

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091232.D
 Acq On : 18 Nov 2015 17:43
 Operator : UM/NP
 Sample : G4273-05DL 25X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0DL2

Quant Time: Nov 19 06:03:54 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 : Thu Nov 19 06:02:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2686	0.40	ng/ul	0.00
4) Naphthalene-d8	9.58	136	12801	0.40	ng/ul	0.02
8) Acenaphthene-d10	13.38	164	6576	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	22424	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	37881	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	33743	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.01	96	15	0.01	ng/uL	0.01
6) 2-Methylnaphthalene-d10	11.07	152	4	0.00	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	327	0.01	ng/ul	0.00

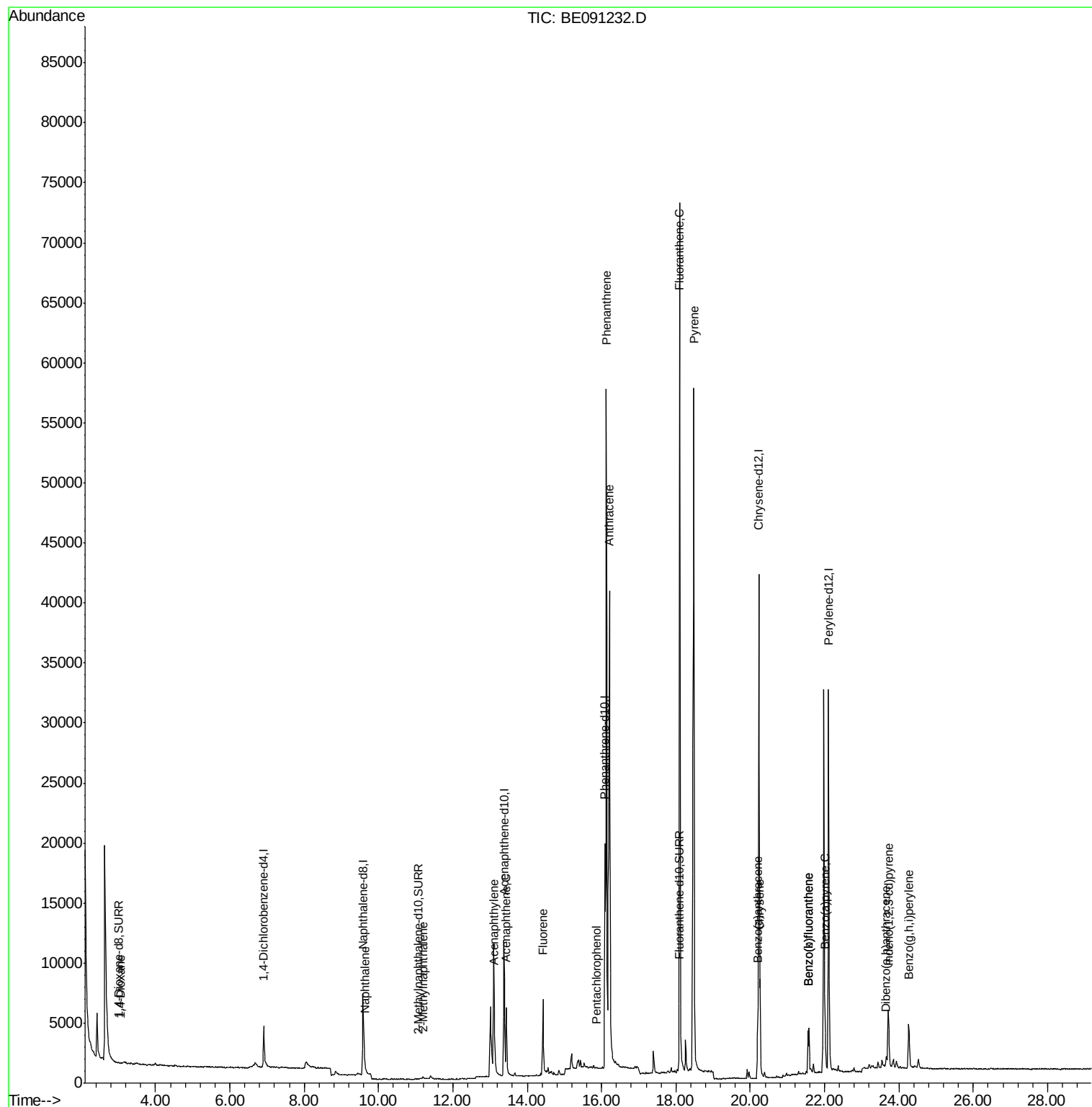
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.07	88	49	0.02	ng/ul#	59
5) Naphthalene	9.63	128	404	0.01	ng/ul#	43
7) 2-Methylnaphthalene	11.18	142	283	0.01	ng/ul	94
9) Acenaphthylene	13.12	152	681	0.02	ng/ul#	71
10) Acenaphthene	13.44	153	3642	0.16	ng/ul#	84
11) Fluorene	14.42	166	4874	0.17	ng/ul	93
13) Pentachlorophenol	15.86	266	18	0.01	ng/ul#	34
14) Phenanthrene	16.12	178	62840	0.24	ng/ul	99
15) Anthracene	16.21	178	50292	0.21	ng/ul	99
17) Fluoranthene	18.10	202	84542	0.28	ng/ul	89
19) Pyrene	18.48	202	65782	0.15	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	5344	0.05	ng/ul	96
21) Chrysene	20.26	228	7553	0.07	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	3539	0.03	ng/ul	92
24) Benzo(k)fluoranthene	21.56	252	3539	0.03	ng/ul	96
25) Benzo(a)pyrene	22.01	252	4538	0.05	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.71	276	7273	0.02	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	725	0.01	ng/ul#	60
28) Benzo(g,h,i)perylene	24.27	276	6582	0.02	ng/ul#	88

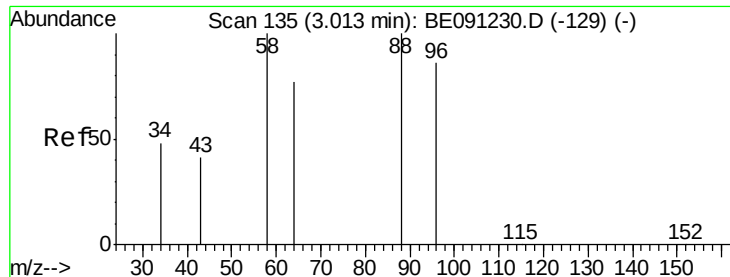
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 3.07 min Scan# 143

Delta R.T. 0.05 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

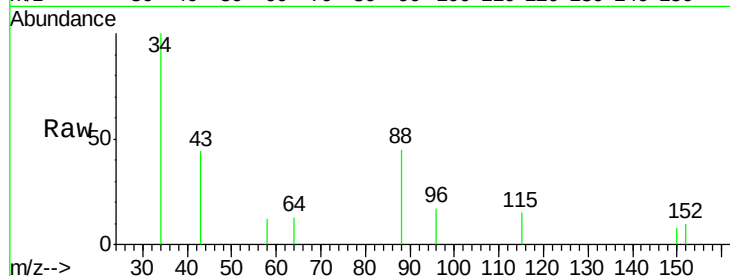
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

