

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091300.D
 Acq On : 23 Nov 2015 15:20
 Operator : UM/NP
 Sample : G4345-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J48DL

Quant Time: Nov 24 00:39:53 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 : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2154	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.57	136	10688	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	5679	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	16030	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	21061	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	20270	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.99	96	1305	0.84	ng/uL	0.04
6) 2-Methylnaphthalene-d10	11.08	152	261	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	725	0.02	ng/ul	0.00

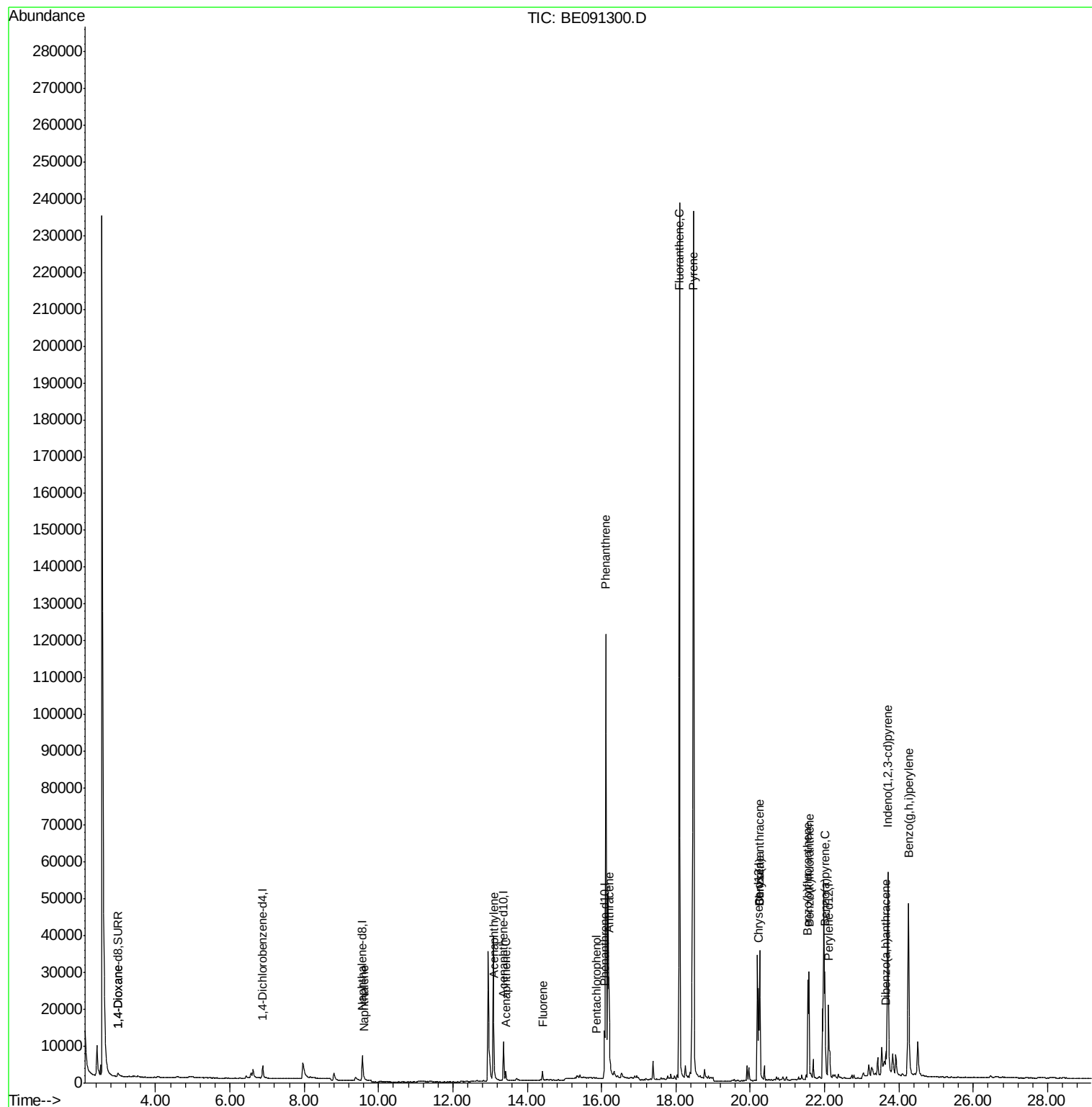
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	158	0.09	ng/ul#	24
5) Naphthalene	9.61	128	917	0.03	ng/ul#	72
9) Acenaphthylene	13.11	152	1645	0.06	ng/ul#	89
10) Acenaphthene	13.42	153	1437	0.07	ng/ul#	85
11) Fluorene	14.41	166	1793	0.07	ng/ul#	86
13) Pentachlorophenol	15.86	266	67	0.04	ng/ul#	83
14) Phenanthrene	16.11	178	142917	0.77	ng/ul	99
15) Anthracene	16.20	178	29061	0.17	ng/ul	97
17) Fluoranthene	18.09	202	270298	1.25	ng/ul	88
19) Pyrene	18.47	202	255849	1.07	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	34119	0.63	ng/ul	96
21) Chrysene	20.26	228	34620	0.56	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	27396	0.43	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	26720	0.41	ng/ul	97
25) Benzo(a)pyrene	22.01	252	30456	0.52	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	73009	0.30	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.65	278	5630	0.10	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	78130	0.30	ng/ul	95

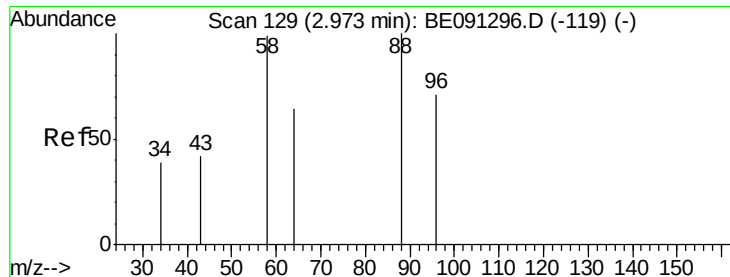
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 00:31:29 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.09 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. 0.02 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

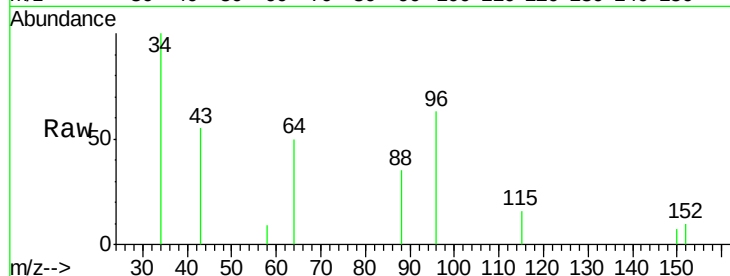
Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

