

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091284.D
 Acq On : 21 Nov 2015 19:53
 Operator : UM/NP
 Sample : G4345-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J65

Quant Time: Nov 22 02:02:18 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	2921	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	13965	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	903461	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	18935	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1032348	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	15969	7.60	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	3761	0.20	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	10849	0.00	ng/ul	0.00

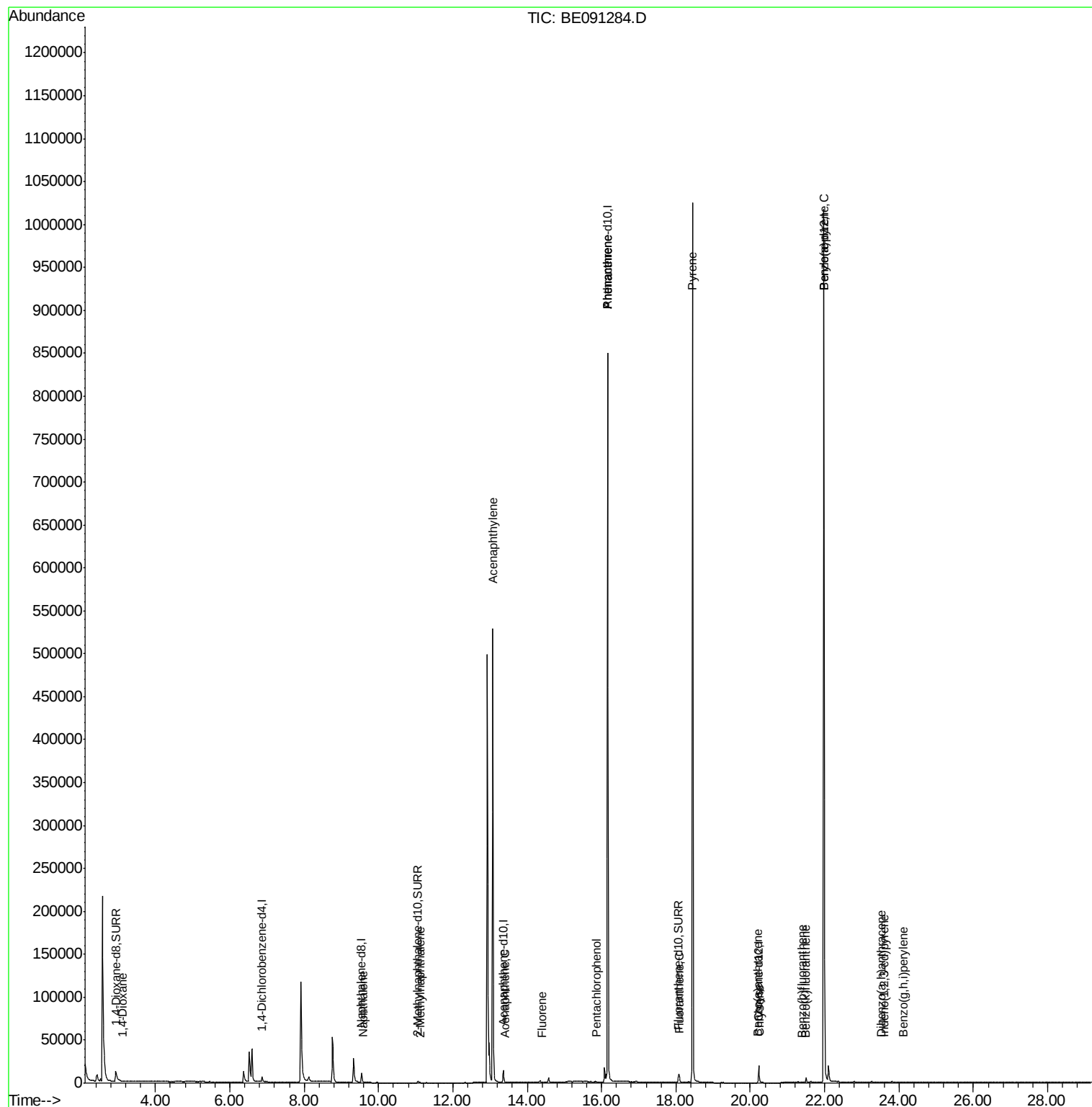
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.12	88	16	0.01	ng/ul#	1
5) Naphthalene	9.58	128	572	0.02	ng/ul#	39
7) 2-Methylnaphthalene	11.14	142	61	0.00	ng/ul	96
9) Acenaphthylene	13.07	152	200	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	99	0.00	ng/ul#	72
11) Fluorene	14.40	166	187	0.01	ng/ul#	77
13) Pentachlorophenol	15.86	266	164	0.00	ng/ul#	88
14) Phenanthrene	16.16	178	2682	0.00	ng/ul#	1
15) Anthracene	16.16	178	2554	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	6278	0.00	ng/ul	83
19) Pyrene	18.45	202	11591	0.05	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	721	0.01	ng/ul#	76
21) Chrysene	20.26	228	846	0.02	ng/ul#	80
23) Benzo(b)fluoranthene	21.40	252	26	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.47	252	13	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	3962	0.00	ng/ul#	42
26) Indeno(1,2,3-cd)pyrene	23.60	276	29	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.52	278	18	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	37	0.00	ng/ul#	1

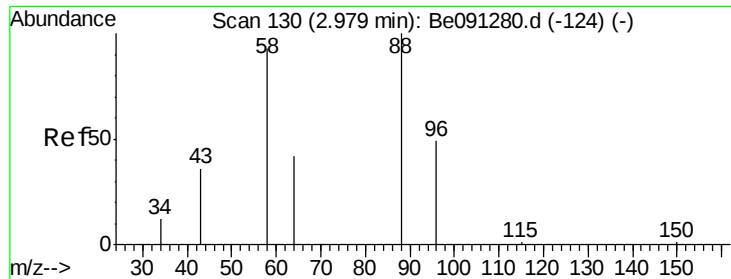
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.12 min Scan# 151

