

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091283.D
 Acq On : 21 Nov 2015 19:17
 Operator : UM/NP
 Sample : G4345-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J64

Quant Time: Nov 22 02:01:57 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	2727	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	12886	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7324	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1253705	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	18465	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1398769	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	23220	11.84	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	5759	0.33	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	15604	0.00	ng/ul	0.00

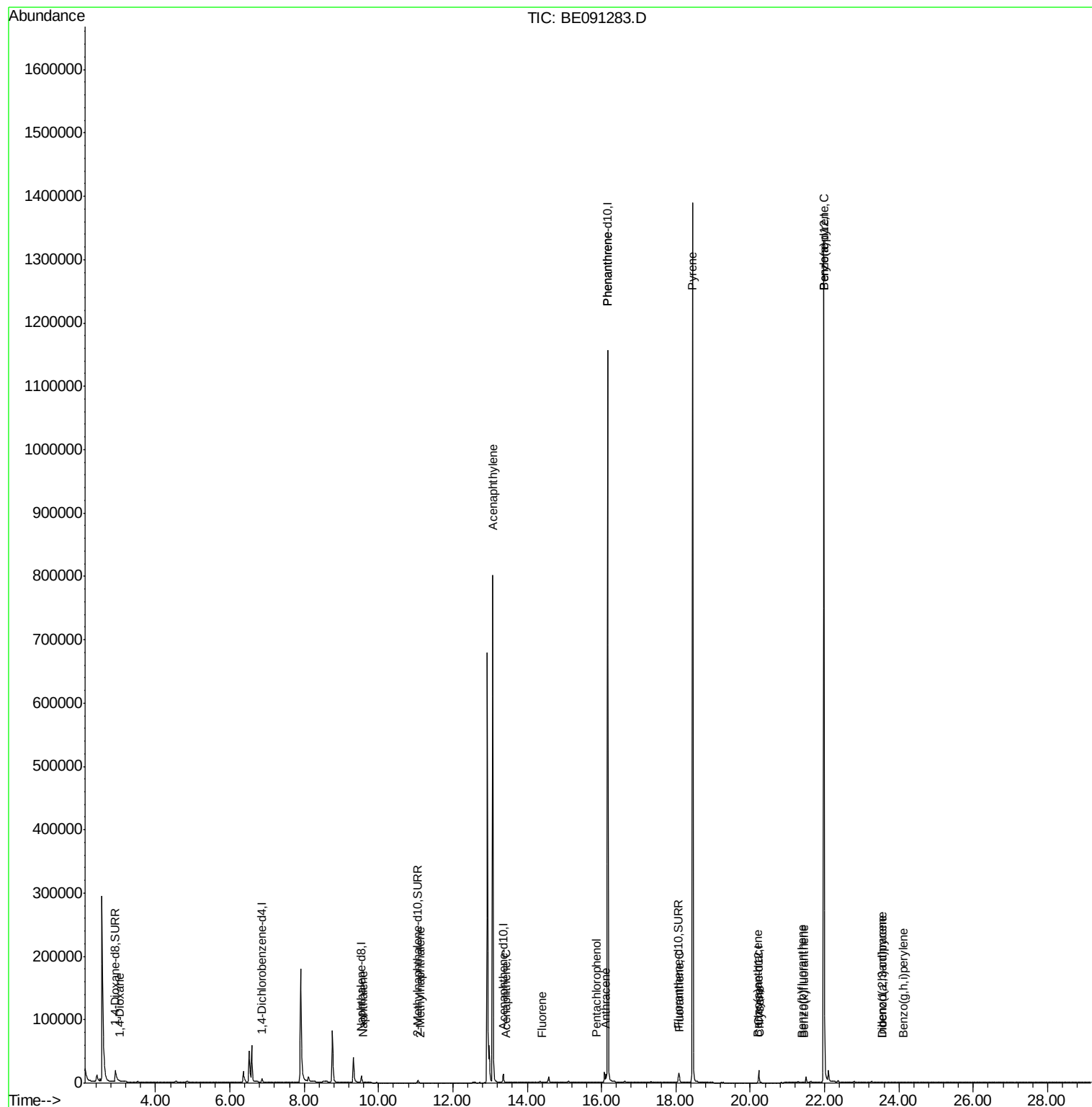
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.05	88	102	0.05	ng/ul#	57
5) Naphthalene	9.58	128	983	0.03	ng/ul#	65
7) 2-Methylnaphthalene	11.13	142	135	0.01	ng/ul	84
9) Acenaphthylene	13.07	152	224	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	121	0.00	ng/ul#	74
11) Fluorene	14.40	166	271	0.01	ng/ul#	89
13) Pentachlorophenol	15.86	266	179	0.00	ng/ul	91
14) Phenanthrene	16.16	178	3976	0.00	ng/ul#	1
15) Anthracene	16.11	178	9207	0.00	ng/ul	93
17) Fluoranthene	18.09	202	8819	0.00	ng/ul	84
19) Pyrene	18.45	202	15577	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	896	0.02	ng/ul#	79
21) Chrysene	20.26	228	1219	0.02	ng/ul#	87
23) Benzo(b)fluoranthene	21.40	252	17	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.43	252	15	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	5763	0.00	ng/ul#	39
26) Indeno(1,2,3-cd)pyrene	23.56	276	139	0.00	ng/ul#	66
27) Dibenzo(a,h)anthracene	23.53	278	21	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.12	276	60	0.00	ng/ul#	1

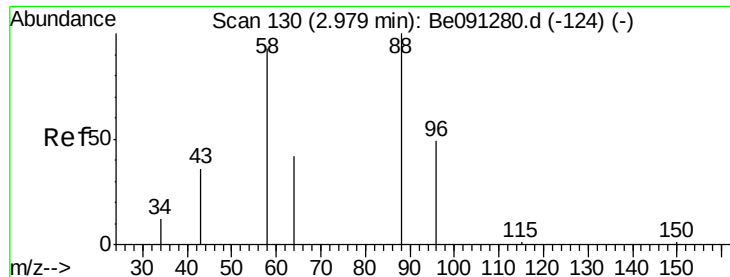
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.05 min Scan# 141

Delta R.T. 0.08 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampled :

A4J64

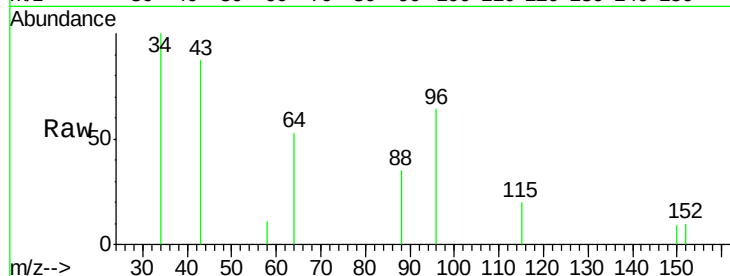
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