43 0.0 24.2 36.2#

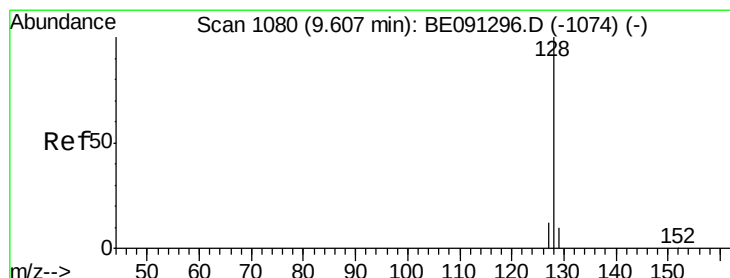
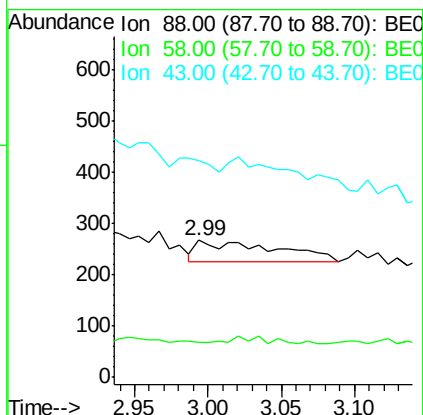
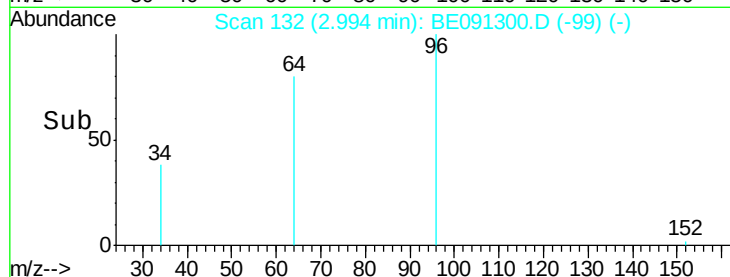


Abundance Ion 88.00 (87.70 to 88.70): BE091296.D (-119) (-)

Ion 58.00 (57.70 to 58.70): BE091296.D (-119) (-)

Ion 43.00 (42.70 to 43.70): BE091296.D (-119) (-)

Time-->



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

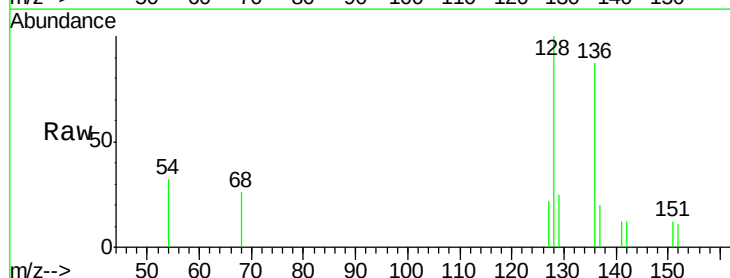
Tgt Ion: 128 Resp: 917

Ion Ratio Lower Upper

128 100

129 25.5 9.8 14.8#

127 22.2 10.7 16.1#

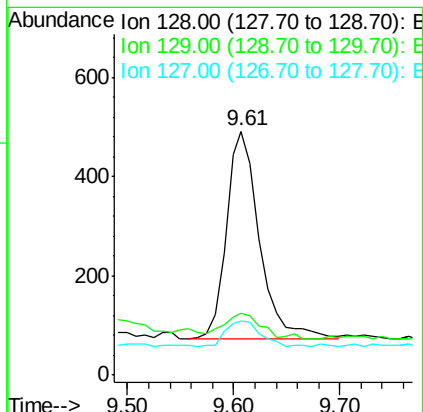
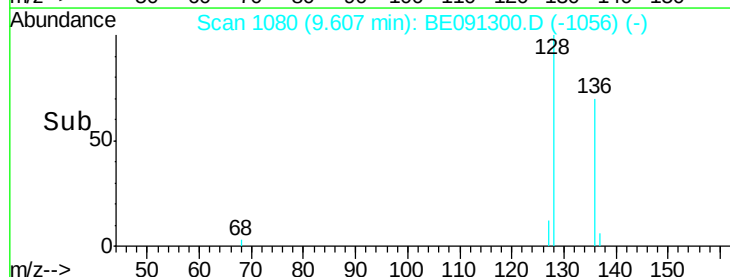


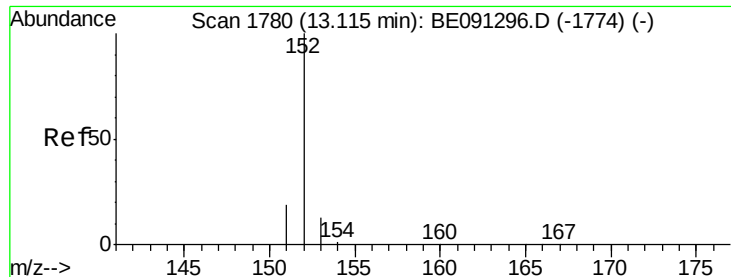
Abundance Ion 128.00 (127.70 to 128.70): BE091296.D (-1074) (-)

Ion 129.00 (128.70 to 129.70): BE091296.D (-1074) (-)

Ion 127.00 (126.70 to 127.70): BE091296.D (-1074) (-)

