

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091137.D
 Acq On : 12 Nov 2015 10:15
 Operator : UM/NP
 Sample : G4322-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS1

Quant Time: Nov 13 15:22:38 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

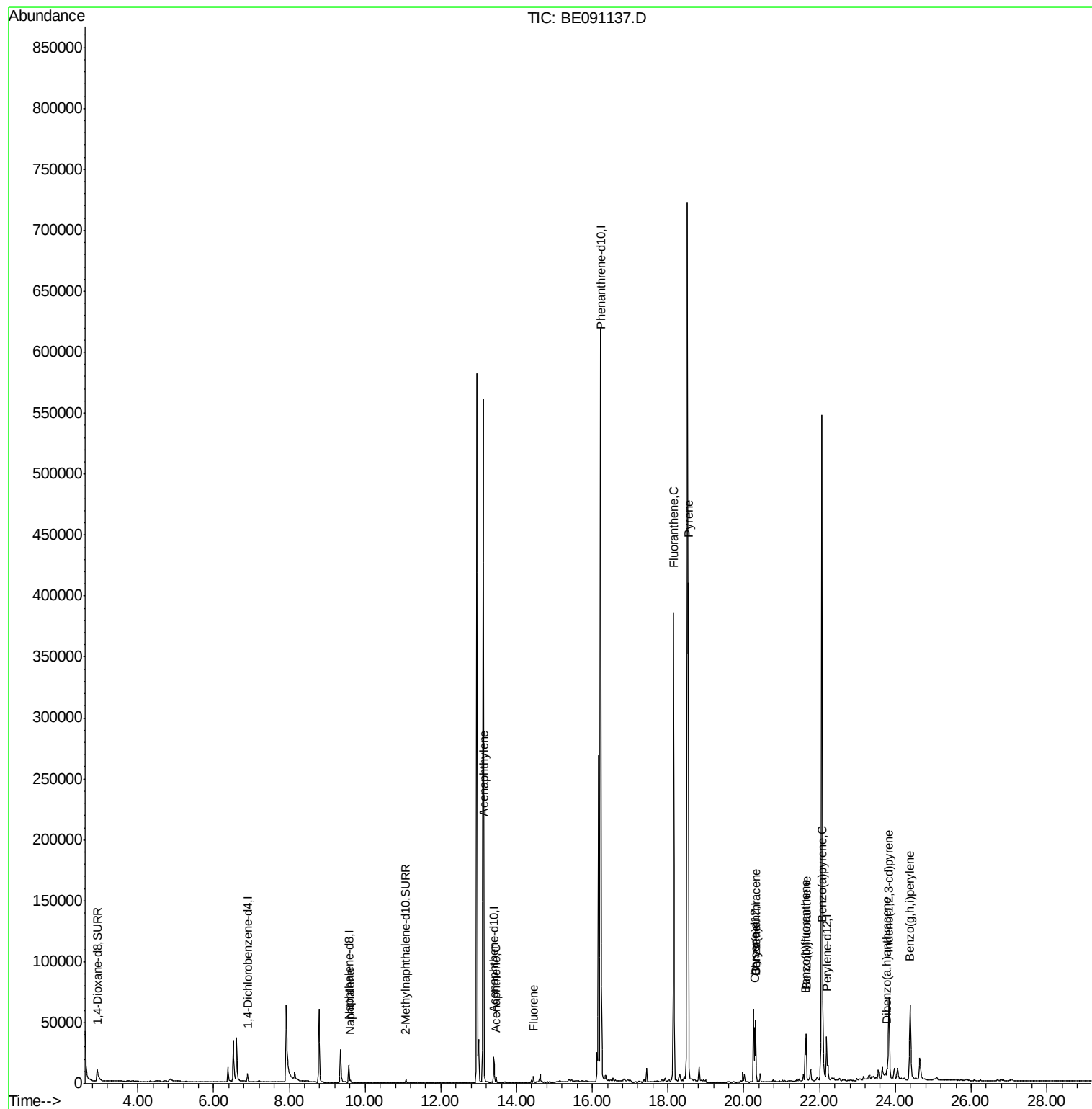
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3279	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18593	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11053	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	764219	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	37209	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	40607	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	11810	5.01	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3680	0.15	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	7738	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.62	128	2932	0.06	ng/ul#	93
9) Acenaphthylene	13.14	152	3394	0.06	ng/ul	95
10) Acenaphthene	13.46	153	2260	0.06	ng/ul	91
11) Fluorene	14.45	166	3406	0.07	ng/ul#	92
17) Fluoranthene	18.15	202	402661	0.04	ng/ul	90
19) Pyrene	18.53	202	397322	0.94	ng/ul#	79
20) Benzo(a)anthracene	20.32	228	44926	0.47	ng/ul	95
21) Chrysene	20.32	228	45350	0.41	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	34827	0.27	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	36045	0.28	ng/ul	96
25) Benzo(a)pyrene	22.09	252	44906	0.38	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	99384	0.20	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.78	278	6299	0.05	ng/ul#	68
28) Benzo(g,h,i)perylene	24.39	276	100420	0.19	ng/ul	98