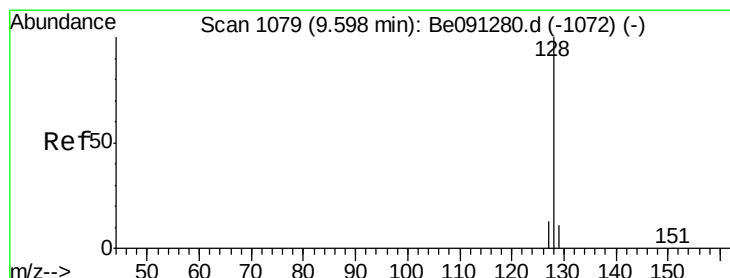
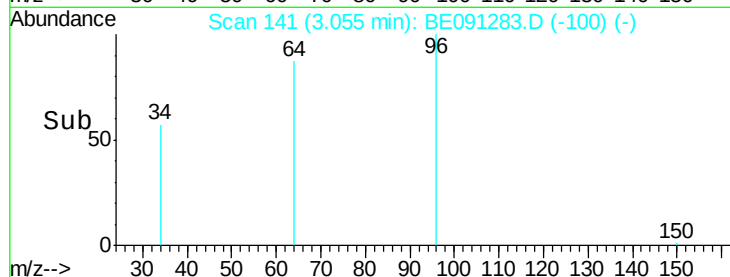
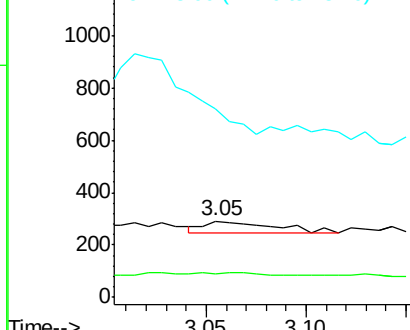
88 100

58 38.2 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: BE091283.D

Acq: 21 Nov 2015 19:17

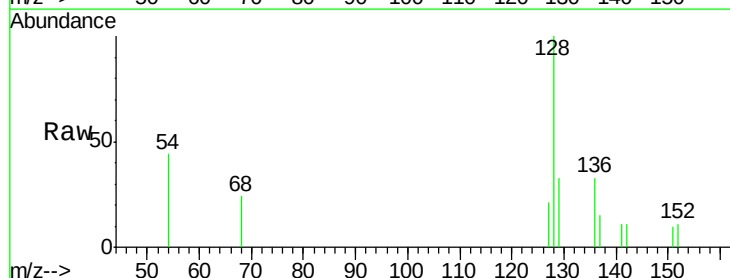
Tgt Ion: 128 Resp: 983

Ion Ratio Lower Upper

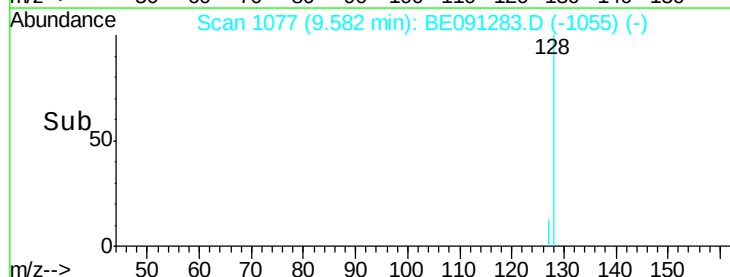
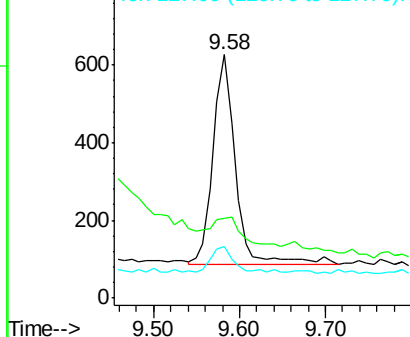
128 100

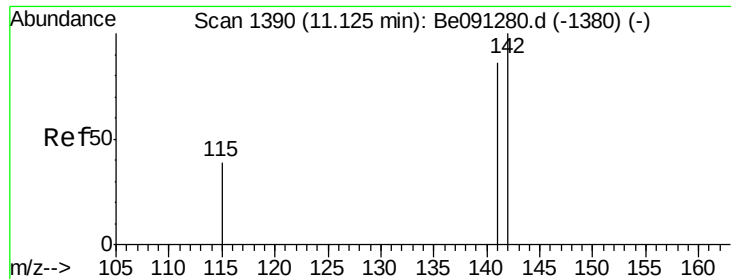
129 32.5 9.8 14.8#

127 21.2 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: 0.01 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

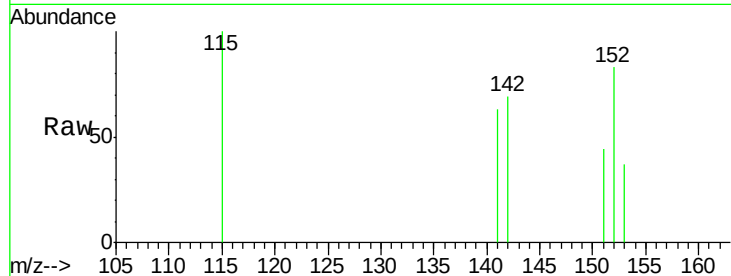
A4J64

Tgt Ion:142 Resp: 135

Ion Ratio Lower Upper

142 100

141 73.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

100

80

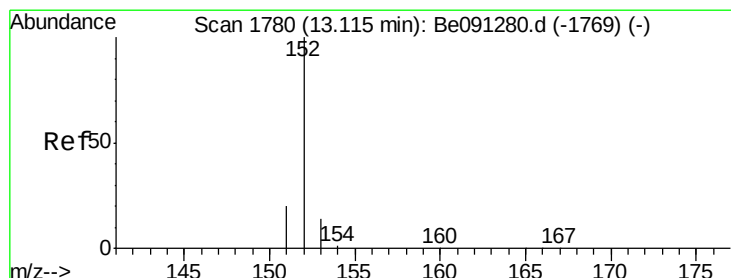
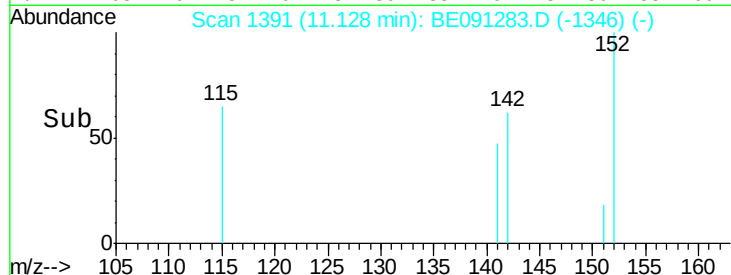
60

40

20

0

Time--> 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.04 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

