

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091288.D
 Acq On : 21 Nov 2015 22:19
 Operator : UM/NP
 Sample : G4345-24
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J69

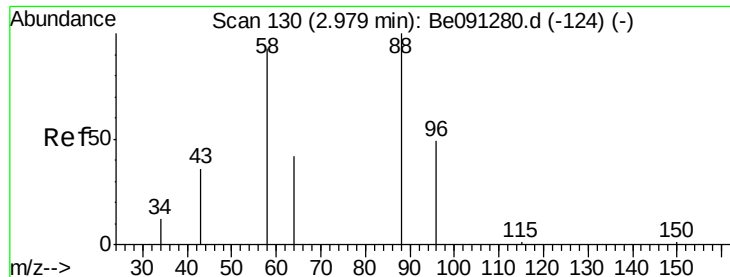
Quant Time: Nov 22 02:03:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:59:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2838	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13352	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7657	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1188109	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	19417	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1314054	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	22867	11.20	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	5462	0.30	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	14163	0.00	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.07	88	31	0.01	ng/ul#	24
5) Naphthalene	9.58	128	990	0.03	ng/ul#	66
7) 2-Methylnaphthalene	11.12	142	264	0.01	ng/ul	89
9) Acenaphthylene	13.11	152	388	0.01	ng/ul#	27
10) Acenaphthene	13.42	153	760	0.03	ng/ul	92
11) Fluorene	14.40	166	1246	0.04	ng/ul#	93
13) Pentachlorophenol	15.86	266	199	0.00	ng/ul	94
14) Phenanthrene	16.11	178	65310	0.00	ng/ul	100
15) Anthracene	16.11	178	48988	0.00	ng/ul	99
17) Fluoranthene	18.09	202	63269	0.00	ng/ul	90
19) Pyrene	18.47	202	61266	0.28	ng/ul#	77
20) Benzo(a)anthracene	20.26	228	5503	0.11	ng/ul	92
21) Chrysene	20.26	228	5599	0.10	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	3747	0.00	ng/ul	91
24) Benzo(k)fluoranthene	21.55	252	3747	0.00	ng/ul#	91
25) Benzo(a)pyrene	21.95	252	2611	0.00	ng/ul#	80
26) Indeno(1,2,3-cd)pyrene	23.71	276	8727	0.00	ng/ul	94
27) Dibenzo(a,h)anthracene	23.57	278	51	0.00	ng/ul#	10
28) Benzo(g,h,i)perylene	24.26	276	9738	0.00	ng/ul#	80

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



#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.07 min Scan# 143

Delta R.T. 0.09 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

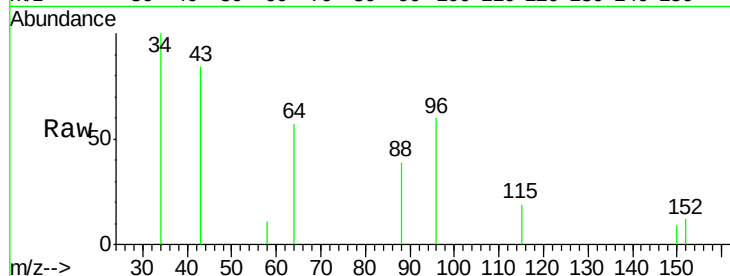
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

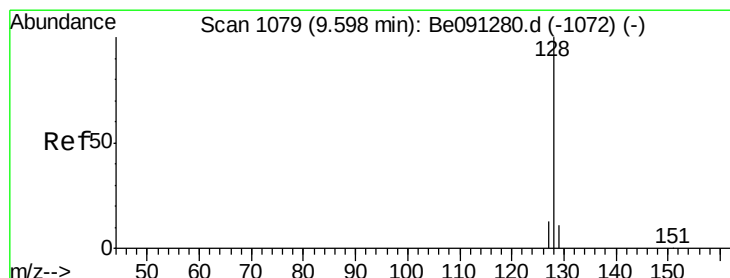
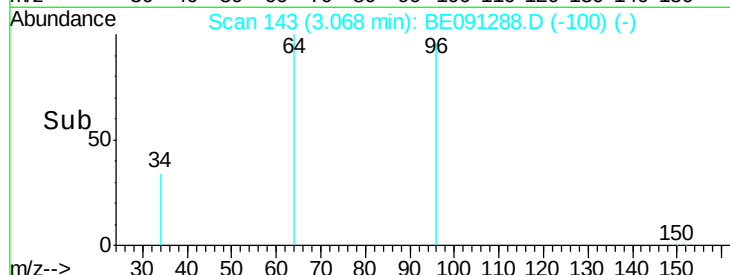
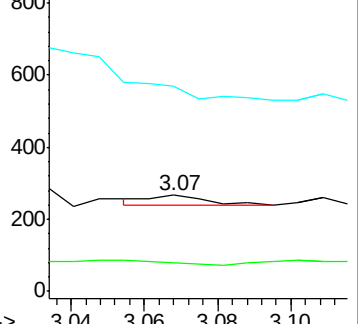
43 0.0 24.2 36.2#



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: 0.03 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

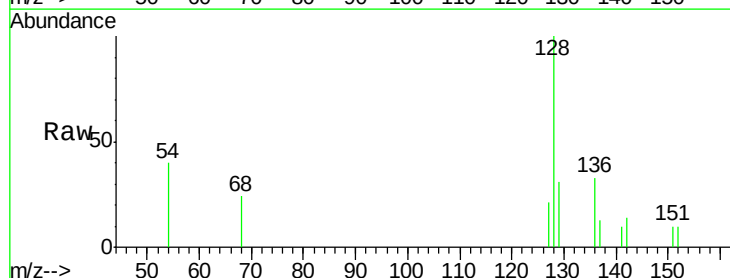
Tgt Ion: 128 Resp: 990

Ion Ratio Lower Upper

128 100

129 31.2 9.8 14.8#

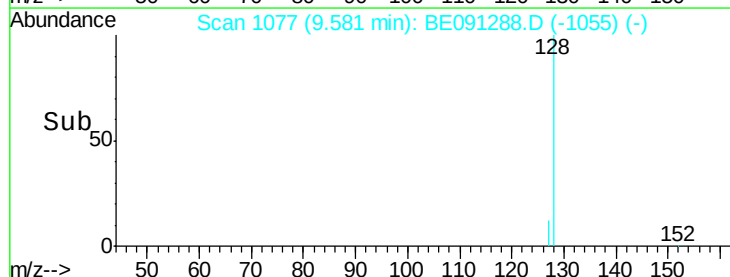
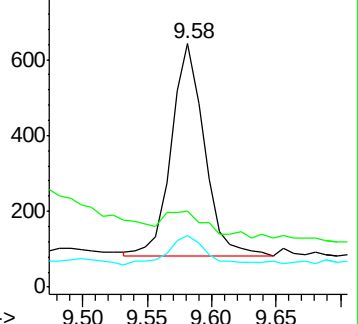
127 21.5 10.7 16.1#