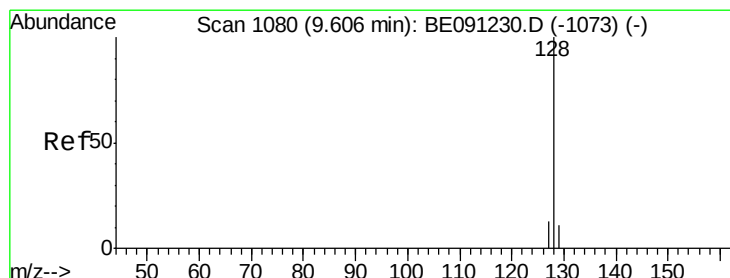
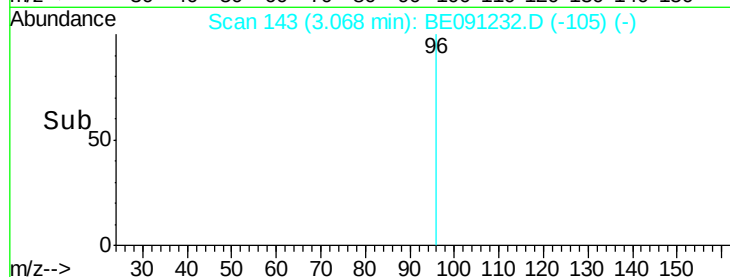
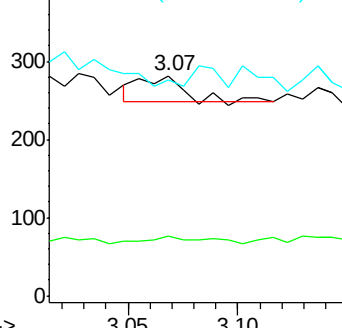
88 100

58 30.6 55.4 83.2#

43 44.9 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: 0.01 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. 0.03 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

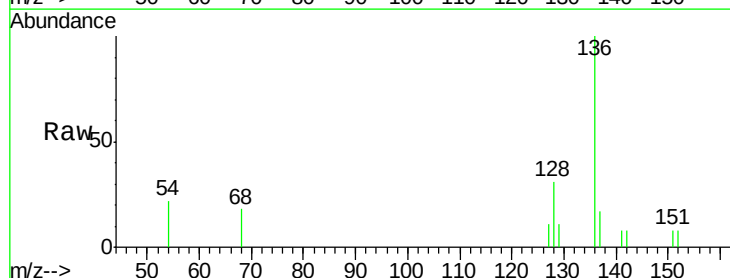
Tgt Ion: 128 Resp: 404

Ion Ratio Lower Upper

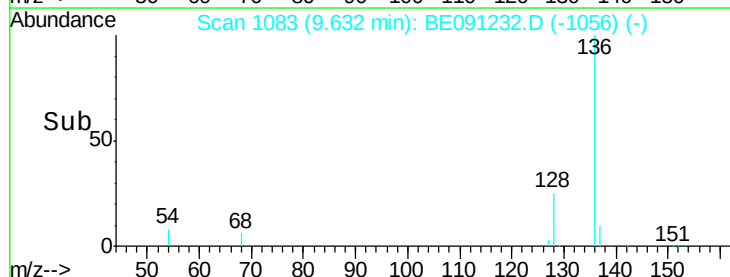
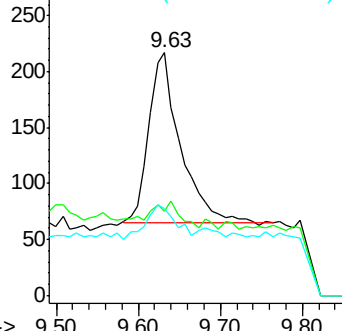
128 100

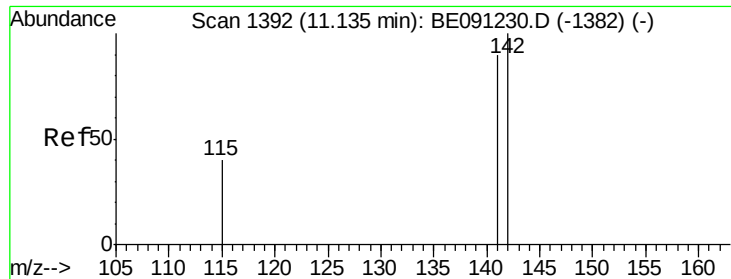
129 34.6 9.8 14.8#

127 35.9 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: 0.01 ng/ul

RT: 11.18 min Scan# 1403

Delta R.T. 0.05 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

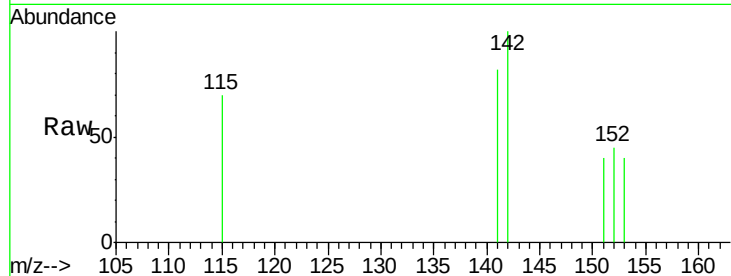
C0AP0DL2

Tgt Ion:142 Resp: 283

Ion Ratio Lower Upper

142 100

141 93.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

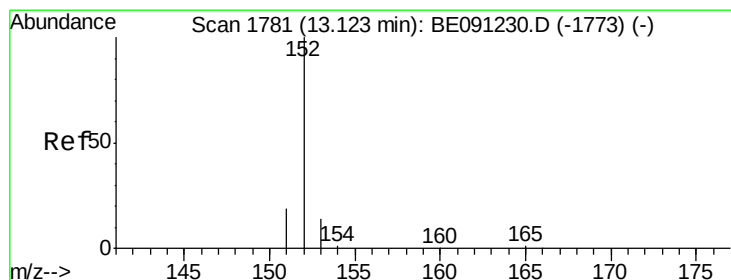
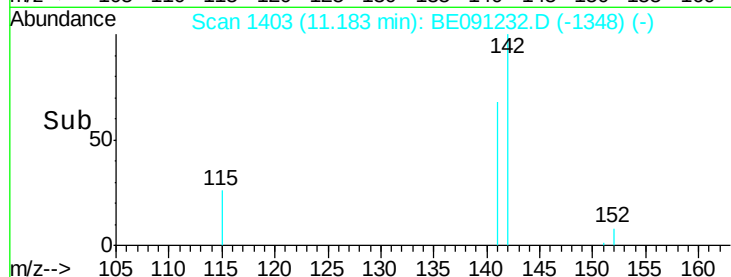
11.18