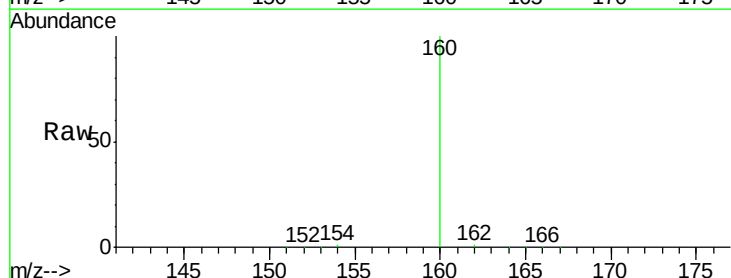
Tgt Ion:152 Resp: 224

Ion Ratio Lower Upper

152 100

151 76.4 16.8 25.2#

153 181.4 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

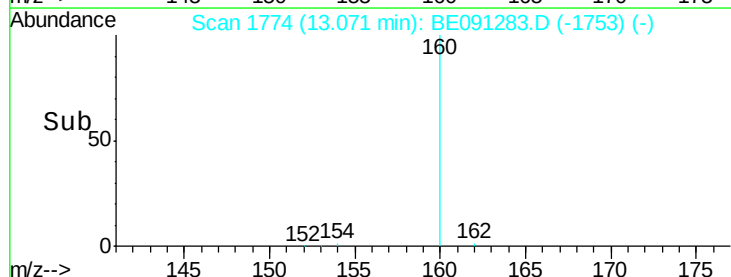
300

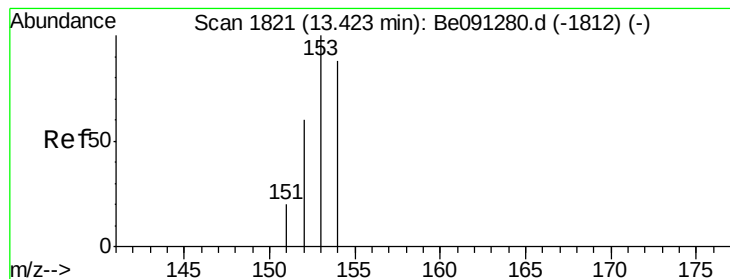
200

100

0

Time--> 13.00 13.10 13.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

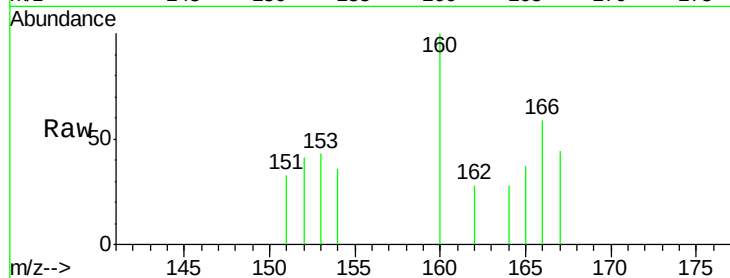
Tgt Ion:153 Resp: 121

Ion Ratio Lower Upper

153 100

152 96.1 42.3 63.5#

154 83.5 64.7 97.1

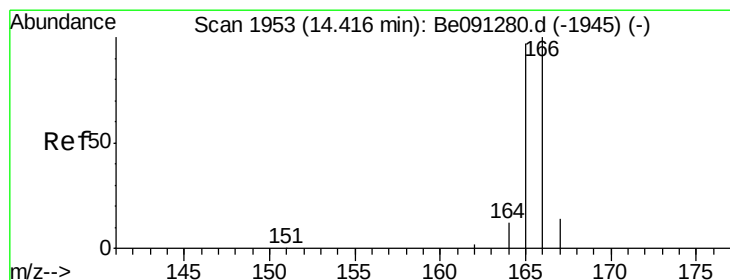
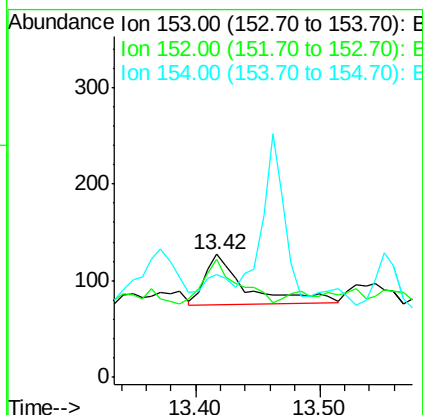
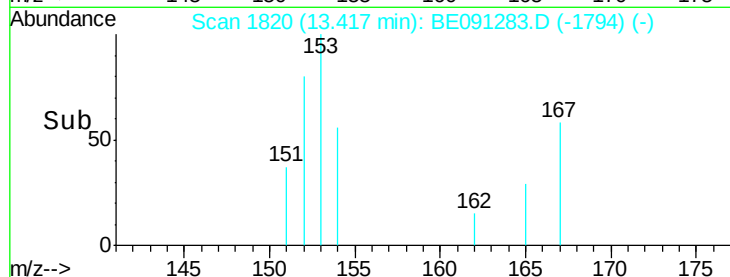


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

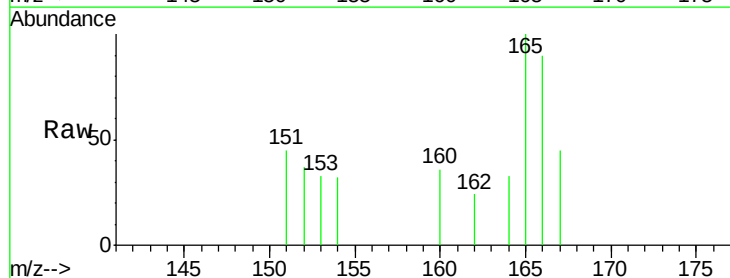
Tgt Ion:166 Resp: 271

Ion Ratio Lower Upper

166 100

165 110.6 87.6 131.4

167 49.5 11.1 16.7#

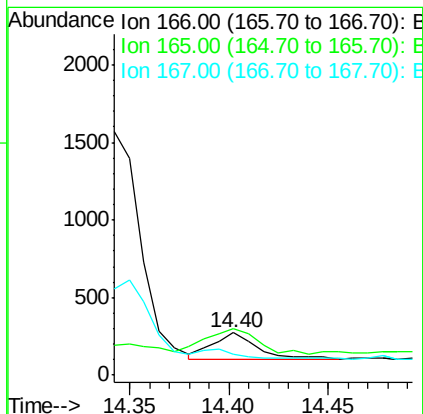
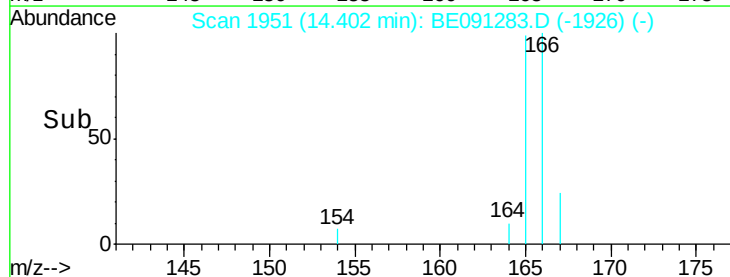


