

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091290.D
 Acq On : 21 Nov 2015 23:31
 Operator : UM/NP
 Sample : G4345-27MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J69MSD

Quant Time: Nov 22 02:04:32 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	6.89	152	2568	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	12515	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	6873	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	16880	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	19314	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	17602	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	14	0.01	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	6074	0.36	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	17294	0.36	ng/ul	0.00

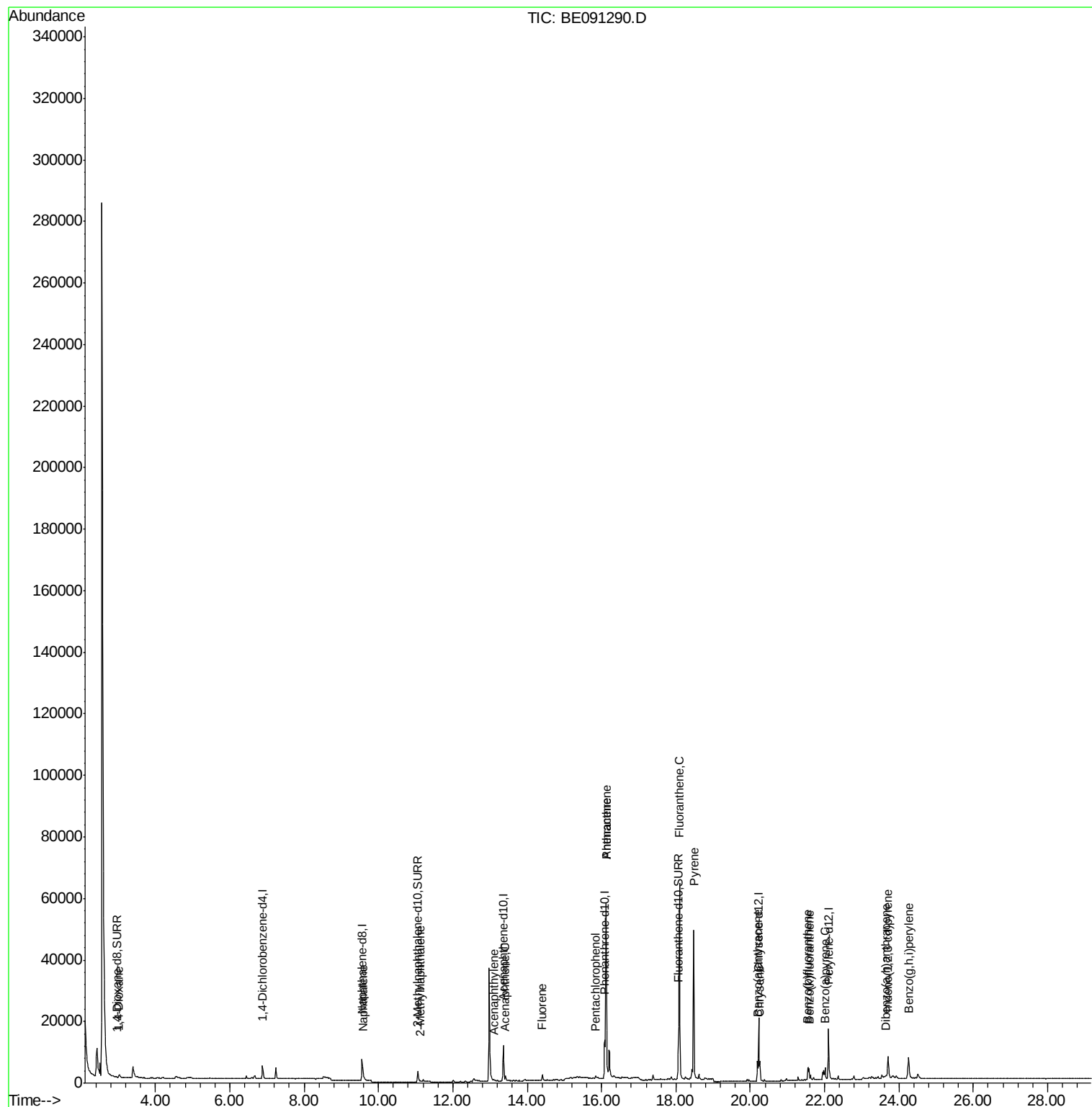
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.03	88	65	0.03	ng/ul#	1
5) Naphthalene	9.61	128	971	0.03	ng/ul#	71
7) 2-Methylnaphthalene	11.13	142	224	0.01	ng/ul	97
9) Acenaphthylene	13.11	152	215	0.01	ng/ul#	12
10) Acenaphthene	13.42	153	924	0.04	ng/ul#	87
11) Fluorene	14.41	166	1460	0.05	ng/ul#	90
13) Pentachlorophenol	15.85	266	833	0.52	ng/ul	97
14) Phenanthrene	16.12	178	75073	0.39	ng/ul	97
15) Anthracene	16.12	178	74717	0.42	ng/ul	98
17) Fluoranthene	18.10	202	72554	0.32	ng/ul	88
19) Pyrene	18.48	202	55504	0.25	ng/ul#	77
20) Benzo(a)anthracene	20.20	228	5572	0.11	ng/ul	97
21) Chrysene	20.26	228	6120	0.11	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	3852	0.07	ng/ul	91
24) Benzo(k)fluoranthene	21.58	252	4174	0.07	ng/ul#	90
25) Benzo(a)pyrene	22.01	252	4325	0.09	ng/ul#	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	10092	0.05	ng/ul	95
27) Dibenzo(a,h)anthracene	23.66	278	795	0.02	ng/ul#	58
28) Benzo(g,h,i)perylene	24.26	276	11766	0.05	ng/ul#	90

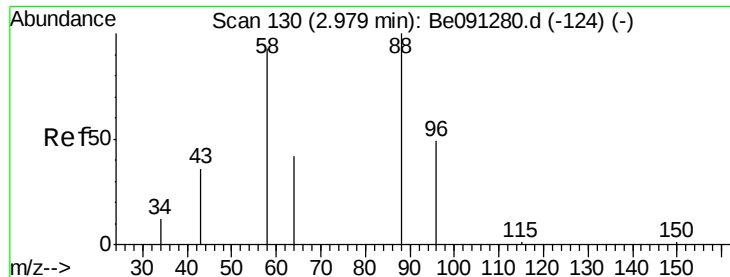
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.03 min Scan# 137

Delta R.T. 0.05 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

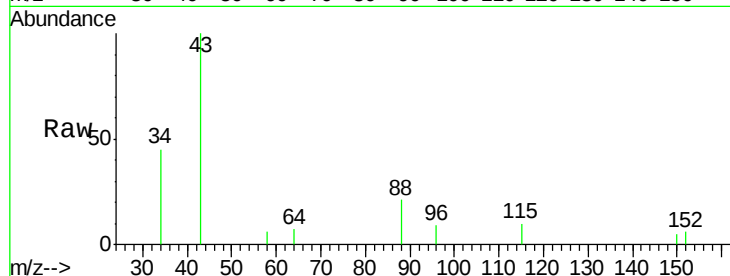
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