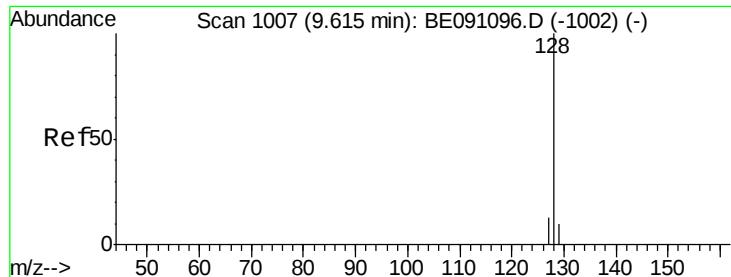
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 13 13:56:00 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

ClientSampleId :

A4HS1

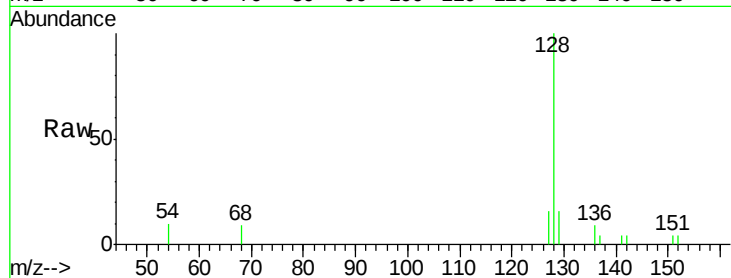
Tgt Ion:128 Resp: 2932

Ion Ratio Lower Upper

128 100

129 15.9 9.8 14.8#

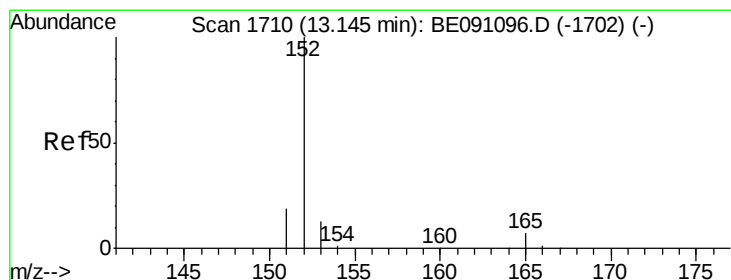
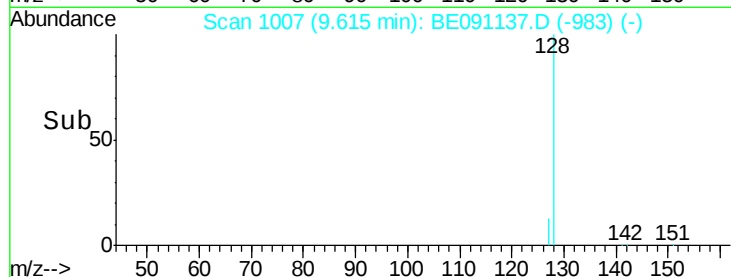
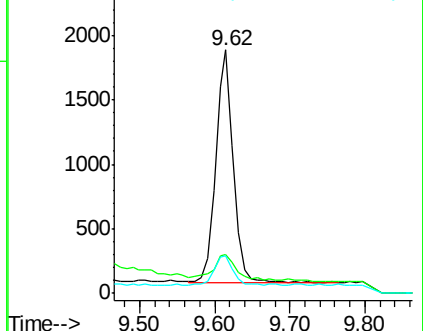
127 15.5 10.7 16.1



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: 0.06 ng/ul

RT: 13.14 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

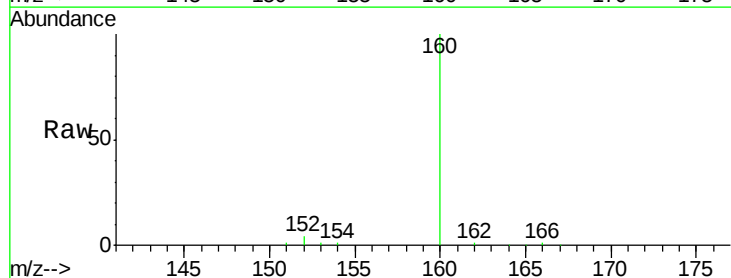
Tgt Ion:152 Resp: 3394

Ion Ratio Lower Upper

152 100

151 23.2 16.8 25.2

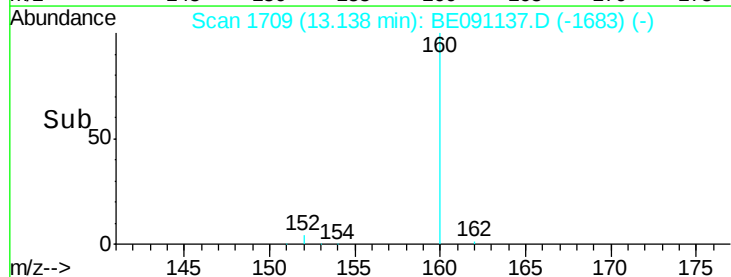
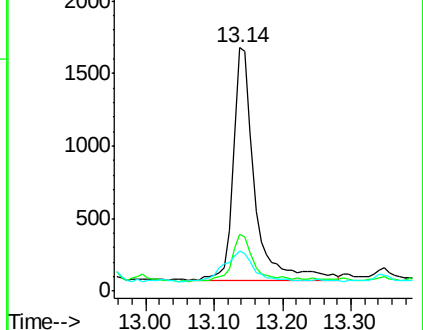
153 16.6 11.3 16.9

