

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091299.D
 Acq On : 23 Nov 2015 14:44
 Operator : UM/NP
 Sample : G4322-09RX
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS0

Quant Time: Nov 24 00:39:35 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 00:31:29 2015
 Response via : Initial Calibration

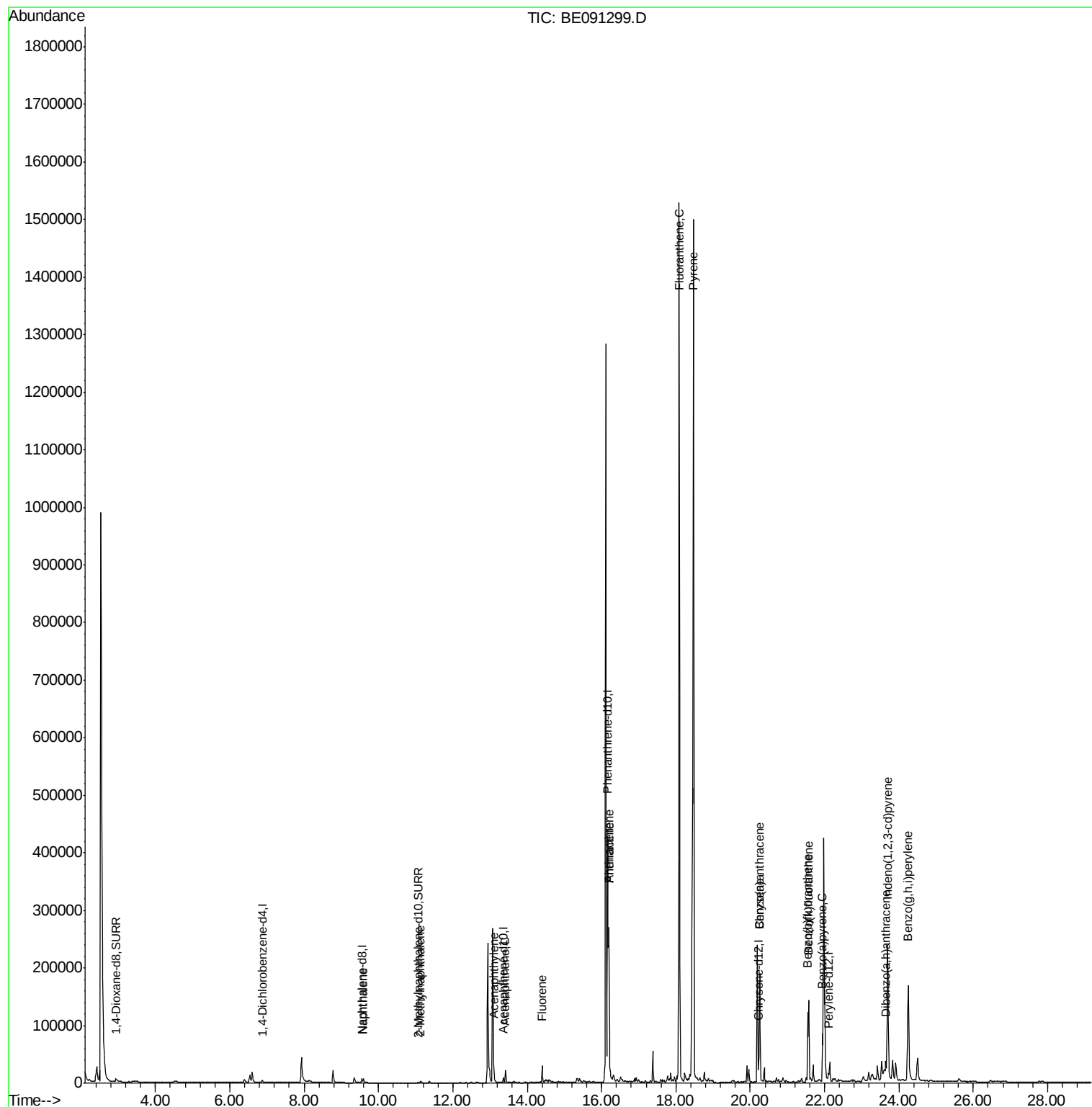
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	1714	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	8030	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	4333	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	439843	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	14618	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	15841	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.94	96	8490	6.89	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	1861	0.17	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	5535	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.59	128	9380	0.47	ng/ul	99
7) 2-Methylnaphthalene	11.13	142	3629	0.28	ng/ul	98
9) Acenaphthylene	13.11	152	5548	0.26	ng/ul	99
10) Acenaphthene	13.42	153	12025	0.81	ng/ul	91
11) Fluorene	14.40	166	18916	0.99	ng/ul	93
14) Phenanthrene	16.20	178	319828	0.06	ng/ul	93
15) Anthracene	16.20	178	315545	0.07	ng/ul	95
17) Fluoranthene	18.09	202	1657824	0.28	ng/ul	90
19) Pyrene	18.47	202	1508166	9.08	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	172594	4.60	ng/ul	96
21) Chrysene	20.26	228	174059	4.03	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	115704	2.34	ng/ul	94
24) Benzo(k)fluoranthene	21.57	252	137615	2.71	ng/ul	95
25) Benzo(a)pyrene	21.95	252	83480	1.83	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.70	276	307416	1.60	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.64	278	27238	0.60	ng/ul#	73
28) Benzo(g,h,i)perylene	24.25	276	263186	1.31	ng/ul	96

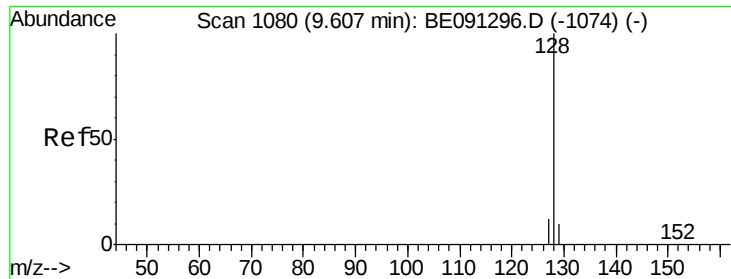
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Naphthalene