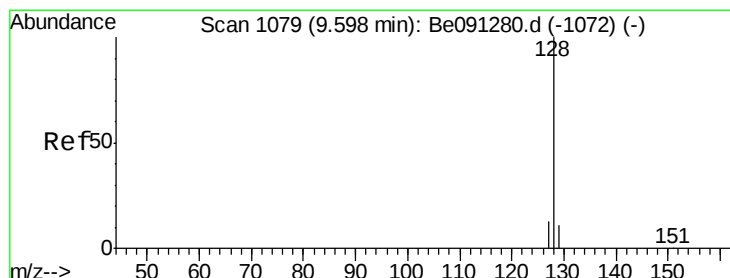
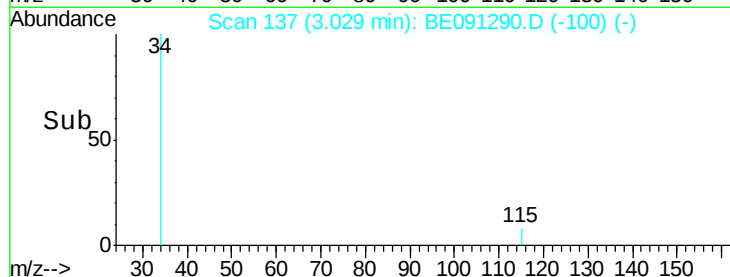
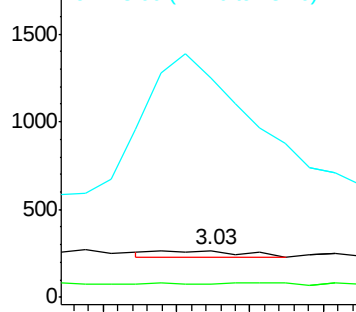
88 100

58 9.2 55.4 83.2#

43 3364.6 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: 9.61 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

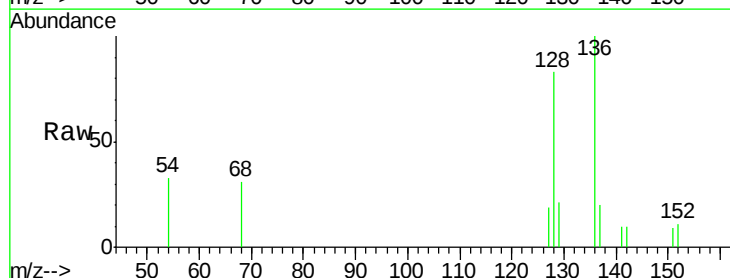
Tgt Ion: 128 Resp: 971

Ion Ratio Lower Upper

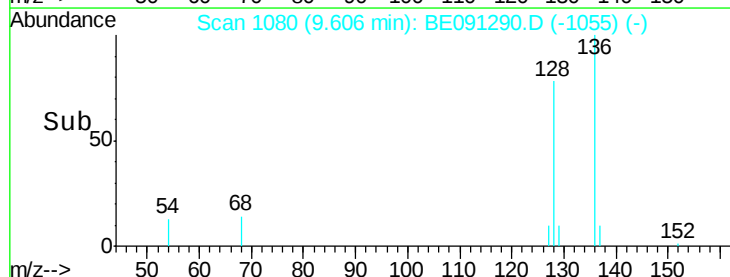
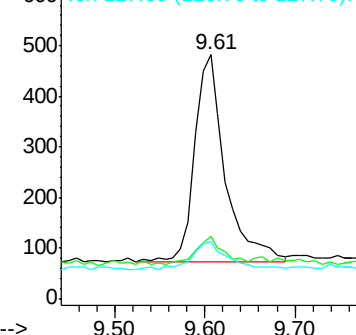
128 100

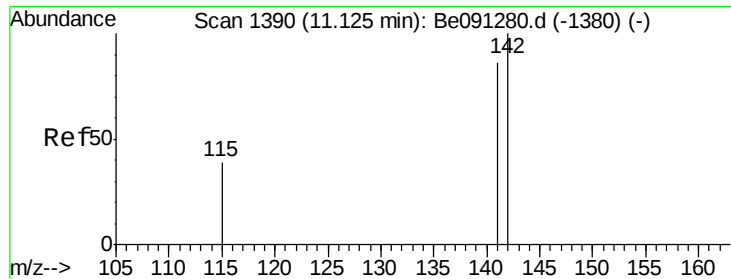
129 25.5 9.8 14.8#

127 23.4 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: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

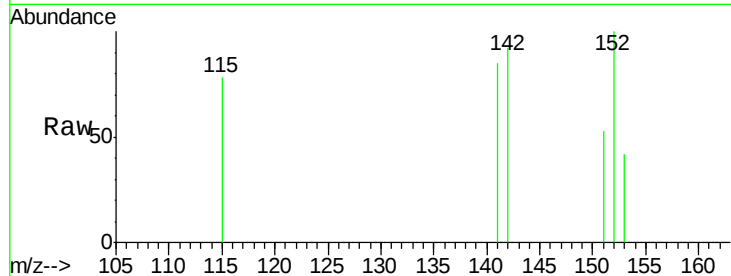
A4J69MSD

Tgt Ion:142 Resp: 224

Ion Ratio Lower Upper

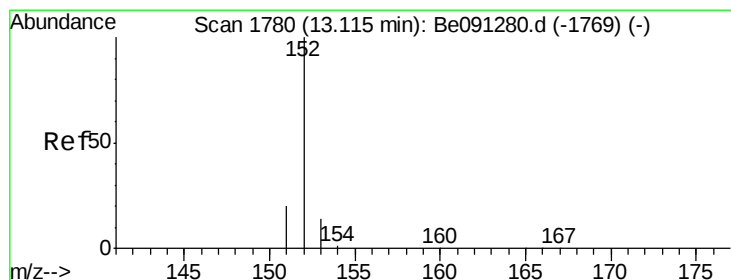
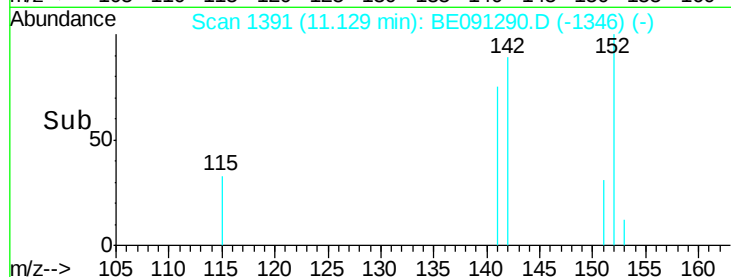
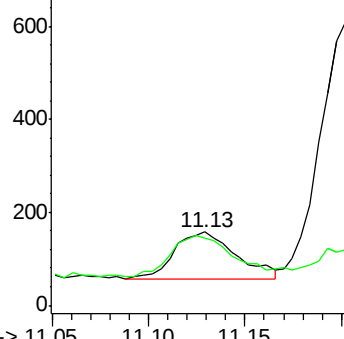
142 100

