

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090271.D
 Acq On : 28 Jul 2015 14:55
 Operator : TP/IZ
 Sample : SSTD1.646
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.646

Quant Time: Jul 29 04:03:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 04:02:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1009	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	4425	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2452	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5721	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	4828	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	3374	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.94	152	11580	1.74	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	26452	1.66	ng/ul	0.00

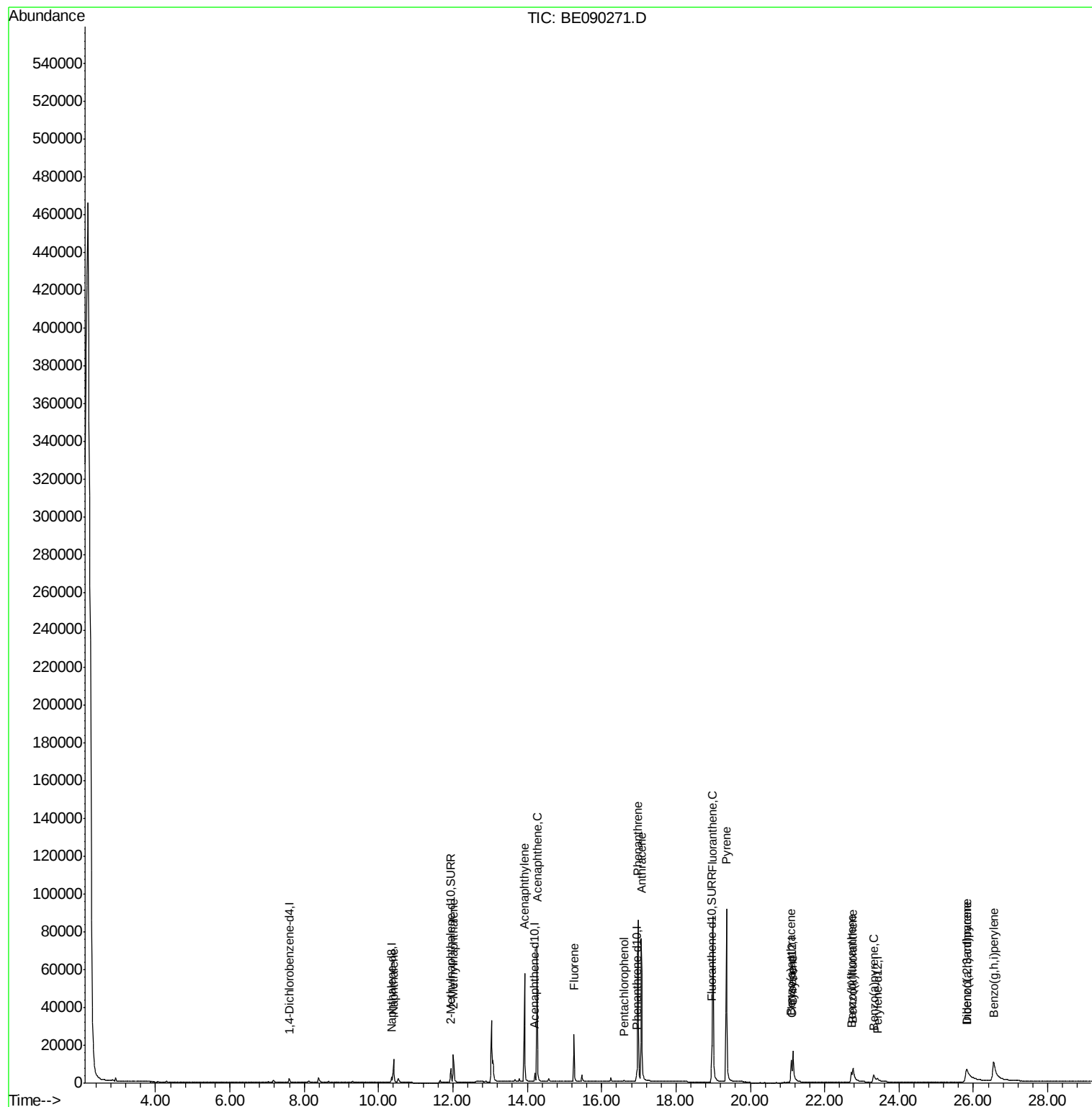
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.40	128	18546	1.58	ng/ul	96
5) 2-Methylnaphthalene	12.01	142	12751	1.71	ng/ul	99
7) Acenaphthylene	13.92	152	83611	1.62	ng/ul	98
8) Acenaphthene	14.26	153	60727	1.62	ng/ul	95
9) Fluorene	15.25	166	16568	1.65	ng/ul	99
11) Pentachlorophenol	16.60	266	677	1.45	ng/ul	90
12) Phenanthrene	16.98	178	100626	1.60	ng/ul	96
13) Anthracene	17.06	178	103388	1.65	ng/ul	97
15) Fluoranthene	18.99	202	118664	1.63	ng/ul	96
17) Pyrene	19.36	202	120785	1.46	ng/ul	99
18) Benzo(a)anthracene	21.10	228	14243	1.85	ng/ul	95
19) Chrysene	21.15	228	28682	1.34	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	8506	1.60	ng/ul	88
22) Benzo(k)fluoranthene	22.76	252	23620	1.36	ng/ul#	90
23) Benzo(a)pyrene	23.32	252	14741	2.02	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.82	276	38389	1.81	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.83	278	6221	1.94	ng/ul#	74
26) Benzo(g,h,i)perylene	26.54	276	49031	1.51	ng/ul#	88

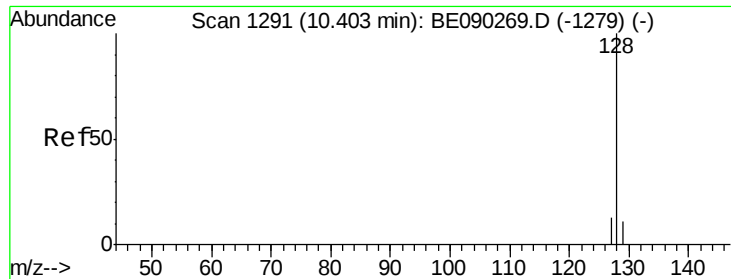
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.58 ng/ul