Concen: 0.47 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

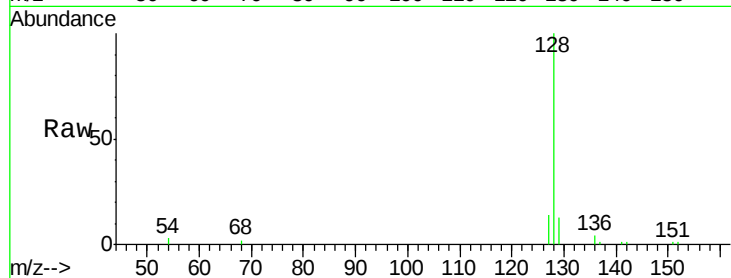
Tgt Ion:128 Resp: 9380

Ion Ratio Lower Upper

128 100

129 12.6 9.8 14.8

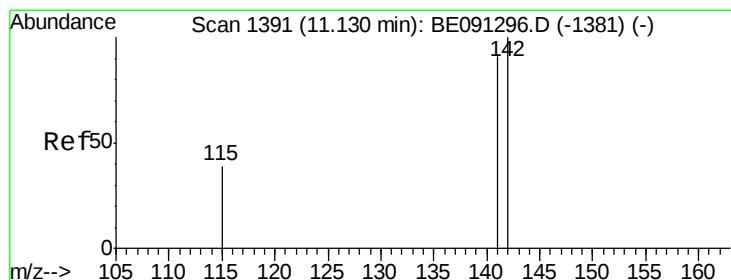
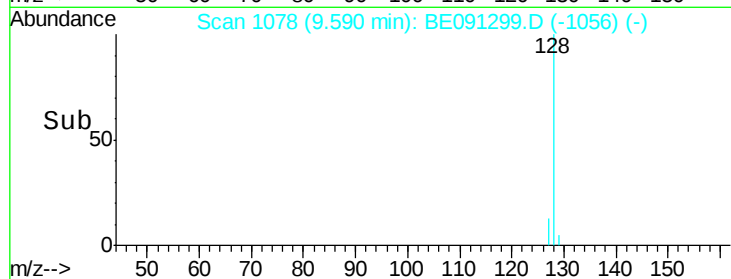
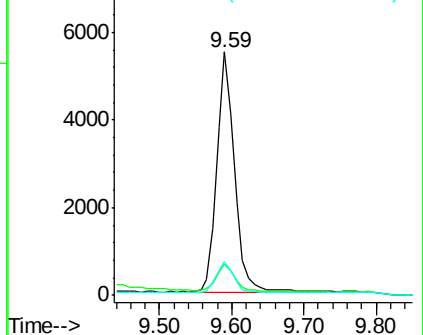
127 13.9 10.7 16.1



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: 0.28 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE091299.D

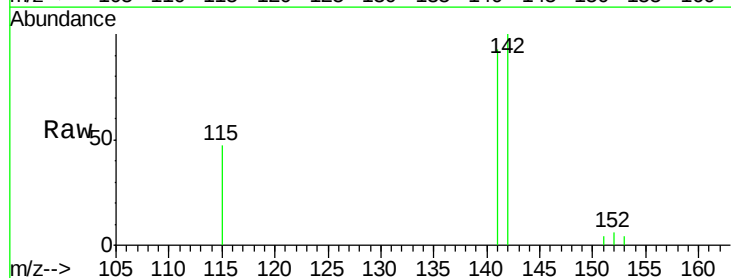
Acq: 23 Nov 2015 14:44

Tgt Ion:142 Resp: 3629

Ion Ratio Lower Upper

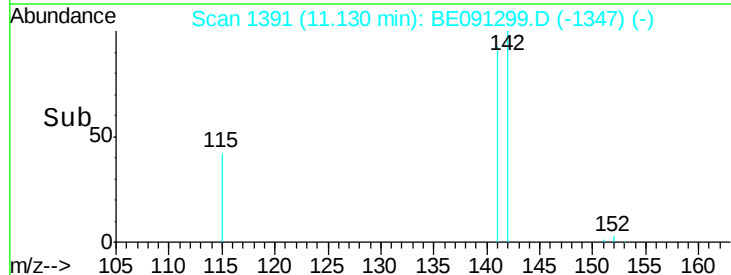
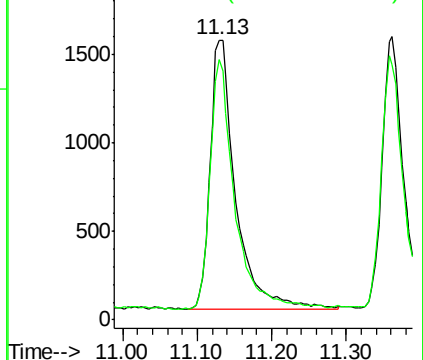
142 100

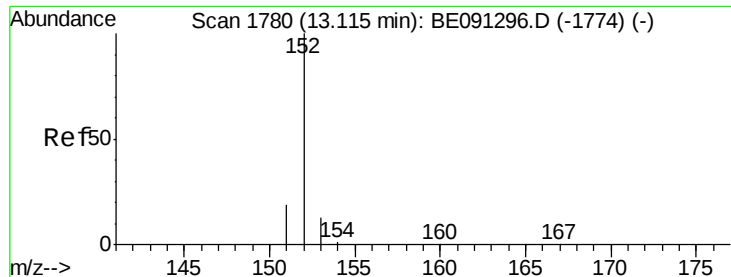
141 89.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.26 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

