

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091285.D
 Acq On : 21 Nov 2015 20:29
 Operator : UM/NP
 Sample : G4345-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J66

Quant Time: Nov 22 02:02:38 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	3267	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.54	136	15712	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8745	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	19878	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	23641	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	24392	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	15472	6.58	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	3509	0.16	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	7724	0.14	ng/ul	0.00

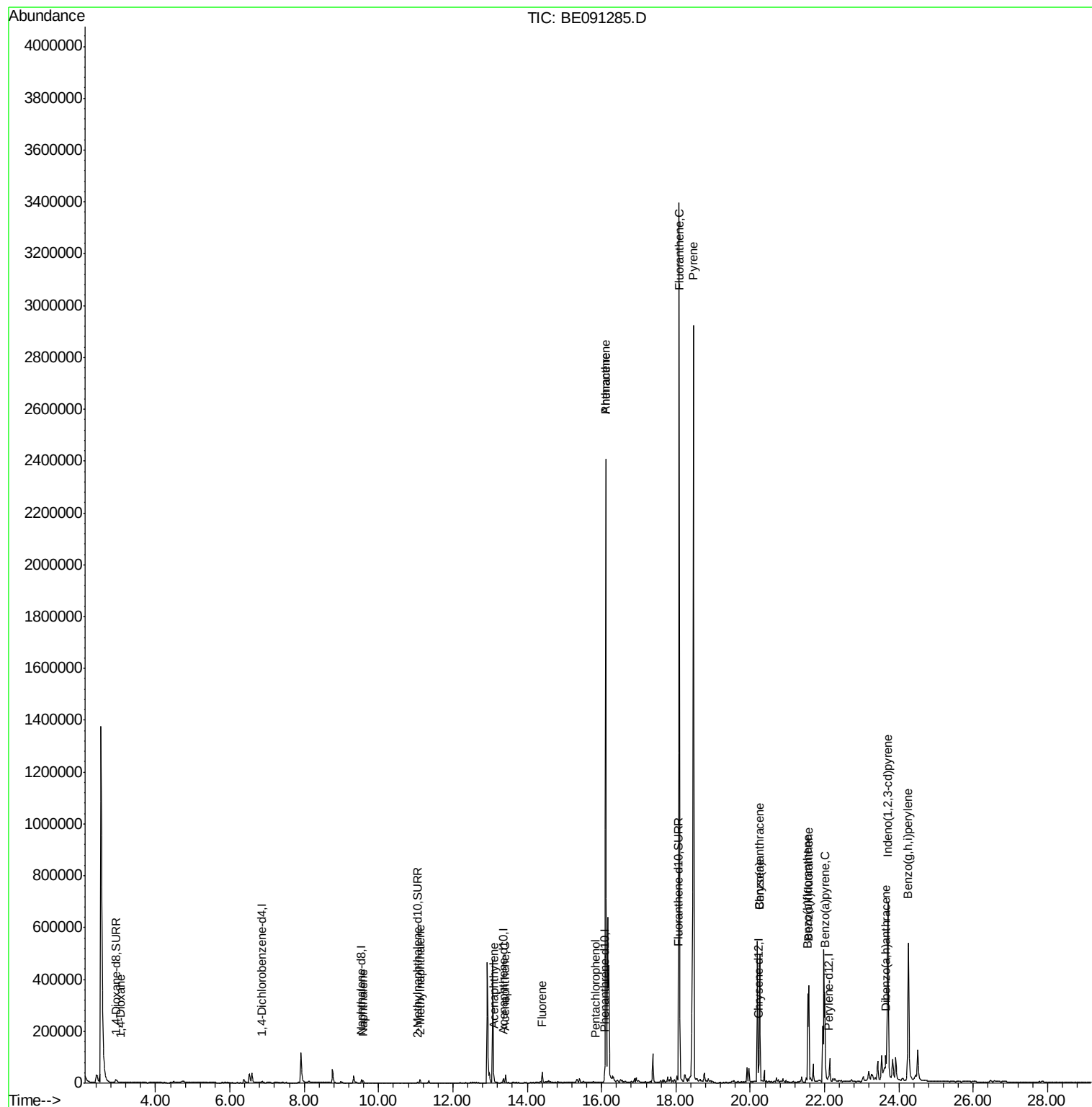
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.06	88	50	0.02	ng/ul#	77
5) Naphthalene	9.58	128	12087	0.31	ng/ul	98
7) 2-Methylnaphthalene	11.12	142	10183	0.40	ng/ul	99
9) Acenaphthylene	13.11	152	11118	0.25	ng/ul	100
10) Acenaphthene	13.42	153	15843	0.53	ng/ul	92
11) Fluorene	14.40	166	24667	0.64	ng/ul	93
13) Pentachlorophenol	15.85	266	297	0.16	ng/ul	88
14) Phenanthrene	16.11	178	2264270	9.86	ng/ul	99
15) Anthracene	16.11	178	2262502	10.84	ng/ul	99
17) Fluoranthene	18.09	202	3564332	13.27	ng/ul	89
19) Pyrene	18.47	202	2966007	11.04	ng/ul#	79
20) Benzo(a)anthracene	20.25	228	434489	7.16	ng/ul	94
21) Chrysene	20.25	228	436555	6.24	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	326417	4.29	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	342244	4.38	ng/ul	96
25) Benzo(a)pyrene	22.01	252	351976	5.02	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	902850	3.05	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	80647	1.15	ng/ul#	72
28) Benzo(g,h,i)perylene	24.25	276	845078	2.73	ng/ul	96

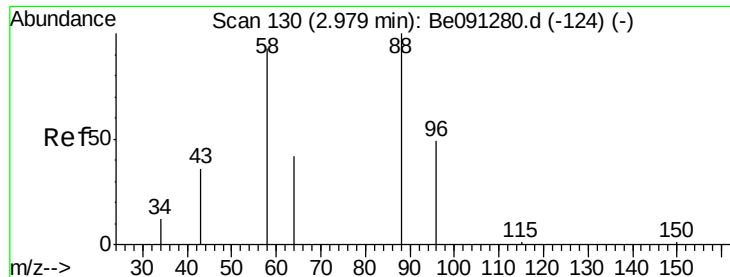
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
Data File : BE091285.D
Acq On : 21 Nov 2015 20:29
Operator : UM/NP
Sample : G4345-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A4J66

Quant Time: Nov 22 02:02:38 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





#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 3.06 min Scan# 142

Delta R.T. 0.08 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

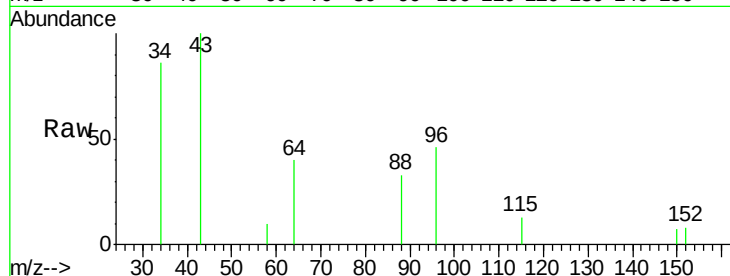
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

