

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091281.D
 Acq On : 21 Nov 2015 18:02
 Operator : UM/NP
 Sample : G4345-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J62

Quant Time: Nov 22 02:01:16 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	3098	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	14785	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8355	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1262131	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	21181	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1236607	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	21573	9.68	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	5353	0.27	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	14364	0.00	ng/ul	0.00

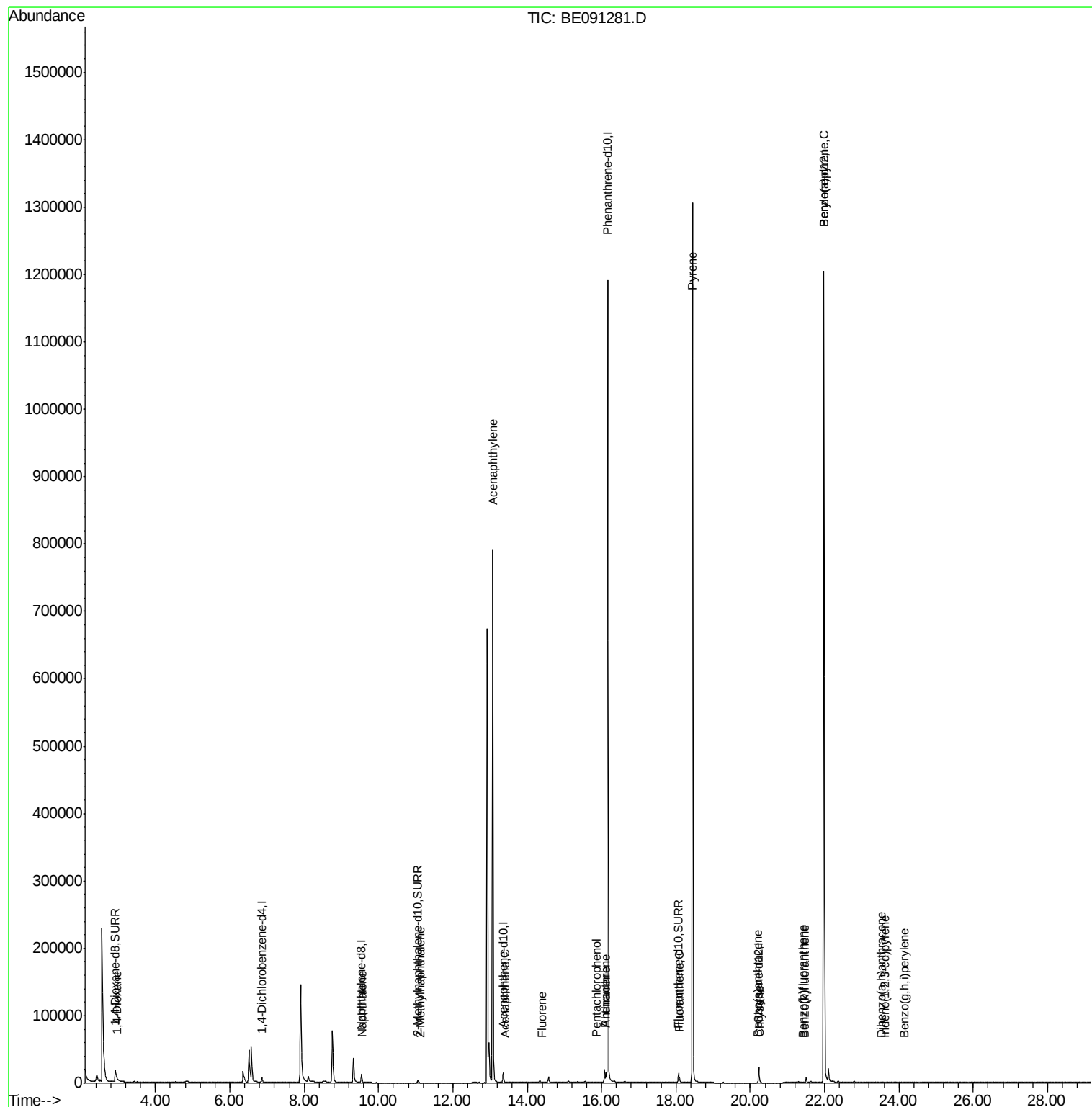
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.98	88	313	0.12	ng/ul#	32
5) Naphthalene	9.58	128	877	0.02	ng/ul#	63
7) 2-Methylnaphthalene	11.13	142	108	0.00	ng/ul	89
9) Acenaphthylene	13.06	152	203	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	124	0.00	ng/ul#	74
11) Fluorene	14.40	166	296	0.01	ng/ul#	89
13) Pentachlorophenol	15.86	266	218	0.00	ng/ul	96
14) Phenanthrene	16.11	178	14169	0.00	ng/ul	95
15) Anthracene	16.11	178	9980	0.00	ng/ul	95
17) Fluoranthene	18.10	202	10129	0.00	ng/ul	85
19) Pyrene	18.45	202	8647	0.04	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	1193	0.02	ng/ul#	89
21) Chrysene	20.26	228	1643	0.03	ng/ul#	90
23) Benzo(b)fluoranthene	21.43	252	31	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	15	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	4882	0.00	ng/ul#	37
26) Indeno(1,2,3-cd)pyrene	23.61	276	13	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	10	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.13	276	16	0.00	ng/ul#	1

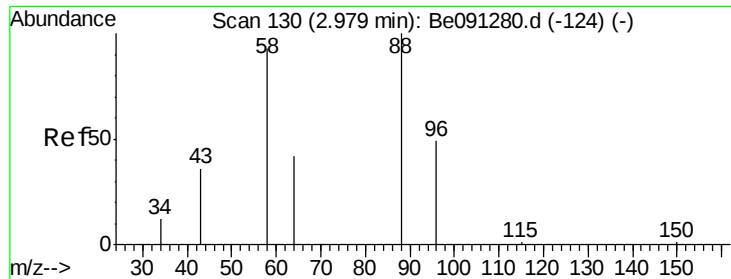
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.12 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. 0.00 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

