

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091311.D
 Acq On : 23 Nov 2015 22:00
 Operator : UM/NP
 Sample : G4346-02RX
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J70RX

Quant Time: Nov 24 02:53:55 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

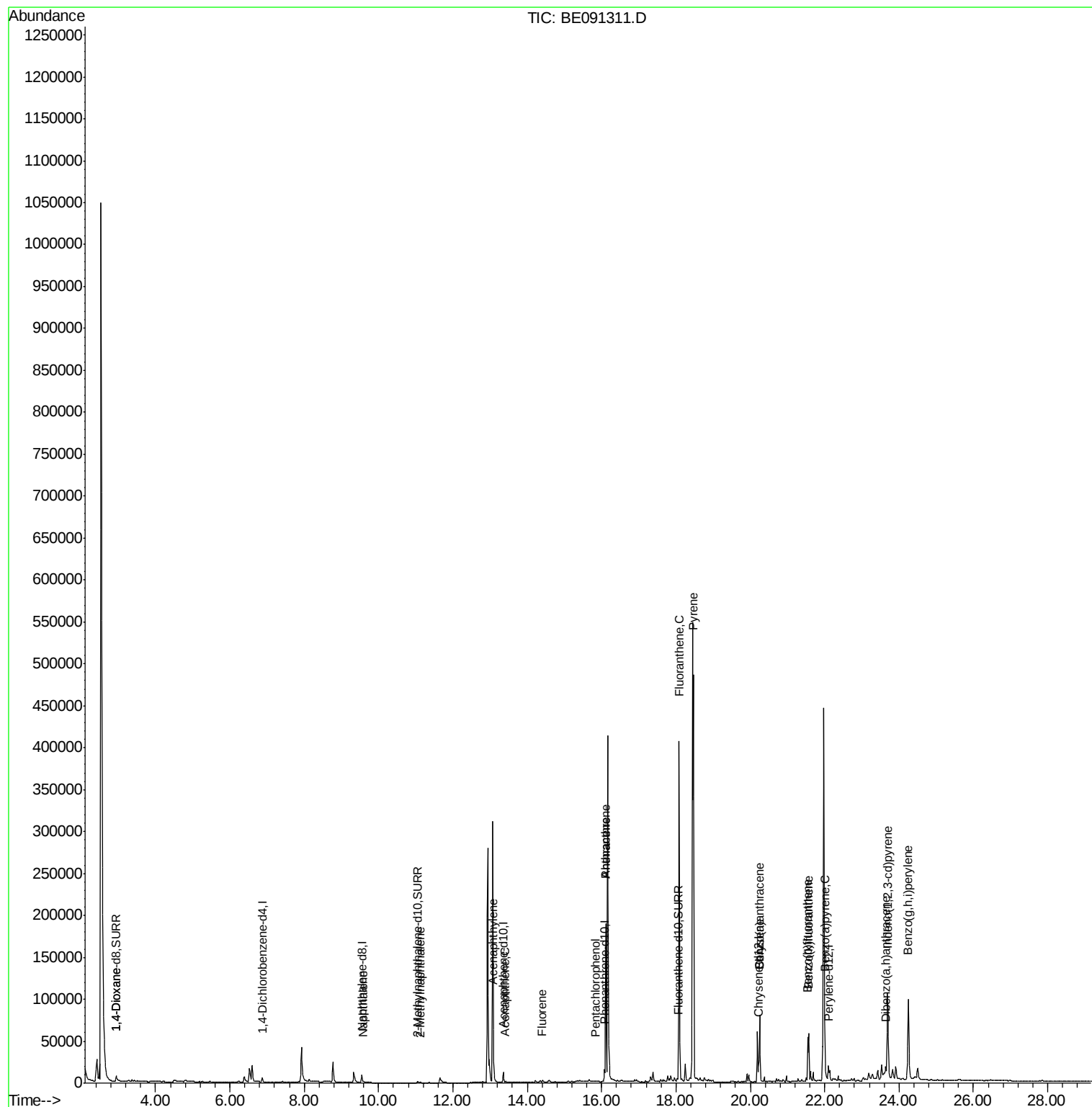
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2327	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	11506	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6212	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.08	188	15830	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	18633	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	20077	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.94	96	8416	5.03	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	2087	0.13	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	5310	0.12	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.93	88	109	0.06	ng/ul#	44
5) Naphthalene	9.59	128	1635	0.06	ng/ul#	83
7) 2-Methylnaphthalene	11.12	142	690	0.04	ng/ul	97
9) Acenaphthylene	13.10	152	11493	0.37	ng/ul	99
10) Acenaphthene	13.42	153	823	0.04	ng/ul#	88
11) Fluorene	14.40	166	2023	0.07	ng/ul#	95
13) Pentachlorophenol	15.85	266	171	0.11	ng/ul	95
14) Phenanthrene	16.11	178	183986	1.01	ng/ul	99
15) Anthracene	16.11	178	183986	1.11	ng/ul	99
17) Fluoranthene	18.09	202	424455	1.98	ng/ul	89
19) Pyrene	18.47	202	492860	2.33	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	73485	1.54	ng/ul	96
21) Chrysene	20.26	228	74495	1.35	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	50706	0.81	ng/ul	96
24) Benzo(k)fluoranthene	21.58	252	52847	0.82	ng/ul	96
25) Benzo(a)pyrene	22.01	252	55853	0.97	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.70	276	141686	0.58	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.64	278	14097	0.24	ng/ul#	71
28) Benzo(g,h,i)perylene	24.25	276	153423	0.60	ng/ul	97

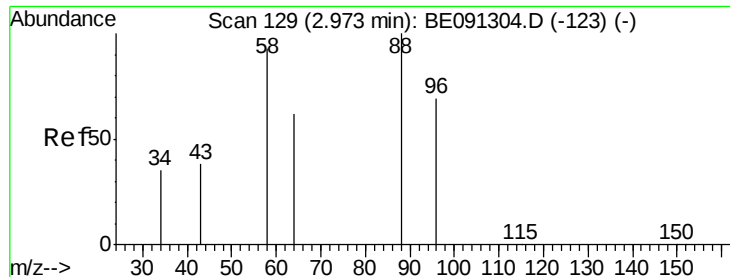
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.06 ng/ul

RT: 2.93 min Scan# 122

Delta R.T. -0.05 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

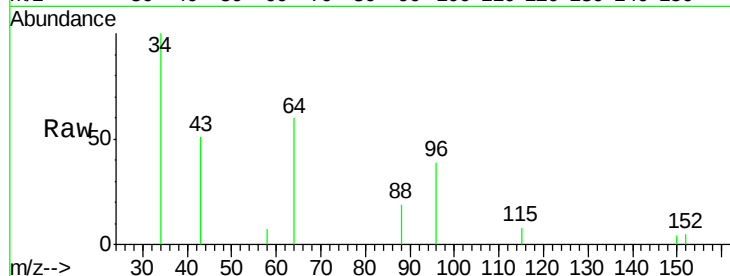
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

