

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091286.D
 Acq On : 21 Nov 2015 21:07
 Operator : UM/NP
 Sample : G4345-22
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J67

Quant Time: Nov 22 02:03:09 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	2730	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13370	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7964	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.07	188	19450	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	23633	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	24339	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	14808	7.54	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	3441	0.19	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	7838	0.14	ng/ul	0.00

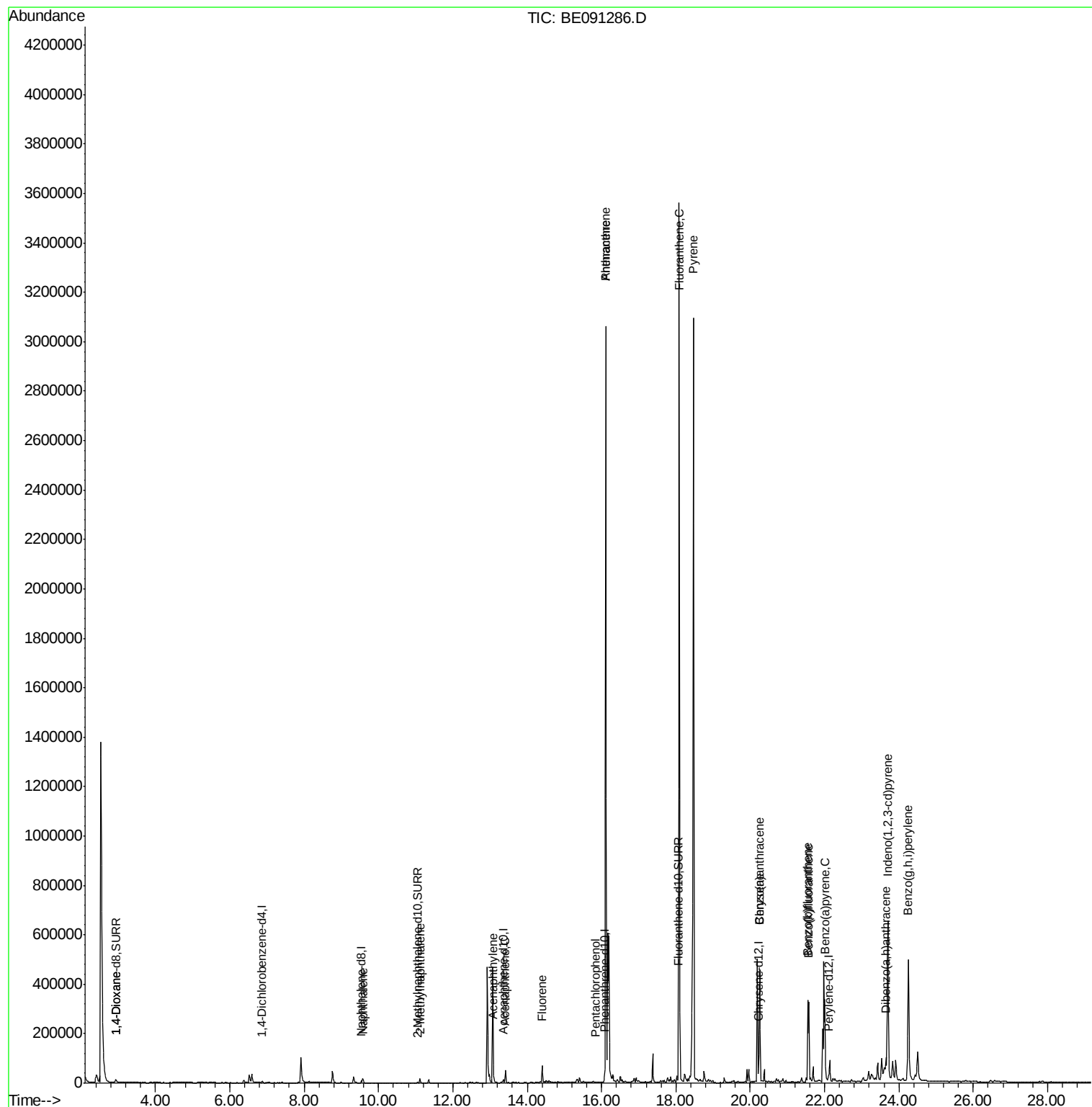
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.92	88	209	0.09	ng/ul#	43
5) Naphthalene	9.58	128	22155	0.67	ng/ul	99
7) 2-Methylnaphthalene	11.12	142	14081	0.66	ng/ul	98
9) Acenaphthylene	13.10	152	11420	0.29	ng/ul	99
10) Acenaphthene	13.42	153	27768	1.02	ng/ul	92
11) Fluorene	14.40	166	41309	1.18	ng/ul	91
13) Pentachlorophenol	15.84	266	1797	0.97	ng/ul	98
14) Phenanthrene	16.11	178	2970797	13.23	ng/ul	99
15) Anthracene	16.11	178	2968190	14.53	ng/ul	99
17) Fluoranthene	18.09	202	3696676	14.06	ng/ul	89
19) Pyrene	18.47	202	3074987	11.45	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	409525	6.75	ng/ul	96
21) Chrysene	20.26	228	412074	5.89	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	347340	4.57	ng/ul	95
24) Benzo(k)fluoranthene	21.57	252	271475	3.48	ng/ul	95
25) Benzo(a)pyrene	22.01	252	326128	4.66	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	851561	2.89	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	74892	1.07	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	785185	2.54	ng/ul	95

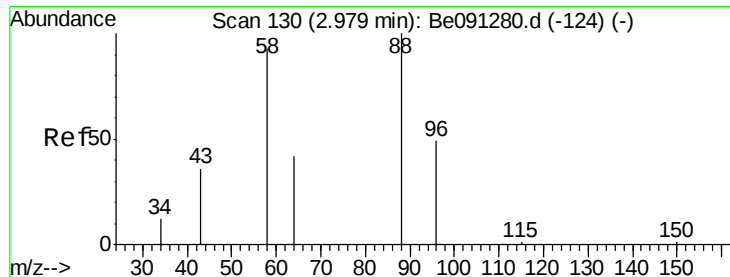
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.09 ng/ul

RT: 2.92 min Scan# 121

Delta R.T. -0.06 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

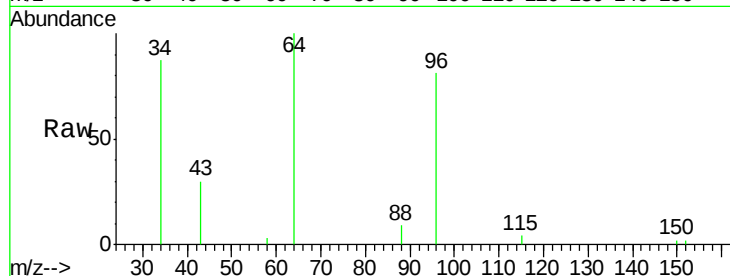
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

