

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090272.D
 Acq On : 28 Jul 2015 17:00
 Operator : TP/IZ
 Sample : SSTD3.247
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.247

Quant Time: Jul 29 04:04:07 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	7.59	152	1097	0.40	ng/ul	0.00
2) Naphthalene-d8	10.34	136	4821	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.20	164	2643	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	6202	0.40	ng/ul	-0.01
16) Chrysene-d12	21.11	240	5840	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	4152	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.94	152	25606	3.54	ng/ul	-0.01
14) Fluoranthene-d10	18.96	212	59761	3.46	ng/ul	0.00

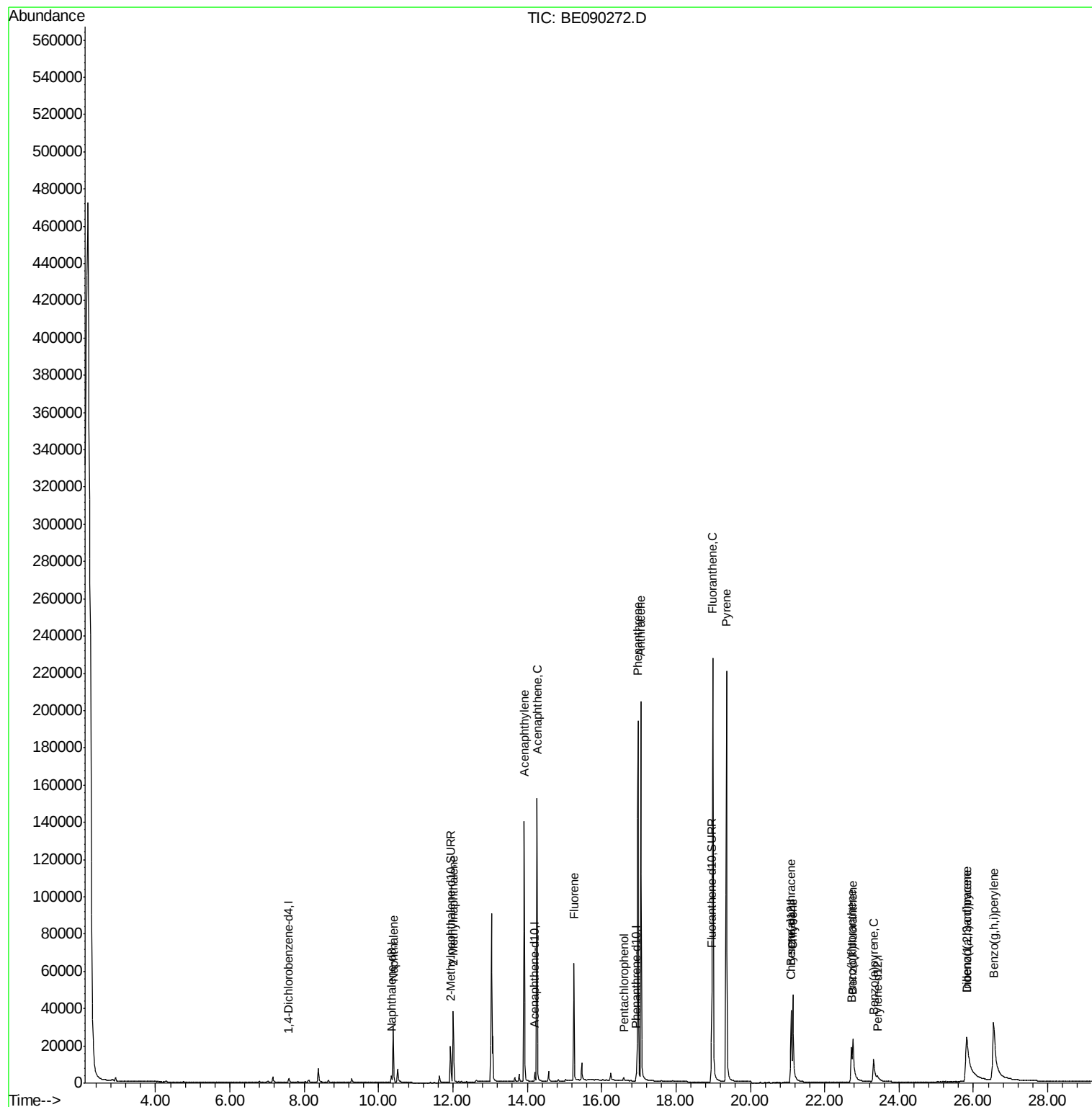
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.39	128	41380	3.23	ng/ul	95
5) 2-Methylnaphthalene	12.01	142	28752	3.54	ng/ul	99
7) Acenaphthylene	13.91	152	185371	3.34	ng/ul	96
8) Acenaphthene	14.26	153	131269	3.24	ng/ul	92
9) Fluorene	15.25	166	37077	3.42	ng/ul	99
11) Pentachlorophenol	16.60	266	1938	3.84	ng/ul	89
12) Phenanthrene	16.98	178	225728	3.31	ng/ul	96
13) Anthracene	17.06	178	230768	3.39	ng/ul	97
15) Fluoranthene	18.99	202	266929	3.38	ng/ul	96
17) Pyrene	19.35	202	274206	2.75	ng/ul	100
18) Benzo(a)anthracene	21.09	228	40464	4.34	ng/ul	94
19) Chrysene	21.14	228	66663	2.57	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	26975	4.14	ng/ul	86
22) Benzo(k)fluoranthene	22.76	252	59842	2.80	ng/ul#	89
23) Benzo(a)pyrene	23.32	252	38301	4.27	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.82	276	113881	4.35	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.83	278	19249	4.88	ng/ul#	68
26) Benzo(g,h,i)perylene	26.54	276	132846	3.33	ng/ul#	85

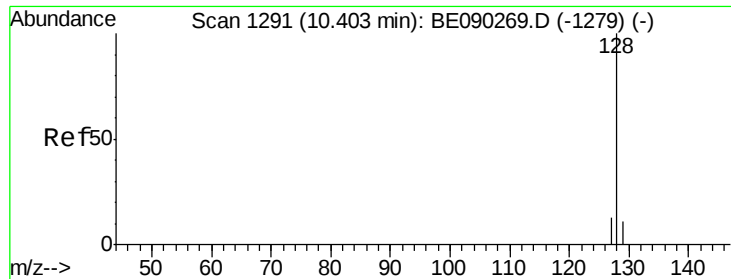
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.23 ng/ul