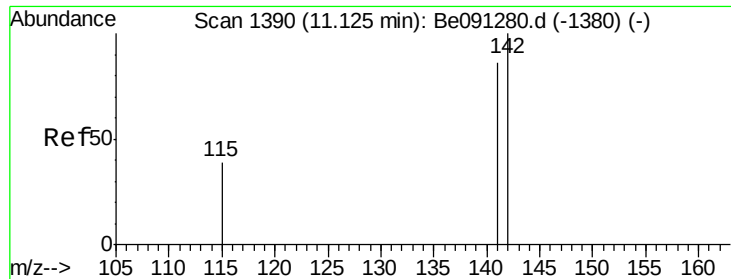


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

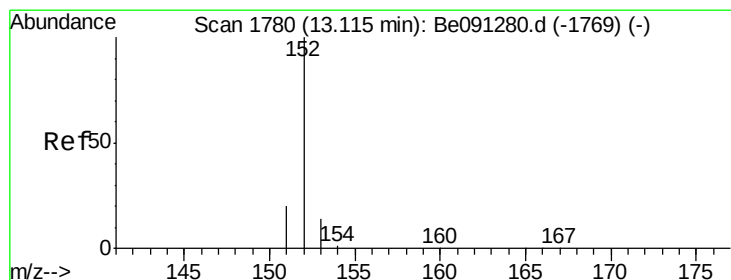
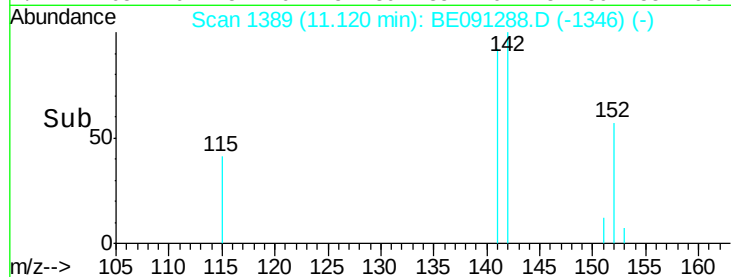
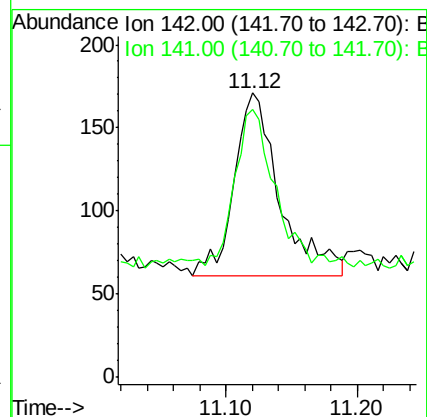
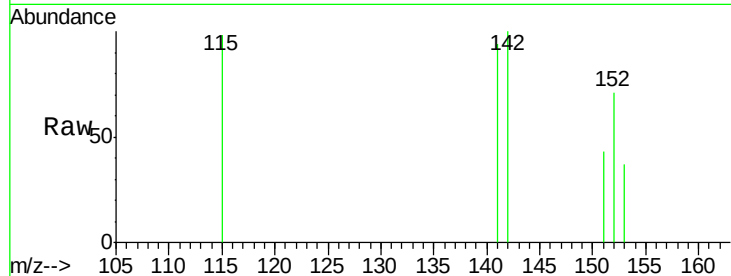
A4J69

Tgt Ion:142 Resp: 264

Ion Ratio Lower Upper

142 100

141 78.0 70.3 105.5



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

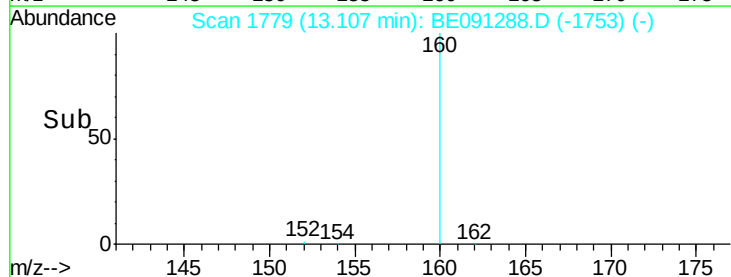
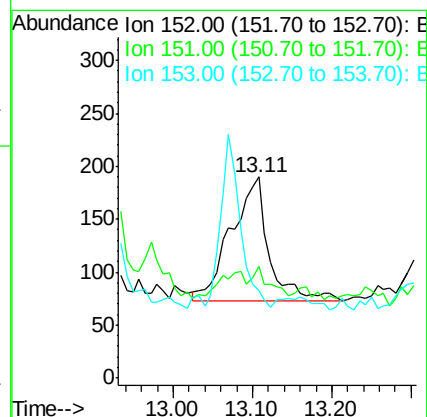
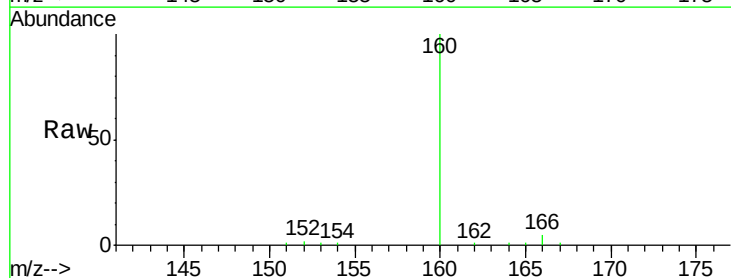
Tgt Ion:152 Resp: 388