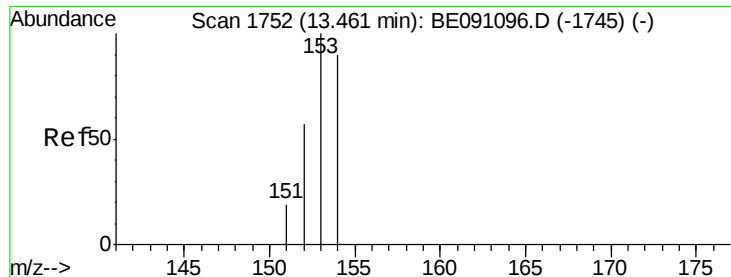


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

ClientSampleId :

A4HS1

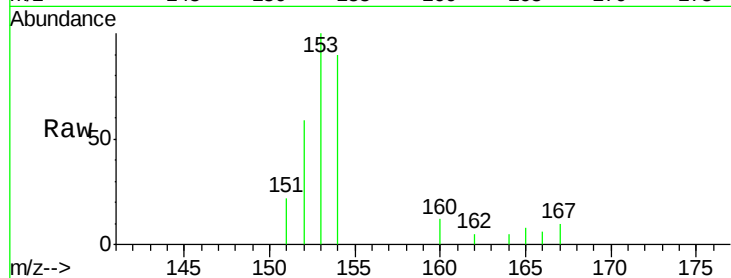
Tgt Ion:153 Resp: 2260

Ion Ratio Lower Upper

153 100

152 58.8 42.3 63.5

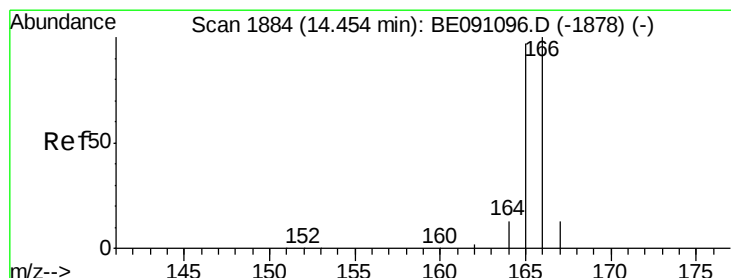
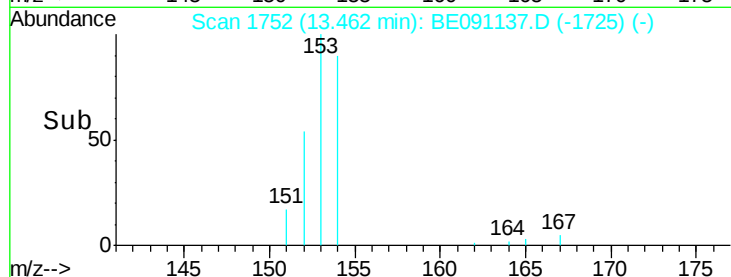
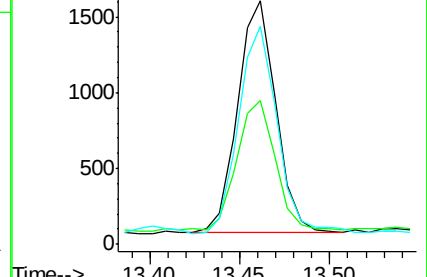
154 89.8 64.7 97.1



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: 0.07 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

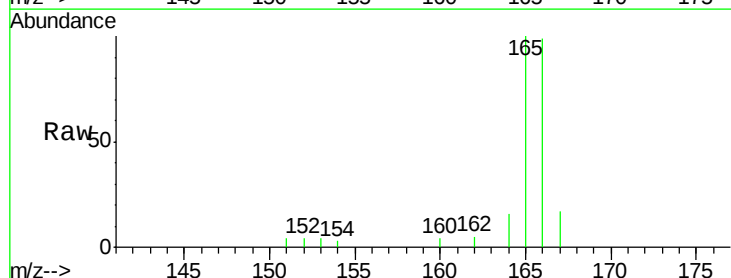
Tgt Ion:166 Resp: 3406

Ion Ratio Lower Upper

166 100

165 101.1 87.6 131.4

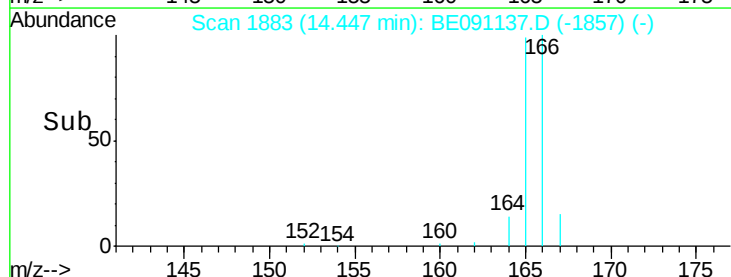
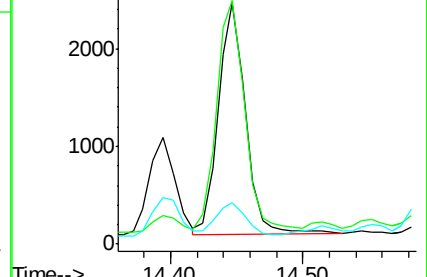
167 17.3 11.1 16.7#

