

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091282.D
 Acq On : 21 Nov 2015 18:41
 Operator : UM/NP
 Sample : G4345-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J63

Quant Time: Nov 22 02:01:38 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 : 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	2646	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.54	136	12597	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7182	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	682462	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	21128	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	23558	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	16023	8.42	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	3600	0.21	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	7616	0.00	ng/ul	0.00

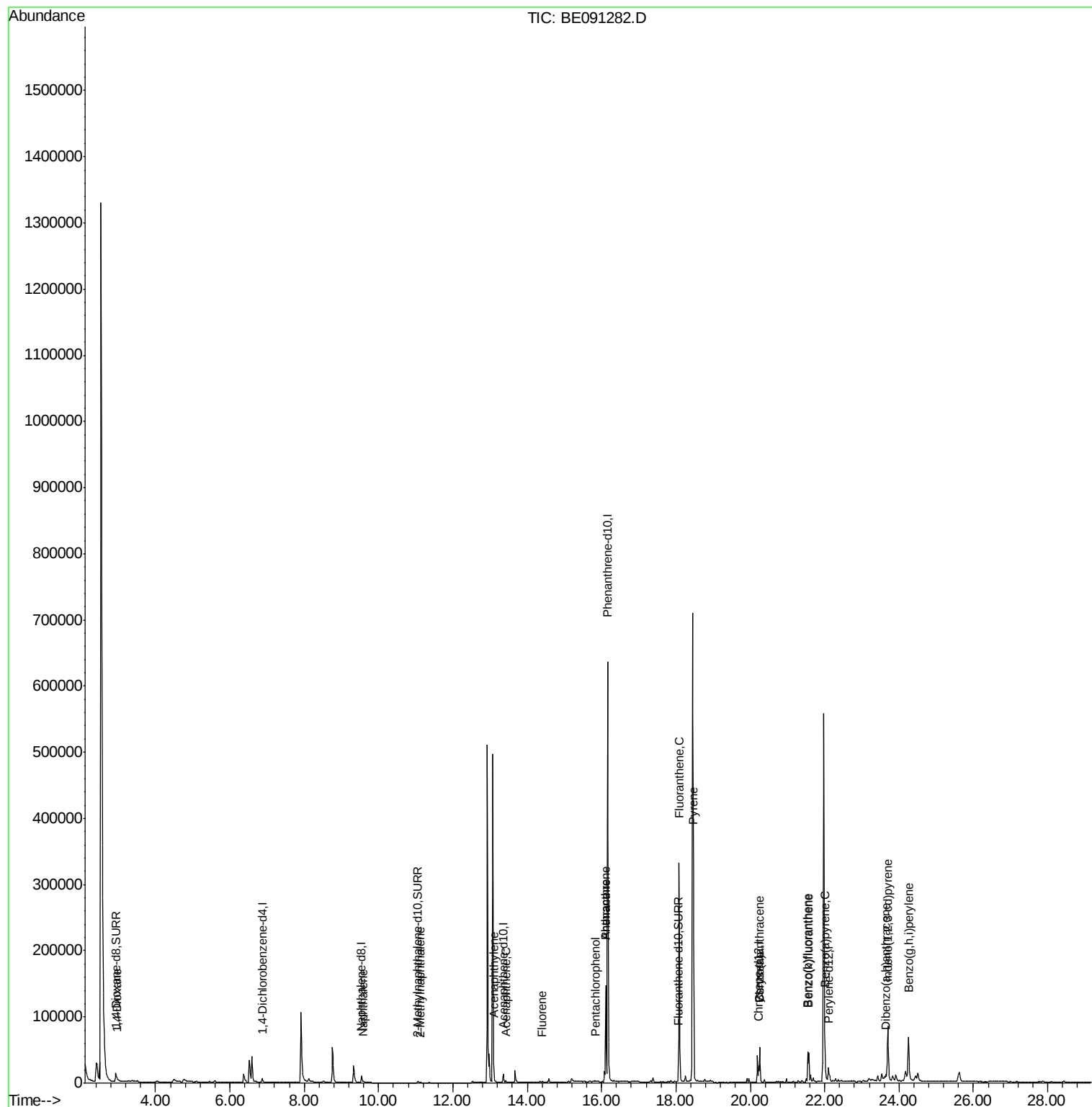
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.96	88	54	0.03	ng/ul#	24
5) Naphthalene	9.59	128	3131	0.10	ng/ul#	93
7) 2-Methylnaphthalene	11.12	142	620	0.03	ng/ul	94
9) Acenaphthylene	13.11	152	4264	0.12	ng/ul	99
10) Acenaphthene	13.42	153	683	0.03	ng/ul#	79
11) Fluorene	14.40	166	1348	0.04	ng/ul#	91
13) Pentachlorophenol	15.84	266	238	0.00	ng/ul	95
14) Phenanthrene	16.11	178	139729	0.02	ng/ul	99
15) Anthracene	16.11	178	113768	0.02	ng/ul	98
17) Fluoranthene	18.09	202	354721	0.04	ng/ul	90
19) Pyrene	18.47	202	317441	1.32	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	48123	0.89	ng/ul	96
21) Chrysene	20.26	228	48685	0.78	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	40432	0.55	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	42911	0.57	ng/ul	96
25) Benzo(a)pyrene	22.01	252	39890	0.59	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.70	276	111110	0.39	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.65	278	9244	0.14	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	108156	0.36	ng/ul	99

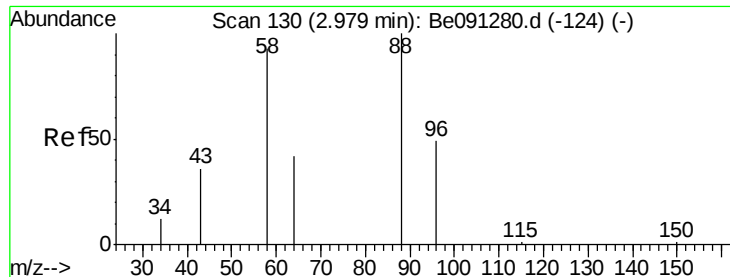
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 2.96 min Scan# 127

Delta R.T. -0.02 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampled :

A4J63

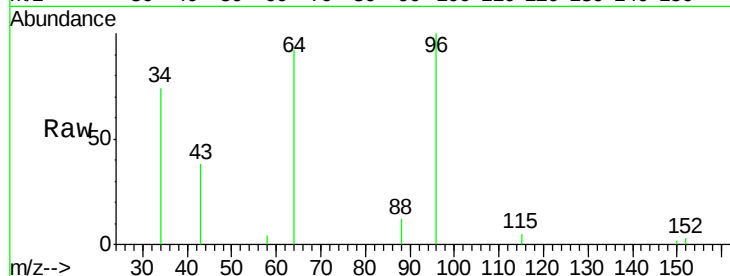
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