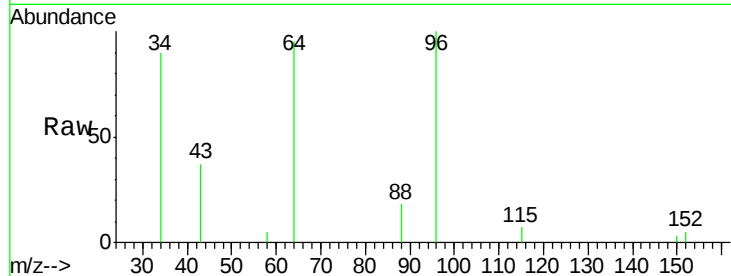
Tgt Ion: 88 Resp: 313

Ion Ratio Lower Upper

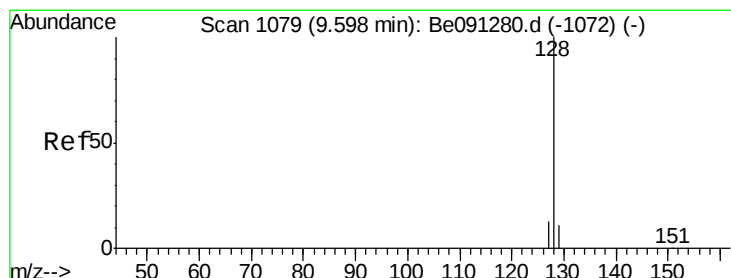
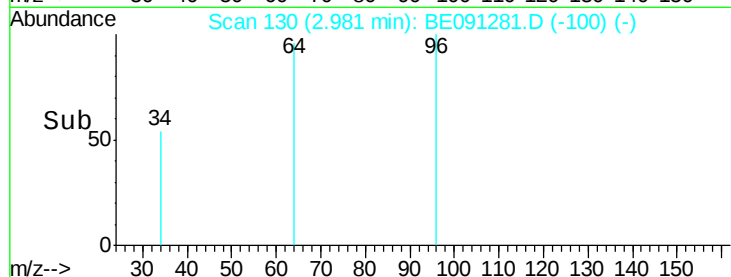
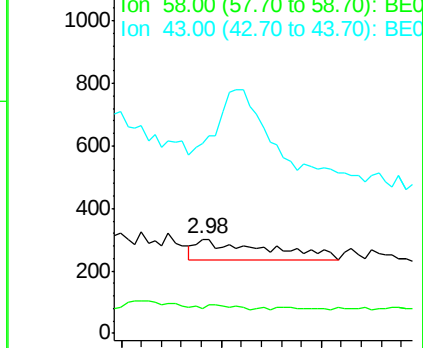
88 100

58 9.9 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: 0.02 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

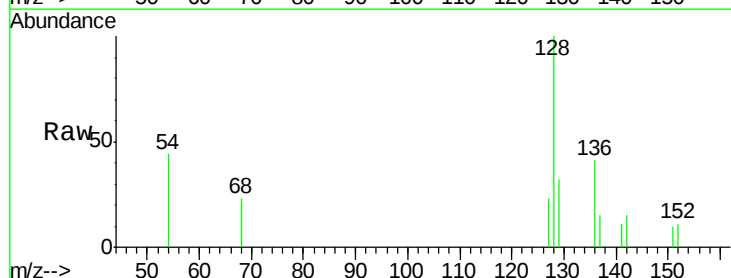
Tgt Ion: 128 Resp: 877

Ion Ratio Lower Upper

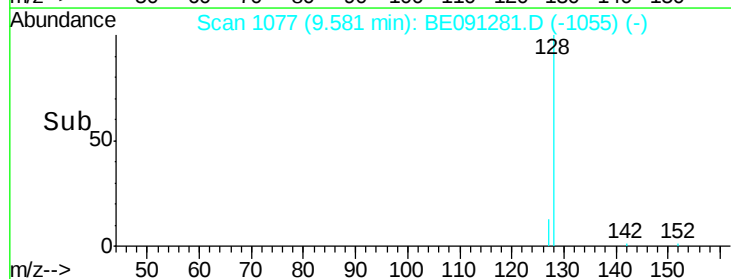
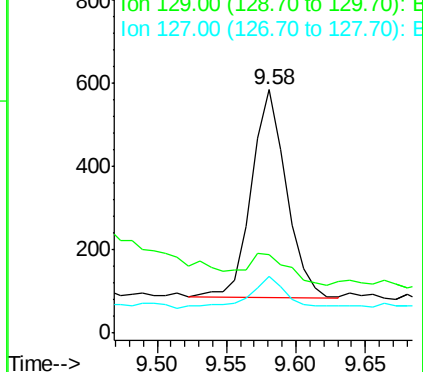
128 100

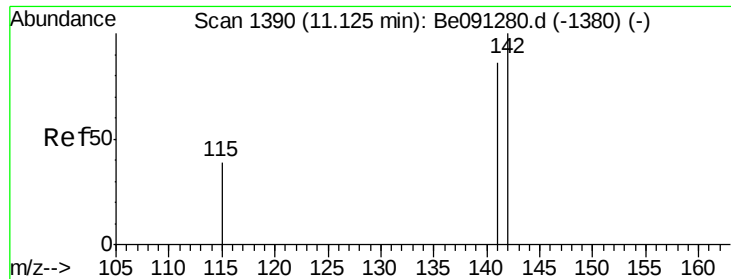
129 32.2 9.8 14.8#

127 23.5 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: 11.13 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

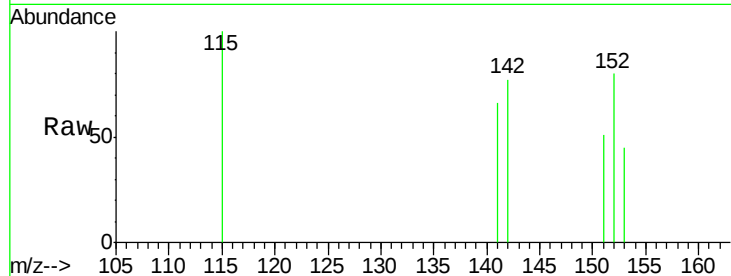
A4J62

Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

141 77.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

120

100

80

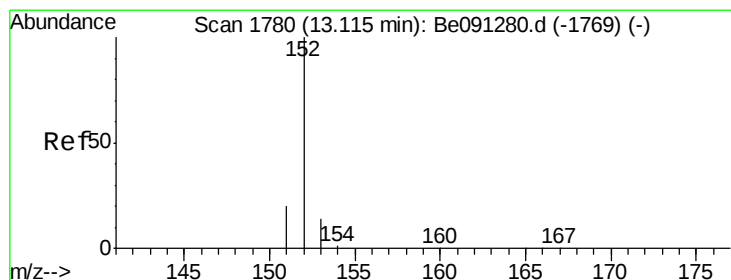
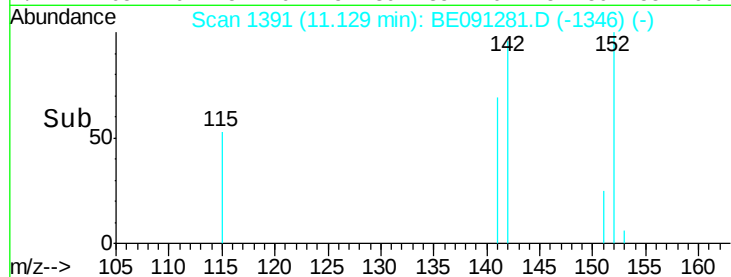
60