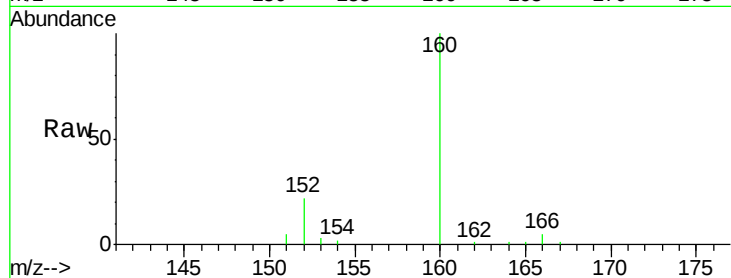
Tgt Ion:152 Resp: 5548

Ion Ratio Lower Upper

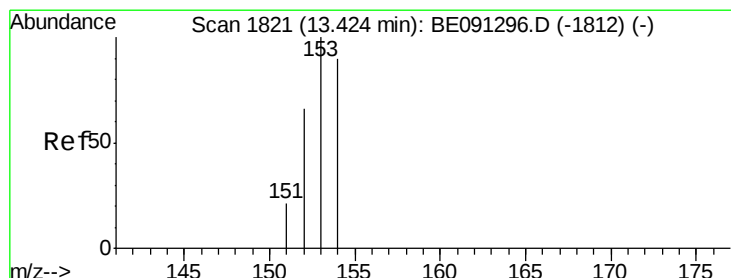
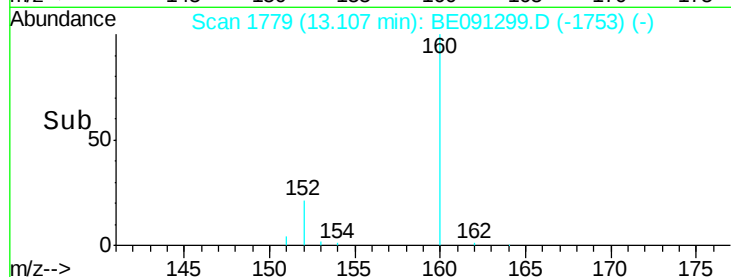
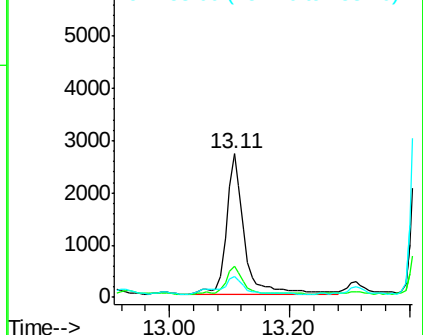
152 100

151 21.5 16.8 25.2

153 14.8 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: 0.81 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

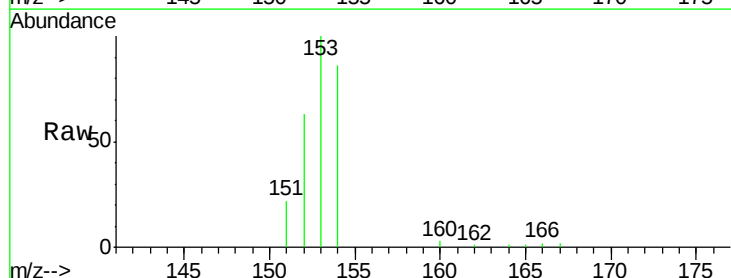
Tgt Ion:153 Resp: 12025

Ion Ratio Lower Upper

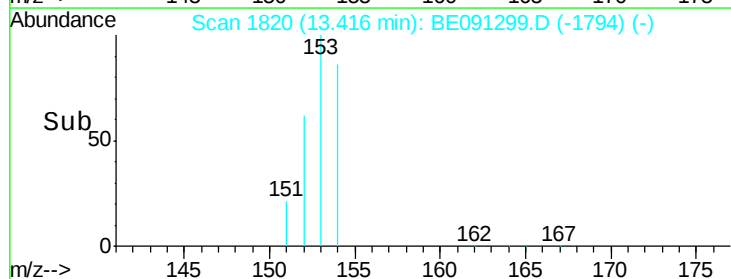
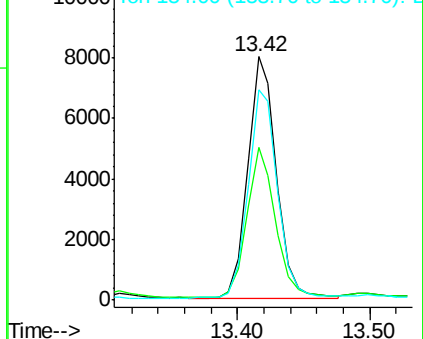
153 100

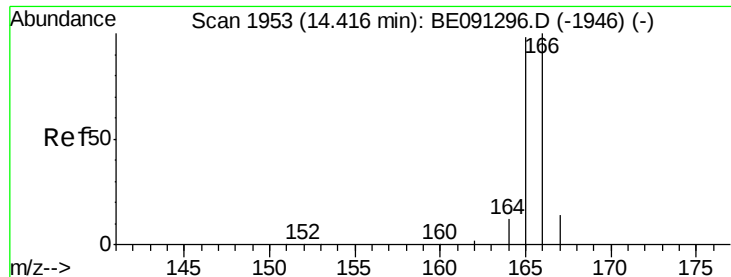
152 62.9 42.3 63.5

154 86.3 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

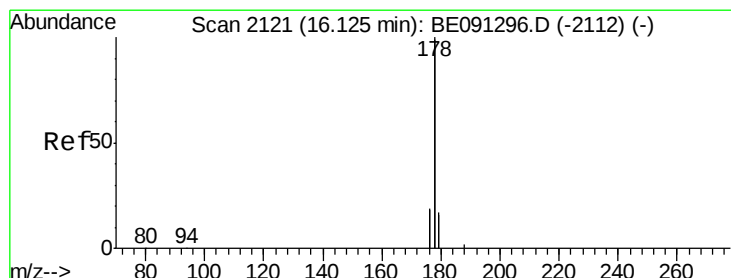
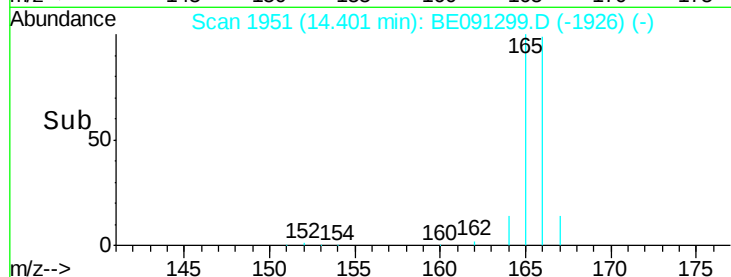
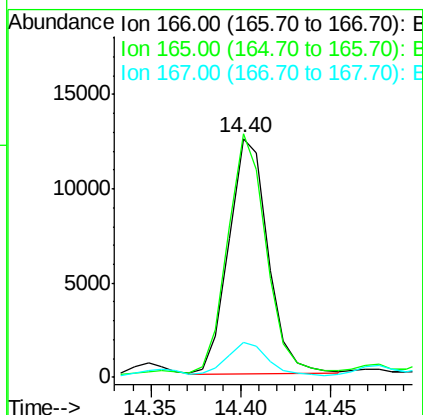
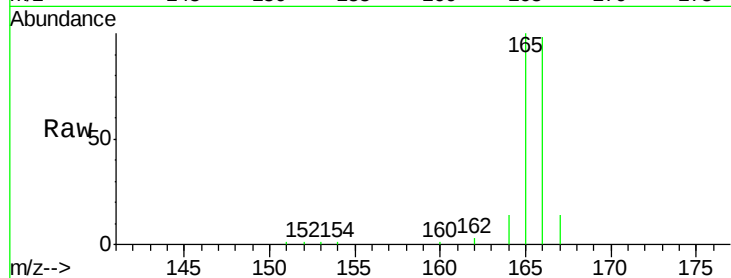




