

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112415\
 Data File : BE091319.D
 Acq On : 24 Nov 2015 11:17
 Operator : UM/NP
 Sample : G4345-06RXDL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J48RXDL

Quant Time: Nov 24 12:00:01 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 02:51:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2043	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9491	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	4633	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13439	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	15776	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	13844	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	1242	0.85	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	241	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.06	212	675	0.02	ng/ul	0.00

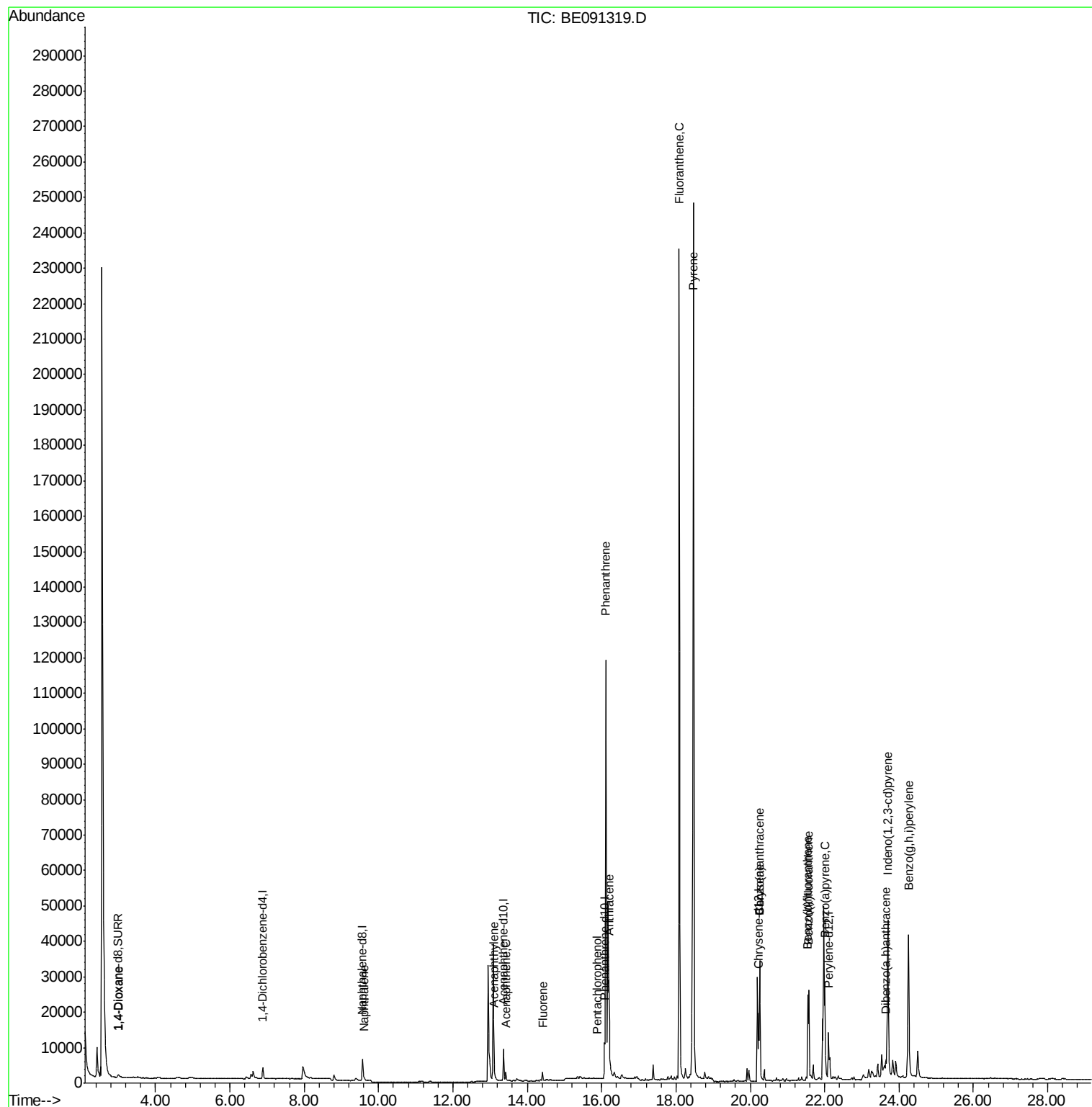
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.01	88	65	0.04	ng/ul#	42
5) Naphthalene	9.61	128	910	0.04	ng/ul#	75
9) Acenaphthylene	13.12	152	1583	0.07	ng/ul#	93
10) Acenaphthene	13.42	153	1295	0.08	ng/ul#	83
11) Fluorene	14.41	166	1805	0.09	ng/ul#	93
13) Pentachlorophenol	15.88	266	60	0.05	ng/ul	96
14) Phenanthrene	16.11	178	141556	0.91	ng/ul	97
15) Anthracene	16.20	178	30413	0.22	ng/ul	97
17) Fluoranthene	18.09	202	264472	1.46	ng/ul	90
19) Pyrene	18.47	202	254586	1.42	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	31645	0.78	ng/ul	95
21) Chrysene	20.26	228	32479	0.70	ng/ul	99
23) Benzo(b)fluoranthene	21.55	252	24891	0.58	ng/ul	95
24) Benzo(k)fluoranthene	21.57	252	23974	0.54	ng/ul	95
25) Benzo(a)pyrene	22.01	252	27605	0.69	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.70	276	60807	0.36	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.65	278	4485	0.11	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	68357	0.39	ng/ul	95

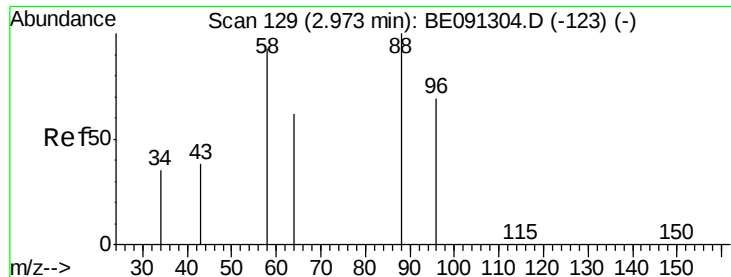
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.01 min Scan# 134

Delta R.T. 0.03 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

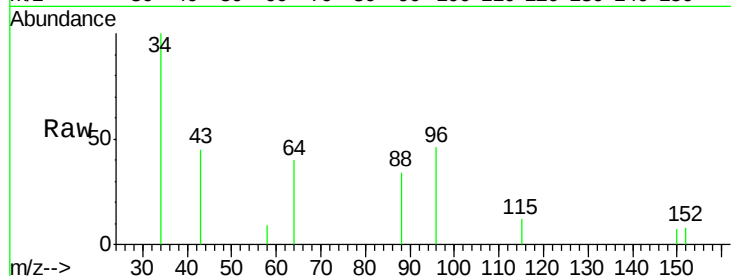
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