40

20

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.06 min Scan# 1773

Delta R.T. -0.05 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

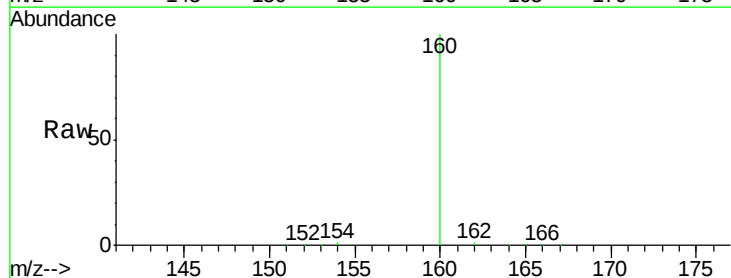
Tgt Ion:152 Resp: 203

Ion Ratio Lower Upper

152 100

151 71.7 16.8 25.2#

153 129.0 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

250

200

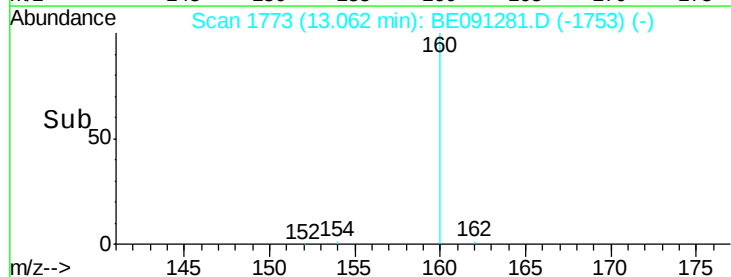
150

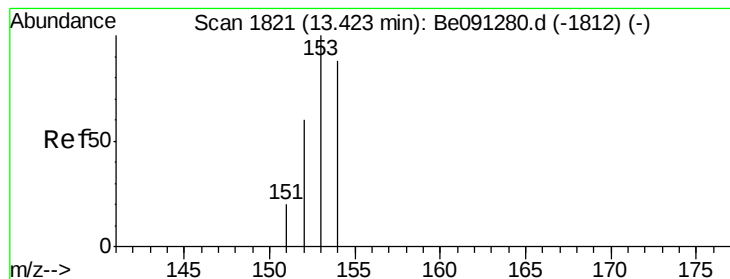
100

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: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

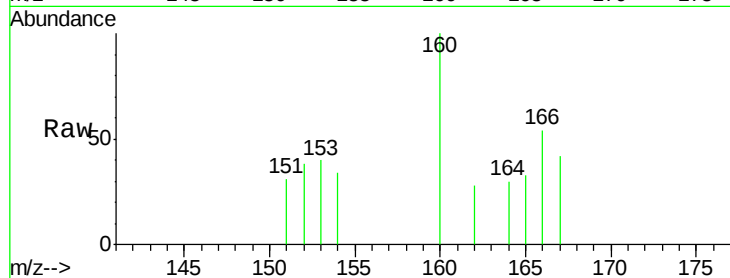
Tgt Ion:153 Resp: 124

Ion Ratio Lower Upper

153 100

152 94.2 42.3 63.5#

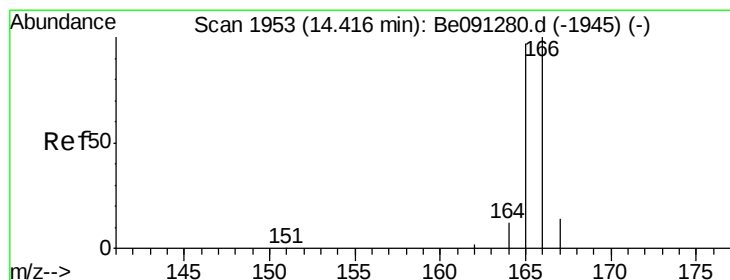
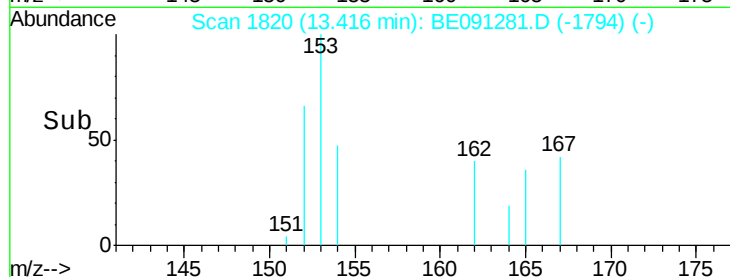
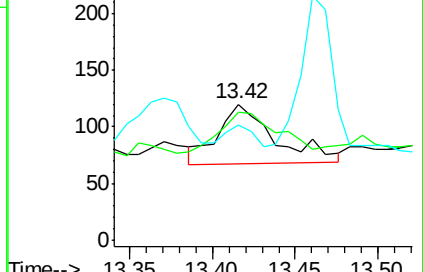
154 85.0 64.7 97.1



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



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

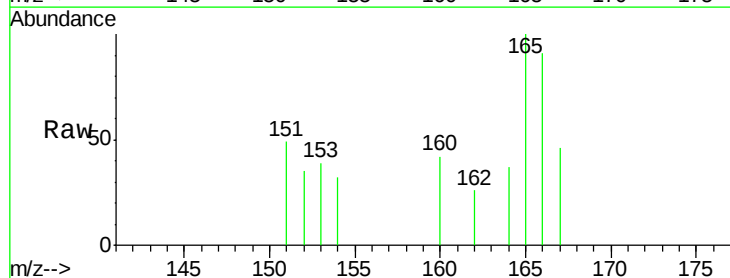
Tgt Ion:166 Resp: 296

Ion Ratio Lower Upper

166 100

165 110.4 87.6 131.4

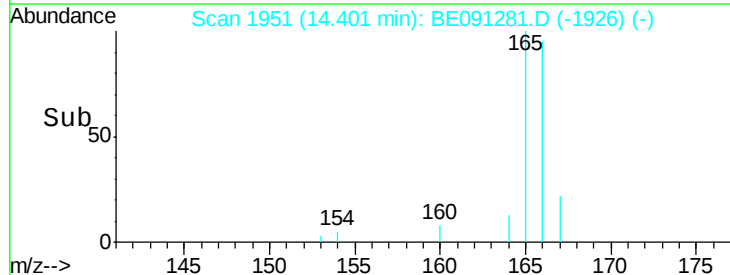
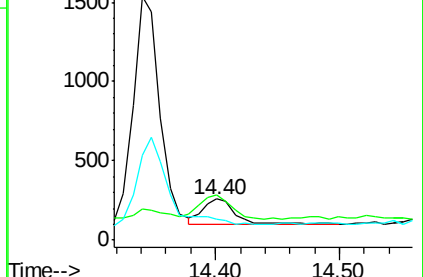
167 51.2 11.1 16.7#