#11
Fluorene
 Concen: 0.99 ng/ul
 RT: 14.40 min Scan# 1951
 Delta R.T. -0.02 min
 Lab File: BE091299.D
 Acq: 23 Nov 2015 14:44

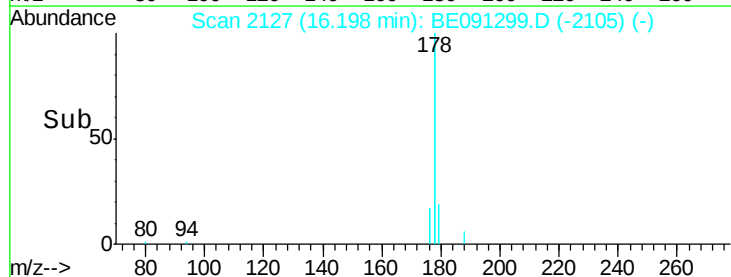
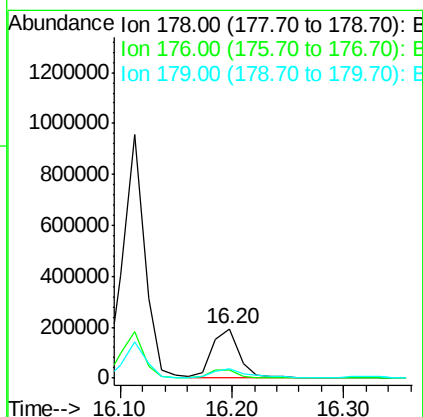
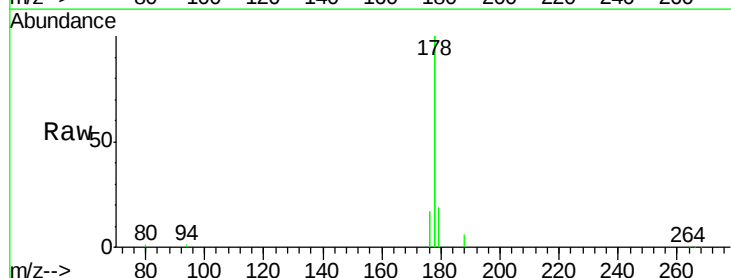
Instrument :
 BNA_E
 ClientSampleId :
 A4HS0

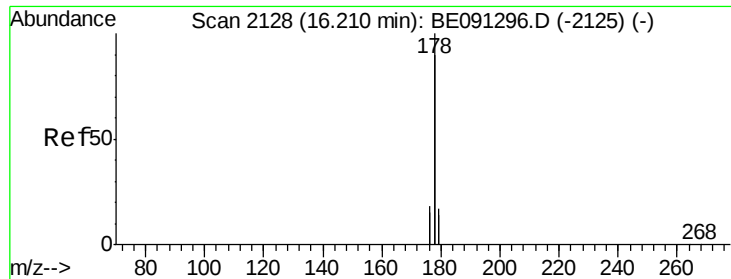
Tgt Ion:166 Resp: 18916
 Ion Ratio Lower Upper
 166 100
 165 101.9 87.6 131.4
 167 14.5 11.1 16.7



#14
Phenanthrene
 Concen: 0.06 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. 0.07 min
 Lab File: BE091299.D
 Acq: 23 Nov 2015 14:44

Tgt Ion:178 Resp: 319828
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 19.1 12.8 19.2





#15

Anthracene

Concen: 0.07 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

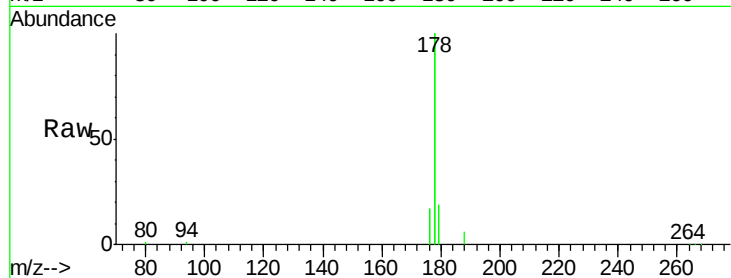
Tgt Ion:178 Resp: 315545

Ion Ratio Lower Upper

178 100

176 17.4 15.8 23.8

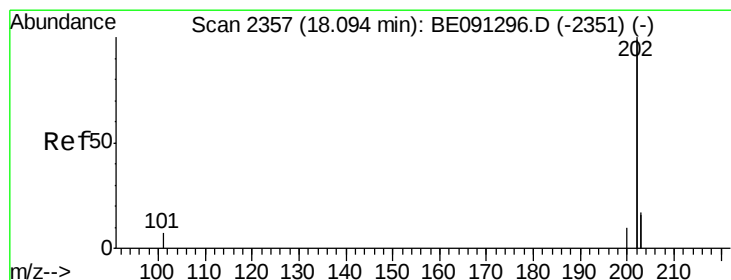
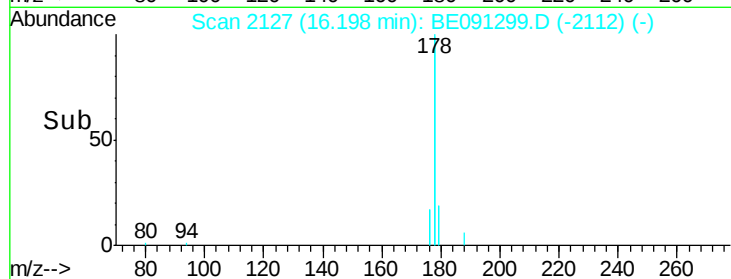
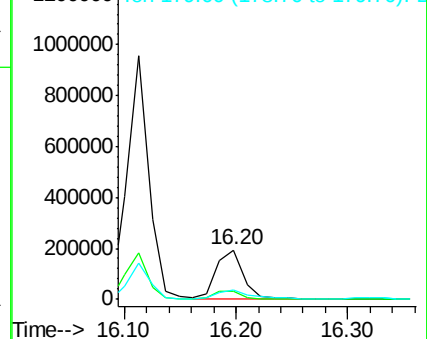
179 19.1 13.3 19.9



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: 0.28 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