RT: 10.39 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

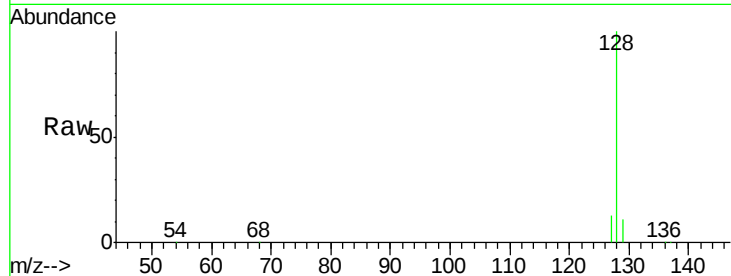
Tgt Ion:128 Resp: 41380

Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

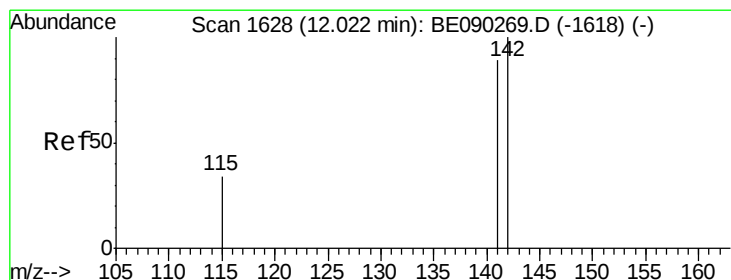
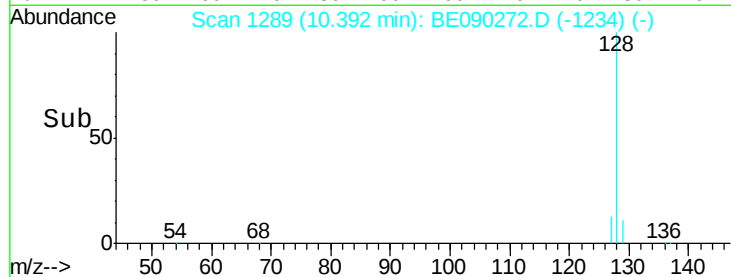
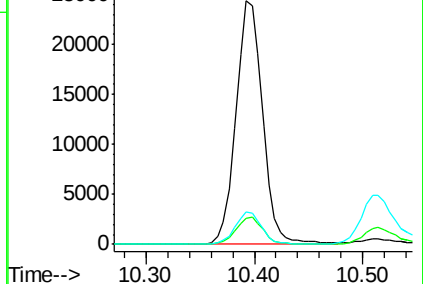
127 13.4 12.1 18.1



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: 3.54 ng/ul

RT: 12.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE090272.D

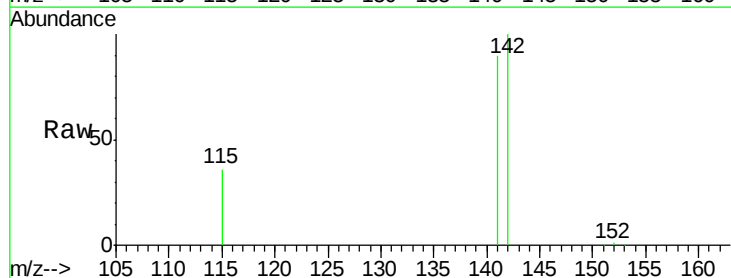
Acq: 28 Jul 2015 17:00

Tgt Ion:142 Resp: 28752

Ion Ratio Lower Upper

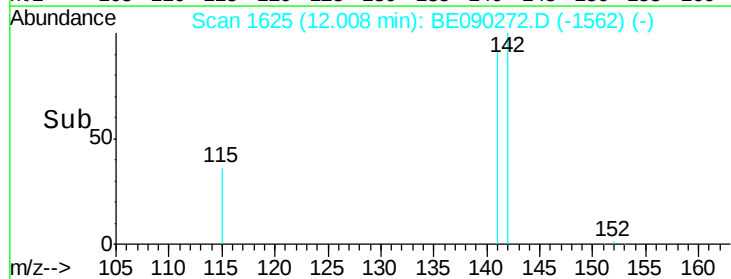
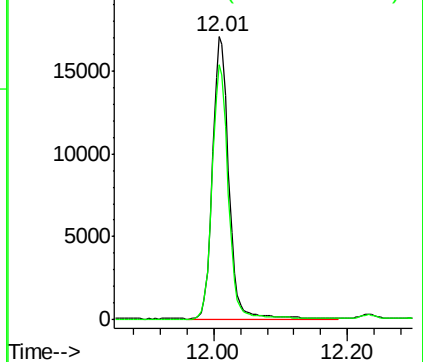
142 100

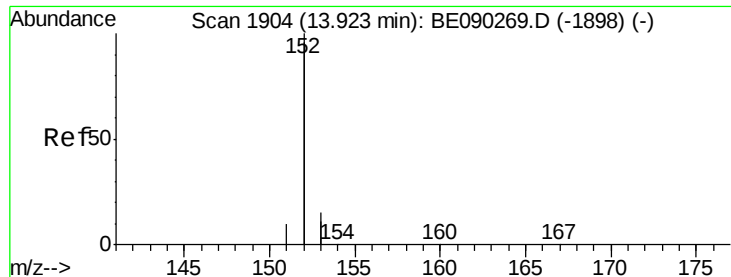
141 90.3 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.34 ng/ul

RT: 13.91 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

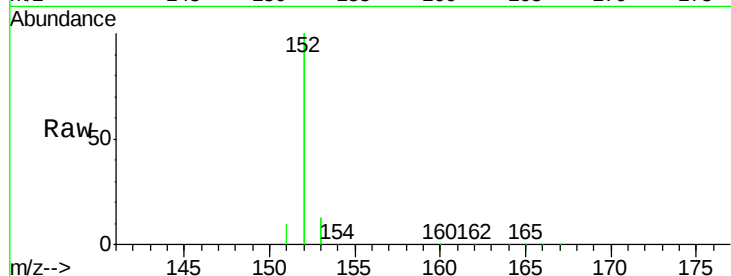
Tgt Ion:152 Resp: 185371

Ion Ratio Lower Upper

152 100

151 5.1 4.3 6.5

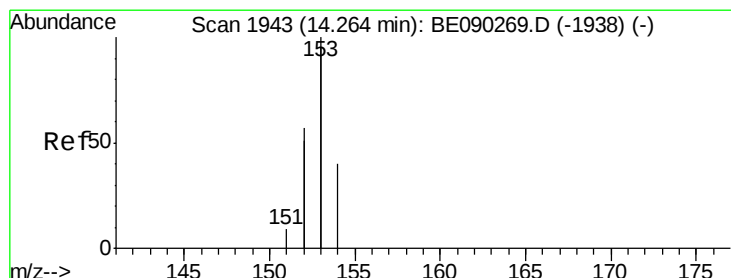
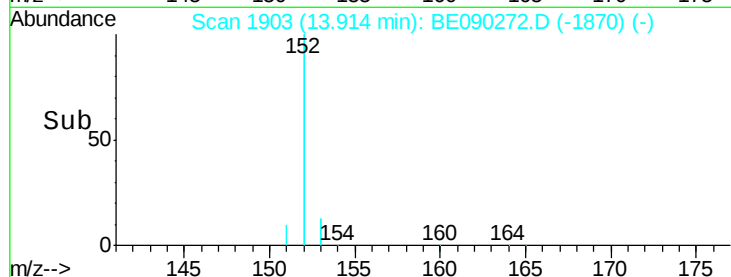
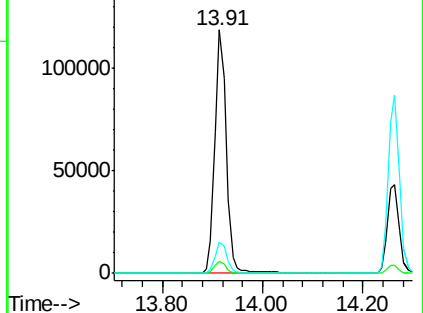
153 13.1 11.9 17.9