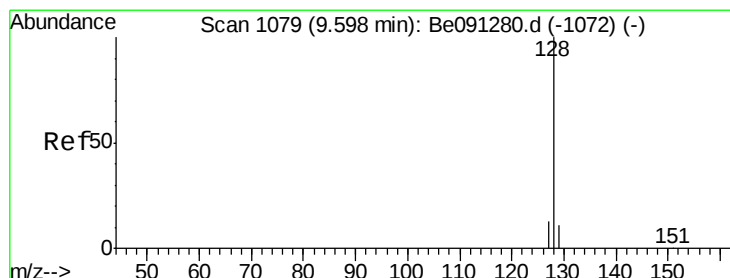
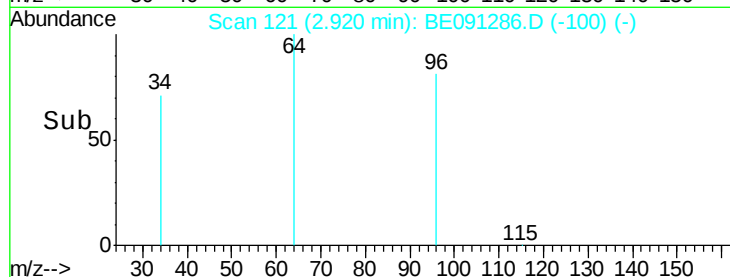
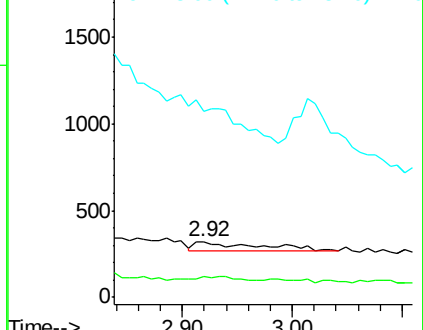
88 100

58 22.5 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: 0.67 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

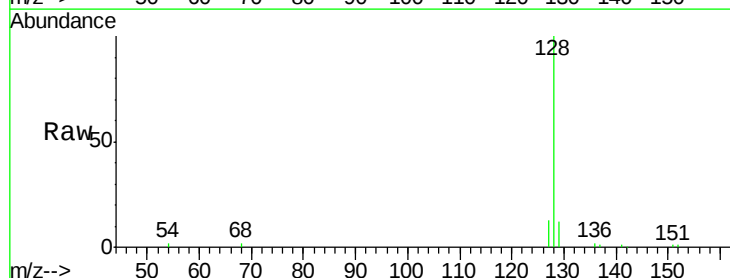
Tgt Ion: 128 Resp: 22155

Ion Ratio Lower Upper

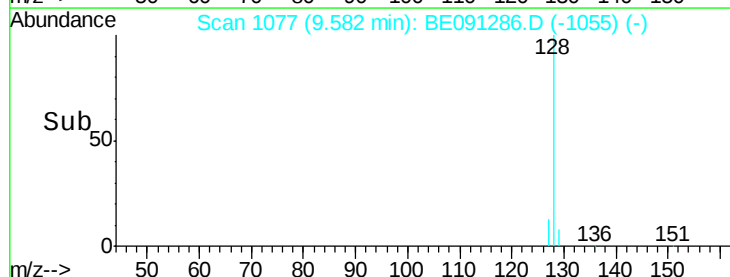
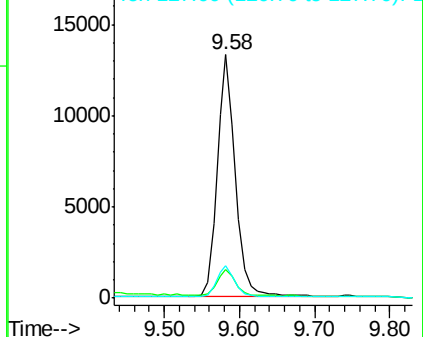
128 100

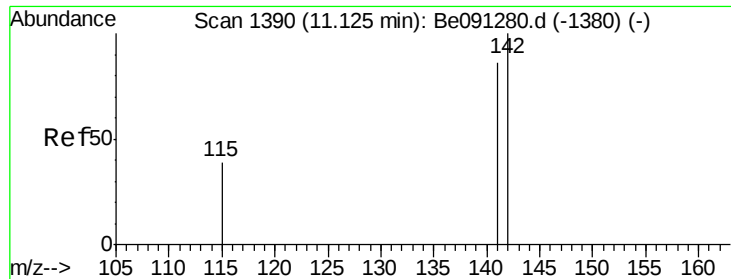
129 11.6 9.8 14.8

127 13.2 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: 0.66 ng/ul

RT: 11.12 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

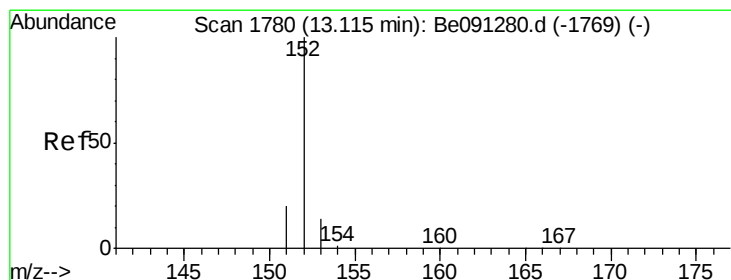
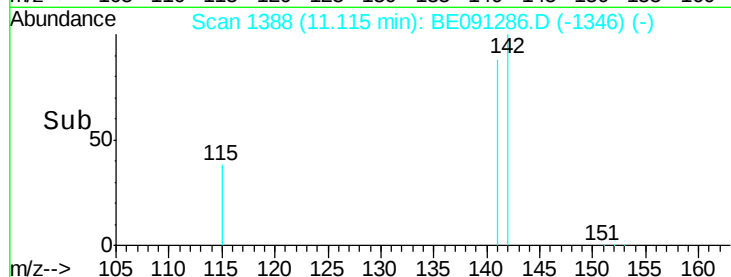
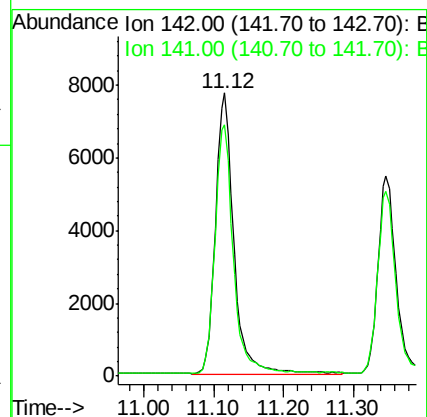
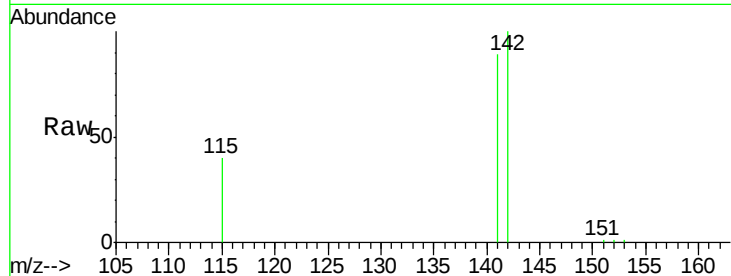
A4J67