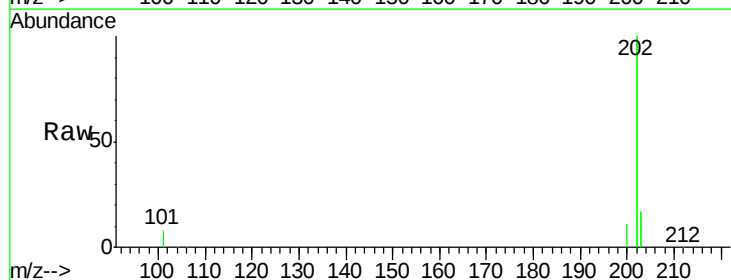
Tgt Ion:202 Resp: 1657824

Ion Ratio Lower Upper

202 100

101 3.9 0.0 33.1

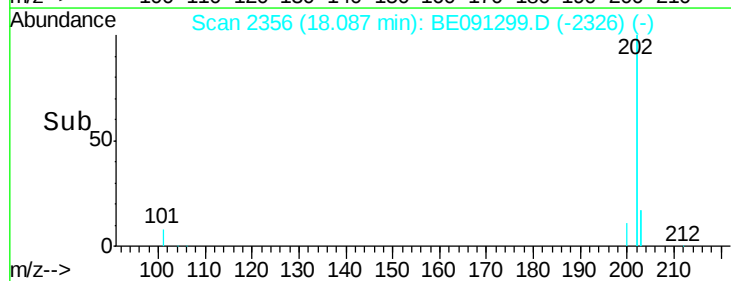
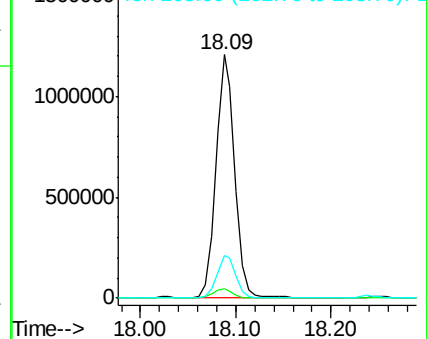
203 17.4 0.0 37.2

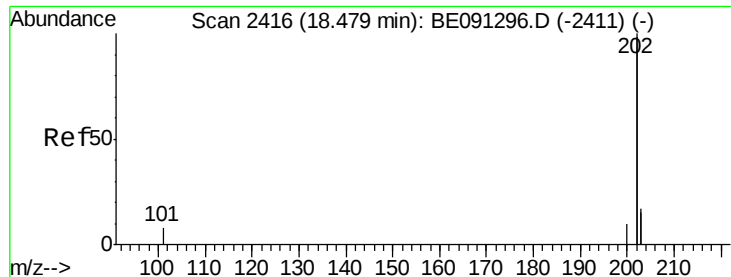


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 9.08 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

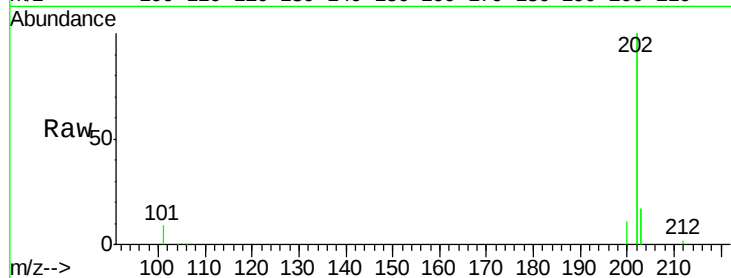
Tgt Ion:202 Resp: 1508166

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

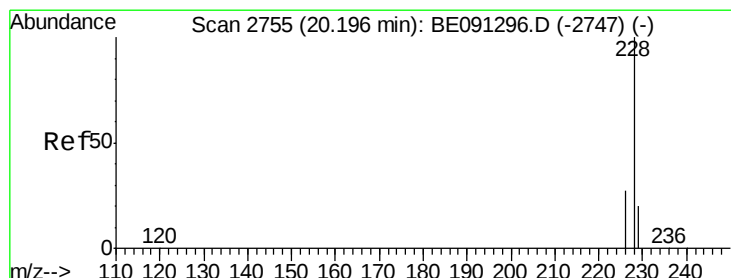
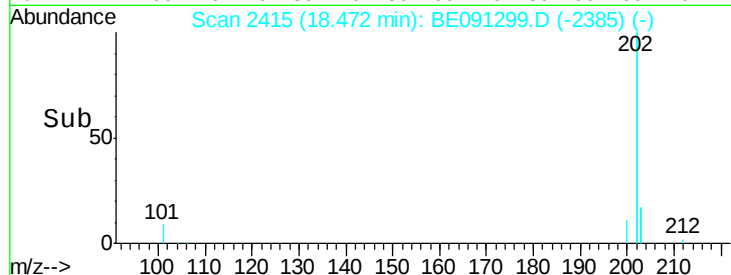
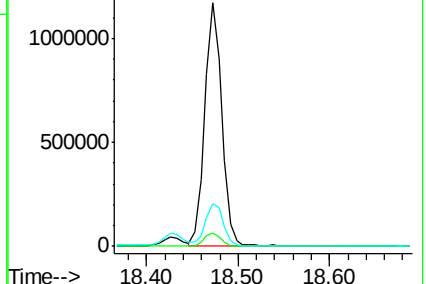
203 17.4 13.8 20.6



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: 4.60 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.06 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

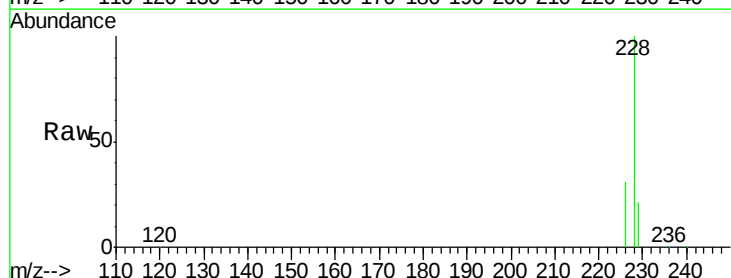
Tgt Ion:228 Resp: 172594

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

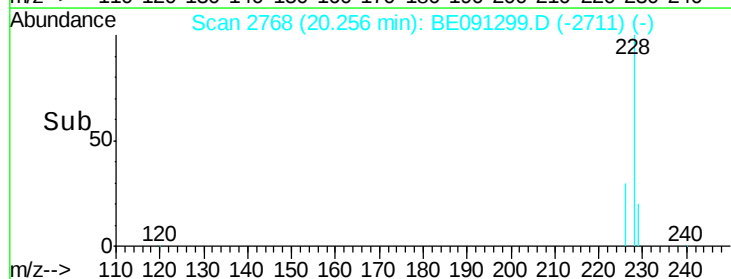
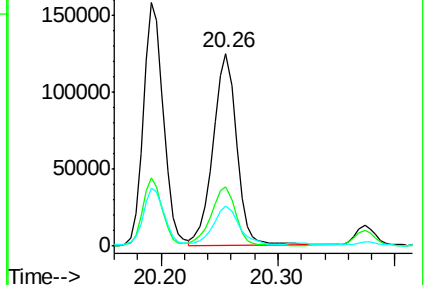
229 20.7 15.2 22.8