58 21.5 55.4 83.2#

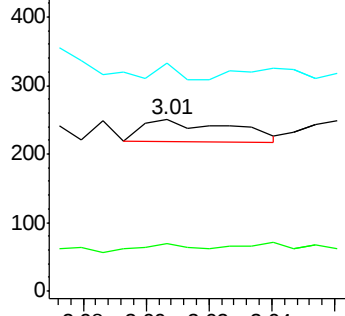
43 0.0 24.2 36.2#



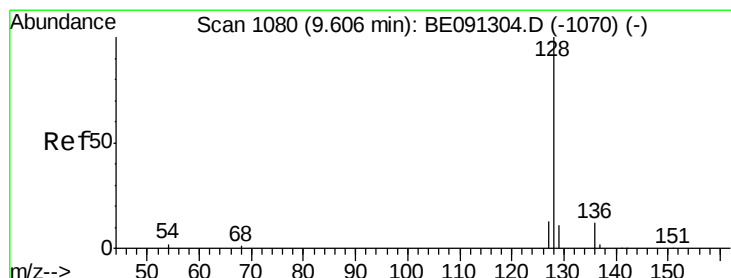
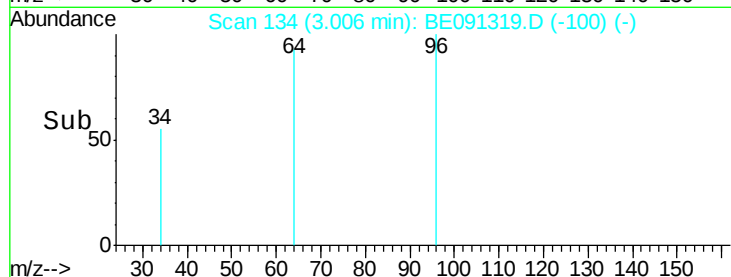
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#5

Naphthalene

Concen: 0.04 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

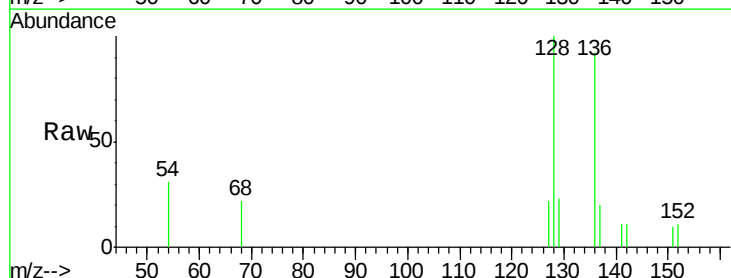
Tgt Ion: 128 Resp: 910

Ion Ratio Lower Upper

128 100

129 23.4 9.8 14.8#

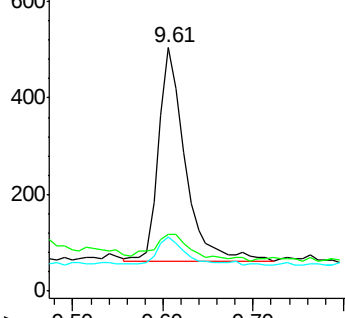
127 22.2 10.7 16.1#



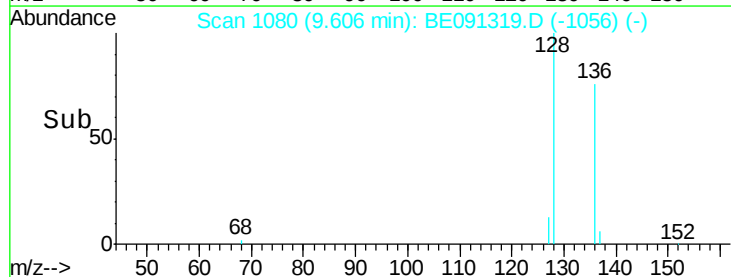
Abundance Ion 128.00 (127.70 to 128.70): E

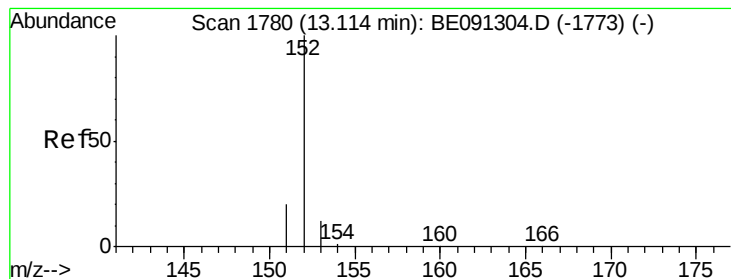
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampled :

A4J48RXDL

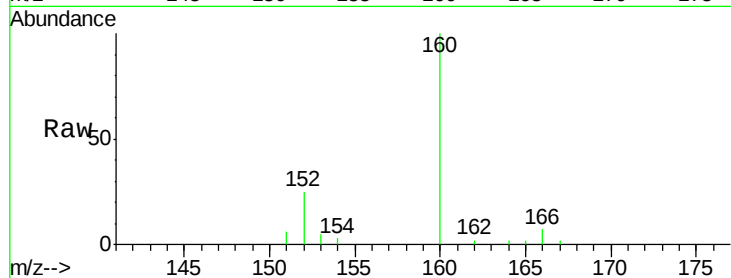
Tgt Ion:152 Resp: 1583

Ion Ratio Lower Upper

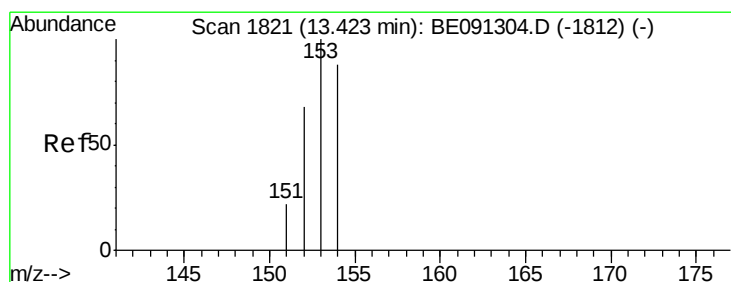
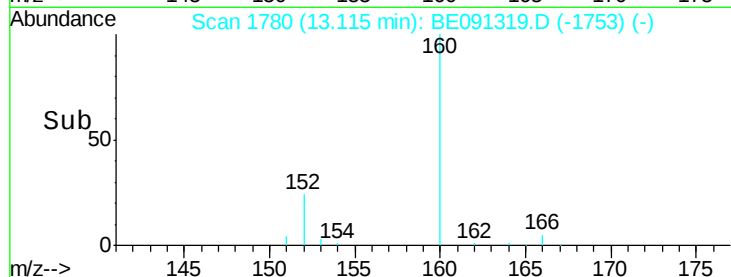
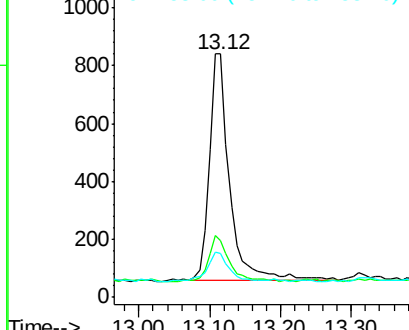
152 100