Tgt Ion:142 Resp: 14081

Ion Ratio Lower Upper

142 100

141 89.7 70.3 105.5



#9

Acenaphthylene

Concen: 0.29 ng/ul

RT: 13.10 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

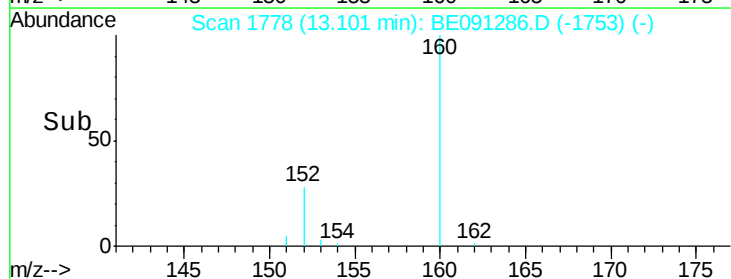
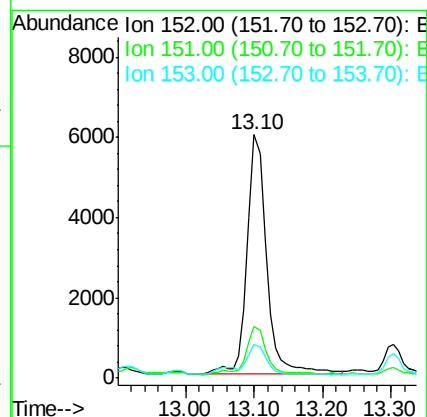
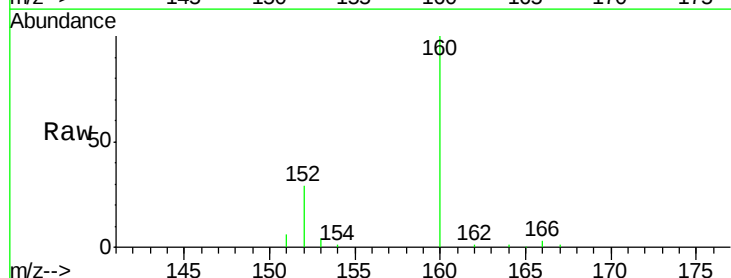
Tgt Ion:152 Resp: 11420

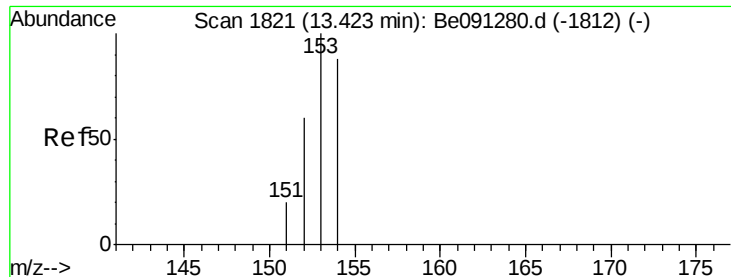
Ion Ratio Lower Upper

152 100

151 21.2 16.8 25.2

153 13.9 11.3 16.9





#10

Acenaphthene

Concen: 1.02 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

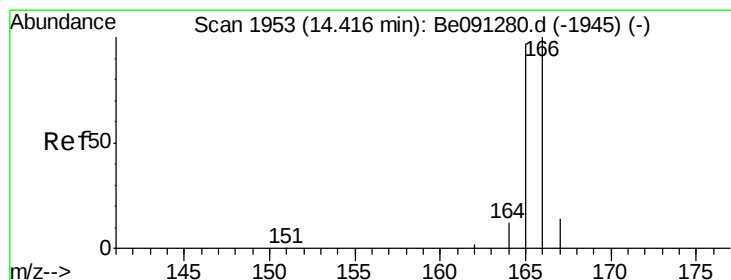
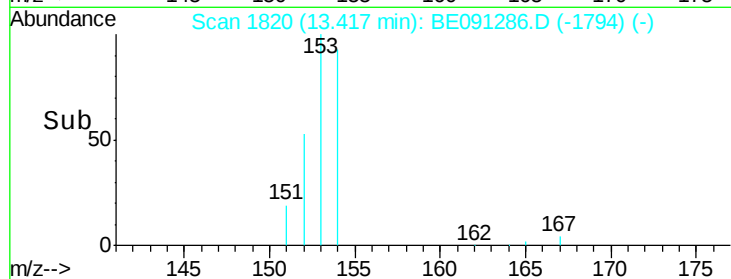
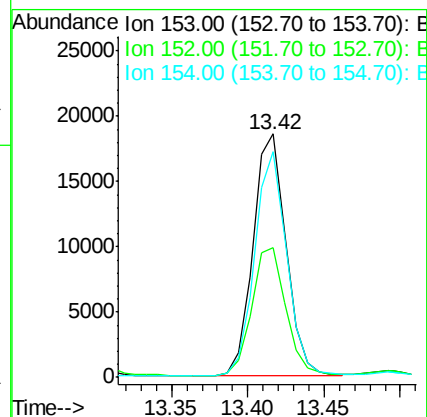
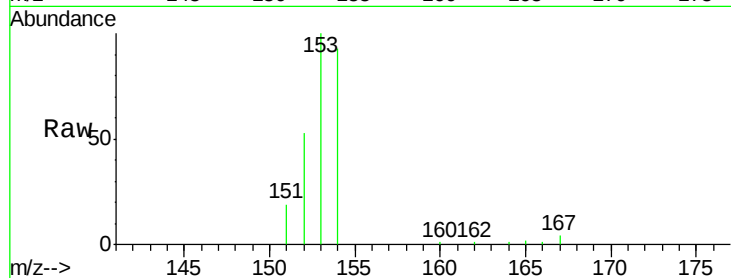
Tgt Ion:153 Resp: 27768

Ion Ratio Lower Upper

153 100

152 53.3 42.3 63.5

154 92.7 64.7 97.1



#11

Fluorene

Concen: 1.18 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

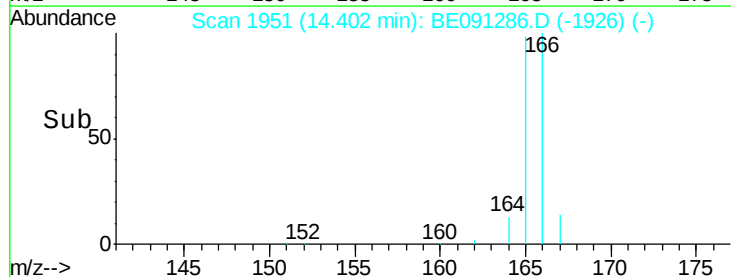
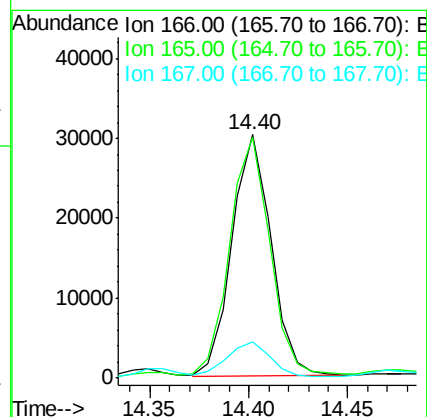
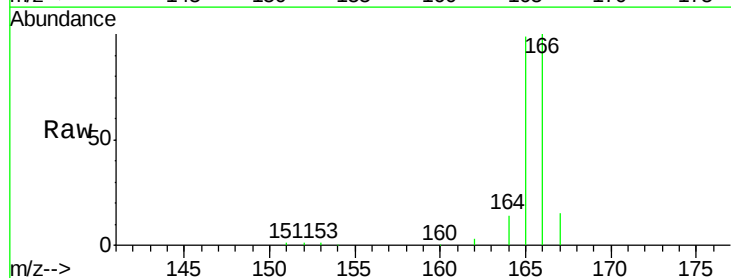
Tgt Ion:166 Resp: 41309