Delta R.T. 0.14 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

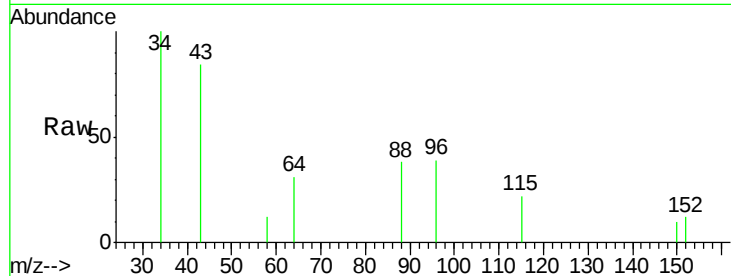
Tgt Ion: 88 Resp: 16

Ion Ratio Lower Upper

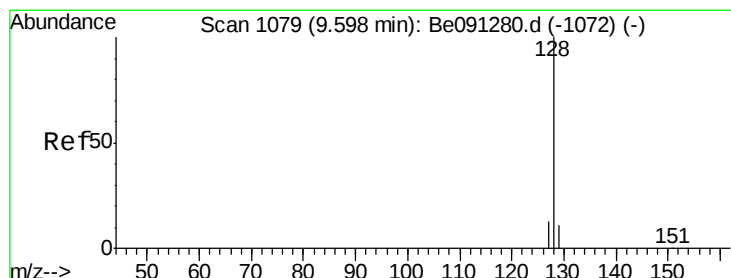
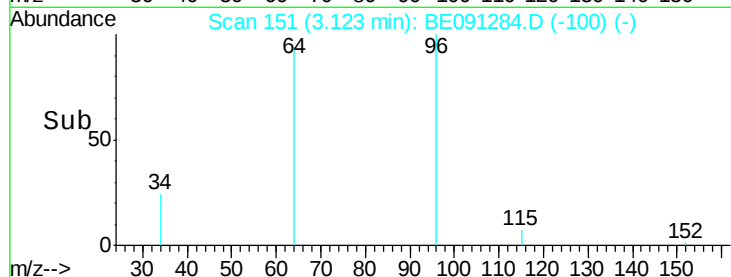
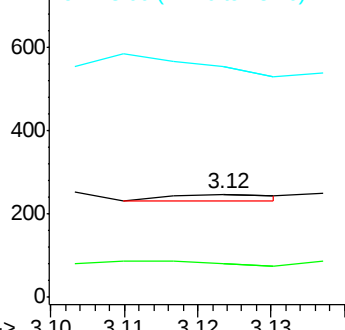
88 100

58 81.3 55.4 83.2

43 375.0 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: 0.02 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

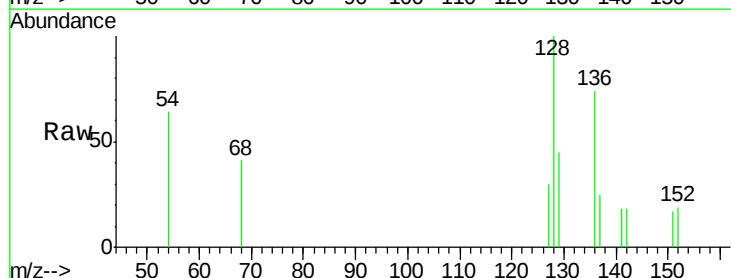
Tgt Ion: 128 Resp: 572

Ion Ratio Lower Upper

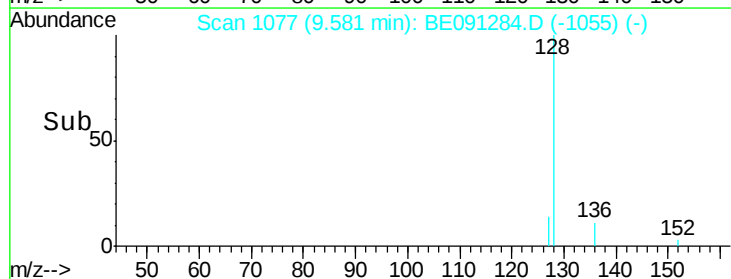
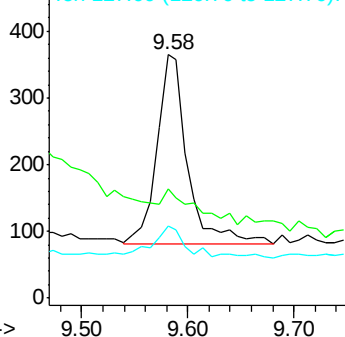
128 100

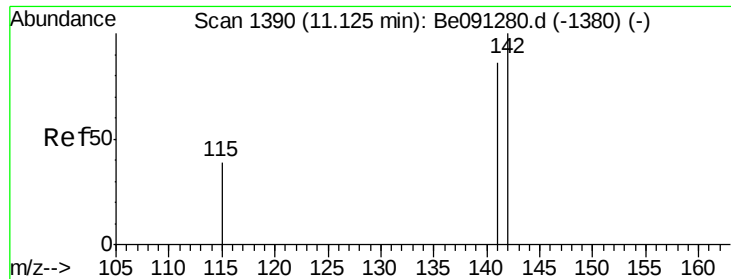
129 44.9 9.8 14.8#

127 29.9 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: 0.00 ng/ul

RT: 11.14 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

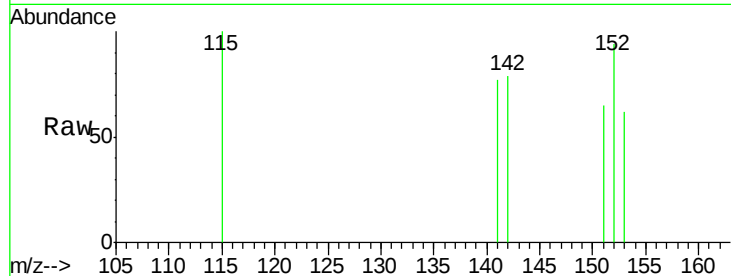
A4J65

Tgt Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

141 91.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

100

80

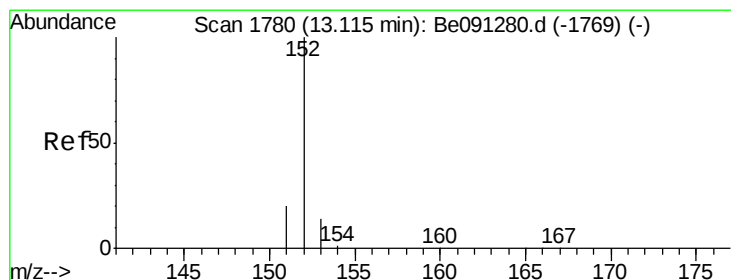
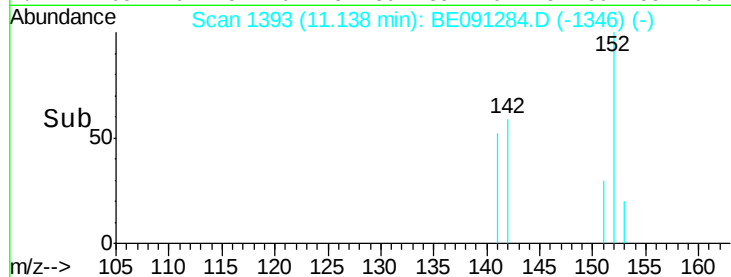
60

40

20

0

Time--> 11.10 11.15



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.04 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