151 23.5 16.8 25.2

153 18.3 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: 0.08 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

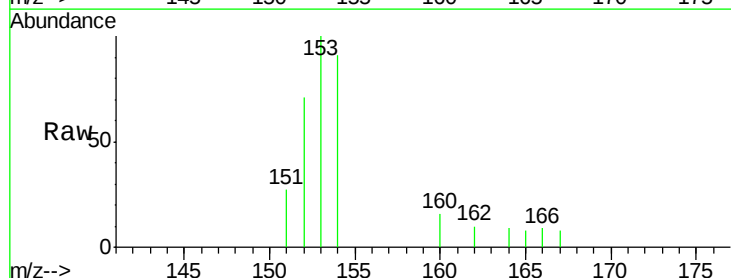
Tgt Ion:153 Resp: 1295

Ion Ratio Lower Upper

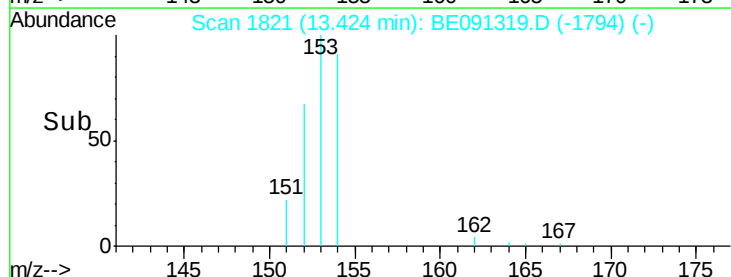
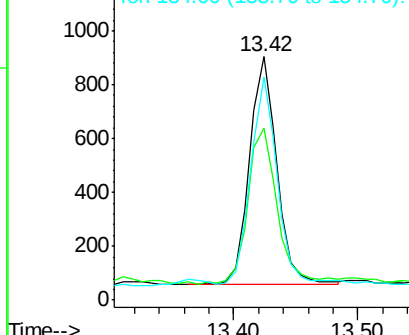
153 100

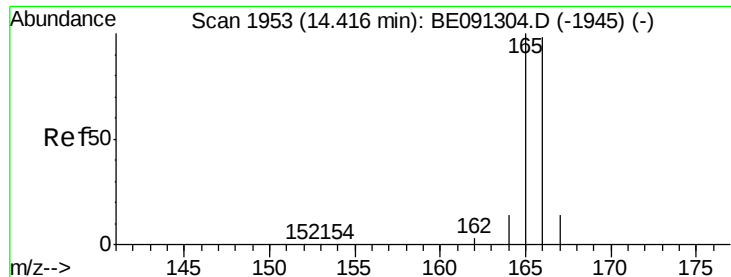
152 70.9 42.3 63.5#

154 91.5 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: 0.09 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

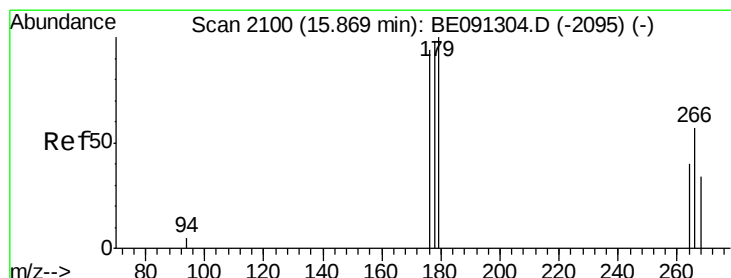
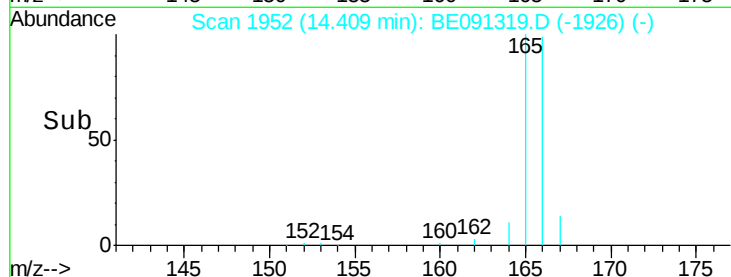
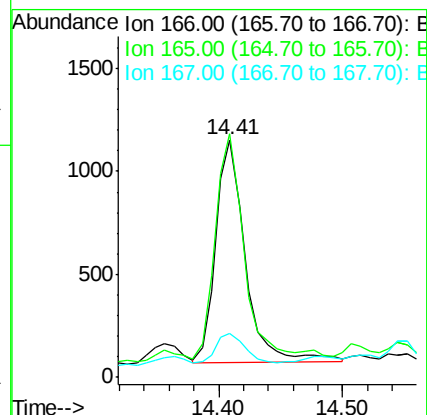
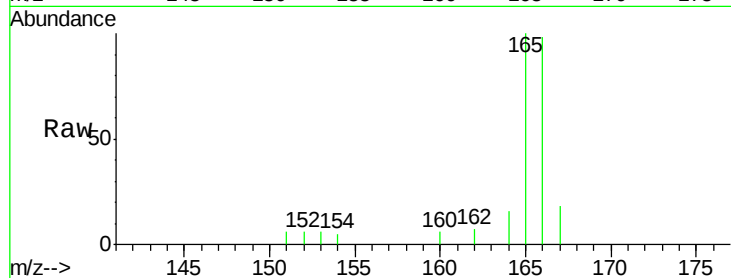
Tgt Ion:166 Resp: 1805

Ion Ratio Lower Upper

166 100

165 102.4 87.6 131.4

167 18.6 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 15.88 min Scan# 2101