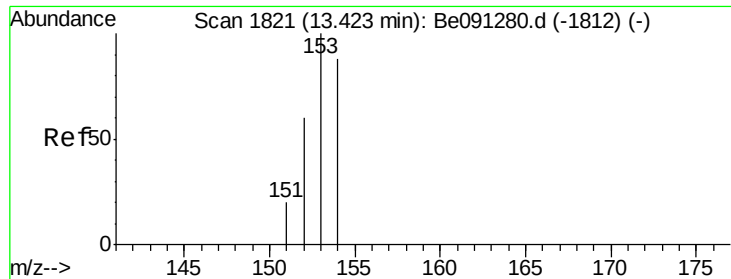
Ion Ratio Lower Upper

152 100

151 55.3 16.8 25.2#

153 43.7 11.3 16.9#





#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

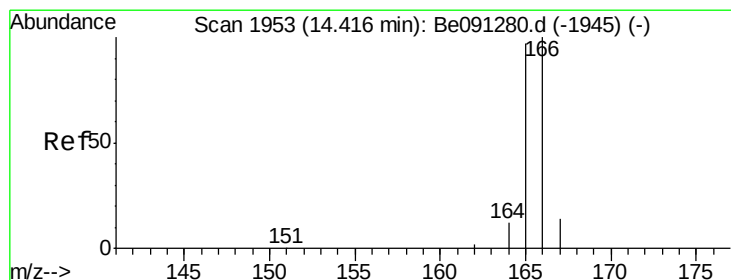
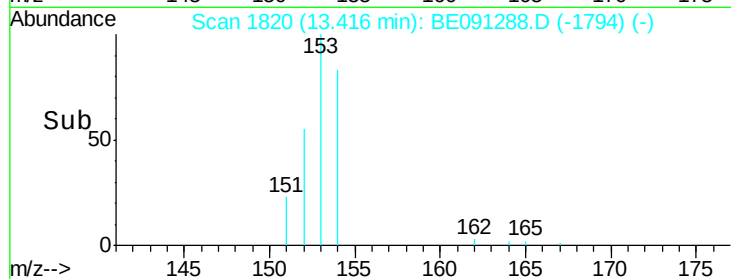
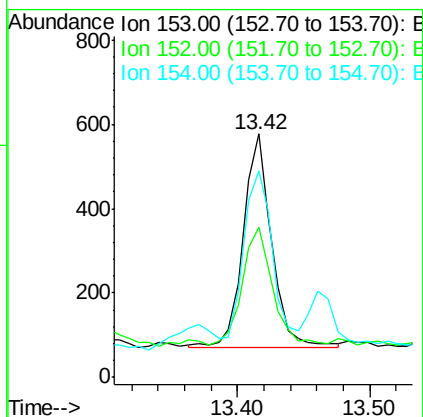
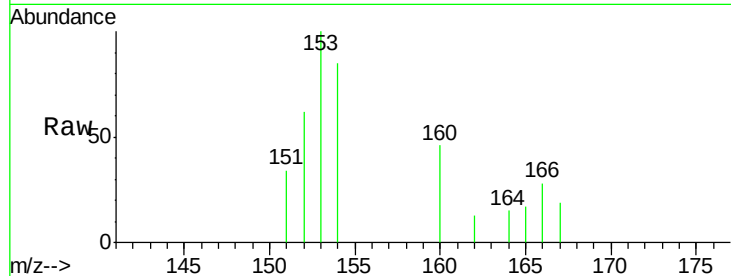
Tgt Ion:153 Resp: 760

Ion Ratio Lower Upper

153 100

152 61.5 42.3 63.5

154 85.1 64.7 97.1



#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

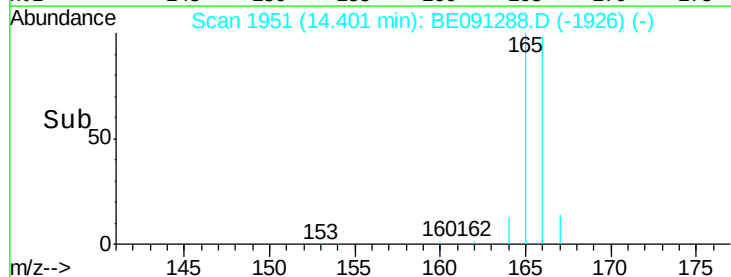
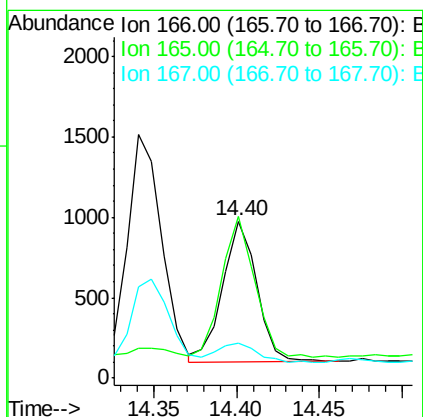
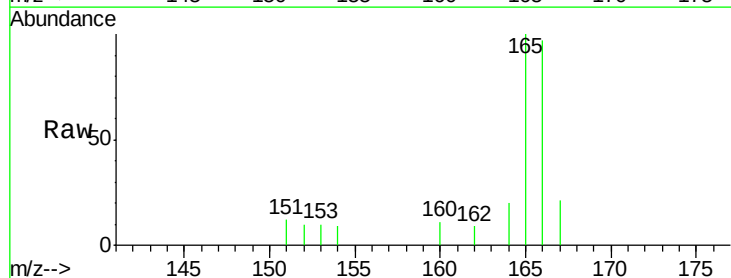
Tgt Ion:166 Resp: 1246

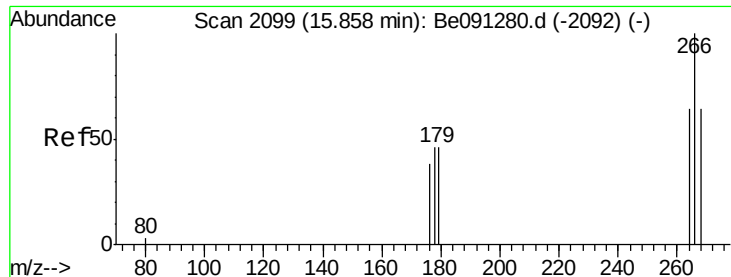
Ion Ratio Lower Upper

166 100

165 103.4 87.6 131.4

167 22.1 11.1 16.7#





#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 15.86 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

