

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091058.D
 Acq On : 27 Oct 2015 20:50
 Operator : UM/NP
 Sample : G4074-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J8DL

Quant Time: Oct 28 04:00:44 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	6198	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	32476	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	18188	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	41484	0.40	ng/ul	0.00
18) Chrysene-d12	20.30	240	44117	0.40	ng/ul	0.00
22) Perylene-d12	22.20	264	44593	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	4983	1.12	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	2440	0.06	ng/ul	-0.02
16) Fluoranthene-d10	18.13	212	6335	0.05	ng/ul	0.00

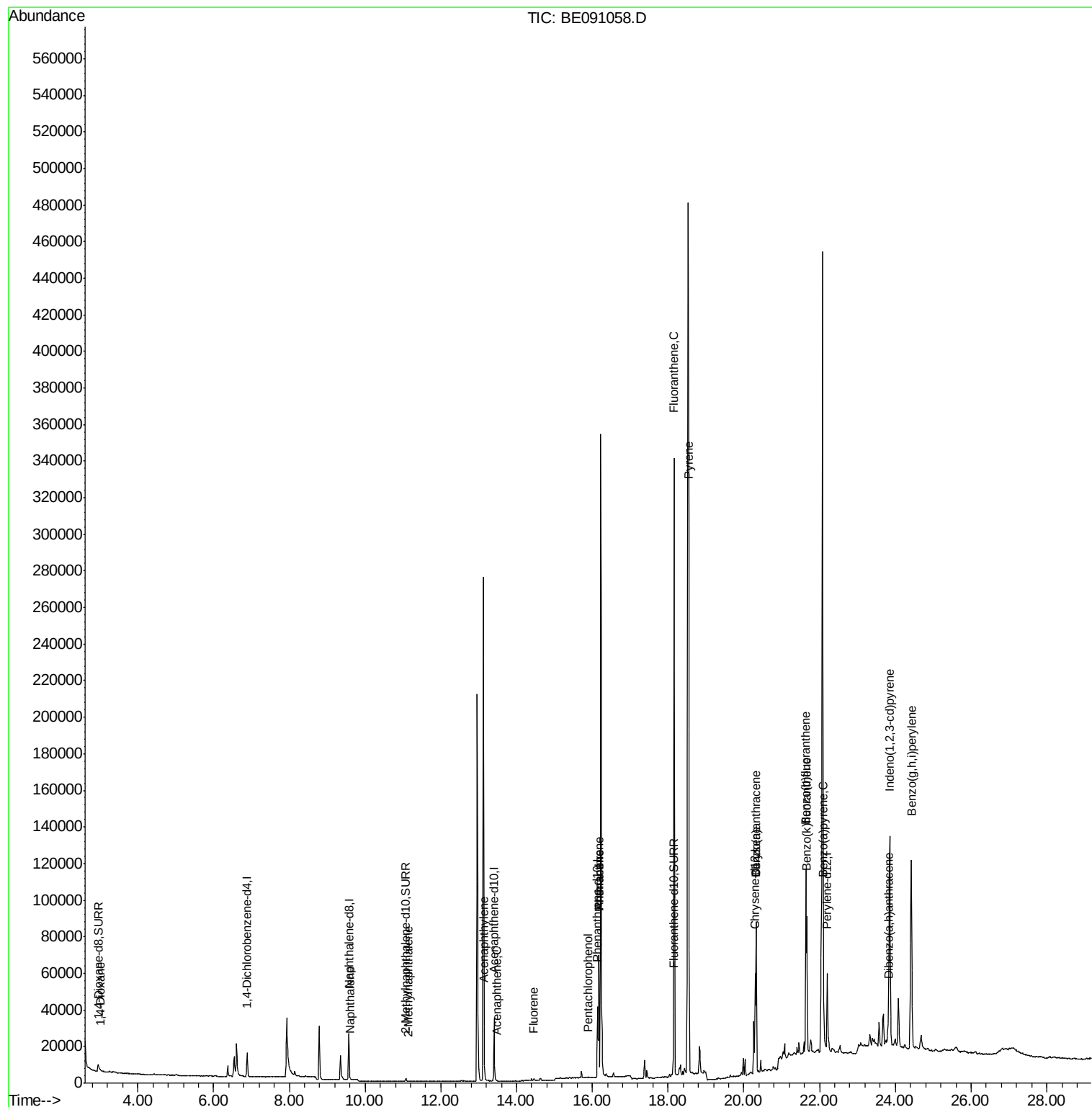
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.03	88	58	0.01	ng/ul#	78
5) Naphthalene	9.61	128	574	0.01	ng/ul#	34
7) 2-Methylnaphthalene	11.14	142	190	0.00	ng/ul	92
9) Acenaphthylene	13.15	152	2294	0.03	ng/ul#	90
10) Acenaphthene	13.47	153	340	0.01	ng/ul#	80
11) Fluorene	14.45	166	1031	0.01	ng/ul#	93
13) Pentachlorophenol	15.89	266	314	0.08	ng/ul	89
14) Phenanthrene	16.17	178	66754	0.14	ng/ul	99
15) Anthracene	16.17	178	66754	0.15	ng/ul	98
17) Fluoranthene	18.16	202	348703	0.62	ng/ul	88
19) Pyrene	18.55	202	307916	0.61	ng/ul#	78
20) Benzo(a)anthracene	20.33	228	79766	0.70	ng/ul	96
21) Chrysene	20.33	228	80192	0.61	ng/ul	95
23) Benzo(b)fluoranthene	21.63	252	107721	0.77	ng/ul	95
24) Benzo(k)fluoranthene	21.66	252	61732	0.43	ng/ul#	87
25) Benzo(a)pyrene	22.10	252	26370	0.21	ng/ul#	56
26) Indeno(1,2,3-cd)pyrene	23.85	276	171992	0.32	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.81	278	8617	0.07	ng/ul#	56
28) Benzo(g,h,i)perylene	24.42	276	170598	0.30	ng/ul#	92

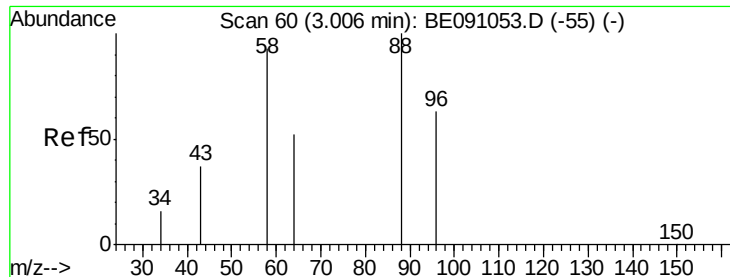
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
Data File : BE091058.D
Acq On : 27 Oct 2015 20:50
Operator : UM/NP
Sample : G4074-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JG9J8DL

Quant Time: Oct 28 04:00:44 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 : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.03 min Scan# 63