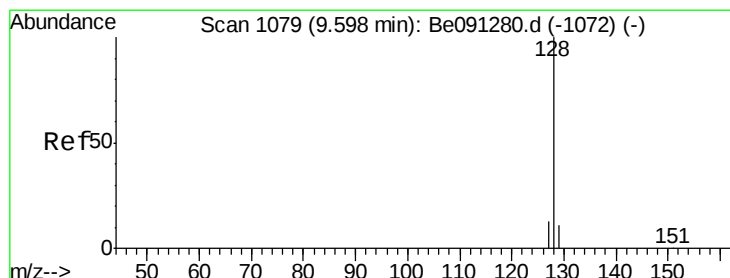
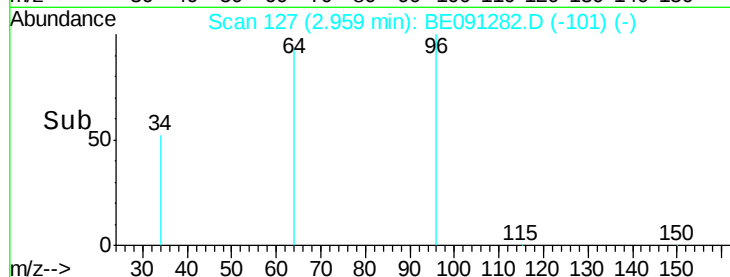
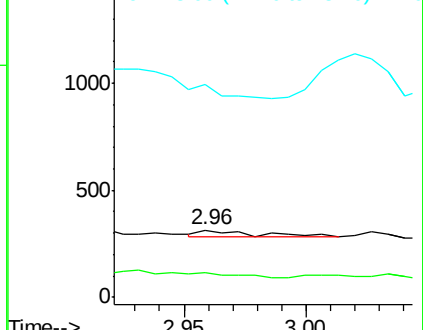
88 100

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: 0.10 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

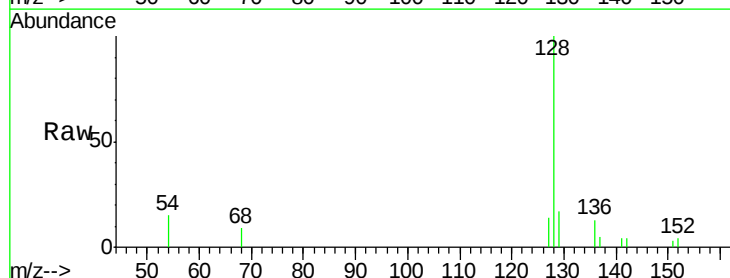
Tgt Ion: 128 Resp: 3131

Ion Ratio Lower Upper

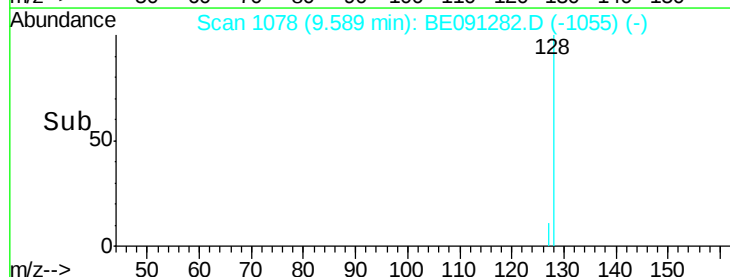
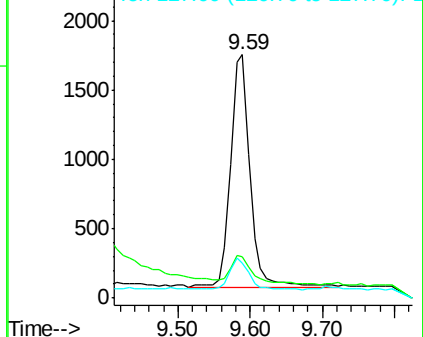
128 100

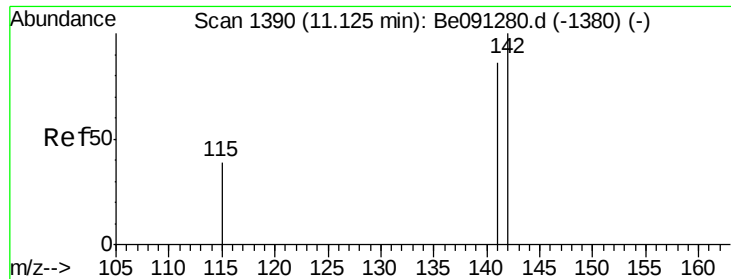
129 16.9 9.8 14.8#

127 14.4 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: 0.03 ng/ul

RT: 11.12 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

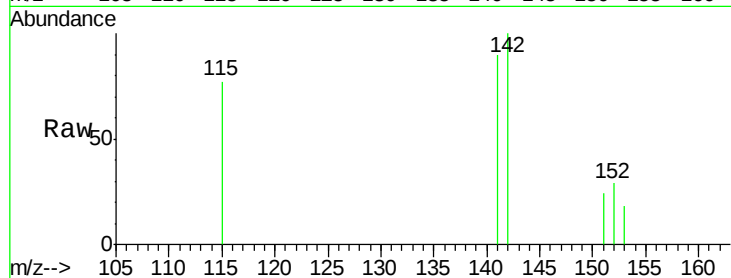
A4J63

Tgt Ion:142 Resp: 620

Ion Ratio Lower Upper

142 100

141 93.7 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

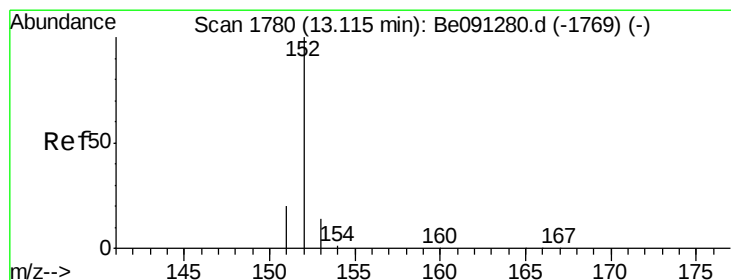
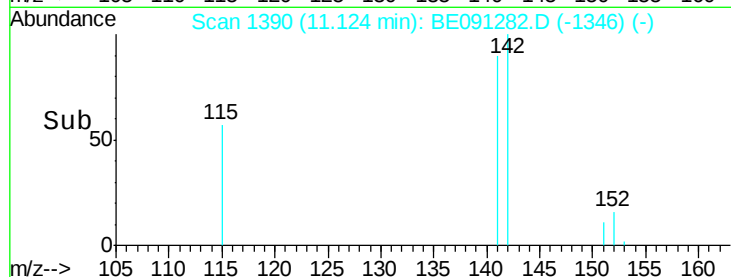
300