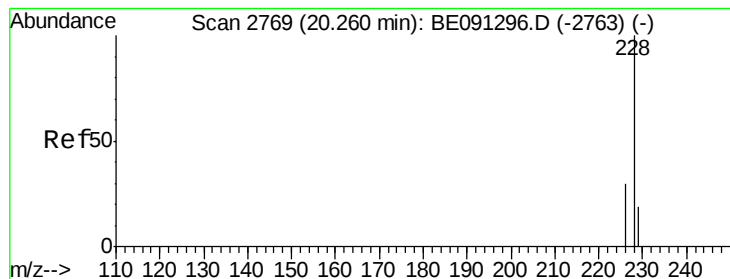


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 4.03 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

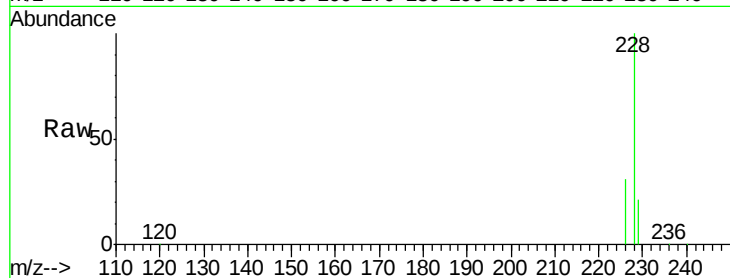
Tgt Ion:228 Resp: 174059

Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

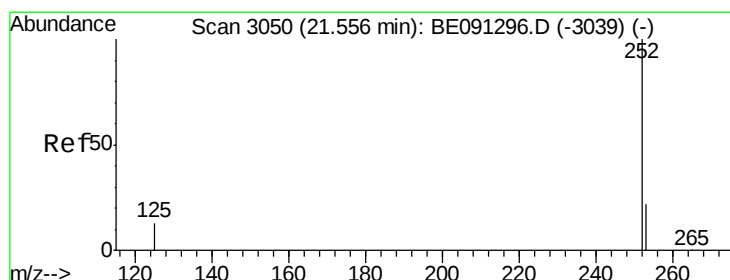
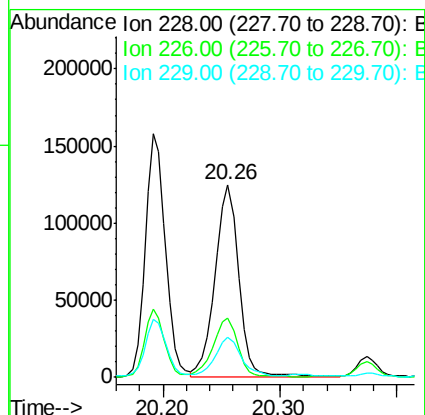
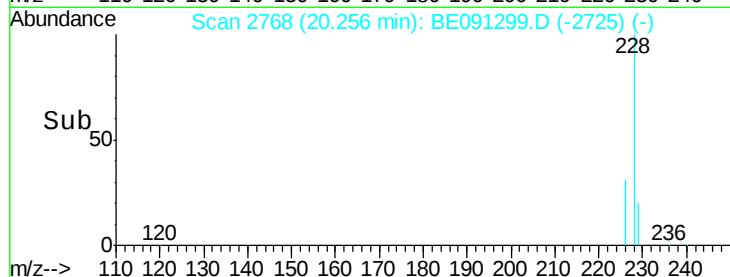
229 20.7 15.2 22.8



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: 2.34 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

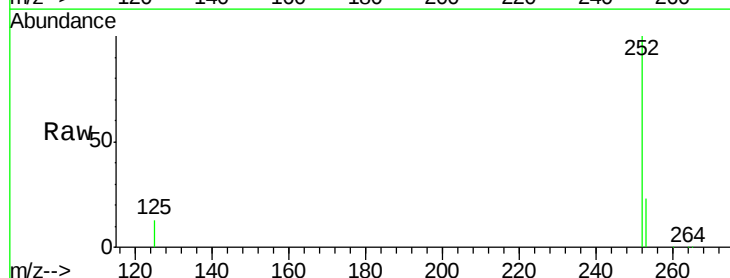
Tgt Ion:252 Resp: 115704

Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.0

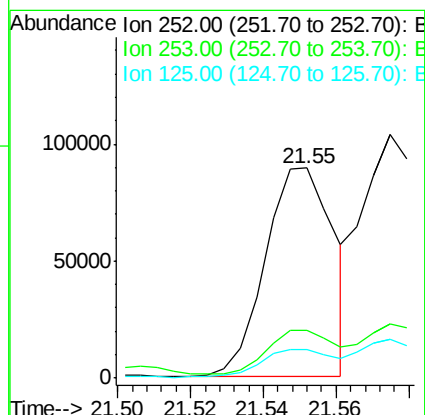
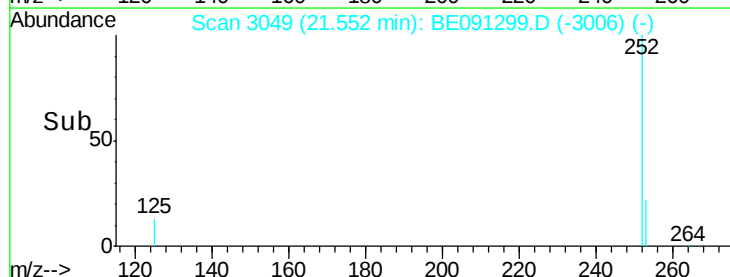
125 13.4 0.0 36.6