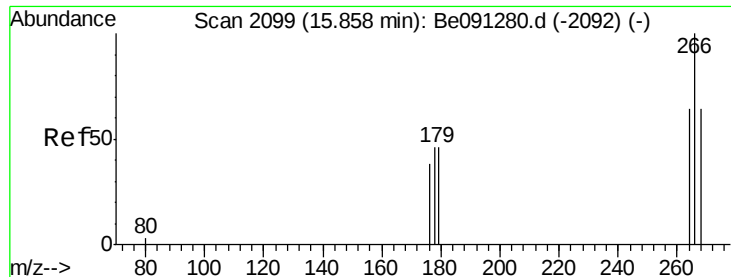
Ion Ratio Lower Upper

166 100

165 98.8 87.6 131.4

167 14.8 11.1 16.7

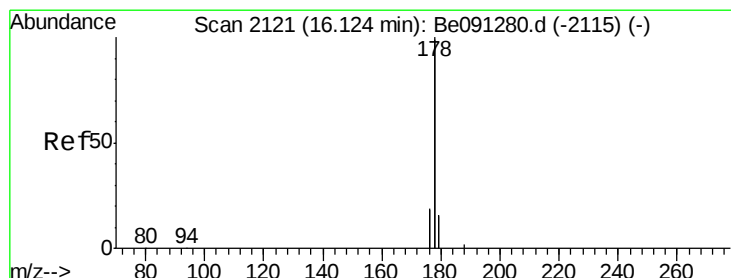
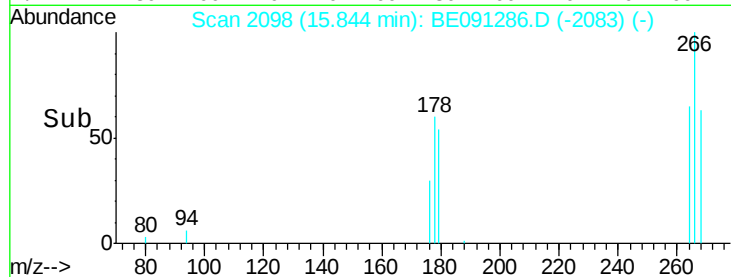
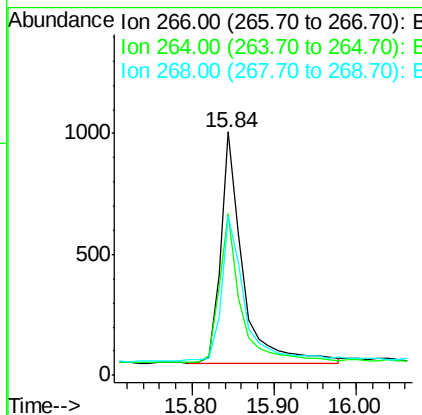
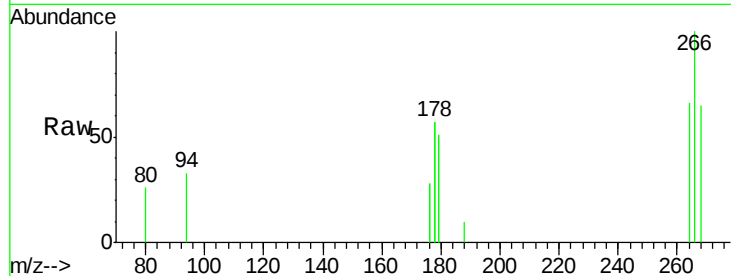




#13
 Pentachlorophenol
 Concen: 0.97 ng/ul
 RT: 15.84 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091286.D
 Acq: 21 Nov 2015 21:07

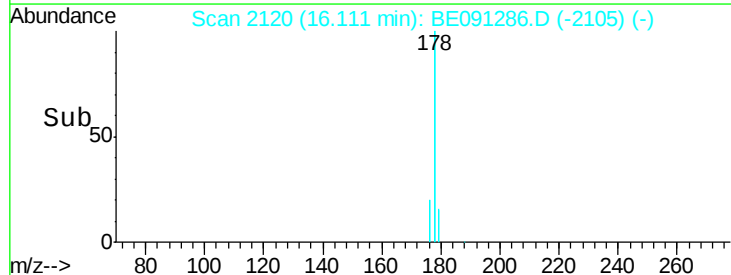
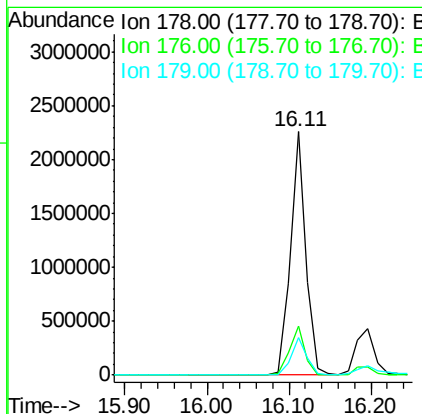
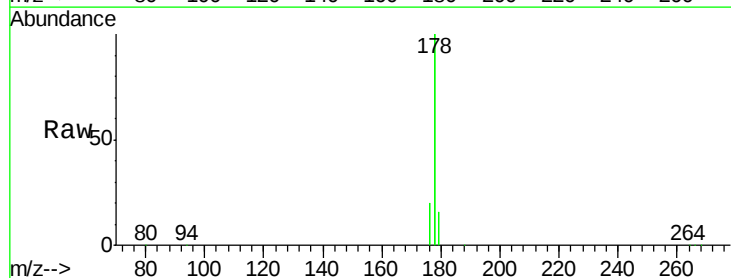
Instrument :
 BNA_E
 ClientSampleId :
 A4J67

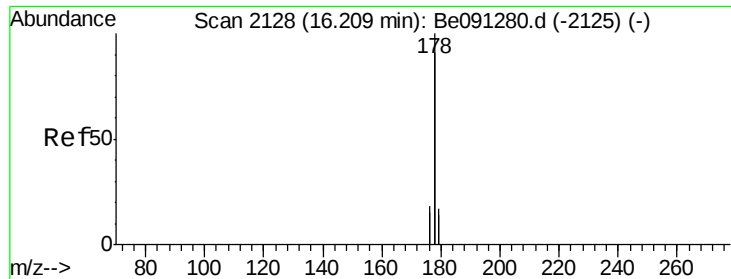
Tgt Ion: 266 Resp: 1797
 Ion Ratio Lower Upper
 266 100
 264 63.9 53.5 80.3
 268 67.1 54.2 81.2