100

50

0

Time--> 11.10 11.20 11.30



#9

Acenaphthylene

Concen: 0.02 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

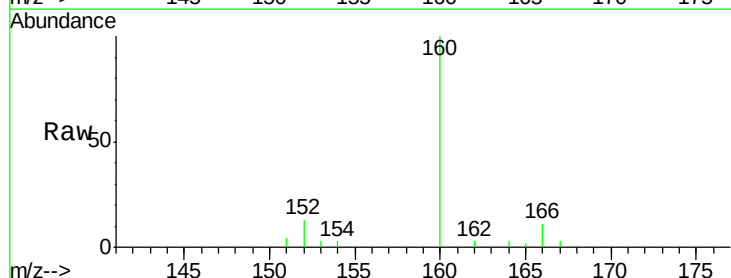
Tgt Ion:152 Resp: 681

Ion Ratio Lower Upper

152 100

151 33.6 16.8 25.2#

153 26.9 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

13.12

400

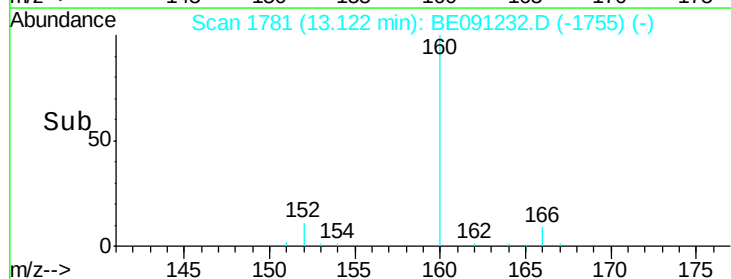
300

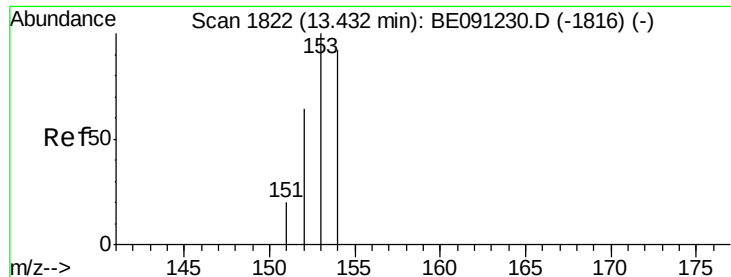
200

100

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.16 ng/ul

RT: 13.44 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

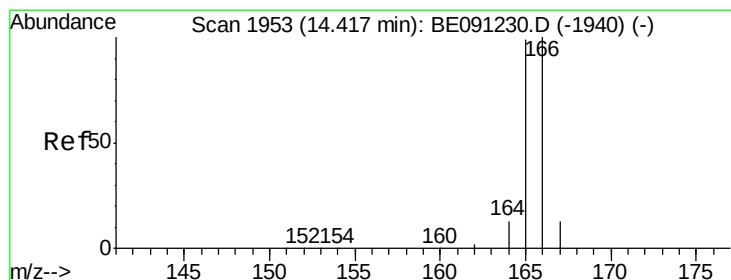
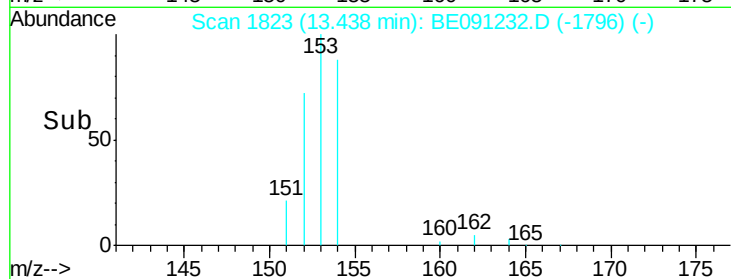
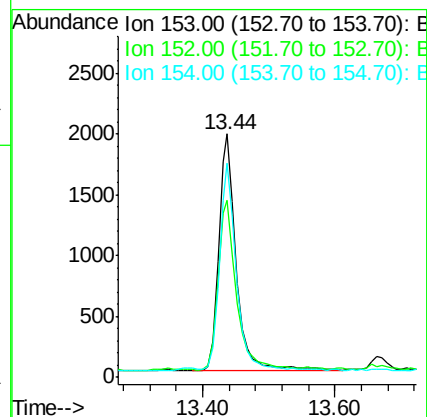
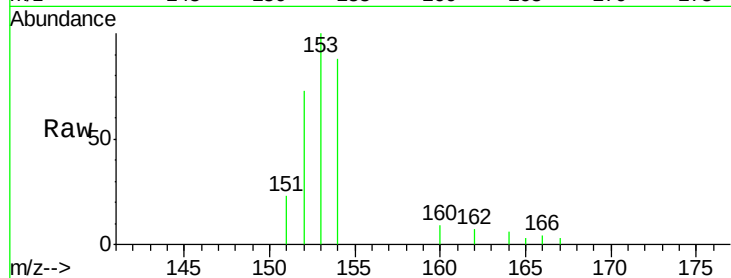
Tgt Ion:153 Resp: 3642

Ion Ratio Lower Upper

153 100

152 72.9 42.3 63.5#

154 88.2 64.7 97.1



#11

Fluorene

Concen: 0.17 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

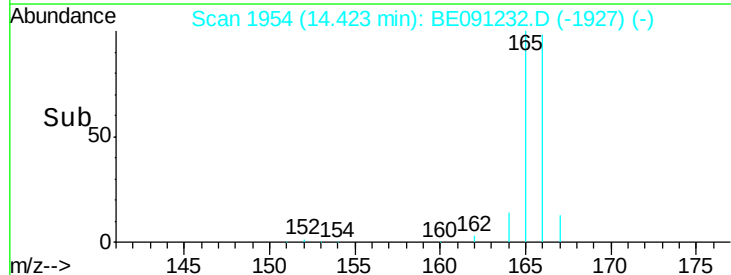
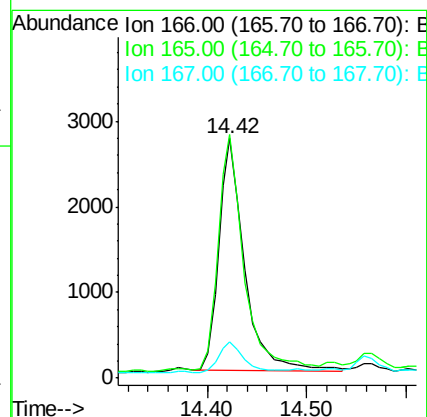
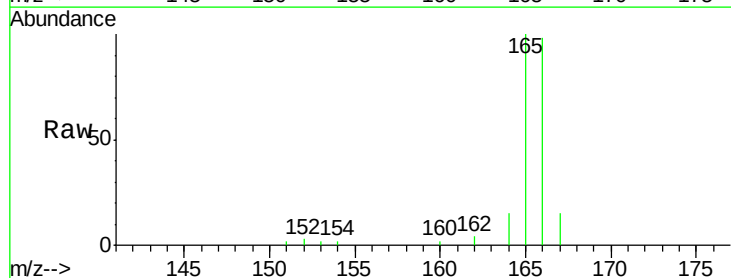
Tgt Ion:166 Resp: 4874