Delta R.T. 0.02 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

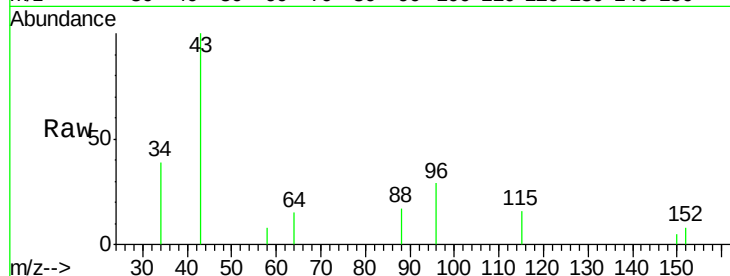
Tot Ion: 88 Resp: 58

Ion Ratio Lower Upper

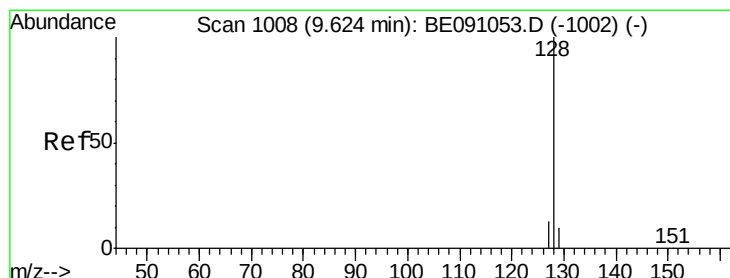
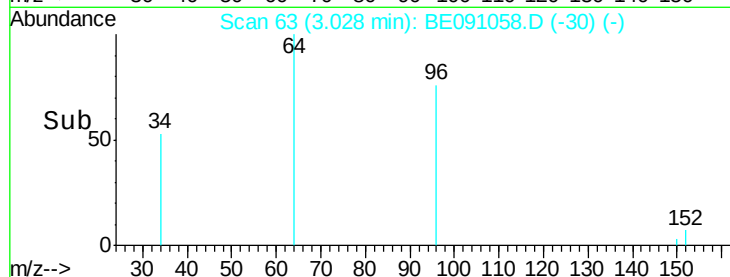
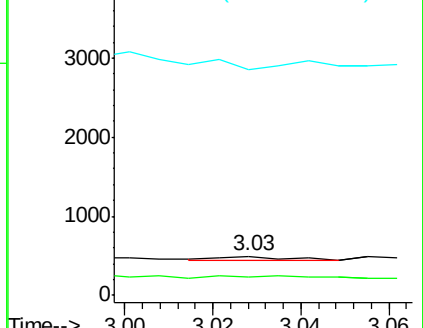
88 100

58 75.9 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: 0.01 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

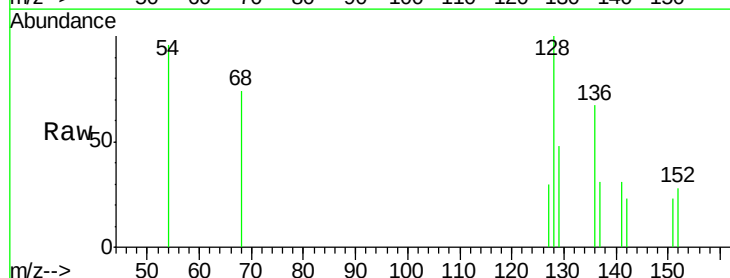
Tgt Ion: 128 Resp: 574

Ion Ratio Lower Upper

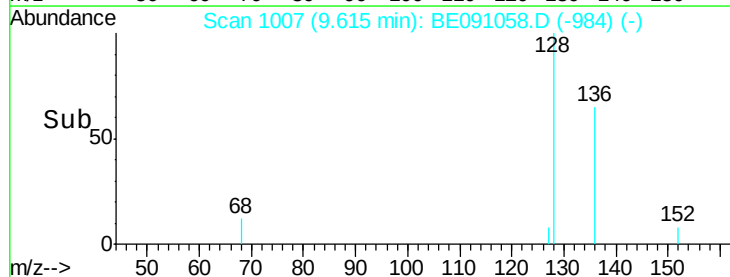
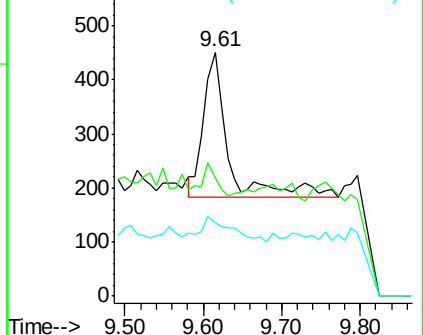
128 100

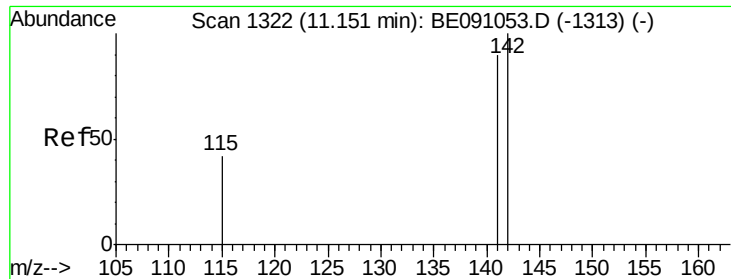
129 48.3 9.8 14.8#

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# 1320

Delta R.T. -0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampled :

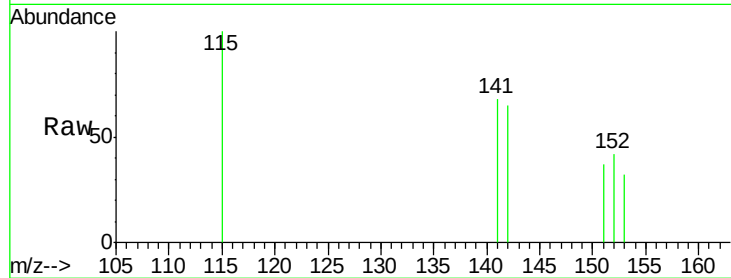
JG9J8DL

Tot Ion:142 Resp: 190

Ion Ratio Lower Upper

142 100

141 95.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

250

200

150

100

50

0

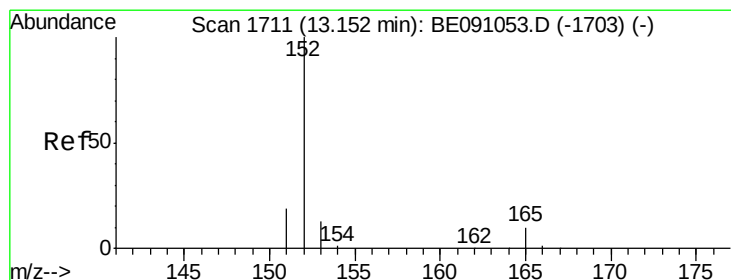
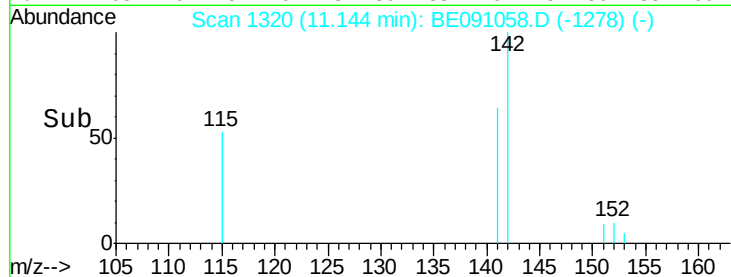
11.05