RT: 10.40 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

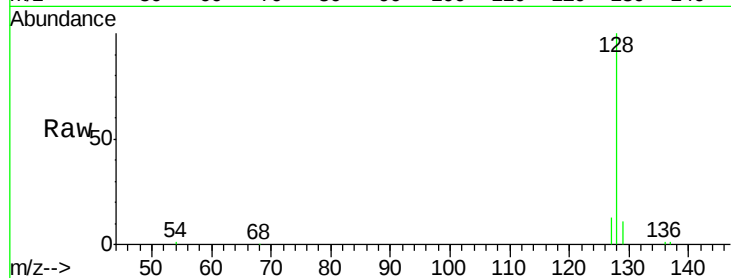
Tgt Ion:128 Resp: 18546

Ion Ratio Lower Upper

128 100

129 11.3 10.4 15.6

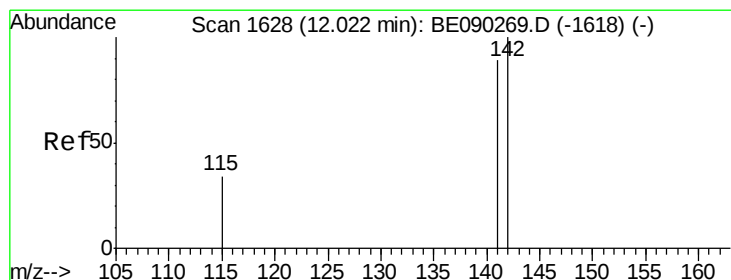
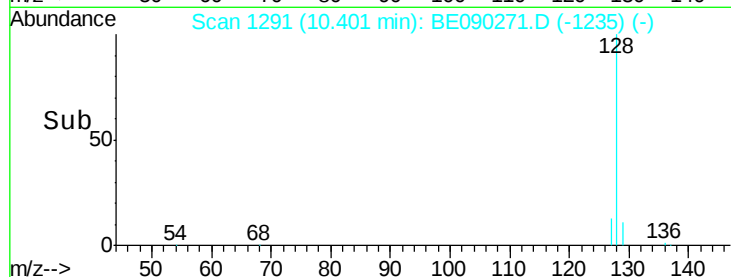
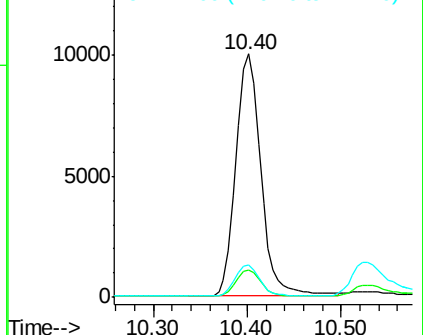
127 13.2 12.1 18.1



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



#5

2-Methylnaphthalene

Concen: 1.71 ng/ul

RT: 12.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BE090271.D

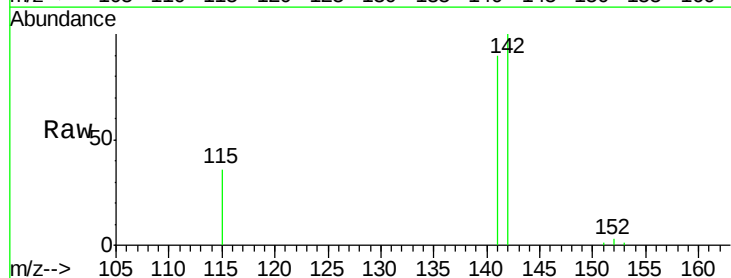
Acq: 28 Jul 2015 14:55

Tgt Ion:142 Resp: 12751

Ion Ratio Lower Upper

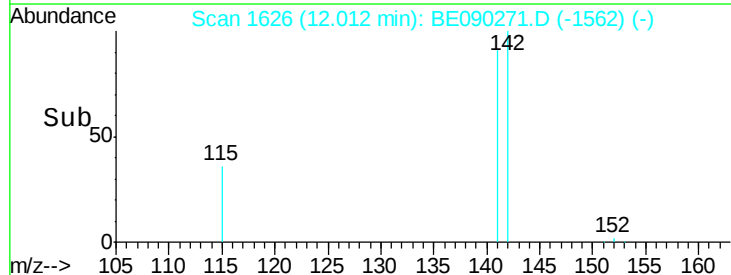
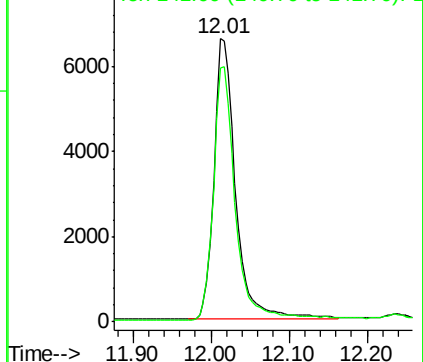
142 100

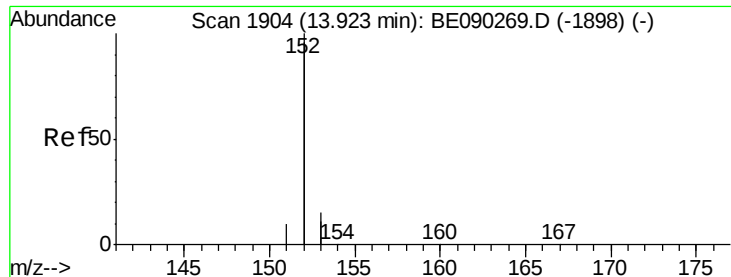
141 90.5 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.62 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

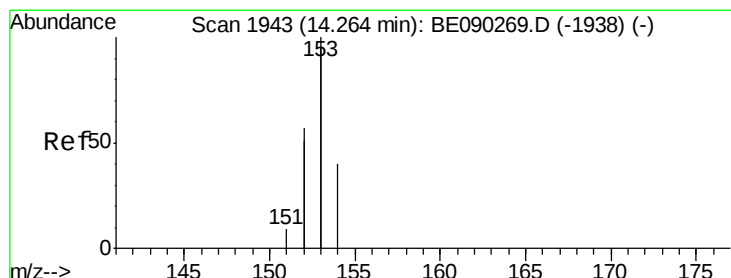
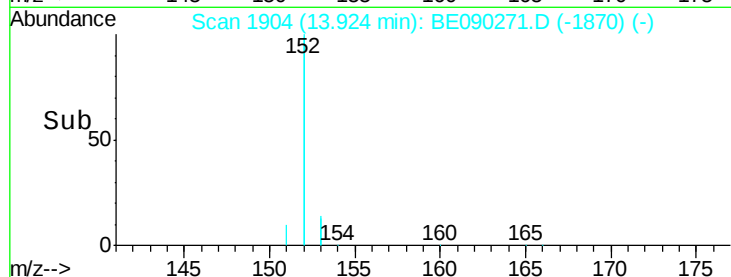
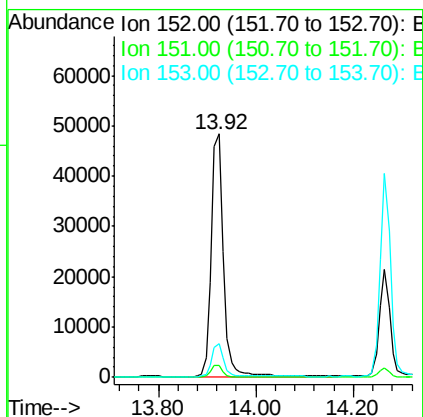
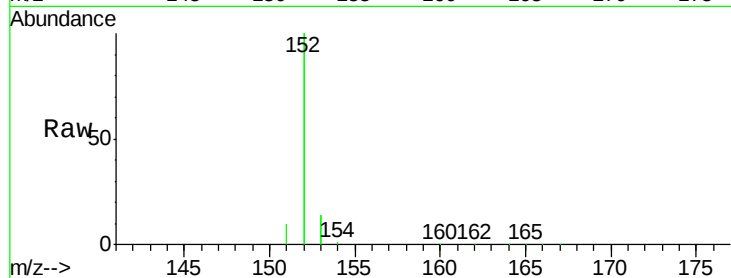
Tgt Ion:152 Resp: 83611

