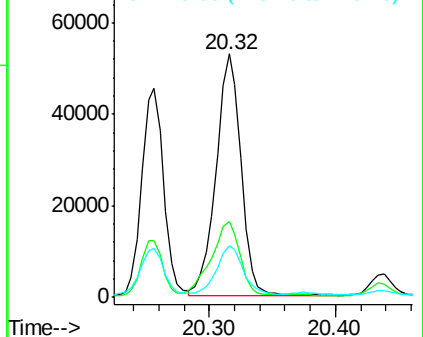
229 21.1 15.2 22.8



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: 0.41 ng/ul

RT: 21.62 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

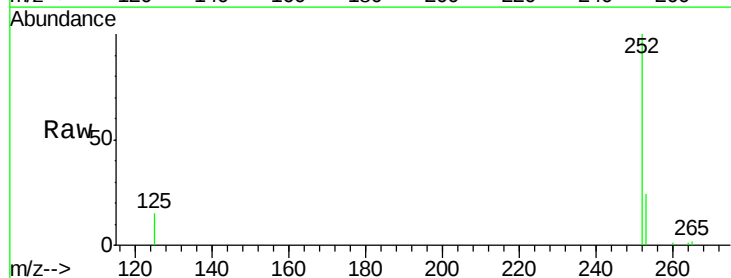
Tgt Ion:252 Resp: 56780

Ion Ratio Lower Upper

252 100

253 24.1 0.0 48.0

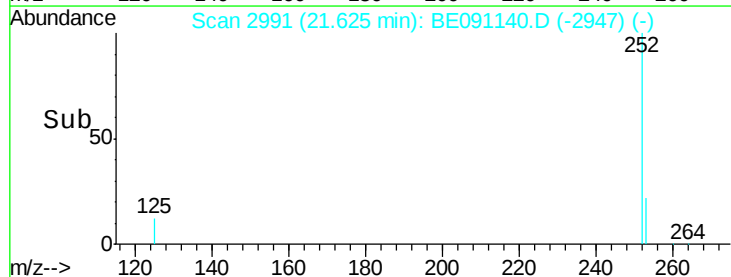
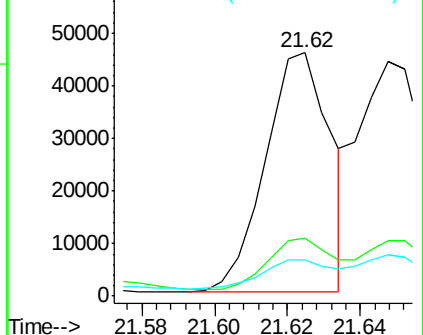
125 14.9 0.0 36.6

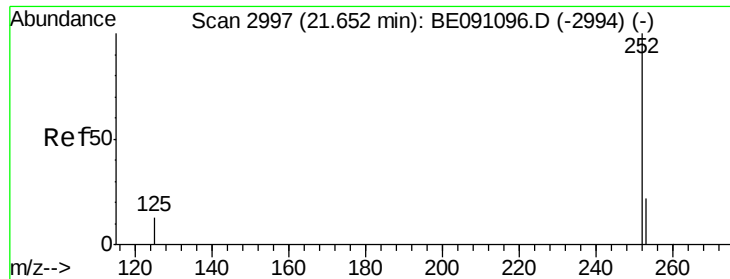


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

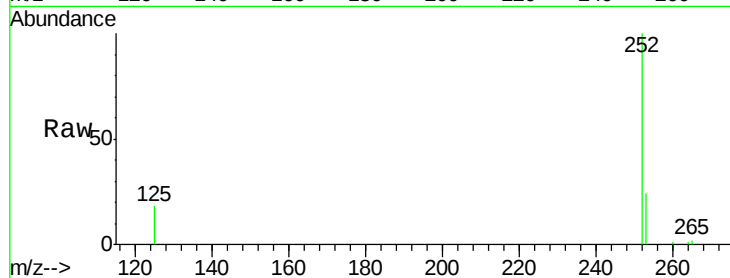
Tgt Ion:252 Resp: 59760

Ion Ratio Lower Upper

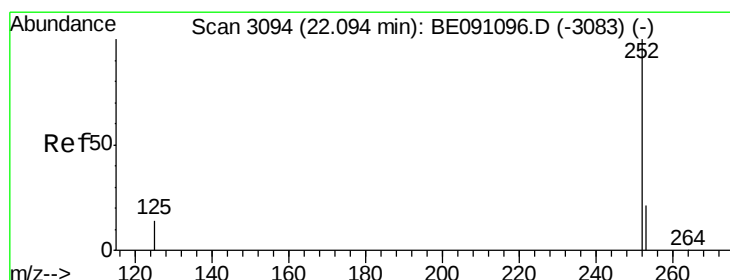
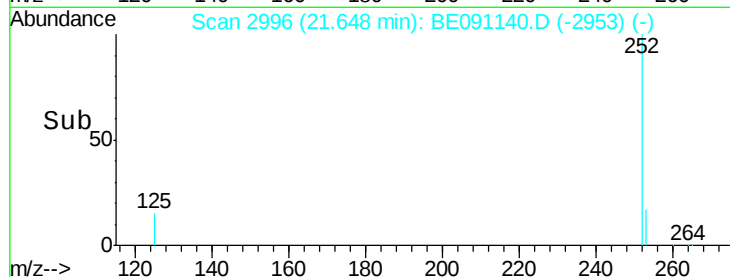
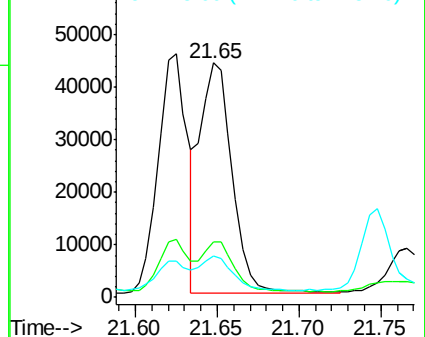
252 100