Delta R.T. 0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

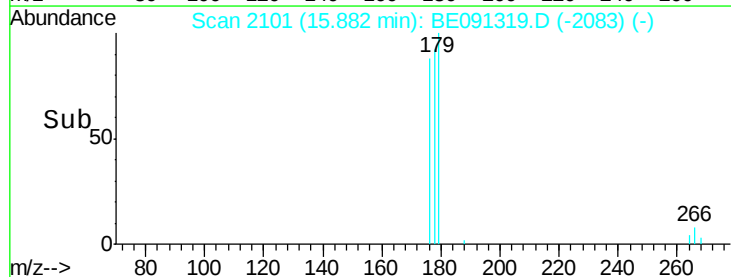
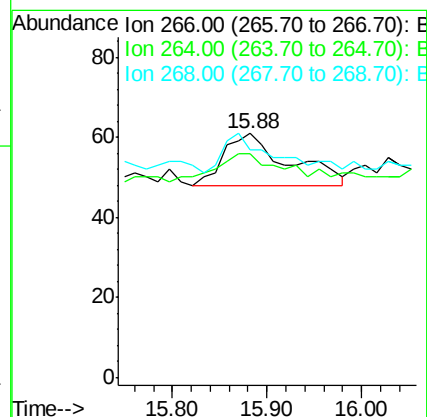
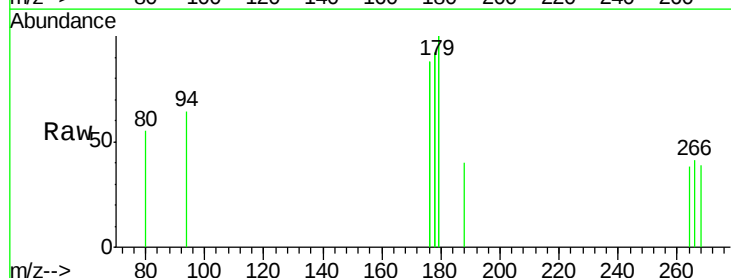
Tgt Ion:266 Resp: 60

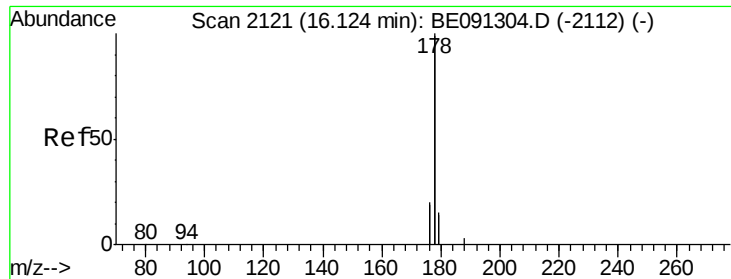
Ion Ratio Lower Upper

266 100

264 61.7 53.5 80.3

268 68.3 54.2 81.2





#14

Phenanthrene

Concen: 0.91 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

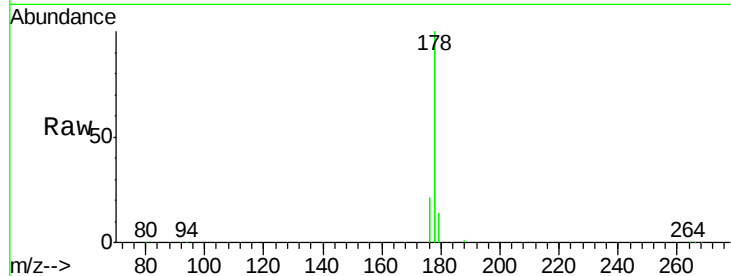
Tgt Ion:178 Resp: 141556

Ion Ratio Lower Upper

178 100

176 21.2 16.2 24.4

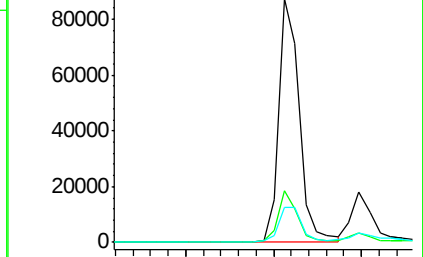
179 14.4 12.8 19.2



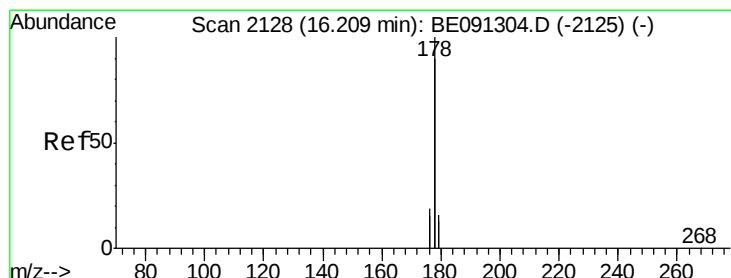
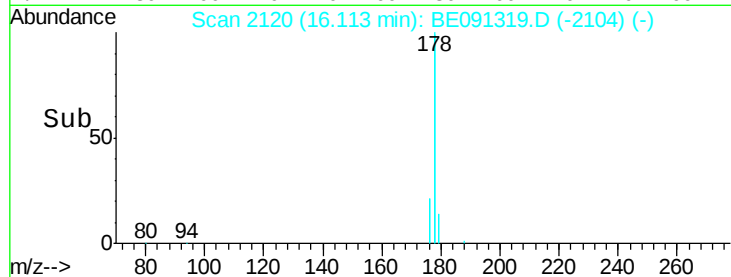
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.22 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

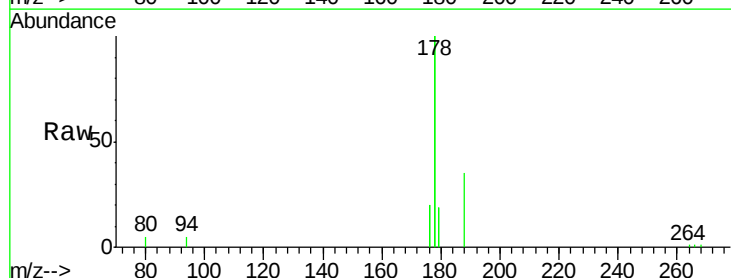
Tgt Ion:178 Resp: 30413

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

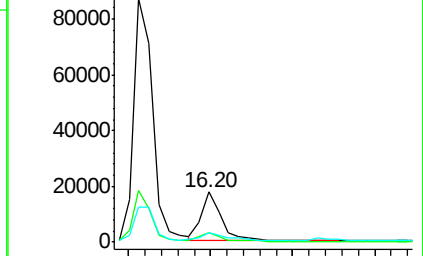
179 18.8 13.3 19.9



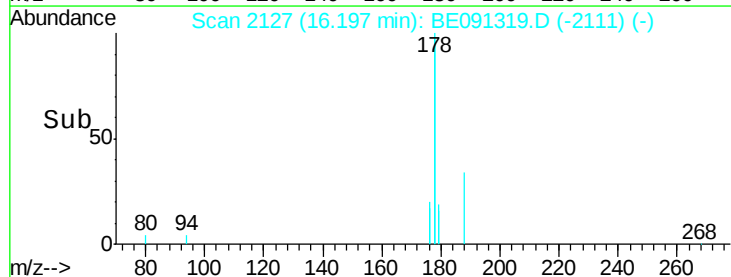
Abundance Ion 178.00 (177.70 to 178.70): E