58 76.0 55.4 83.2

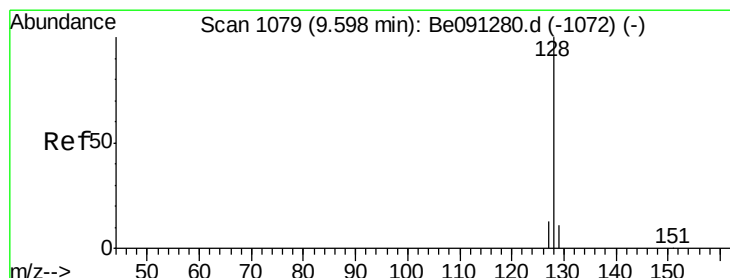
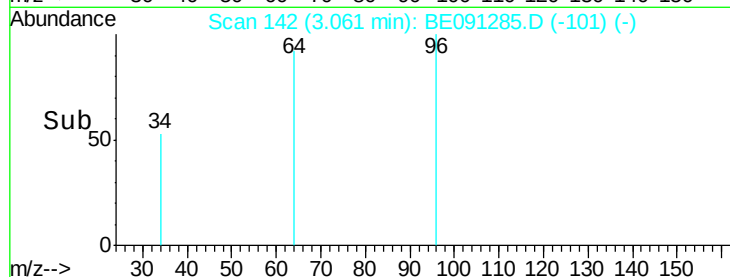
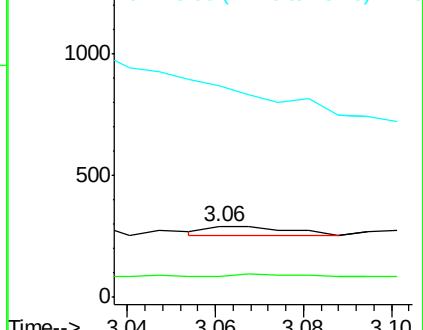
43 0.0 24.2 36.2#



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: 0.31 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

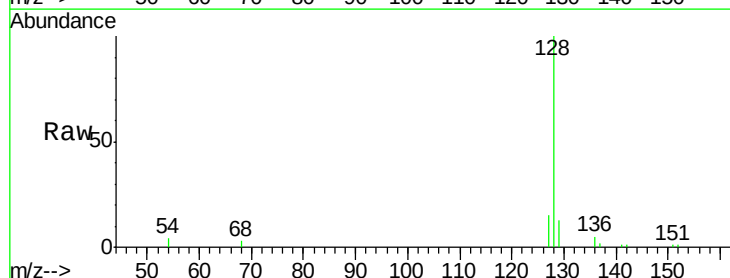
Tgt Ion: 128 Resp: 12087

Ion Ratio Lower Upper

128 100

129 12.7 9.8 14.8

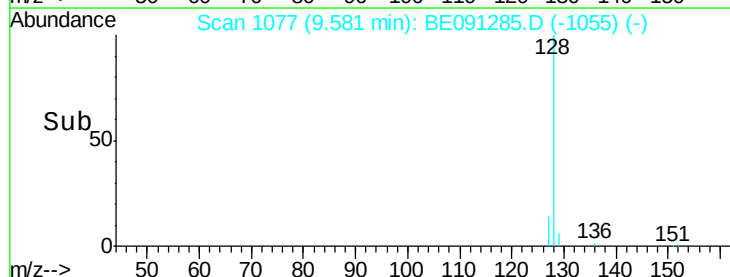
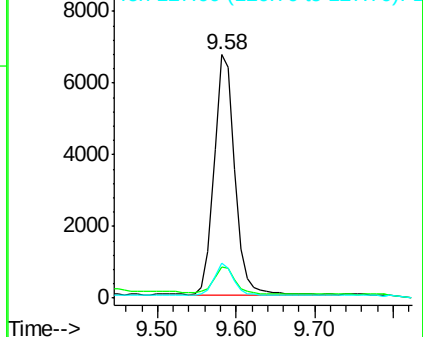
127 14.6 10.7 16.1

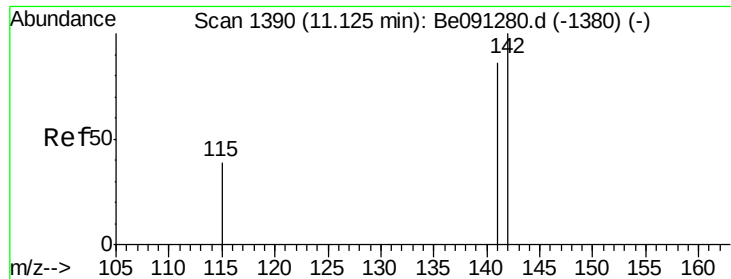


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.12 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

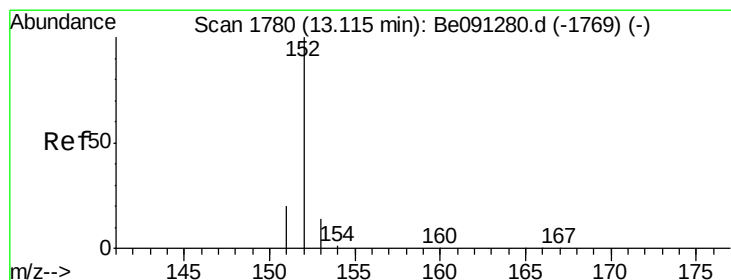
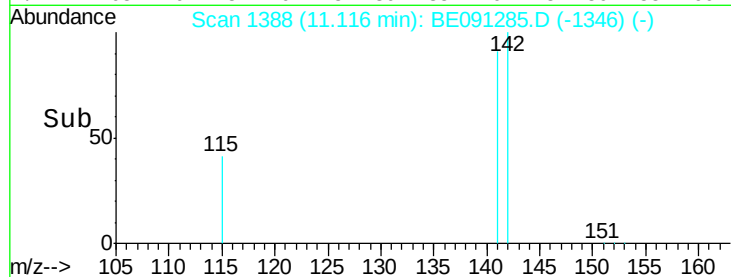
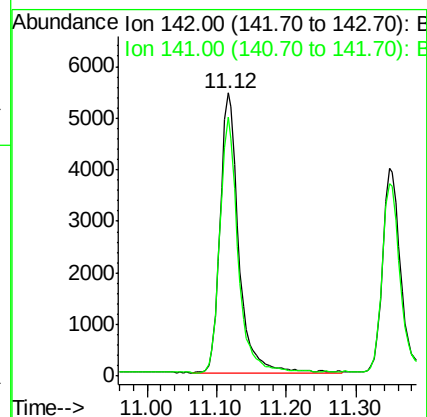
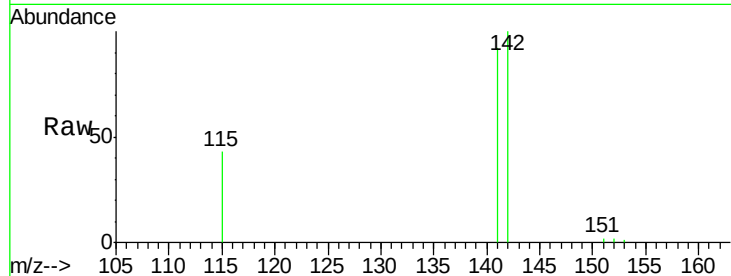
A4J66