200

100

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

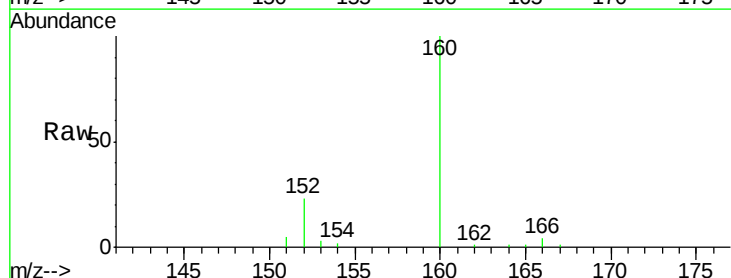
Tgt Ion:152 Resp: 4264

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

153 15.0 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

13.11

3000

2500

2000

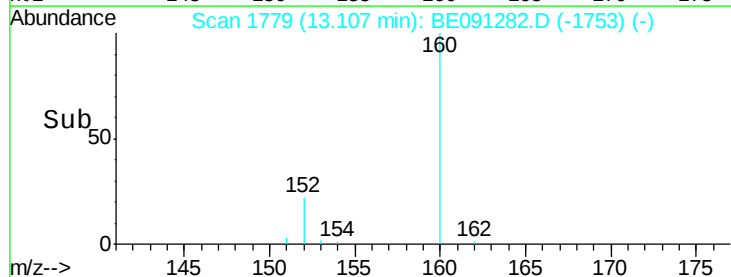
1500

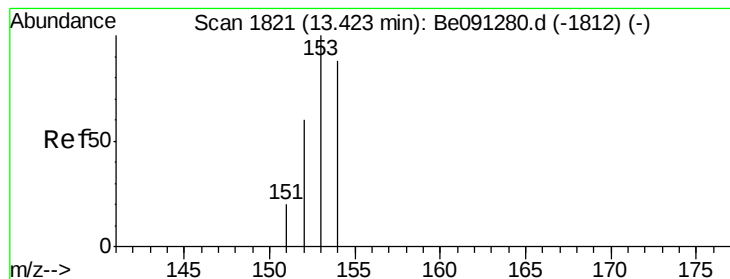
1000

500

0

Time--> 13.00 13.10 13.20





#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

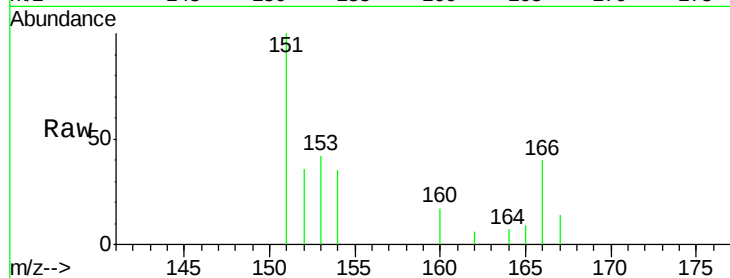
Tgt Ion:153 Resp: 683

Ion Ratio Lower Upper

153 100

152 86.1 42.3 63.5#

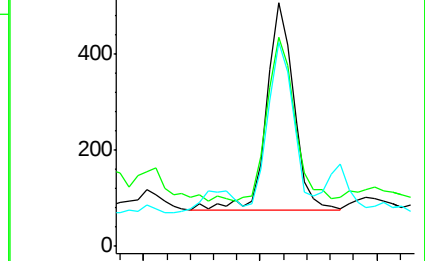
154 84.0 64.7 97.1



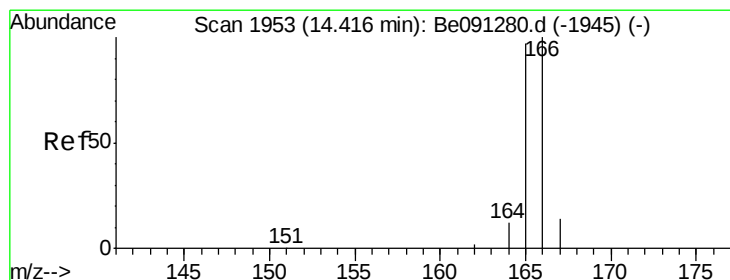
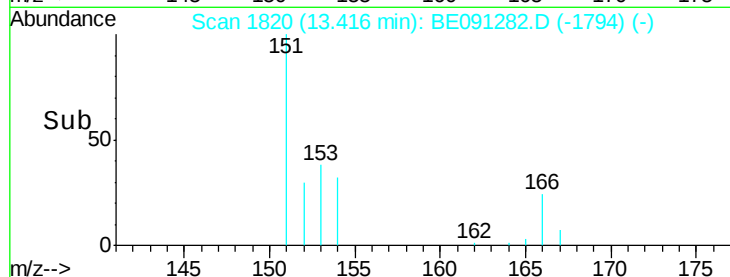
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.04 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

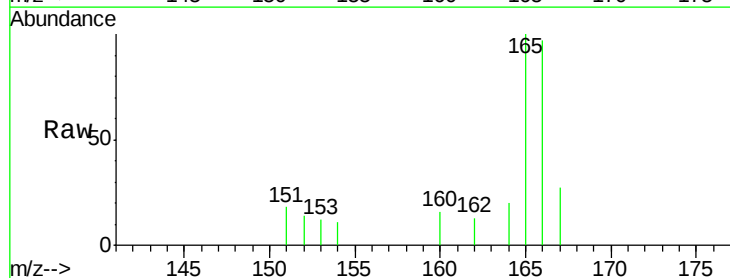
Tgt Ion:166 Resp: 1348

Ion Ratio Lower Upper

166 100

165 103.0 87.6 131.4

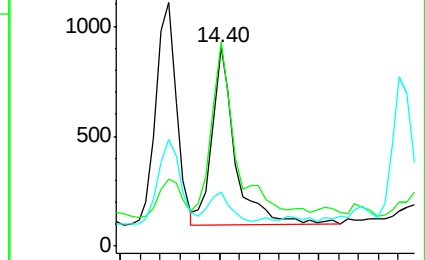
167 27.4 11.1 16.7#



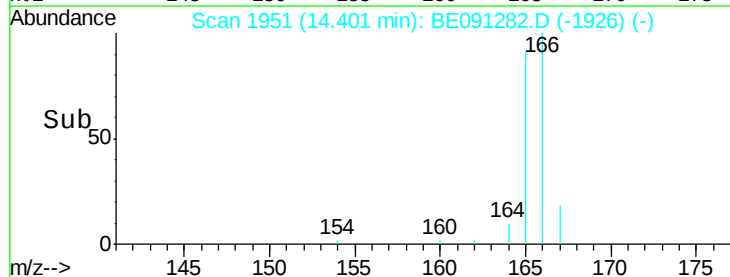
Abundance Ion 166.00 (165.70 to 166.70): E