Ion Ratio Lower Upper

152 100

151 5.0 4.3 6.5

153 14.0 11.9 17.9



#8

Acenaphthene

Concen: 1.62 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

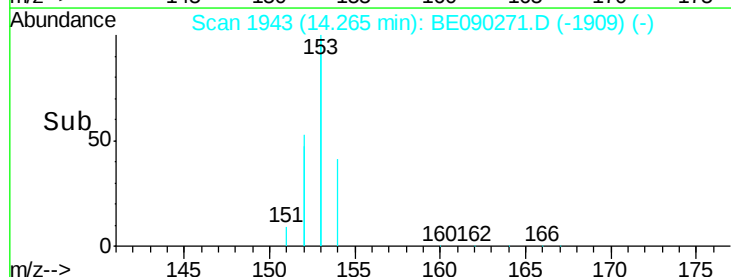
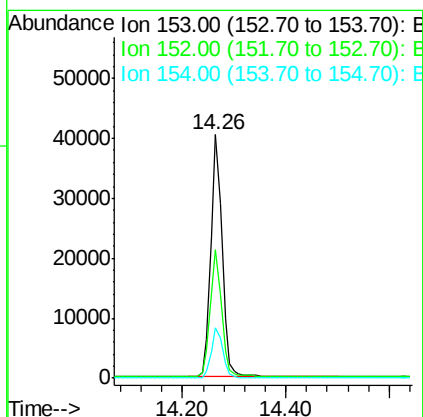
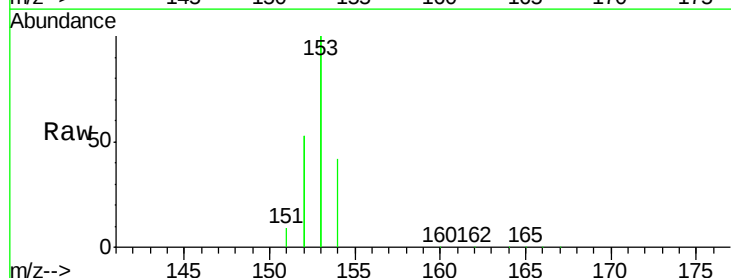
Tgt Ion:153 Resp: 60727

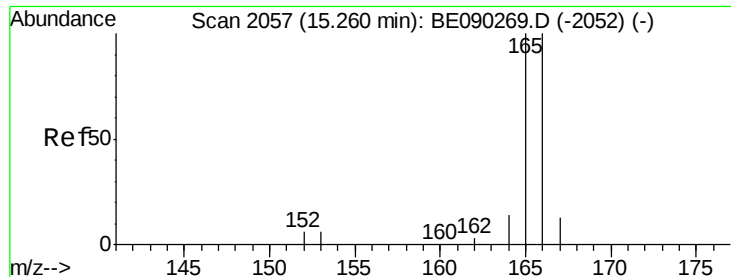
Ion Ratio Lower Upper

153 100

152 52.5 45.7 68.5

154 20.8 16.4 24.6





#9

Fluorene

Concen: 1.65 ng/ul

RT: 15.25 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

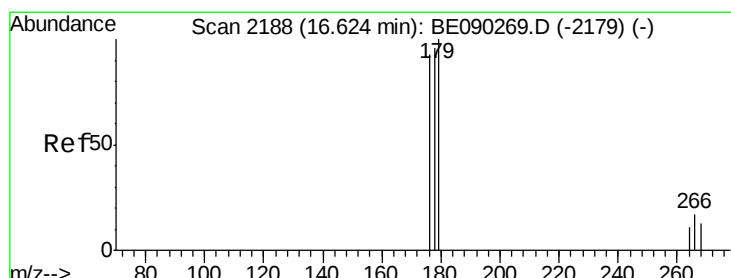
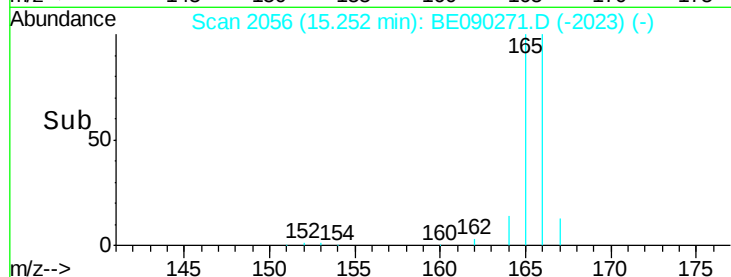
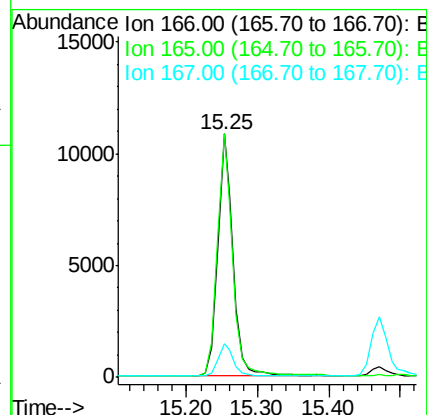
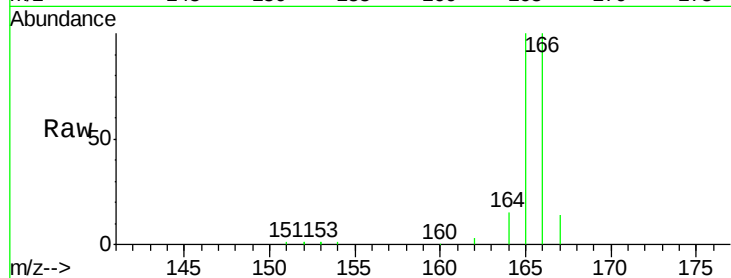
Tgt Ion:166 Resp: 16568

Ion Ratio Lower Upper

166 100

165 100.1 80.3 120.5

167 13.7 12.4 18.6



#11

Pentachlorophenol

Concen: 1.45 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.02 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