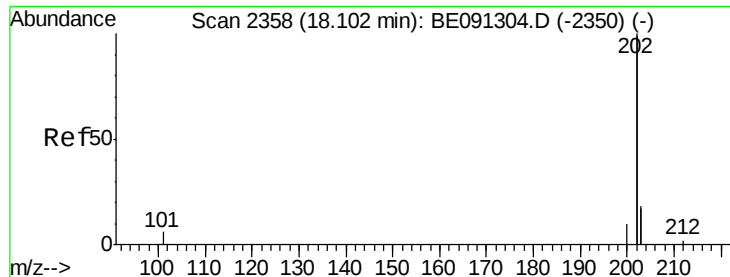
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Fluoranthene

Concen: 1.46 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

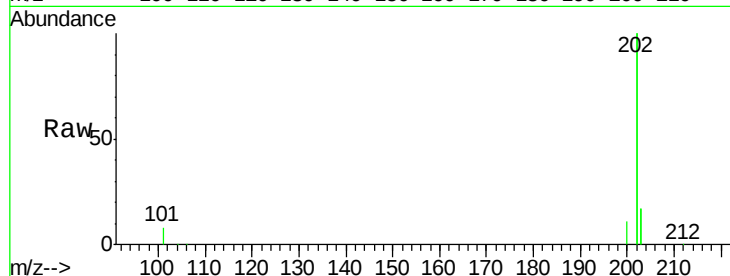
Tgt Ion:202 Resp: 264472

Ion Ratio Lower Upper

202 100

101 4.1 0.0 33.1

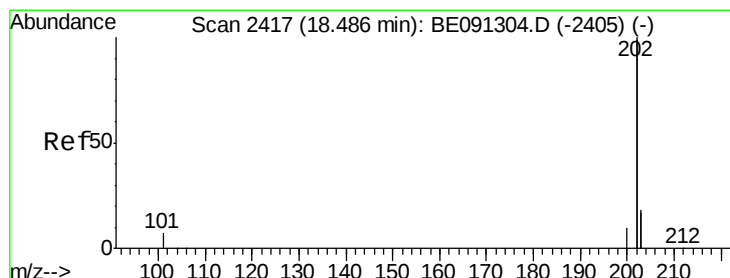
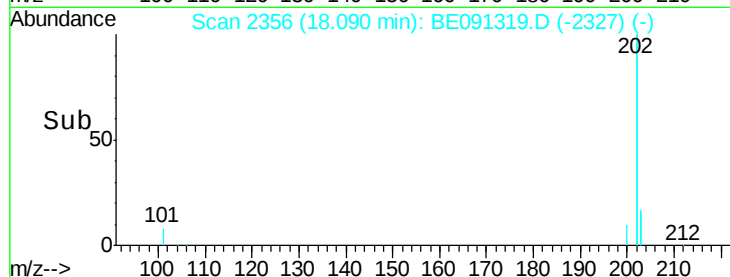
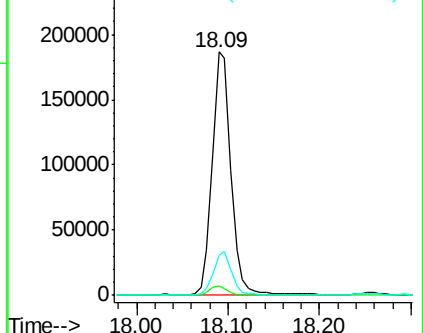
203 16.7 0.0 37.2



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: 1.42 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

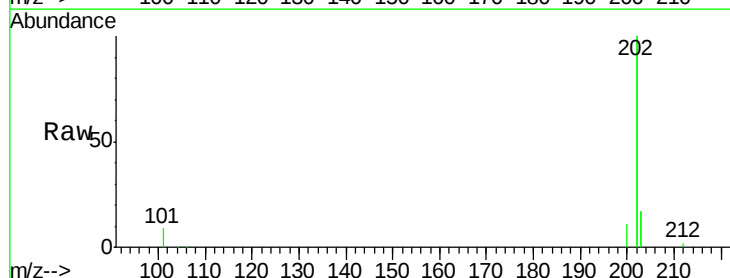
Tgt Ion:202 Resp: 254586

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

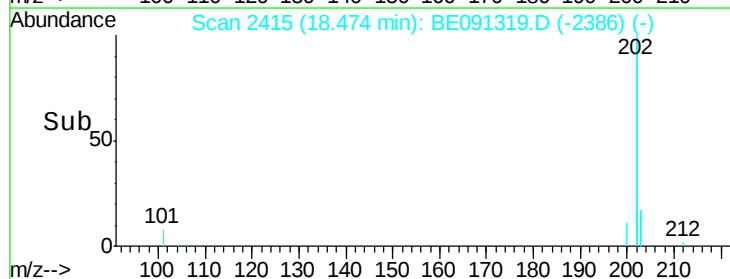
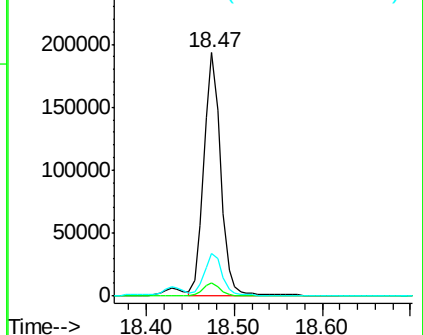
203 17.4 13.8 20.6

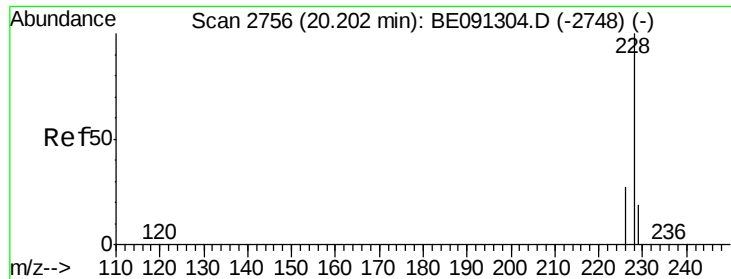


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.78 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.05 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