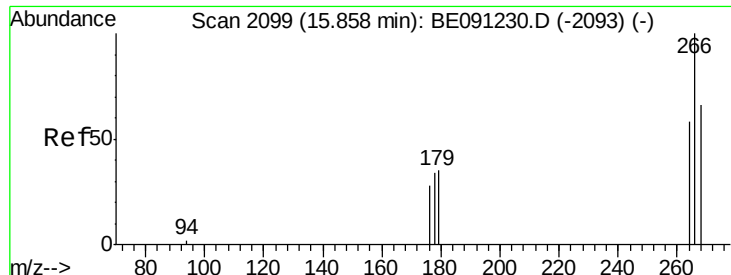
Ion Ratio Lower Upper

166 100

165 101.6 87.6 131.4

167 15.3 11.1 16.7

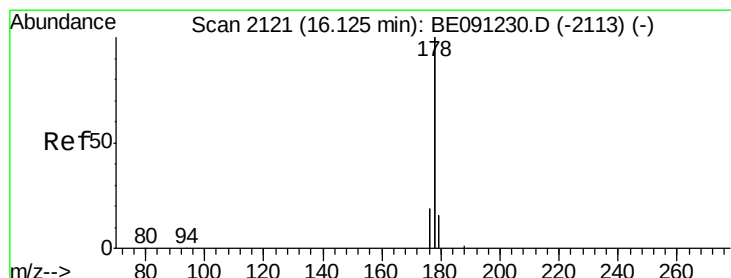
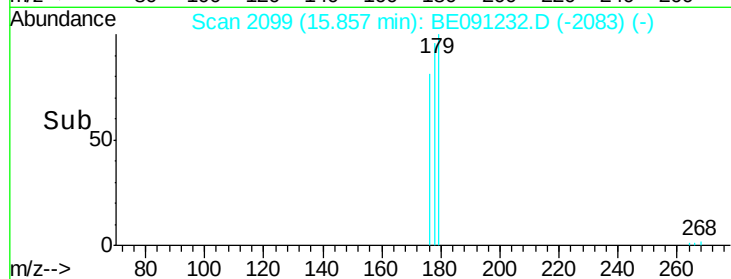
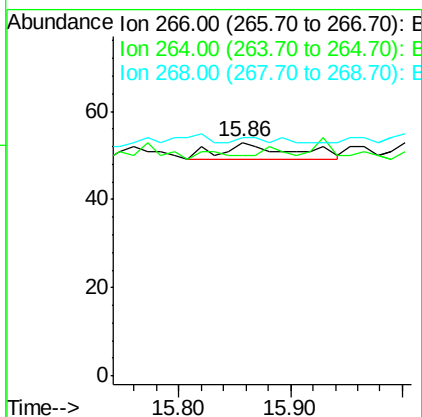
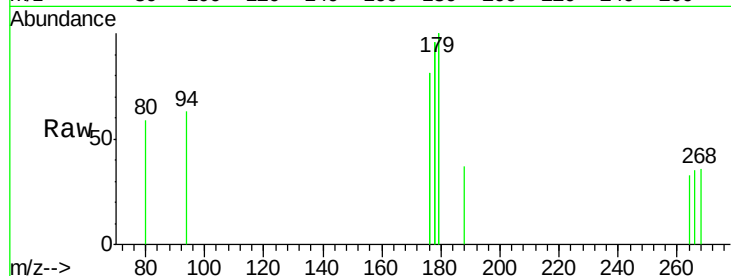




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091232.D
 Acq: 18 Nov 2015 17:43

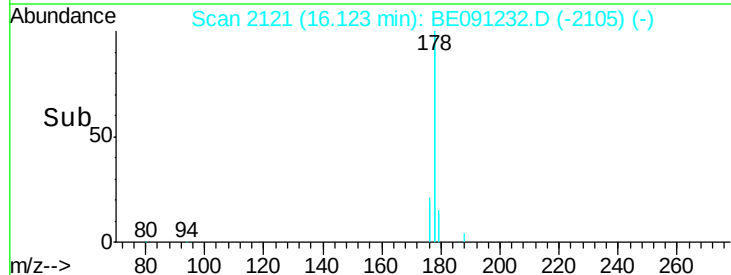
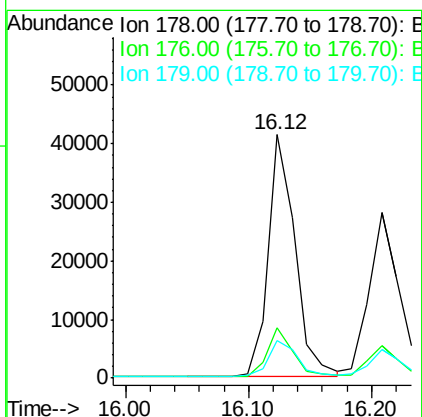
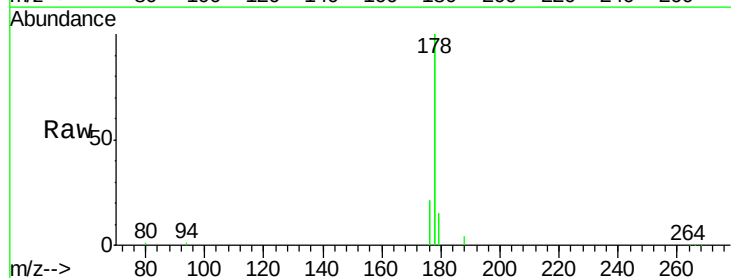
Instrument :
 BNA_E
 ClientSampleId :
 C0AP0DL2

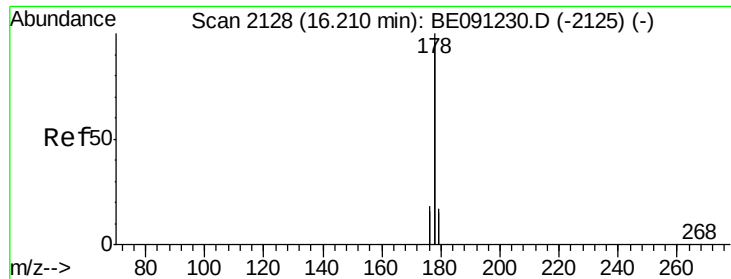
Tgt Ion: 266 Resp: 18
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 27.8 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.24 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091232.D
 Acq: 18 Nov 2015 17:43

Tgt Ion: 178 Resp: 62840
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.2 24.4
 179 15.2 12.8 19.2