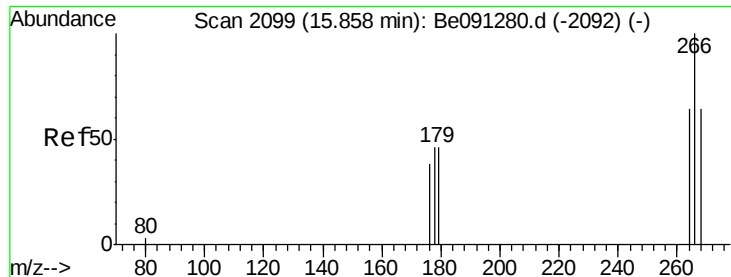


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

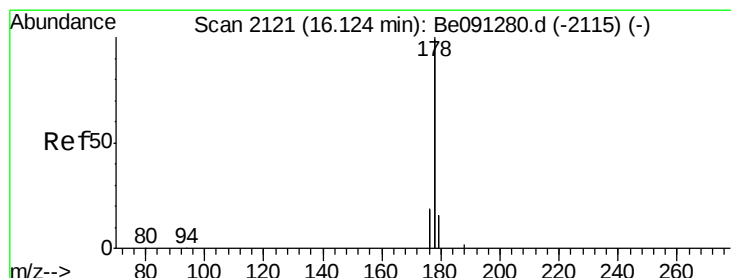
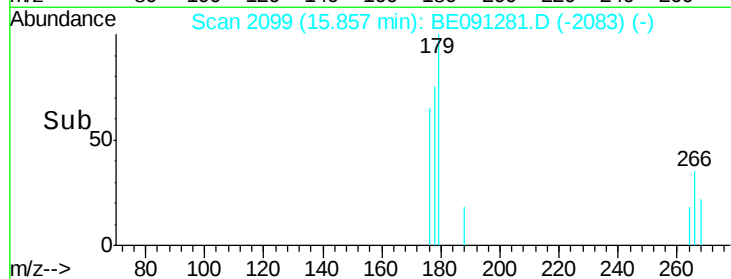
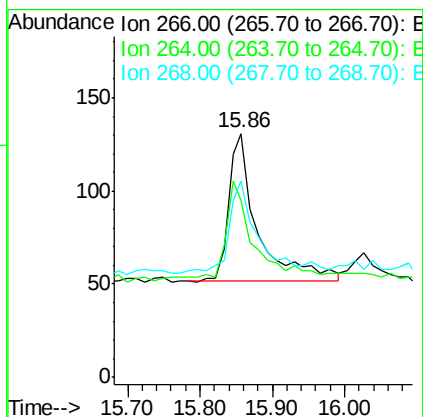
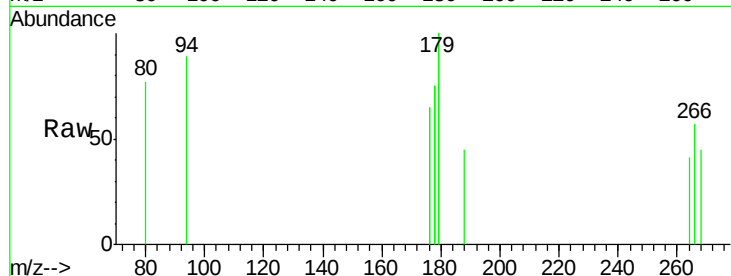




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091281.D
 Acq: 21 Nov 2015 18:02

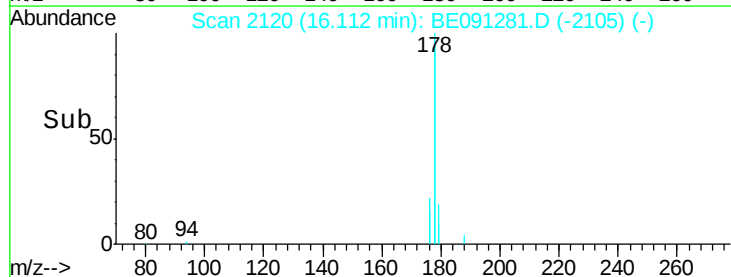
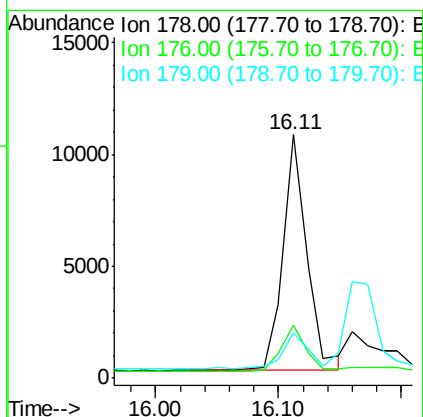
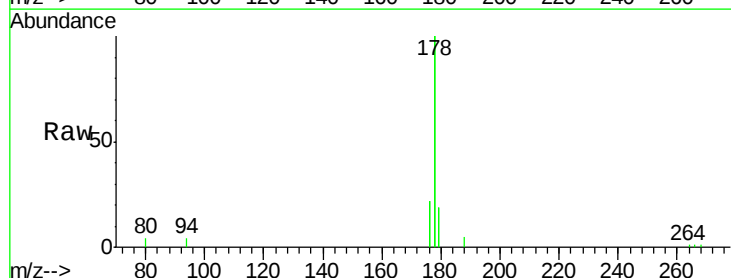
Instrument :
 BNA_E
 ClientSampleId :
 A4J62

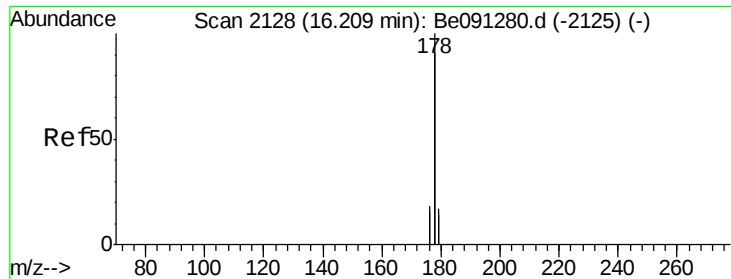
Tgt Ion: 266 Resp: 218
 Ion Ratio Lower Upper
 266 100
 264 71.1 53.5 80.3
 268 64.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091281.D
 Acq: 21 Nov 2015 18:02

Tgt Ion: 178 Resp: 14169
 Ion Ratio Lower Upper
 178 100
 176 21.8 16.2 24.4
 179 18.8 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: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