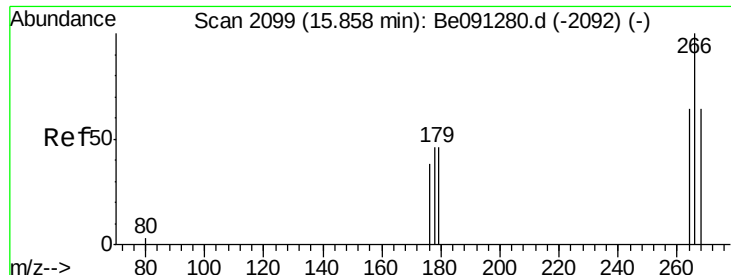
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

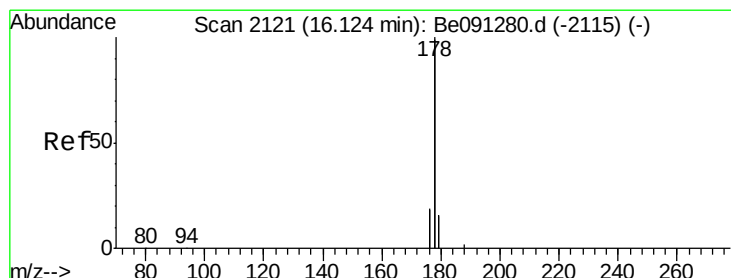
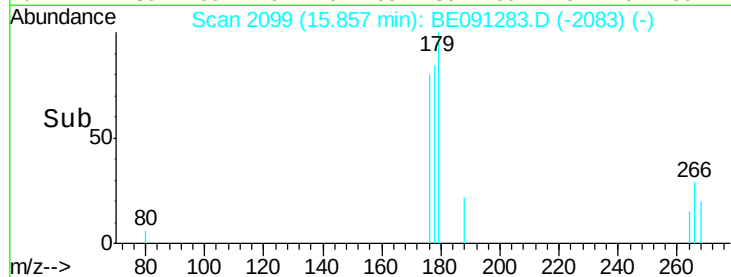
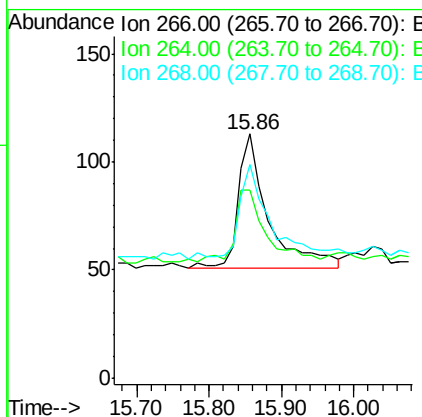
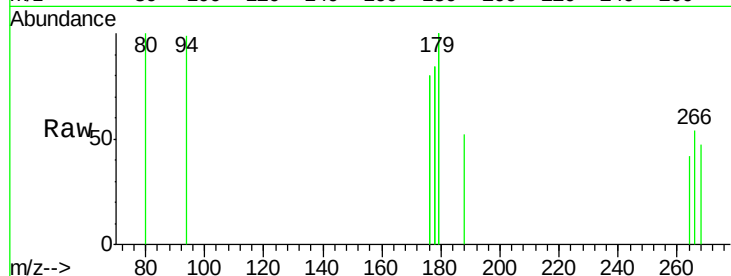




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091283.D
 Acq: 21 Nov 2015 19:17

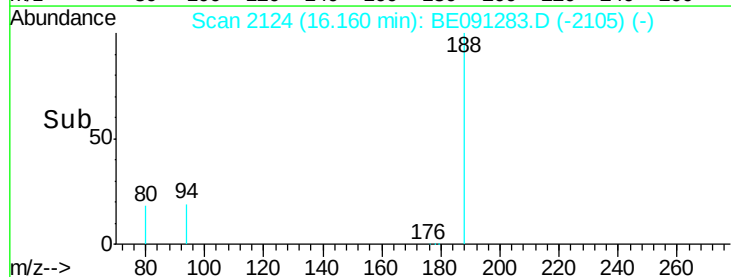
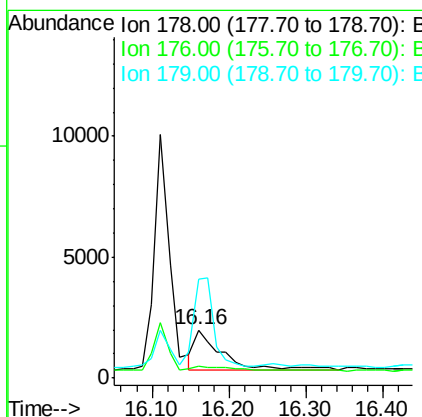
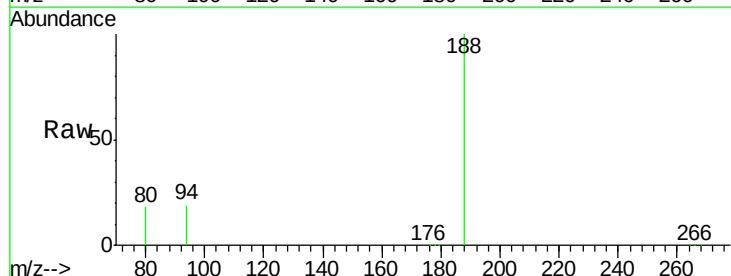
Instrument :
 BNA_E
 ClientSampleId :
 A4J64

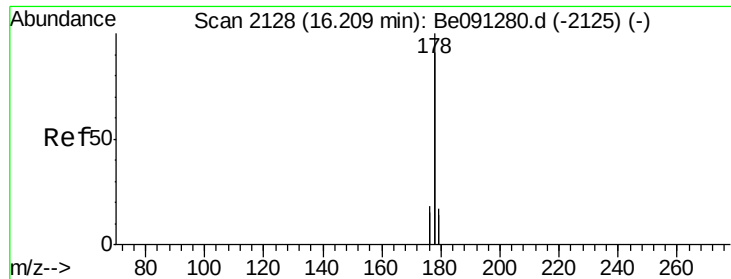
Tgt Ion: 266 Resp: 179
 Ion Ratio Lower Upper
 266 100
 264 54.7 53.5 80.3
 268 69.3 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091283.D
 Acq: 21 Nov 2015 19:17

Tgt Ion: 178 Resp: 3976
 Ion Ratio Lower Upper
 178 100
 176 24.7 16.2 24.4#
 179 207.0 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