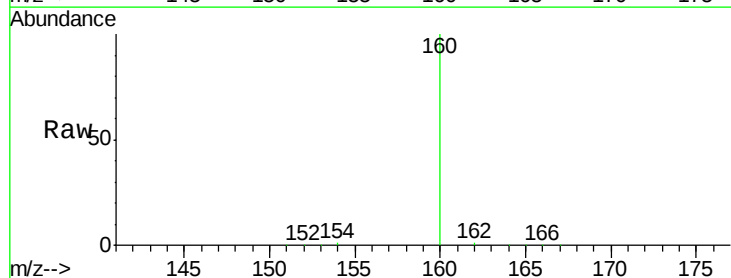
Tgt Ion:152 Resp: 200

Ion Ratio Lower Upper

152 100

151 88.9 16.8 25.2#

153 162.0 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

200

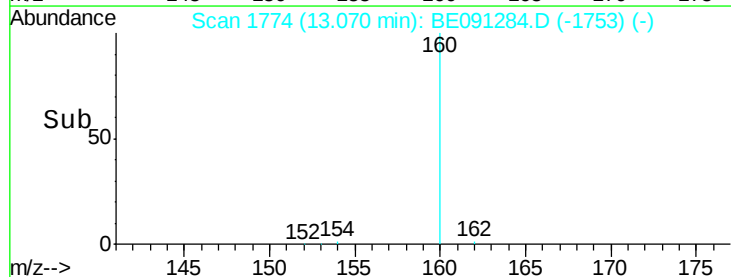
150

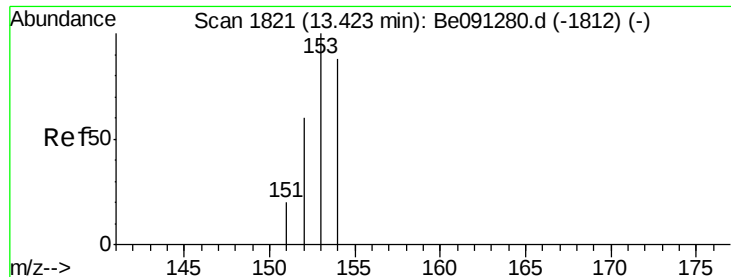
100

50

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: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

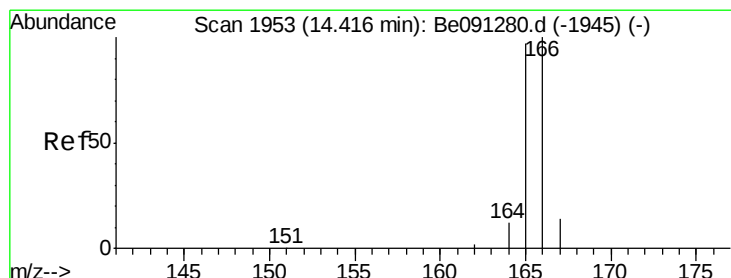
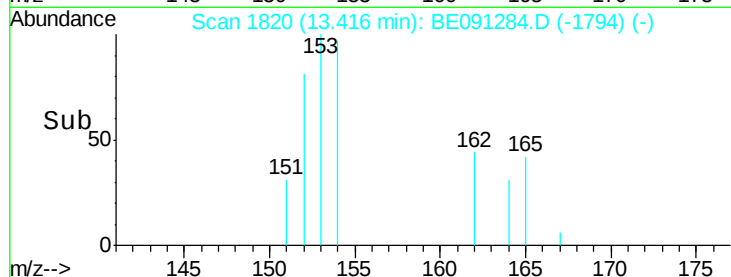
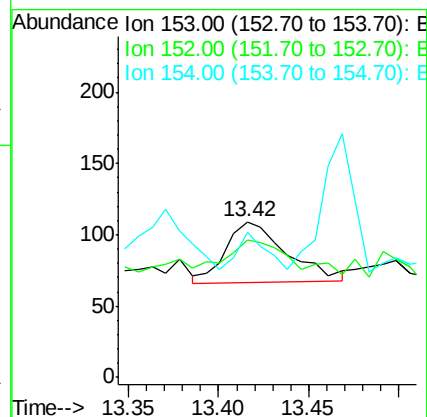
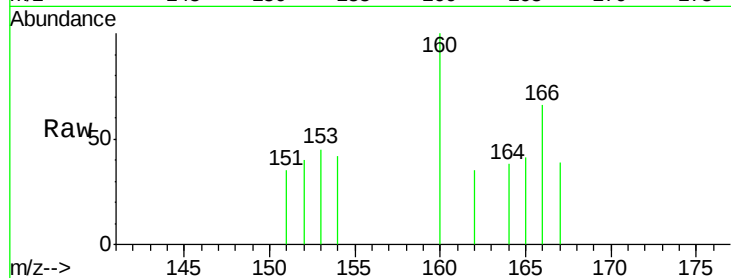
Tgt Ion:153 Resp: 99

Ion Ratio Lower Upper

153 100

152 88.1 42.3 63.5#

154 93.6 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

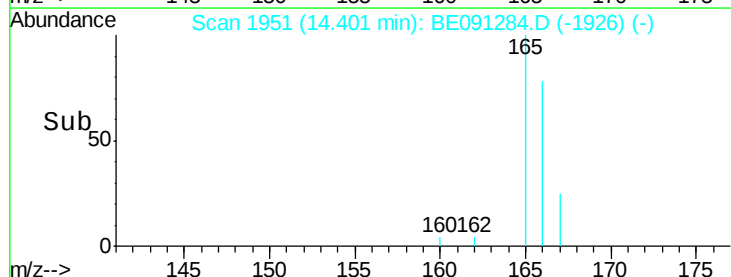
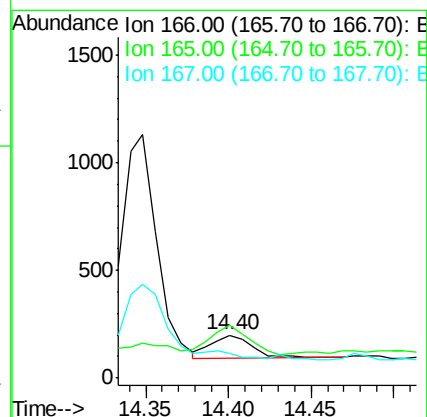
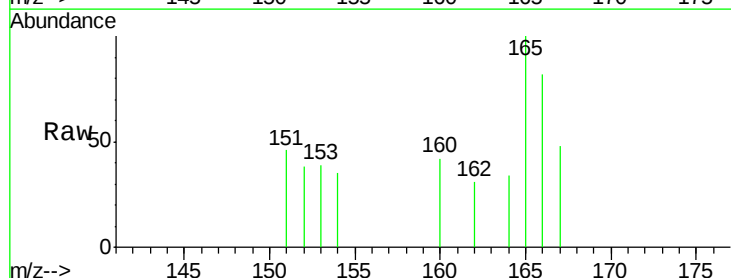
Tgt Ion:166 Resp: 187

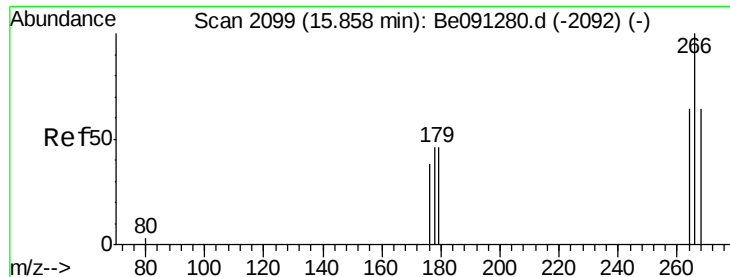
Ion Ratio Lower Upper

166 100

165 122.1 87.6 131.4

167 58.3 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: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