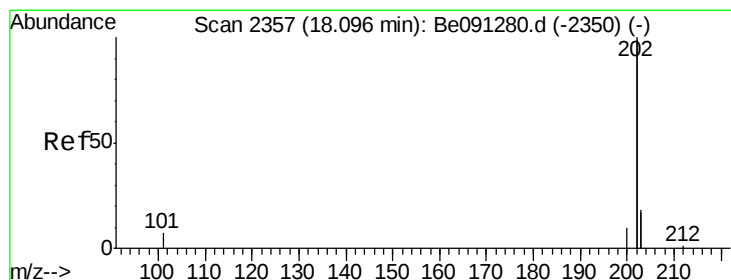
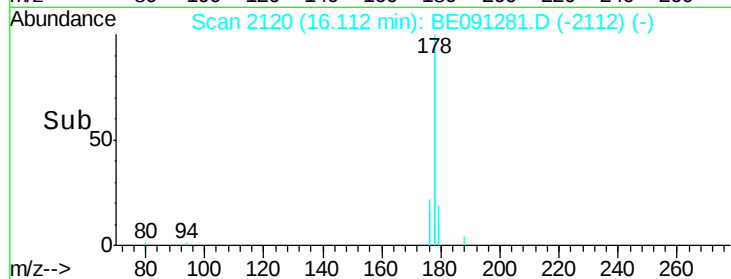
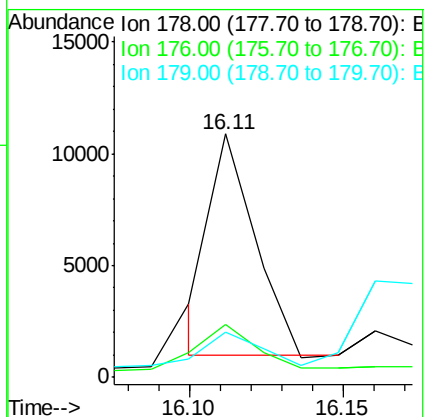
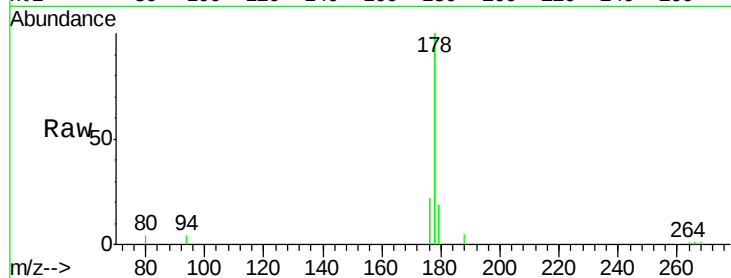
Tgt Ion:178 Resp: 9980

Ion Ratio Lower Upper

178 100

176 21.8 15.8 23.8

179 18.8 13.3 19.9



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

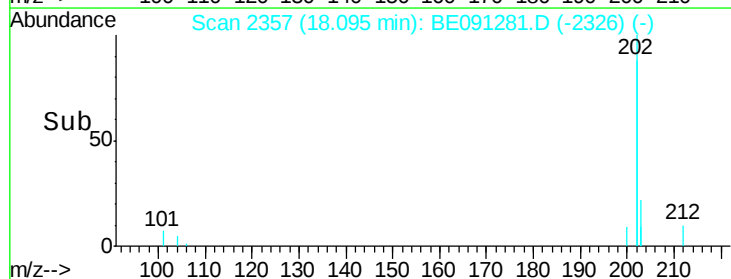
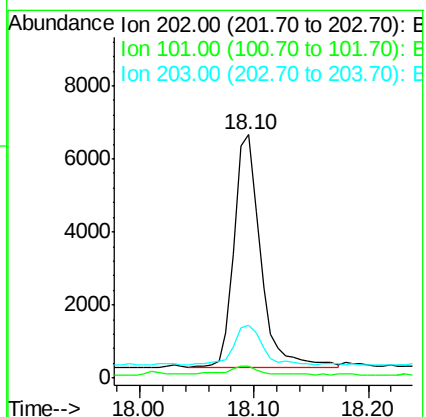
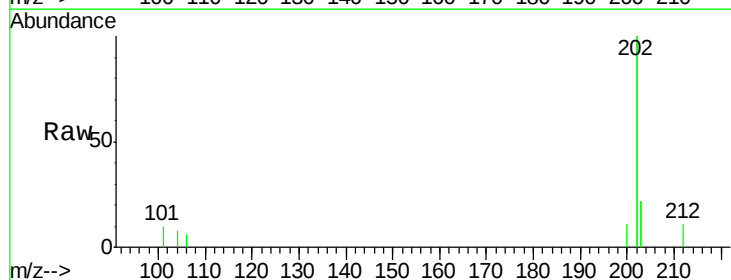
Tgt Ion:202 Resp: 10129

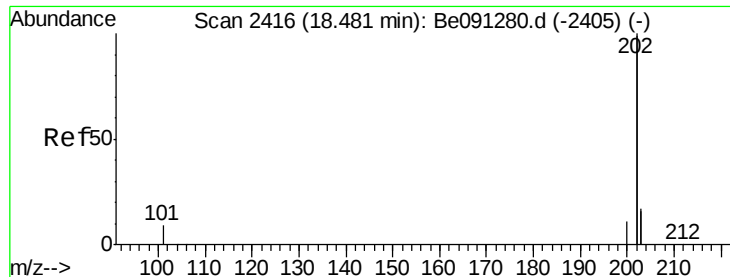
Ion Ratio Lower Upper

202 100

101 4.8 0.0 33.1

203 21.7 0.0 37.2





#19

Pyrene

Concen: 0.04 ng/u1

RT: 18.45 min Scan# 2411

Delta R.T. -0.03 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampled :

A4J62

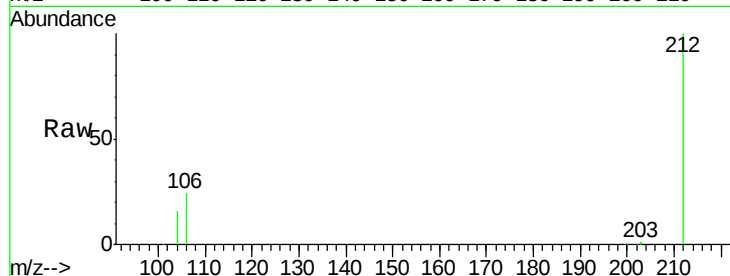
Tgt Ion:202 Resp: 8647

Ion Ratio Lower Upper

202 100

200 2.0 18.0 27.0#

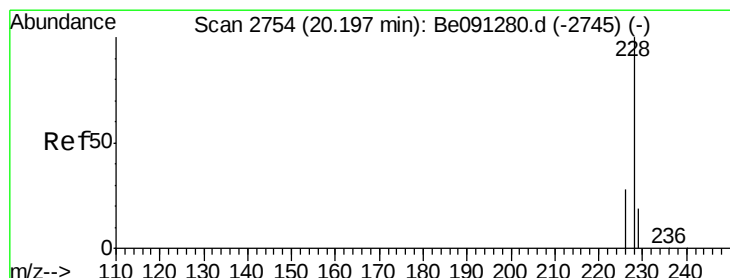
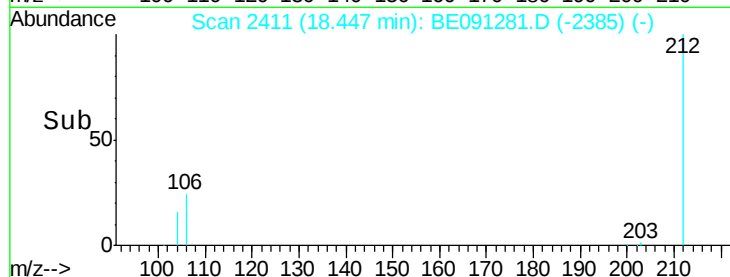
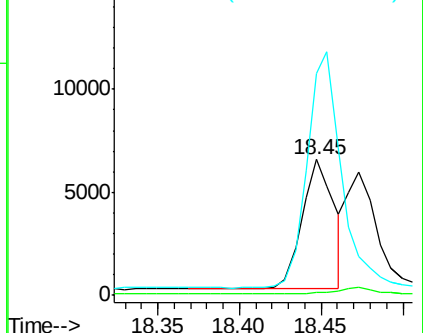
203 162.9 13.8 20.6#