11.10

11.15

11.20

Time-->



#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

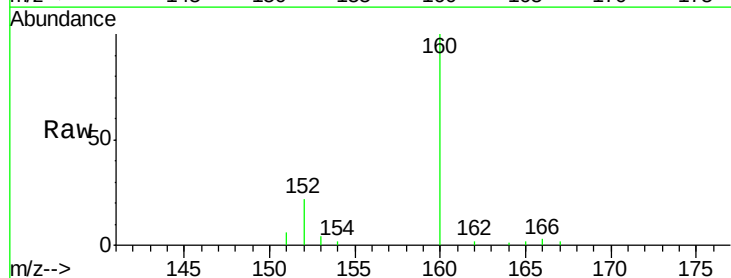
Tgt Ion:152 Resp: 2294

Ion Ratio Lower Upper

152 100

151 25.2 16.8 25.2

153 18.8 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

2000

1500

1000

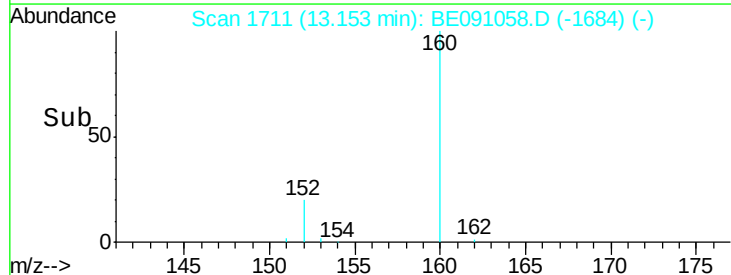
500

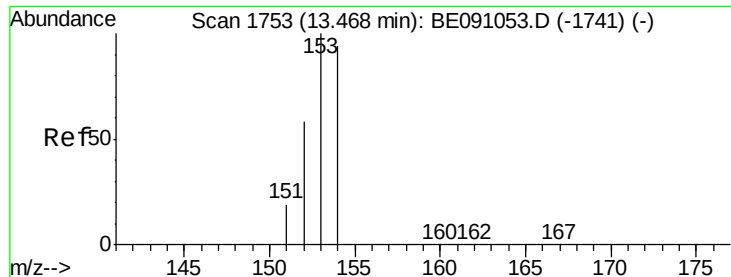
0

13.10

13.20

Time-->





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.47 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

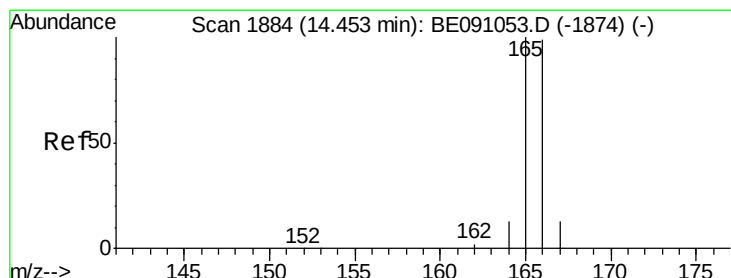
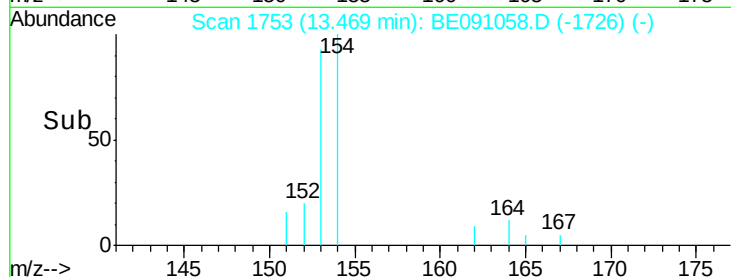
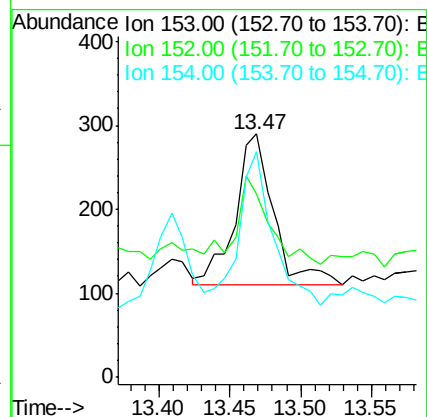
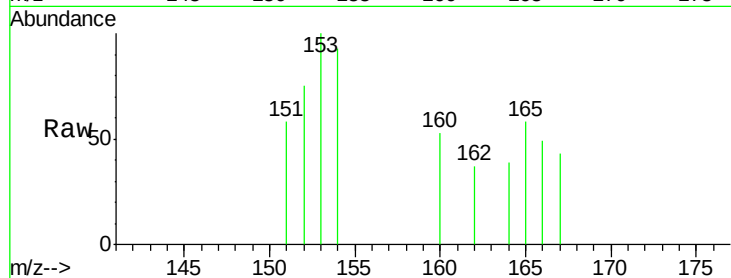
Tot Ion:153 Resp: 340

Ion Ratio Lower Upper

153 100

152 75.2 42.3 63.5#

154 92.8 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

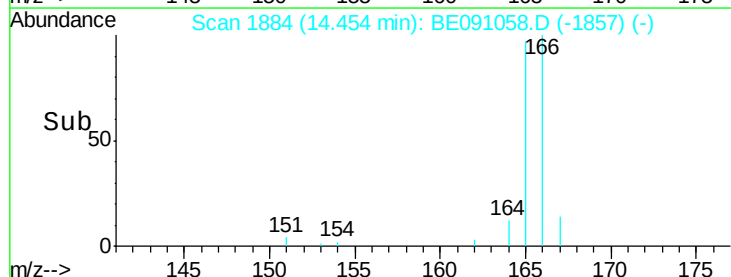
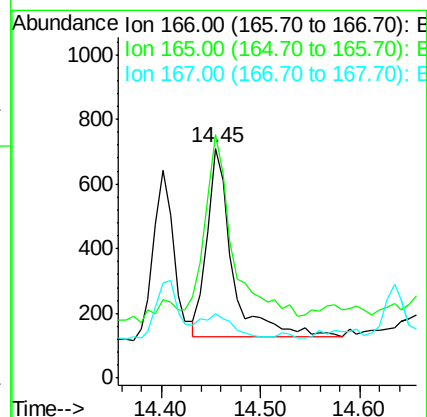
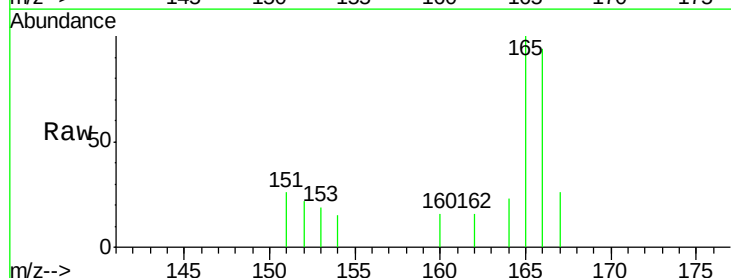
Tgt Ion:166 Resp: 1031