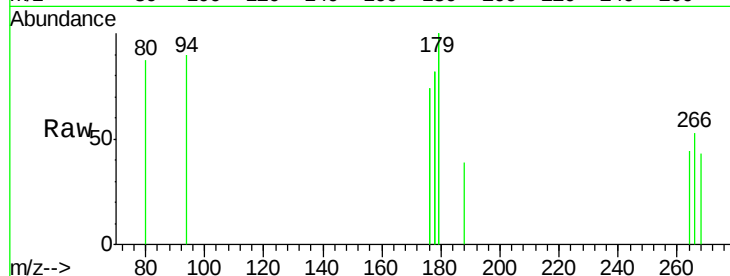
Tgt Ion:266 Resp: 164

Ion Ratio Lower Upper

266 100

264 82.3 53.5 80.3#

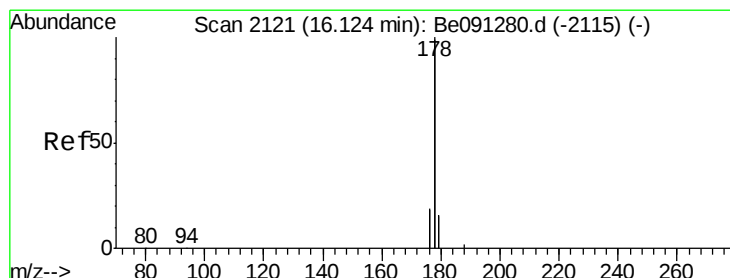
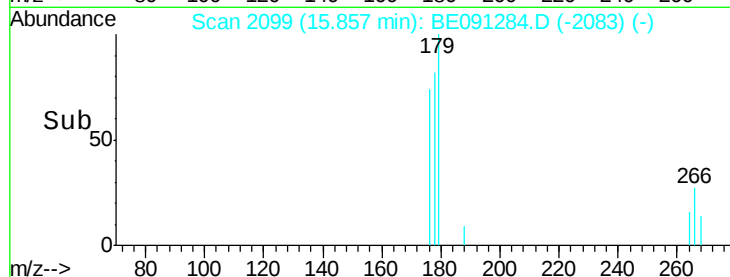
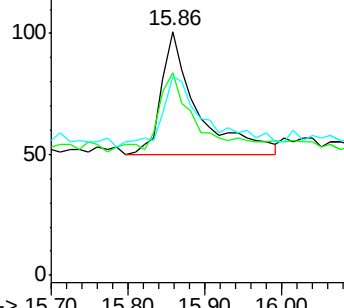
268 71.3 54.2 81.2



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



#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. 0.04 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

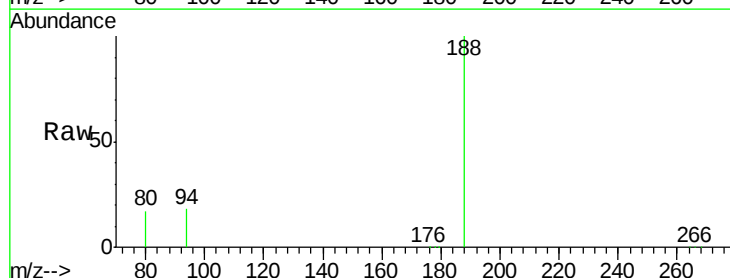
Tgt Ion:178 Resp: 2682

Ion Ratio Lower Upper

178 100

176 27.8 16.2 24.4#

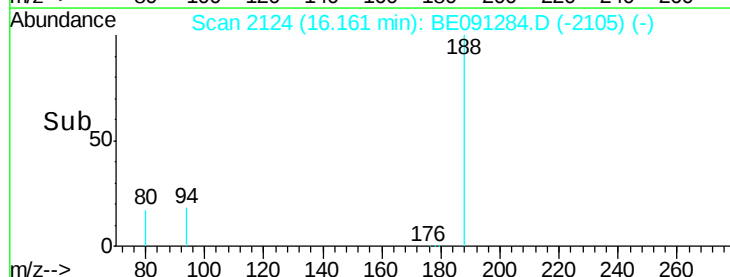
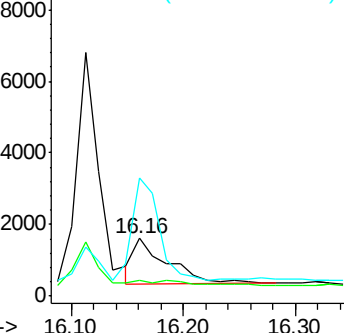
179 204.7 12.8 19.2#