141 91.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

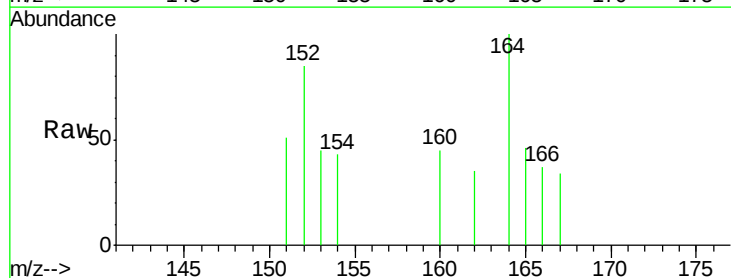
Tgt Ion:152 Resp: 215

Ion Ratio Lower Upper

152 100

151 60.1 16.8 25.2#

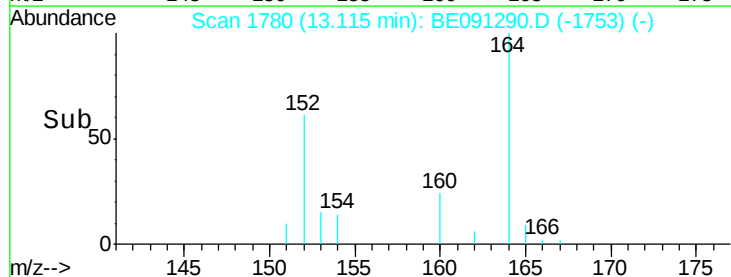
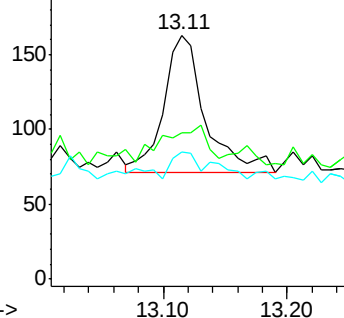
153 52.1 11.3 16.9#

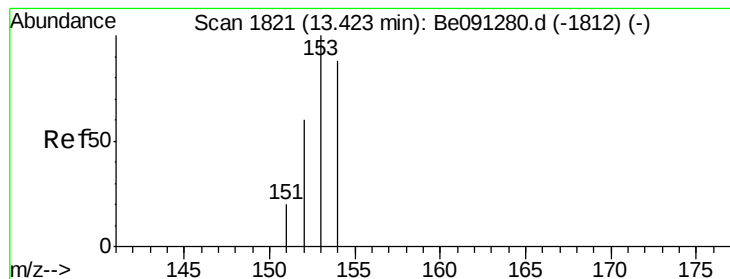


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.04 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

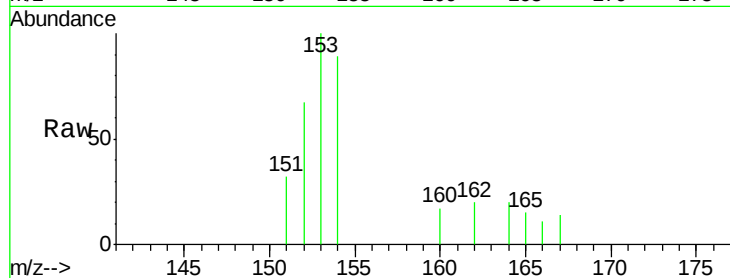
Tgt Ion:153 Resp: 924

Ion Ratio Lower Upper

153 100

152 67.4 42.3 63.5#

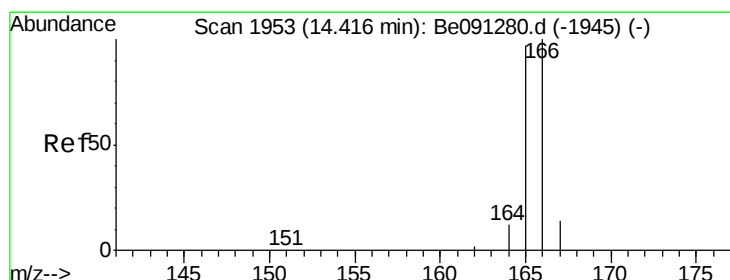
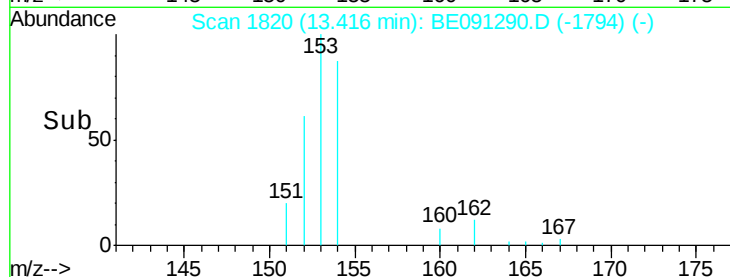
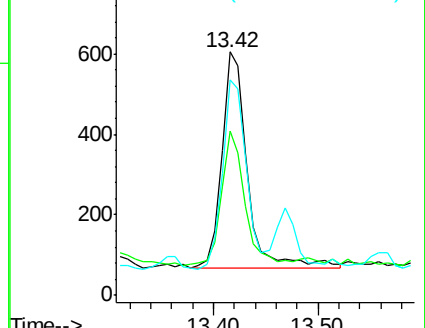
154 88.6 64.7 97.1



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: 0.05 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

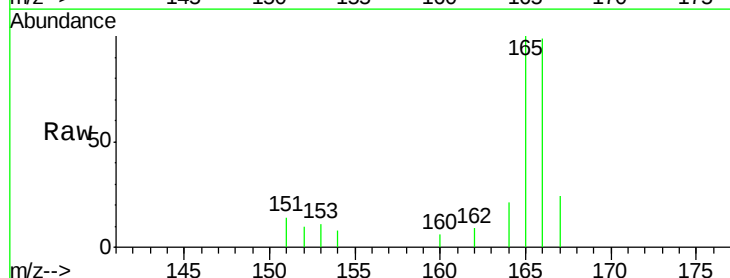
Tgt Ion:166 Resp: 1460

Ion Ratio Lower Upper

166 100

165 100.5 87.6 131.4

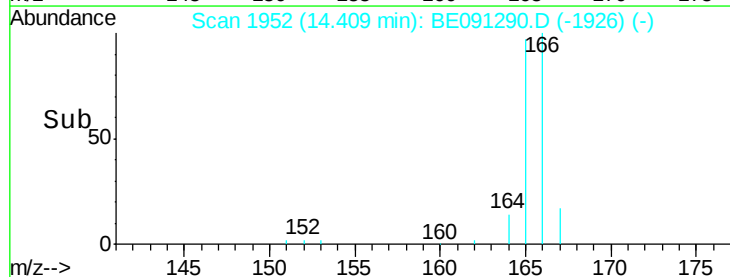
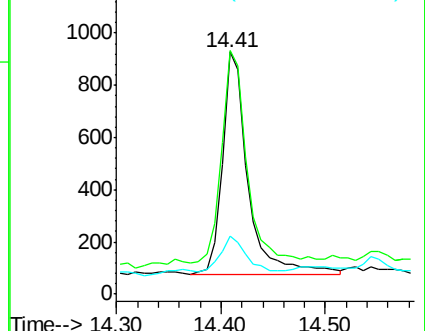
167 24.1 11.1 16.7#