Time-->





#9

Acenaphthylene

Concen: 0.06 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

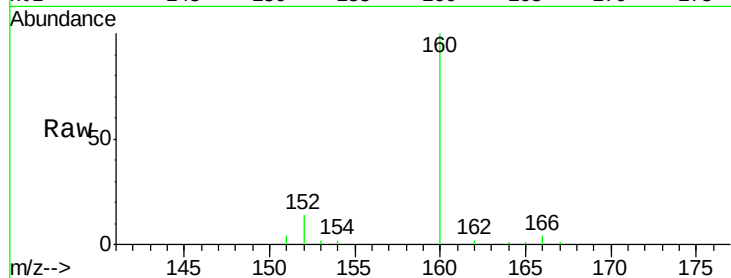
Tgt Ion:152 Resp: 1645

Ion Ratio Lower Upper

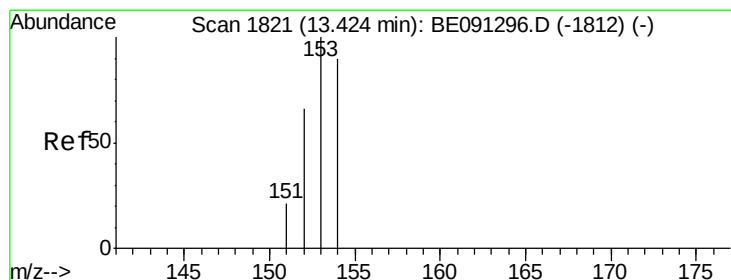
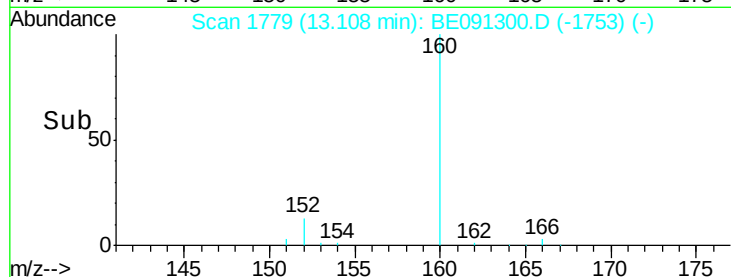
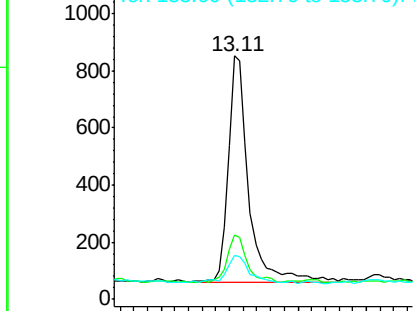
152 100

151 26.6 16.8 25.2#

153 18.1 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: 0.07 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

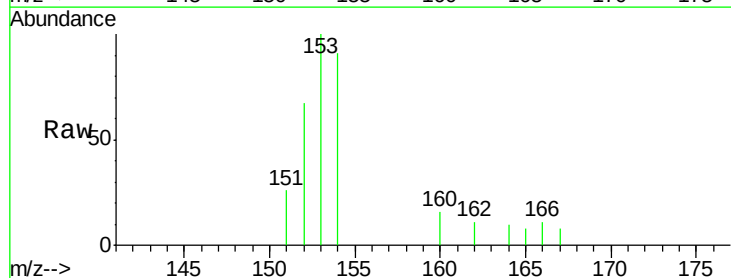
Tgt Ion:153 Resp: 1437

Ion Ratio Lower Upper

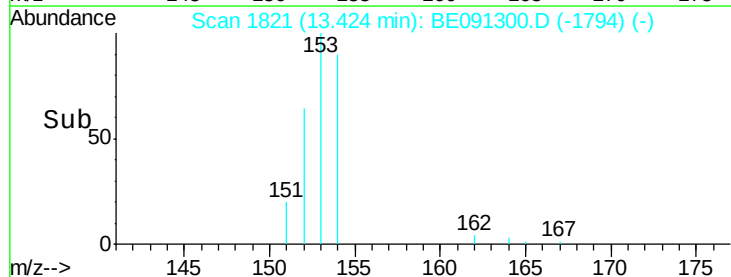
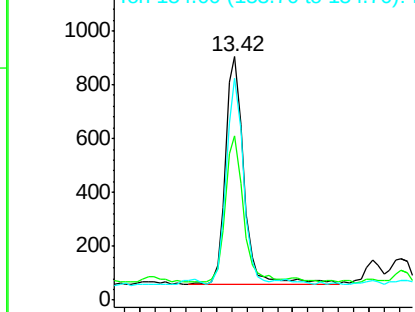
153 100

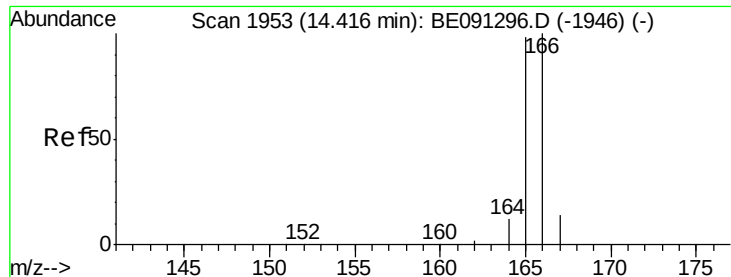
152 67.5 42.3 63.5#

154 91.3 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: 0.07 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

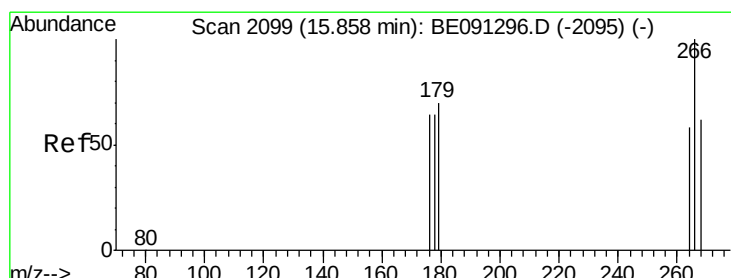
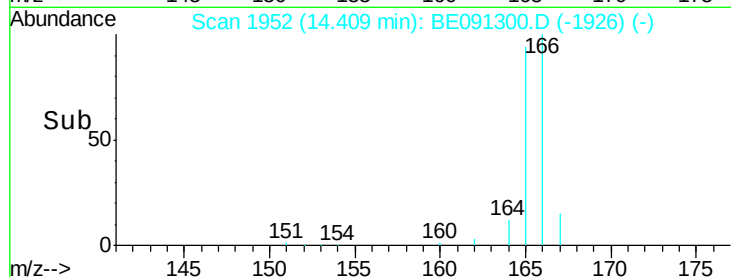
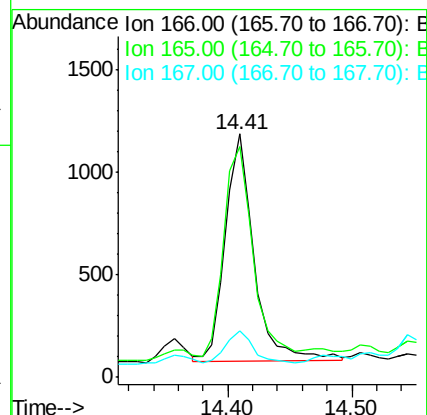
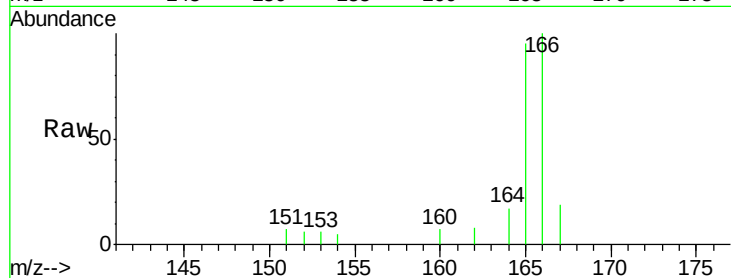
Tgt Ion:166 Resp: 1793