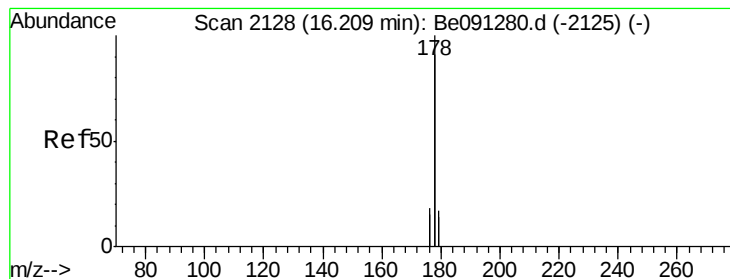


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

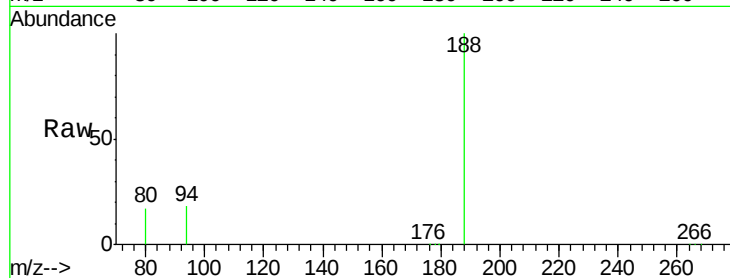
Tgt Ion:178 Resp: 2554

Ion Ratio Lower Upper

178 100

176 27.8 15.8 23.8#

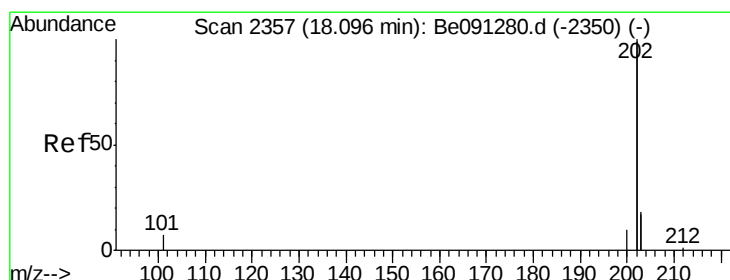
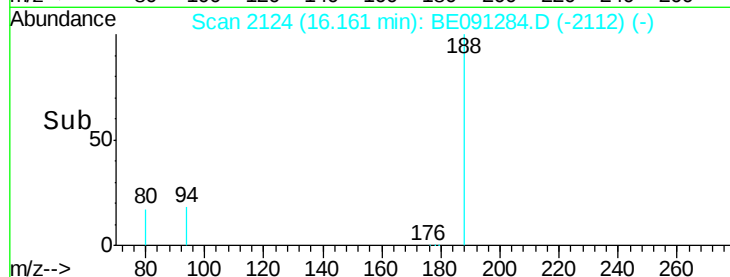
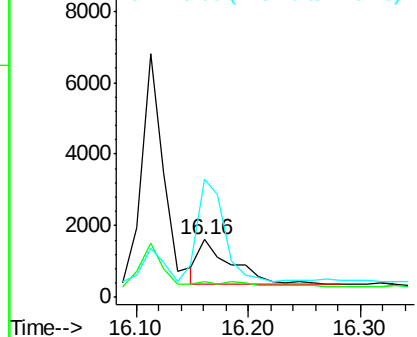
179 204.7 13.3 19.9#



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: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

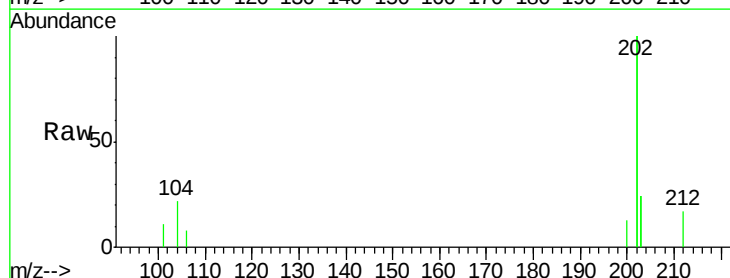
Tgt Ion:202 Resp: 6278

Ion Ratio Lower Upper

202 100

101 5.6 0.0 33.1

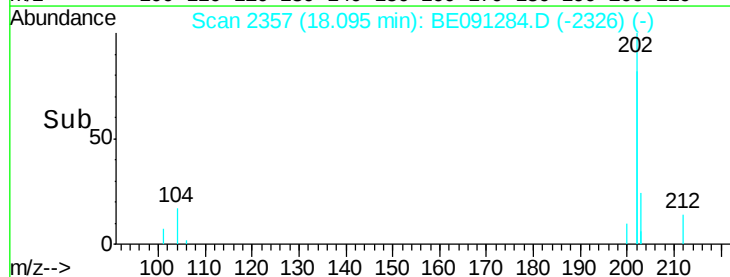
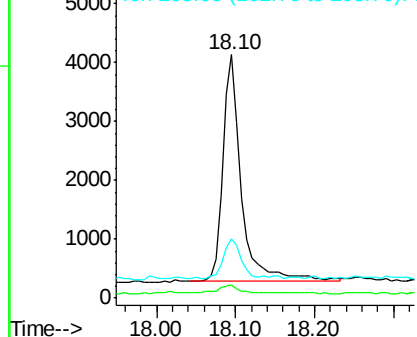
203 24.3 0.0 37.2

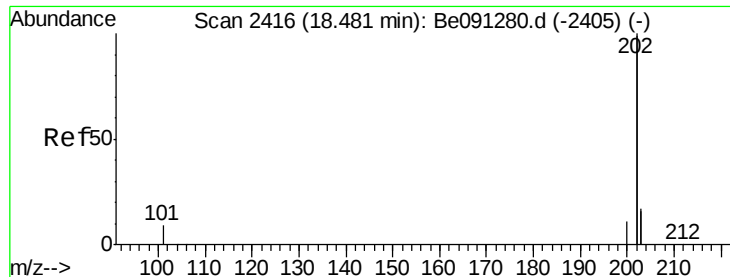


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.05 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.03 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

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A4J65

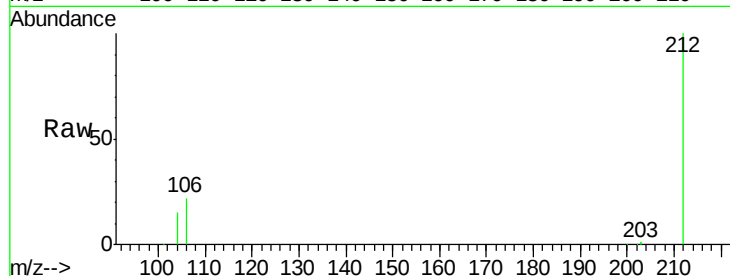
Tgt Ion:202 Resp: 11591

Ion Ratio Lower Upper

202 100

200 2.4 18.0 27.0#

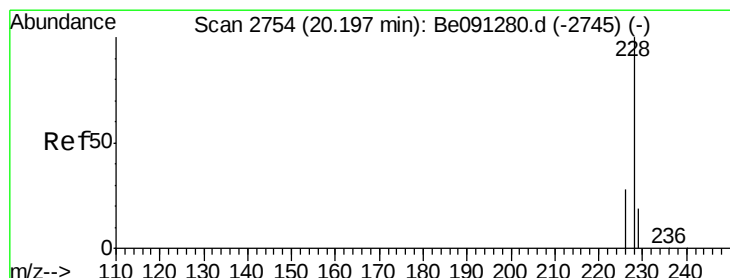
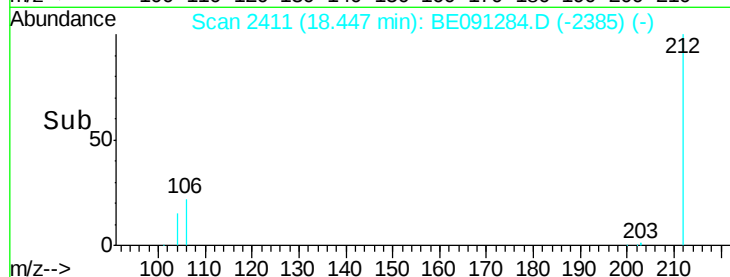
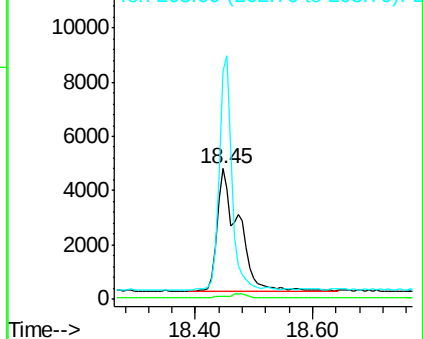
203 174.4 13.8 20.6#



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: 0.01 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