Tgt Ion:142 Resp: 10183

Ion Ratio Lower Upper

142 100

141 88.8 70.3 105.5



#9

Acenaphthylene

Concen: 0.25 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

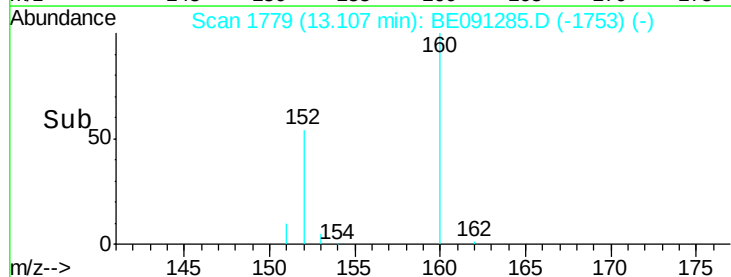
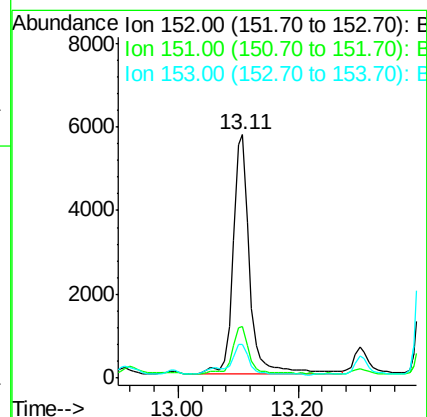
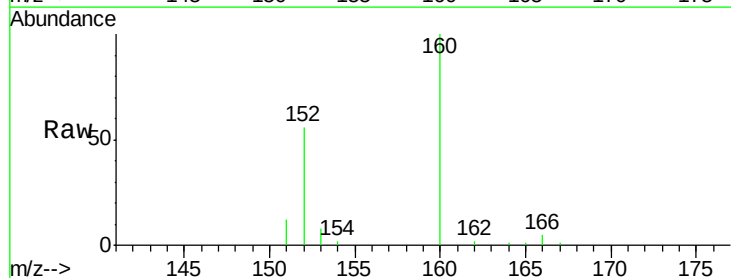
Tgt Ion:152 Resp: 11118

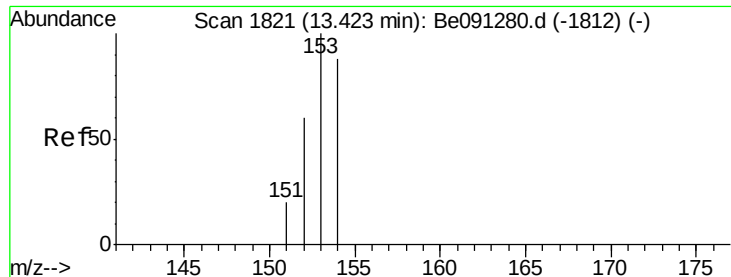
Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

153 13.8 11.3 16.9





#10

Acenaphthene

Concen: 0.53 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

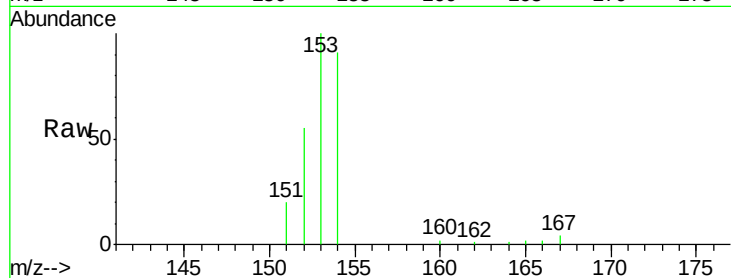
Tgt Ion:153 Resp: 15843

Ion Ratio Lower Upper

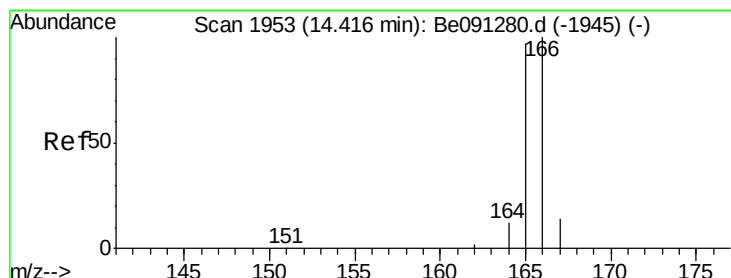
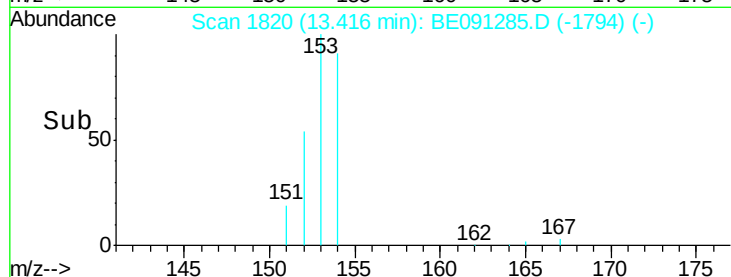
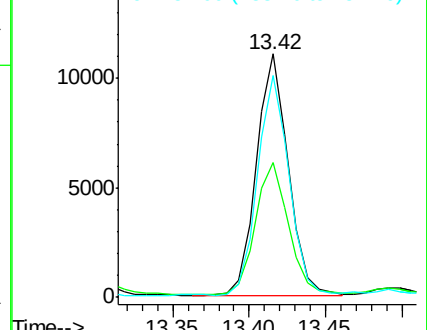
153 100

152 55.5 42.3 63.5

154 91.2 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: 0.64 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

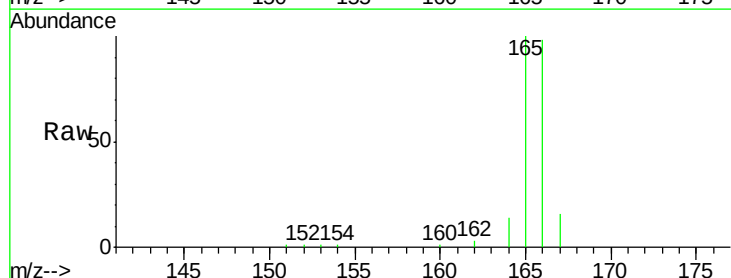
Tgt Ion:166 Resp: 24667

Ion Ratio Lower Upper

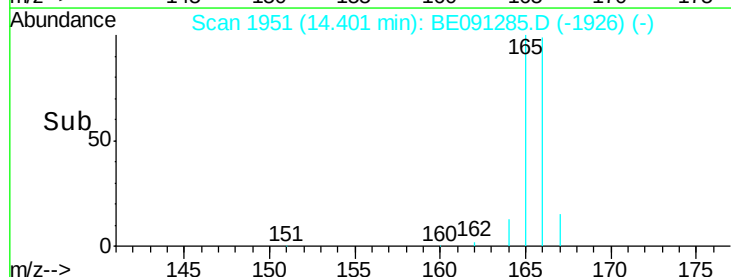
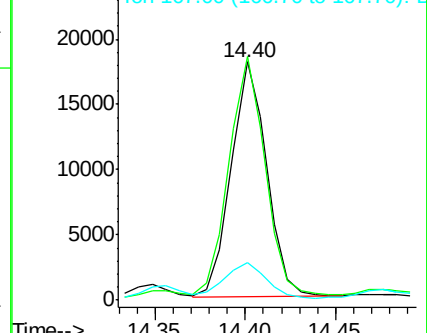
166 100