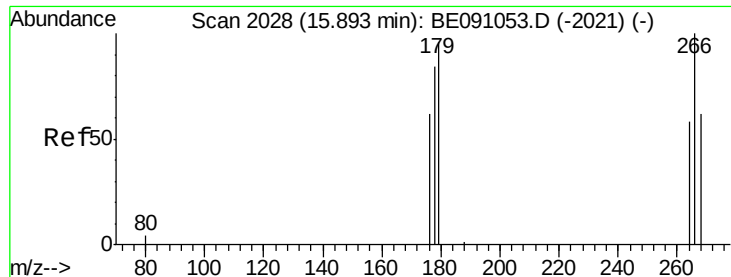
Ion Ratio Lower Upper

166 100

165 105.9 87.6 131.4

167 28.0 11.1 16.7#

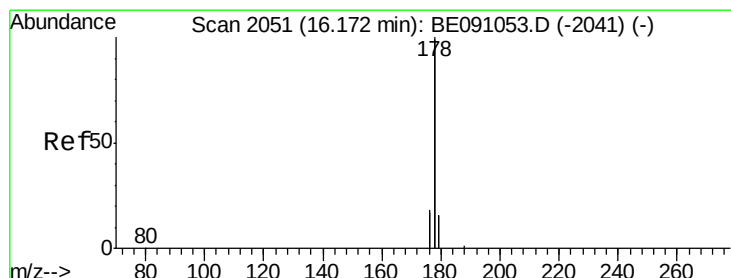
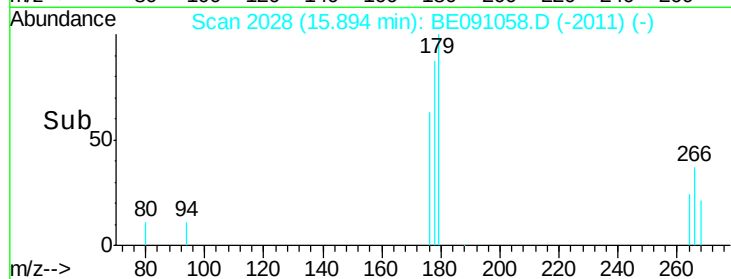
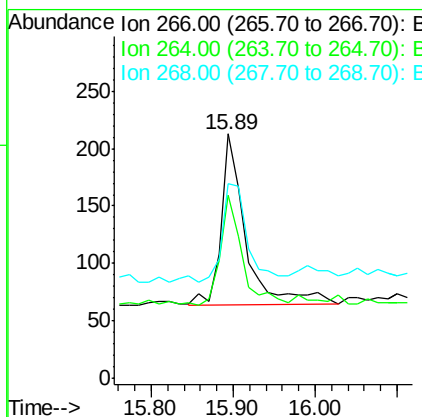
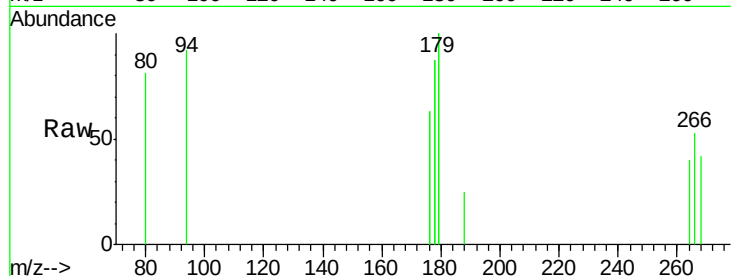




#13
 Pentachlorophenol
 Concen: 0.08 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091058.D
 Acq: 27 Oct 2015 20:50

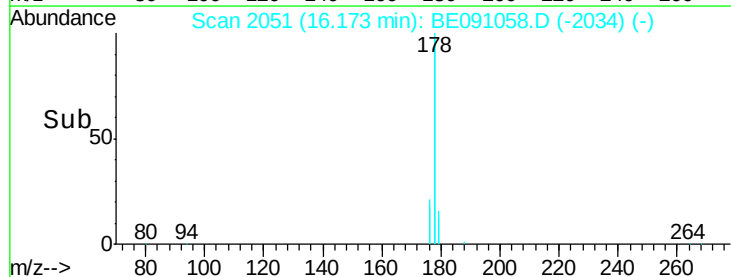
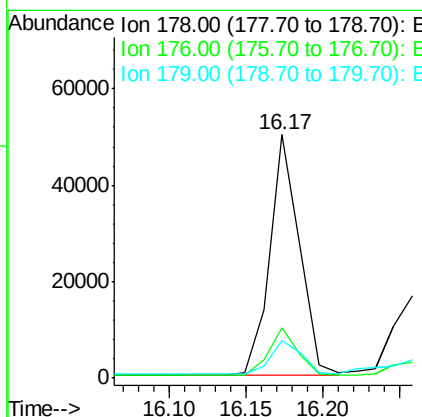
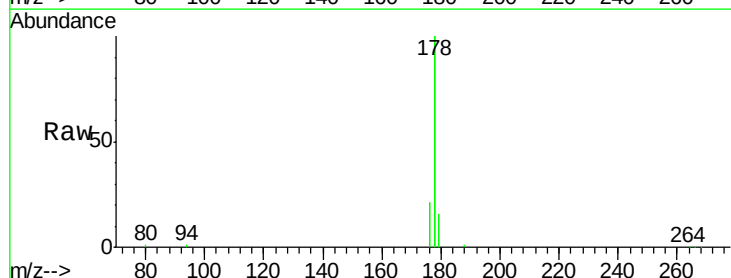
Instrument :
 BNA_E
 ClientSampleId :
 JG9J8DL

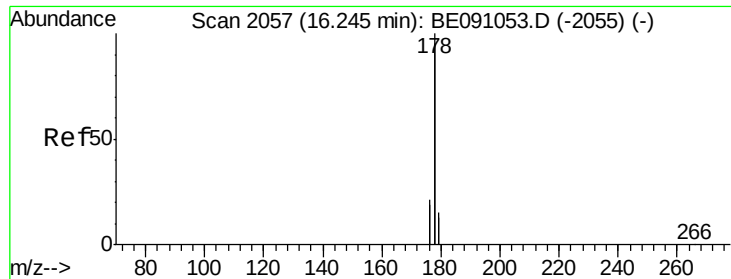
Tot Ion:266 Resp: 314
 Ion Ratio Lower Upper
 266 100
 264 57.6 53.5 80.3
 268 59.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.14 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091058.D
 Acq: 27 Oct 2015 20:50

Tgt Ion:178 Resp: 66754
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 15.6 12.8 19.2





#15

Anthracene

Concen: 0.15 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.07 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