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



#8

Acenaphthene

Concen: 3.24 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

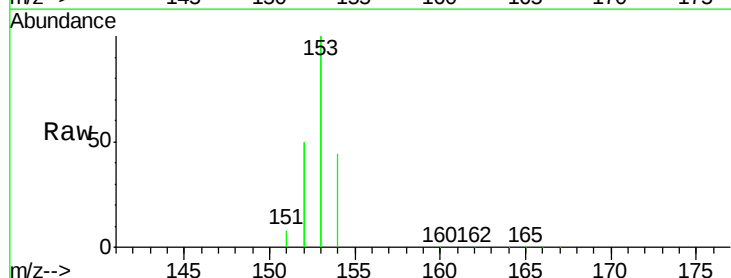
Tgt Ion:153 Resp: 131269

Ion Ratio Lower Upper

153 100

152 50.0 45.7 68.5

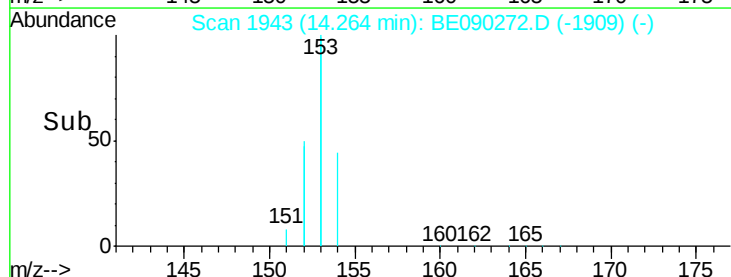
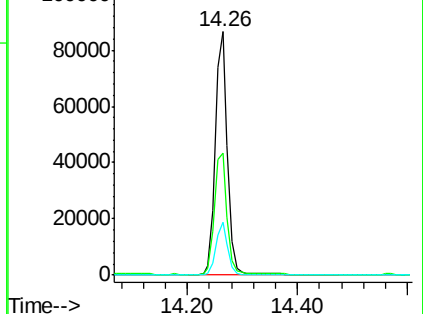
154 21.9 16.4 24.6

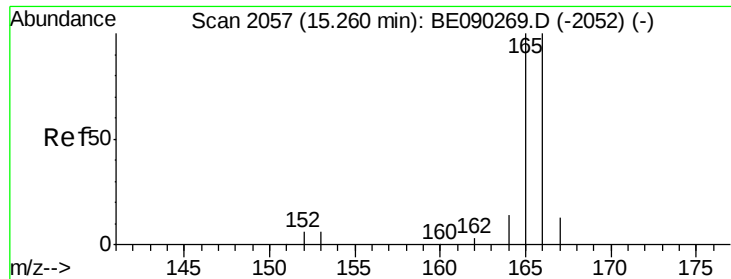


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 3.42 ng/ul

RT: 15.25 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

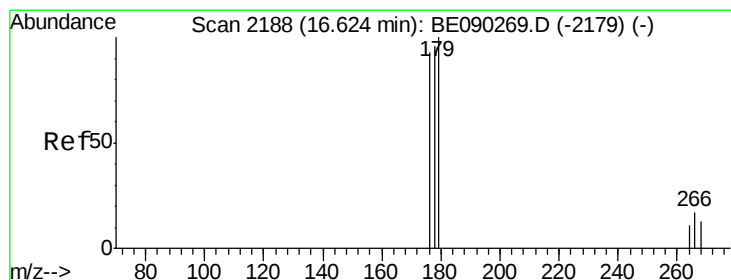
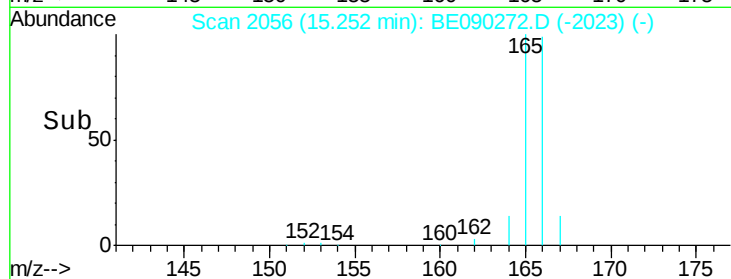
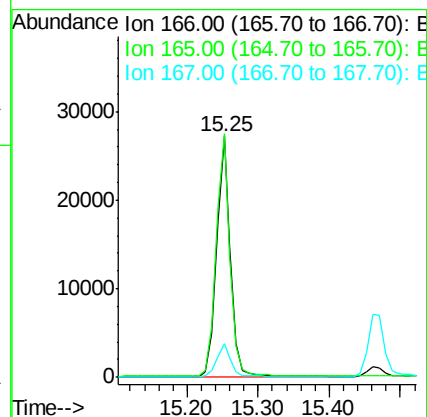
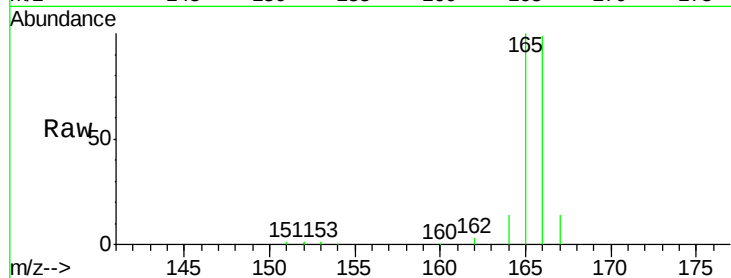
Tgt Ion:166 Resp: 37077

Ion Ratio Lower Upper

166 100

165 101.1 80.3 120.5

167 13.9 12.4 18.6



#11

Pentachlorophenol

Concen: 3.84 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.02 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