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/u1

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

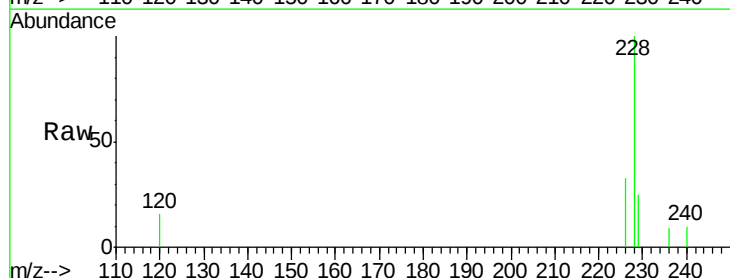
Tgt Ion:228 Resp: 1193

Ion Ratio Lower Upper

228 100

226 33.2 23.0 34.4

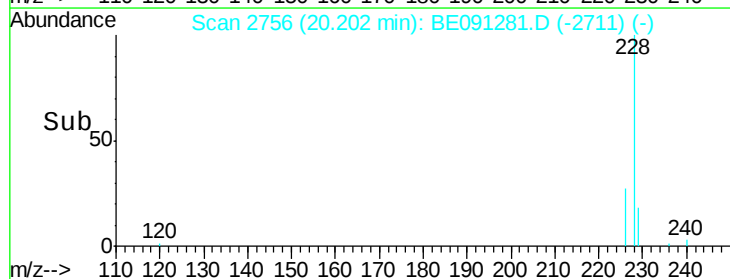
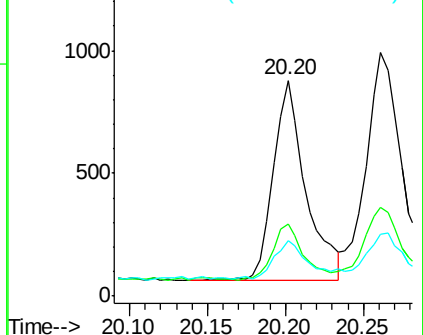
229 25.5 15.2 22.8#

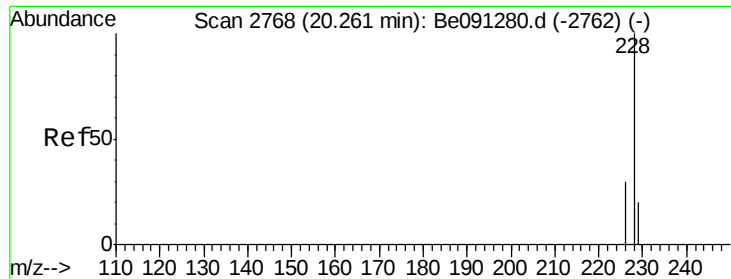


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.03 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

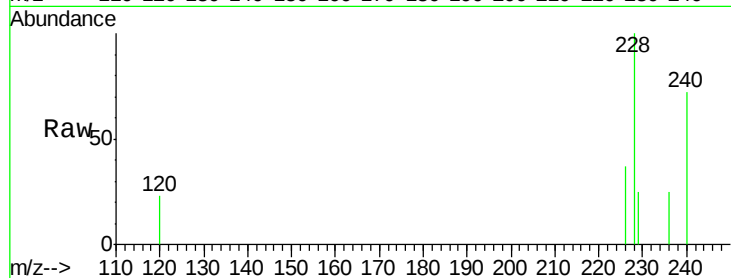
Tgt Ion:228 Resp: 1643

Ion Ratio Lower Upper

228 100

226 36.7 25.7 38.5

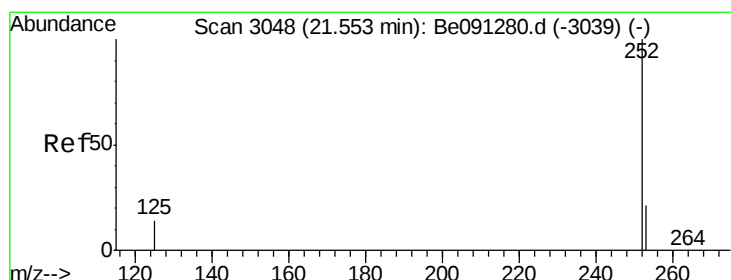
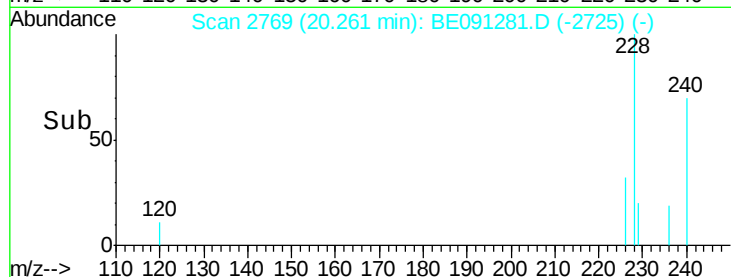
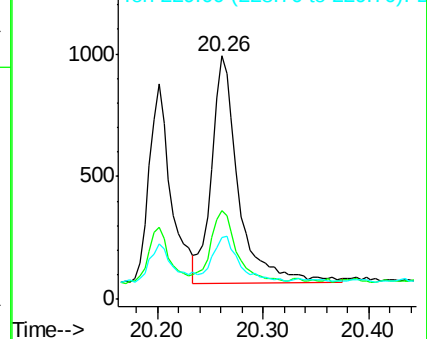
229 25.2 15.2 22.8#