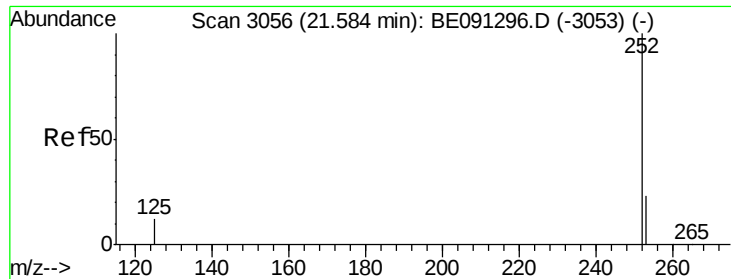


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 2.71 ng/ul

RT: 21.57 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0

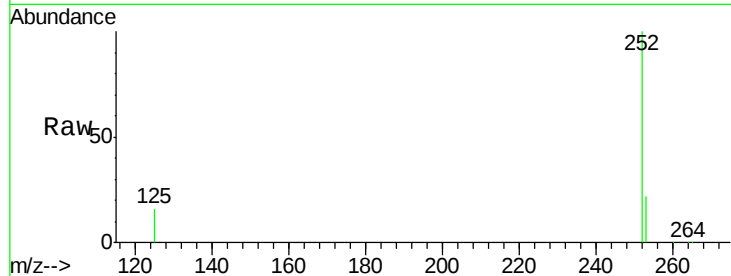
Tgt Ion:252 Resp: 137615

Ion Ratio Lower Upper

252 100

253 22.5 20.8 31.2

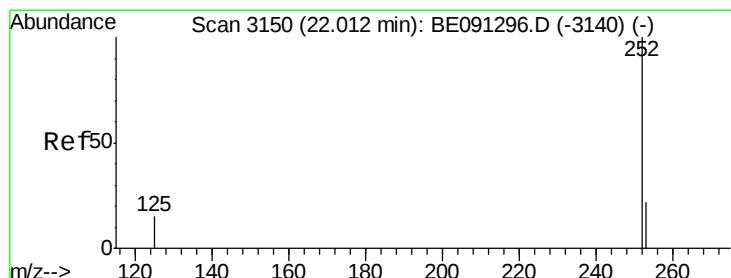
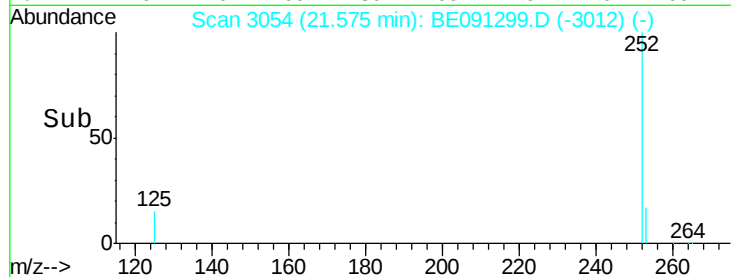
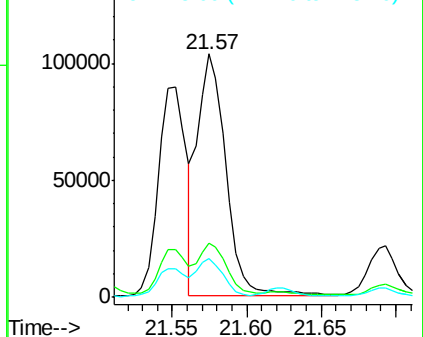
125 15.8 12.2 18.4



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: 1.83 ng/ul

RT: 21.95 min Scan# 3136

Delta R.T. -0.06 min

Lab File: BE091299.D

Acq: 23 Nov 2015 14:44

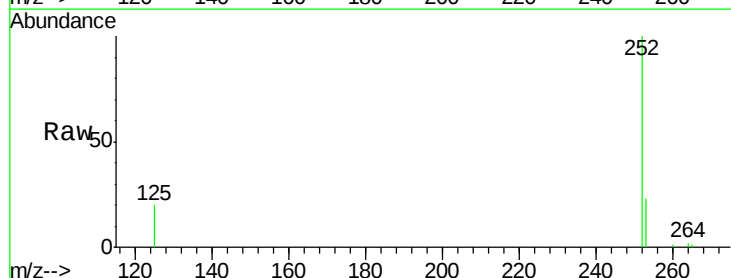
Tgt Ion:252 Resp: 83480

Ion Ratio Lower Upper

252 100

253 23.0 21.8 32.8

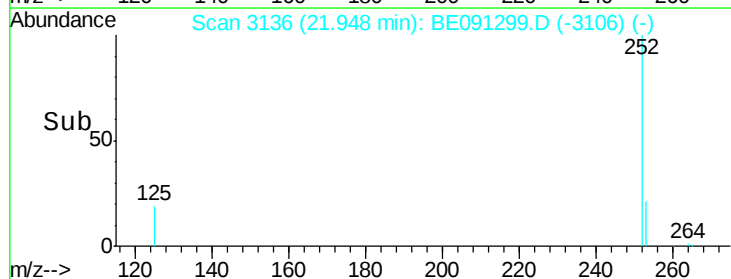
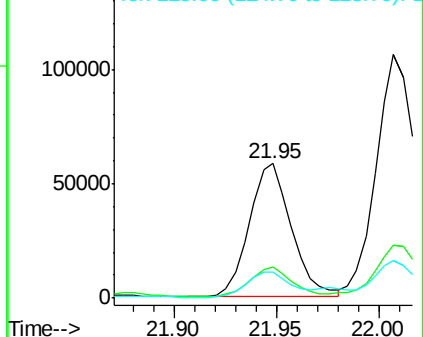
125 19.6 14.5 21.7