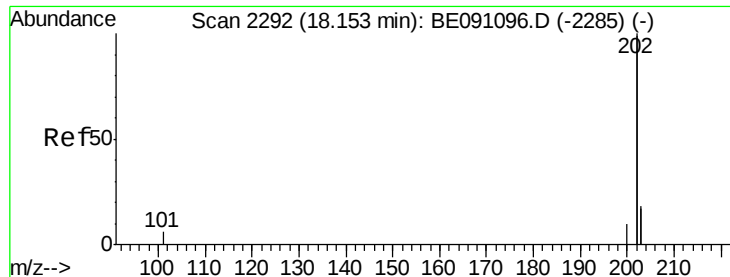


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

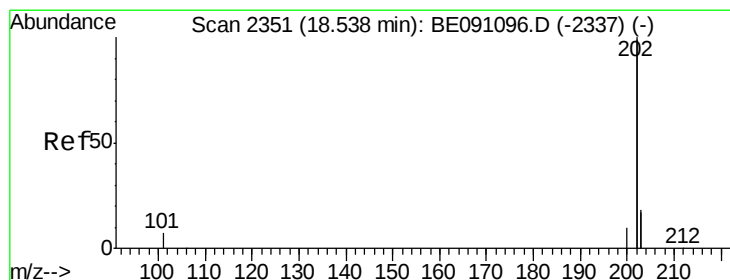
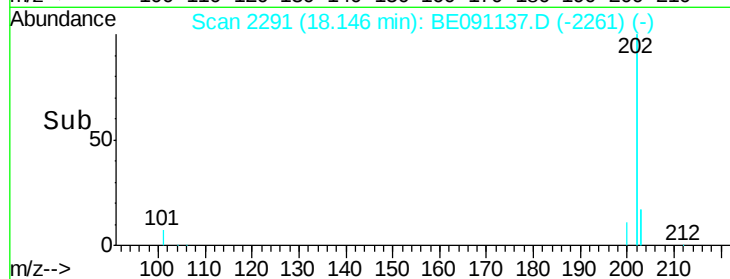
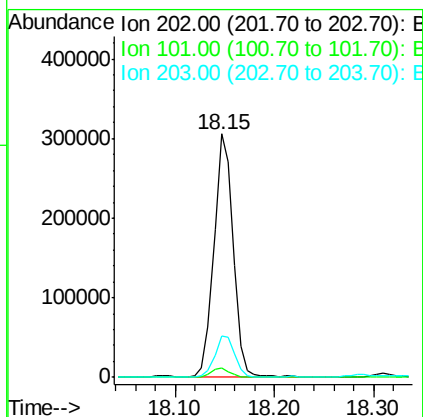
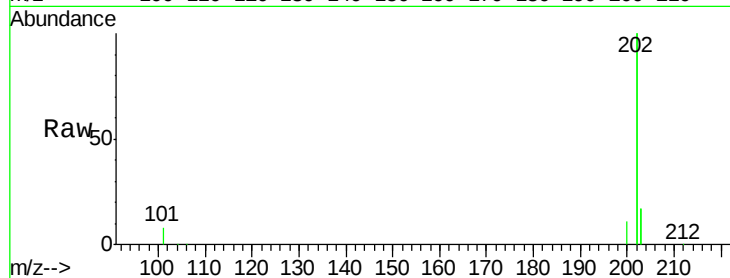




#17
Fluoranthene
 Concen: 0.04 ng/ul
 RT: 18.15 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BE091137.D
 Acq: 12 Nov 2015 10:15

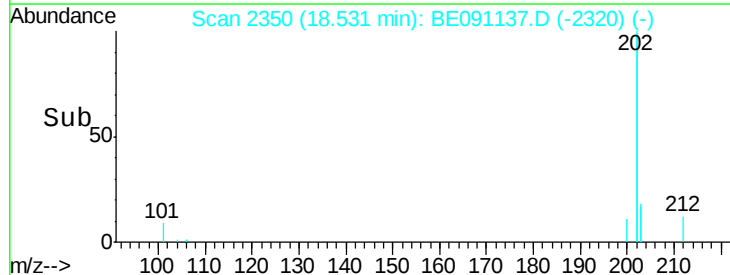
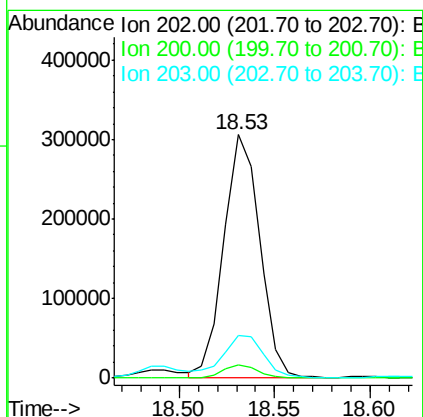
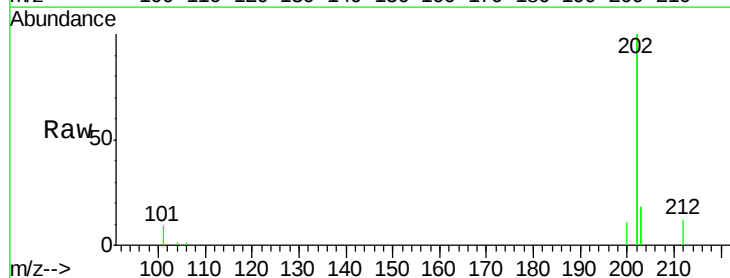
Instrument :
 BNA_E
 ClientSampleId :
 A4HS1