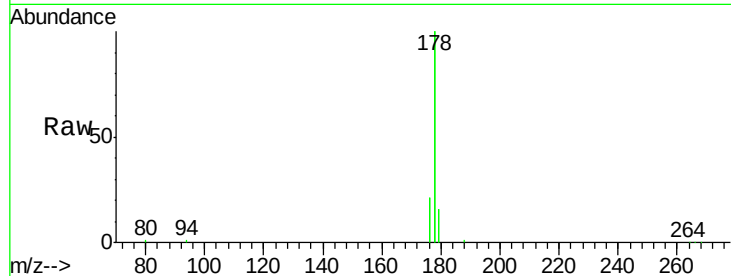
Tot Ion:178 Resp: 66754

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

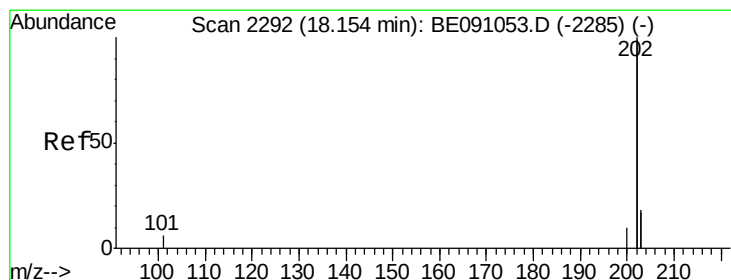
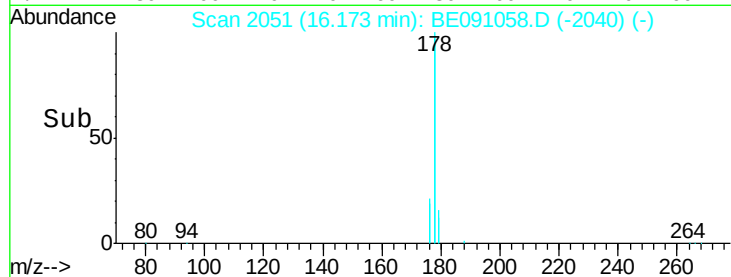
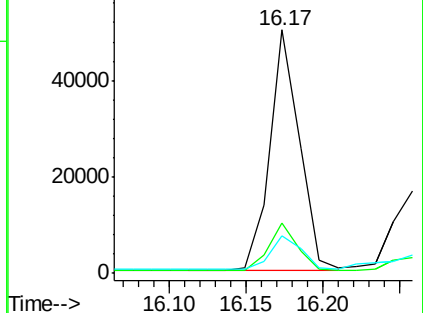
179 15.6 13.3 19.9



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: 0.62 ng/ul

RT: 18.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

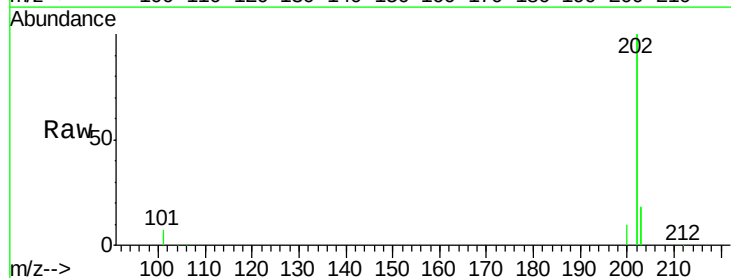
Tgt Ion:202 Resp: 348703

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

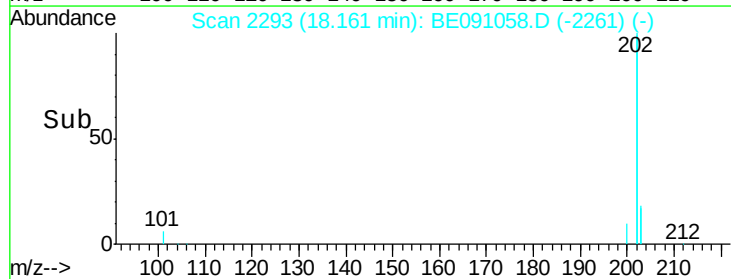
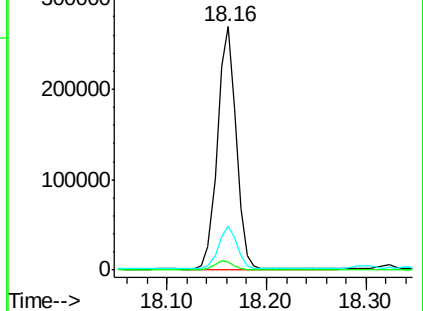
203 18.3 0.0 37.2

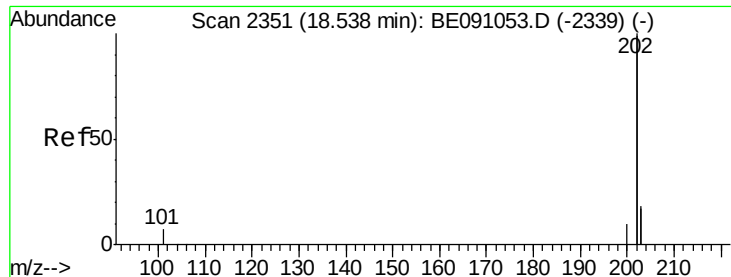


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.61 ng/ul

RT: 18.55 min Scan# 2352

Delta R.T. 0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

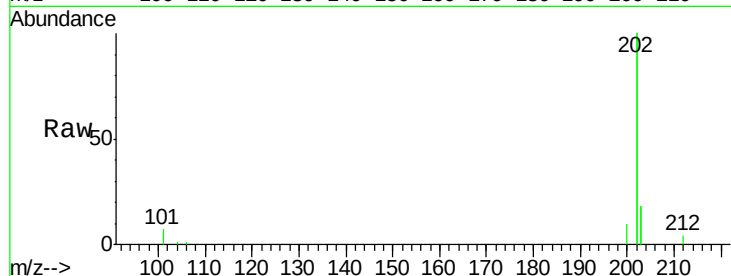
Tot Ion:202 Resp: 307916

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

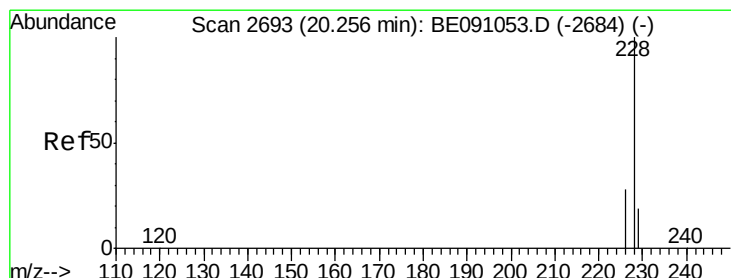
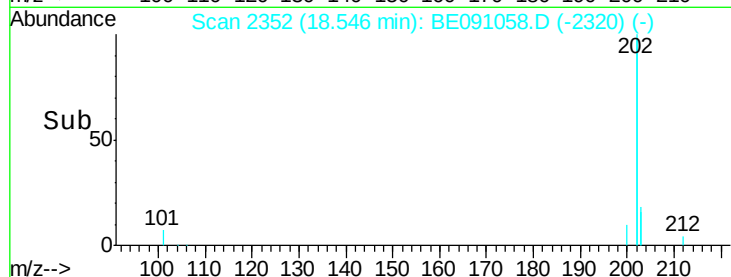
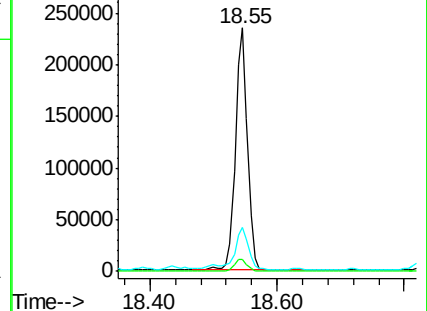
203 18.2 13.8 20.6