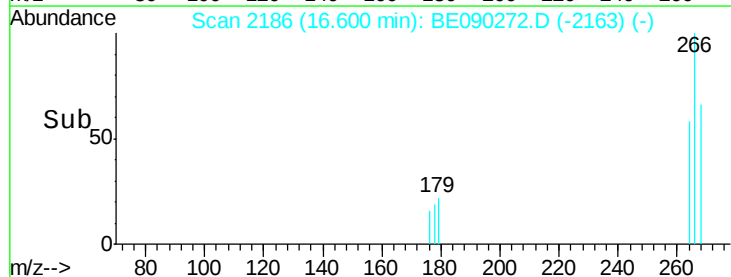
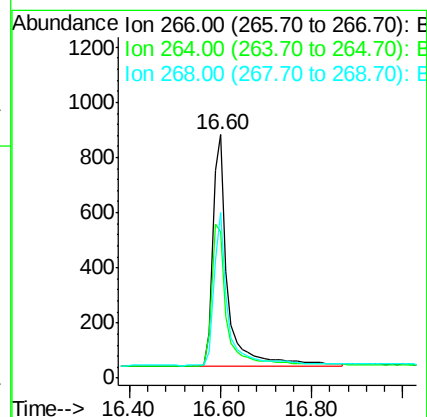
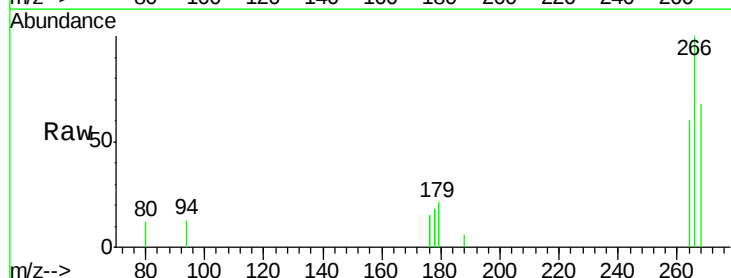
Tgt Ion:266 Resp: 1938

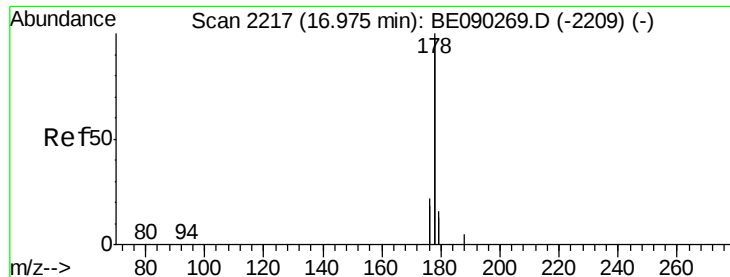
Ion Ratio Lower Upper

266 100

264 63.7 43.4 65.0

268 61.8 44.6 66.8





#12

Phenanthrene

Concen: 3.31 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

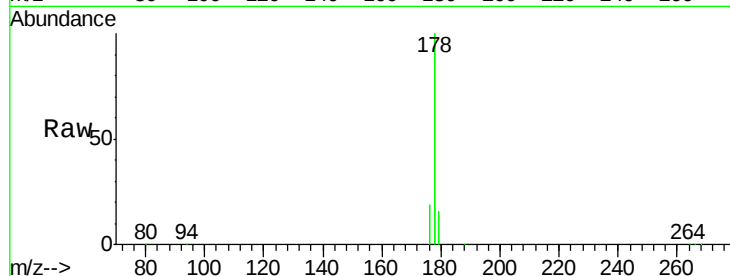
Tgt Ion:178 Resp: 225728

Ion Ratio Lower Upper

178 100

176 18.6 17.3 25.9

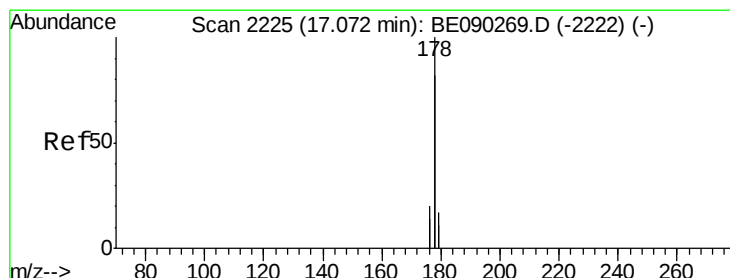
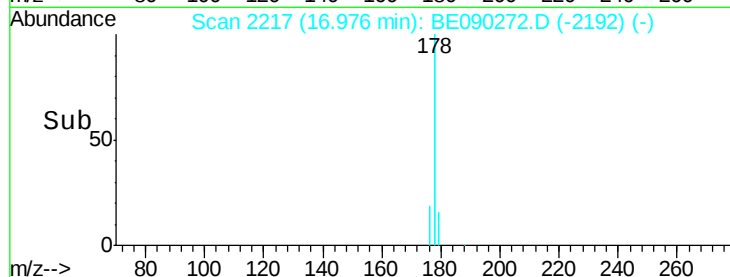
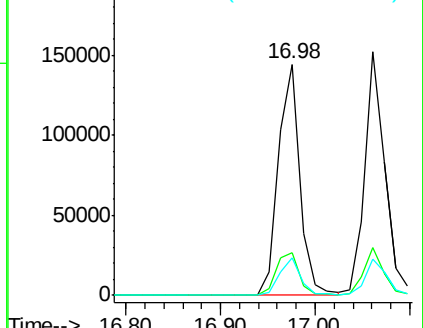
179 16.0 13.1 19.7



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: 3.39 ng/ul

RT: 17.06 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

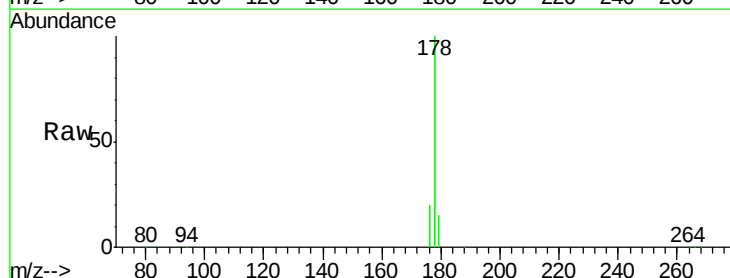
Tgt Ion:178 Resp: 230768

Ion Ratio Lower Upper

178 100

176 19.9 16.4 24.6

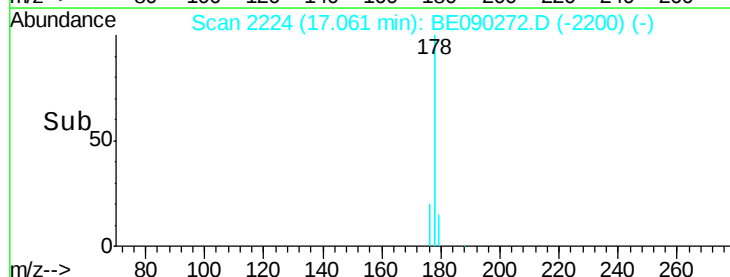
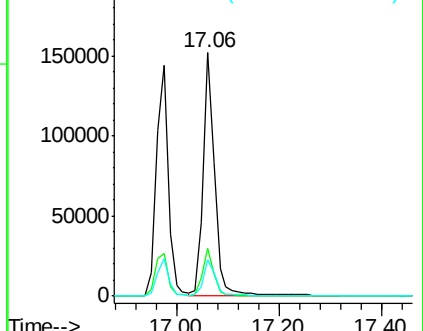
179 14.9 13.9 20.9