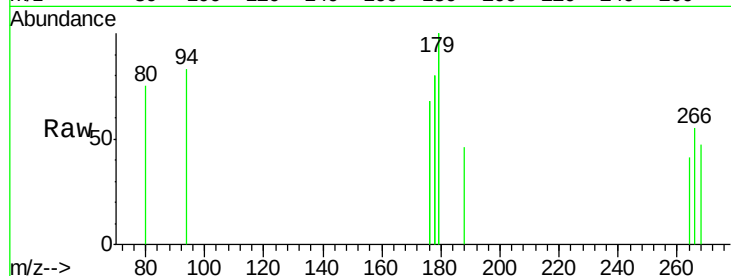
Tgt Ion: 266 Resp: 199

Ion Ratio Lower Upper

266 100

264 70.4 53.5 80.3

268 74.4 54.2 81.2



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

15.86

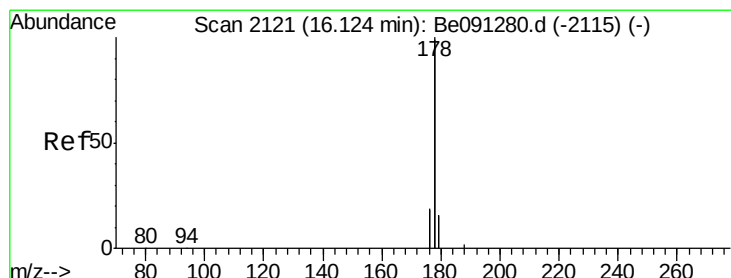
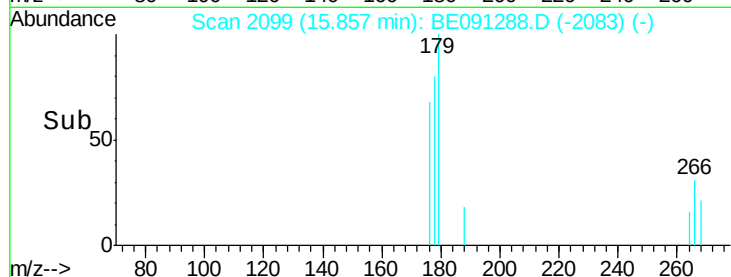
100

50

0

15.80 15.90 16.00

Time-->



#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

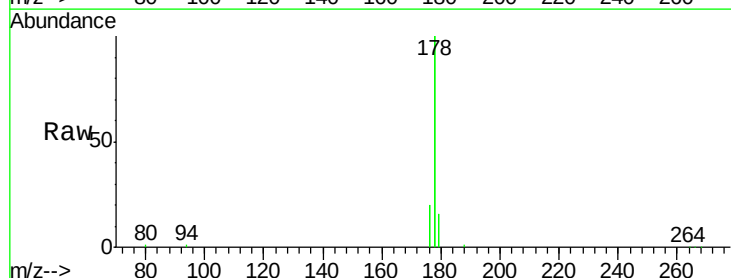
Tgt Ion: 178 Resp: 65310

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

179 16.0 12.8 19.2



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

16.11

60000

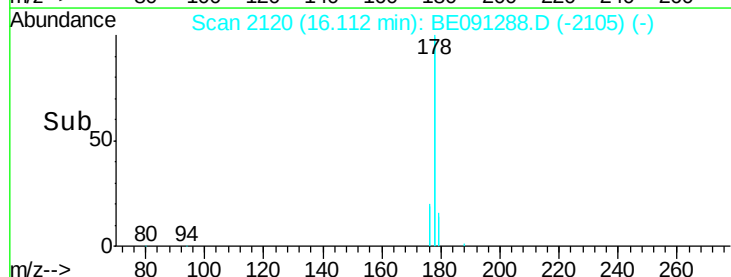
40000

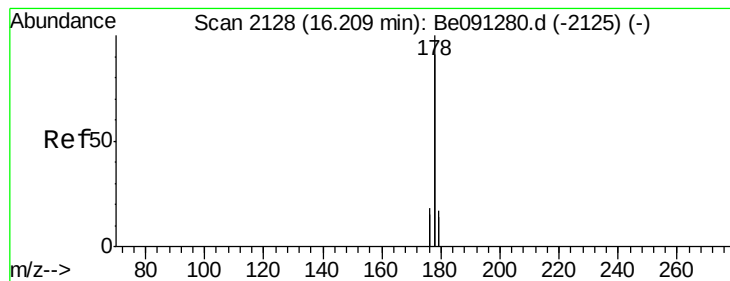
20000

0

16.00 16.05 16.10 16.15

Time-->





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

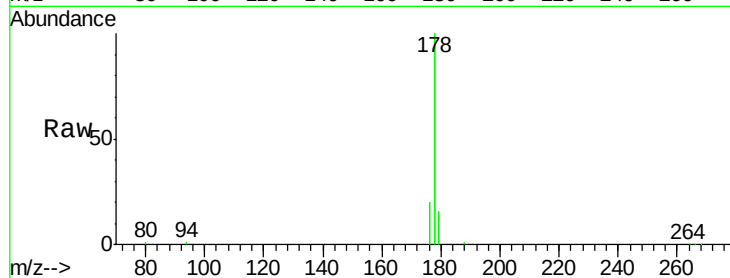
Tgt Ion:178 Resp: 48988

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

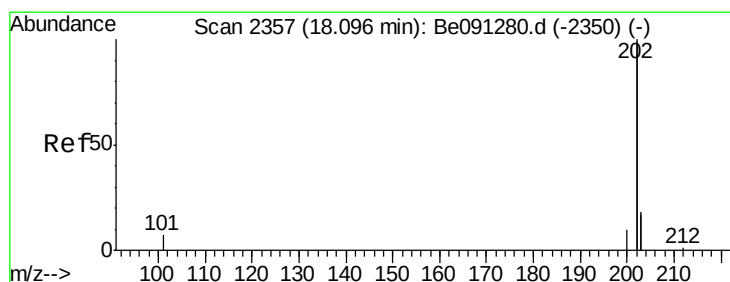
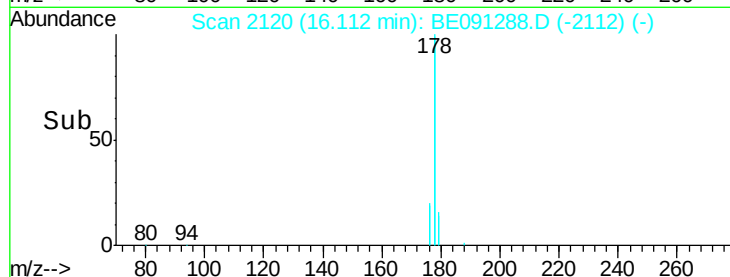
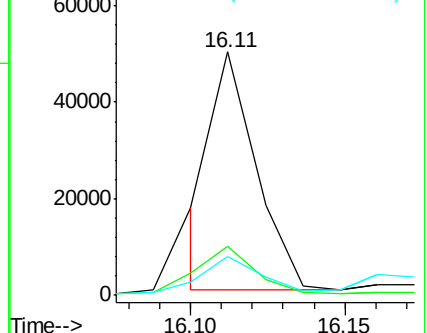
179 16.0 13.3 19.9