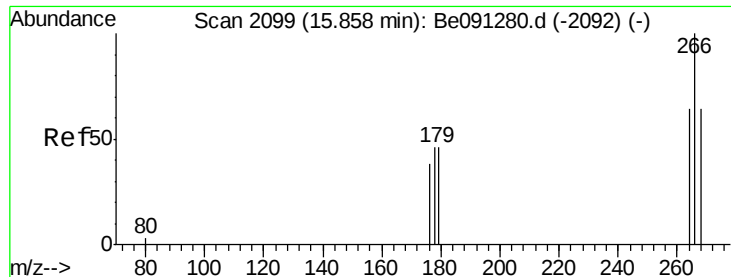


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

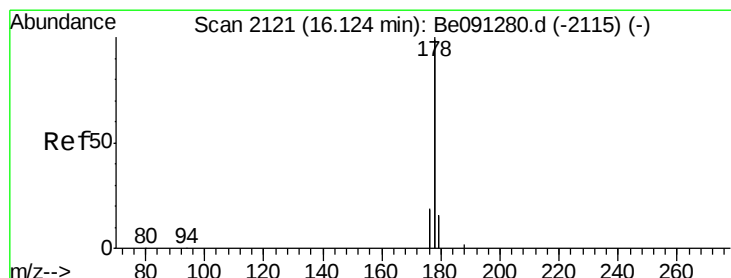
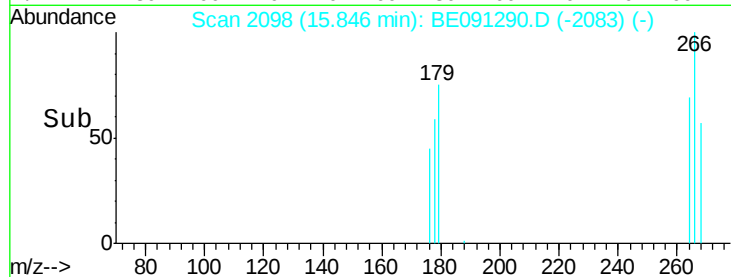
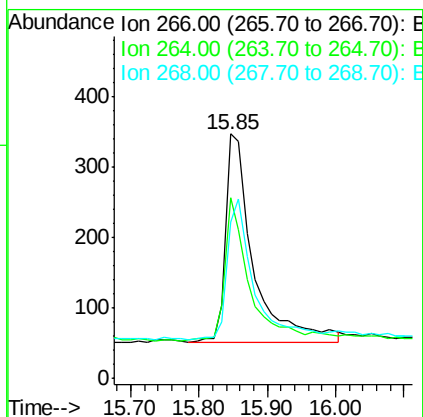
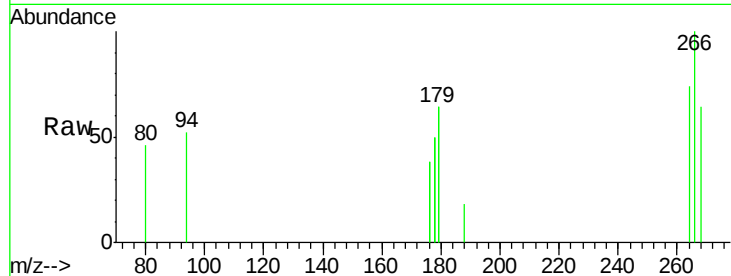




#13
 Pentachlorophenol
 Concen: 0.52 ng/u1
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

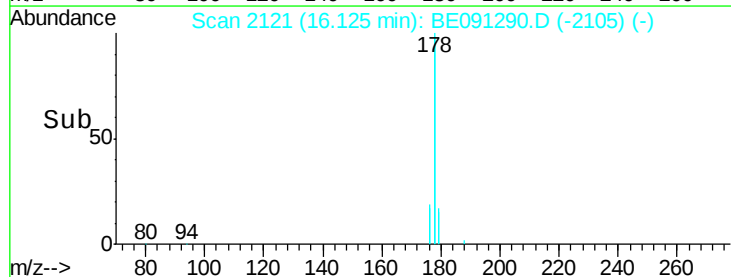
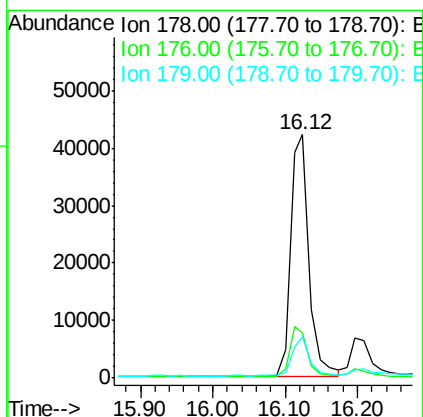
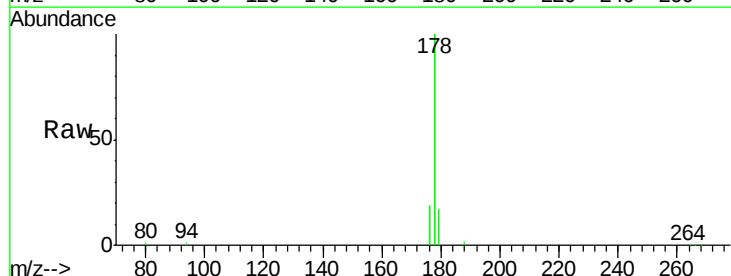
Instrument :
 BNA_E
 ClientSampleId :
 A4J69MSD

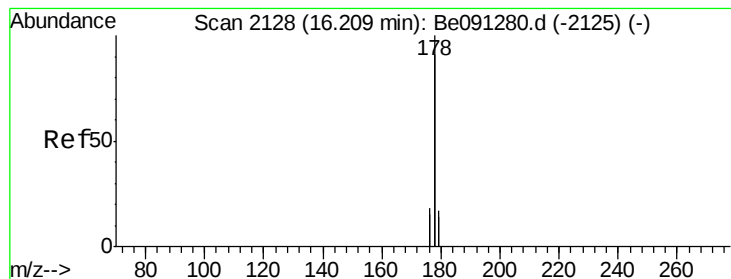
Tgt Ion: 266 Resp: 833
 Ion Ratio Lower Upper
 266 100
 264 64.1 53.5 80.3
 268 66.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.39 ng/u1
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091290.D
 Acq: 21 Nov 2015 23:31

Tgt Ion: 178 Resp: 75073
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 17.2 12.8 19.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.08 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