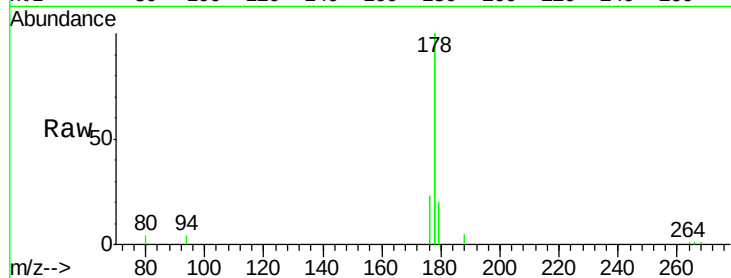
Tgt Ion:178 Resp: 9207

Ion Ratio Lower Upper

178 100

176 22.8 15.8 23.8

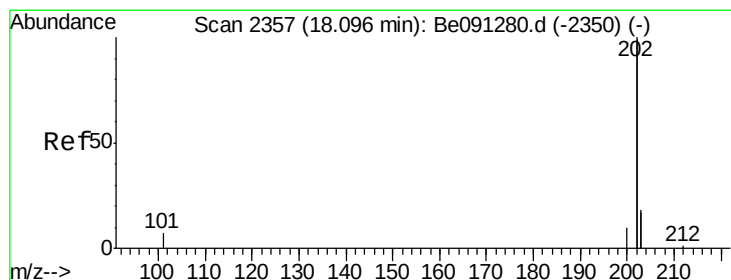
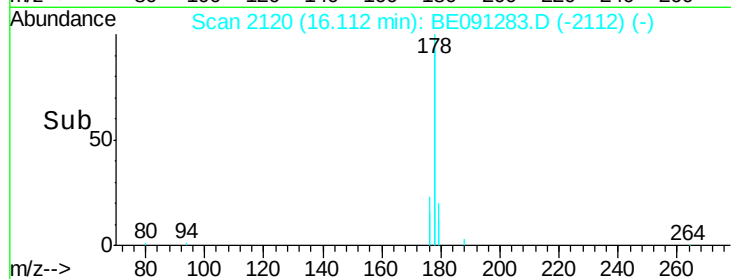
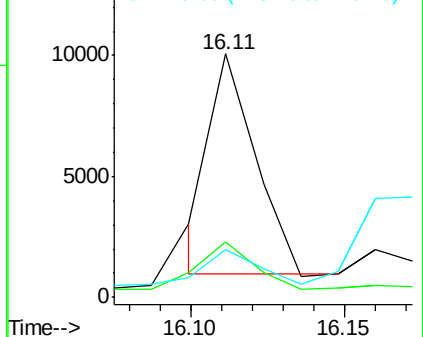
179 19.7 13.3 19.9



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# 2357

Delta R.T. -0.00 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

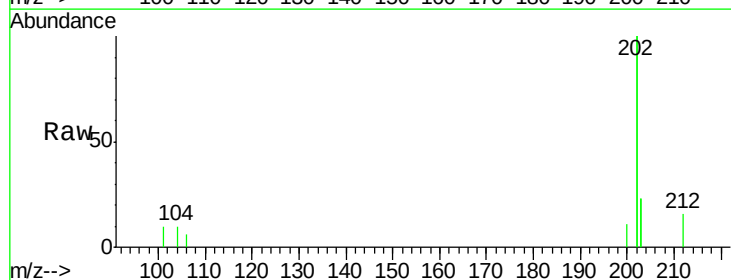
Tgt Ion:202 Resp: 8819

Ion Ratio Lower Upper

202 100

101 5.1 0.0 33.1

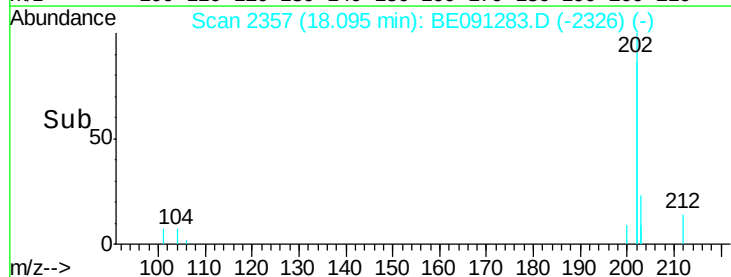
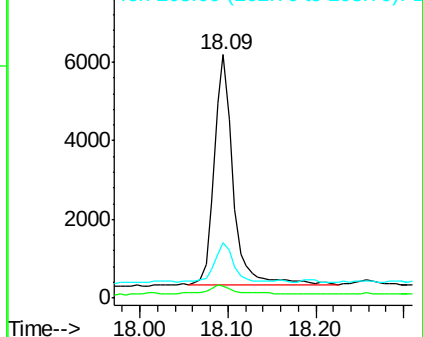
203 22.6 0.0 37.2

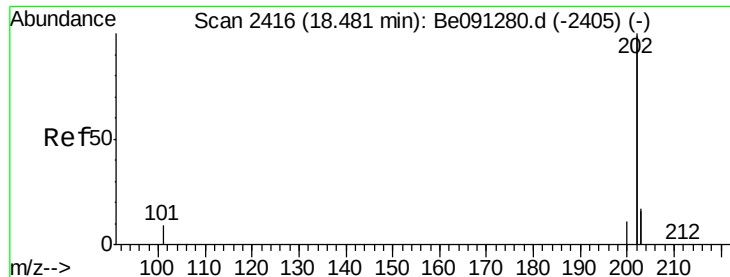


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.03 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

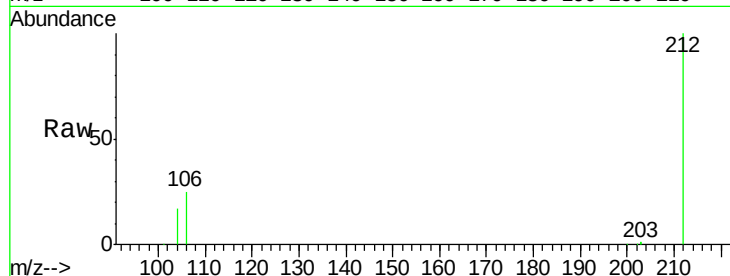
Tgt Ion:202 Resp: 15577

Ion Ratio Lower Upper

202 100

200 2.0 18.0 27.0#

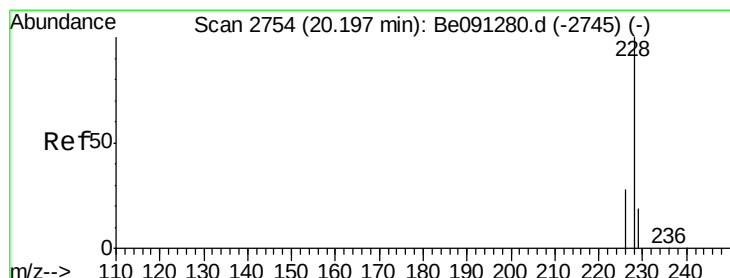
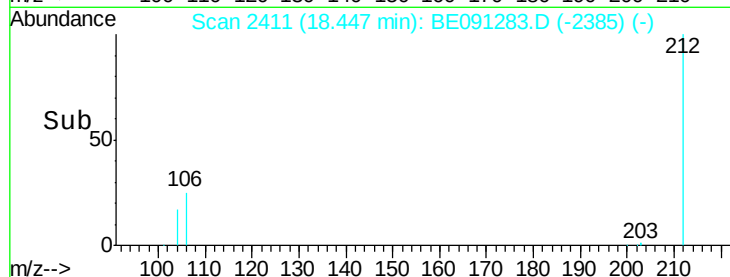
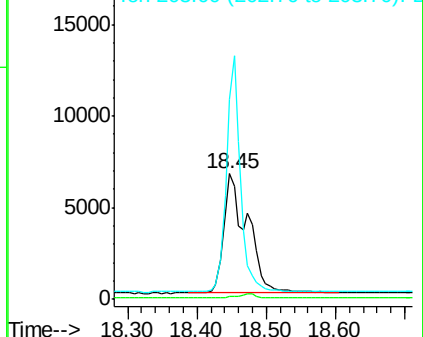
203 159.5 13.8 20.6#