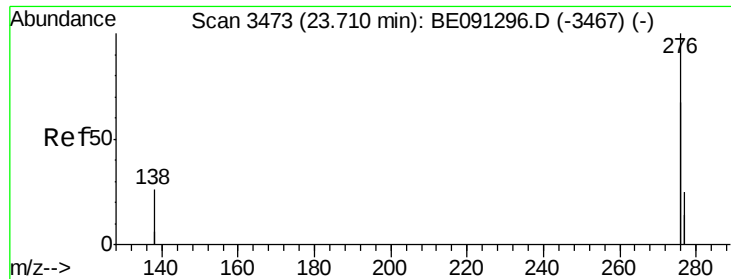


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

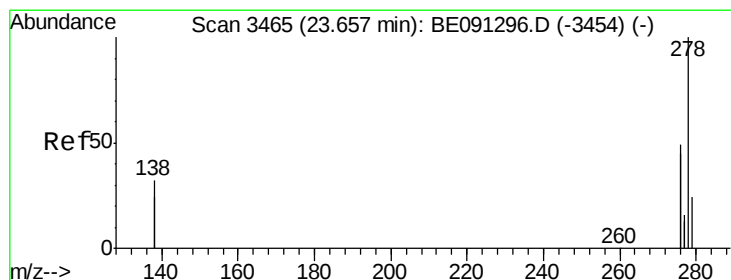
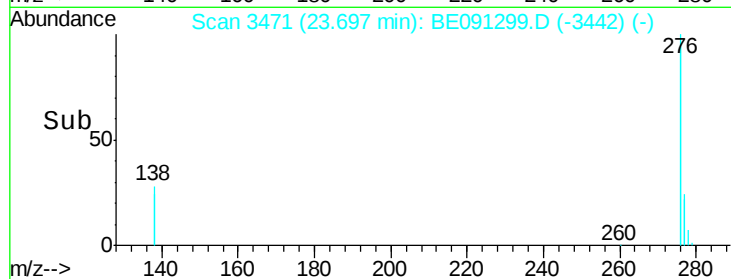
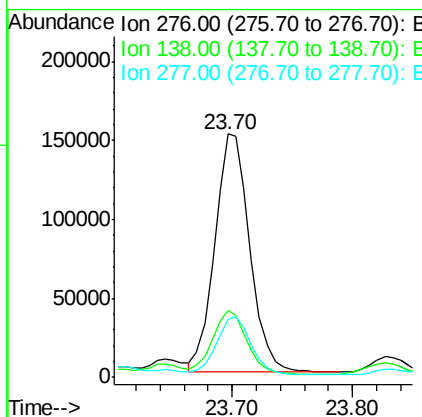
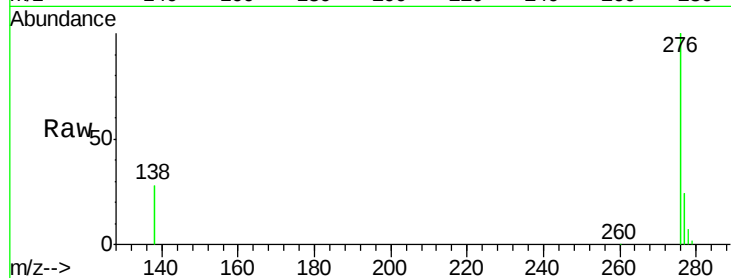




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 1.60 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091299.D
 Acq: 23 Nov 2015 14:44

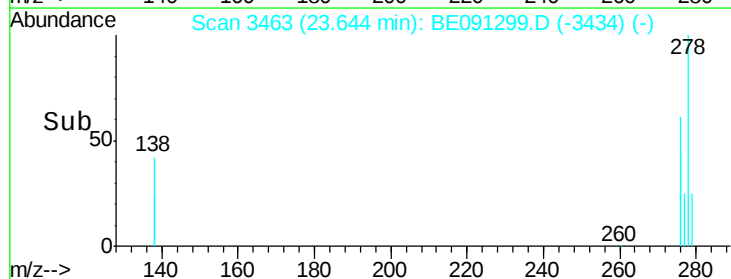
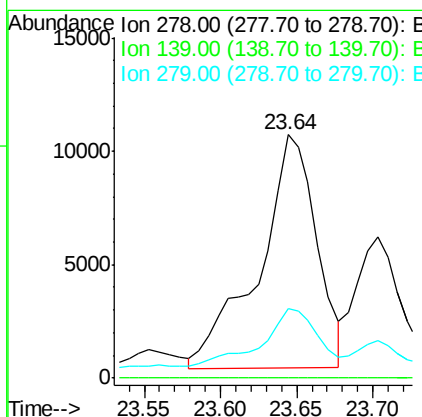
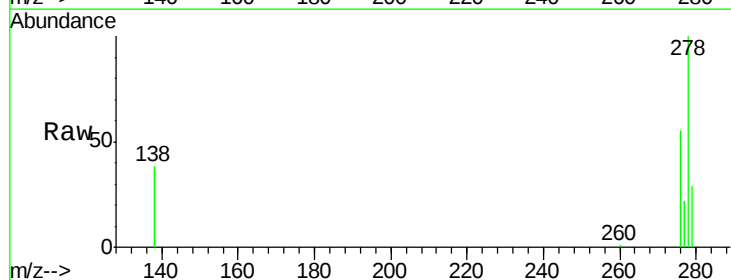
Instrument :
 BNA_E
 ClientSampleId :
 A4HS0

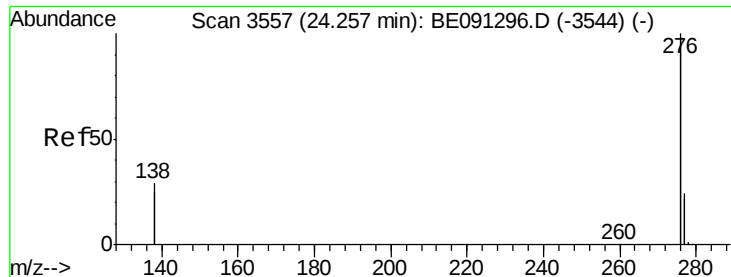
Tgt Ion: 276 Resp: 307416
 Ion Ratio Lower Upper
 276 100
 138 25.7 27.5 41.3#
 277 23.9 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.60 ng/ul
 RT: 23.64 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091299.D
 Acq: 23 Nov 2015 14:44

Tgt Ion: 278 Resp: 27238
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 28.5 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 1.31 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091299.D

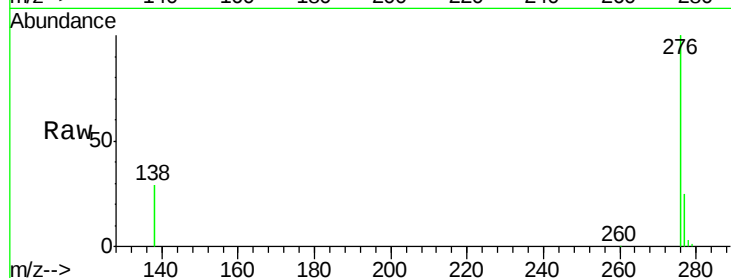
Acq: 23 Nov 2015 14:44

Instrument :

BNA_E

ClientSampleId :

A4HS0



Tgt Ion: 276 Resp: 263186

Ion Ratio Lower Upper

276 100

277 25.2 21.3 31.9

138 29.1 25.5 38.3