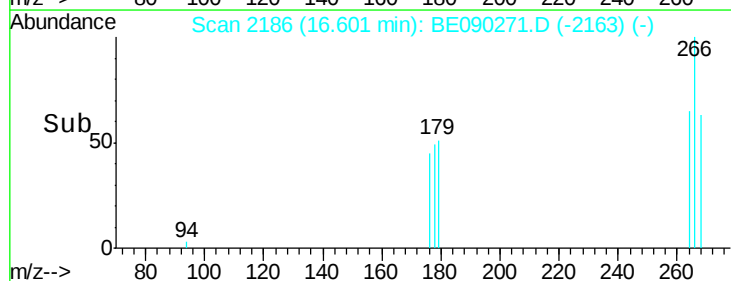
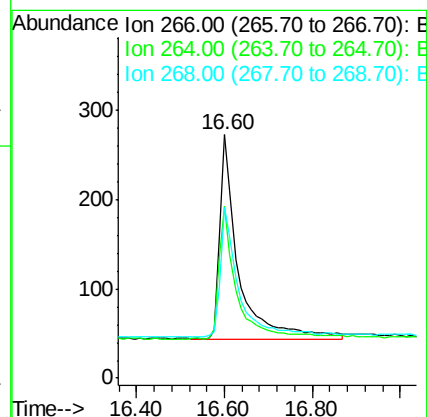
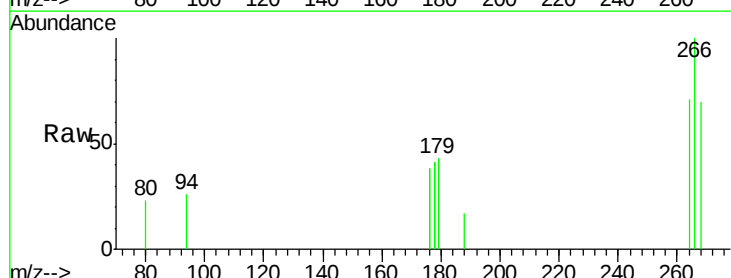
Tgt Ion:266 Resp: 677

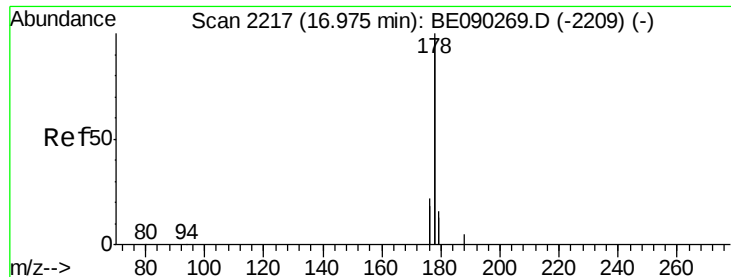
Ion Ratio Lower Upper

266 100

264 61.6 43.4 65.0

268 62.9 44.6 66.8





#12

Phenanthrene

Concen: 1.60 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

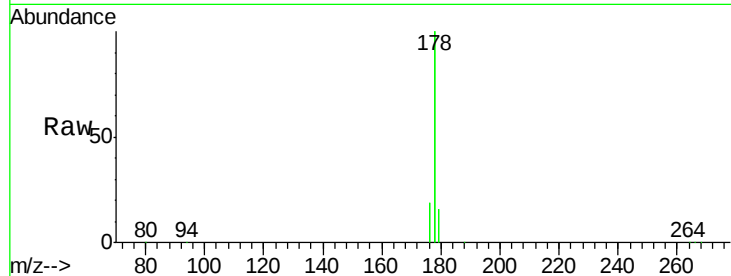
Tgt Ion:178 Resp: 100626

Ion Ratio Lower Upper

178 100

176 19.0 17.3 25.9

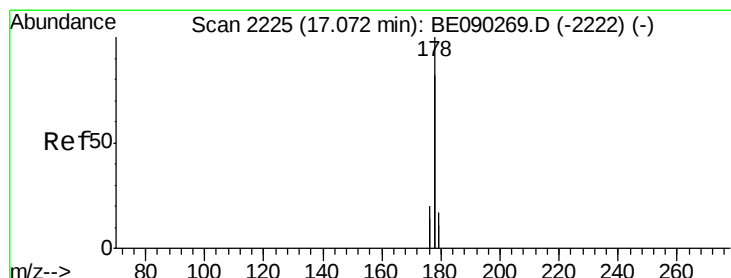
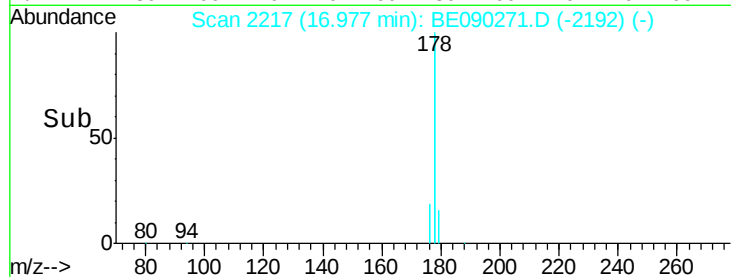
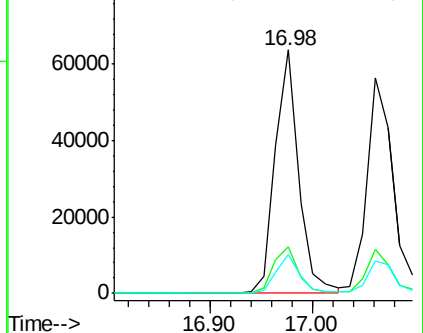
179 16.0 13.1 19.7



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



#13

Anthracene

Concen: 1.65 ng/ul

RT: 17.06 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

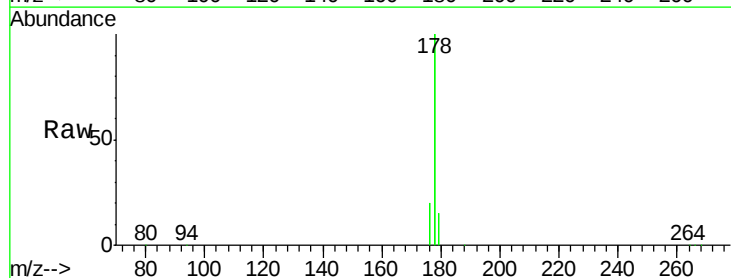
Tgt Ion:178 Resp: 103388

Ion Ratio Lower Upper

178 100

176 20.4 16.4 24.6

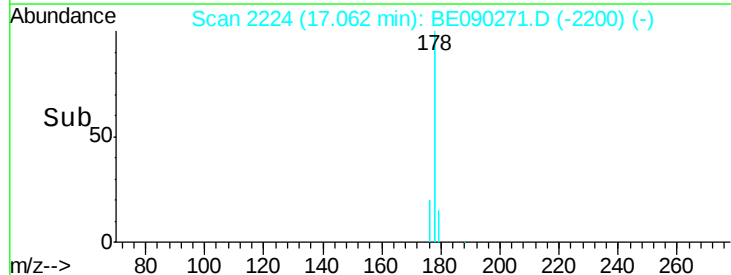
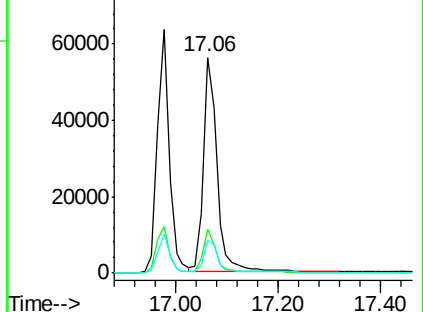
179 14.8 13.9 20.9