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: 0.70 ng/ul

RT: 20.33 min Scan# 2709

Delta R.T. 0.07 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

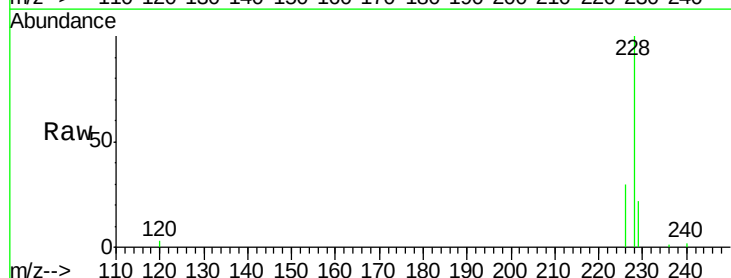
Tgt Ion:228 Resp: 79766

Ion Ratio Lower Upper

228 100

226 30.2 23.0 34.4

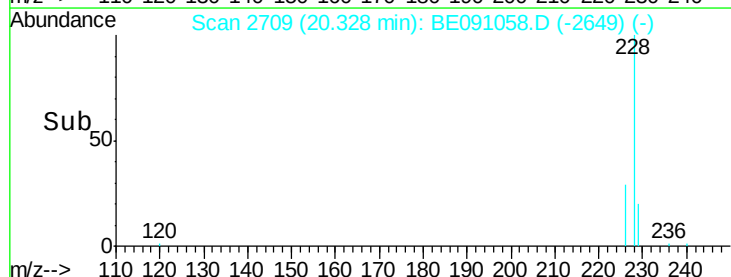
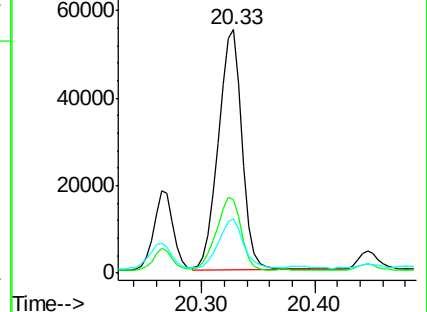
229 22.1 15.2 22.8

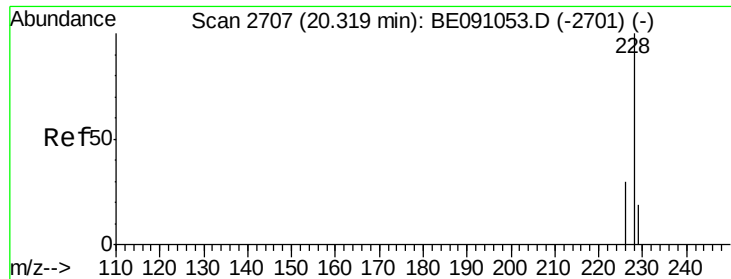


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.61 ng/ul

RT: 20.33 min Scan# 2709

Delta R.T. 0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

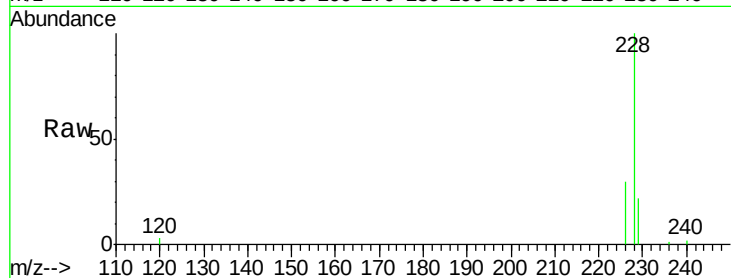
Tot Ion:228 Resp: 80192

Ion Ratio Lower Upper

228 100

226 30.2 25.7 38.5

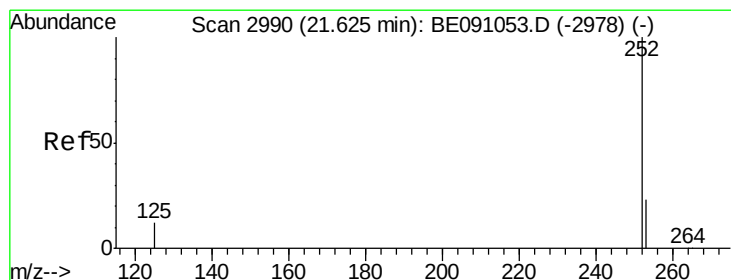
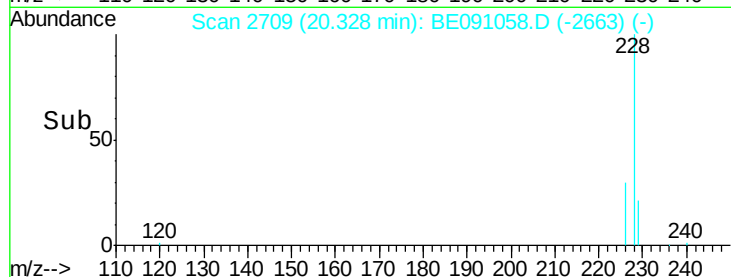
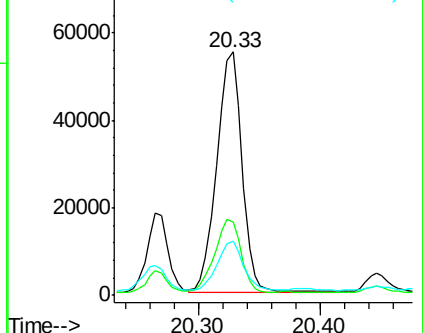
229 22.1 15.2 22.8



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: 0.77 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

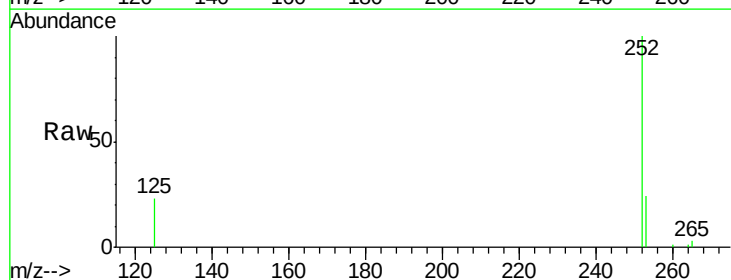
Tgt Ion:252 Resp: 107721

Ion Ratio Lower Upper

252 100

253 24.3 0.0 48.0

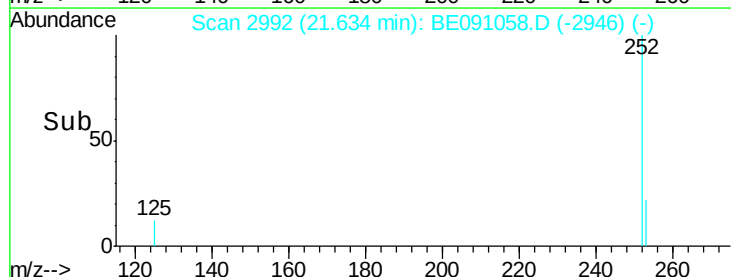
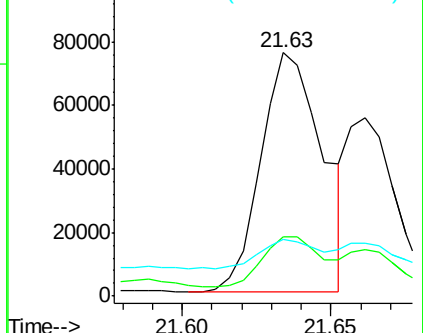
125 23.3 0.0 36.6