#15

Anthracene

Concen: 0.21 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

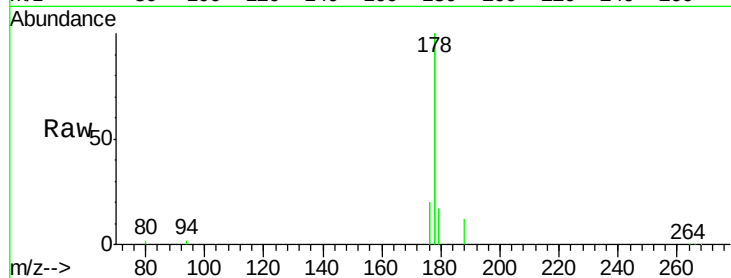
Tgt Ion:178 Resp: 50292

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

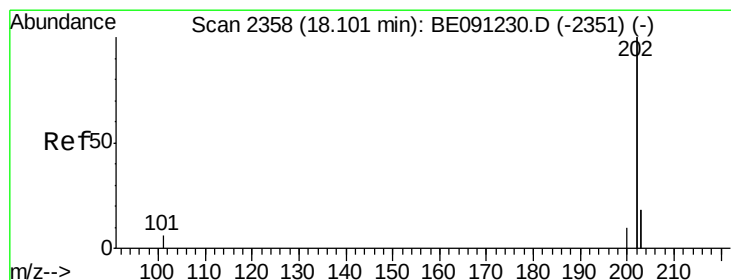
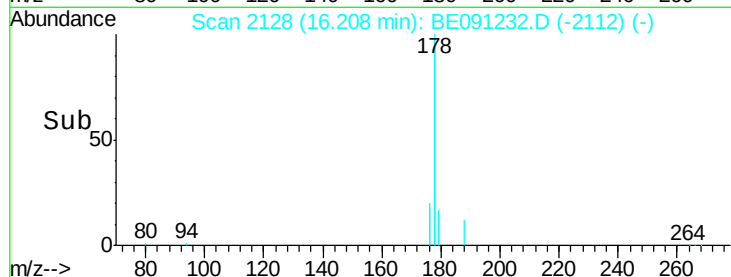
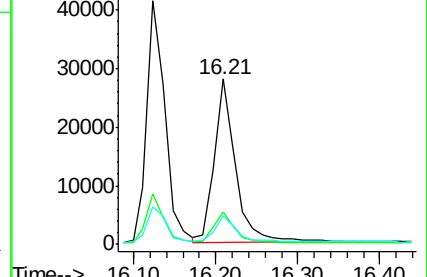
179 17.0 13.3 19.9



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: 0.28 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

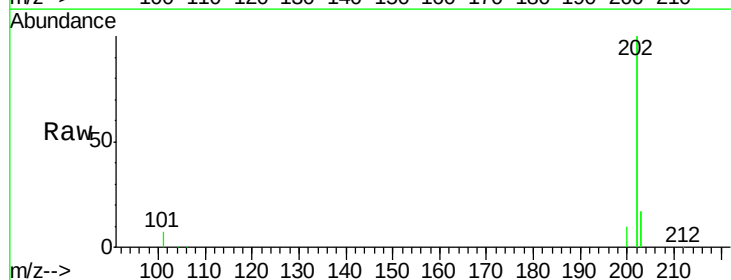
Tgt Ion:202 Resp: 84542

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

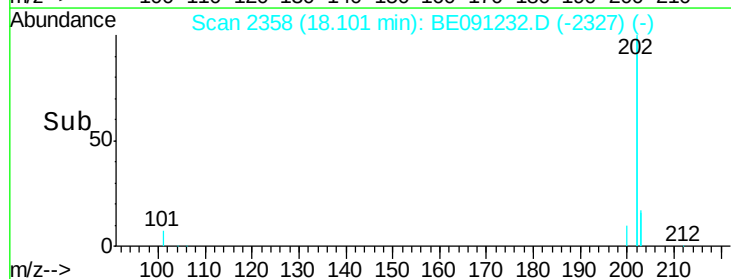
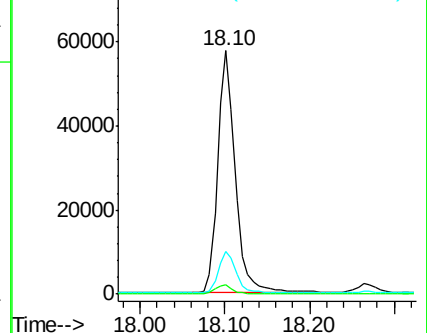
203 17.4 0.0 37.2

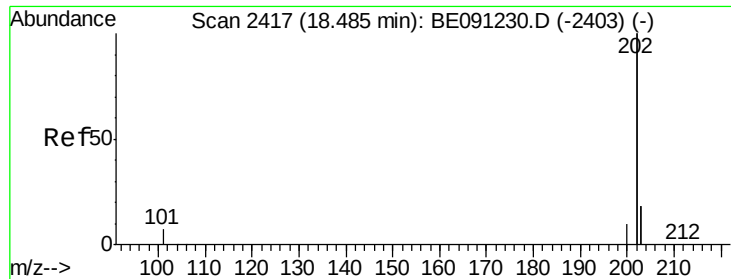


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.15 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

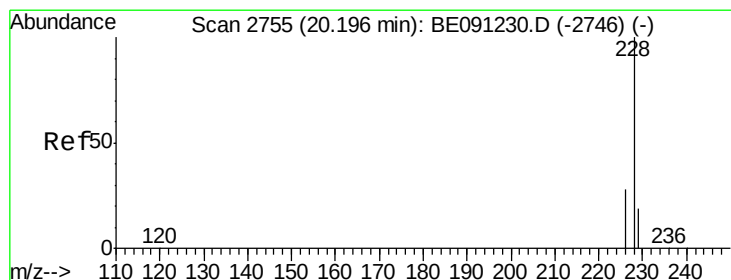
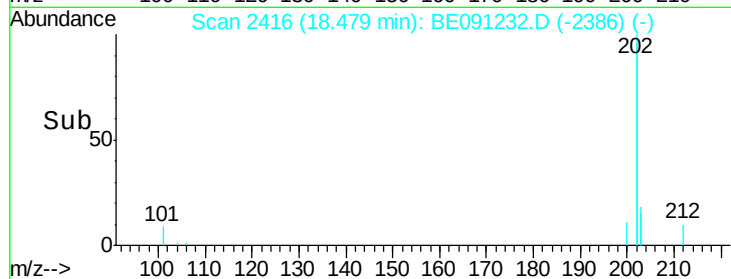
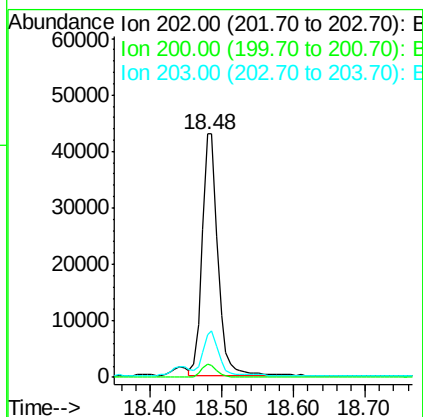
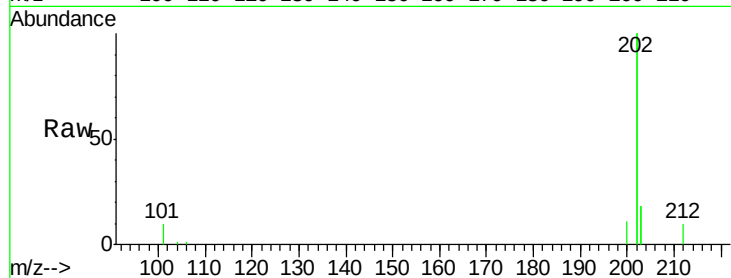
Tgt Ion:202 Resp: 65782