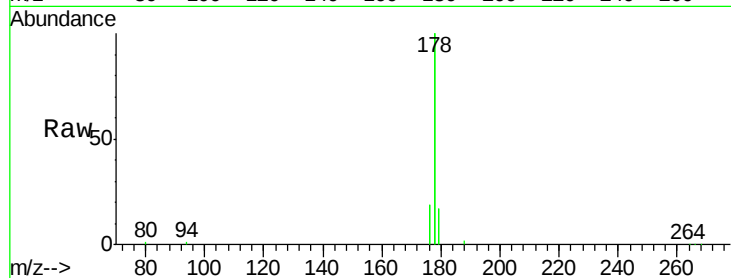
Tgt Ion:178 Resp: 74717

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

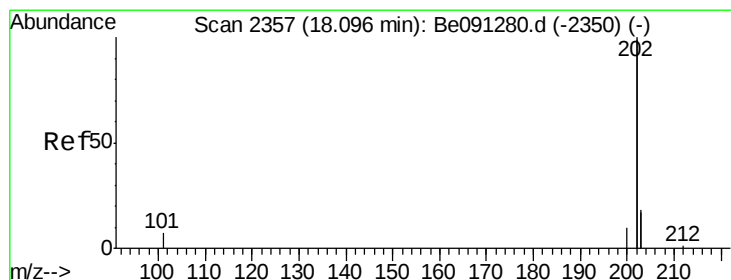
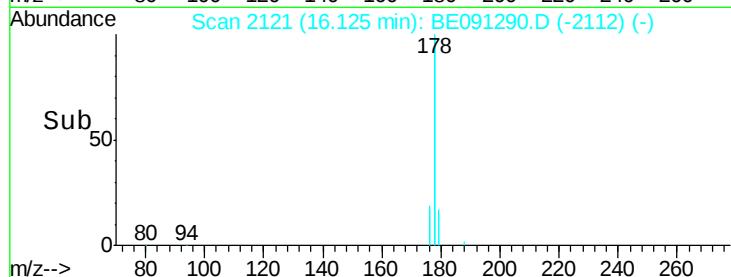
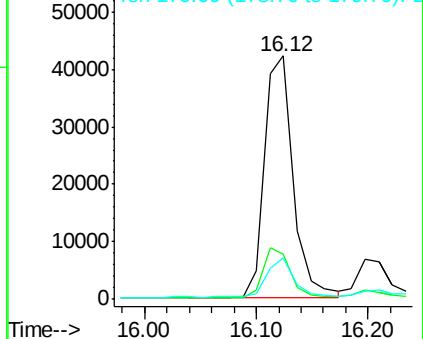
179 17.2 13.3 19.9



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: 0.32 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

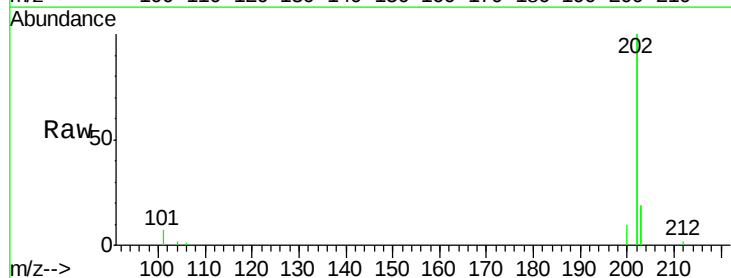
Tgt Ion:202 Resp: 72554

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

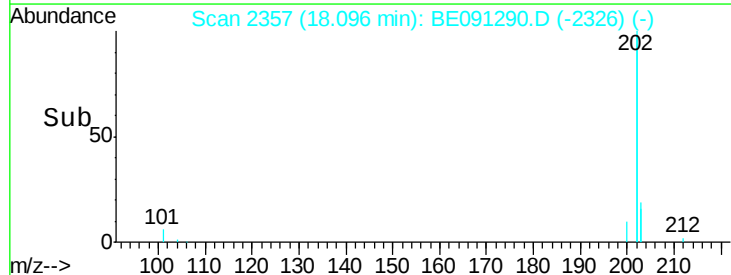
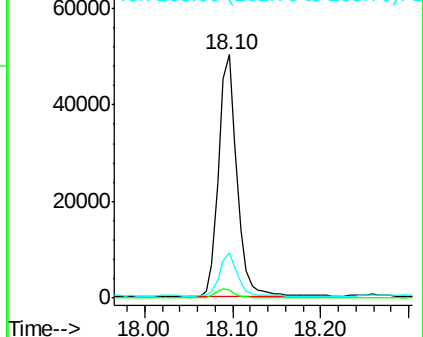
203 18.6 0.0 37.2

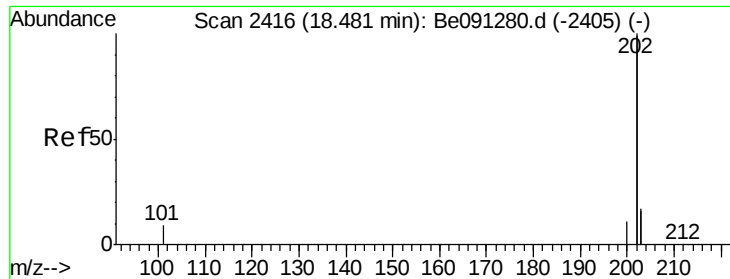


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.25 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

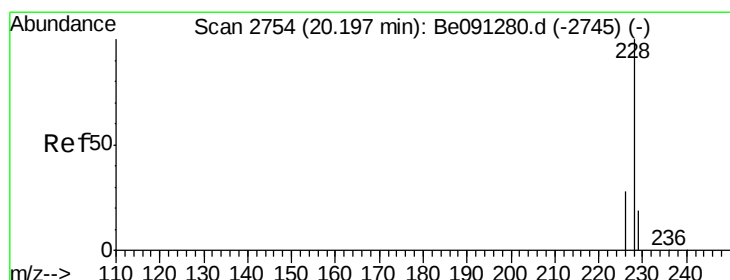
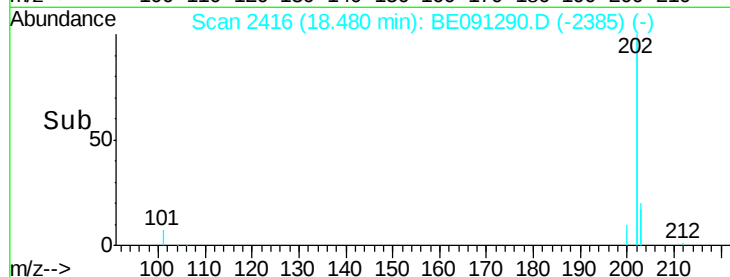
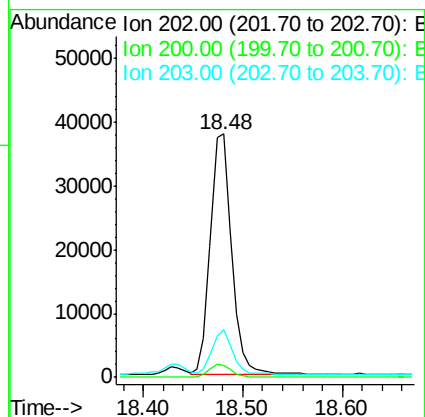
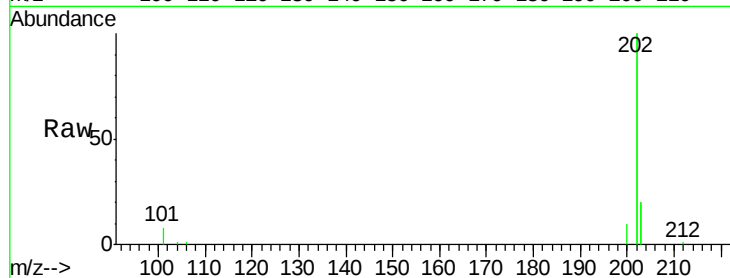
Tgt Ion:202 Resp: 55504