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: 21.43 min Scan# 3022

Delta R.T. -0.12 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

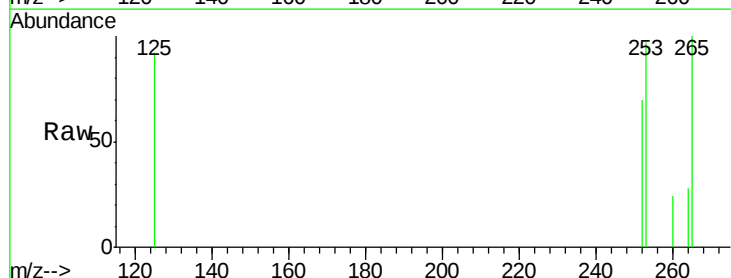
Tgt Ion:252 Resp: 31

Ion Ratio Lower Upper

252 100

253 139.8 0.0 48.0#

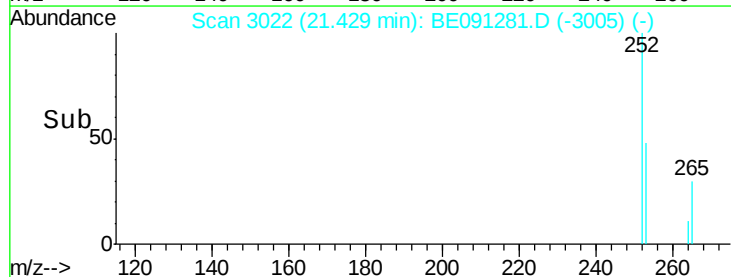
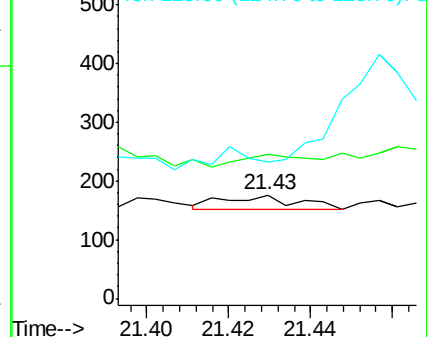
125 131.8 0.0 36.6#

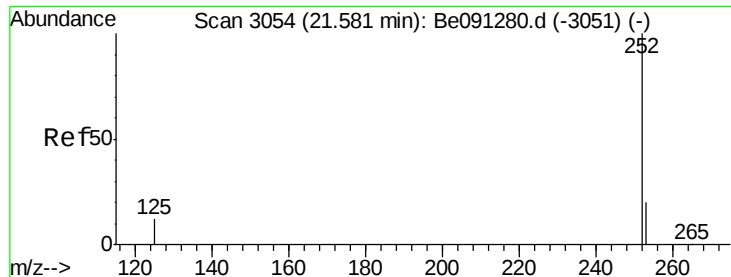


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 21.46 min Scan# 3028

Delta R.T. -0.12 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

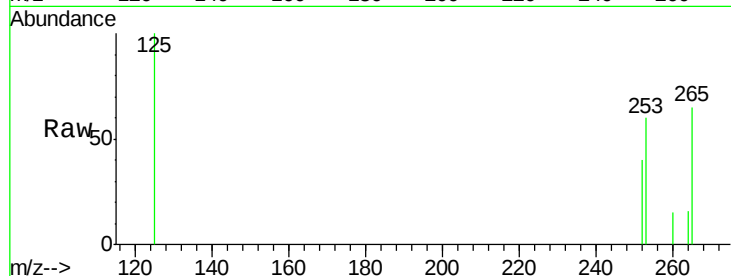
Tgt Ion:252 Resp: 15

Ion Ratio Lower Upper

252 100

253 148.8 20.8 31.2#

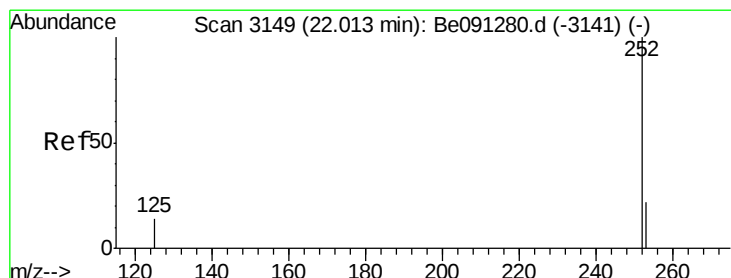
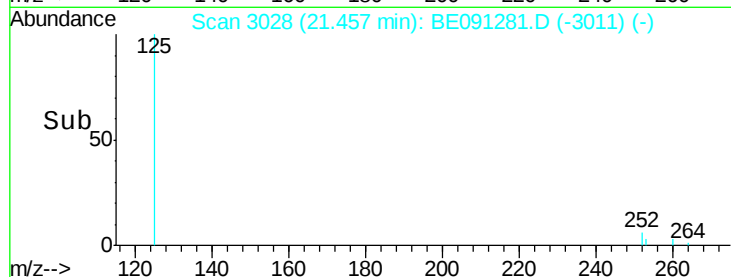
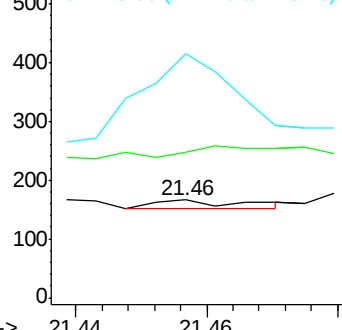
125 250.0 12.2 18.4#



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: 0.00 ng/u1

RT: 21.98 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

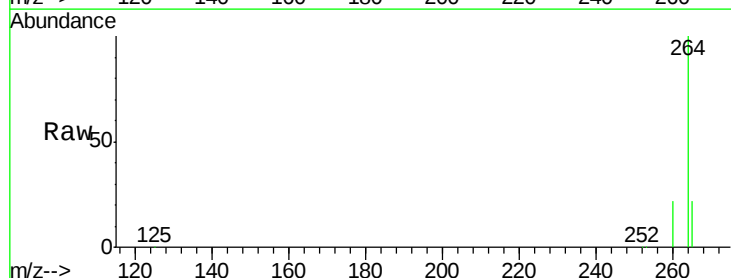
Tgt Ion:252 Resp: 4882

Ion Ratio Lower Upper

252 100

253 38.2 21.8 32.8#

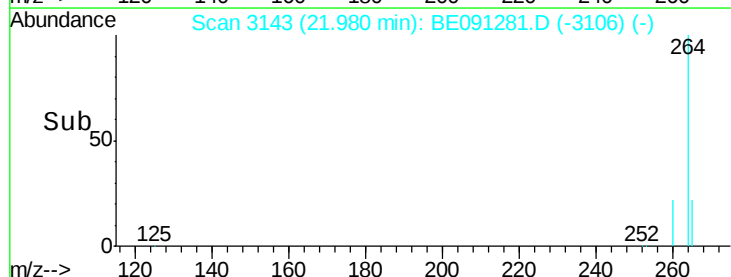
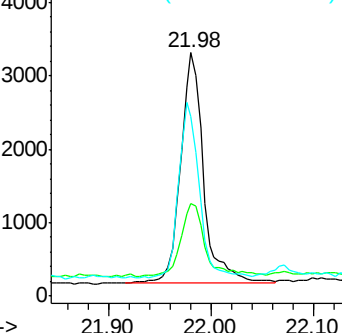
125 74.0 14.5 21.7#