253 23.5 20.8 31.2

125 17.5 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: 0.47 ng/ul

RT: 22.09 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

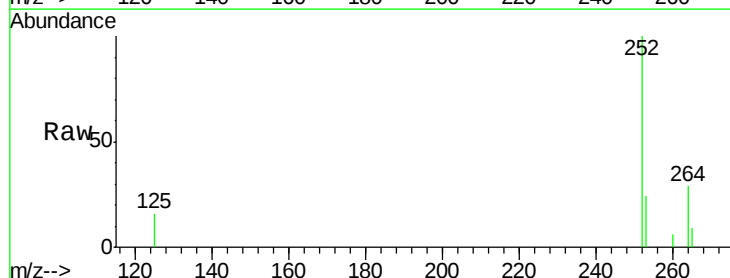
Tgt Ion:252 Resp: 60854

Ion Ratio Lower Upper

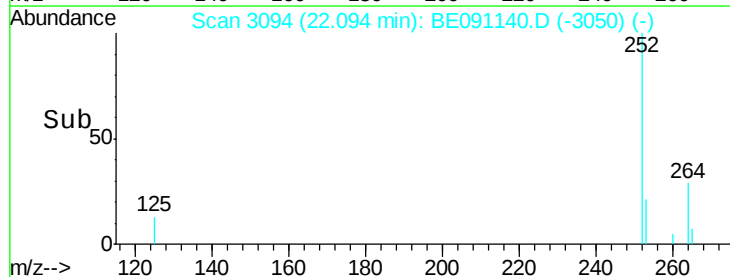
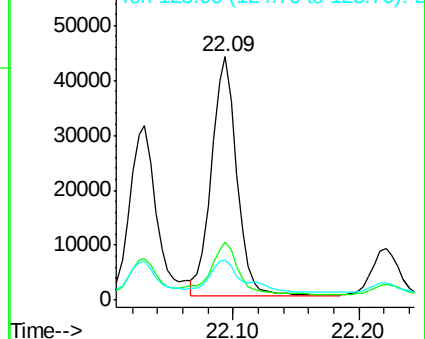
252 100

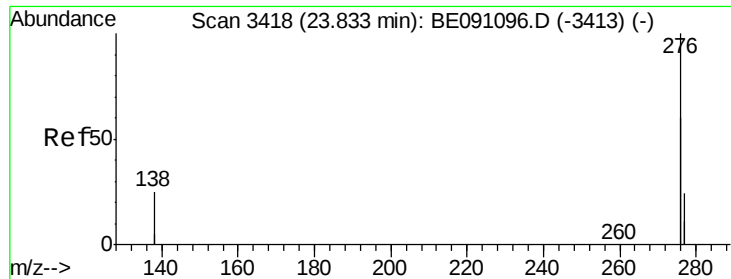
253 23.7 21.8 32.8

125 16.3 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: 23.83 min Scan# 3418