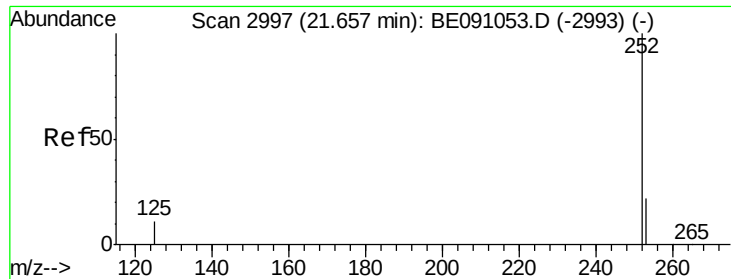


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

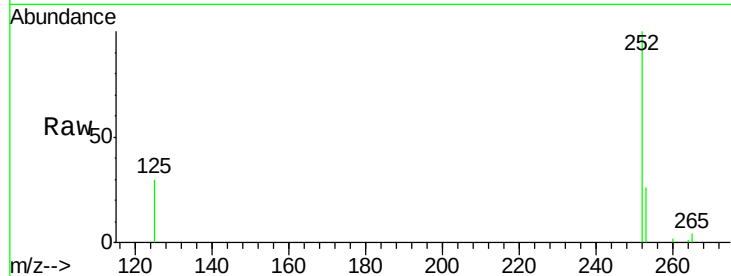
Tot Ion:252 Resp: 61732

Ion Ratio Lower Upper

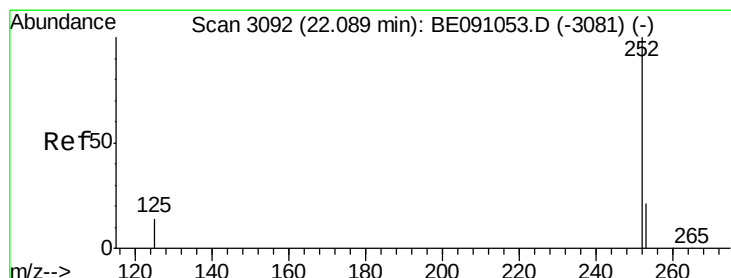
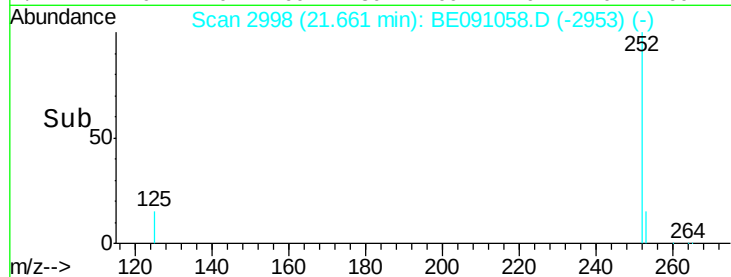
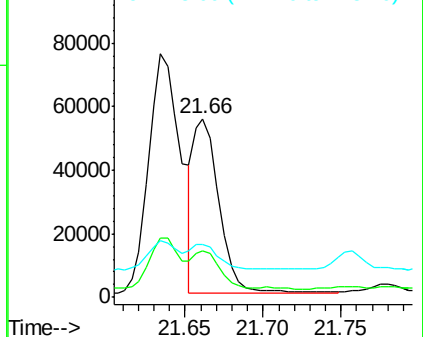
252 100

253 26.1 20.8 31.2

125 29.7 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: 0.21 ng/ul

RT: 22.10 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

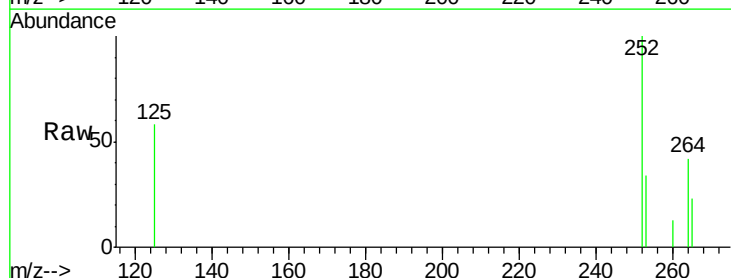
Tgt Ion:252 Resp: 26370

Ion Ratio Lower Upper

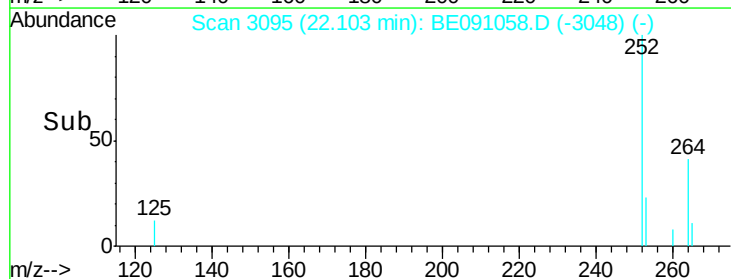
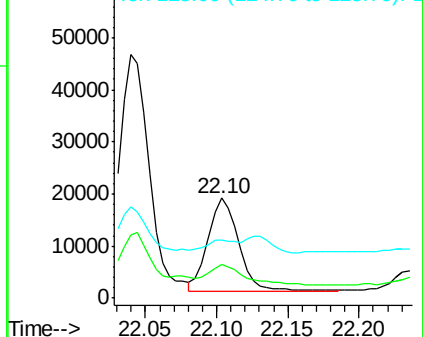
252 100