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

203 19.8 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 20.20 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

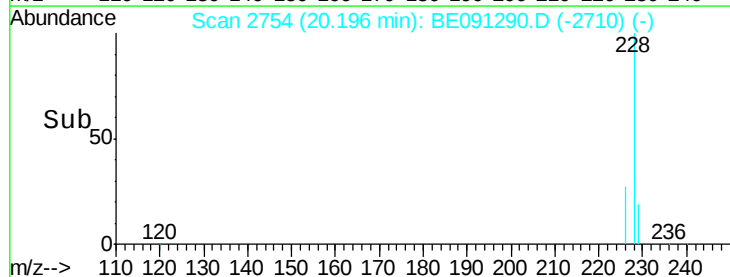
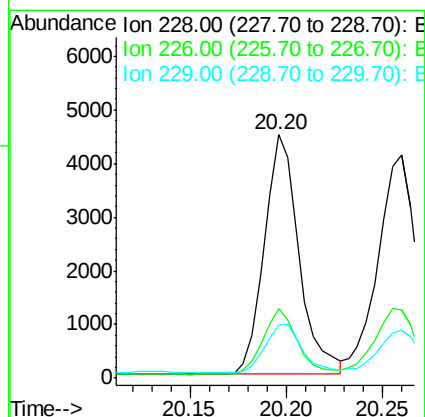
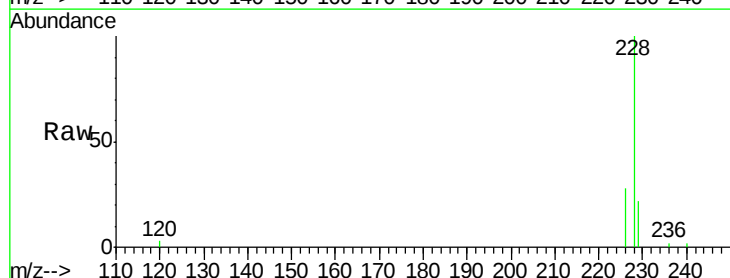
Tgt Ion:228 Resp: 5572

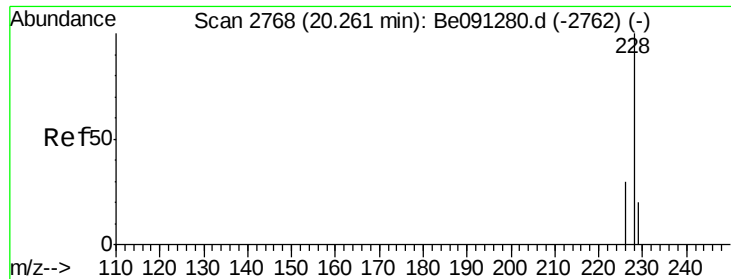
Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.4

229 21.6 15.2 22.8





#21

Chrysene

Concen: 0.11 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

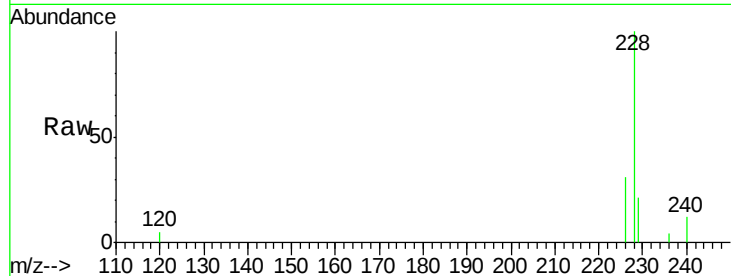
Tgt Ion:228 Resp: 6120

Ion Ratio Lower Upper

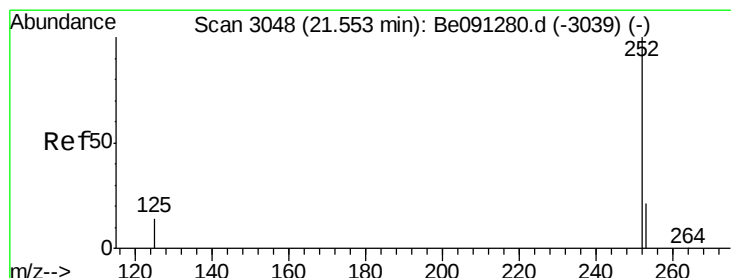
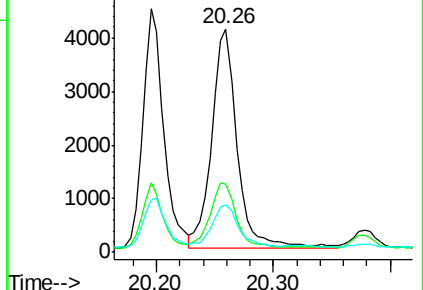
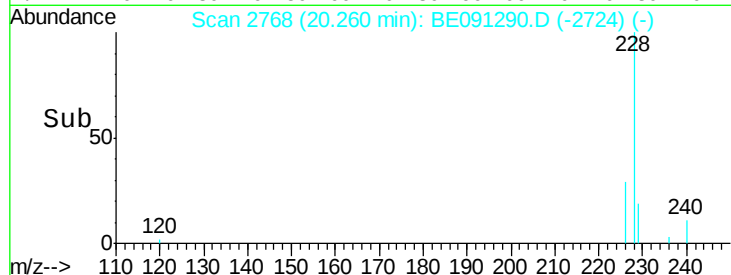
228 100