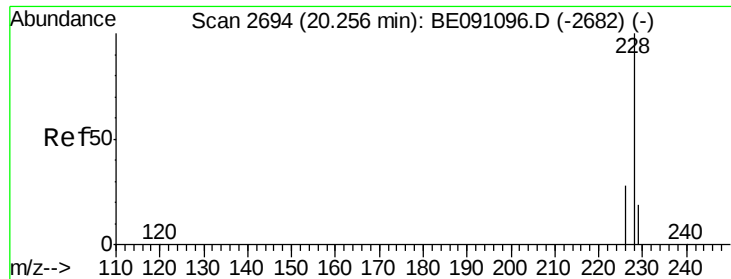
Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.8	0.0	33.1
203	17.0	0.0	37.2



#19
Pyrene
 Concen: 0.94 ng/ul
 RT: 18.53 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BE091137.D
 Acq: 12 Nov 2015 10:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	18.0	27.0#
203	17.7	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.47 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.06 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

ClientSampleId :

A4HS1

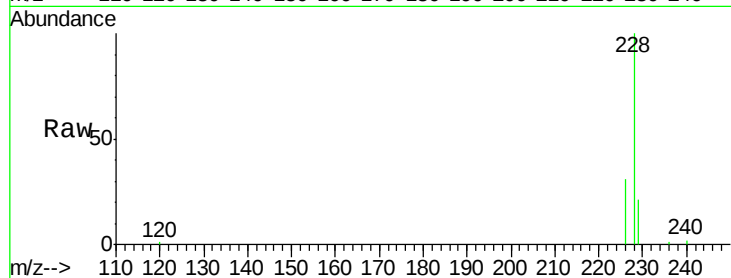
Tgt Ion:228 Resp: 44926

Ion Ratio Lower Upper

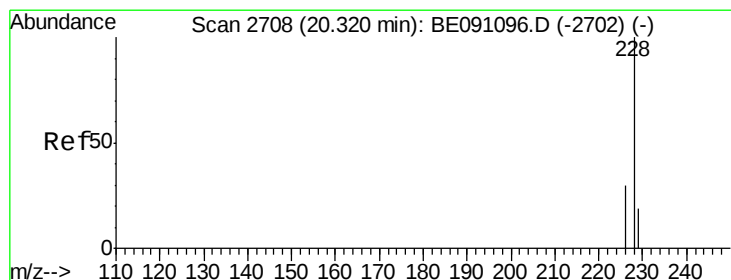
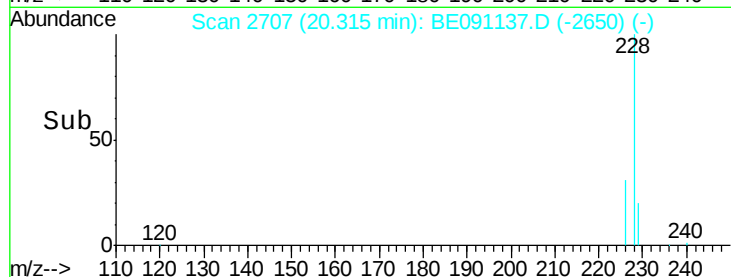
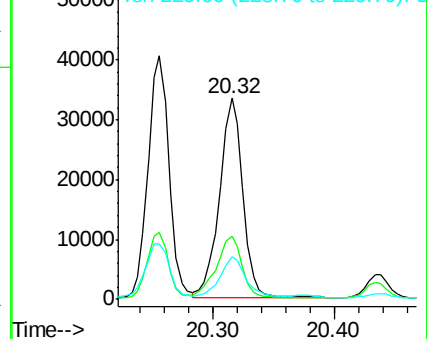
228 100