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: 0.02 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

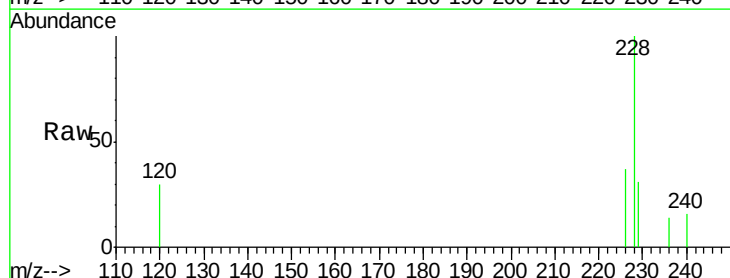
Tgt Ion:228 Resp: 896

Ion Ratio Lower Upper

228 100

226 37.4 23.0 34.4#

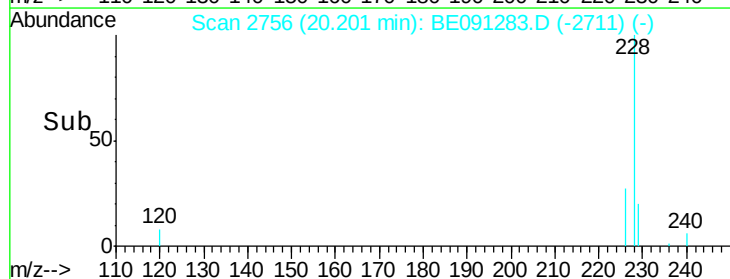
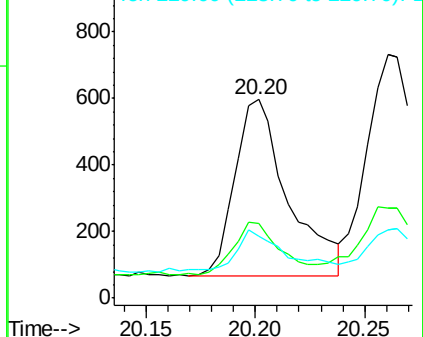
229 31.3 15.2 22.8#

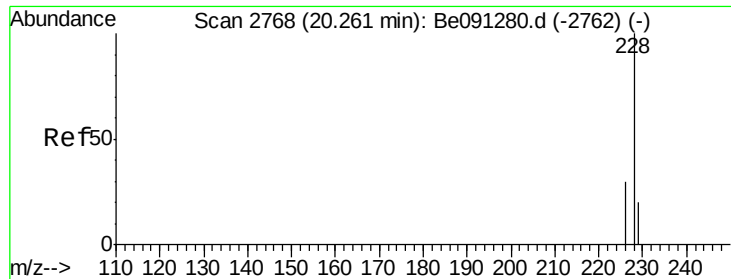


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

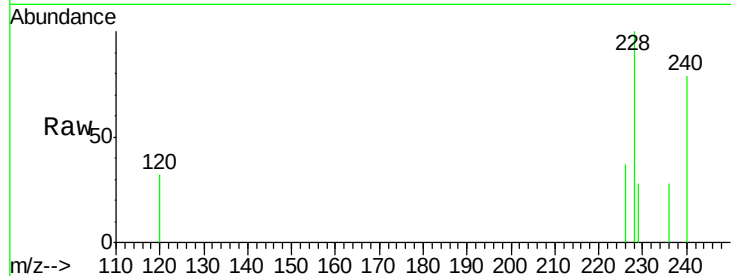
Tgt Ion:228 Resp: 1219

Ion Ratio Lower Upper

228 100

226 36.7 25.7 38.5

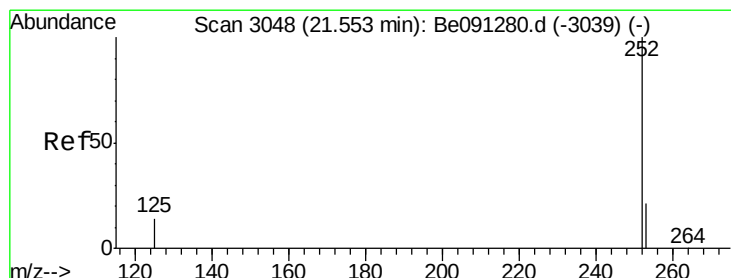
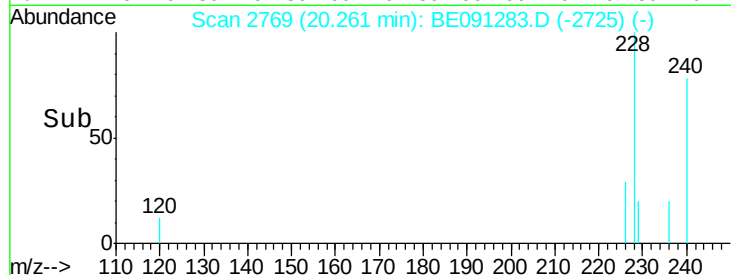
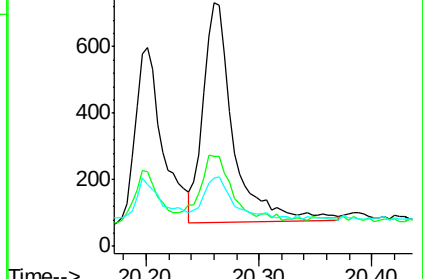
229 27.9 15.2 22.8#



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: 0.00 ng/ul

RT: 21.40 min Scan# 3015

Delta R.T. -0.16 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

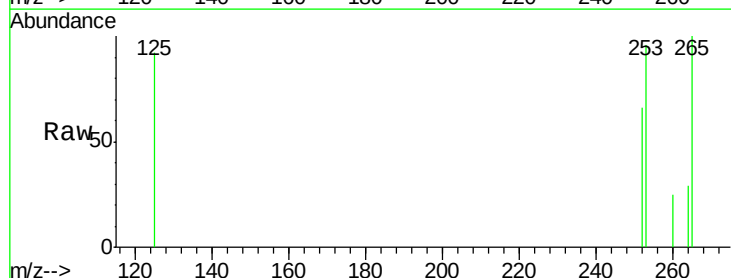
Tgt Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