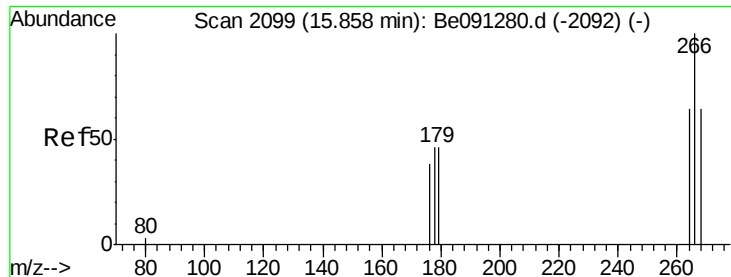
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

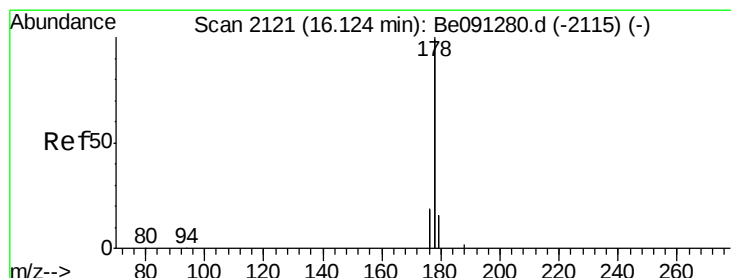
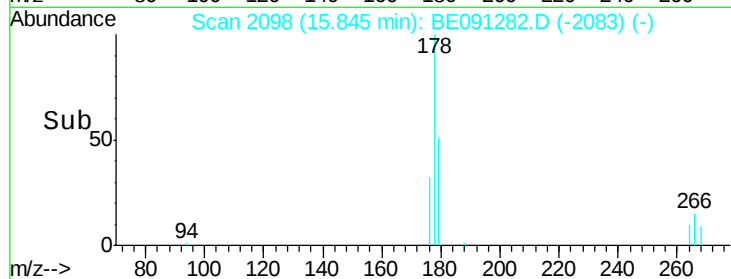
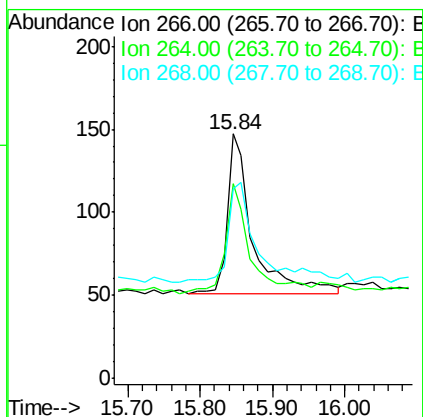
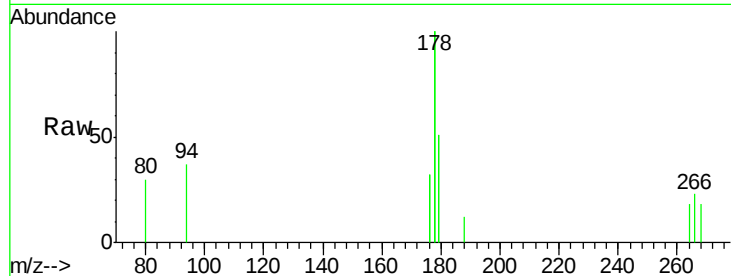




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.84 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091282.D
 Acq: 21 Nov 2015 18:41

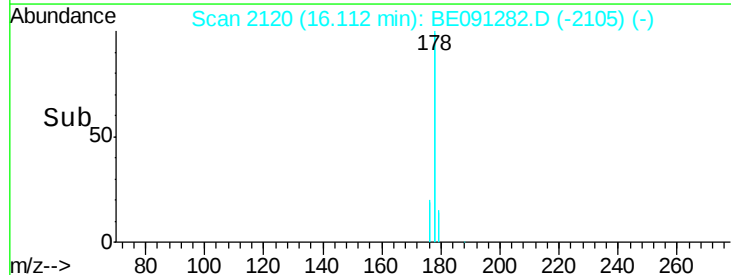
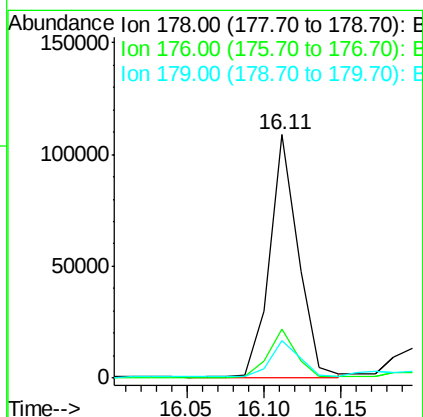
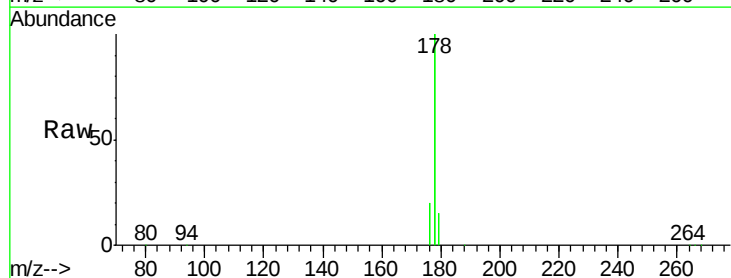
Instrument :
 BNA_E
 ClientSampleId :
 A4J63

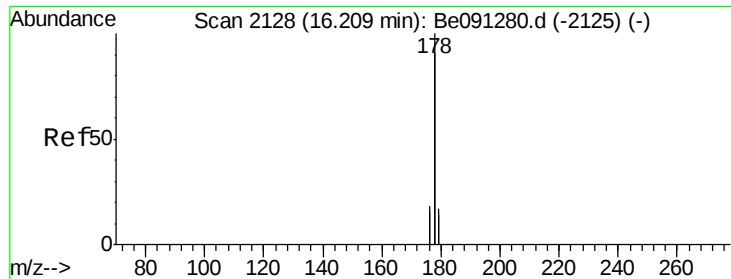
Tgt Ion: 266 Resp: 238
 Ion Ratio Lower Upper
 266 100
 264 68.9 53.5 80.3
 268 73.1 54.2 81.2



#14
 Phenanthrene
 Concen: 0.02 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091282.D
 Acq: 21 Nov 2015 18:41

Tgt Ion: 178 Resp: 139729
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.3 12.8 19.2