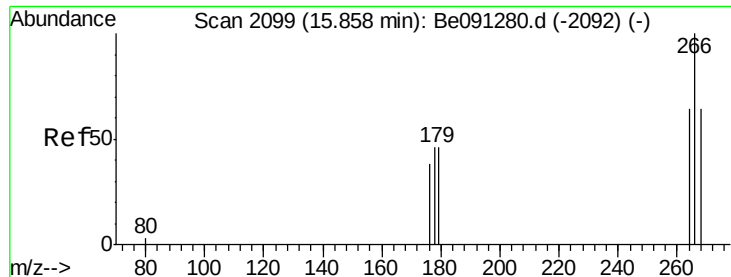
165 102.3 87.6 131.4

167 15.9 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

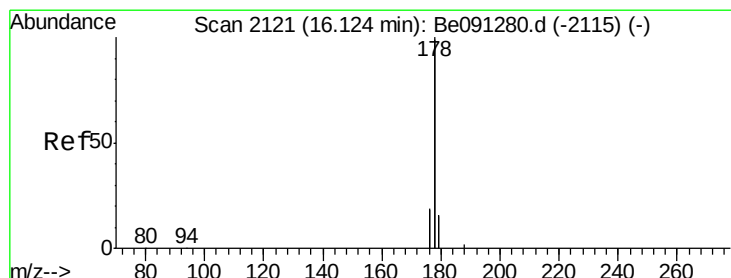
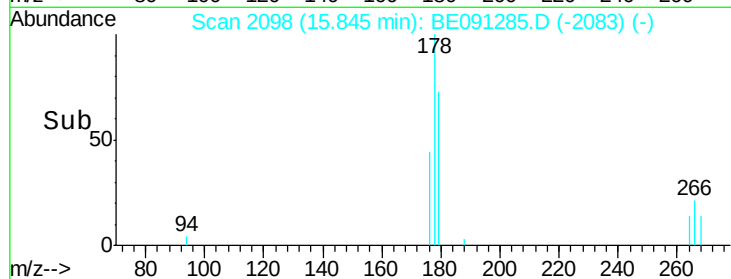
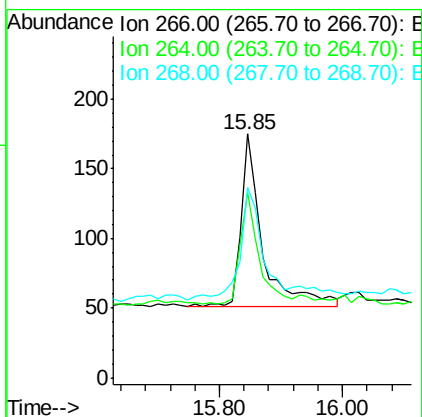
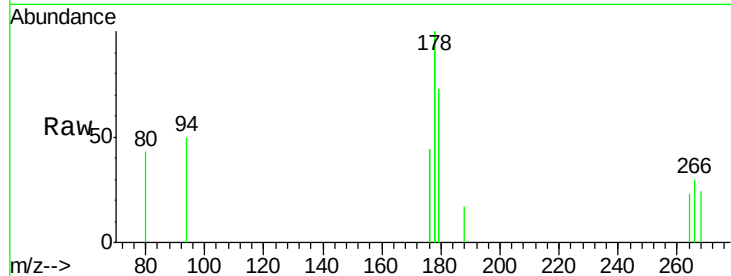




#13
 Pentachlorophenol
 Concen: 0.16 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091285.D
 Acq: 21 Nov 2015 20:29

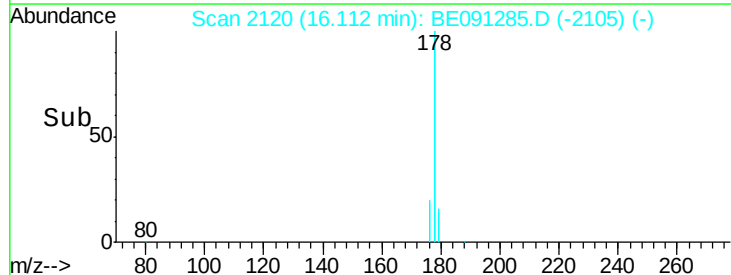
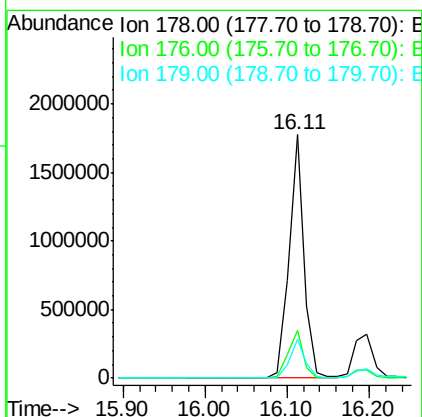
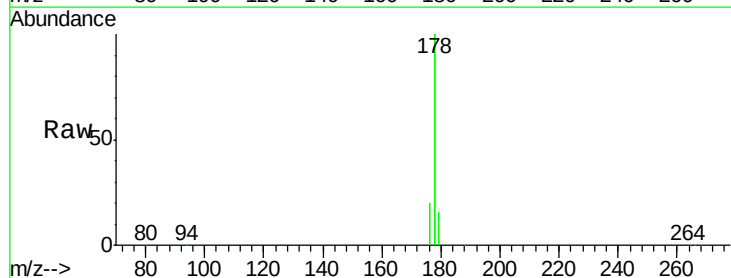
Instrument :
 BNA_E
 ClientSampleId :
 A4J66

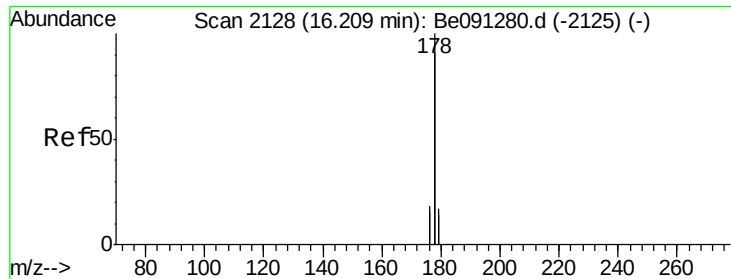
Tgt Ion: 266 Resp: 297
 Ion Ratio Lower Upper
 266 100
 264 60.3 53.5 80.3
 268 79.8 54.2 81.2



#14
 Phenanthrene
 Concen: 9.86 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091285.D
 Acq: 21 Nov 2015 20:29

Tgt Ion: 178 Resp: 2264270
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 16.1 12.8 19.2