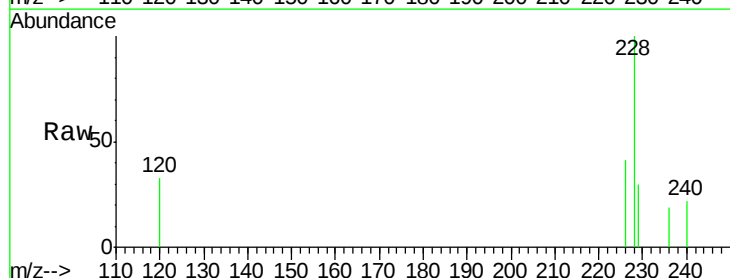
Tgt Ion:228 Resp: 721

Ion Ratio Lower Upper

228 100

226 41.1 23.0 34.4#

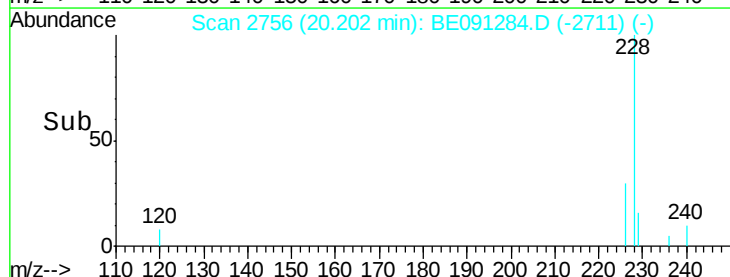
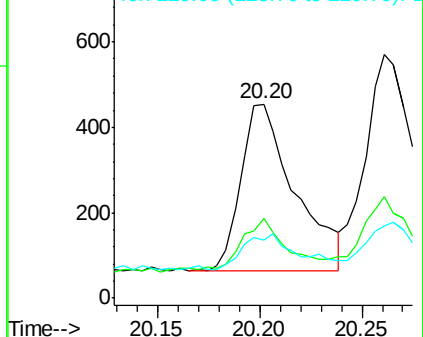
229 29.9 15.2 22.8#

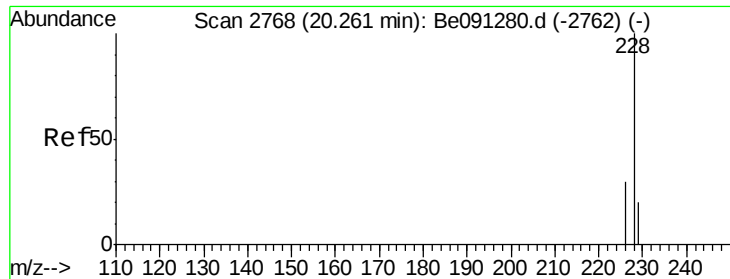


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

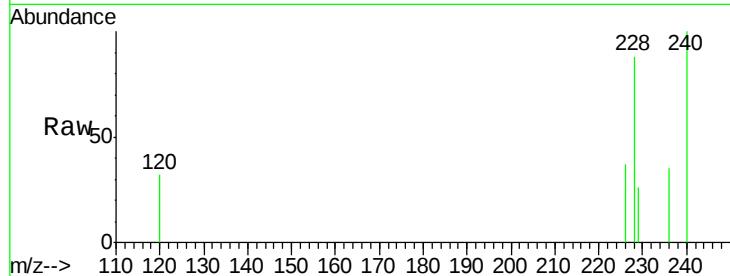
Tgt Ion:228 Resp: 846

Ion Ratio Lower Upper

228 100

226 41.8 25.7 38.5#

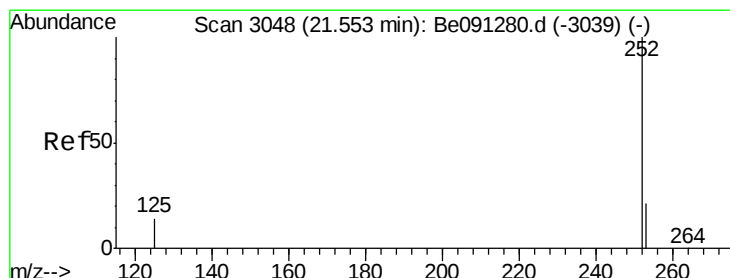
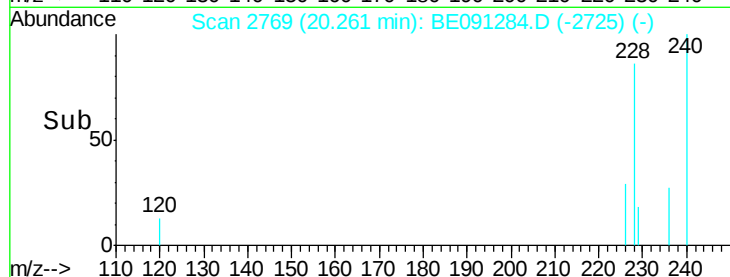
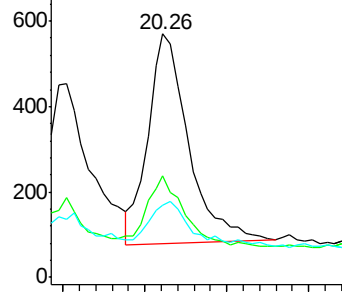
229 29.6 15.2 22.8#



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: BE091284.D

Acq: 21 Nov 2015 19:53

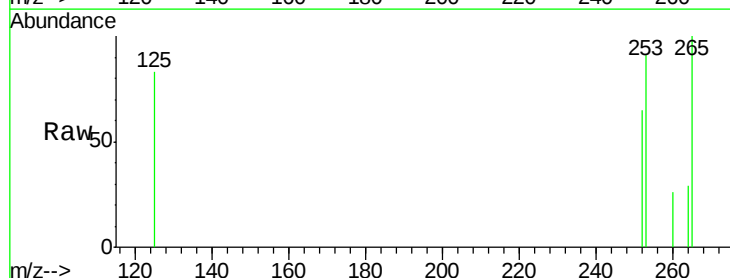
Tgt Ion:252 Resp: 26

Ion Ratio Lower Upper

252 100

253 138.9 0.0 48.0#

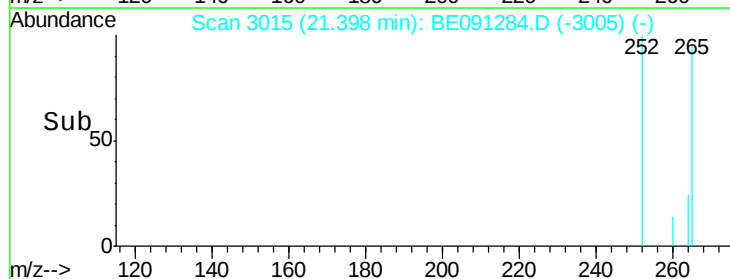
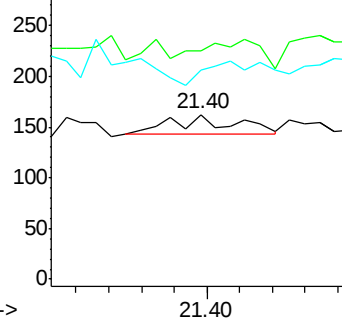
125 127.2 0.0 36.6#