#14
 Phenanthrene
 Concen: 13.23 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091286.D
 Acq: 21 Nov 2015 21:07

Tgt Ion: 178 Resp: 2970797
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.6 12.8 19.2





#15

Anthracene

Concen: 14.53 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

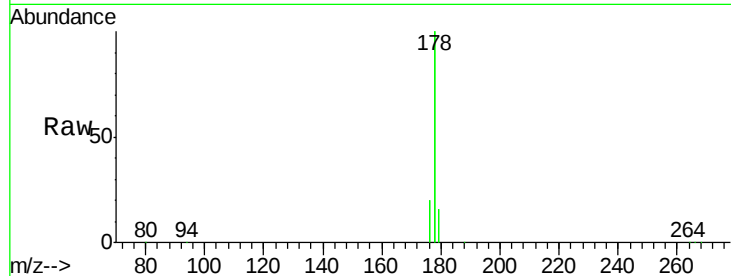
Tgt Ion:178 Resp: 2968190

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

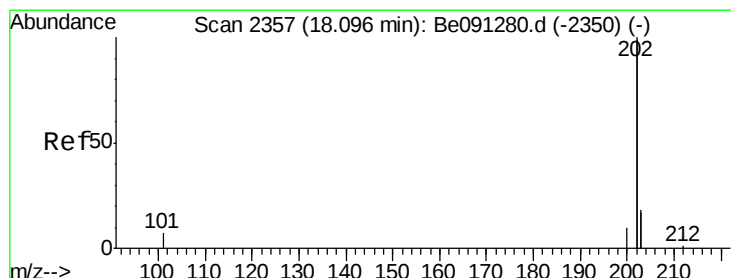
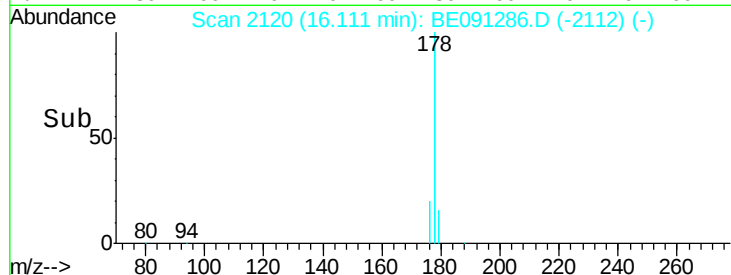
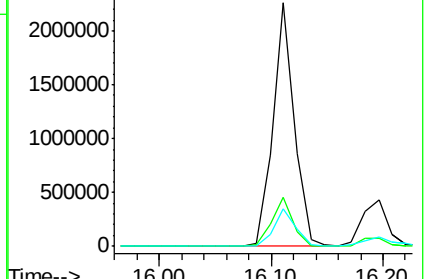
179 15.6 13.3 19.9



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: 14.06 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

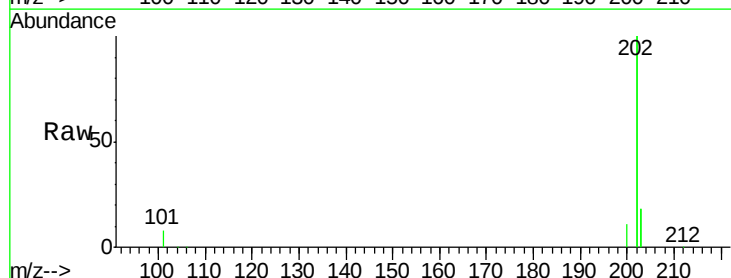
Tgt Ion:202 Resp: 3696676

Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

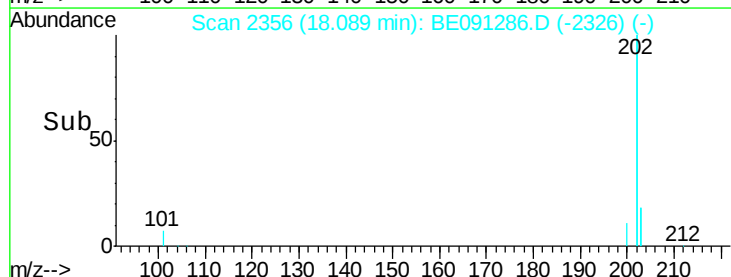
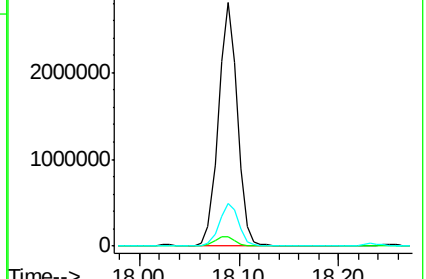
203 17.7 0.0 37.2

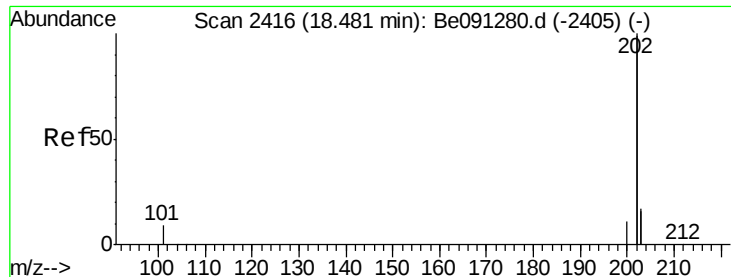


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 11.45 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

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ClientSampleId :

A4J67

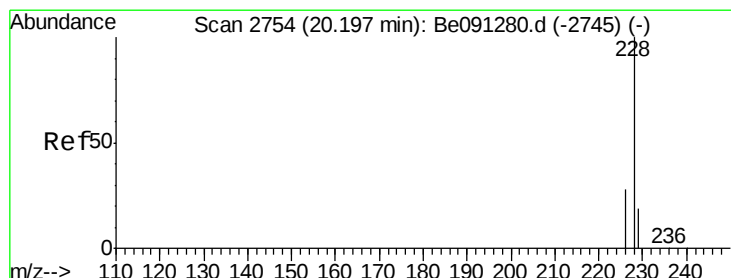
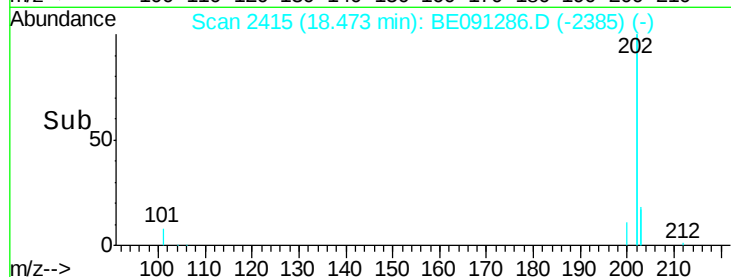
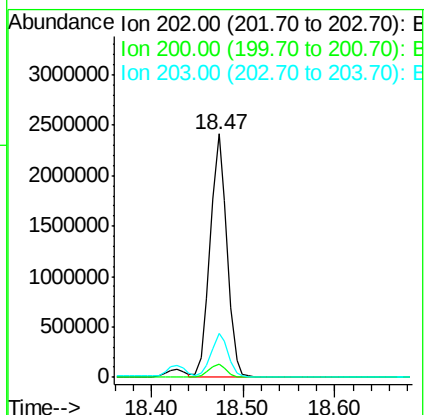
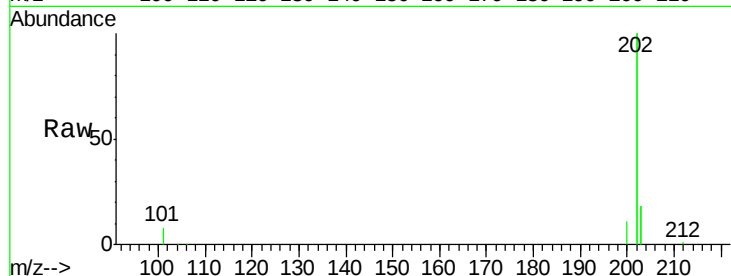
Tgt Ion:202 Resp: 3074987