#15

Anthracene

Concen: 10.84 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

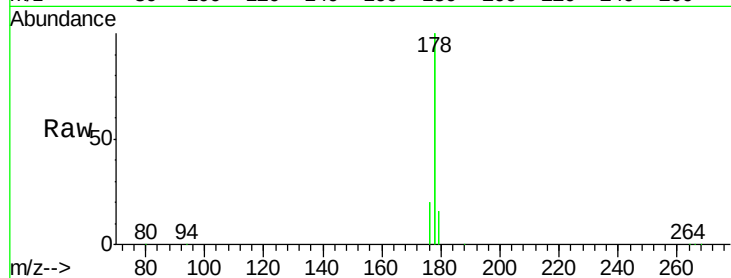
Tgt Ion:178 Resp: 2262502

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

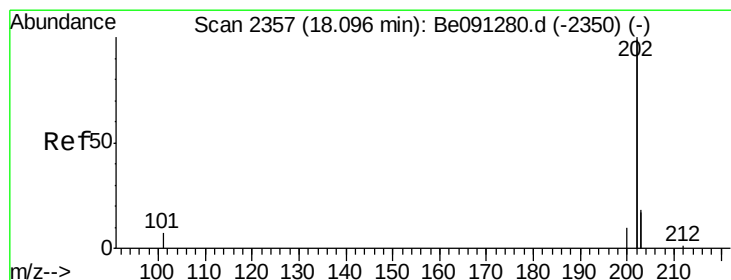
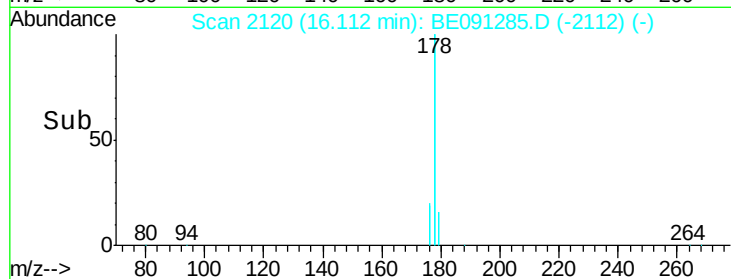
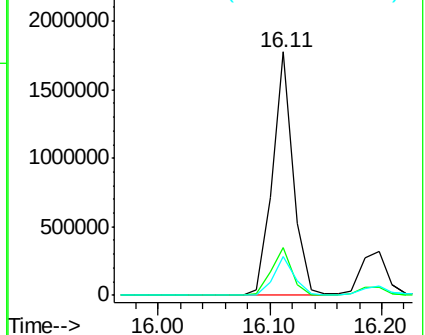
179 16.1 13.3 19.9



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: 13.27 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

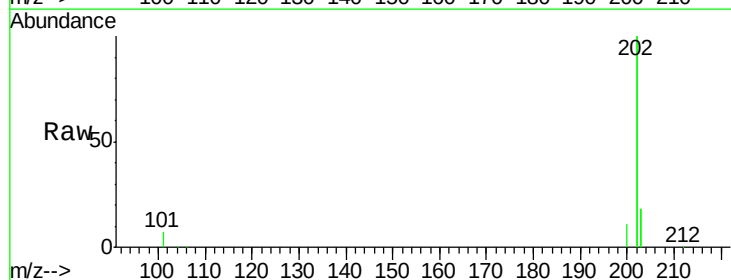
Tgt Ion:202 Resp: 3564332

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

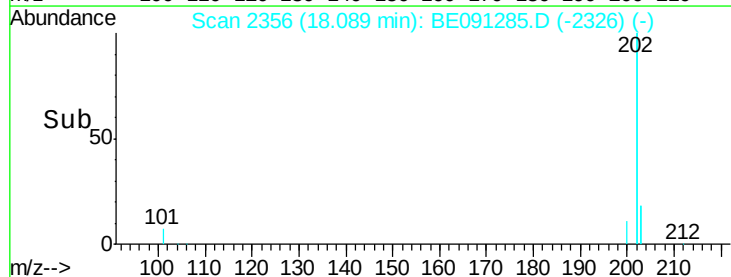
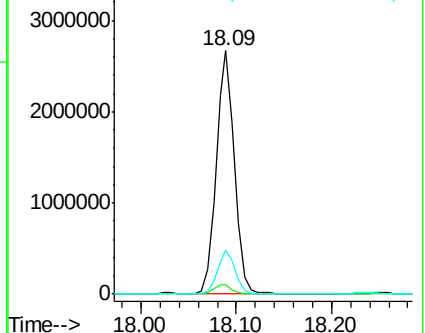
203 18.1 0.0 37.2

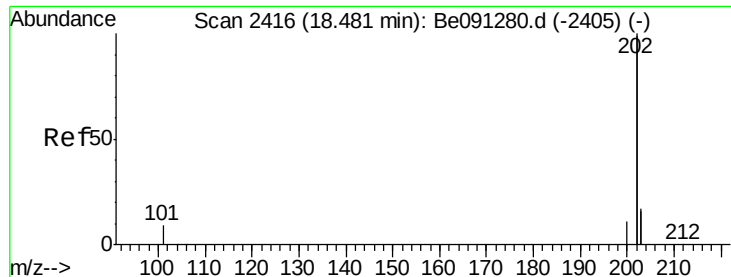


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 11.04 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

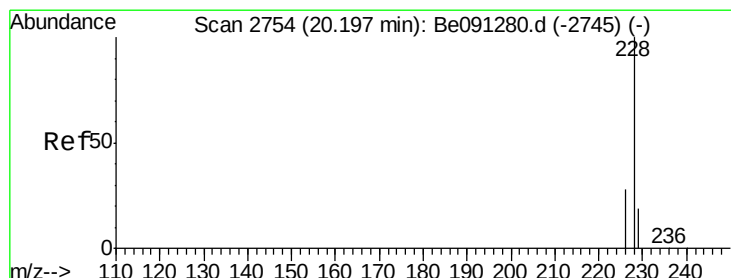
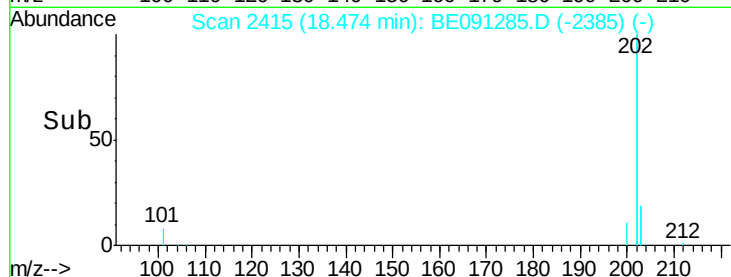
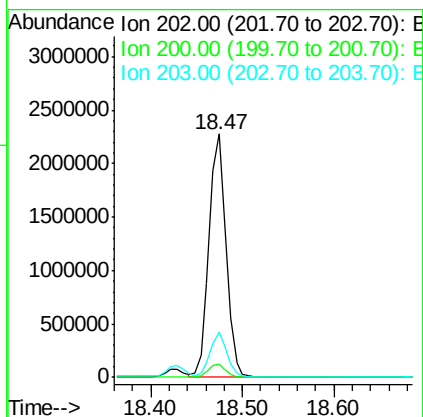
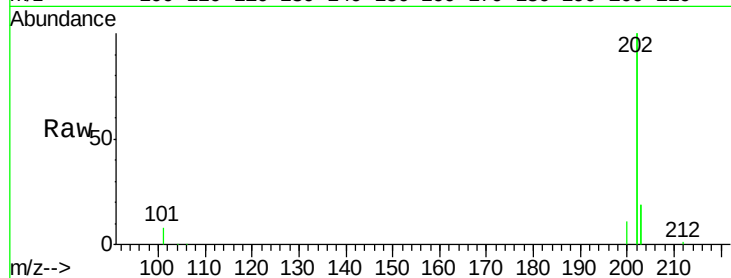
Tgt Ion:202 Resp: 2966007