253 145.6 0.0 48.0#

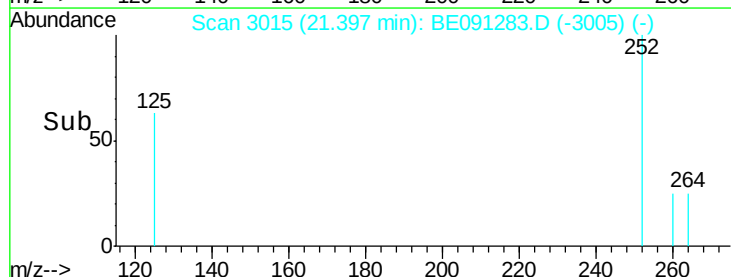
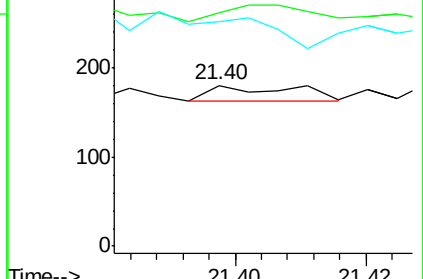
125 140.0 0.0 36.6#

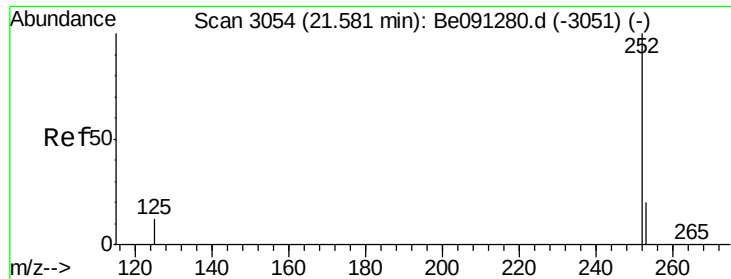


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.43 min Scan# 3022

Delta R.T. -0.15 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

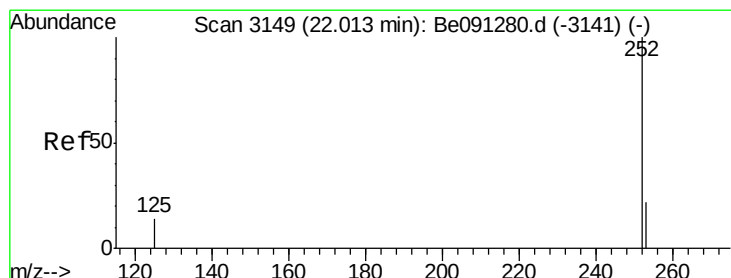
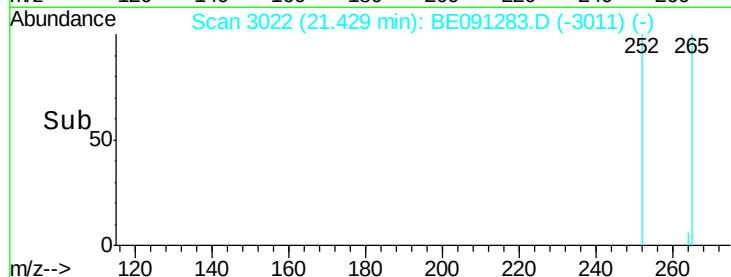
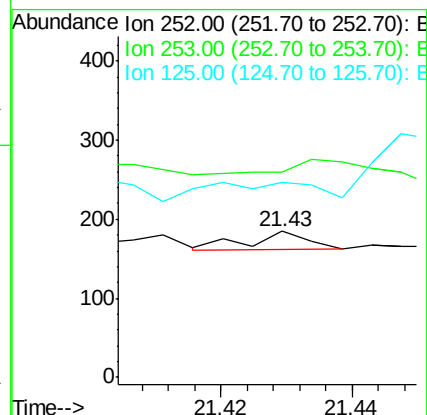
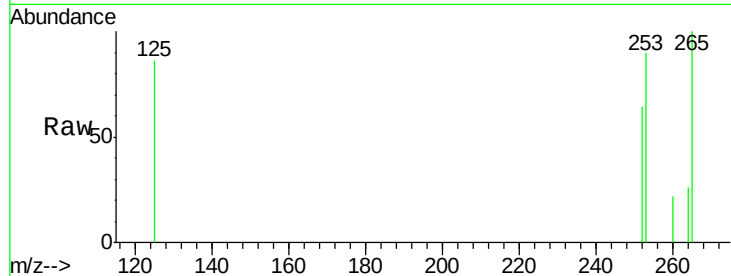
Tgt Ion:252 Resp: 15

Ion Ratio Lower Upper

252 100

253 140.0 20.8 31.2#

125 133.5 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

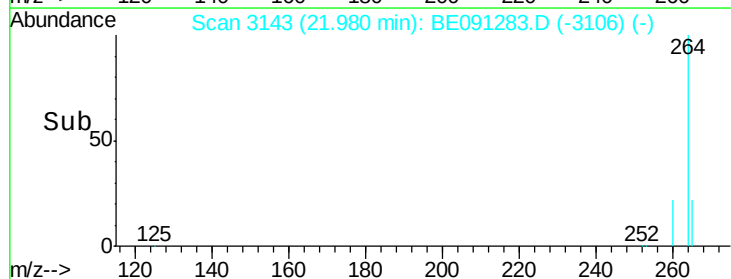
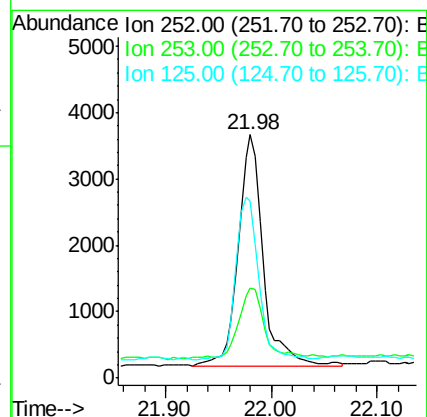
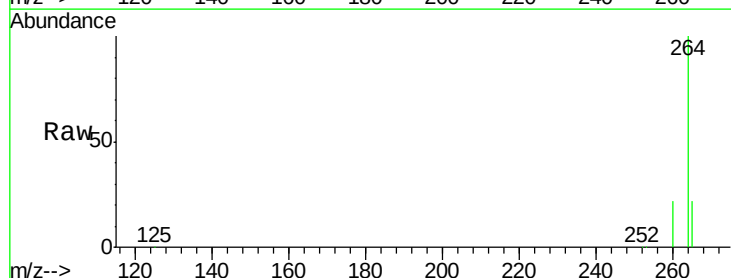
Tgt Ion:252 Resp: 5763