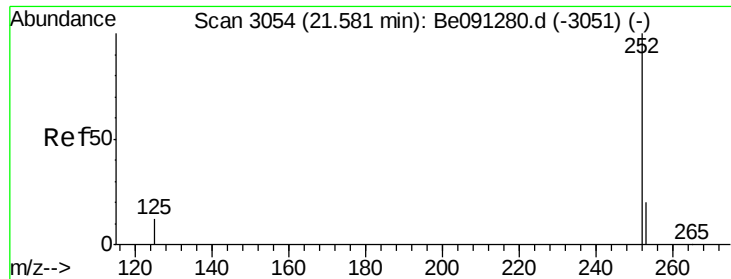


Abundance Ion 252.00 (251.70 to 252.70): E

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: 21.47 min Scan# 3031

Delta R.T. -0.11 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

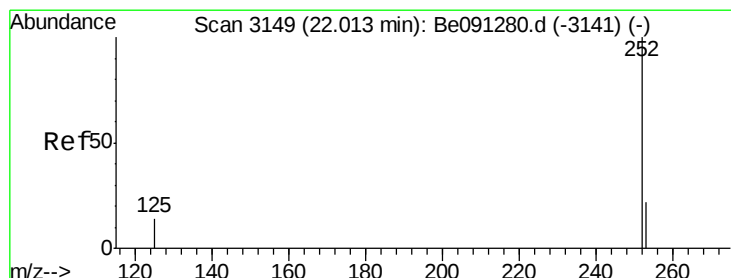
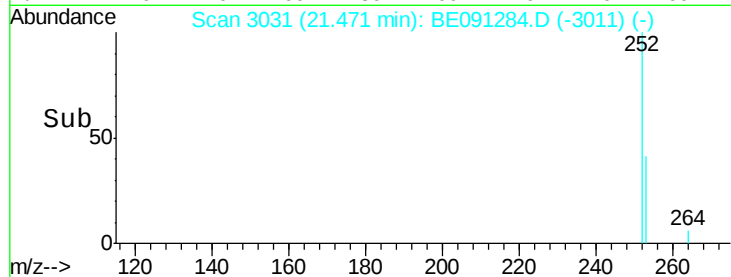
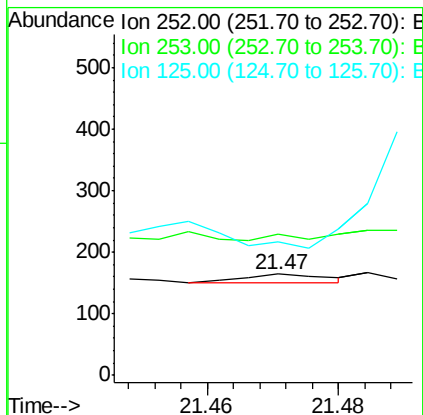
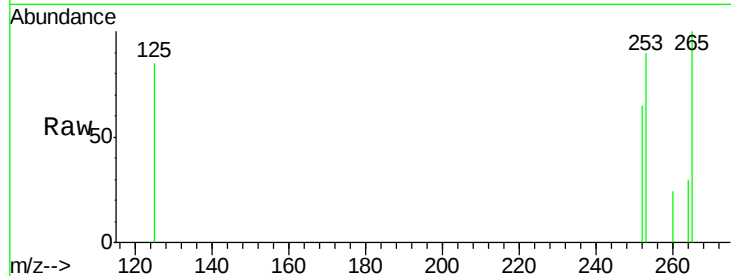
Instrument :

BNA_E

ClientSampleId :

A4J65

Tgt Ion:	252	Resp:	13
Ion	Ratio	Lower	Upper
252	100		
253	139.6	20.8	31.2#
125	131.7	12.2	18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

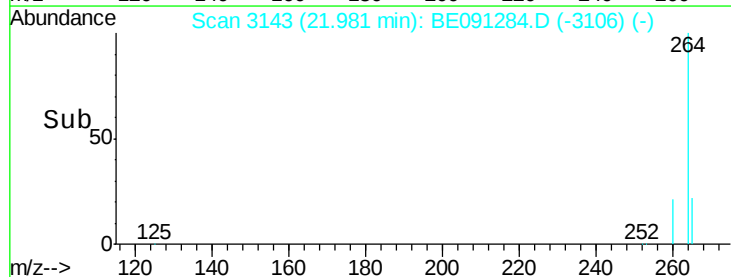
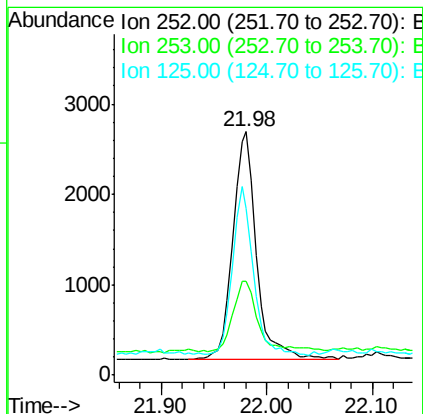
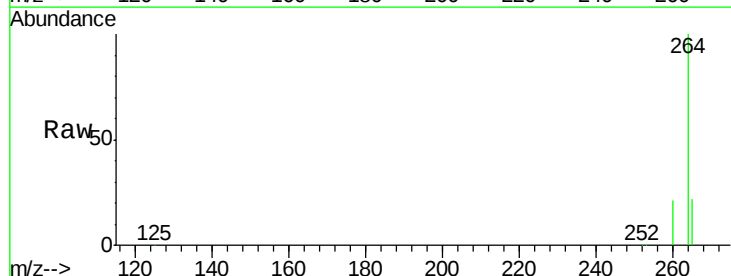
RT: 21.98 min Scan# 3143

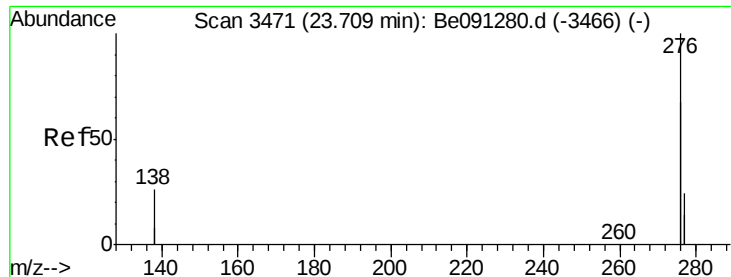
Delta R.T. -0.03 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Tgt Ion:	252	Resp:	3962
Ion	Ratio	Lower	Upper
252	100		
253	38.4	21.8	32.8#
125	68.7	14.5	21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.60 min Scan# 3455