Ion Ratio Lower Upper

166 100

165 94.6 87.6 131.4

167 19.2 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 15.86 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

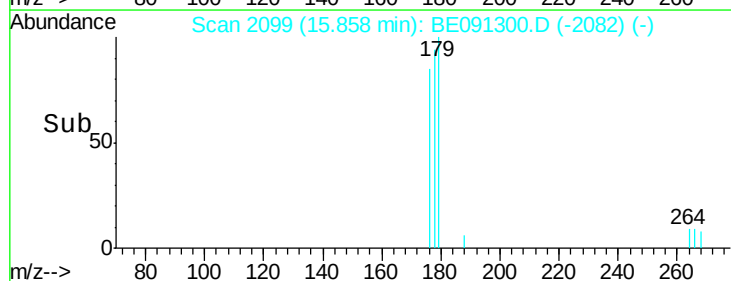
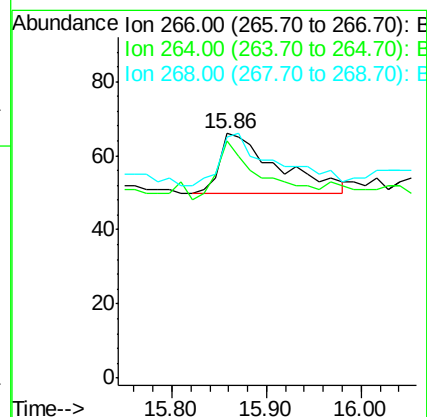
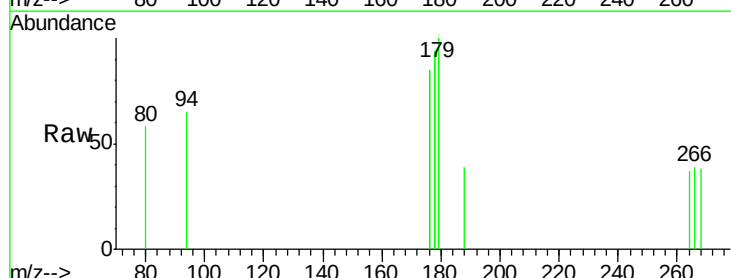
Tgt Ion:266 Resp: 67

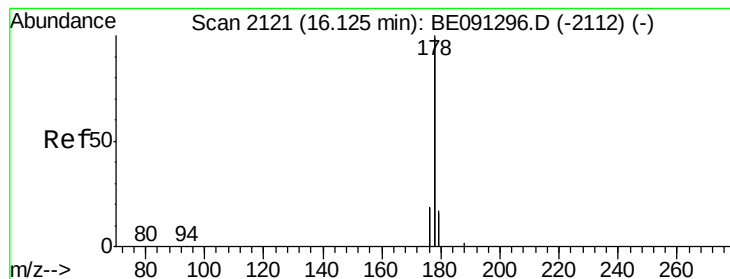
Ion Ratio Lower Upper

266 100

264 79.1 53.5 80.3

268 83.6 54.2 81.2#





#14

Phenanthrene

Concen: 0.77 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

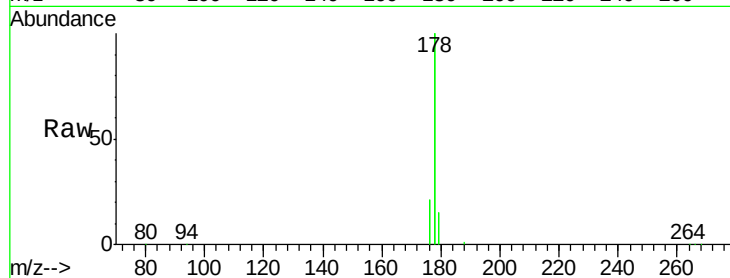
Tgt Ion:178 Resp: 142917

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

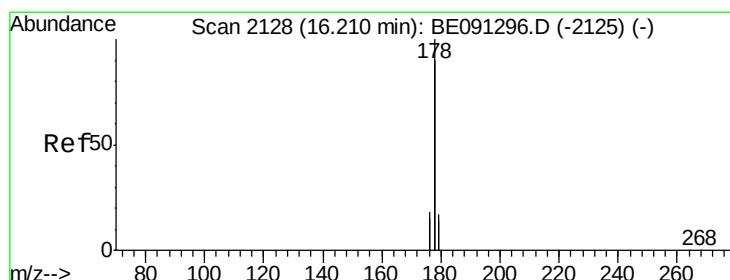
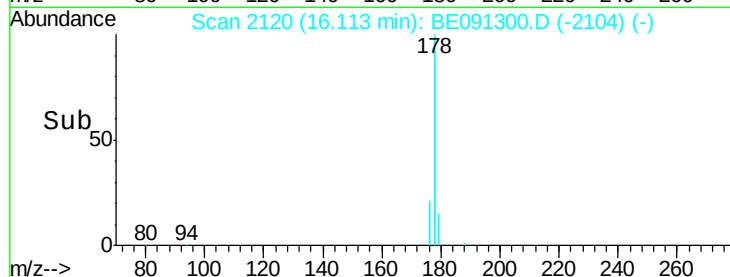
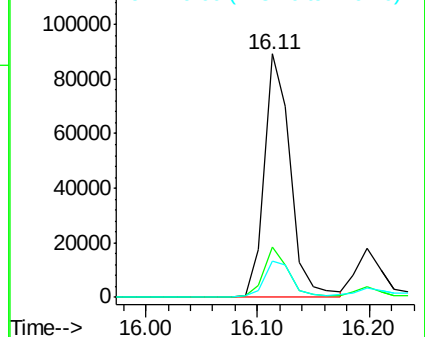
179 15.1 12.8 19.2



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: 0.17 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