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 18.6 13.8 20.6



#20

Benzo(a)anthracene

Concen: 7.16 ng/ul

RT: 20.25 min Scan# 2766

Delta R.T. 0.05 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

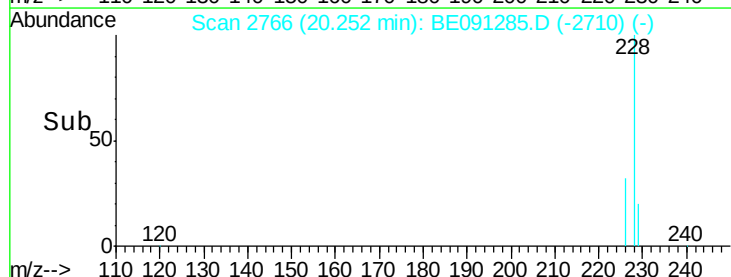
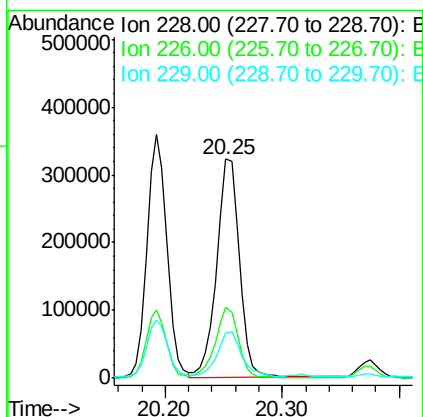
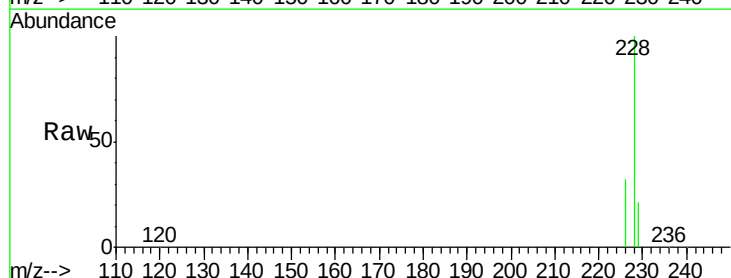
Tgt Ion:228 Resp: 434489

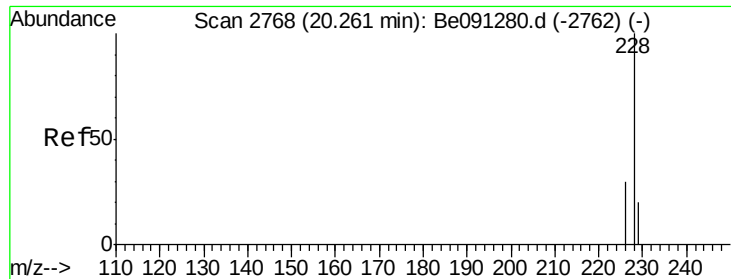
Ion Ratio Lower Upper

228 100

226 32.2 23.0 34.4

229 20.9 15.2 22.8





#21

Chrysene

Concen: 6.24 ng/ul

RT: 20.25 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

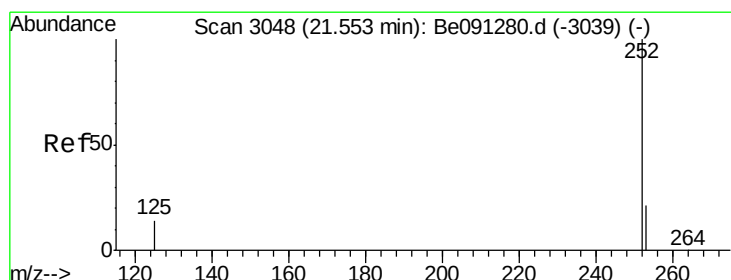
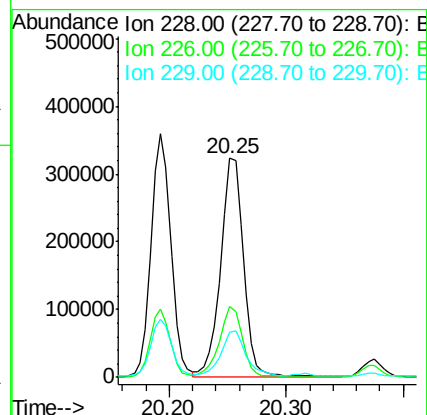
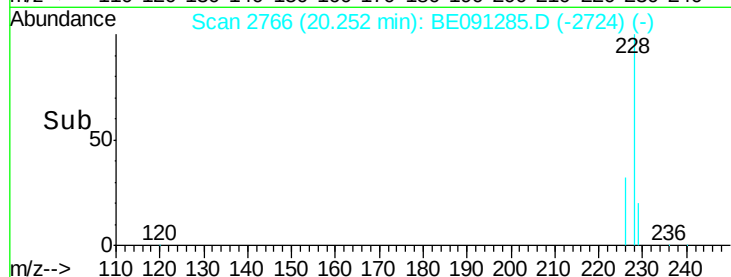
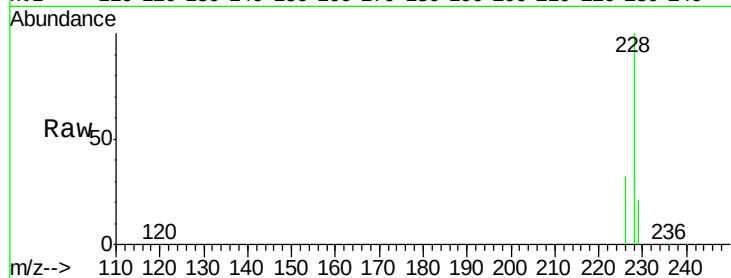
Tgt Ion:228 Resp: 436555