Delta R.T. -0.11 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65

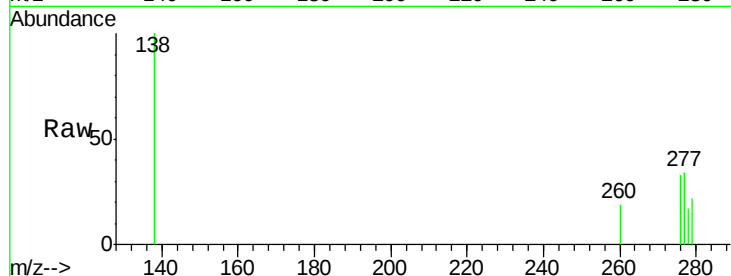
Tgt Ion:276 Resp: 29

Ion Ratio Lower Upper

276 100

138 206.9 27.5 41.3#

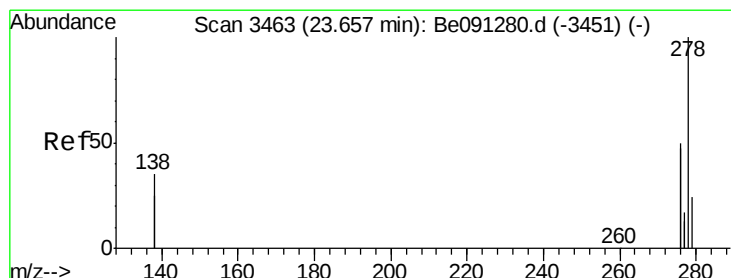
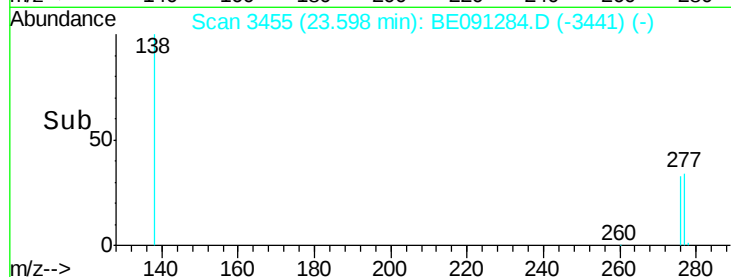
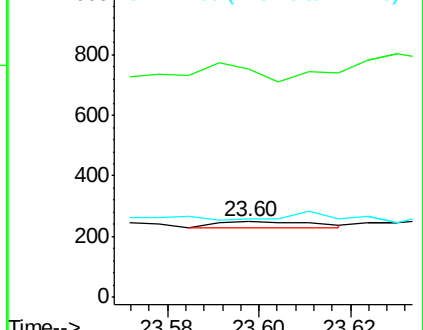
277 51.7 19.3 28.9#



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: 23.52 min Scan# 3443

Delta R.T. -0.14 min

Lab File: BE091284.D

Acq: 21 Nov 2015 19:53

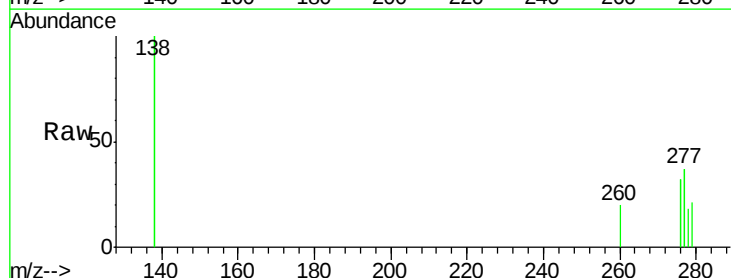
Tgt Ion:278 Resp: 18

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

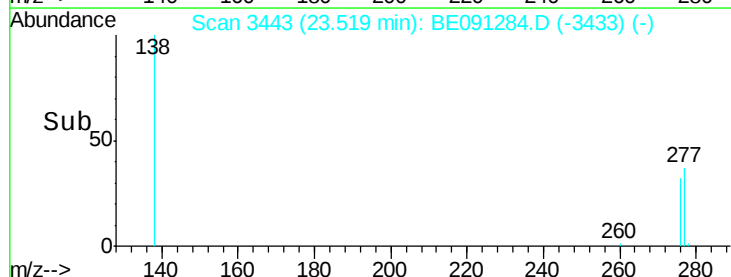
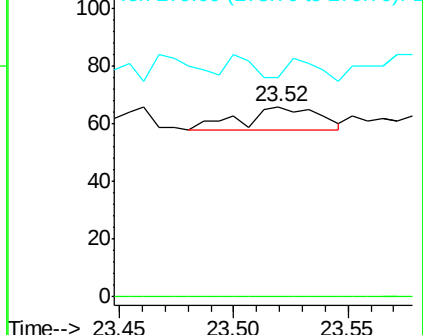
279 115.2 21.9 32.9#

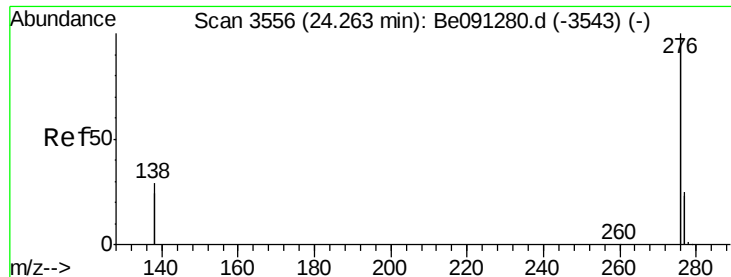


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.11 min Scan# 3534

Delta R.T. -0.15 min

Lab File: BE091284.D

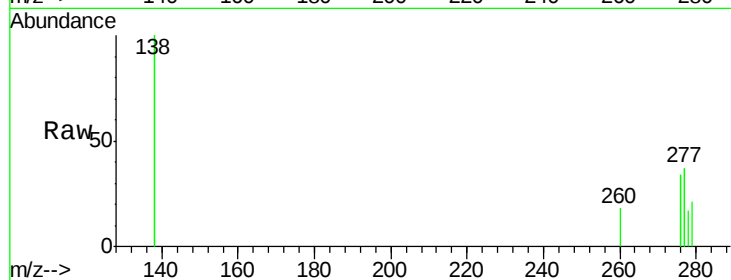
Acq: 21 Nov 2015 19:53

Instrument :

BNA_E

ClientSampleId :

A4J65



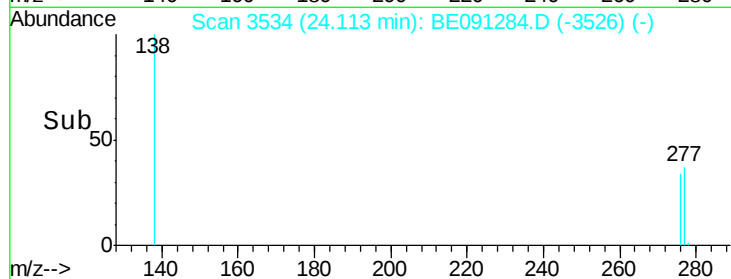
Tgt Ion: 276 Resp: 37

Ion Ratio Lower Upper

276 100

277 109.4 21.3 31.9#

138 294.5 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