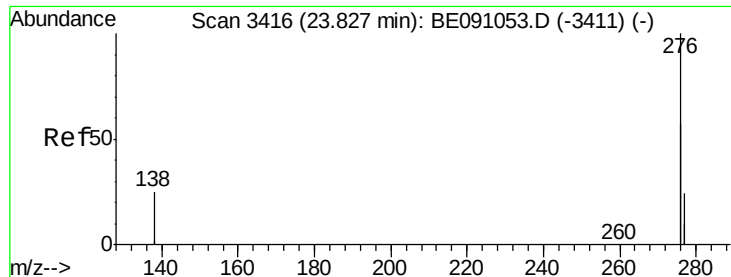
253 34.1 21.8 32.8#

125 58.3 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

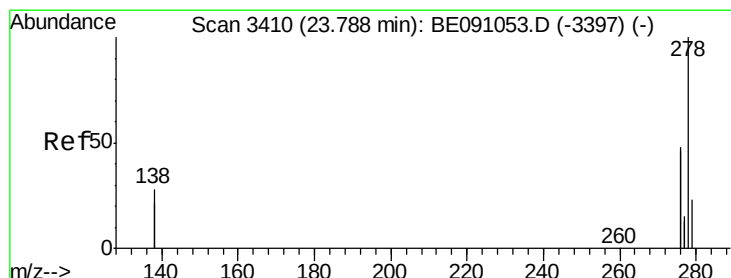
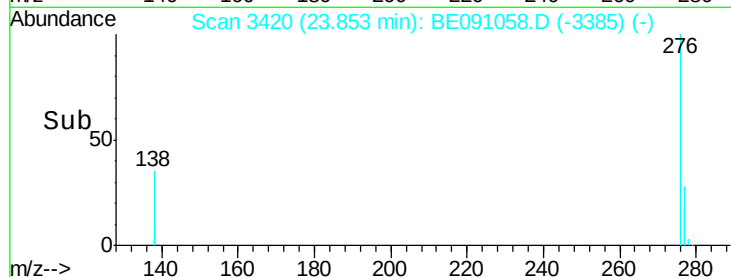
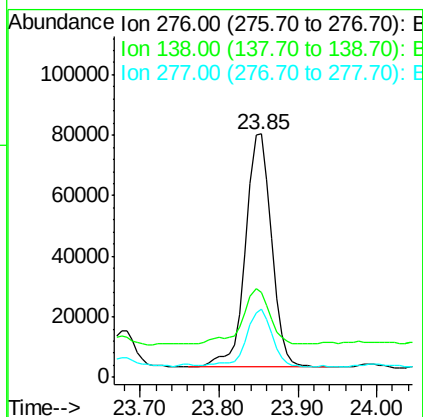
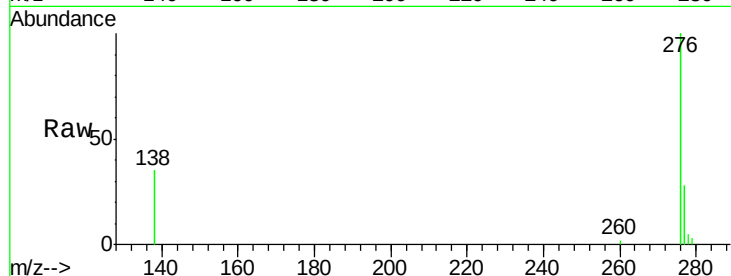




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.32 ng/ul
 RT: 23.85 min Scan# 3420
 Delta R.T. 0.03 min
 Lab File: BE091058.D
 Acq: 27 Oct 2015 20:50

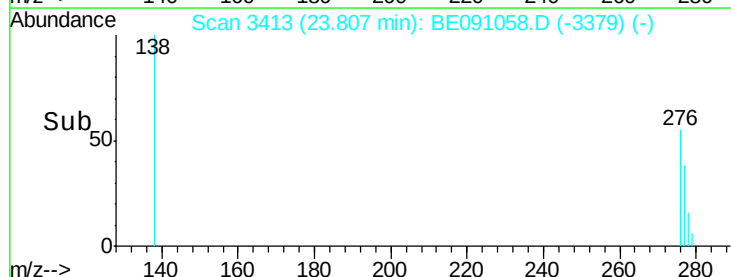
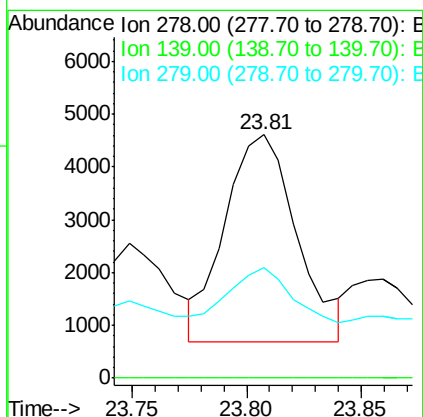
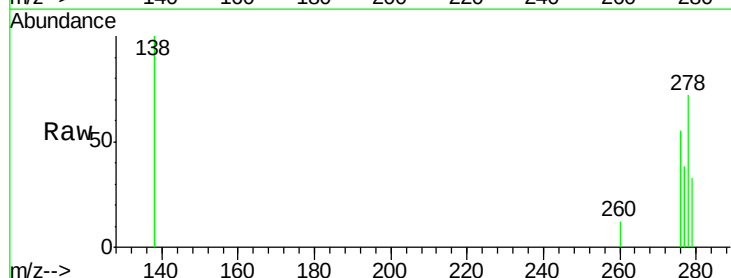
Instrument :
 BNA_E
 ClientSampleId :
 JG9J8DL

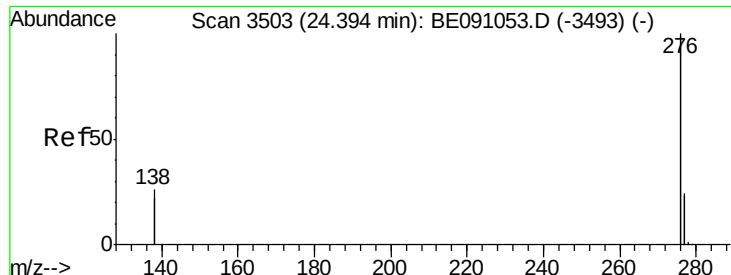
Tot Ion:276 Resp: 171992
 Ion Ratio Lower Upper
 276 100
 138 25.1 27.5 41.3#
 277 24.5 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.07 ng/ul
 RT: 23.81 min Scan# 3413
 Delta R.T. 0.02 min
 Lab File: BE091058.D
 Acq: 27 Oct 2015 20:50

Tgt Ion:278 Resp: 8617
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 45.6 21.9 32.9#





#28

Benzo(a,h,i)perylene

Concen: 0.30 ng/ul

RT: 24.42 min Scan# 3507

Delta R.T. 0.03 min

Lab File: BE091058.D

Acq: 27 Oct 2015 20:50

Instrument :

BNA_E

ClientSampleId :

JG9J8DL

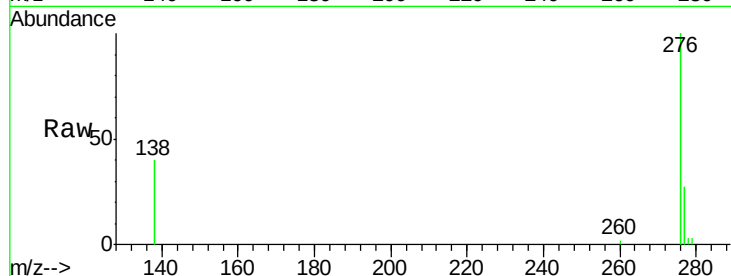
Tot Ion:276 Resp: 170598

Ion Ratio Lower Upper

276 100

277 27.2 21.3 31.9

138 39.7 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