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 18.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 6.75 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

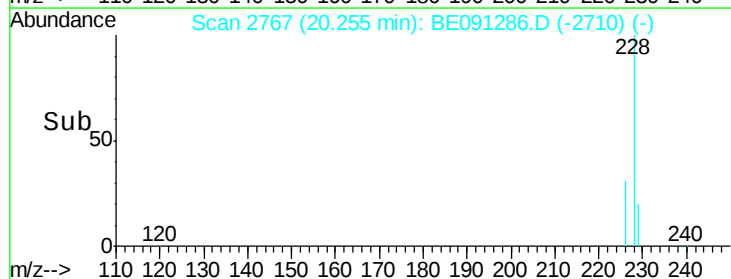
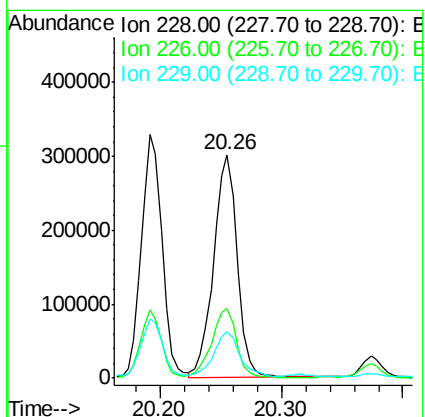
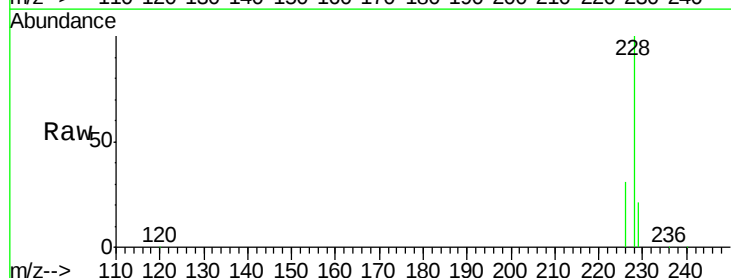
Tgt Ion:228 Resp: 409525

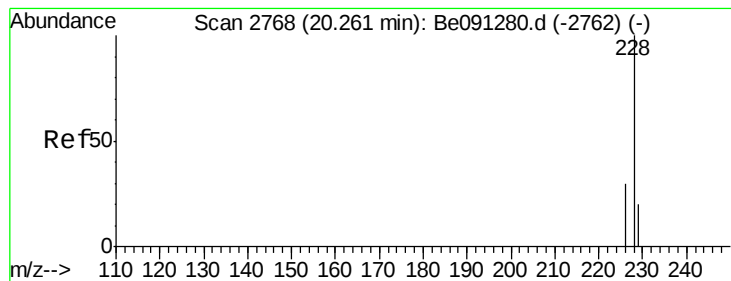
Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 21.0 15.2 22.8





#21

Chrysene

Concen: 5.89 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

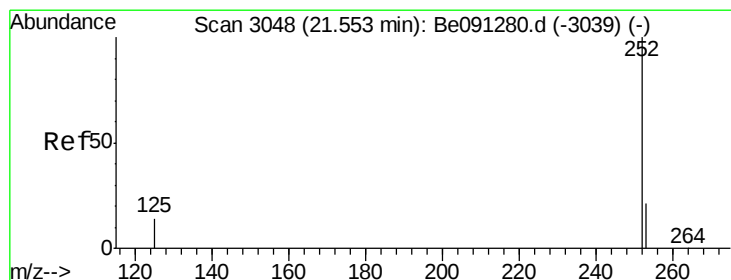
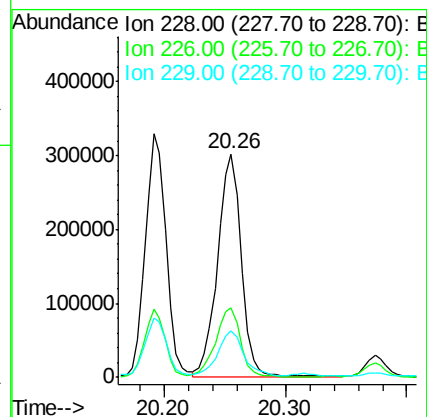
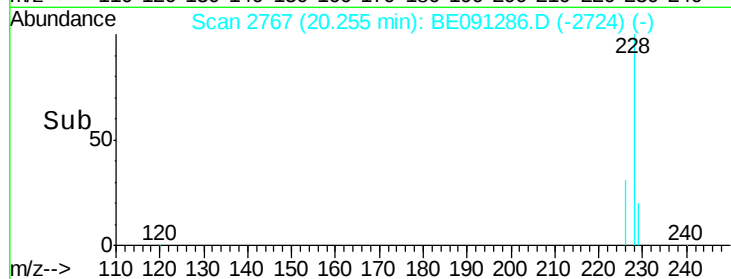
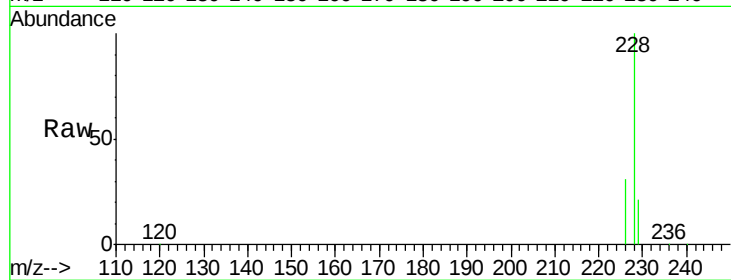
Tgt Ion:228 Resp: 412074

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

229 21.0 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 4.57 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