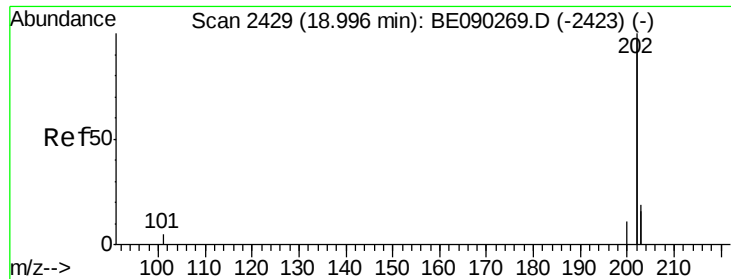


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

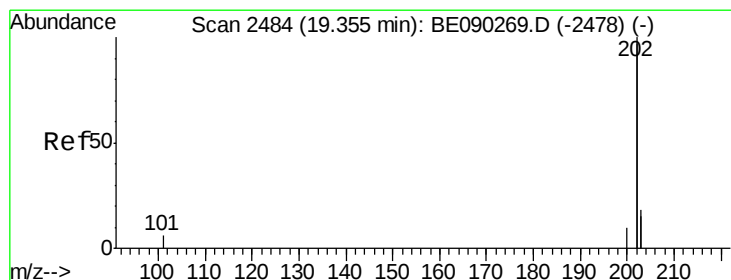
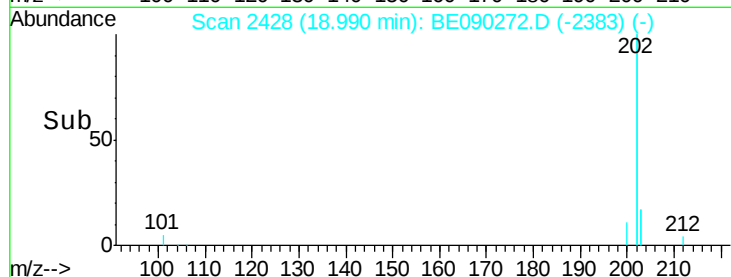
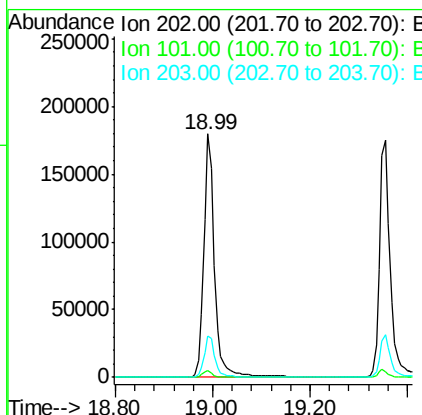
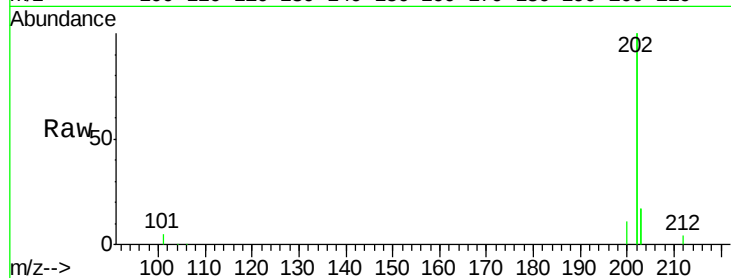




#15
Fluoranthene
 Concen: 3.38 ng/ul
 RT: 18.99 min Scan# 2428
 Delta R.T. -0.01 min
 Lab File: BE090272.D
 Acq: 28 Jul 2015 17:00

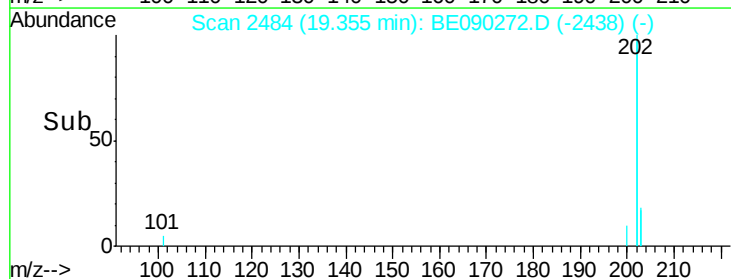
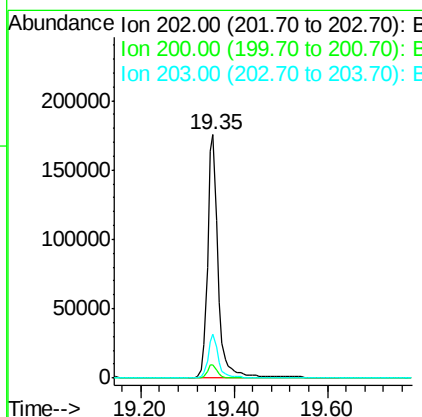
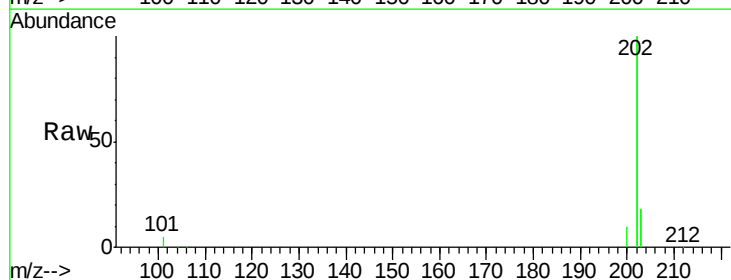
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.247

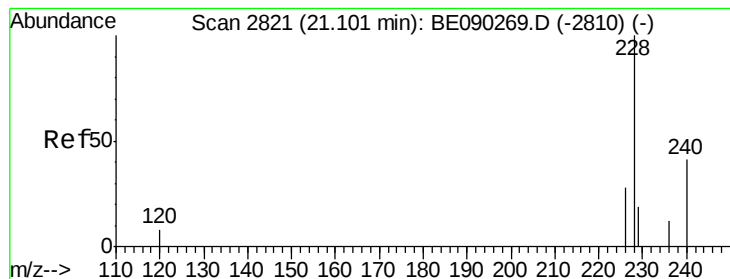
Tgt Ion:202 Resp: 266929
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 22.9
 203 16.8 0.0 39.0



#17
Pyrene
 Concen: 2.75 ng/ul
 RT: 19.35 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BE090272.D
 Acq: 28 Jul 2015 17:00