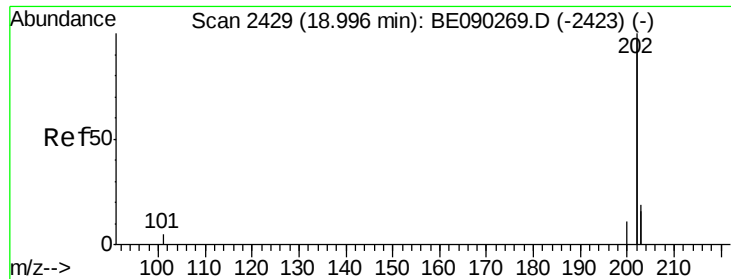


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

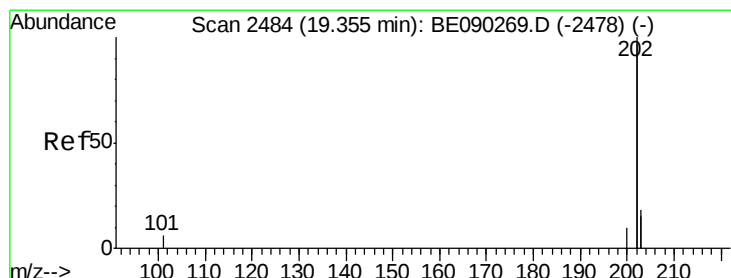
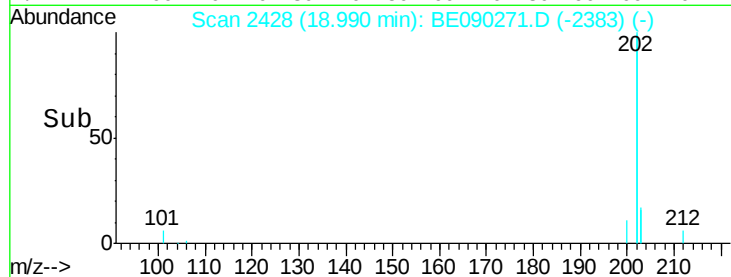
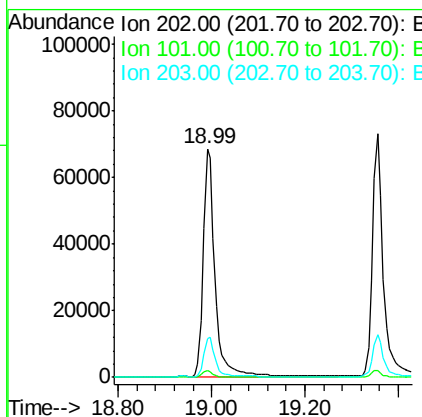
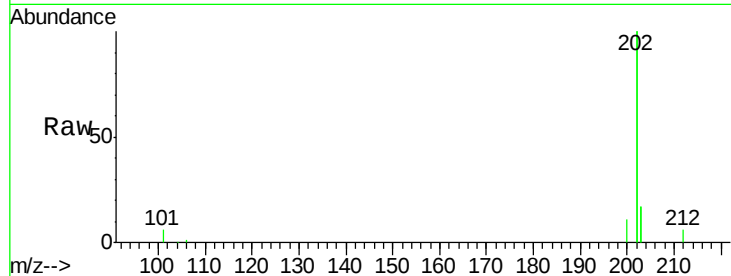




#15
Fluoranthene
Concen: 1.63 ng/ul
RT: 18.99 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BE090271.D
Acq: 28 Jul 2015 14:55

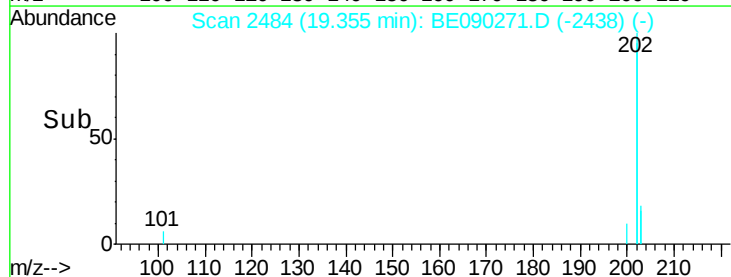
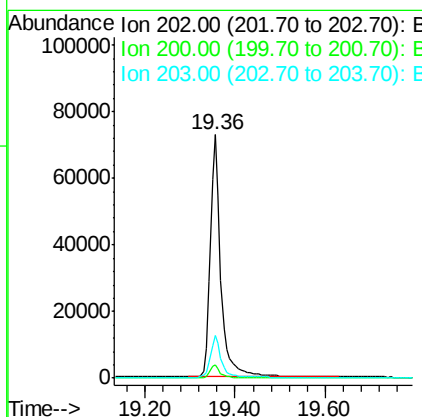
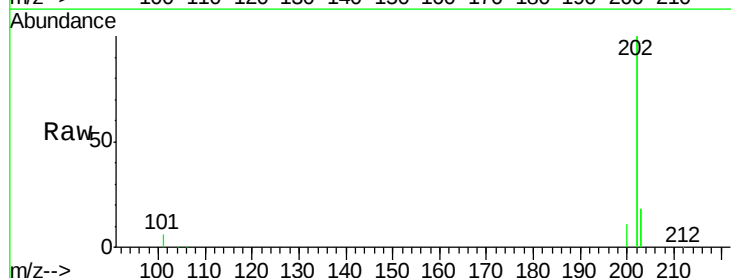
Instrument :
BNA_M
ClientSampleId :
SSTD1.646

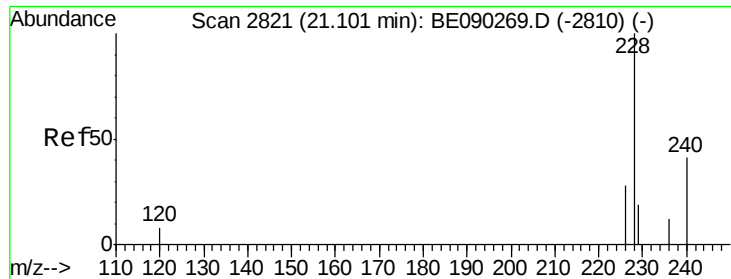
Tgt Ion:202 Resp: 118664
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.9
203 16.8 0.0 39.0



#17
Pyrene
Concen: 1.46 ng/ul
RT: 19.36 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BE090271.D
Acq: 28 Jul 2015 14:55

Tgt Ion:202 Resp: 120785
Ion Ratio Lower Upper
202 100
200 5.3 4.5 6.7
203 17.6 14.4 21.6