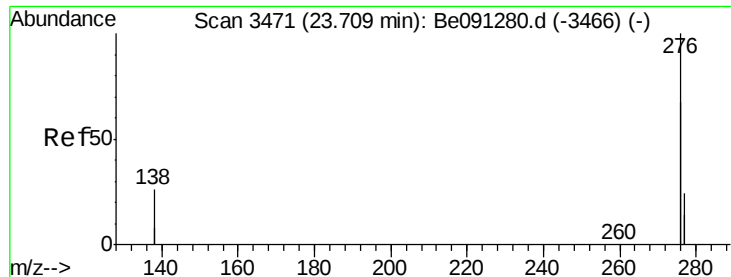


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.61 min Scan# 3458

Delta R.T. -0.10 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

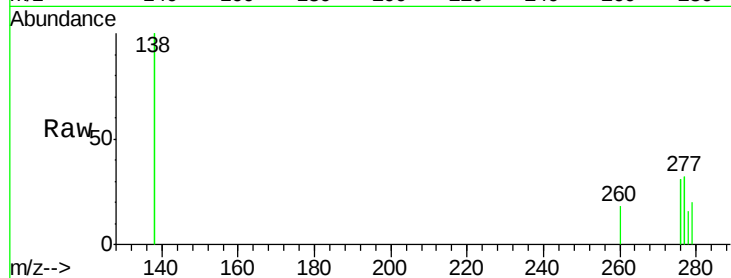
Tgt Ion:276 Resp: 13

Ion Ratio Lower Upper

276 100

138 1307.7 27.5 41.3#

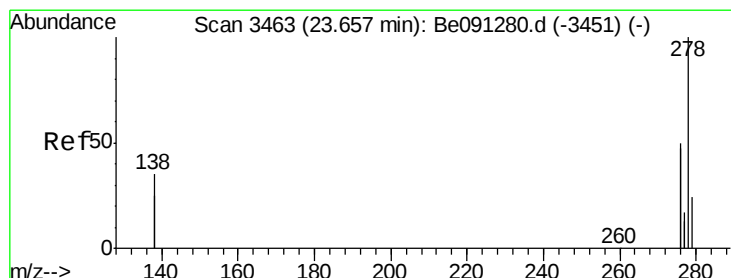
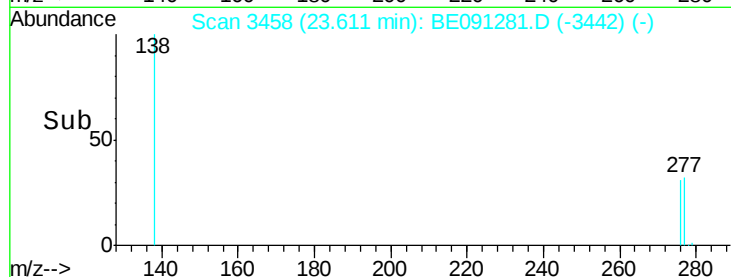
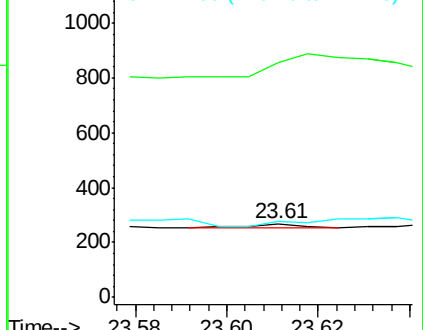
277 0.0 19.3 28.9#



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# 3445

Delta R.T. -0.13 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

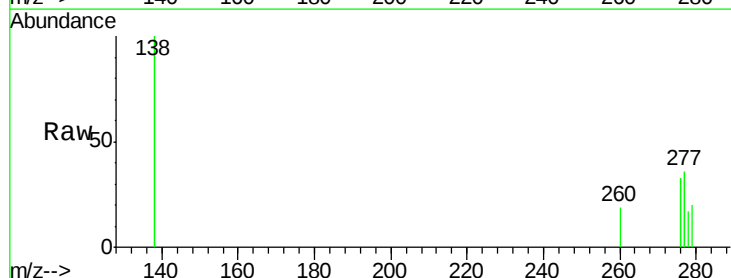
Tgt Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

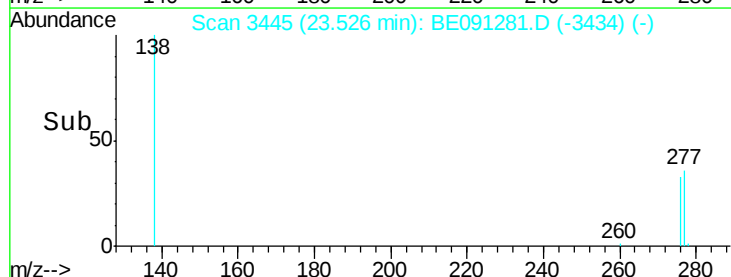
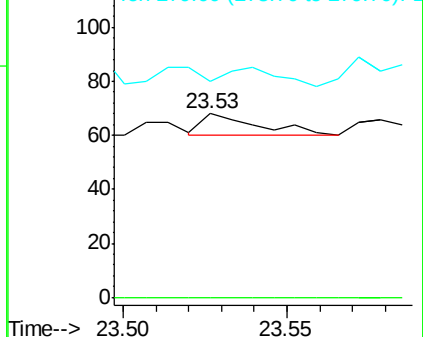
279 117.6 21.9 32.9#

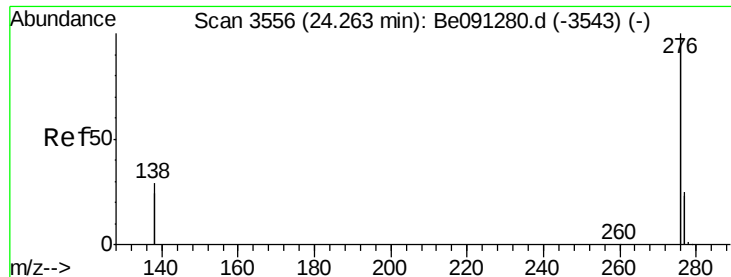


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.13 min Scan# 3538

Delta R.T. -0.13 min

Lab File: BE091281.D

Acq: 21 Nov 2015 18:02

Instrument :

BNA_E

ClientSampleId :

A4J62

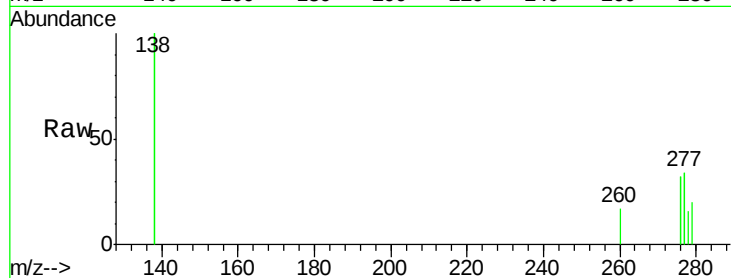
Tgt Ion: 276 Resp: 16

Ion Ratio Lower Upper

276 100

277 107.8 21.3 31.9#

138 313.2 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