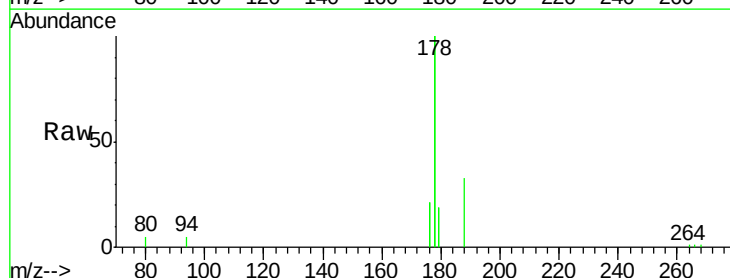
Tgt Ion:178 Resp: 29061

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

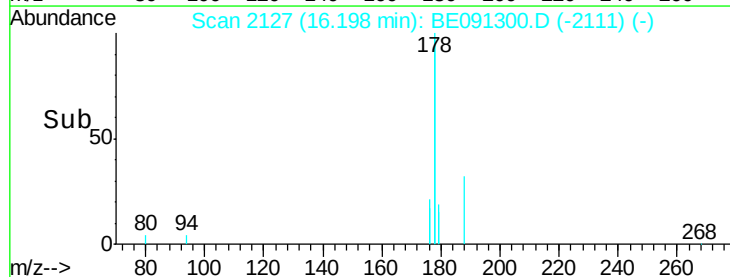
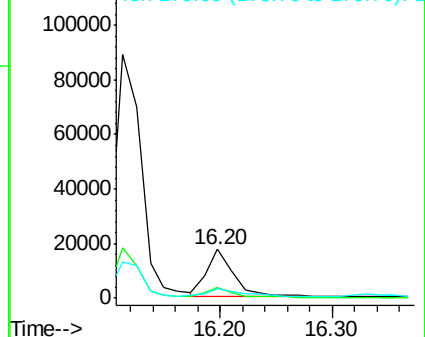
179 18.8 13.3 19.9

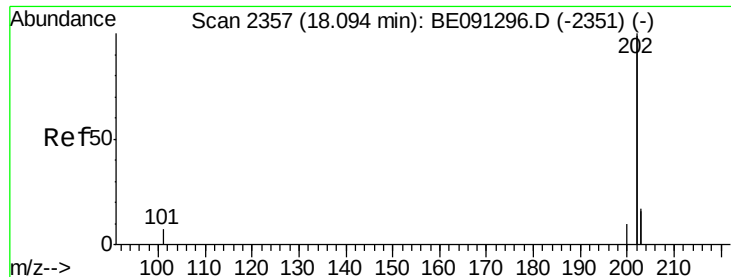


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 1.25 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

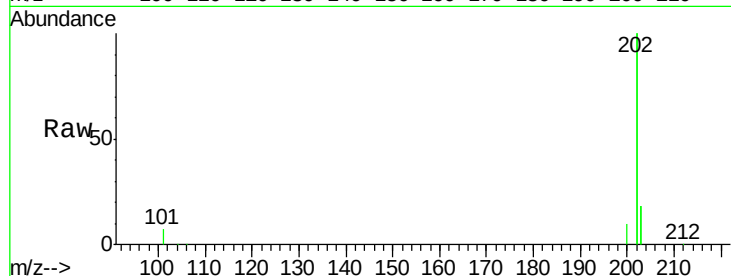
Tgt Ion:202 Resp: 270298

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

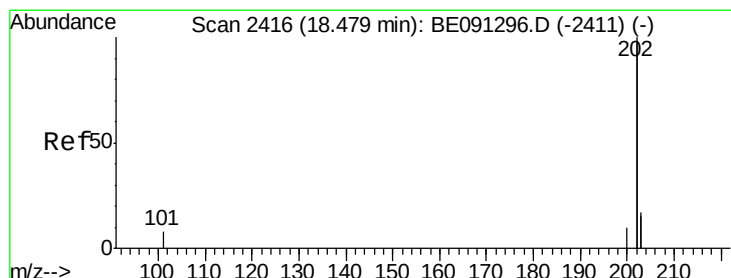
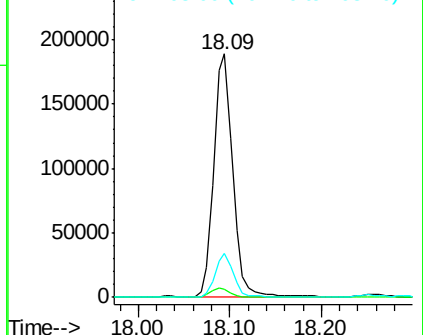
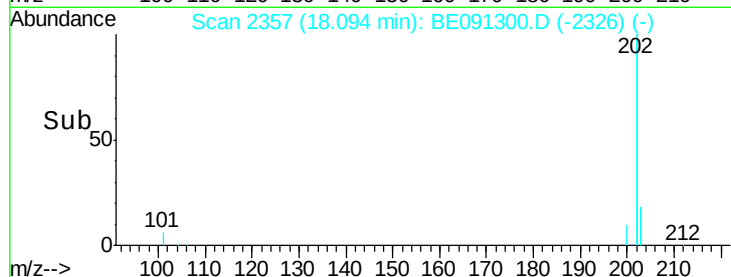
203 18.0 0.0 37.2



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: 1.07 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

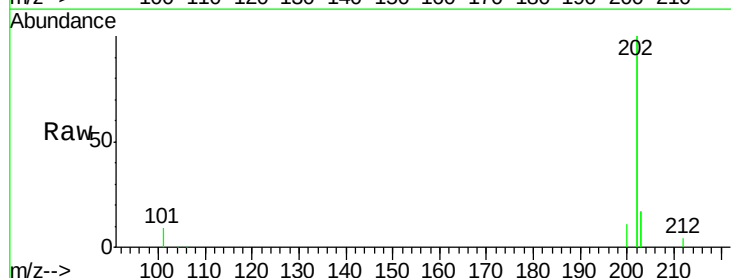
Tgt Ion:202 Resp: 255849

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

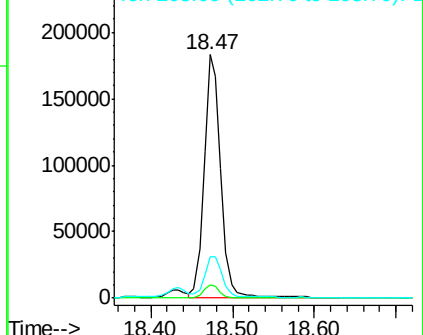
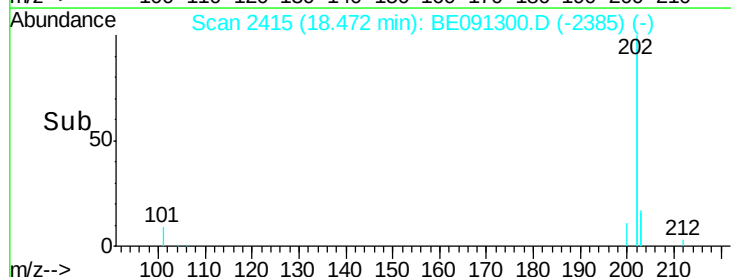
203 17.1 13.8 20.6

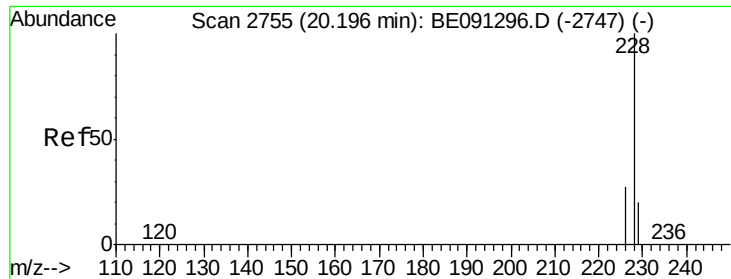


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.63 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.06 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