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 17.6 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

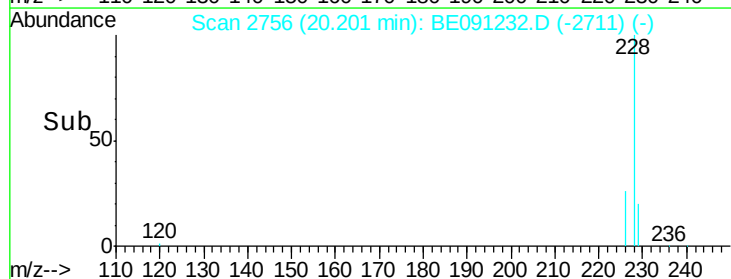
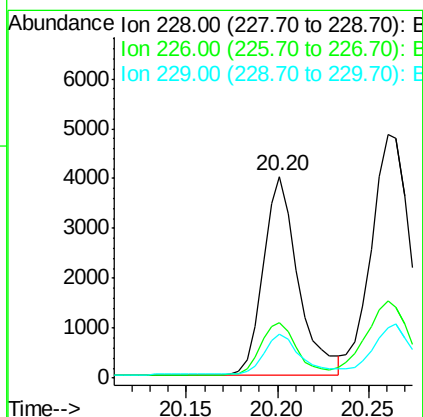
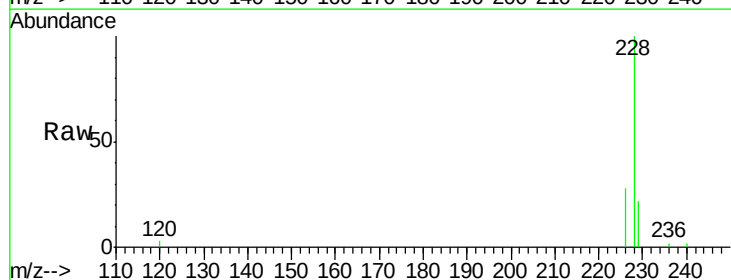
Tgt Ion:228 Resp: 5344

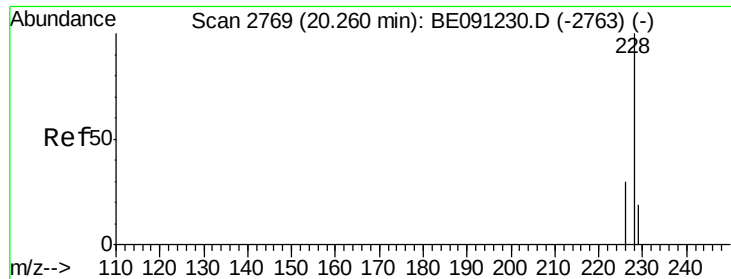
Ion Ratio Lower Upper

228 100

226 27.6 23.0 34.4

229 21.8 15.2 22.8





#21

Chrysene

Concen: 0.07 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

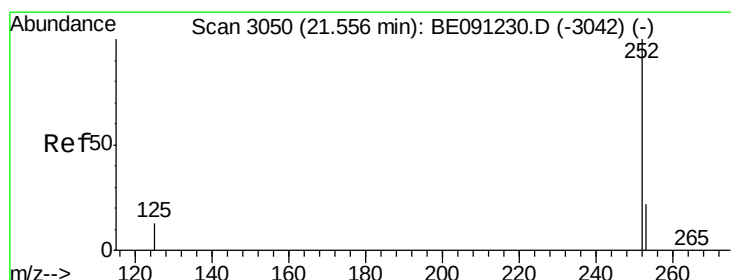
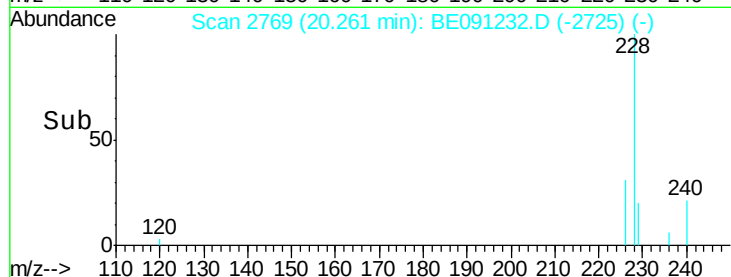
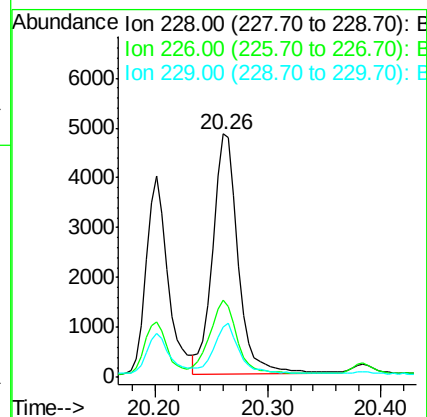
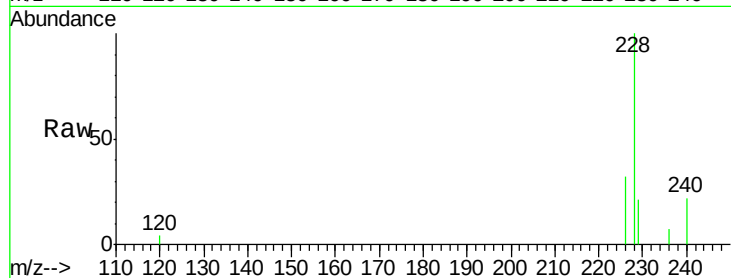
Tgt Ion:228 Resp: 7553

Ion Ratio Lower Upper

228 100

226 31.8 25.7 38.5

229 20.6 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 21.56 min Scan# 3051