#15

Anthracene

Concen: 0.02 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

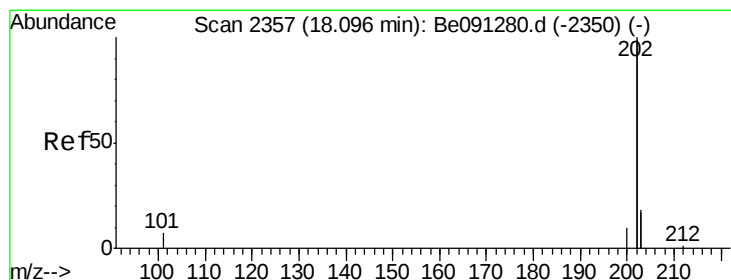
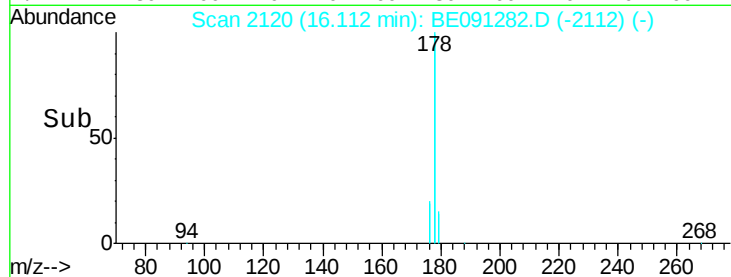
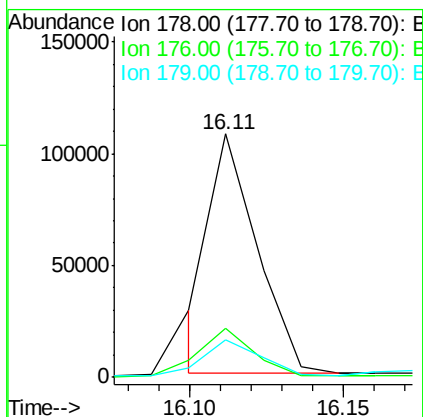
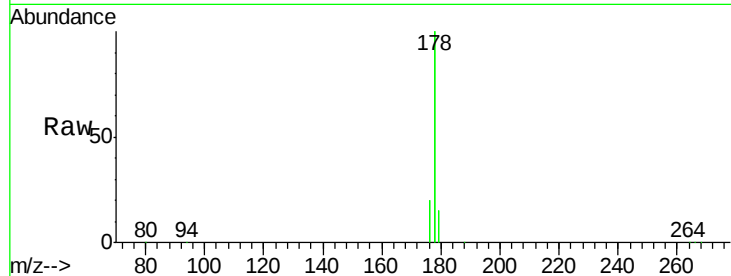
Tgt Ion:178 Resp: 113768

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

179 15.3 13.3 19.9



#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

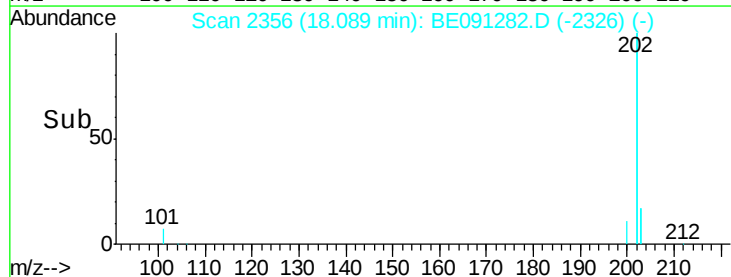
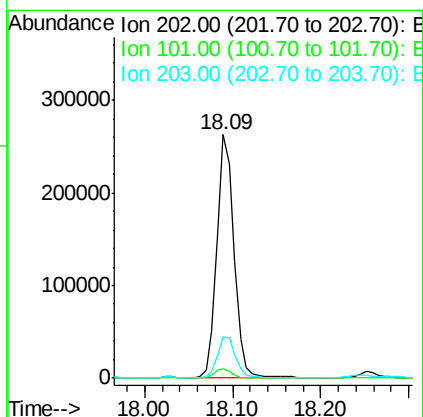
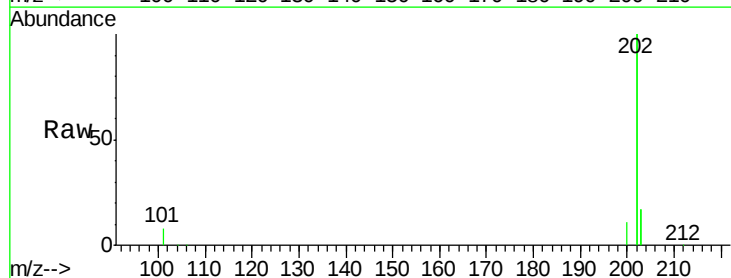
Tgt Ion:202 Resp: 354721

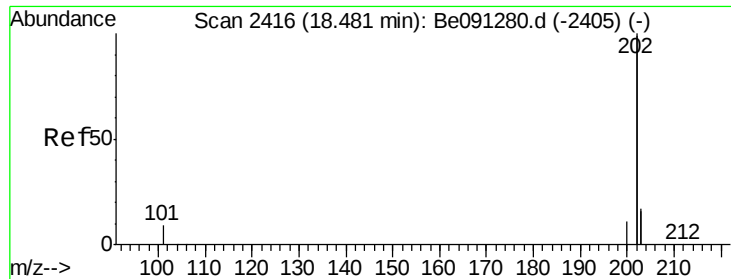
Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

203 17.2 0.0 37.2





#19

Pyrene

Concen: 1.32 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

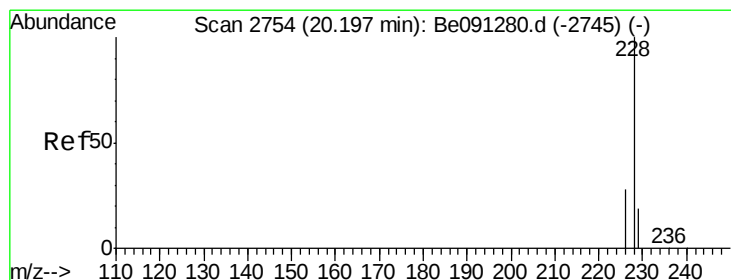
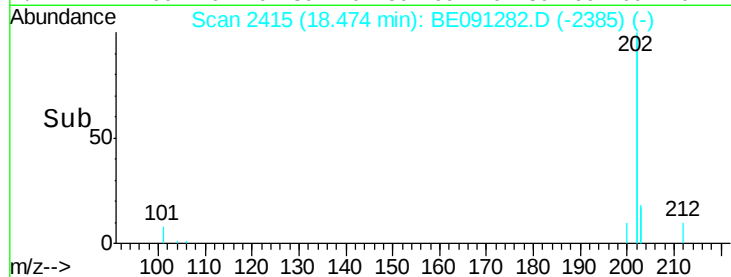
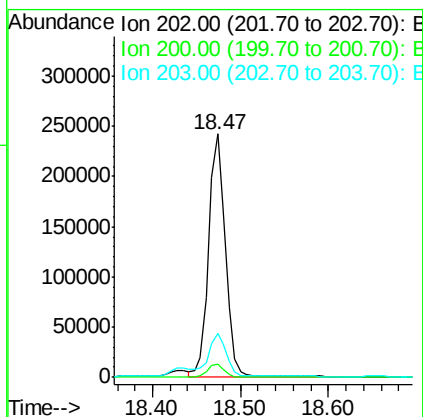
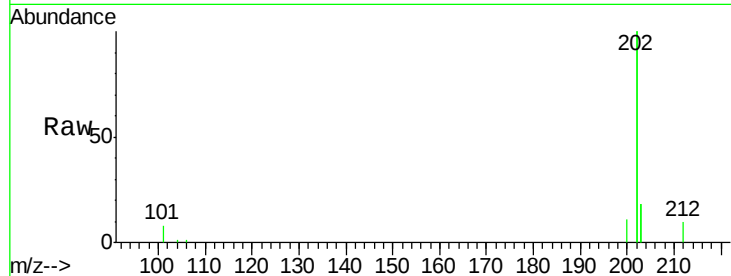
Tgt Ion:202 Resp: 317441