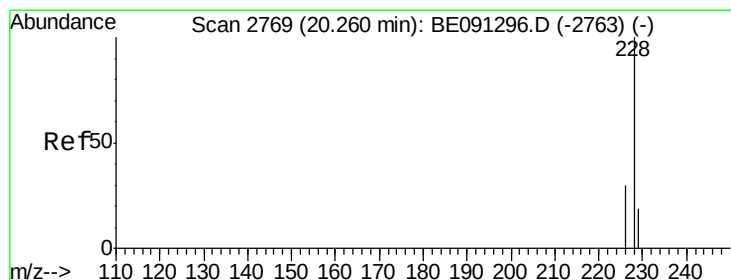
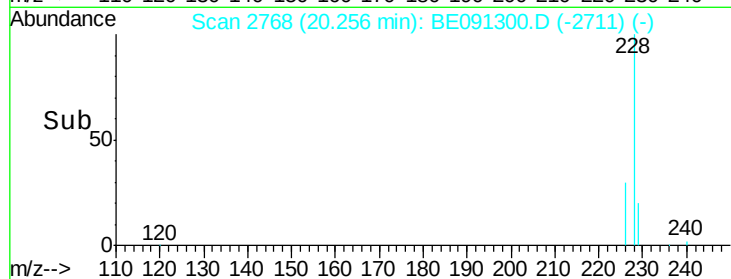
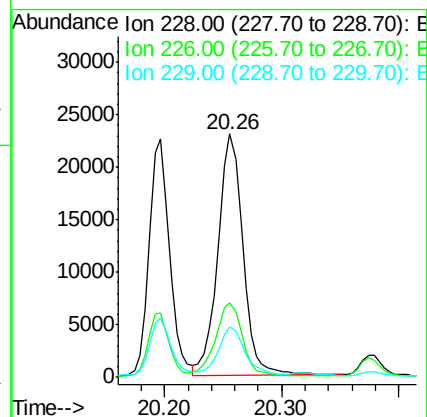
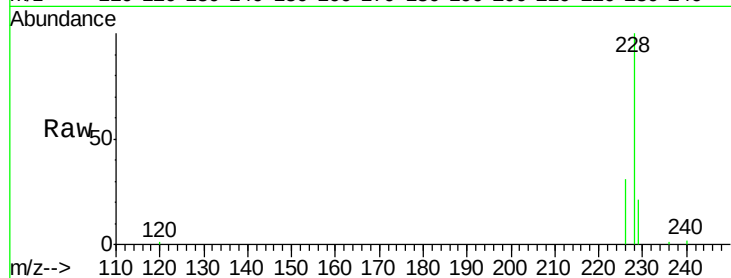
Tgt Ion:228 Resp: 34119

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

229 20.9 15.2 22.8



#21

Chrysene

Concen: 0.56 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

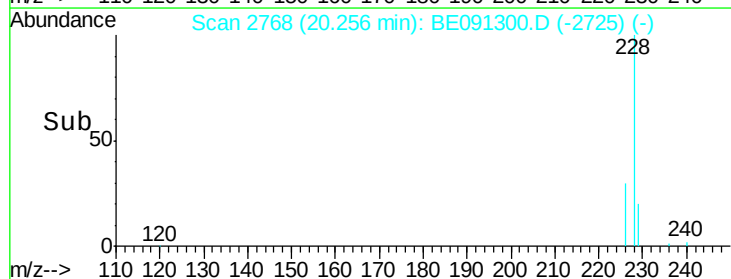
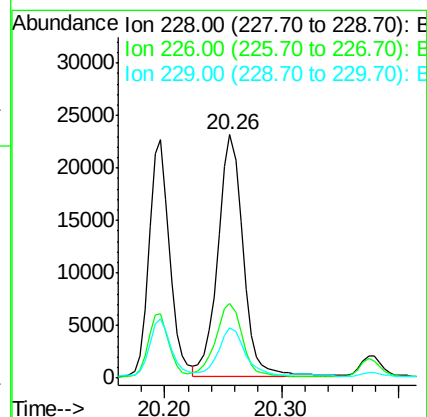
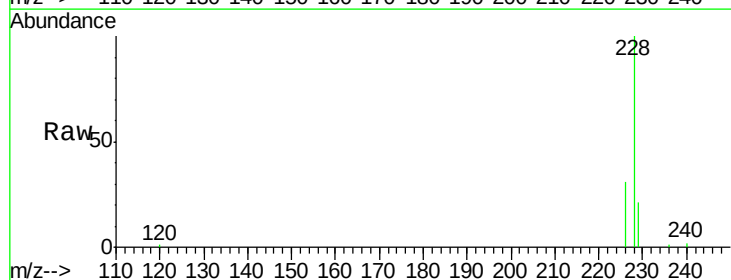
Tgt Ion:228 Resp: 34620

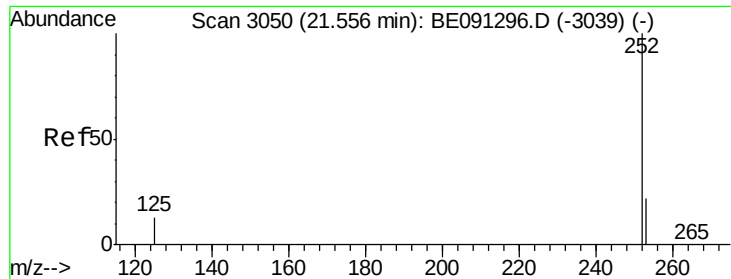
Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