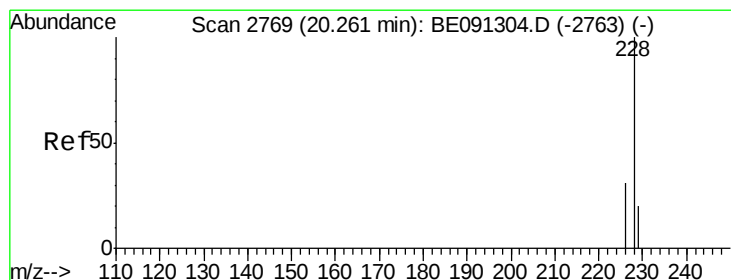
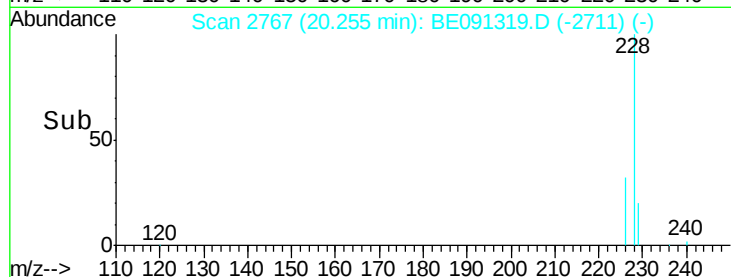
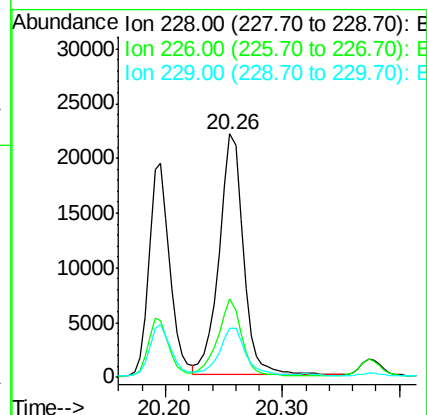
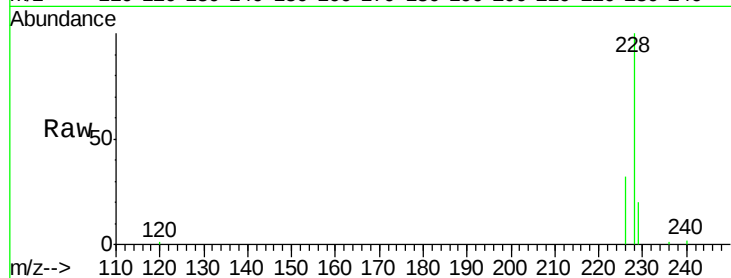
Tgt Ion:228 Resp: 31645

Ion Ratio Lower Upper

228 100

226 32.2 23.0 34.4

229 20.4 15.2 22.8



#21

Chrysene

Concen: 0.70 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

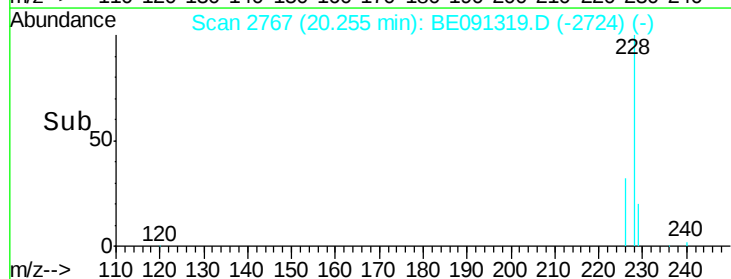
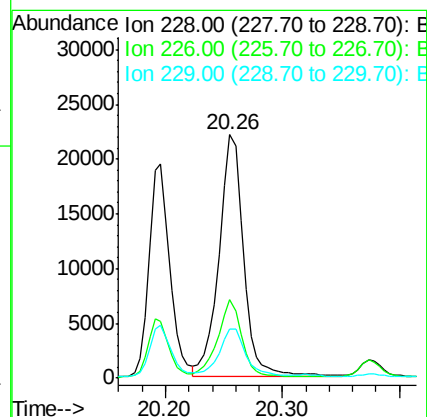
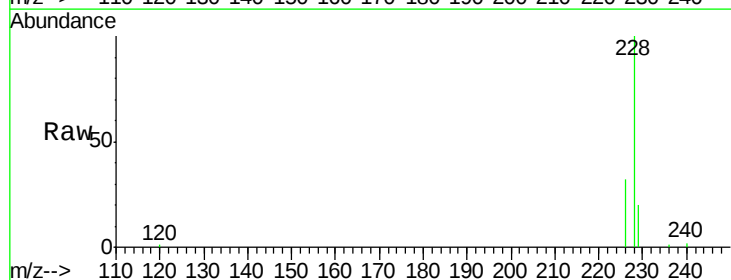
Tgt Ion:228 Resp: 32479