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

203 18.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.89 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

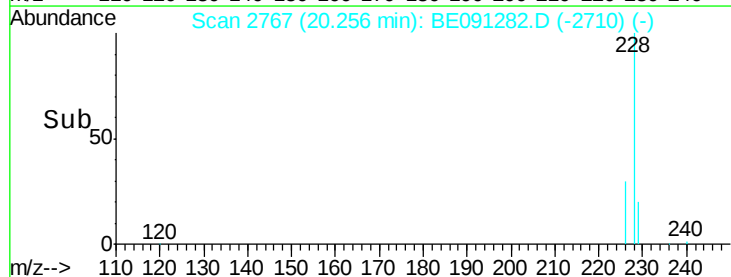
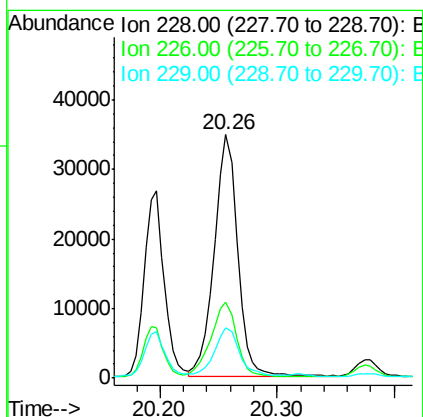
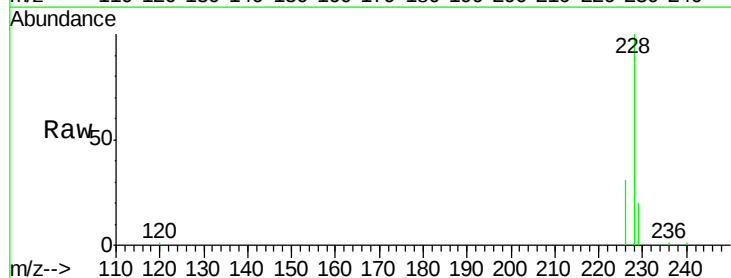
Tgt Ion:228 Resp: 48123

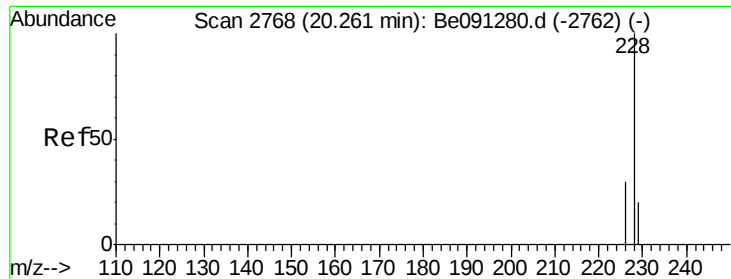
Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 20.5 15.2 22.8





#21

Chrysene

Concen: 0.78 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

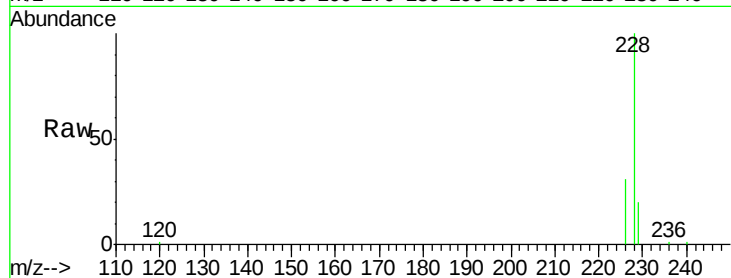
Tgt Ion:228 Resp: 48685

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

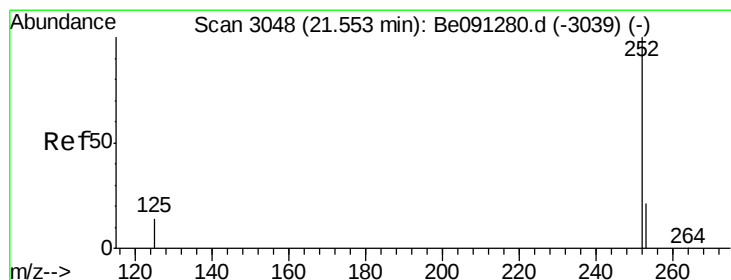
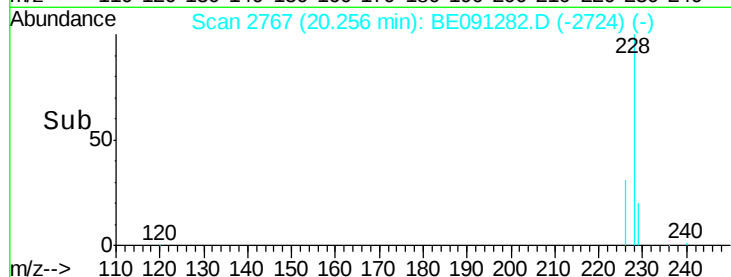
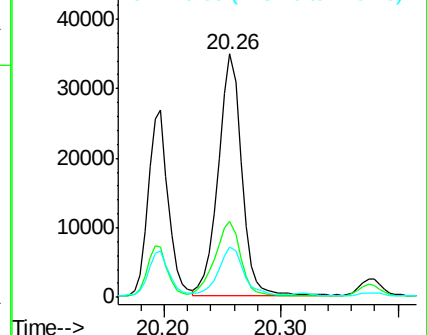
229 20.5 15.2 22.8