#18

Benzo(a)anthracene

Concen: 1.85 ng/ul

RT: 21.10 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

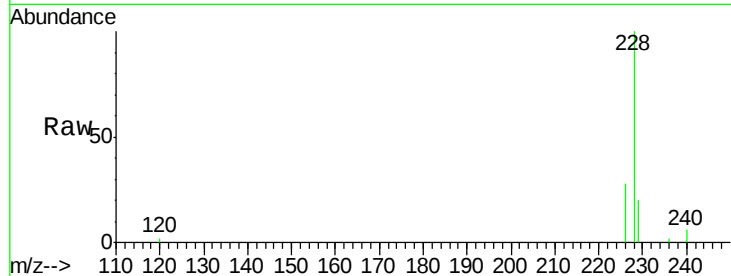
Tgt Ion:228 Resp: 14243

Ion Ratio Lower Upper

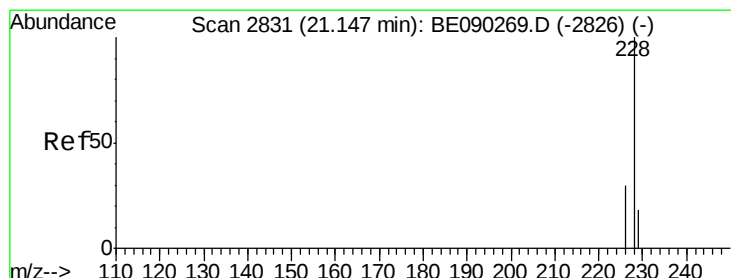
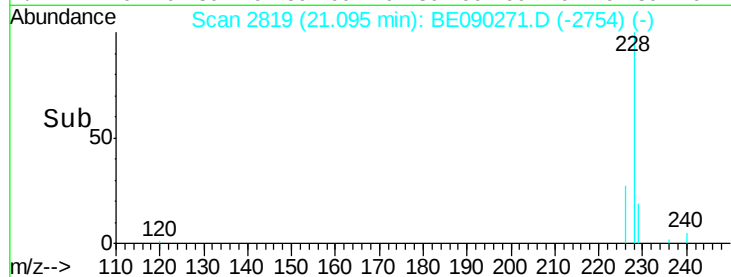
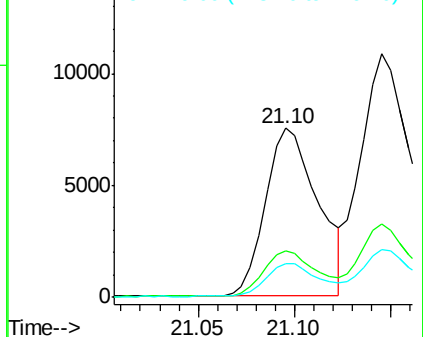
228 100

226 27.9 24.6 36.8

229 19.6 17.9 26.9



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



#19

Chrysene

Concen: 1.34 ng/ul

RT: 21.15 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

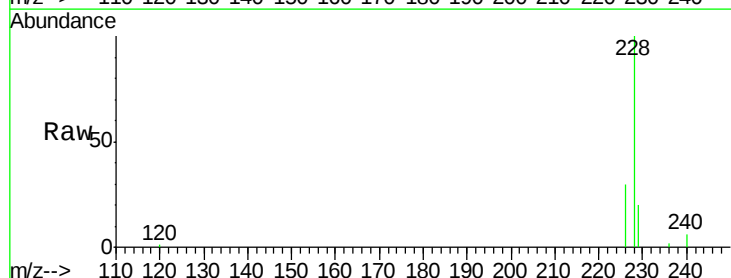
Tgt Ion:228 Resp: 28682

Ion Ratio Lower Upper

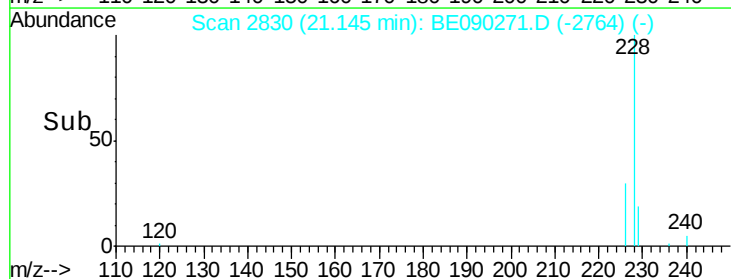
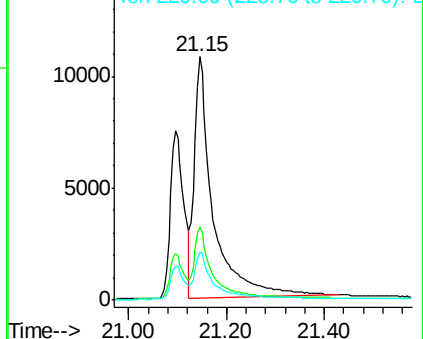
228 100

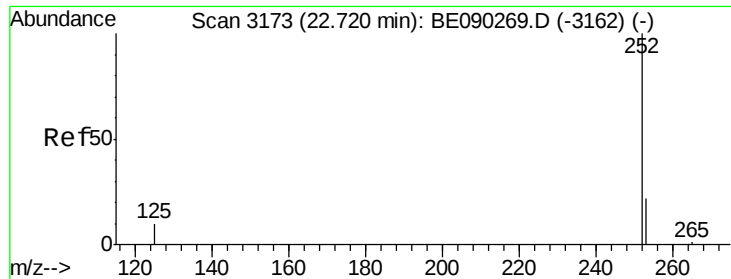
226 30.2 25.0 37.4

229 19.7 16.6 24.8



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

Benzo(b)fluoranthene

Concen: 1.60 ng/u1

RT: 22.72 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

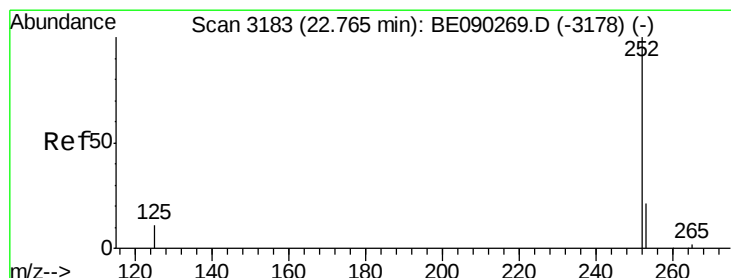
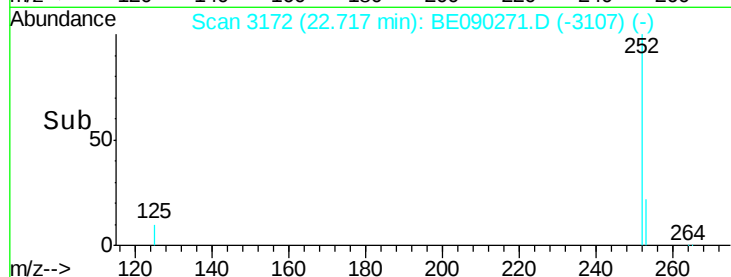
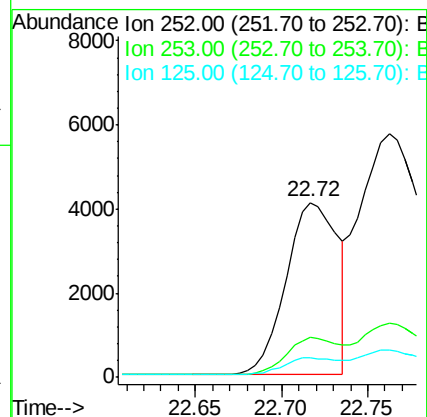
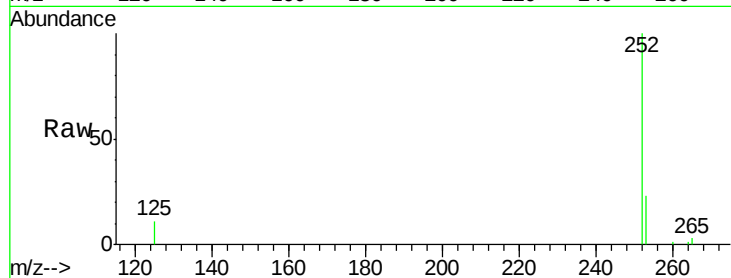
Tgt Ion:252 Resp: 8506