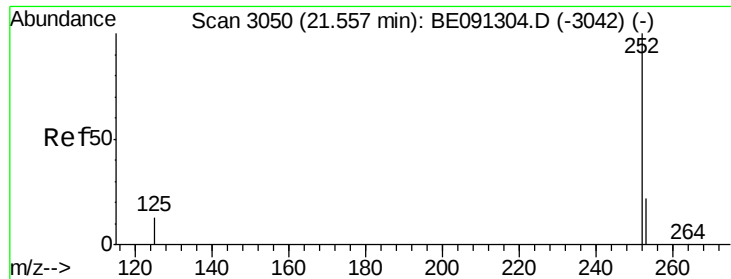
Ion Ratio Lower Upper

228 100

226 32.2 25.7 38.5

229 20.4 15.2 22.8





#23

Benzo(b)fluoranthene

Concen: 0.58 ng/u1

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

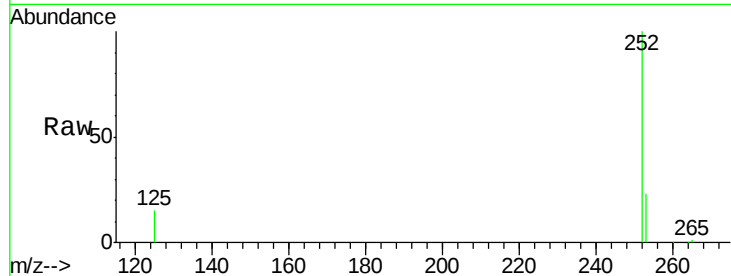
Tgt Ion:252 Resp: 24891

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

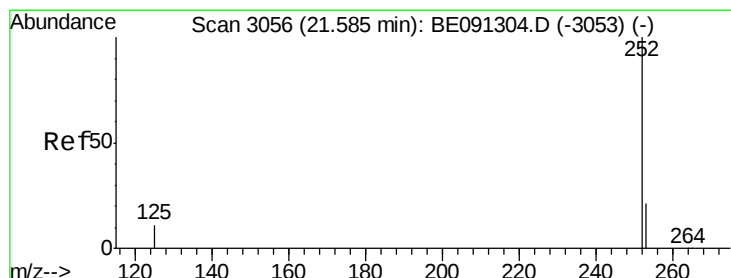
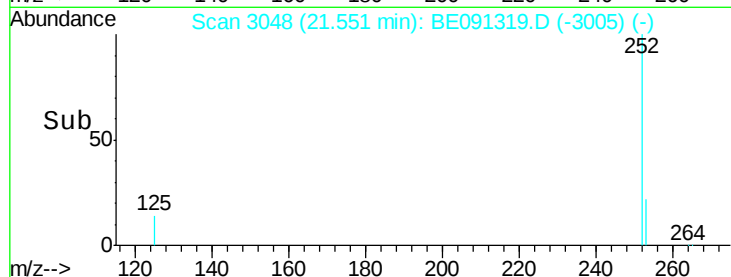
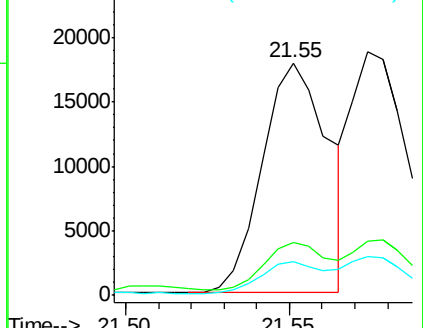
125 14.6 0.0 36.6



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: 0.54 ng/u1

RT: 21.57 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

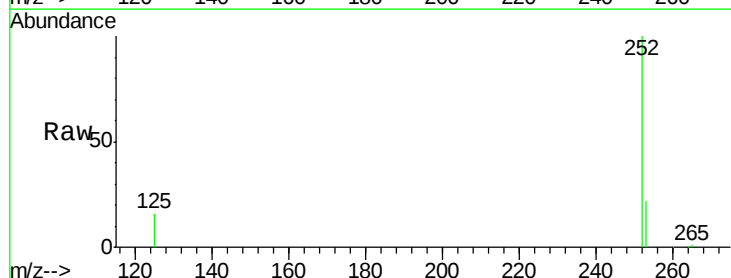
Tgt Ion:252 Resp: 23974

Ion Ratio Lower Upper

252 100

253 22.1 20.8 31.2

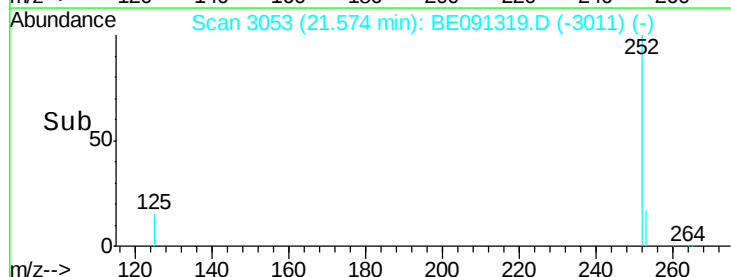
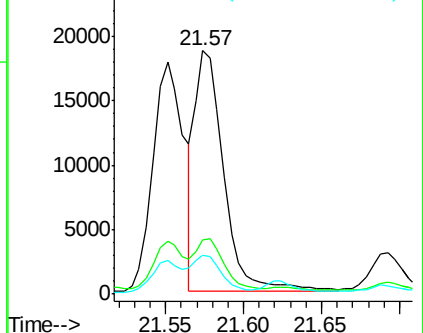
125 16.0 12.2 18.4

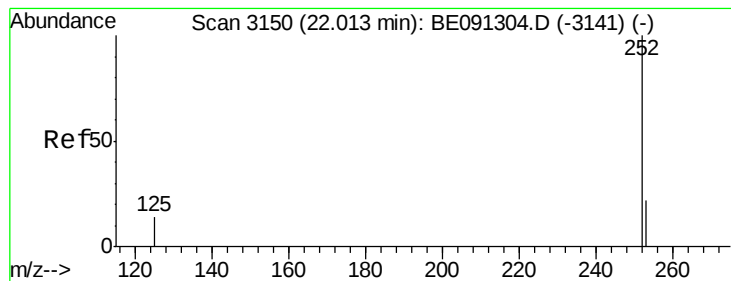


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.69 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

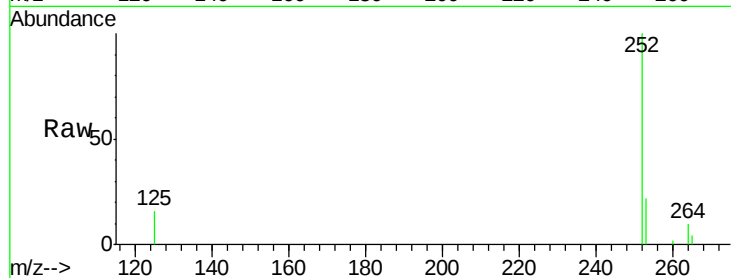
Tgt Ion:252 Resp: 27605

Ion Ratio Lower Upper

252 100

253 22.0 21.8 32.8

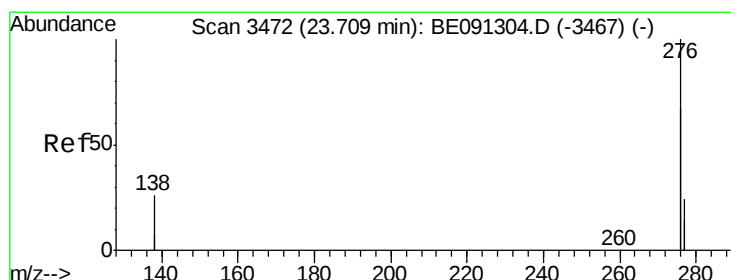
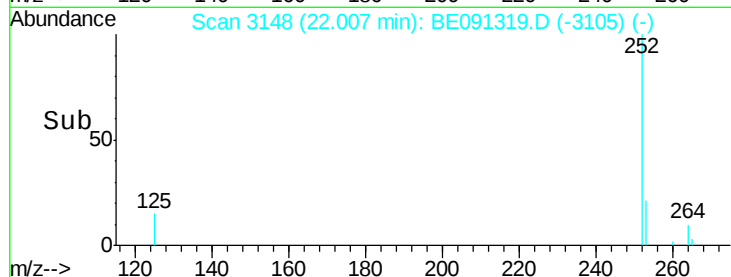
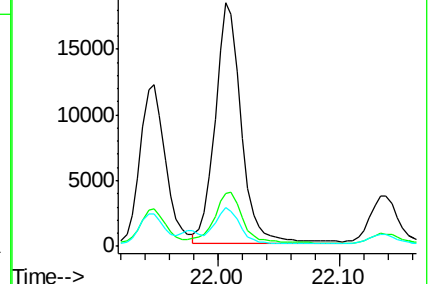
125 16.0 14.5 21.7