Tgt Ion:202 Resp: 274206
 Ion Ratio Lower Upper
 202 100
 200 5.2 4.5 6.7
 203 18.0 14.4 21.6





#18

Benzo(a)anthracene

Concen: 4.34 ng/ul

RT: 21.09 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

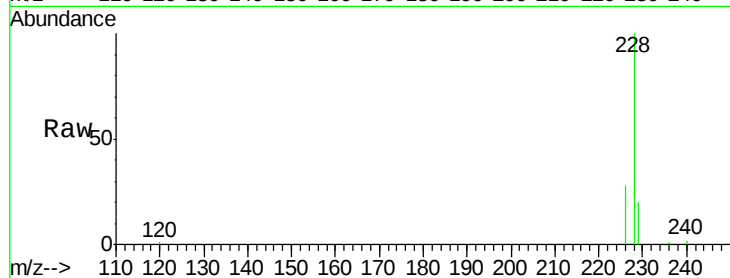
Tgt Ion:228 Resp: 40464

Ion Ratio Lower Upper

228 100

226 27.5 24.6 36.8

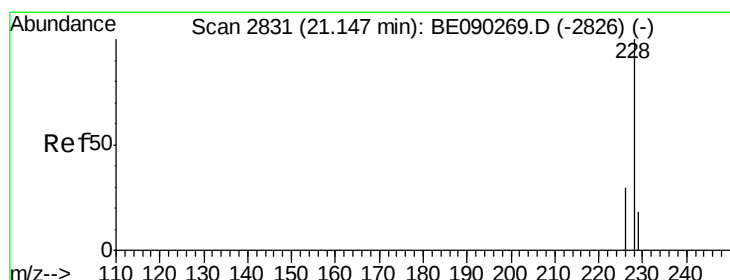
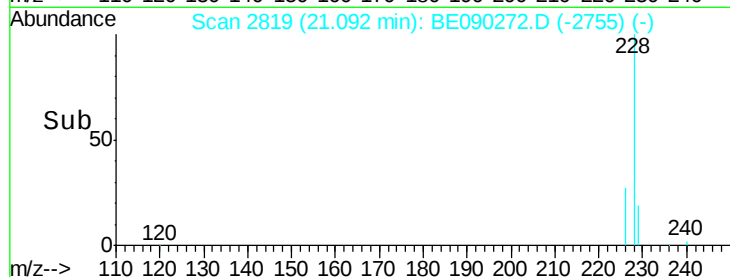
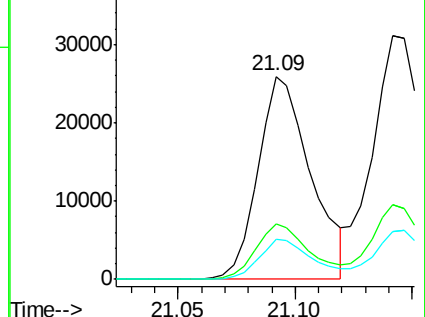
229 19.5 17.9 26.9



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: 2.57 ng/ul

RT: 21.14 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

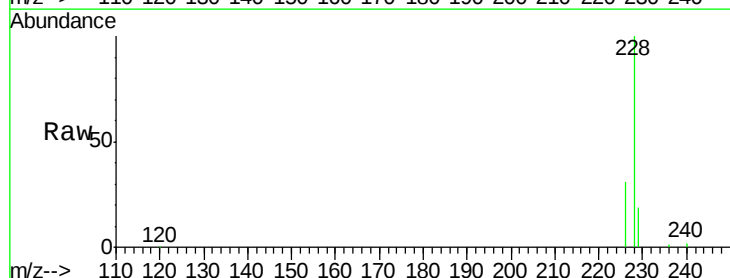
Tgt Ion:228 Resp: 66663

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

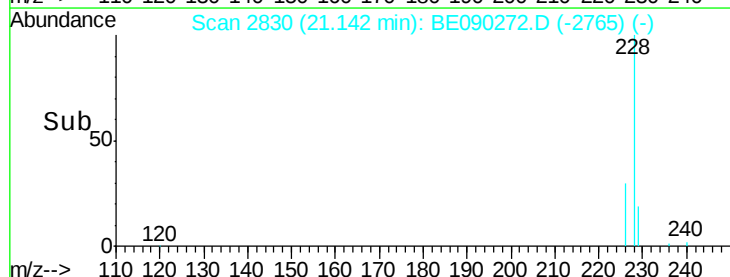
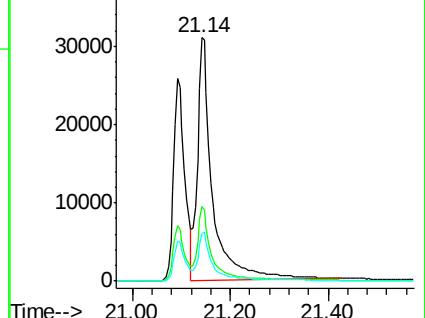
229 19.5 16.6 24.8