Delta R.T. 0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

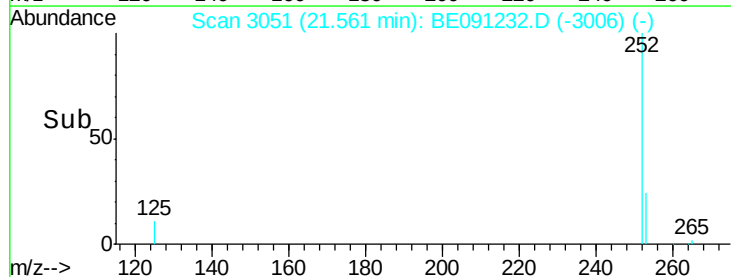
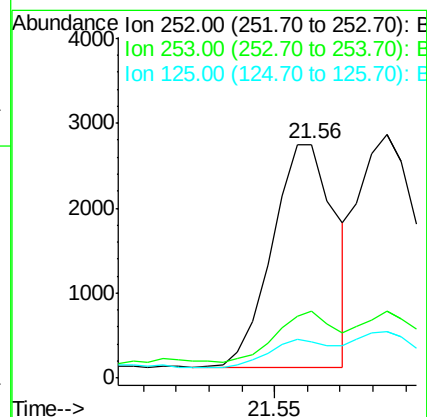
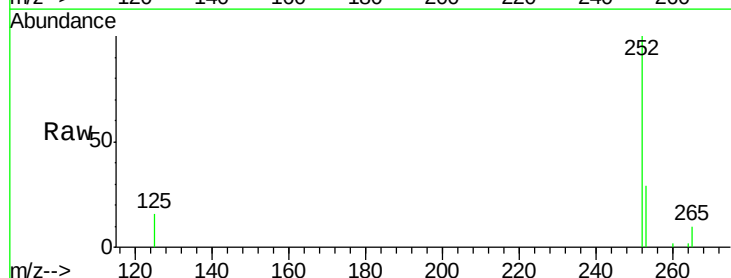
Tgt Ion:252 Resp: 3539

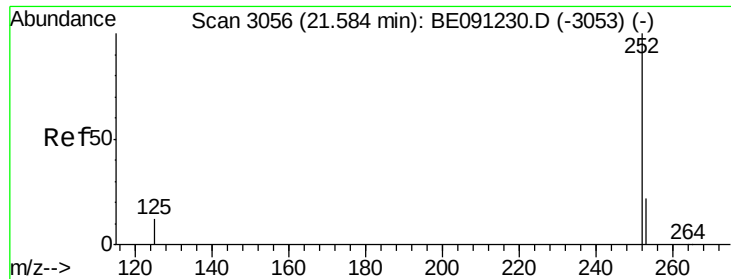
Ion Ratio Lower Upper

252 100

253 28.8 0.0 48.0

125 15.6 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 21.56 min Scan# 3051

Delta R.T. -0.02 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

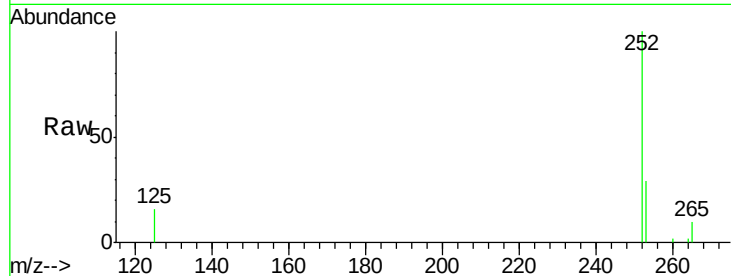
Tgt Ion:252 Resp: 3539

Ion Ratio Lower Upper

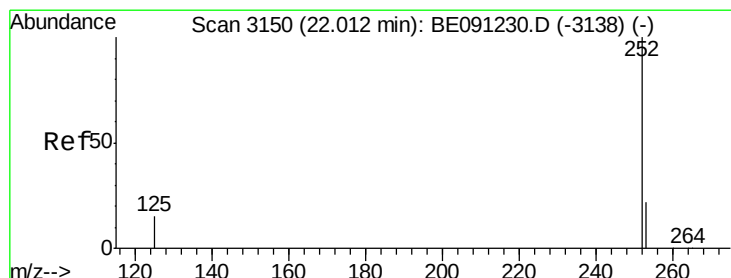
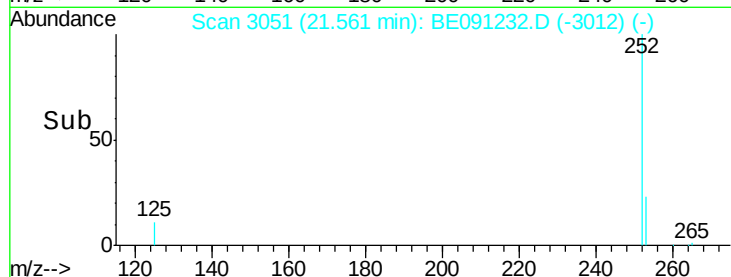
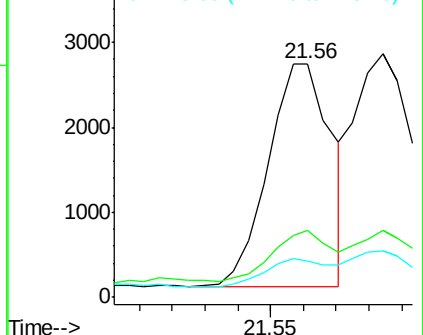
252 100

253 28.8 20.8 31.2

125 15.6 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: 0.05 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

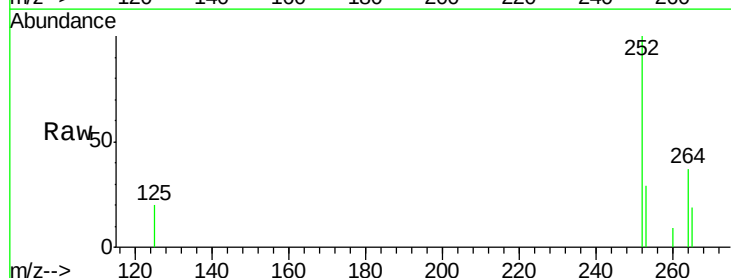
Tgt Ion:252 Resp: 4538

Ion Ratio Lower Upper

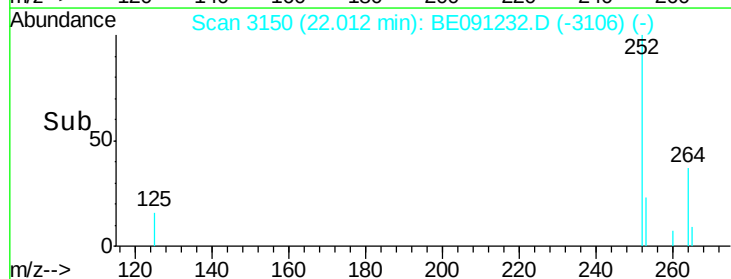
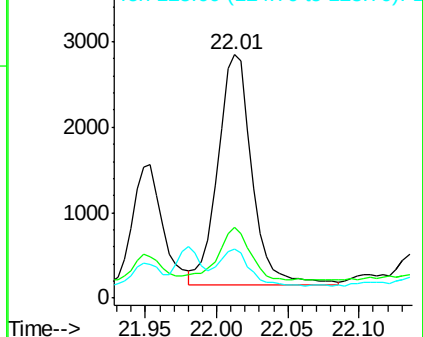
252 100