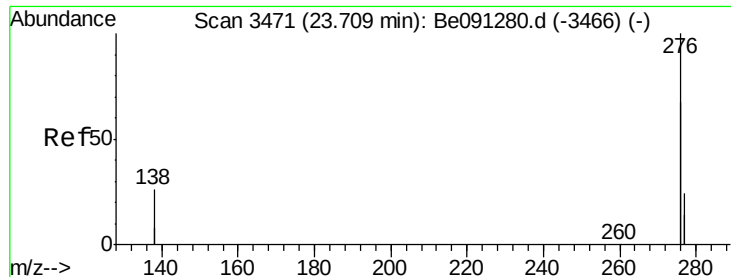
Ion Ratio Lower Upper

252 100

253 37.1 21.8 32.8#

125 73.0 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.56 min Scan# 3450

Delta R.T. -0.15 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

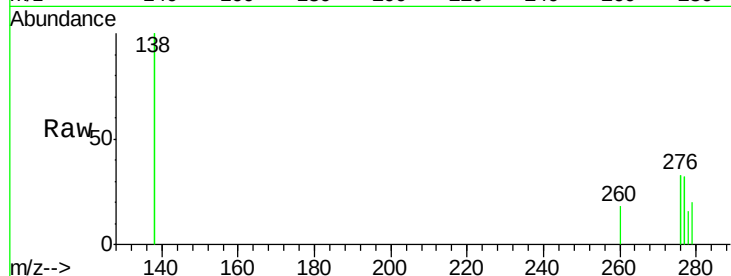
Tgt Ion:276 Resp: 139

Ion Ratio Lower Upper

276 100

138 48.2 27.5 41.3#

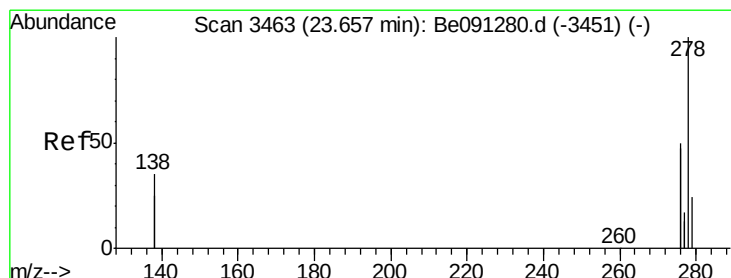
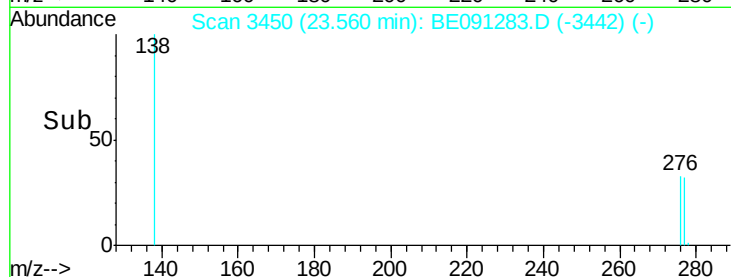
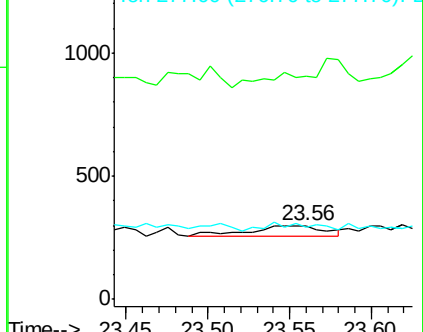
277 0.0 19.3 28.9#



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: 0.00 ng/ul

RT: 23.53 min Scan# 3446

Delta R.T. -0.12 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

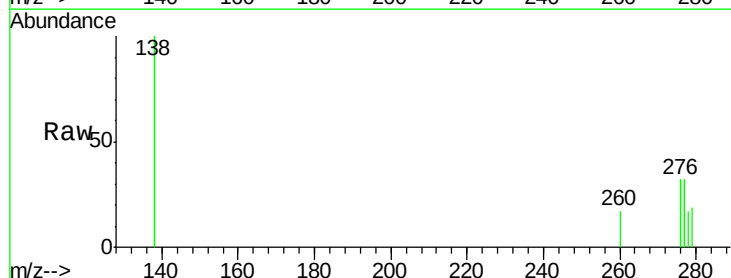
Tgt Ion:278 Resp: 21

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

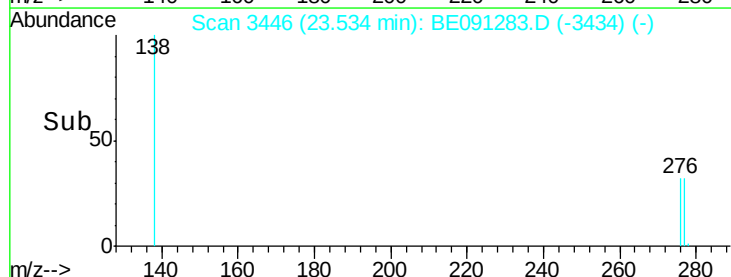
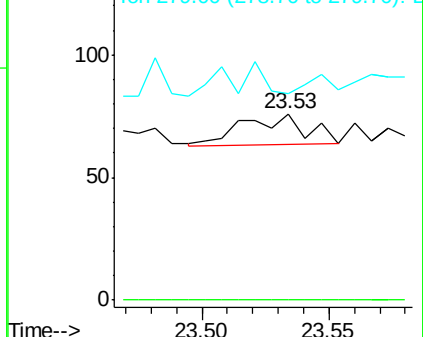
279 110.5 21.9 32.9#

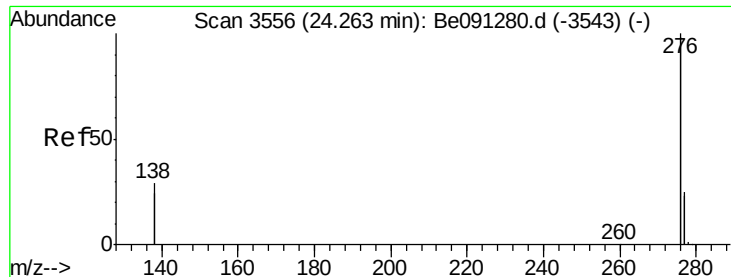


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.12 min Scan# 3536

Delta R.T. -0.14 min

Lab File: BE091283.D

Acq: 21 Nov 2015 19:17

Instrument :

BNA_E

ClientSampleId :

A4J64

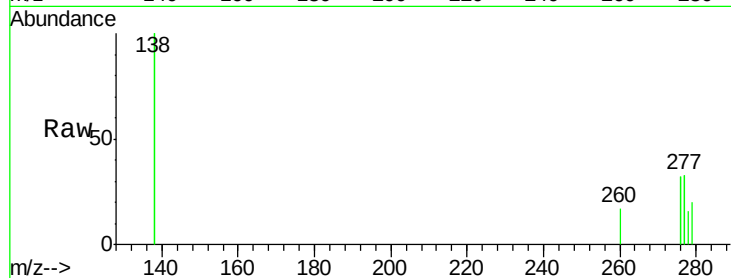
Tgt Ion:276 Resp: 60

Ion Ratio Lower Upper

276 100

277 102.1 21.3 31.9#

138 311.3 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