58 22.9 55.4 83.2#

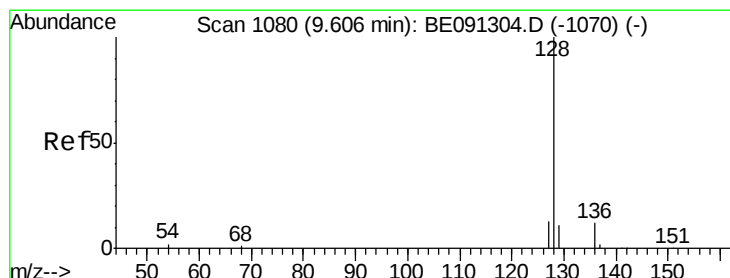
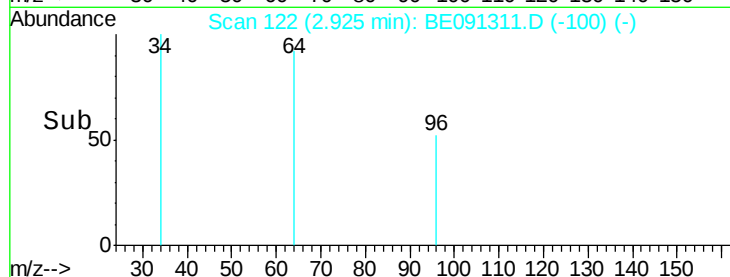
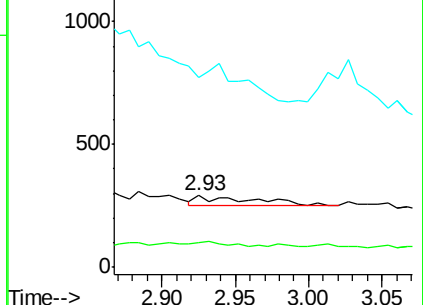
43 0.0 24.2 36.2#



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: 0.06 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

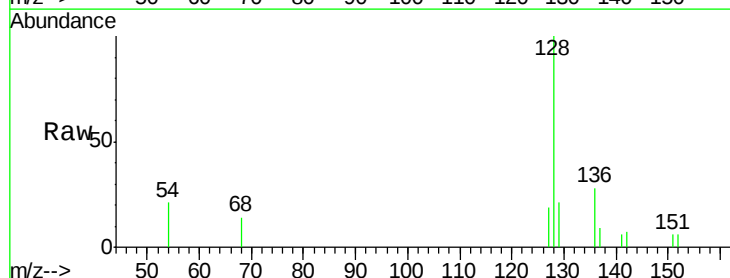
Tgt Ion: 128 Resp: 1635

Ion Ratio Lower Upper

128 100

129 20.8 9.8 14.8#

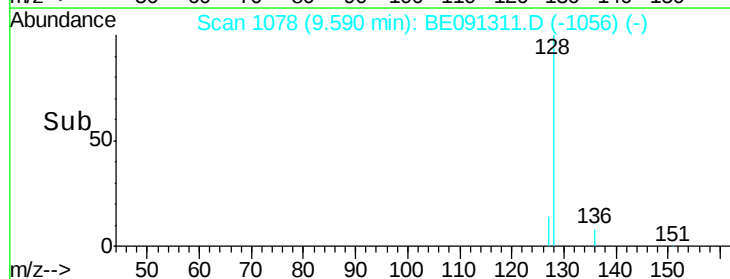
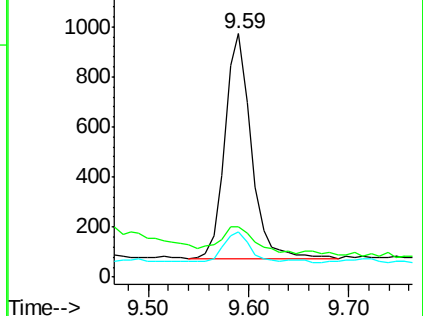
127 18.7 10.7 16.1#

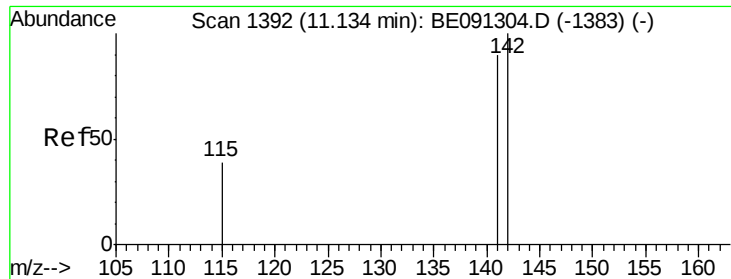


Abundance Ion 128.00 (127.70 to 128.70): E

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: 11.12 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

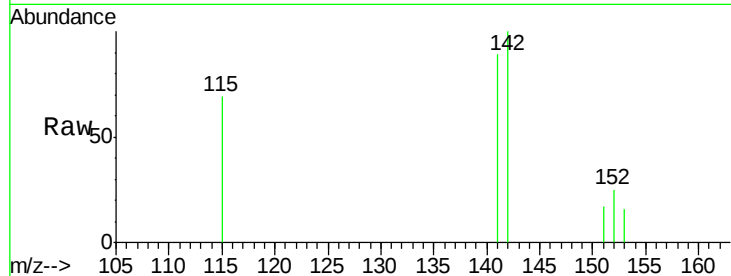
A4J70RX

Tgt Ion:142 Resp: 690

Ion Ratio Lower Upper

142 100

141 84.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

400

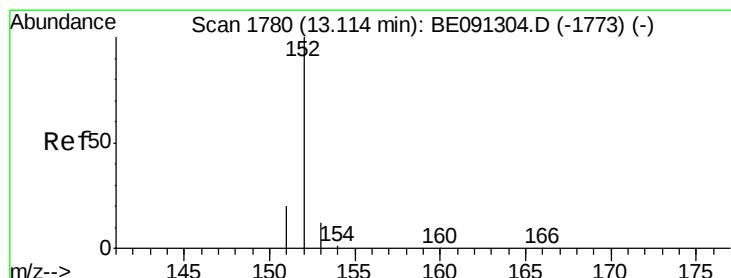
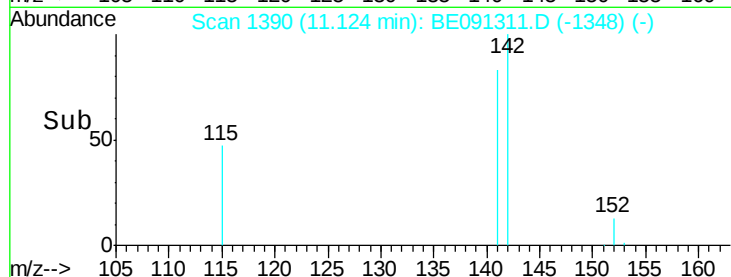
300

200

100

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 13.10 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