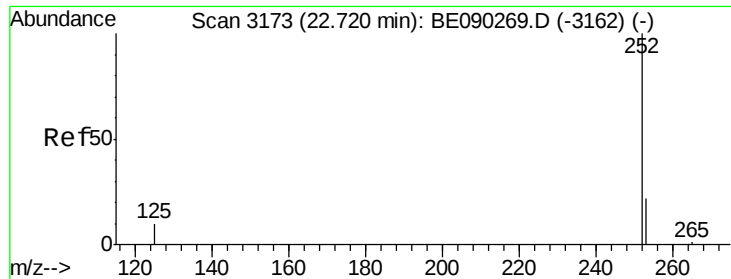


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.14 ng/ul

RT: 22.72 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

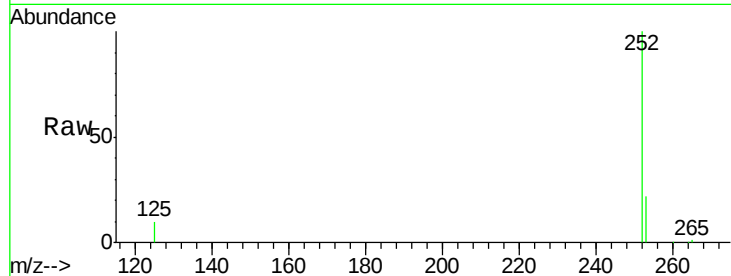
Tgt Ion:252 Resp: 26975

Ion Ratio Lower Upper

252 100

253 22.0 0.0 57.2

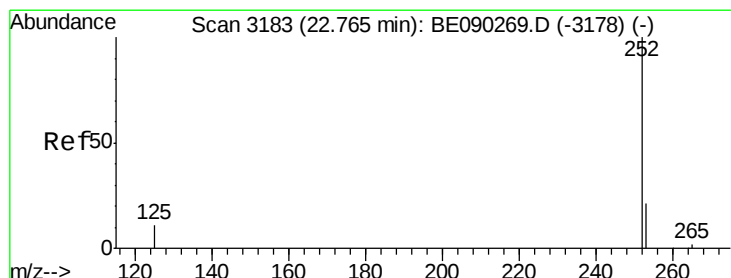
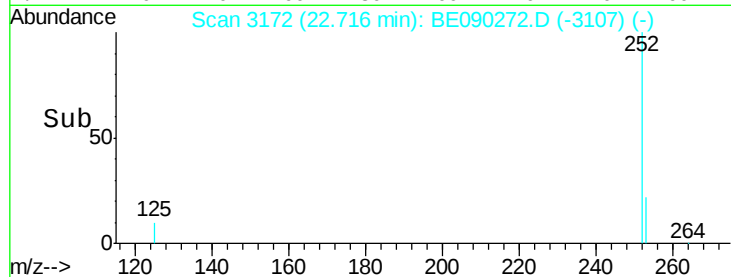
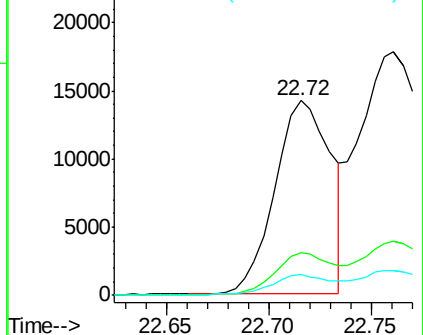
125 10.4 0.0 34.6



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



#22

Benzo(k)fluoranthene

Concen: 2.80 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

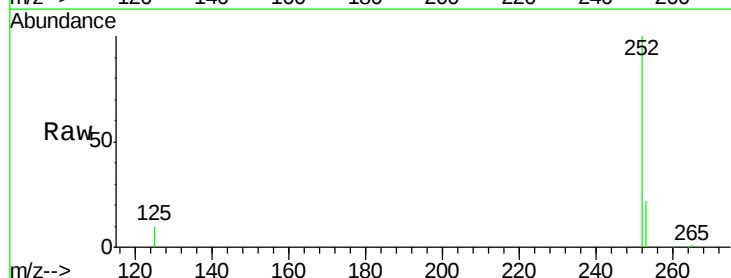
Tgt Ion:252 Resp: 59842

Ion Ratio Lower Upper

252 100

253 22.1 21.3 31.9

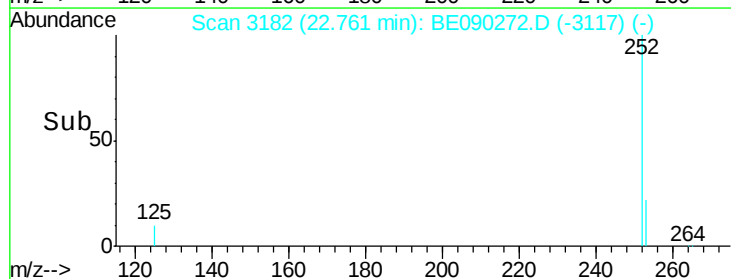
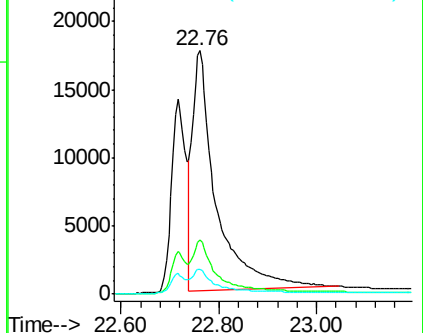
125 10.2 13.3 19.9#

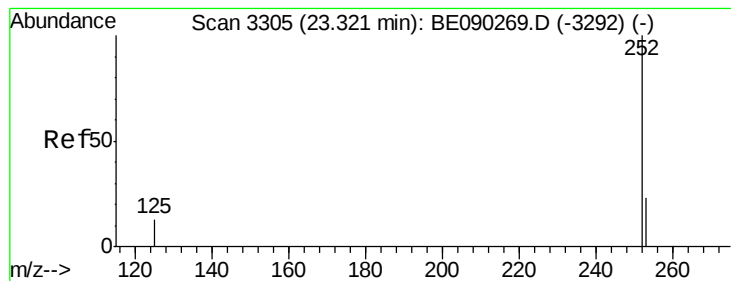


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.27 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

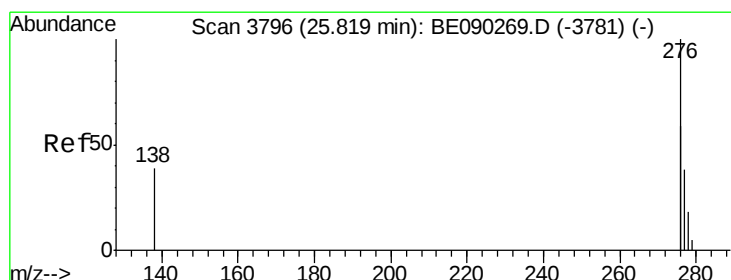
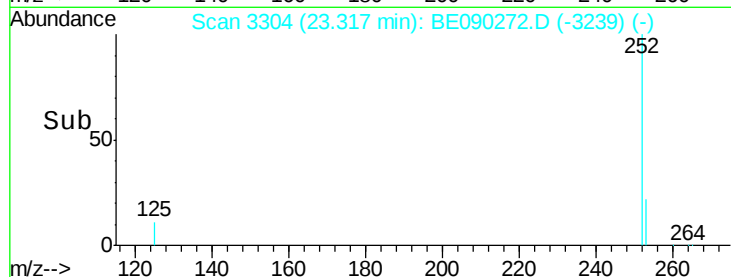
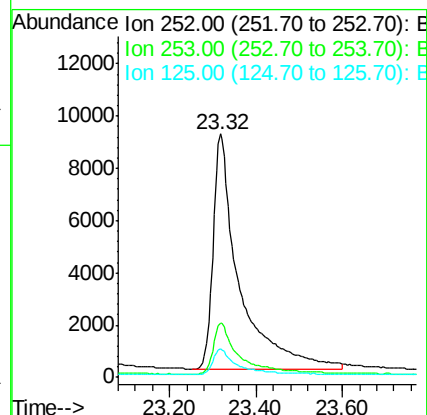
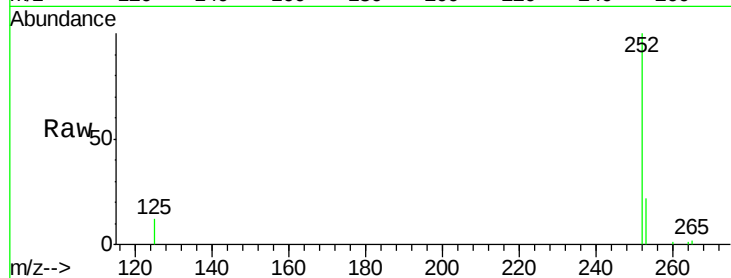
Tgt Ion:252 Resp: 38301