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: 0.36 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

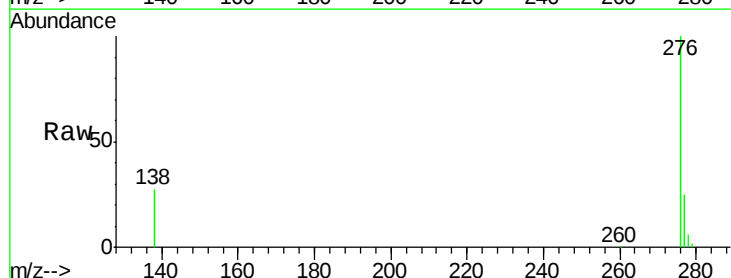
Tgt Ion:276 Resp: 60807

Ion Ratio Lower Upper

276 100

138 25.4 27.5 41.3#

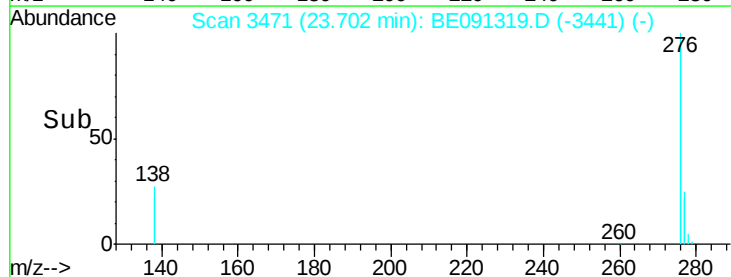
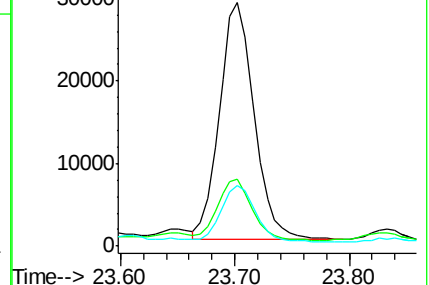
277 23.8 19.3 28.9

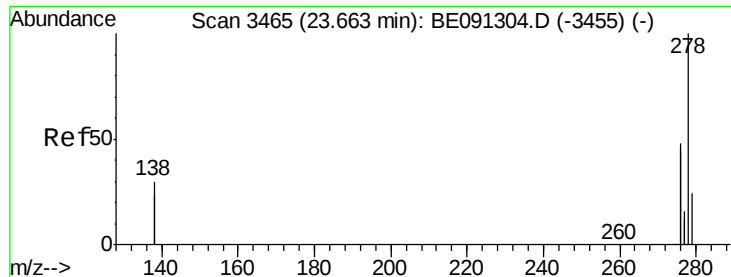


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

Instrument :

BNA_E

ClientSampleId :

A4J48RXDL

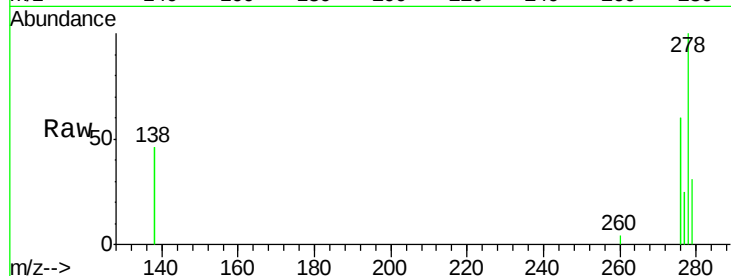
Tgt Ion:278 Resp: 4485

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

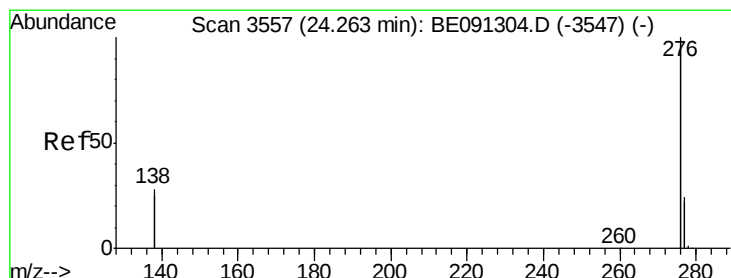
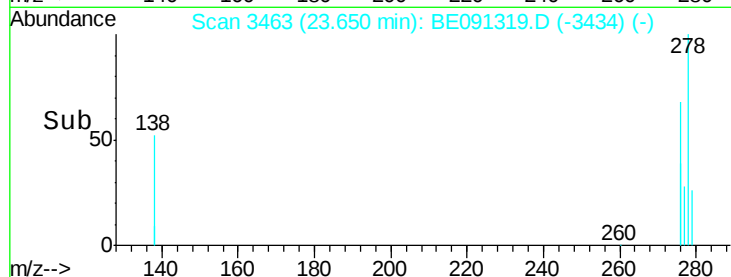
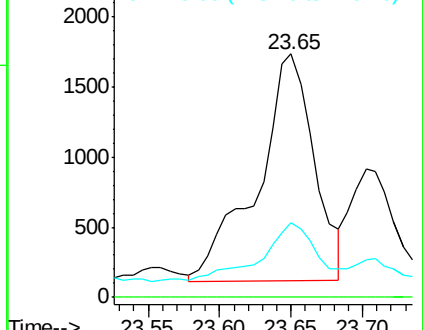
279 30.9 21.9 32.9



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: 0.39 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091319.D

Acq: 24 Nov 2015 11:17

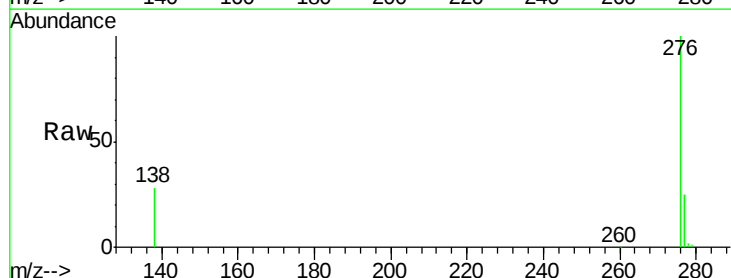
Tgt Ion:276 Resp: 68357

Ion Ratio Lower Upper

276 100

277 25.3 21.3 31.9

138 28.2 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