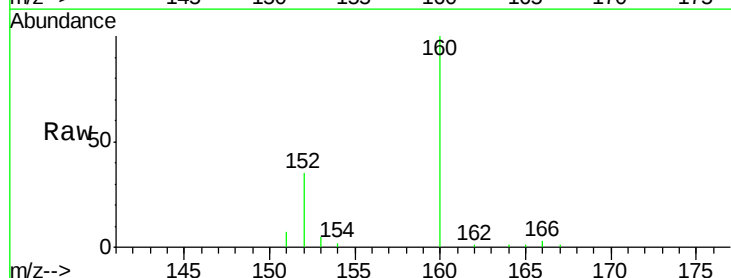
Tgt Ion:152 Resp: 11493

Ion Ratio Lower Upper

152 100

151 20.8 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

13.10

8000

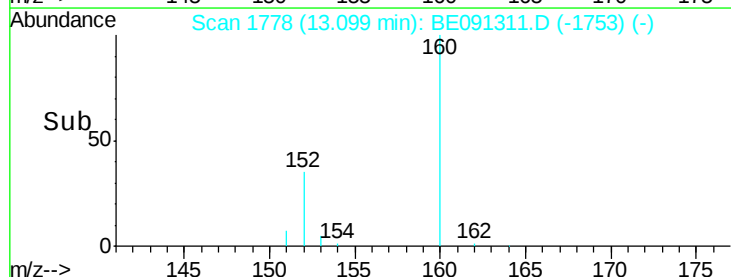
6000

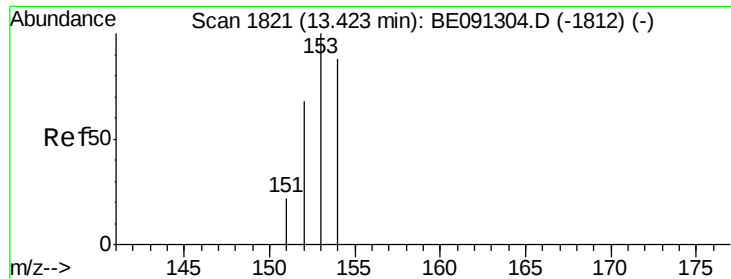
4000

2000

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

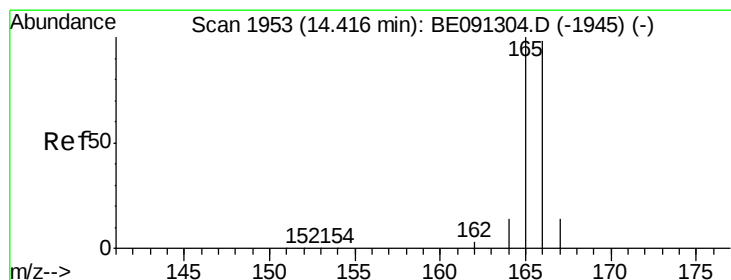
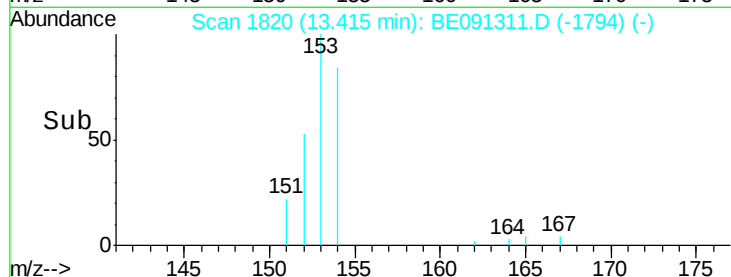
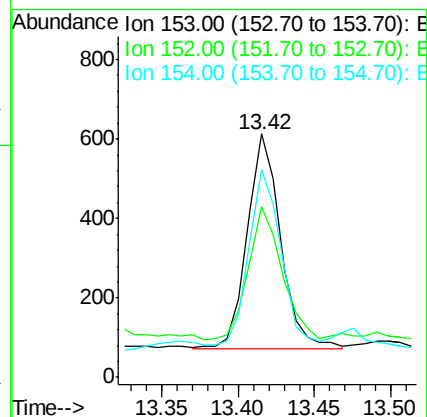
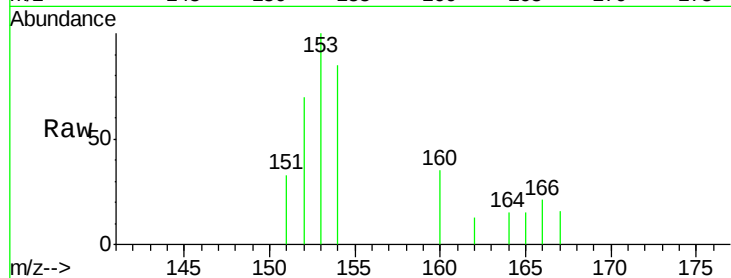
Tgt Ion:153 Resp: 823

Ion Ratio Lower Upper

153 100

152 70.0 42.3 63.5#

154 85.2 64.7 97.1



#11

Fluorene

Concen: 0.07 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

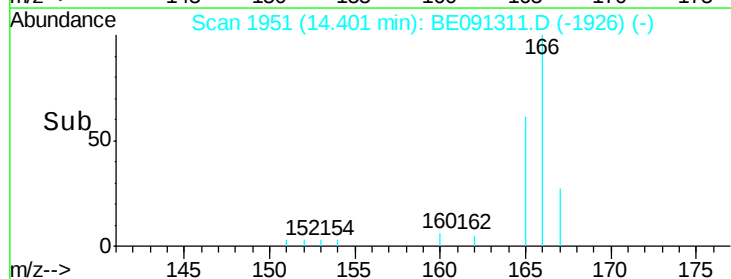
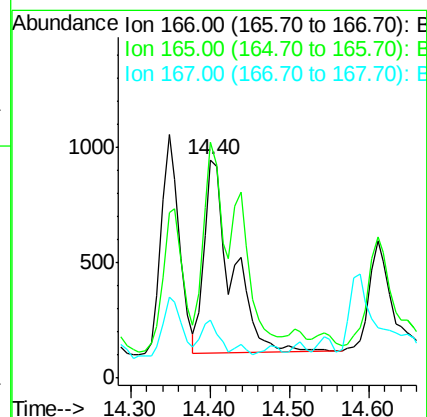
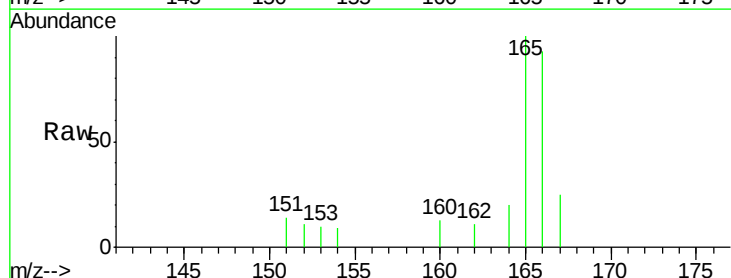
Tgt Ion:166 Resp: 2023