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: 0.00 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

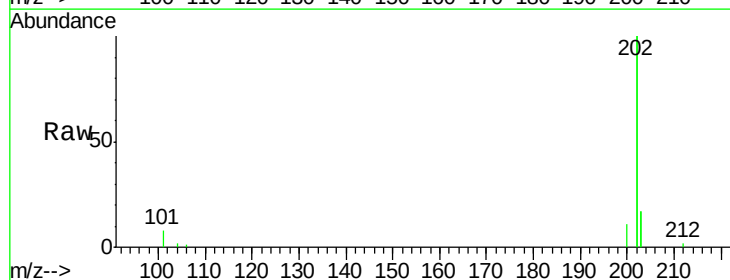
Tgt Ion:202 Resp: 63269

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

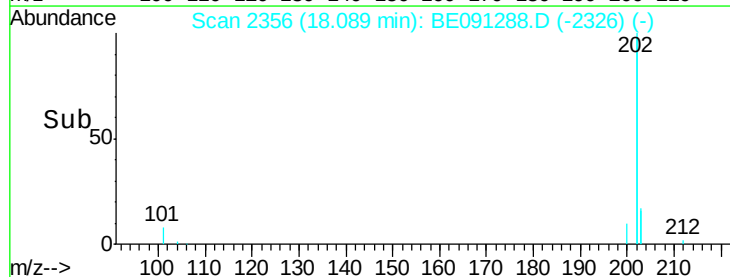
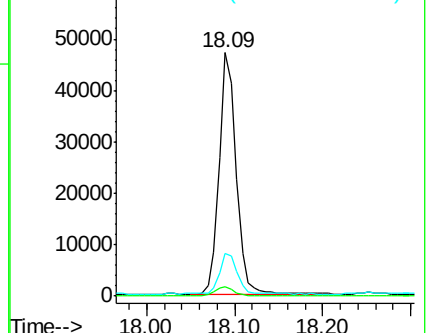
203 17.4 0.0 37.2

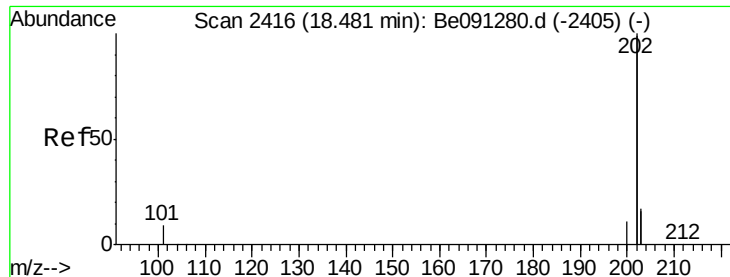


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.28 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

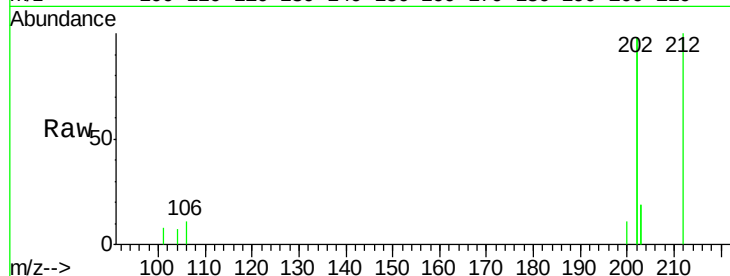
Tgt Ion:202 Resp: 61266

Ion Ratio Lower Upper

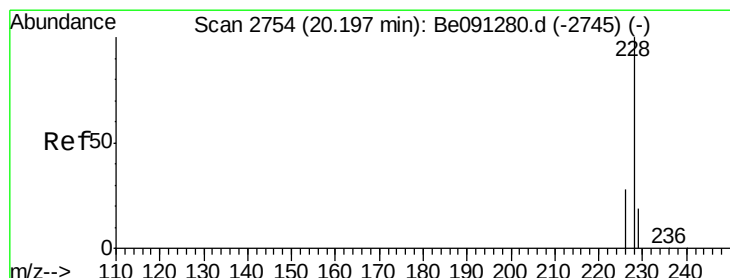
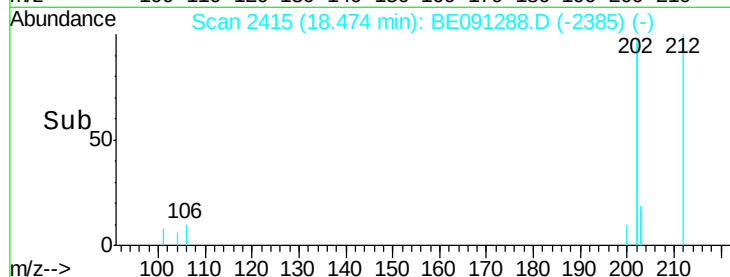
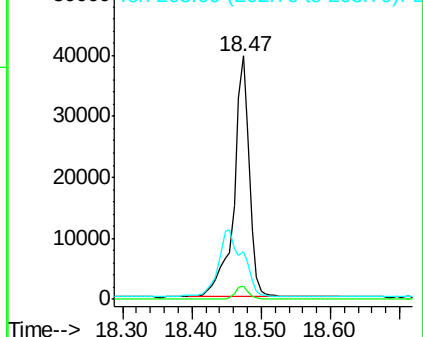
202 100

200 5.4 18.0 27.0#

203 19.6 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: 0.11 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