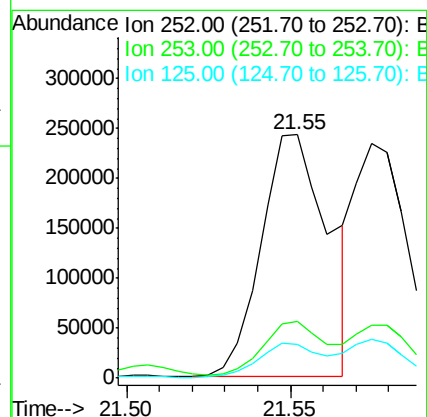
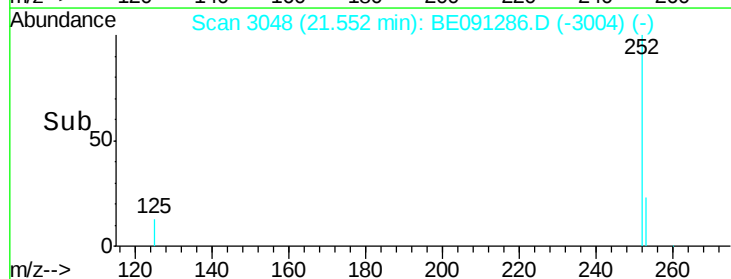
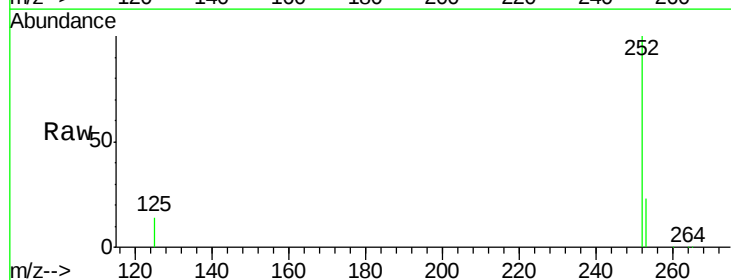
Tgt Ion:252 Resp: 347340

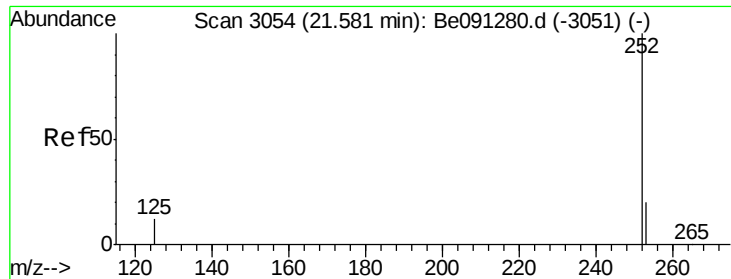
Ion Ratio Lower Upper

252 100

253 23.1 0.0 48.0

125 13.9 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 3.48 ng/ul

RT: 21.57 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

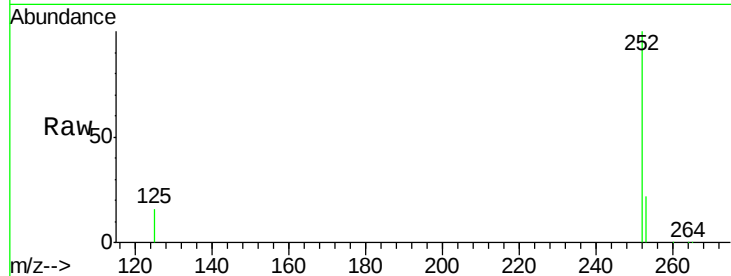
Tgt Ion:252 Resp: 271475

Ion Ratio Lower Upper

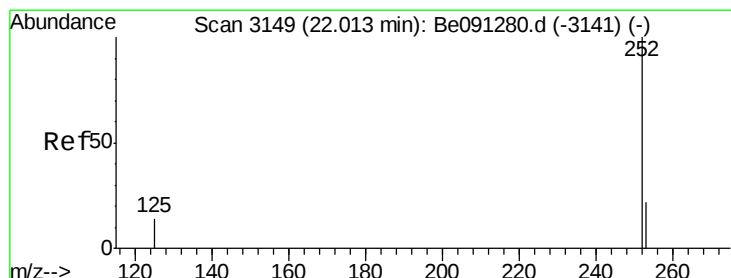
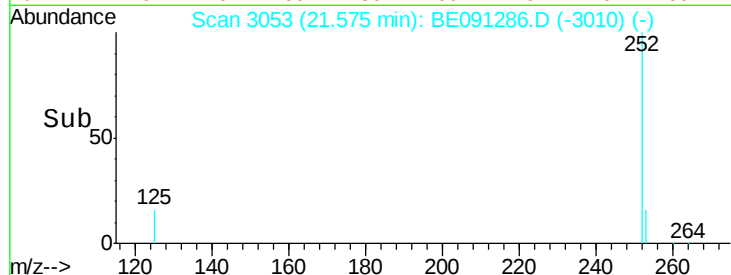
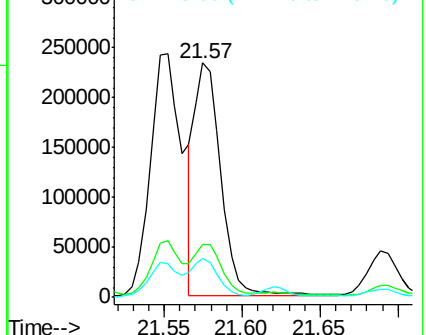
252 100

253 22.4 20.8 31.2

125 16.3 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: 4.66 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

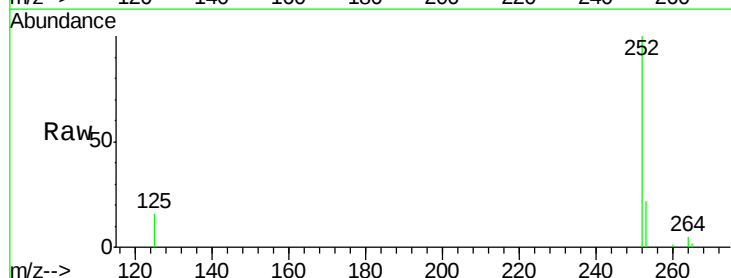
Tgt Ion:252 Resp: 326128

Ion Ratio Lower Upper

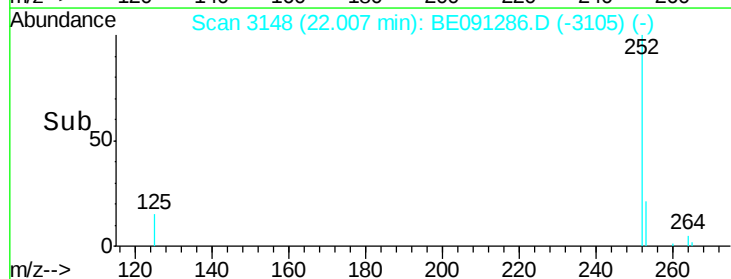
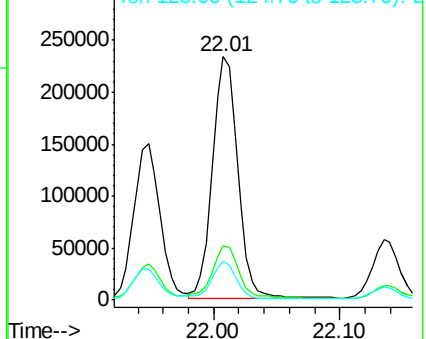
252 100