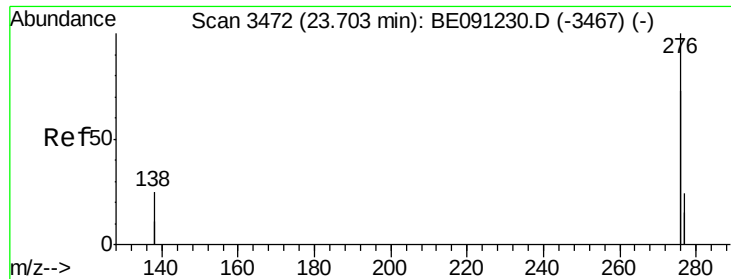
253 29.2 21.8 32.8

125 20.0 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: 0.02 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

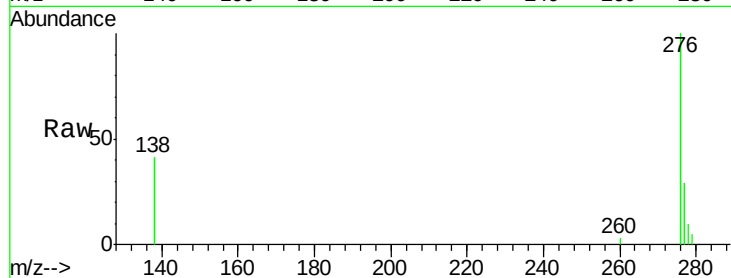
Tgt Ion: 276 Resp: 7273

Ion Ratio Lower Upper

276 100

138 25.5 27.5 41.3#

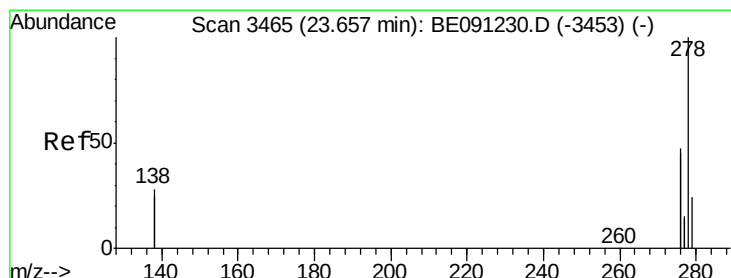
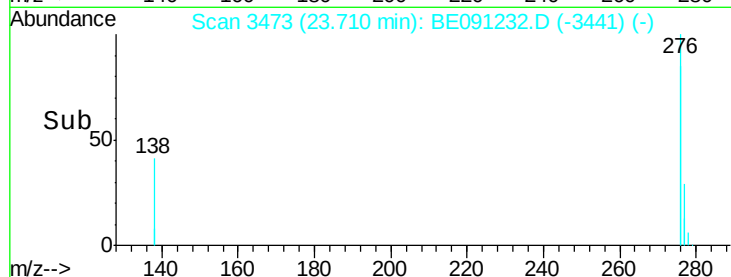
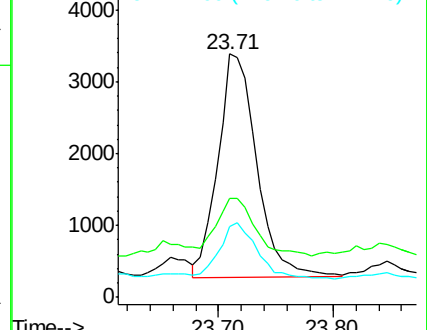
277 24.4 19.3 28.9



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: 0.01 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

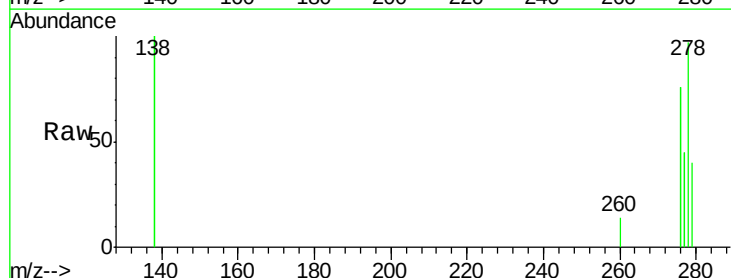
Tgt Ion: 278 Resp: 725

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

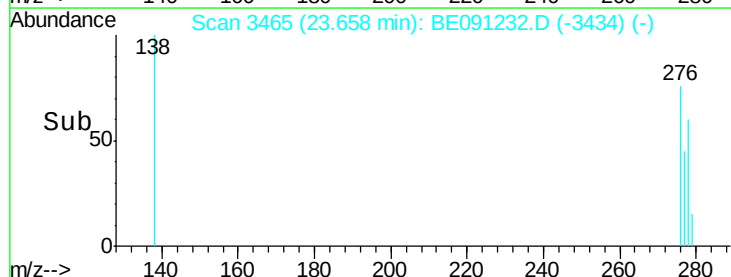
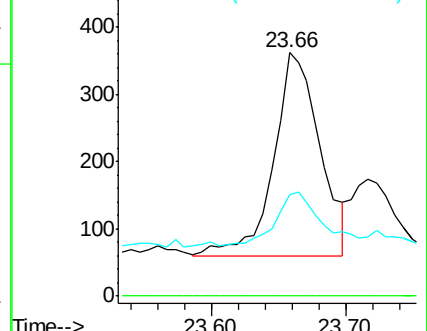
279 41.4 21.9 32.9#

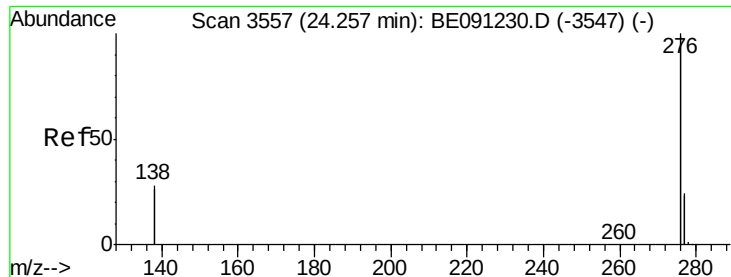


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.02 ng/ul

RT: 24.27 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BE091232.D

Acq: 18 Nov 2015 17:43

Instrument :

BNA_E

ClientSampleId :

C0AP0DL2

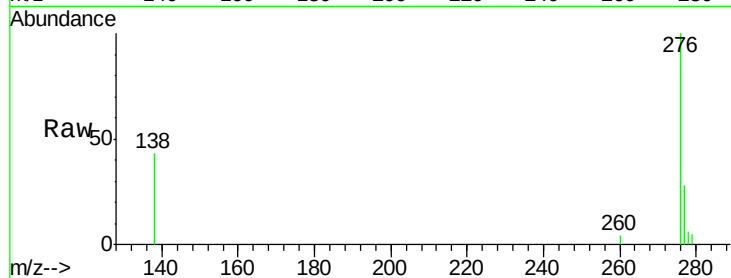
Tgt Ion: 276 Resp: 6582

Ion Ratio Lower Upper

276 100

277 27.9 21.3 31.9

138 42.8 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