226 31.3 23.0 34.4

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



#21

Chrysene

Concen: 0.41 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

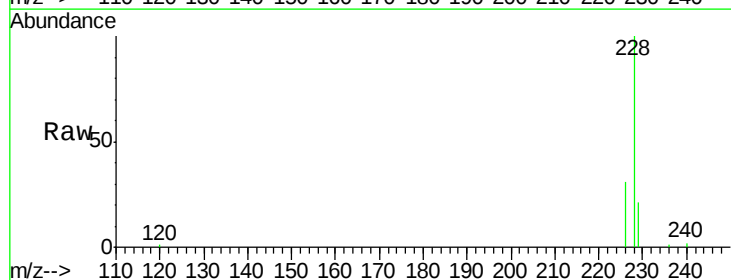
Tgt Ion:228 Resp: 45350

Ion Ratio Lower Upper

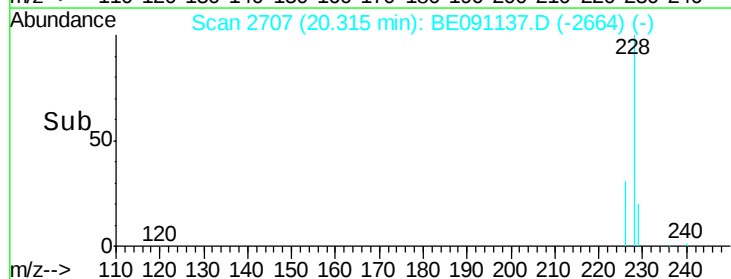
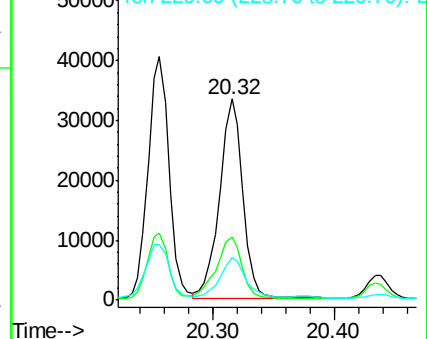
228 100

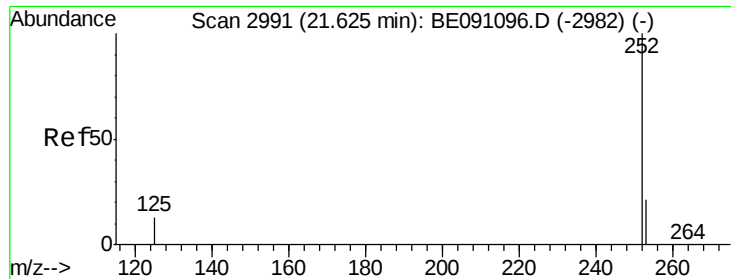
226 31.3 25.7 38.5

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: 0.27 ng/u1

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

ClientSampleId :

A4HS1

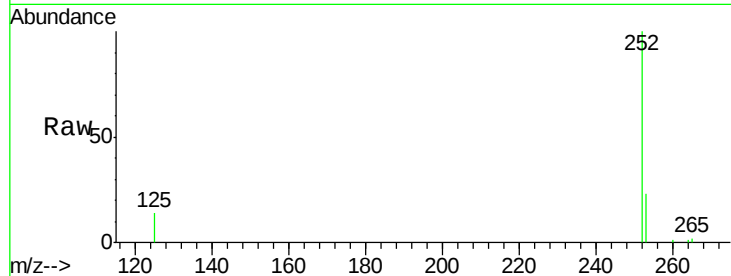
Tgt Ion:252 Resp: 34827

Ion Ratio Lower Upper

252 100

253 23.5 0.0 48.0

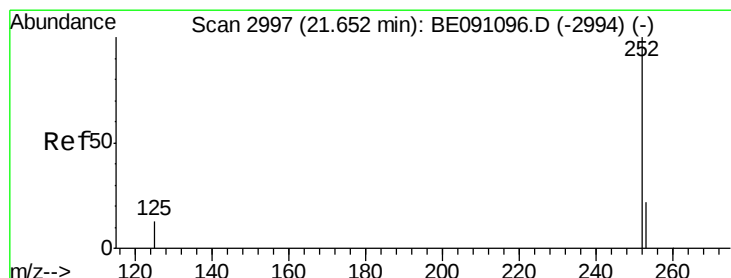
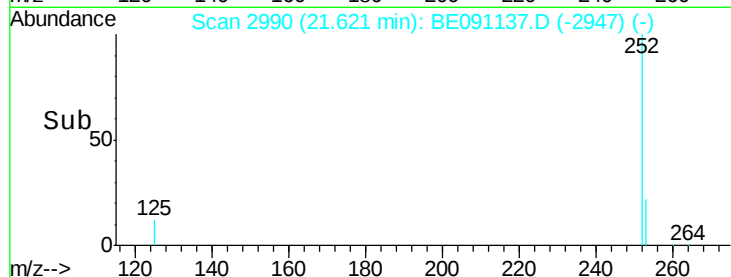
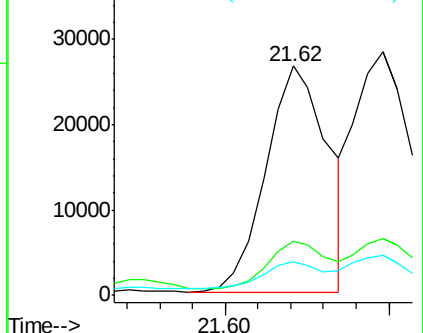
125 14.5 0.0 36.6