Ion Ratio Lower Upper

252 100

253 23.1 0.0 57.2

125 11.4 0.0 34.6



#22

Benzo(k)fluoranthene

Concen: 1.36 ng/u1

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

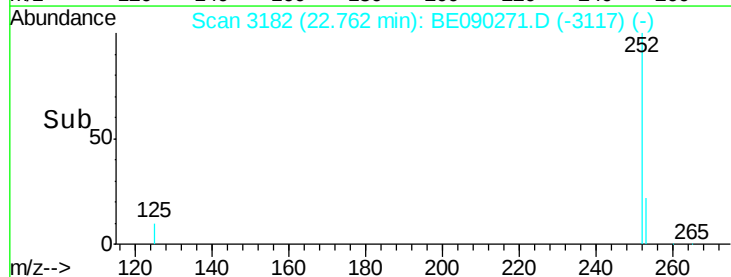
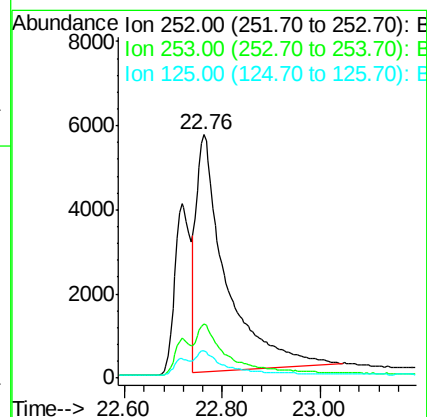
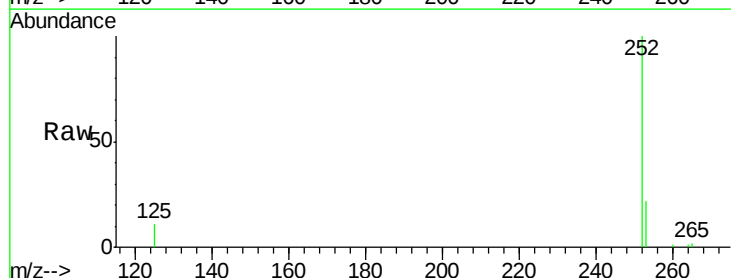
Tgt Ion:252 Resp: 23620

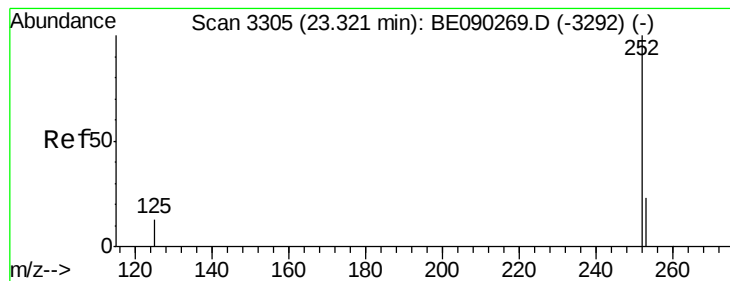
Ion Ratio Lower Upper

252 100

253 22.4 21.3 31.9

125 11.2 13.3 19.9#





#23

Benzo(a)pyrene

Concen: 2.02 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

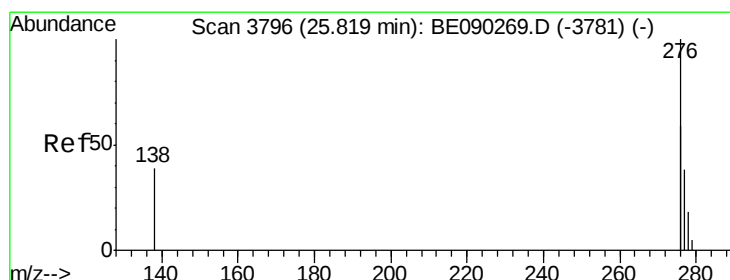
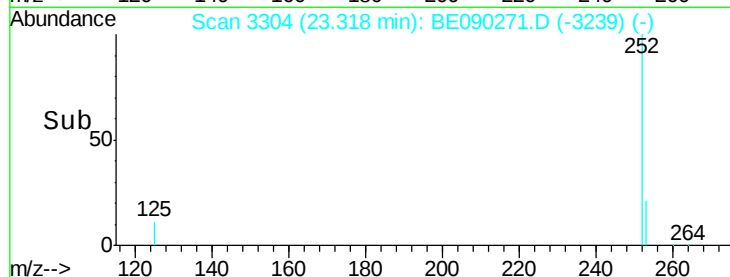
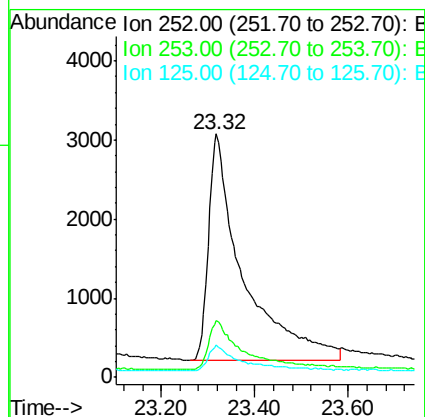
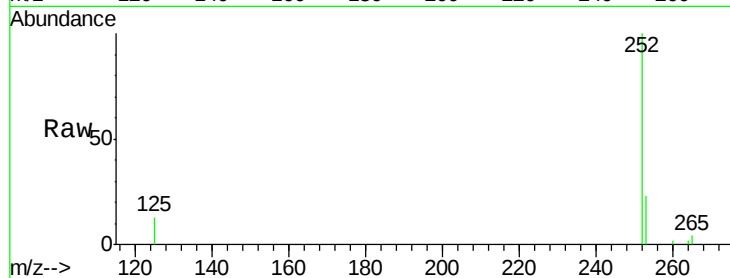
Tgt Ion:252 Resp: 14741