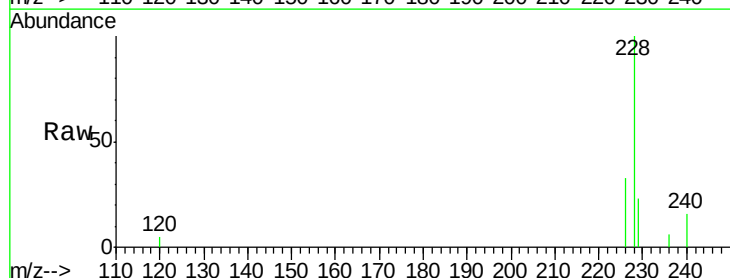
Tgt Ion:228 Resp: 5503

Ion Ratio Lower Upper

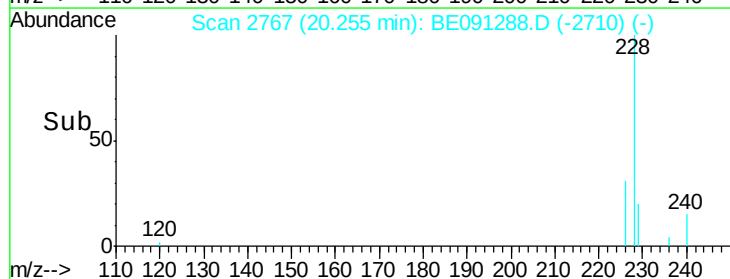
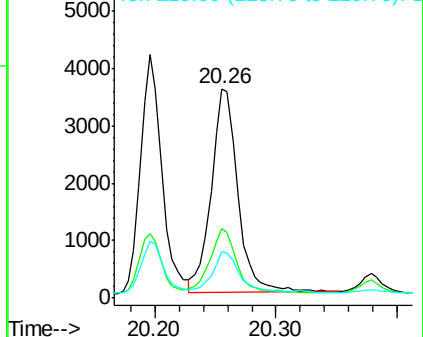
228 100

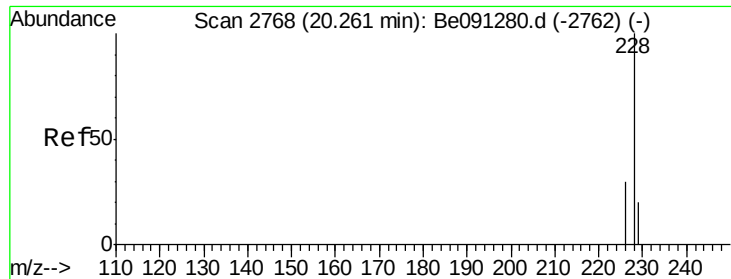
226 33.0 23.0 34.4

229 22.5 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: 0.10 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampled :

A4J69

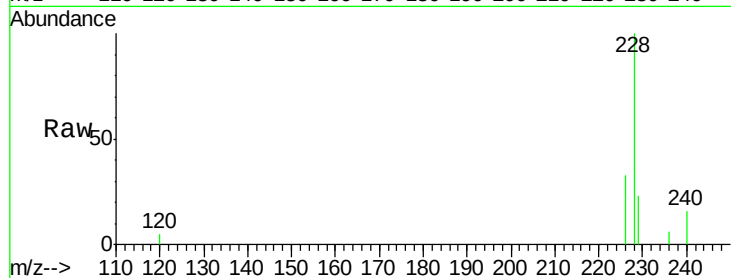
Tgt Ion:228 Resp: 5599

Ion Ratio Lower Upper

228 100

226 33.0 25.7 38.5

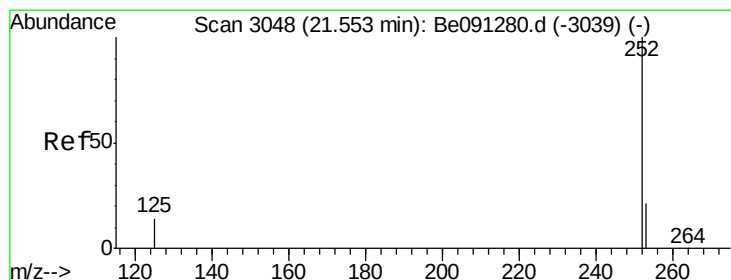
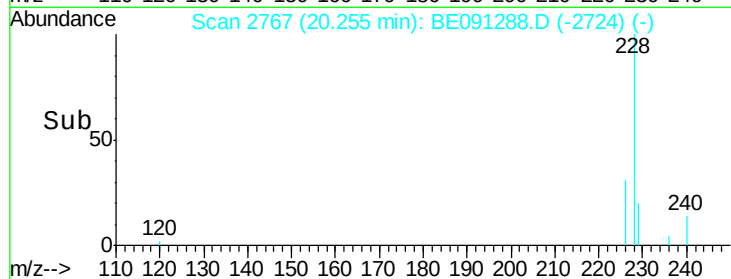
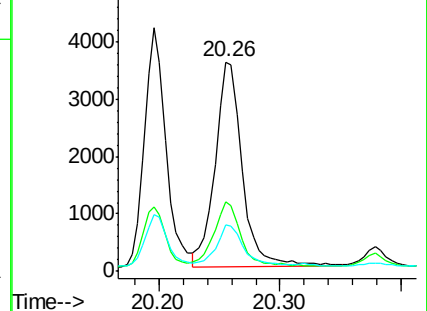
229 22.5 15.2 22.8



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: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

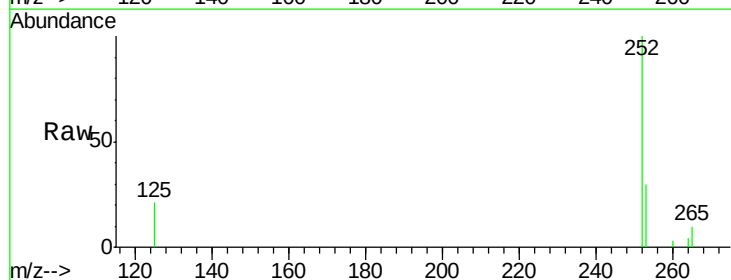
Tgt Ion:252 Resp: 3747

Ion Ratio Lower Upper

252 100

253 29.5 0.0 48.0

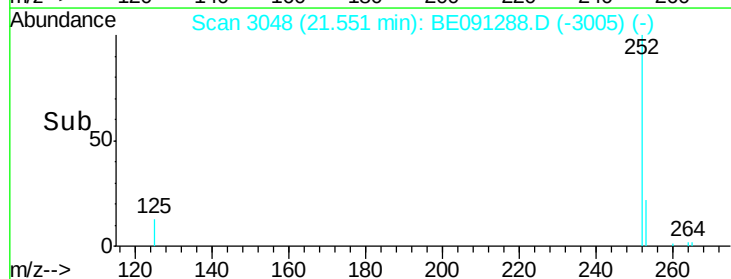
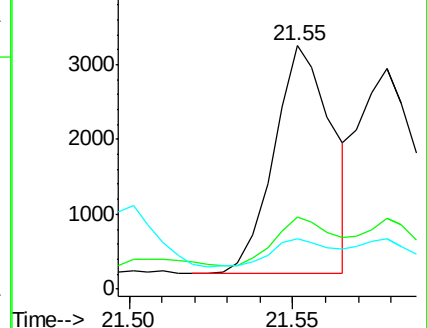
125 20.5 0.0 36.6