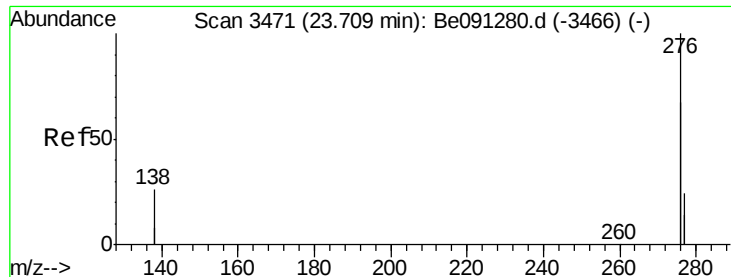
253 22.1 21.8 32.8

125 15.7 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

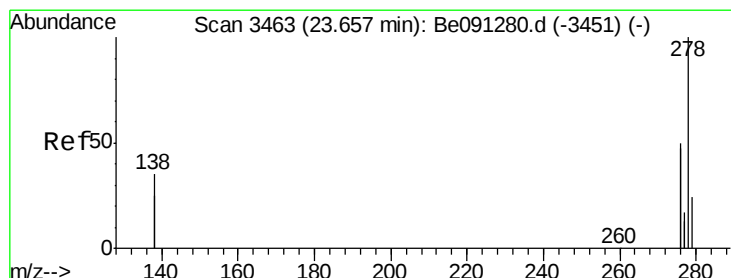
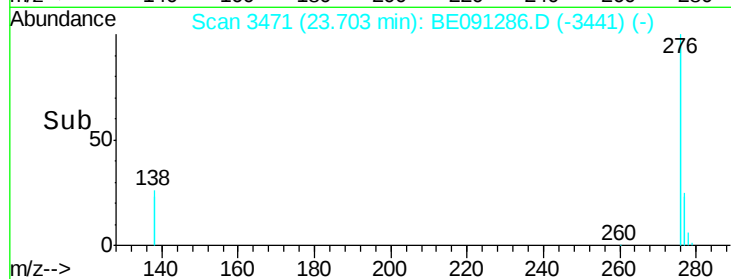
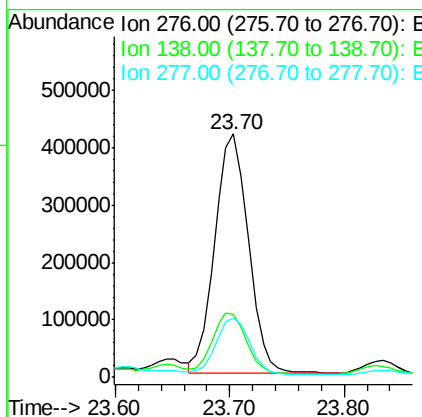
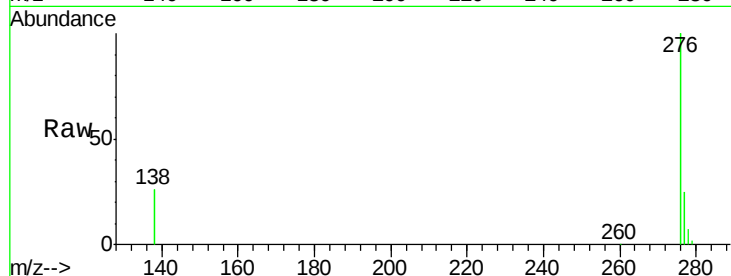




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 2.89 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091286.D
 Acq: 21 Nov 2015 21:07

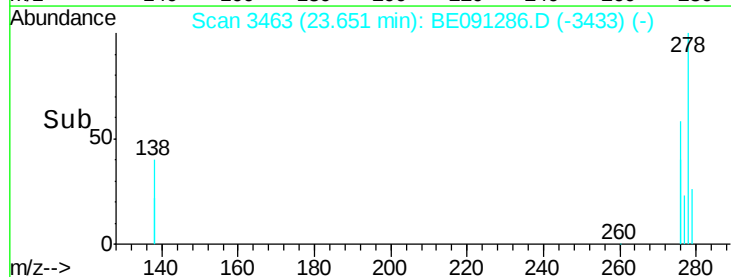
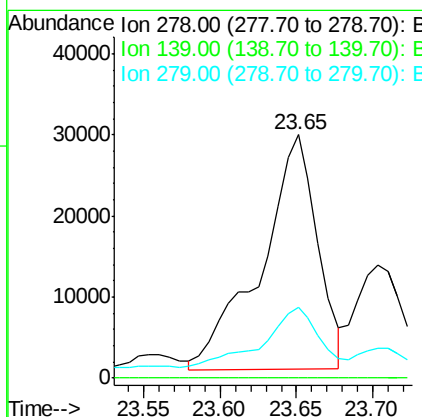
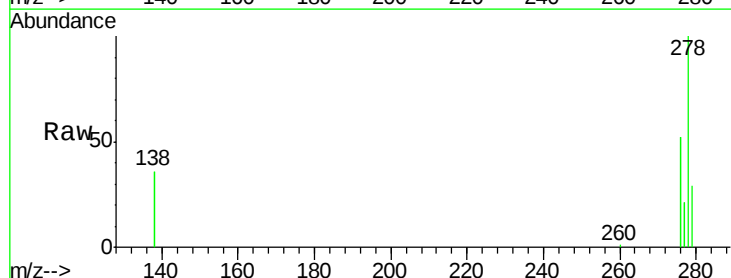
Instrument :
 BNA_E
 ClientSampled :
 A4J67

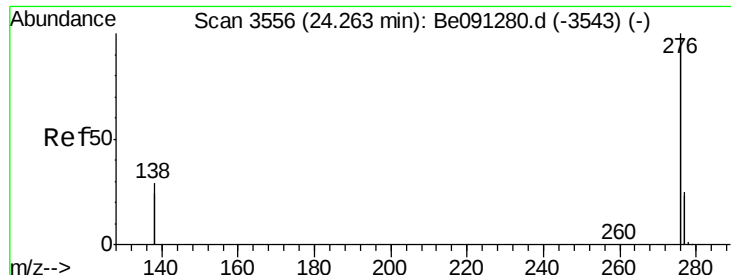
Tgt Ion:276 Resp: 851561
 Ion Ratio Lower Upper
 276 100
 138 25.9 27.5 41.3#
 277 24.1 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 1.07 ng/ul
 RT: 23.65 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091286.D
 Acq: 21 Nov 2015 21:07

Tgt Ion:278 Resp: 74892
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 29.3 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 2.54 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091286.D

Acq: 21 Nov 2015 21:07

Instrument :

BNA_E

ClientSampleId :

A4J67

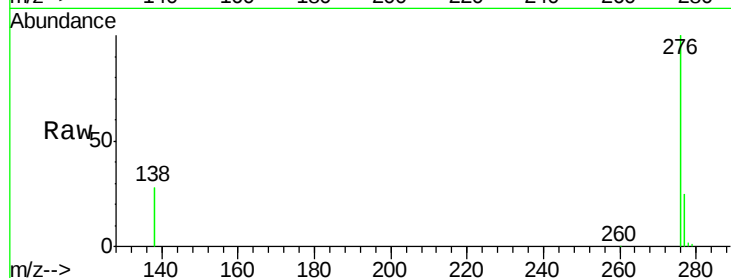
Tgt Ion: 276 Resp: 785185

Ion Ratio Lower Upper

276 100

277 25.2 21.3 31.9

138 27.6 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