Ion Ratio Lower Upper

252 100

253 22.1 24.9 37.3#

125 11.9 17.5 26.3#



#24

Indeno(1,2,3-cd)pyrene

Concen: 4.35 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.00 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

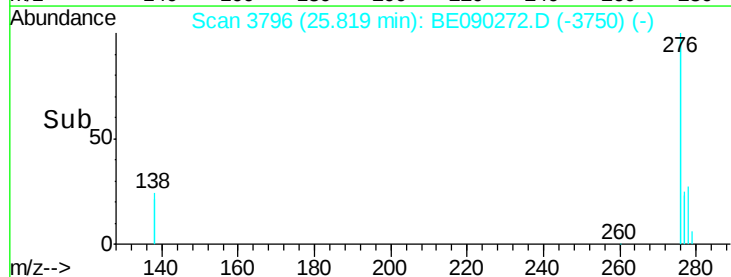
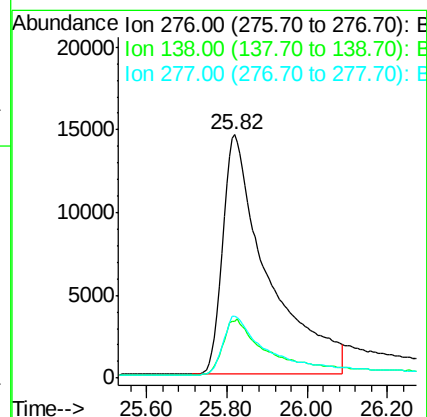
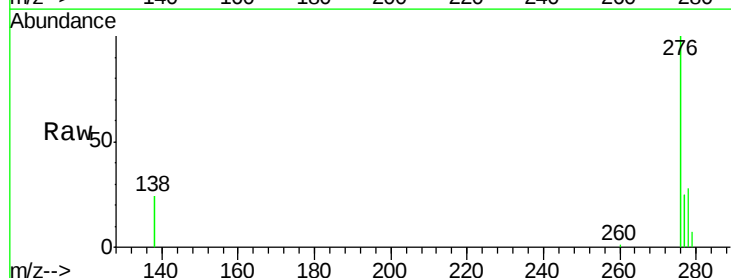
Tgt Ion:276 Resp: 113881

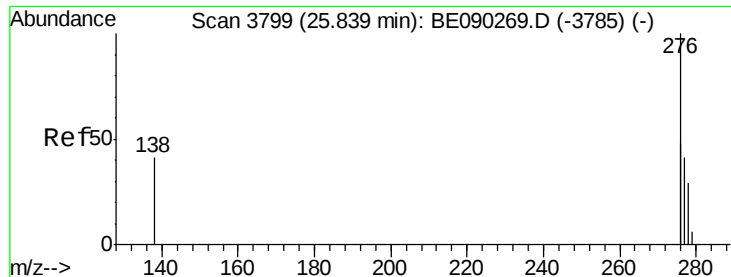
Ion Ratio Lower Upper

276 100

138 23.5 13.5 20.3#

277 24.6 16.4 24.6





#25

Dibenzo(a,h)anthracene

Concen: 4.88 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

Instrument :

BNA_M

ClientSampleId :

SSTD3.247

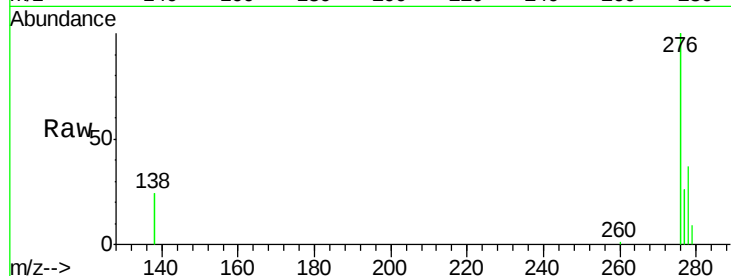
Tgt Ion:278 Resp: 19249

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

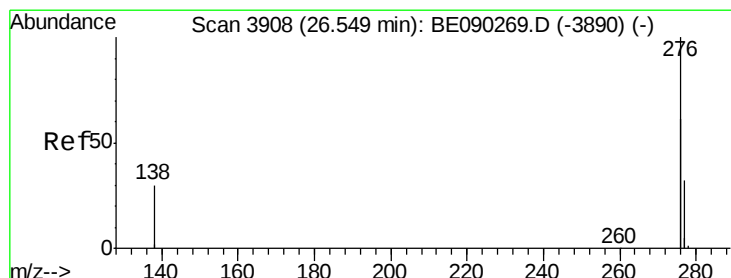
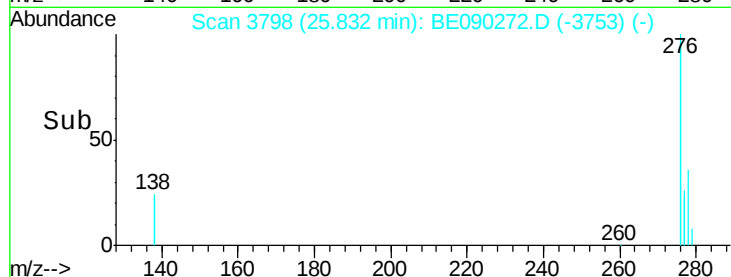
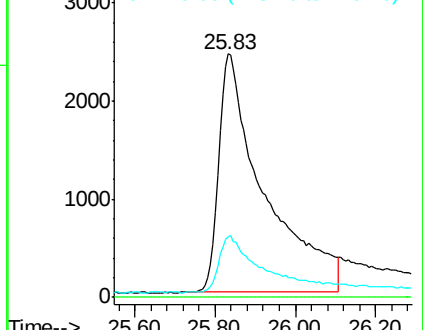
279 25.1 37.4 56.0#



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



#26

Benzo(g,h,i)perylene

Concen: 3.33 ng/ul

RT: 26.54 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BE090272.D

Acq: 28 Jul 2015 17:00

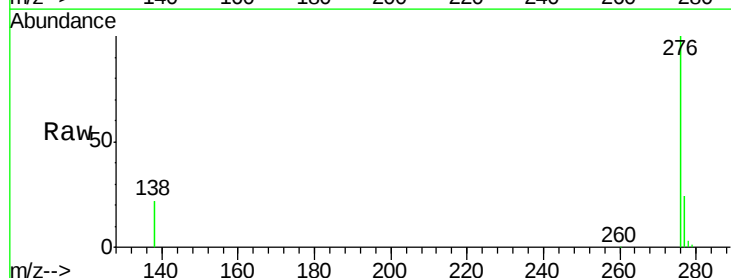
Tgt Ion:276 Resp: 132846

Ion Ratio Lower Upper

276 100

277 24.2 25.5 38.3#

138 21.6 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