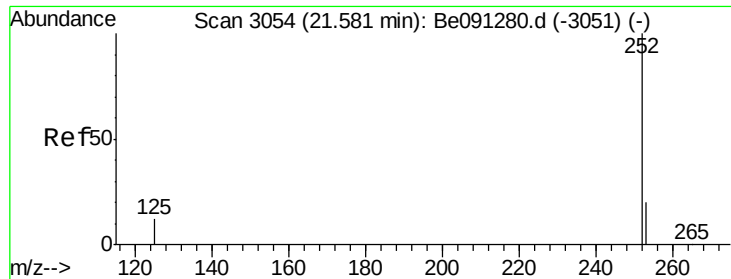


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.03 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

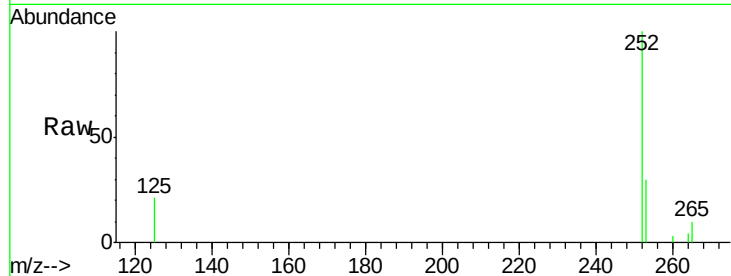
Tgt Ion:252 Resp: 3747

Ion Ratio Lower Upper

252 100

253 29.5 20.8 31.2

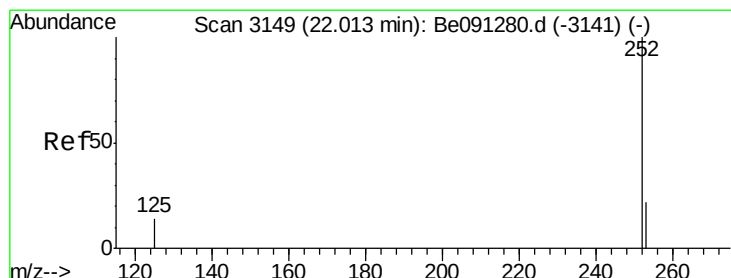
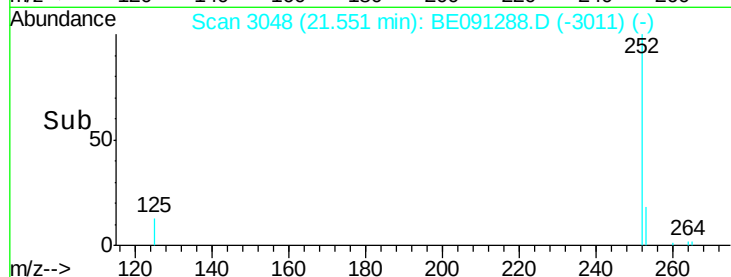
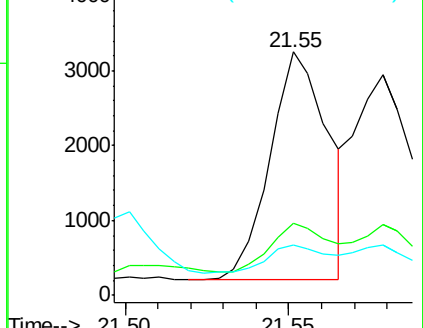
125 20.5 12.2 18.4#



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: 0.00 ng/ul

RT: 21.95 min Scan# 3135

Delta R.T. -0.07 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

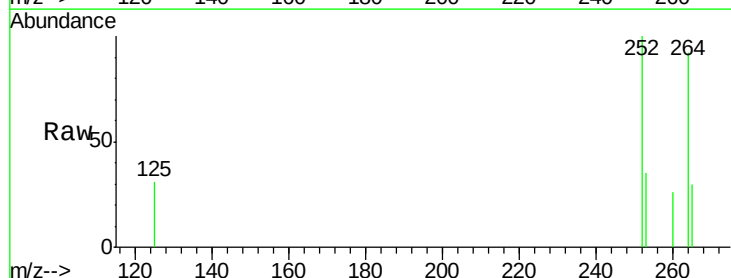
Tgt Ion:252 Resp: 2611

Ion Ratio Lower Upper

252 100

253 34.6 21.8 32.8#

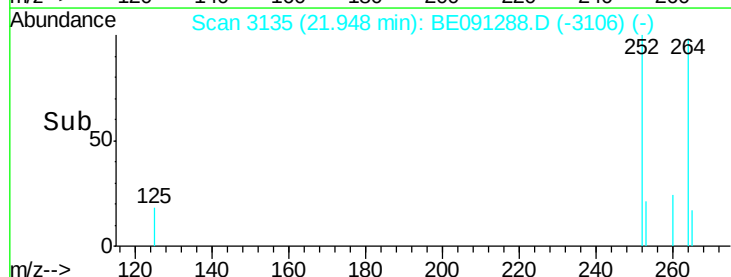
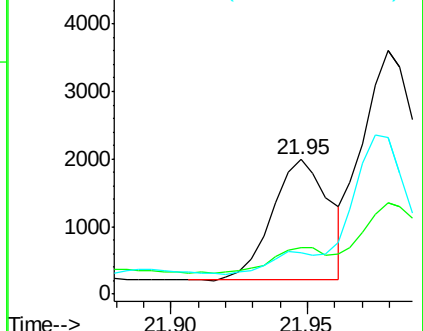
125 31.1 14.5 21.7#