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: 0.28 ng/u1

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

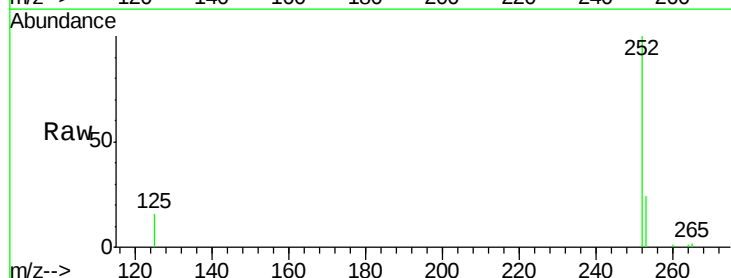
Tgt Ion:252 Resp: 36045

Ion Ratio Lower Upper

252 100

253 23.6 20.8 31.2

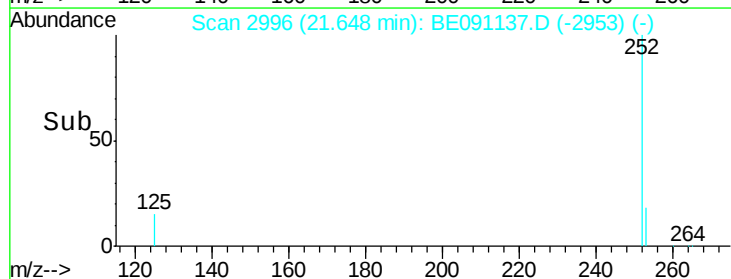
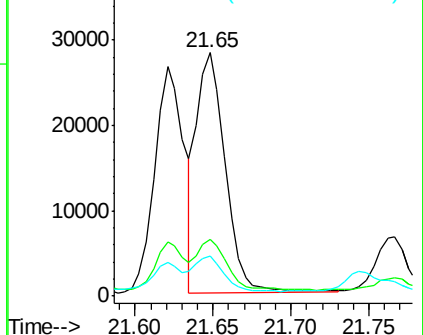
125 16.4 12.2 18.4

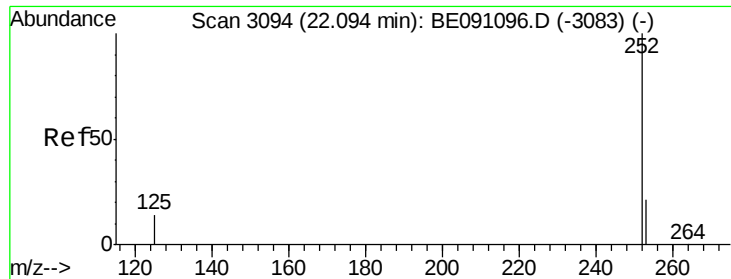


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

Instrument :

BNA_E

ClientSampleId :

A4HS1

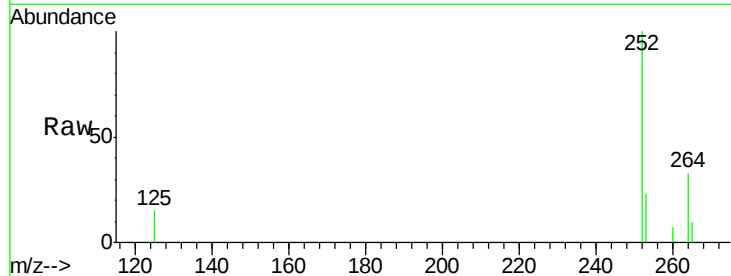
Tgt Ion:252 Resp: 44906

Ion Ratio Lower Upper

252 100

253 23.3 21.8 32.8

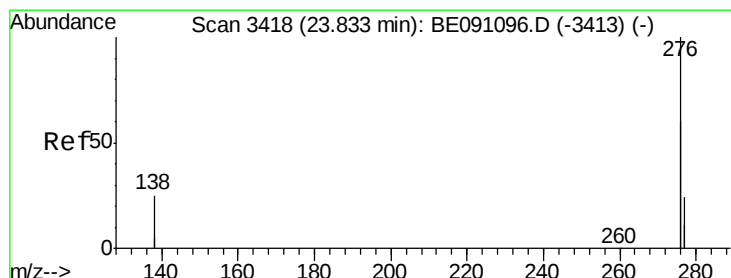
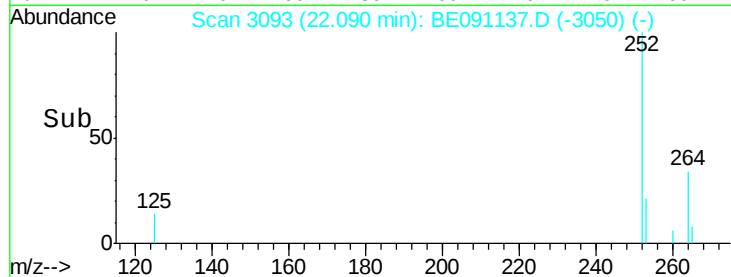
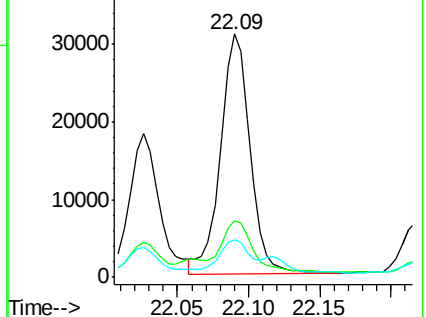
125 15.4 14.5 21.7



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: 0.20 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.01 min