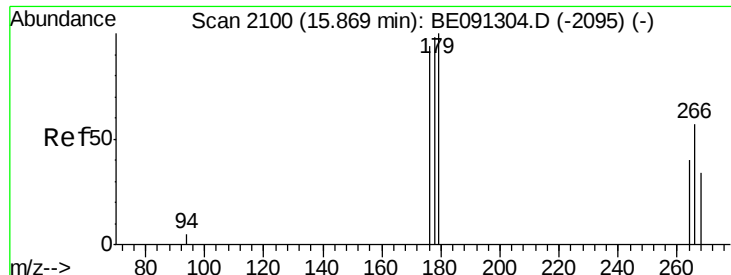
Ion Ratio Lower Upper

166 100

165 108.1 87.6 131.4

167 26.7 11.1 16.7#

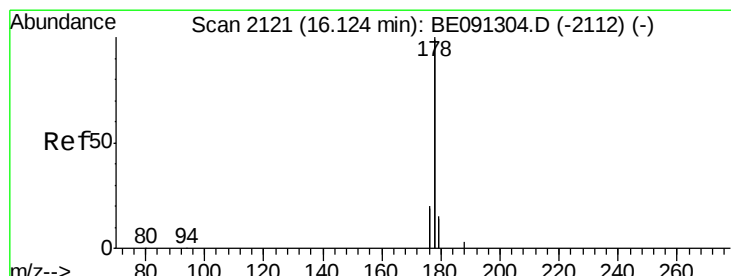
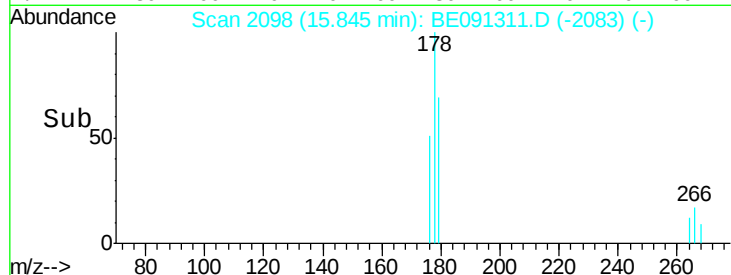
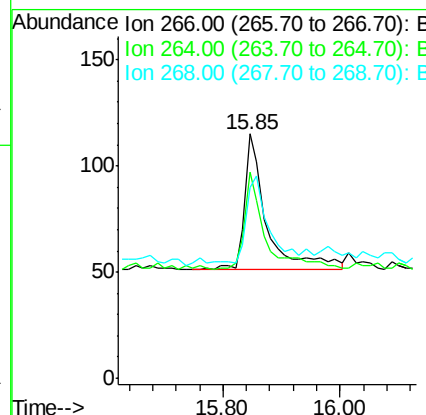
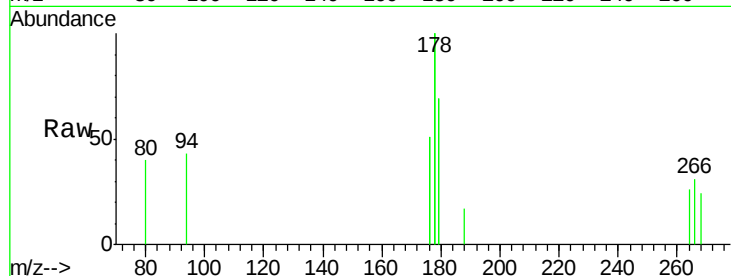




#13
 Pentachlorophenol
 Concen: 0.11 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.02 min
 Lab File: BE091311.D
 Acq: 23 Nov 2015 22:00

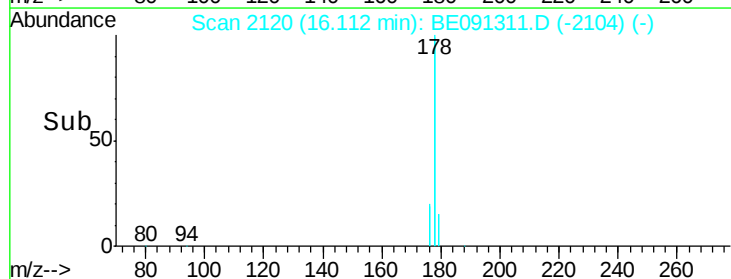
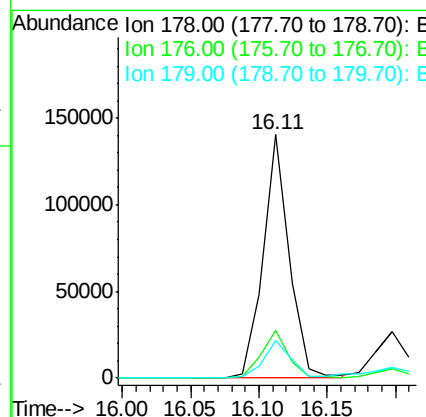
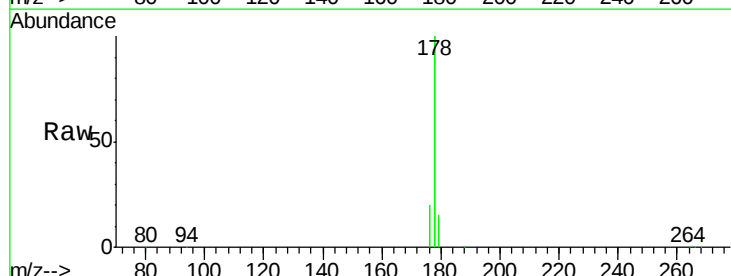
Instrument :
 BNA_E
 ClientSampleId :
 A4J70RX

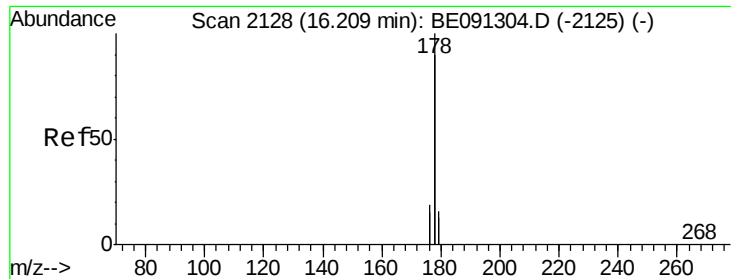
Tgt Ion: 266 Resp: 171
 Ion Ratio Lower Upper
 266 100
 264 70.2 53.5 80.3
 268 63.2 54.2 81.2



#14
 Phenanthrene
 Concen: 1.01 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091311.D
 Acq: 23 Nov 2015 22:00

Tgt Ion: 178 Resp: 183986
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.3 12.8 19.2