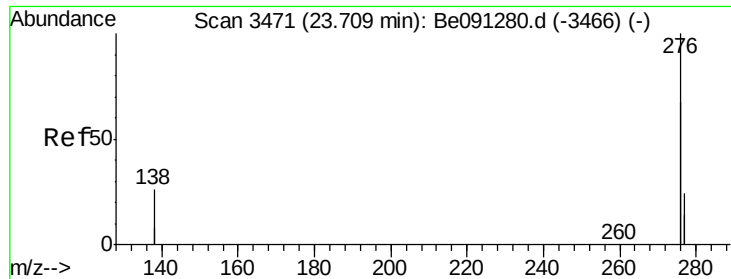


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.71 min Scan# 3472

Delta R.T. 0.00 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

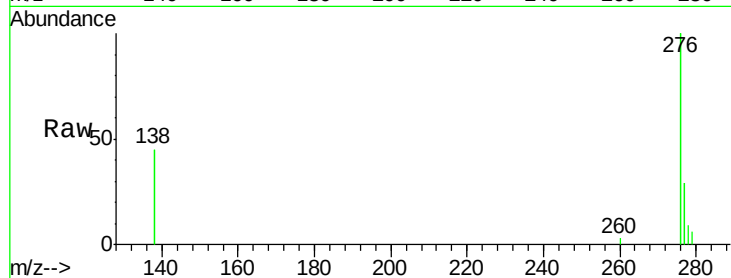
Tgt Ion:276 Resp: 8727

Ion Ratio Lower Upper

276 100

138 28.8 27.5 41.3

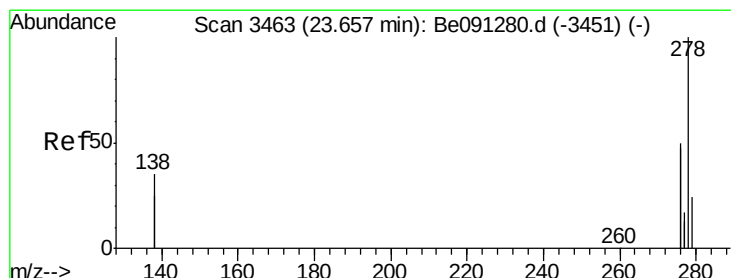
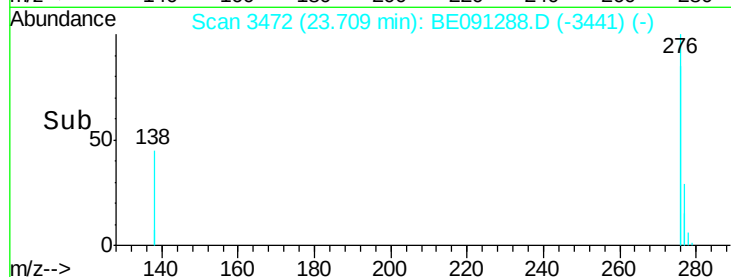
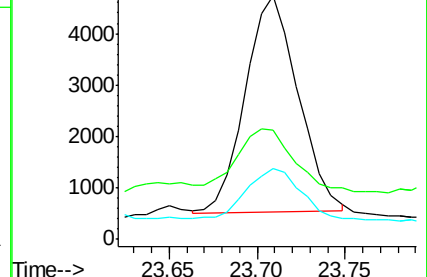
277 23.4 19.3 28.9



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: 0.00 ng/ul

RT: 23.57 min Scan# 3450

Delta R.T. -0.09 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

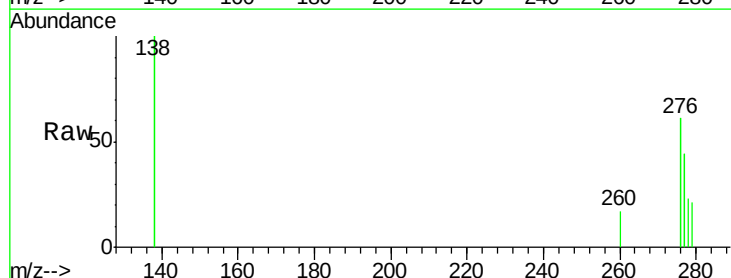
Tgt Ion:278 Resp: 51

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

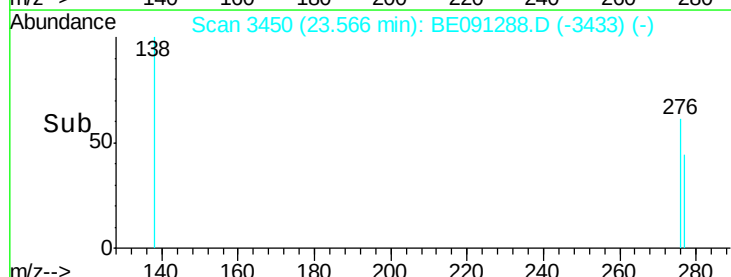
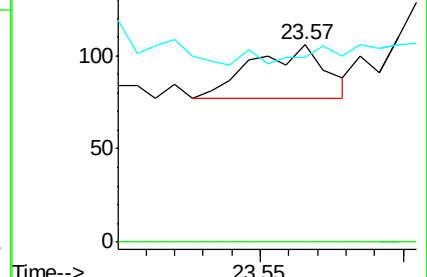
279 93.4 21.9 32.9#

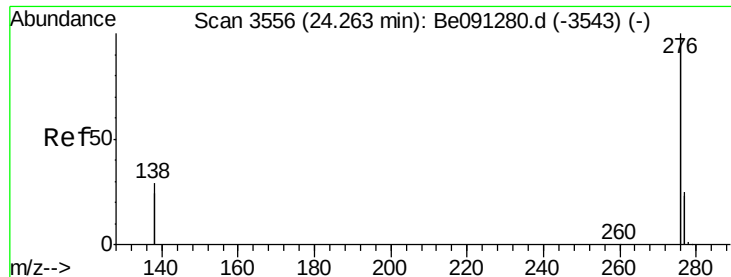


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE091288.D

Acq: 21 Nov 2015 22:19

Instrument :

BNA_E

ClientSampleId :

A4J69

Tgt Ion:276 Resp: 9738

Ion Ratio Lower Upper

276 100

277 32.1 21.3 31.9#

138 46.8 25.5 38.3#