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

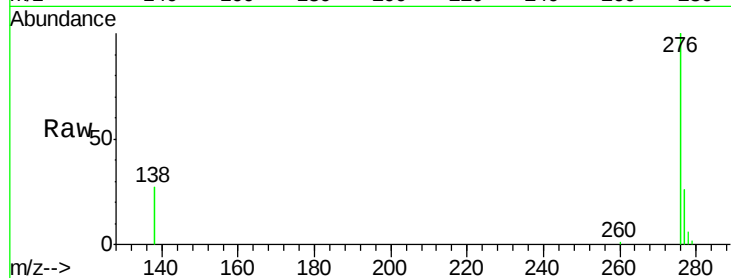
Tgt Ion:276 Resp: 172579

Ion Ratio Lower Upper

276 100

138 23.4 27.5 41.3#

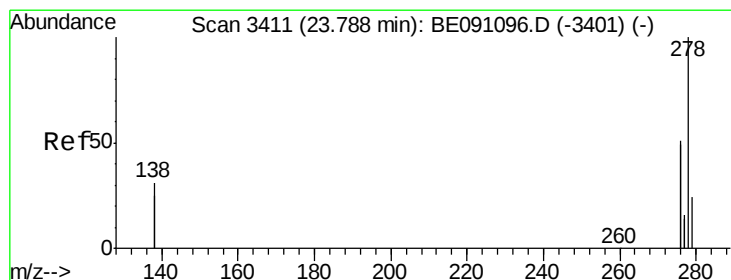
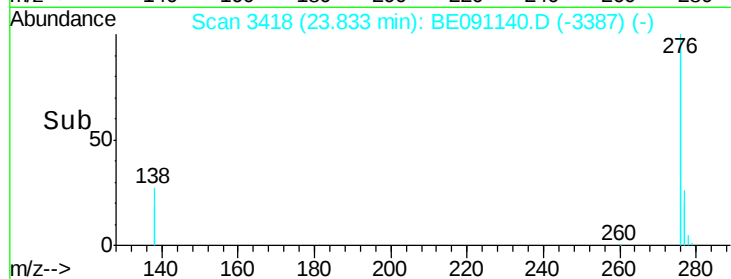
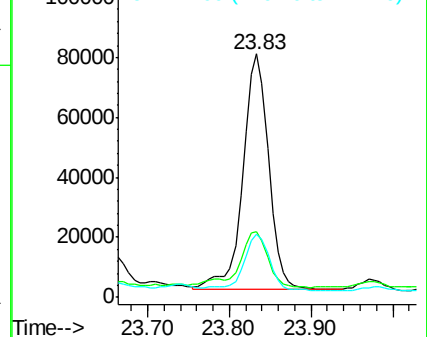
277 23.9 19.3 28.9



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: 0.08 ng/ul

RT: 23.79 min Scan# 3411

Delta R.T. -0.00 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

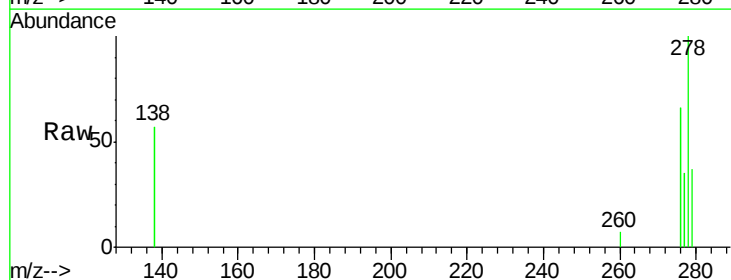
Tgt Ion:278 Resp: 10296

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

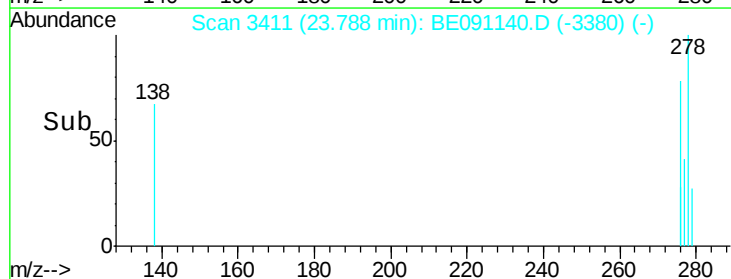
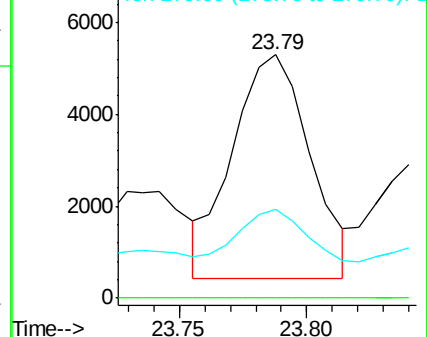
279 36.6 21.9 32.9#

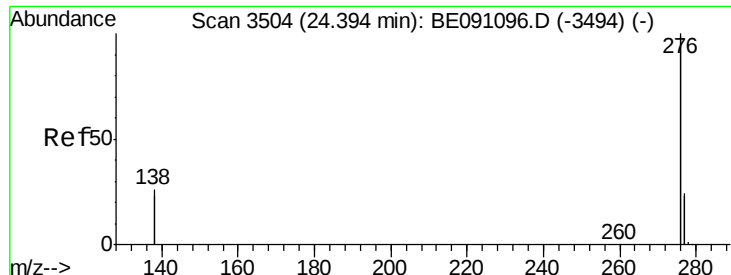


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.29 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BE091140.D

Acq: 12 Nov 2015 12:05

Instrument :

BNA_E

ClientSampleId :

A4HS4

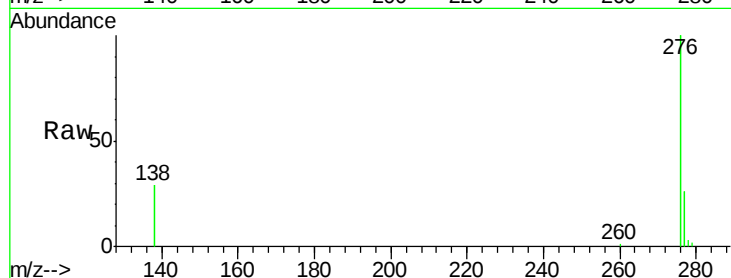
Tgt Ion: 276 Resp: 163888

Ion Ratio Lower Upper

276 100

277 26.2 21.3 31.9

138 28.9 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