#15

Anthracene

Concen: 1.11 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

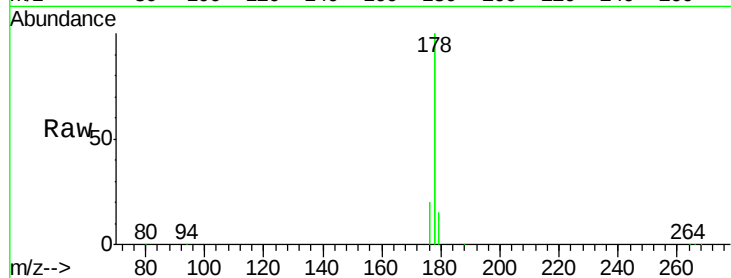
Tgt Ion:178 Resp: 183986

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

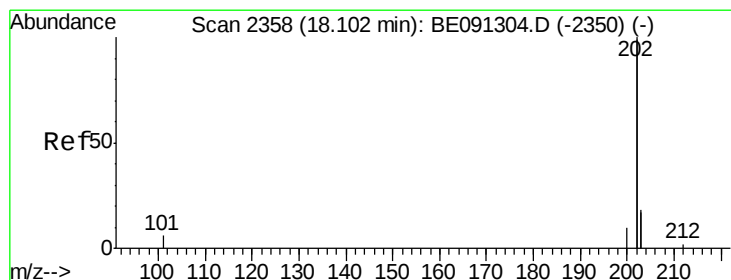
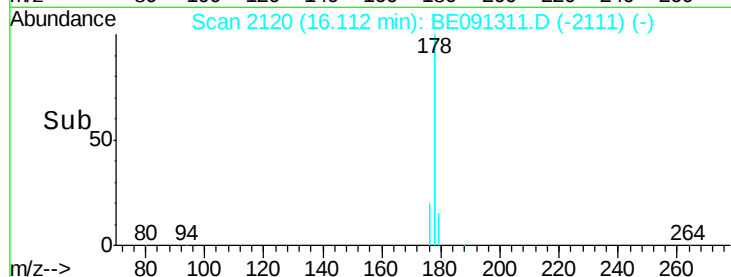
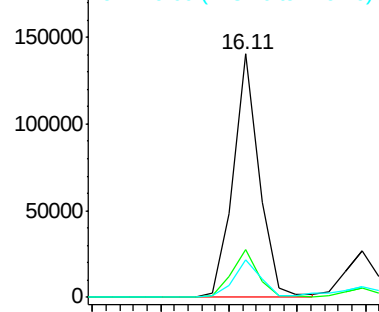
179 15.3 13.3 19.9



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: 1.98 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

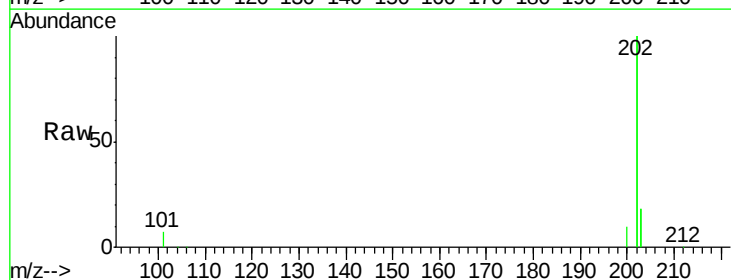
Tgt Ion:202 Resp: 424455

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

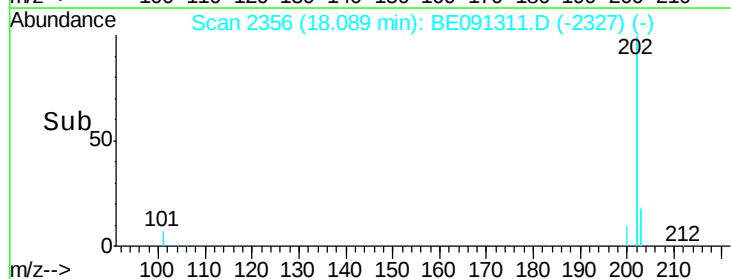
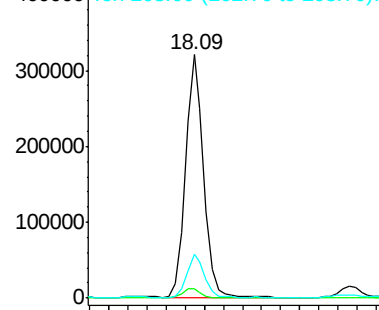
203 17.8 0.0 37.2

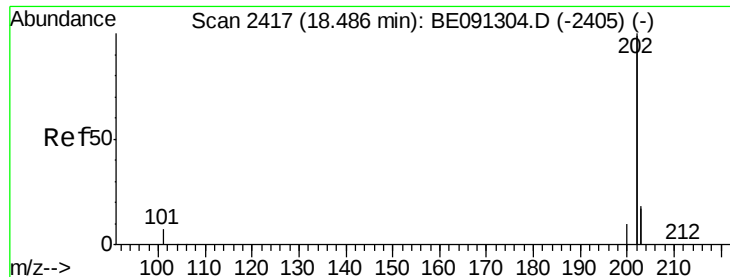


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 2.33 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

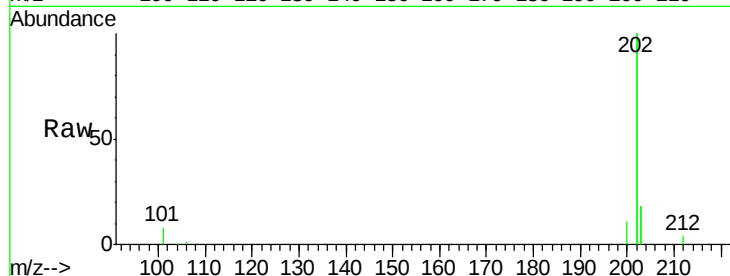
Tgt Ion:202 Resp: 492860

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

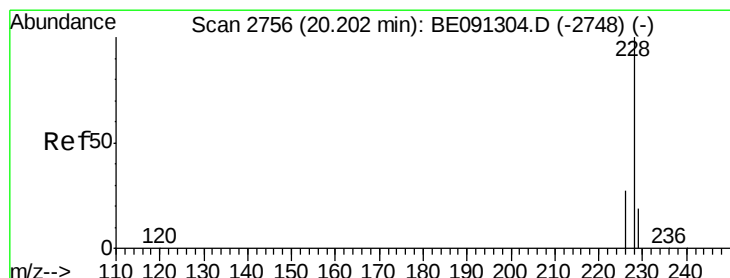
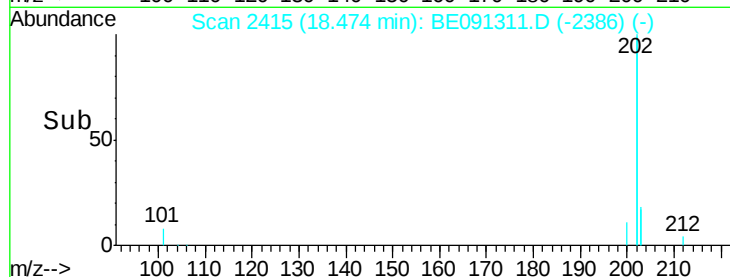
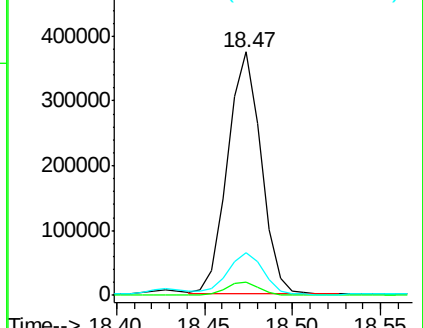
203 17.6 13.8 20.6