226 30.6 25.7 38.5

229 21.3 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



#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

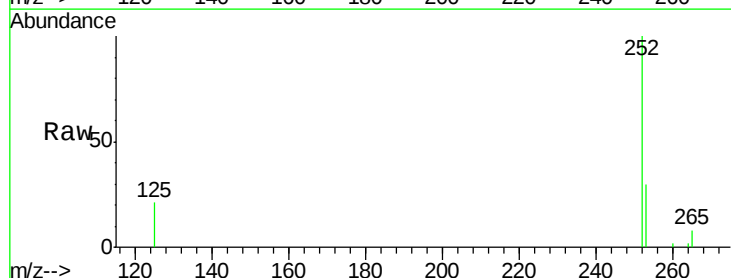
Tgt Ion:252 Resp: 3852

Ion Ratio Lower Upper

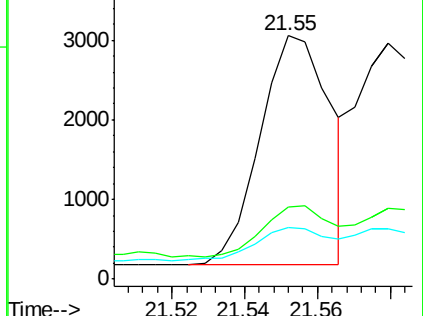
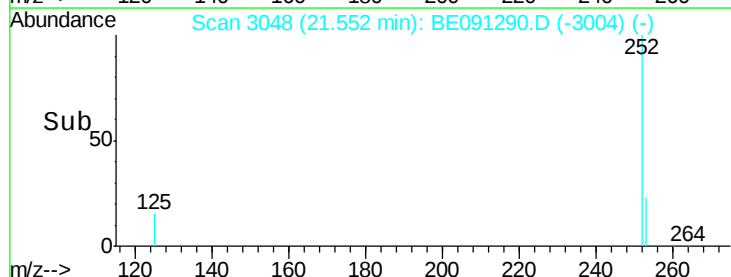
252 100

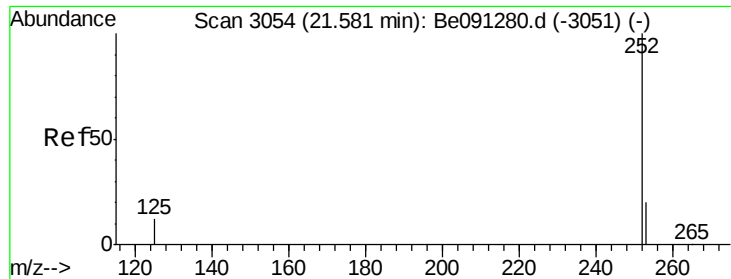
253 29.7 0.0 48.0

125 21.1 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: 0.07 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

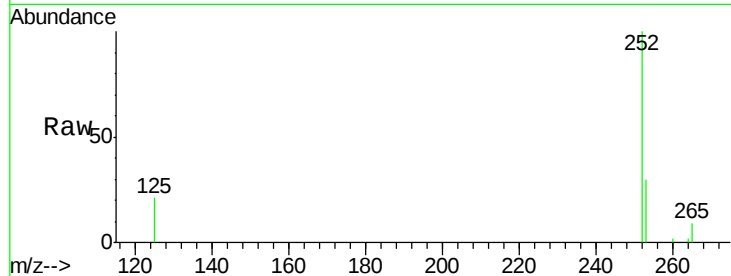
Tgt Ion:252 Resp: 4174

Ion Ratio Lower Upper

252 100

253 29.8 20.8 31.2

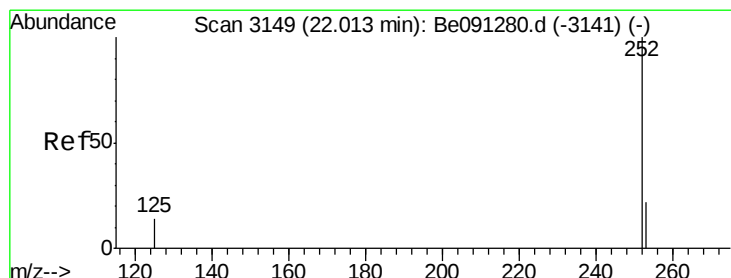
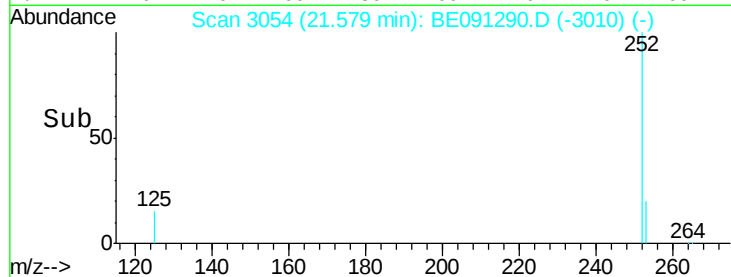
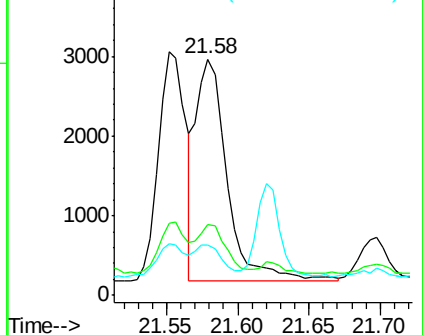
125 21.4 12.2 18.4#



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: 0.09 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

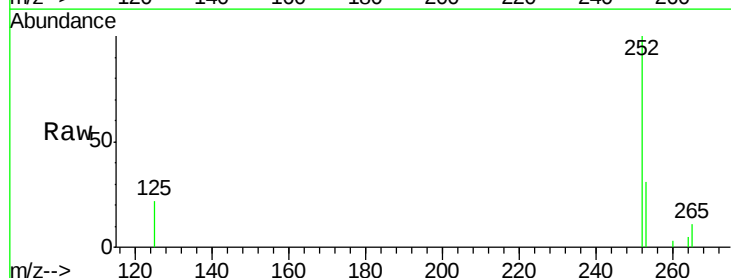
Tgt Ion:252 Resp: 4325

Ion Ratio Lower Upper

252 100

253 31.4 21.8 32.8

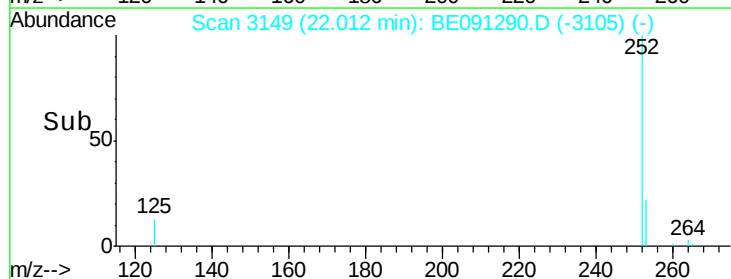
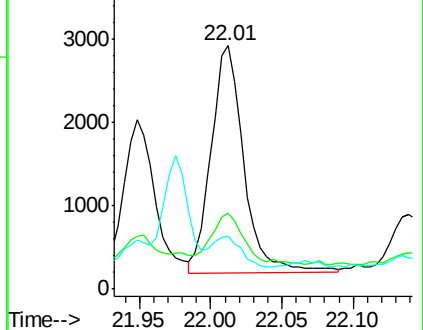
125 21.9 14.5 21.7#