229 20.9 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

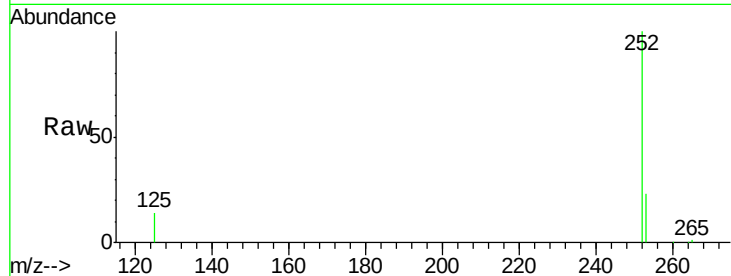
Tgt Ion:252 Resp: 27396

Ion Ratio Lower Upper

252 100

253 22.6 0.0 48.0

125 14.0 0.0 36.6

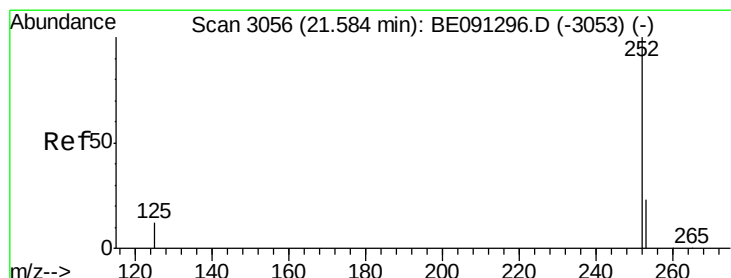
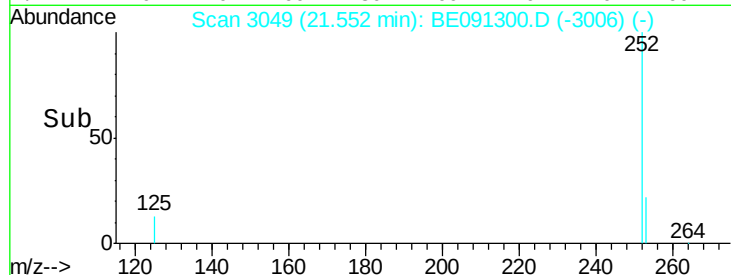
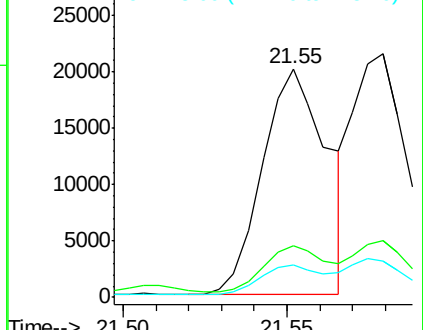


Abundance

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: 0.41 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

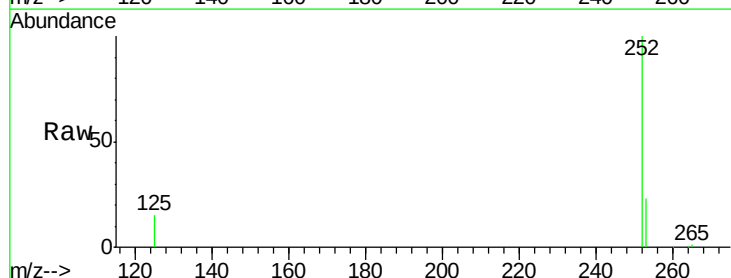
Tgt Ion:252 Resp: 26720

Ion Ratio Lower Upper

252 100

253 23.5 20.8 31.2

125 15.0 12.2 18.4

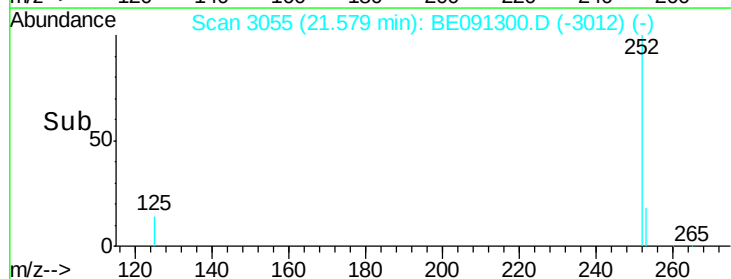
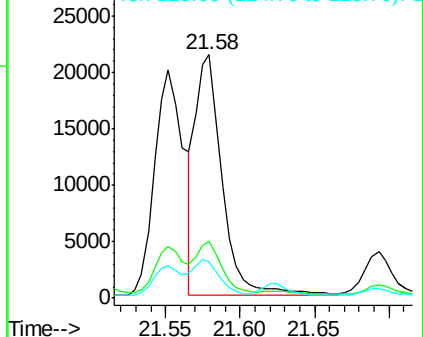


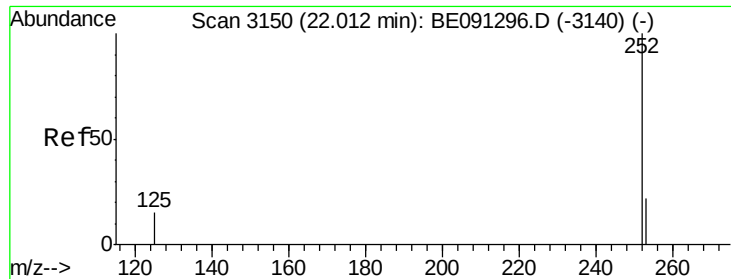
Abundance

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: 0.52 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

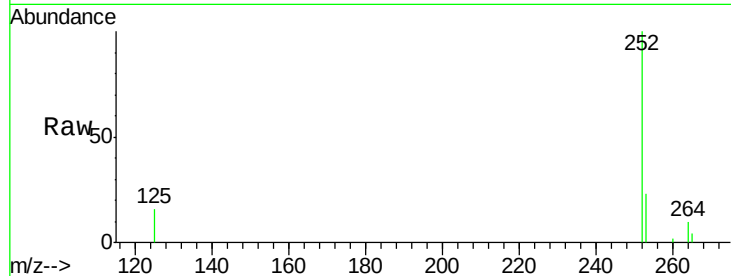
Tgt Ion:252 Resp: 30456

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

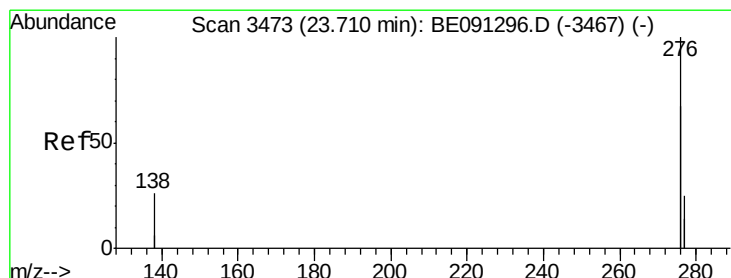
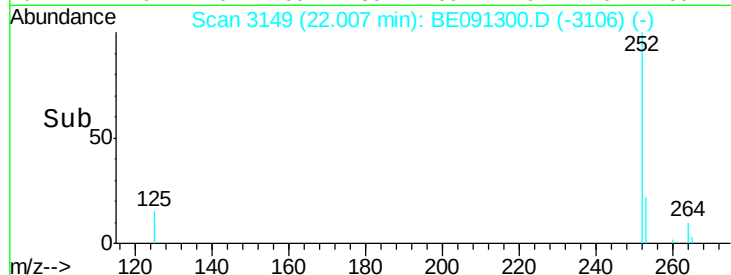
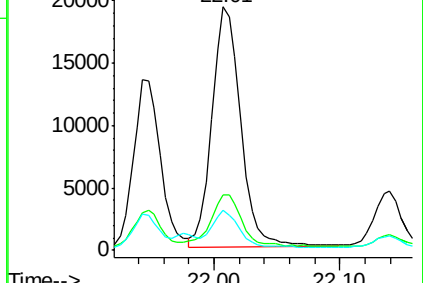
125 16.4 14.5 21.7