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: 1.54 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.05 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

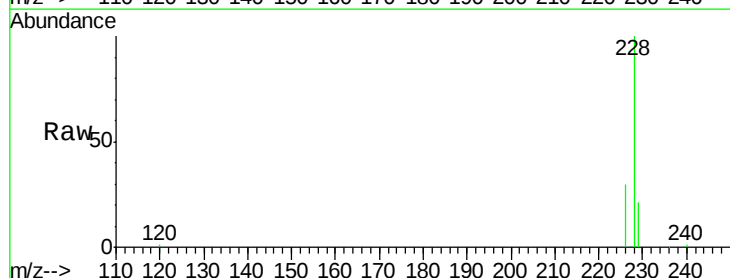
Tgt Ion:228 Resp: 73485

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.4

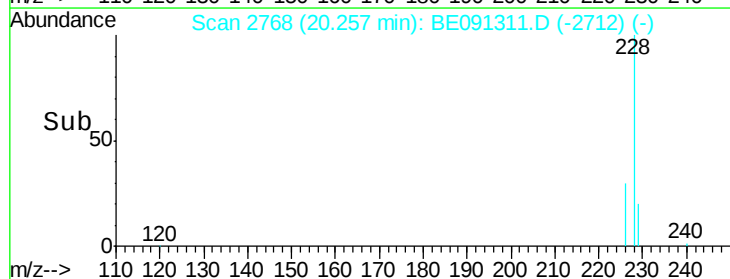
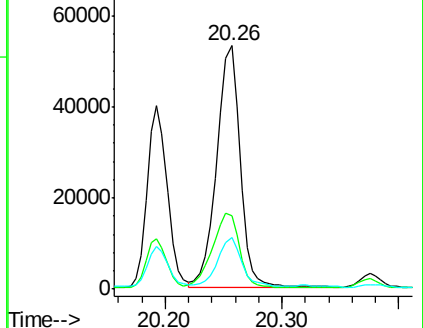
229 20.9 15.2 22.8

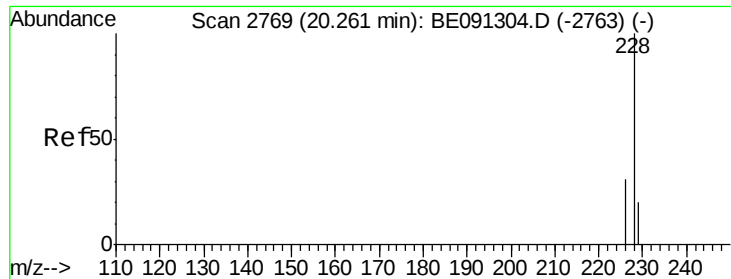


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 1.35 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

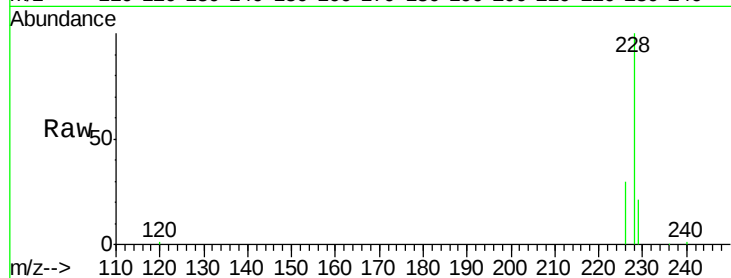
Tgt Ion:228 Resp: 74495

Ion Ratio Lower Upper

228 100

226 30.3 25.7 38.5

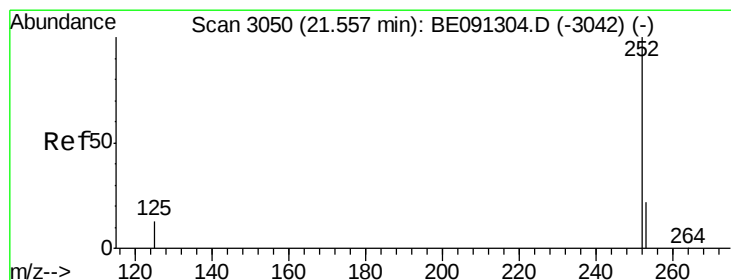
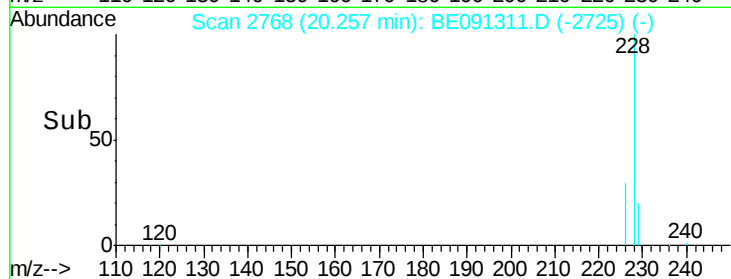
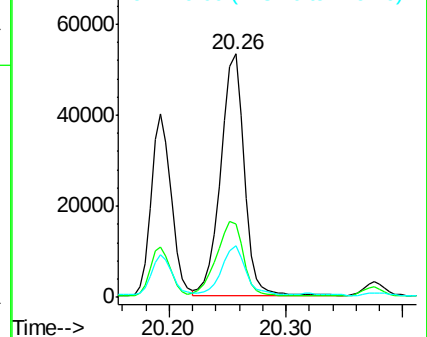
229 20.9 15.2 22.8



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: 0.81 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

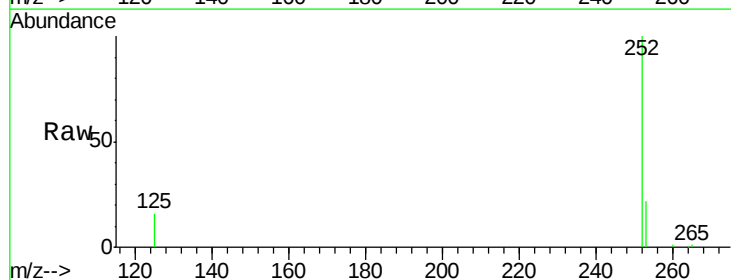
Tgt Ion:252 Resp: 50706

Ion Ratio Lower Upper

252 100

253 22.2 0.0 48.0

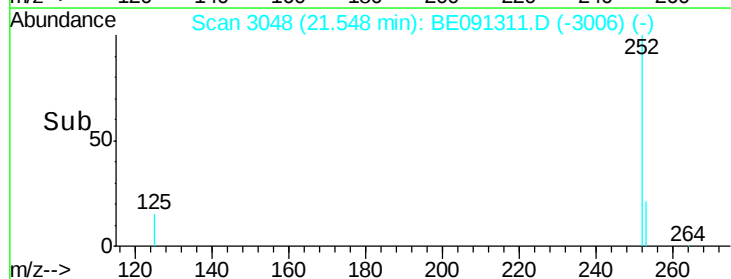
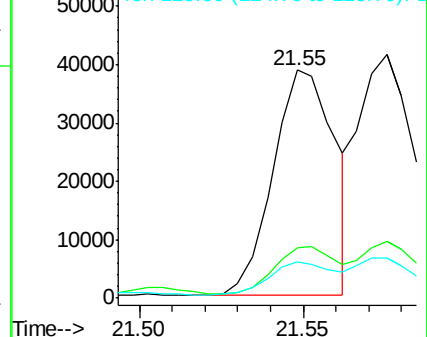
125 16.0 0.0 36.6