Ion Ratio Lower Upper

228 100

226 32.2 25.7 38.5

229 20.9 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 4.29 ng/ul

RT: 21.55 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

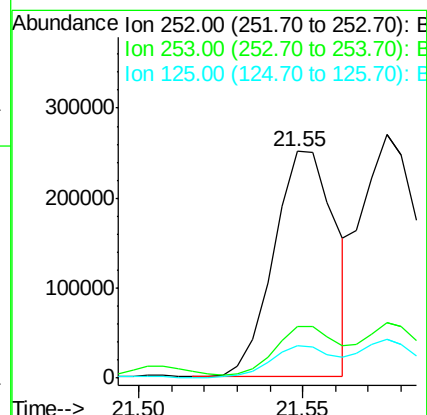
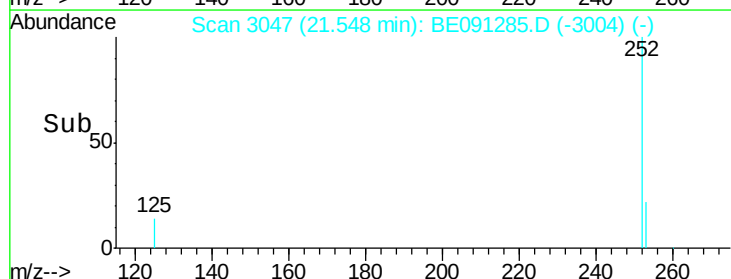
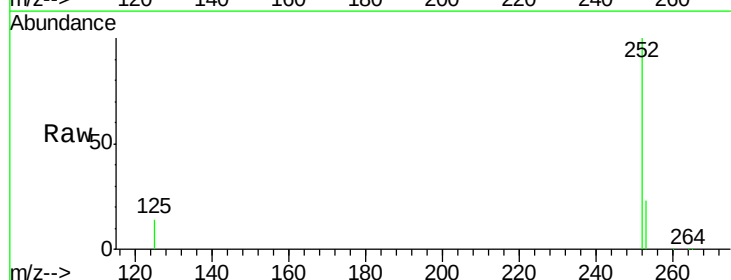
Tgt Ion:252 Resp: 326417

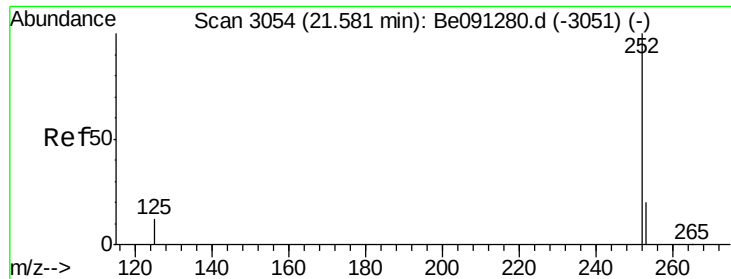
Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.0

125 14.4 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 4.38 ng/ul

RT: 21.58 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

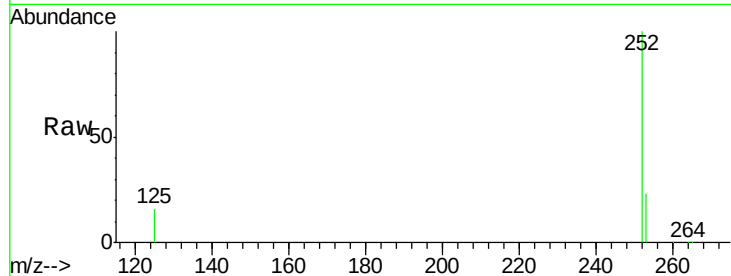
Tgt Ion:252 Resp: 342244

Ion Ratio Lower Upper

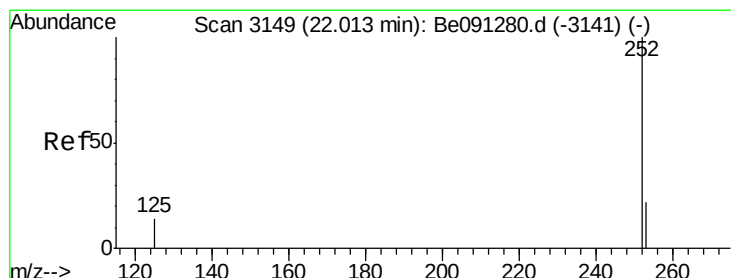
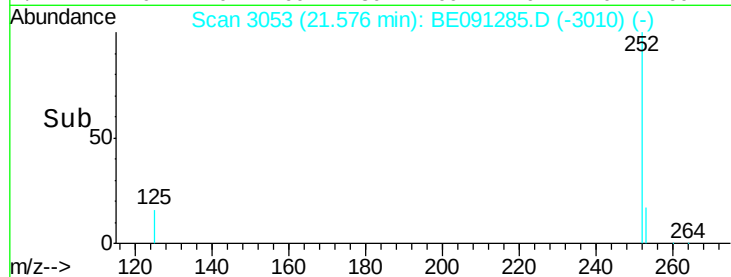
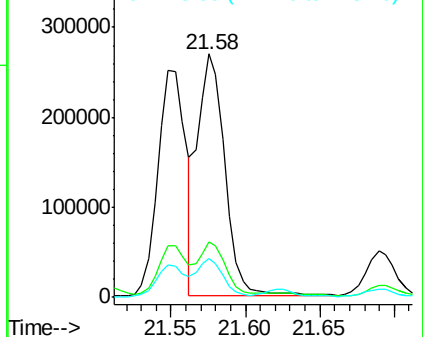
252 100

253 22.8 20.8 31.2

125 16.0 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: 5.02 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

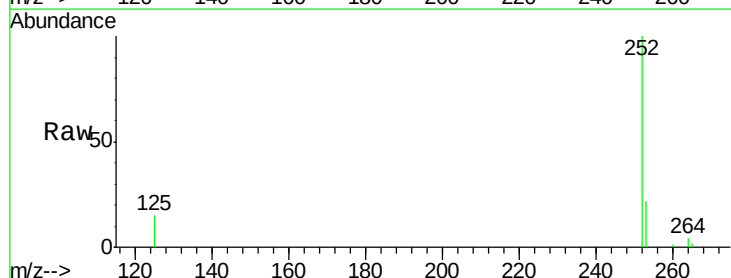
Tgt Ion:252 Resp: 351976

Ion Ratio Lower Upper

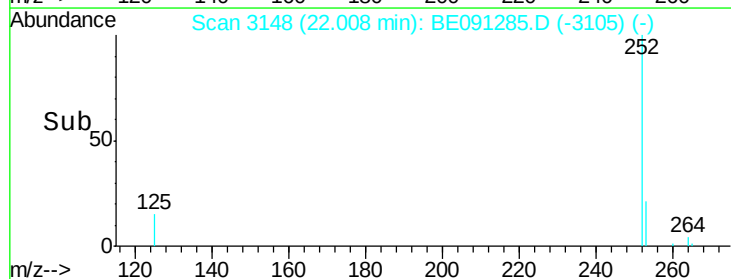
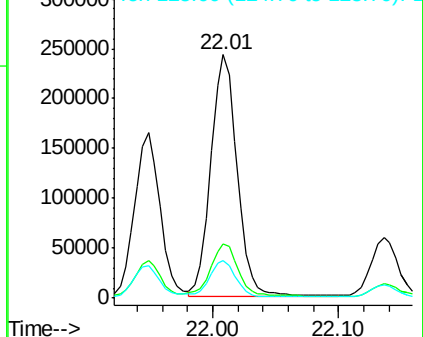
252 100