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: 0.55 ng/ul

RT: 21.55 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

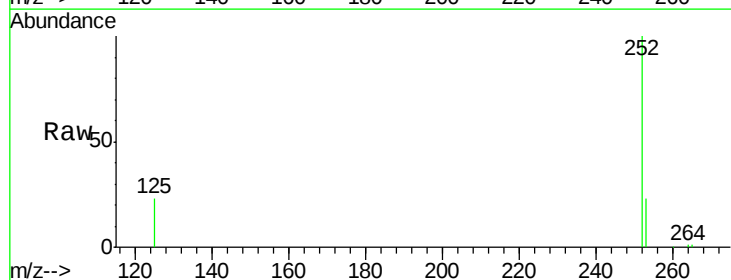
Tgt Ion:252 Resp: 40432

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

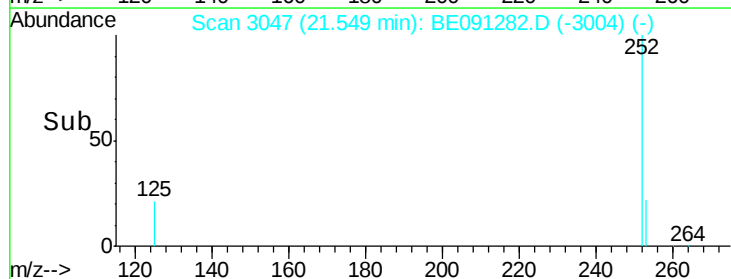
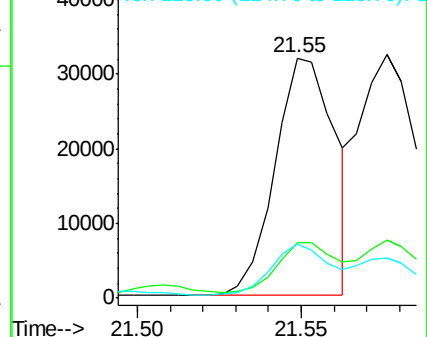
125 22.6 0.0 36.6

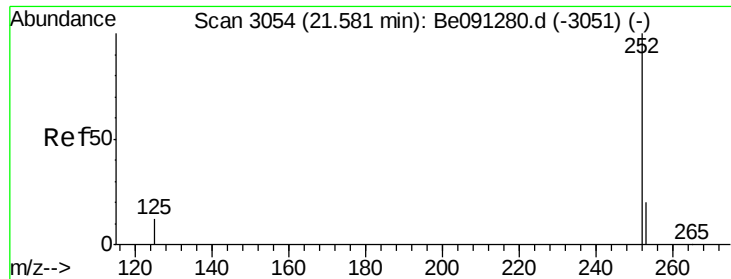


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.57 ng/ul

RT: 21.58 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

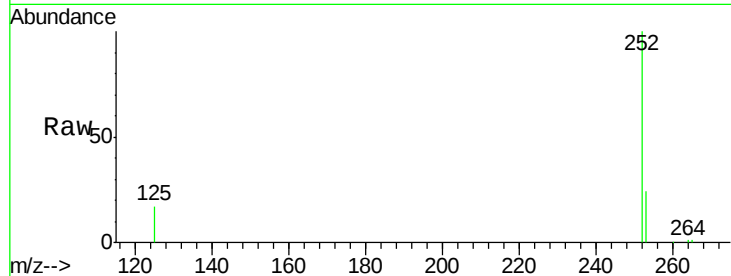
Tgt Ion:252 Resp: 42911

Ion Ratio Lower Upper

252 100

253 23.7 20.8 31.2

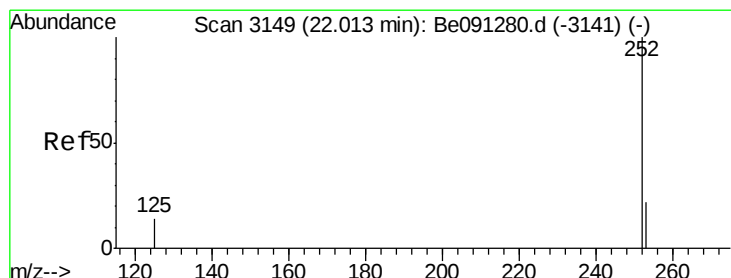
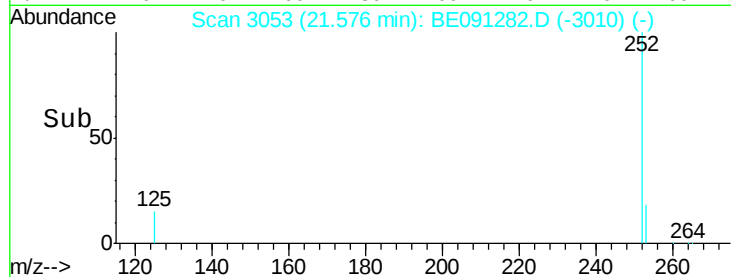
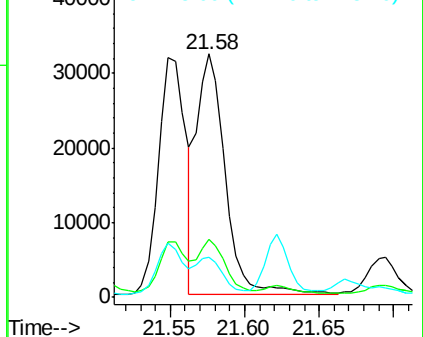
125 16.6 12.2 18.4



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: 0.59 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

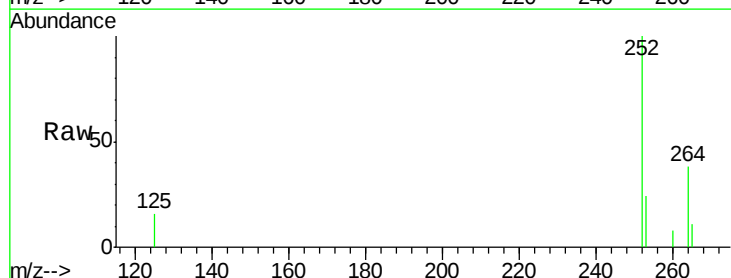
Tgt Ion:252 Resp: 39890

Ion Ratio Lower Upper

252 100

253 23.5 21.8 32.8

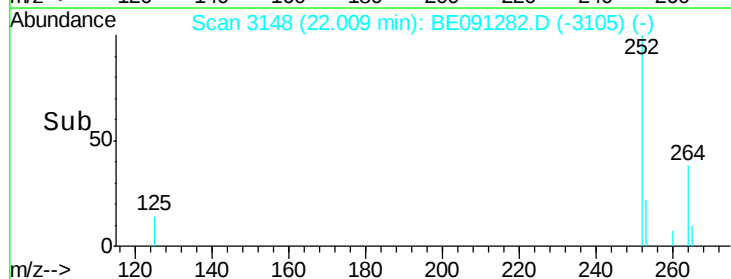
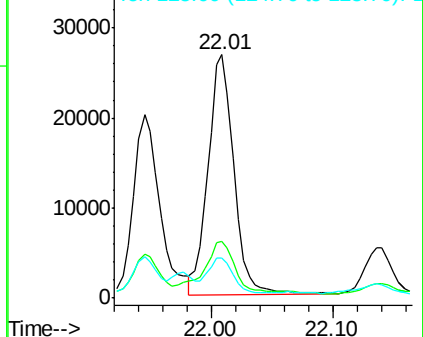
125 16.4 14.5 21.7