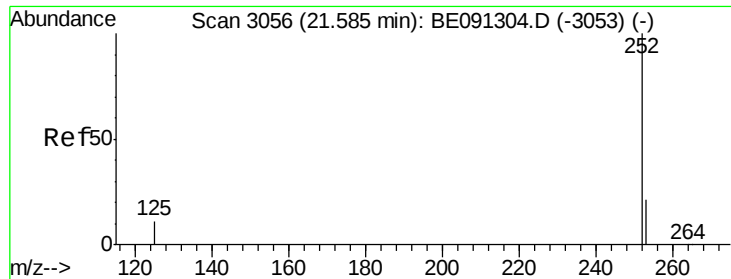


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.82 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

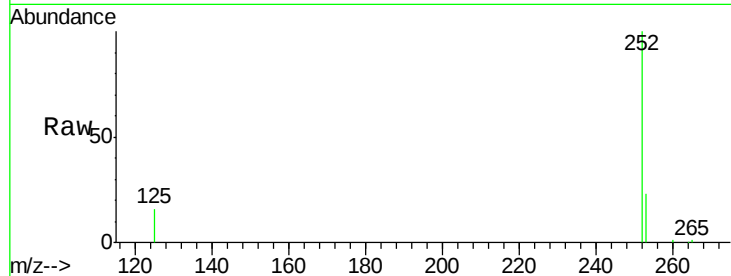
Tgt Ion:252 Resp: 52847

Ion Ratio Lower Upper

252 100

253 23.4 20.8 31.2

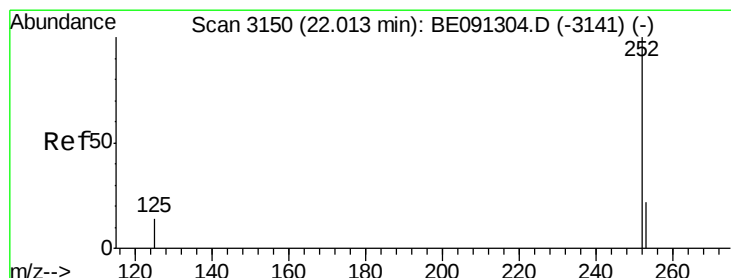
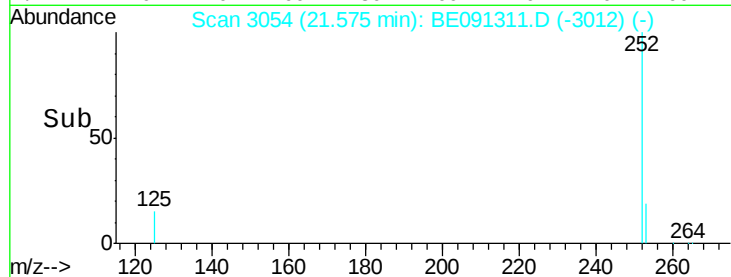
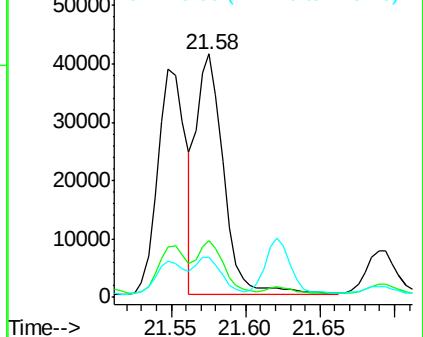
125 16.4 12.2 18.4



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: 0.97 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

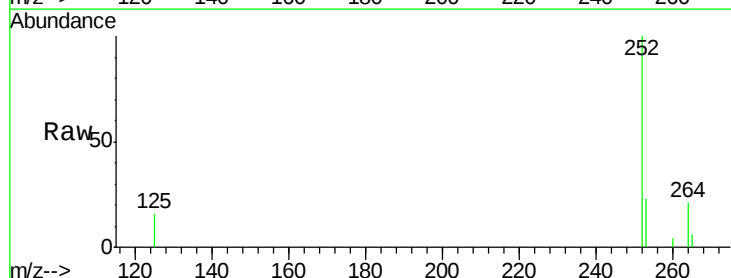
Tgt Ion:252 Resp: 55853

Ion Ratio Lower Upper

252 100

253 23.3 21.8 32.8

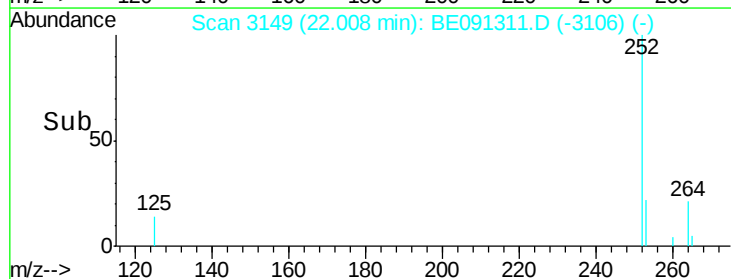
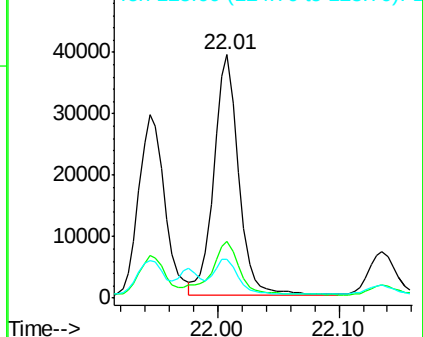
125 16.2 14.5 21.7