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: 0.30 ng/ul

RT: 23.70 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

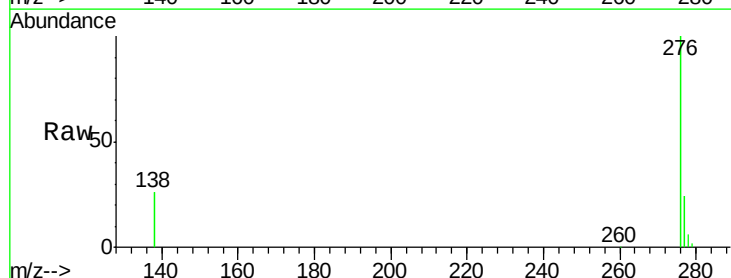
Tgt Ion:276 Resp: 73009

Ion Ratio Lower Upper

276 100

138 25.0 27.5 41.3#

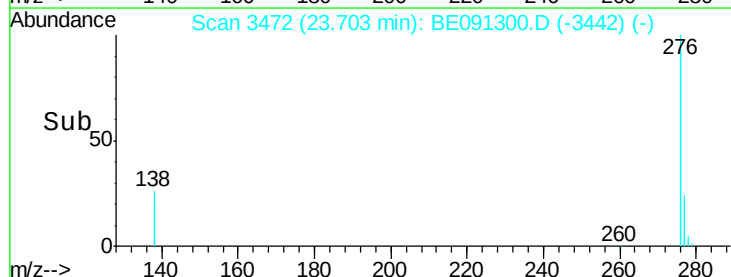
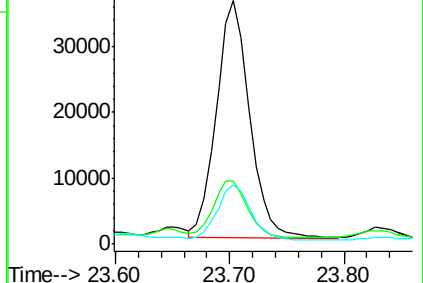
277 23.5 19.3 28.9

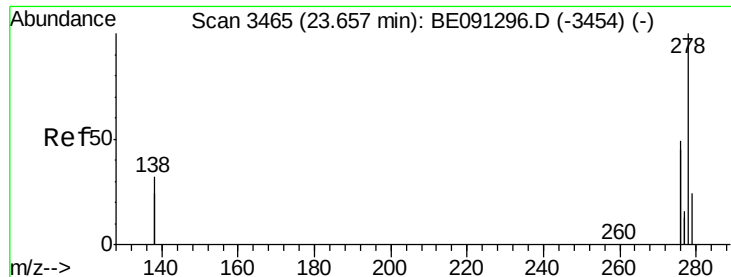


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 23.65 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

Instrument :

BNA_E

ClientSampleId :

A4J48DL

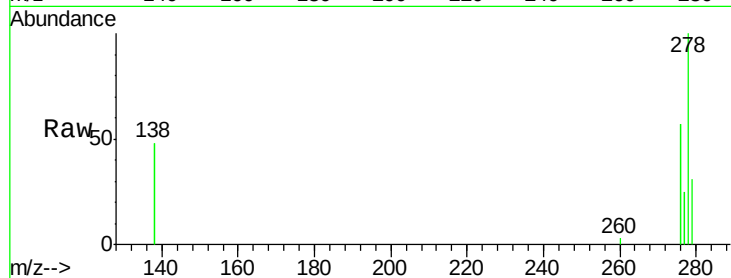
Tgt Ion:278 Resp: 5630

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

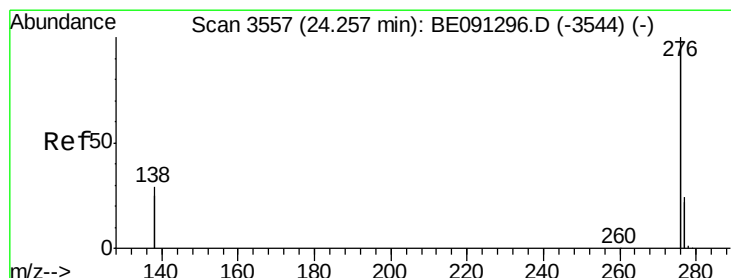
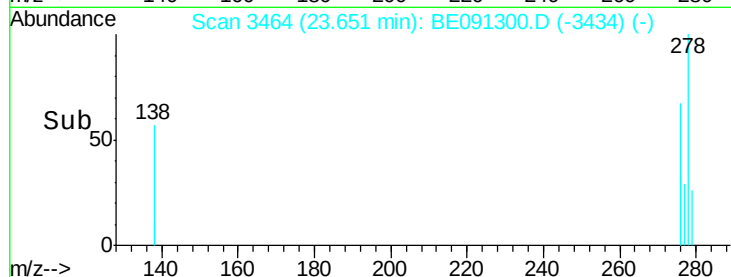
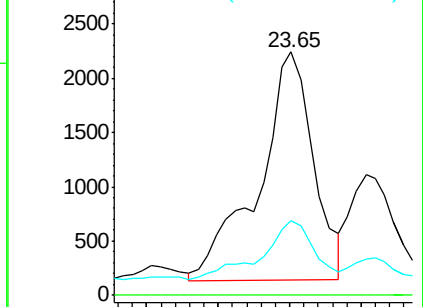
279 30.6 21.9 32.9



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: 0.30 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE091300.D

Acq: 23 Nov 2015 15:20

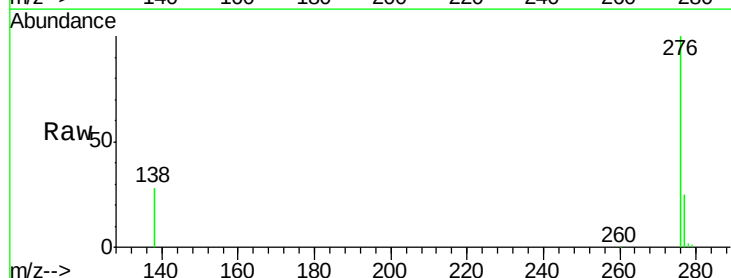
Tgt Ion:276 Resp: 78130

Ion Ratio Lower Upper

276 100

277 24.8 21.3 31.9

138 28.0 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