Ion Ratio Lower Upper

252 100

253 23.2 24.9 37.3#

125 13.1 17.5 26.3#



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.81 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.00 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

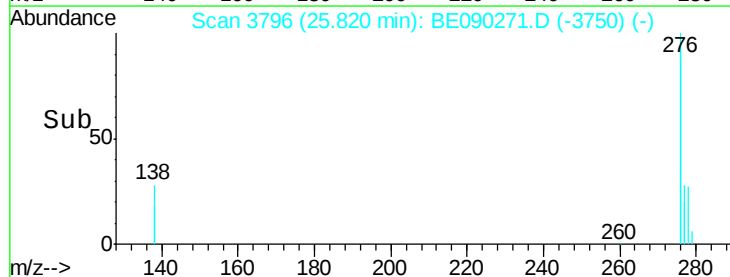
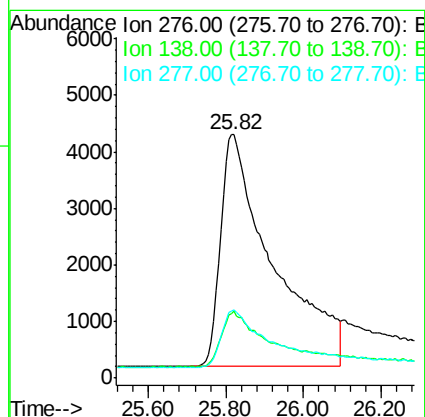
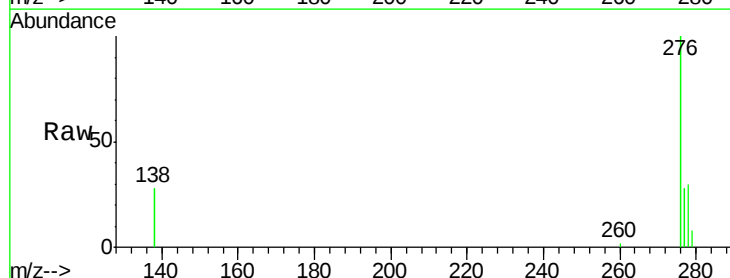
Tgt Ion:276 Resp: 38389

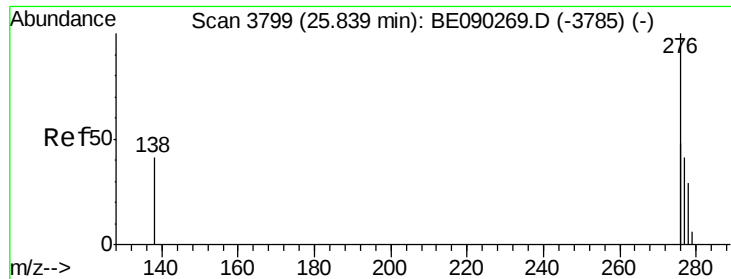
Ion Ratio Lower Upper

276 100

138 20.2 13.5 20.3

277 24.6 16.4 24.6#





#25

Dibenzo(a,h)anthracene

Concen: 1.94 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.646

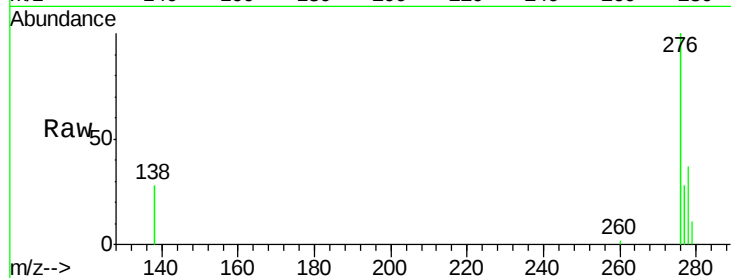
Tgt Ion:278 Resp: 6221

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

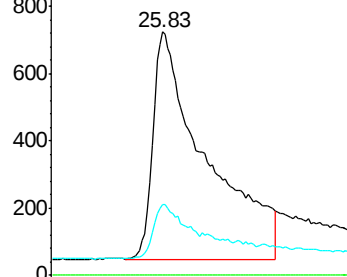
279 29.3 37.4 56.0#



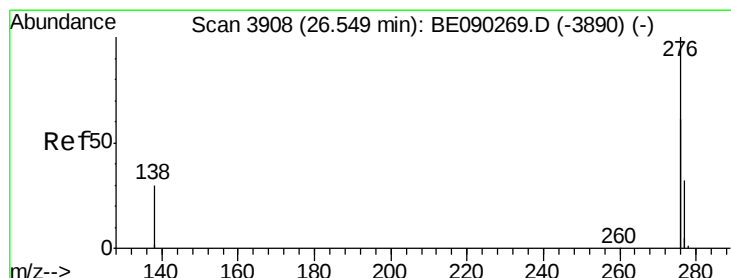
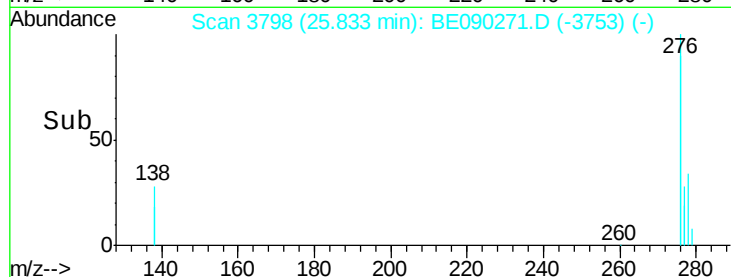
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.60 25.80 26.00 26.20



#26

Benzo(g,h,i)perylene

Concen: 1.51 ng/ul

RT: 26.54 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BE090271.D

Acq: 28 Jul 2015 14:55

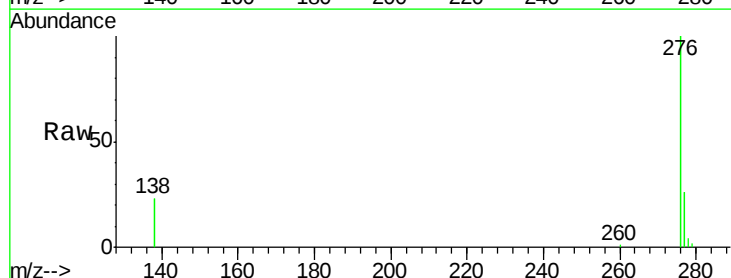
Tgt Ion:276 Resp: 49031

Ion Ratio Lower Upper

276 100

277 26.1 25.5 38.3

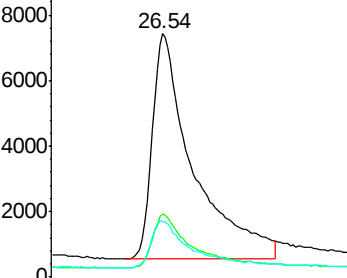
138 22.6 23.9 35.9#



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



Time--> 26.40 26.60 26.80