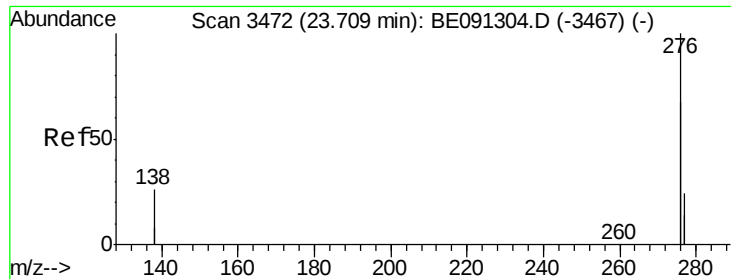


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

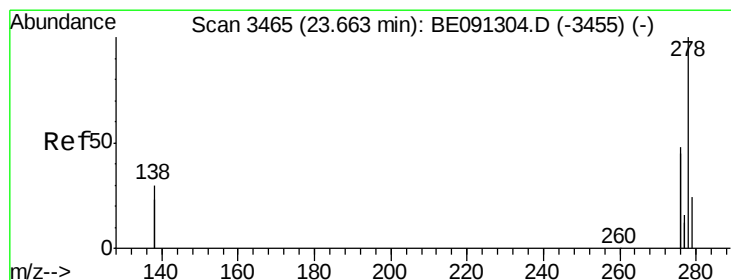
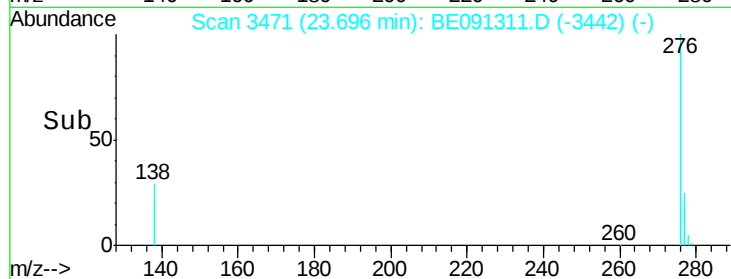
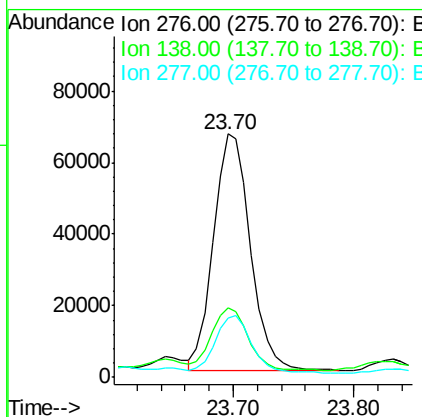
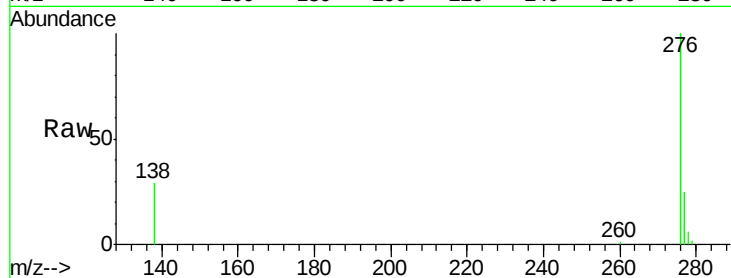




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.58 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091311.D
 Acq: 23 Nov 2015 22:00

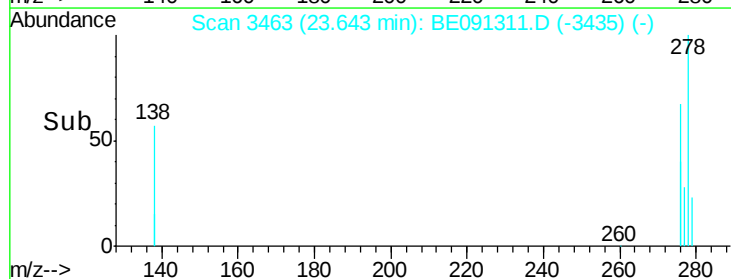
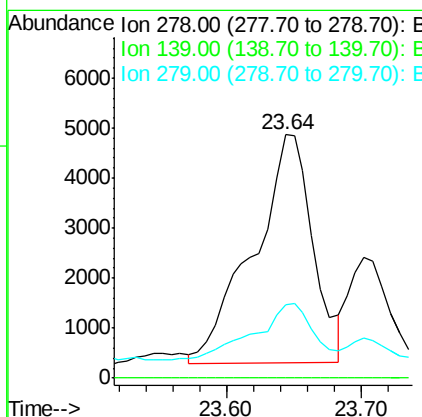
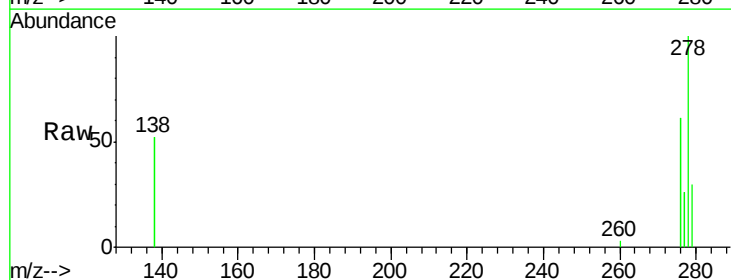
Instrument :
 BNA_E
 ClientSampleId :
 A4J70RX

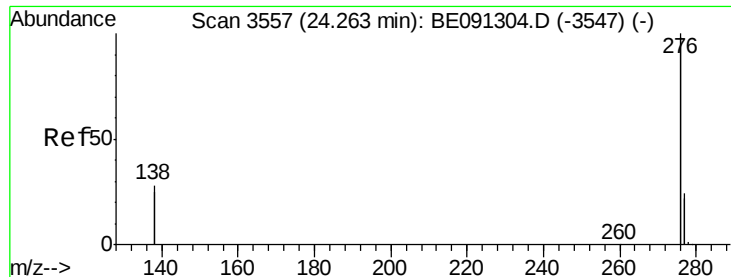
Tgt Ion: 276 Resp: 141686
 Ion Ratio Lower Upper
 276 100
 138 25.9 27.5 41.3#
 277 23.9 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.24 ng/ul
 RT: 23.64 min Scan# 3463
 Delta R.T. -0.02 min
 Lab File: BE091311.D
 Acq: 23 Nov 2015 22:00

Tgt Ion: 278 Resp: 14097
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 30.4 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.60 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091311.D

Acq: 23 Nov 2015 22:00

Instrument :

BNA_E

ClientSampleId :

A4J70RX

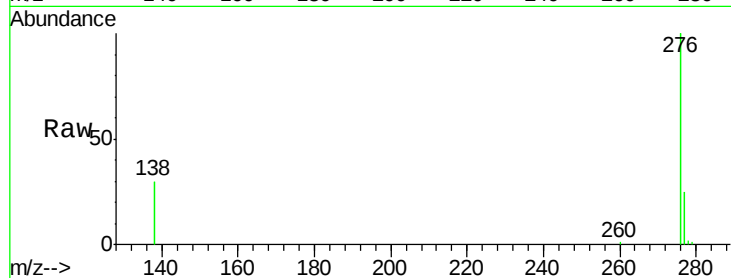
Tgt Ion: 276 Resp: 153423

Ion Ratio Lower Upper

276 100

277 24.7 21.3 31.9

138 30.4 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