Lab File: BE091137.D

Acq: 12 Nov 2015 10:15

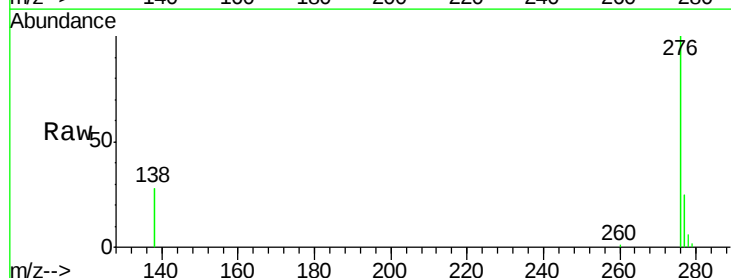
Tgt Ion:276 Resp: 99384

Ion Ratio Lower Upper

276 100

138 22.7 27.5 41.3#

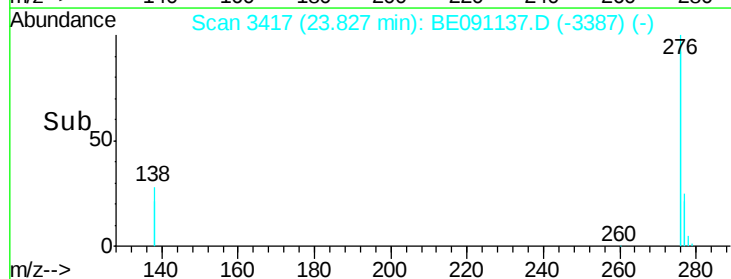
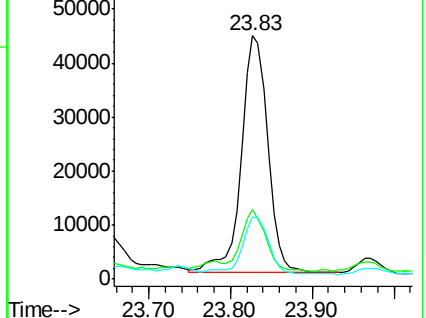
277 24.6 19.3 28.9

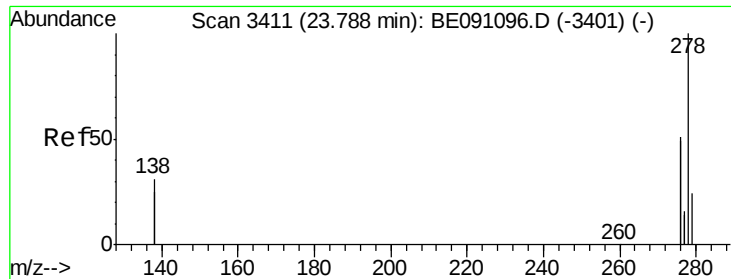


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

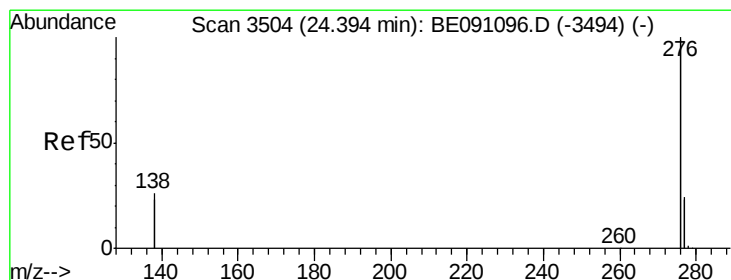
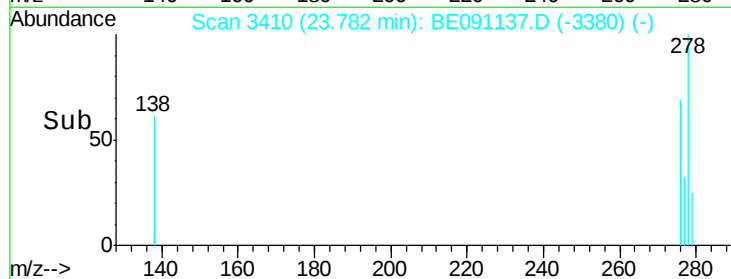
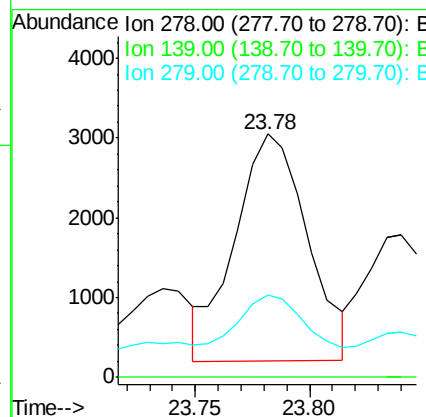
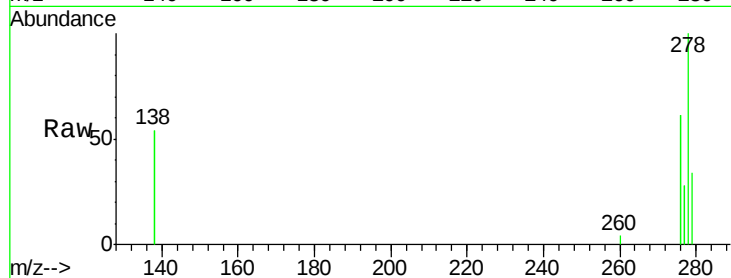




#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 23.78 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Instrument :
BNA_E
ClientSampleId :
A4HS1

Tgt Ion: 278 Resp: 6299
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 33.7 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.19 ng/ul
RT: 24.39 min Scan# 3504
Delta R.T. 0.00 min
Lab File: BE091137.D
Acq: 12 Nov 2015 10:15

Tgt Ion: 276 Resp: 100420
Ion Ratio Lower Upper
276 100
277 26.1 21.3 31.9
138 30.0 25.5 38.3