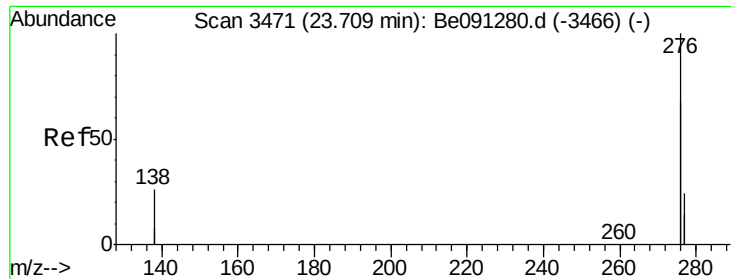
253 22.3 21.8 32.8

125 15.5 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

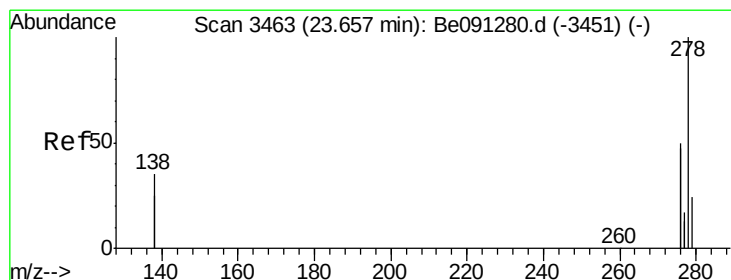
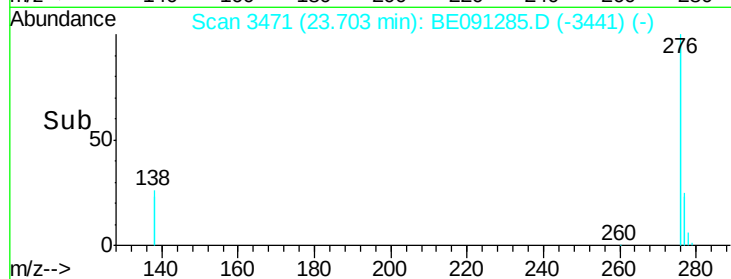
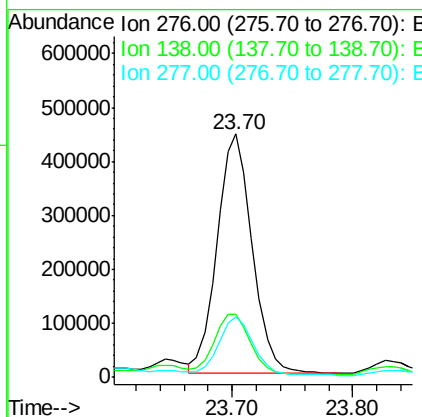
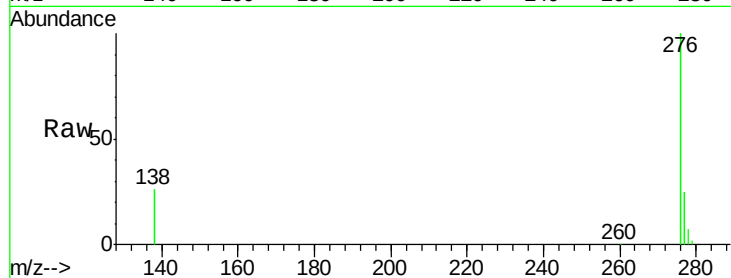




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 3.05 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091285.D
 Acq: 21 Nov 2015 20:29

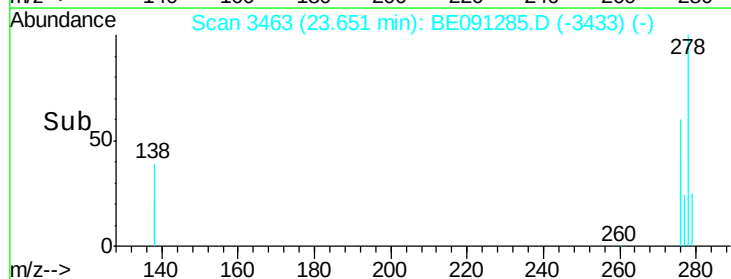
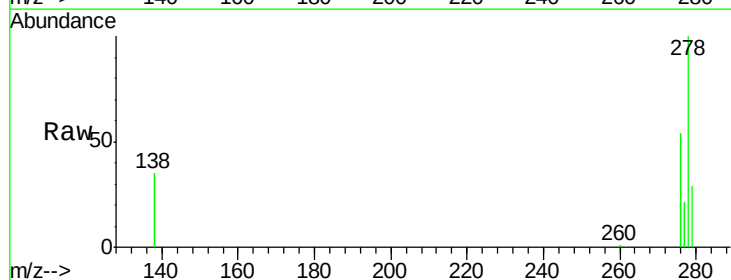
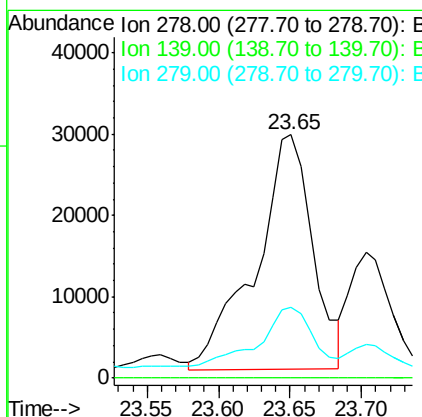
Instrument :
 BNA_E
 ClientSampleId :
 A4J66

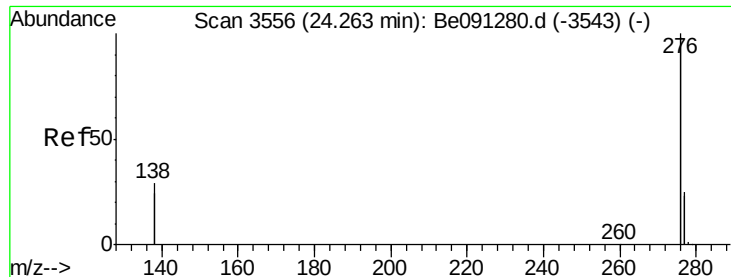
Tgt Ion:276 Resp: 902850
 Ion Ratio Lower Upper
 276 100
 138 26.0 27.5 41.3#
 277 23.9 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 1.15 ng/ul
 RT: 23.65 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091285.D
 Acq: 21 Nov 2015 20:29

Tgt Ion:278 Resp: 80647
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 29.0 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 2.73 ng/ul

RT: 24.25 min Scan# 3555

Delta R.T. -0.01 min

Lab File: BE091285.D

Acq: 21 Nov 2015 20:29

Instrument :

BNA_E

ClientSampleId :

A4J66

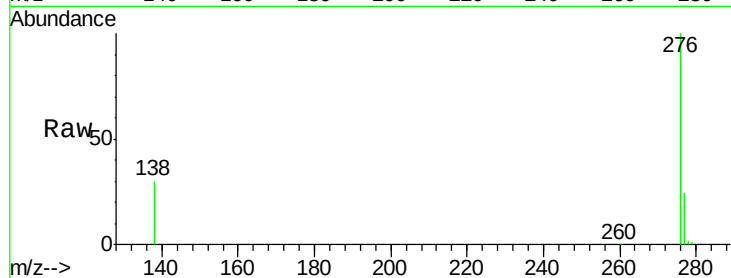
Tgt Ion: 276 Resp: 845078

Ion Ratio Lower Upper

276 100

277 24.4 21.3 31.9

138 29.9 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