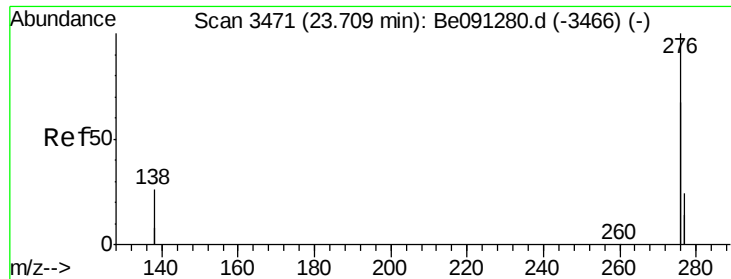


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.39 ng/ul

RT: 23.70 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

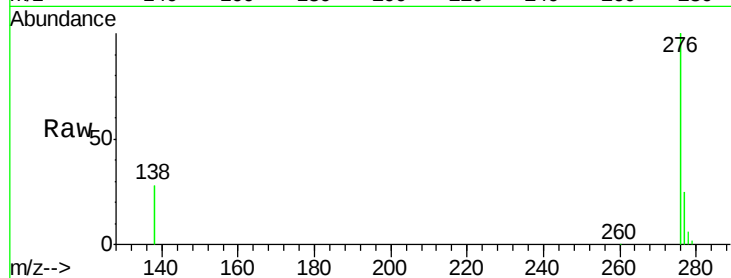
Tgt Ion:276 Resp: 111110

Ion Ratio Lower Upper

276 100

138 26.3 27.5 41.3#

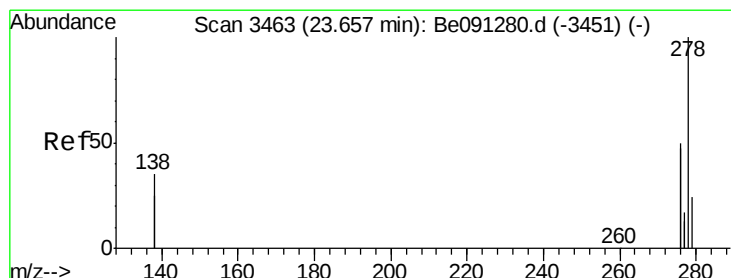
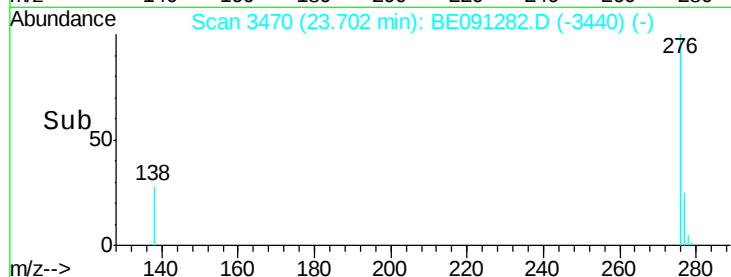
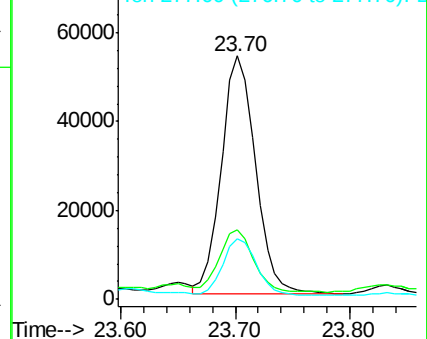
277 24.0 19.3 28.9



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: 0.14 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

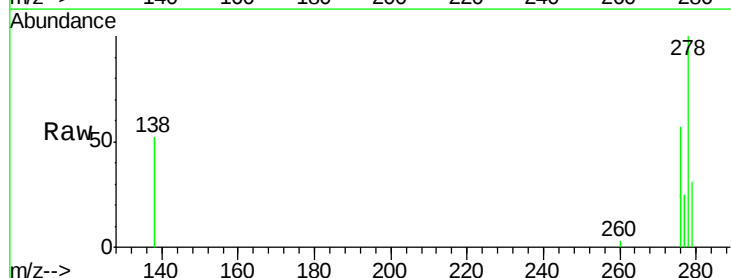
Tgt Ion:278 Resp: 9244

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

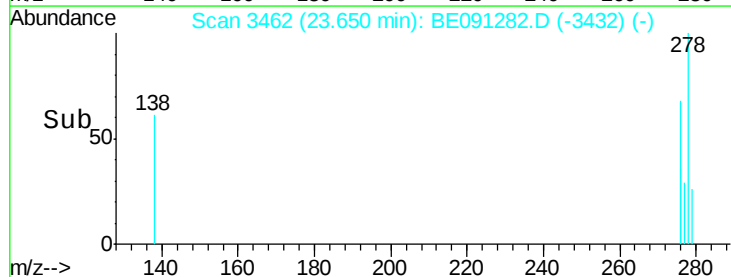
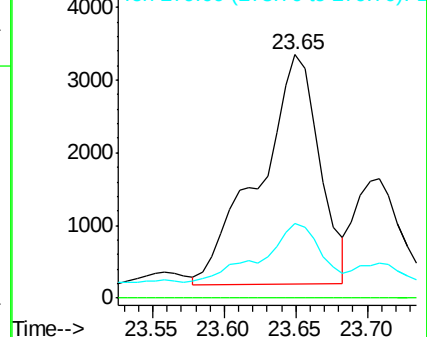
279 30.5 21.9 32.9

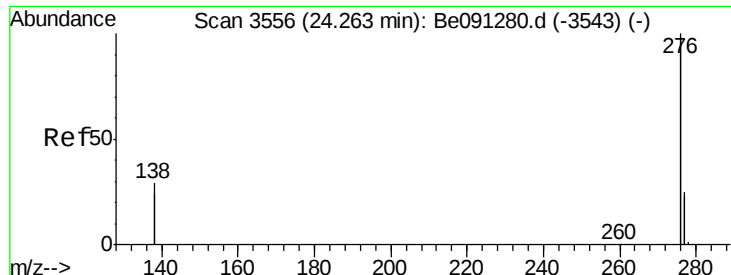


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.36 ng/ul

RT: 24.26 min Scan# 3555

Delta R.T. -0.01 min

Lab File: BE091282.D

Acq: 21 Nov 2015 18:41

Instrument :

BNA_E

ClientSampleId :

A4J63

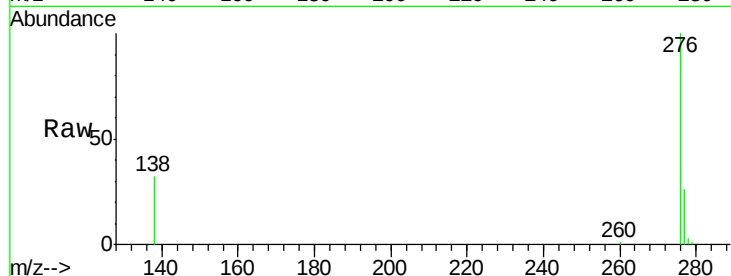
Tgt Ion: 276 Resp: 108156

Ion Ratio Lower Upper

276 100

277 25.8 21.3 31.9

138 31.8 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