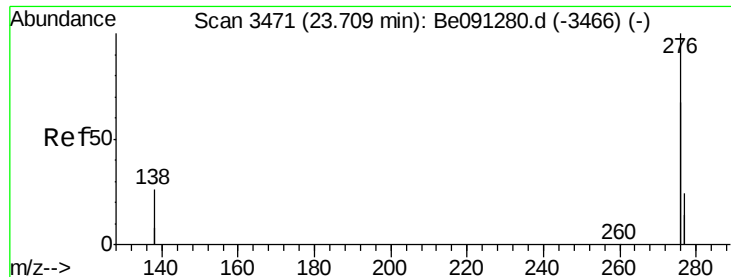


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.05 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

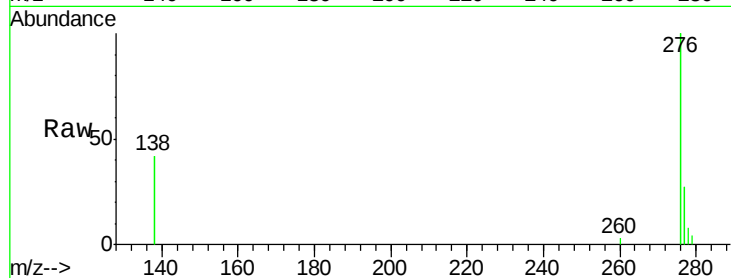
Tgt Ion:276 Resp: 10092

Ion Ratio Lower Upper

276 100

138 29.6 27.5 41.3

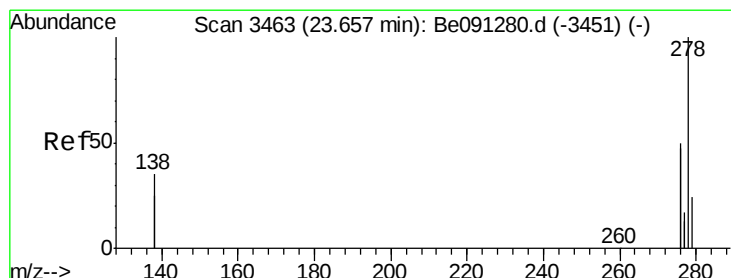
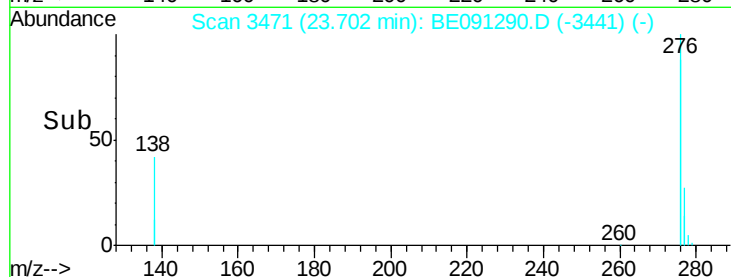
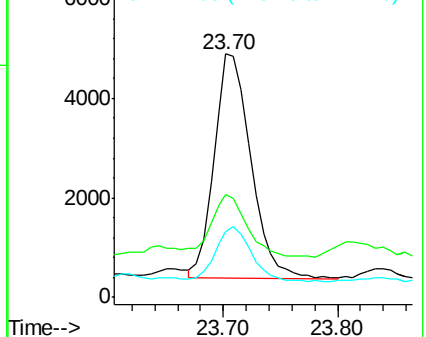
277 23.9 19.3 28.9



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: 0.02 ng/ul

RT: 23.66 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

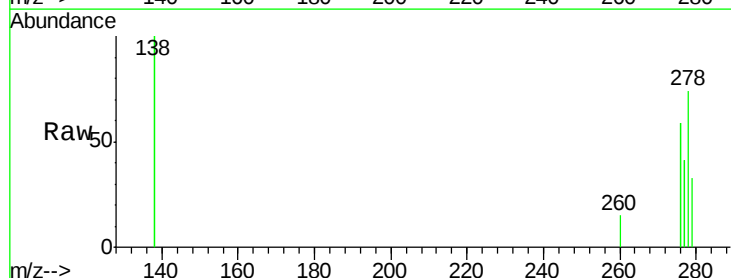
Tgt Ion:278 Resp: 795

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

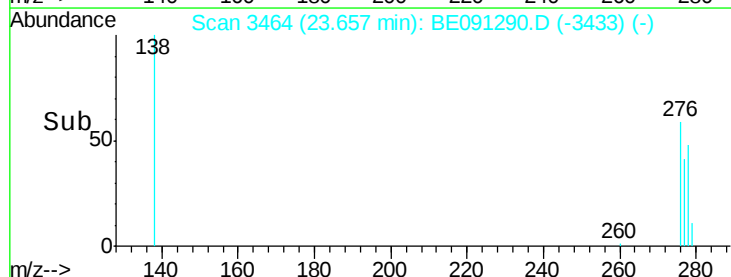
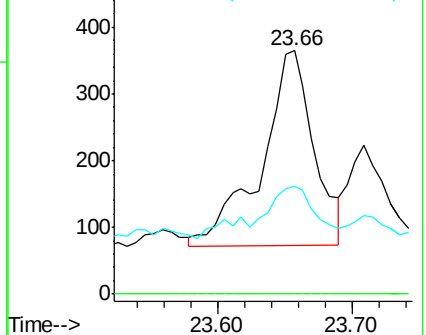
279 44.1 21.9 32.9#

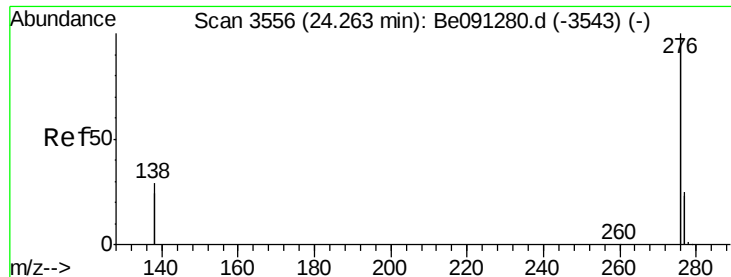


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.05 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091290.D

Acq: 21 Nov 2015 23:31

Instrument :

BNA_E

ClientSampleId :

A4J69MSD

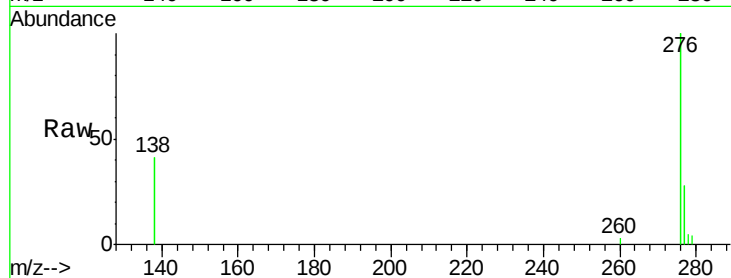
Tgt Ion: 276 Resp: 11766

Ion Ratio Lower Upper

276 100

277 28.5 21.3 31.9

138 40.8 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

