

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090268.D
 Acq On : 28 Jul 2015 13:05
 Operator : TP/IZ
 Sample : SSTD0.243
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.243

Quant Time: Jul 29 04:03:18 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	1003	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3912	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2377	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5509	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3265	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2377	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	1213	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	2991	0.20	ng/ul	0.00

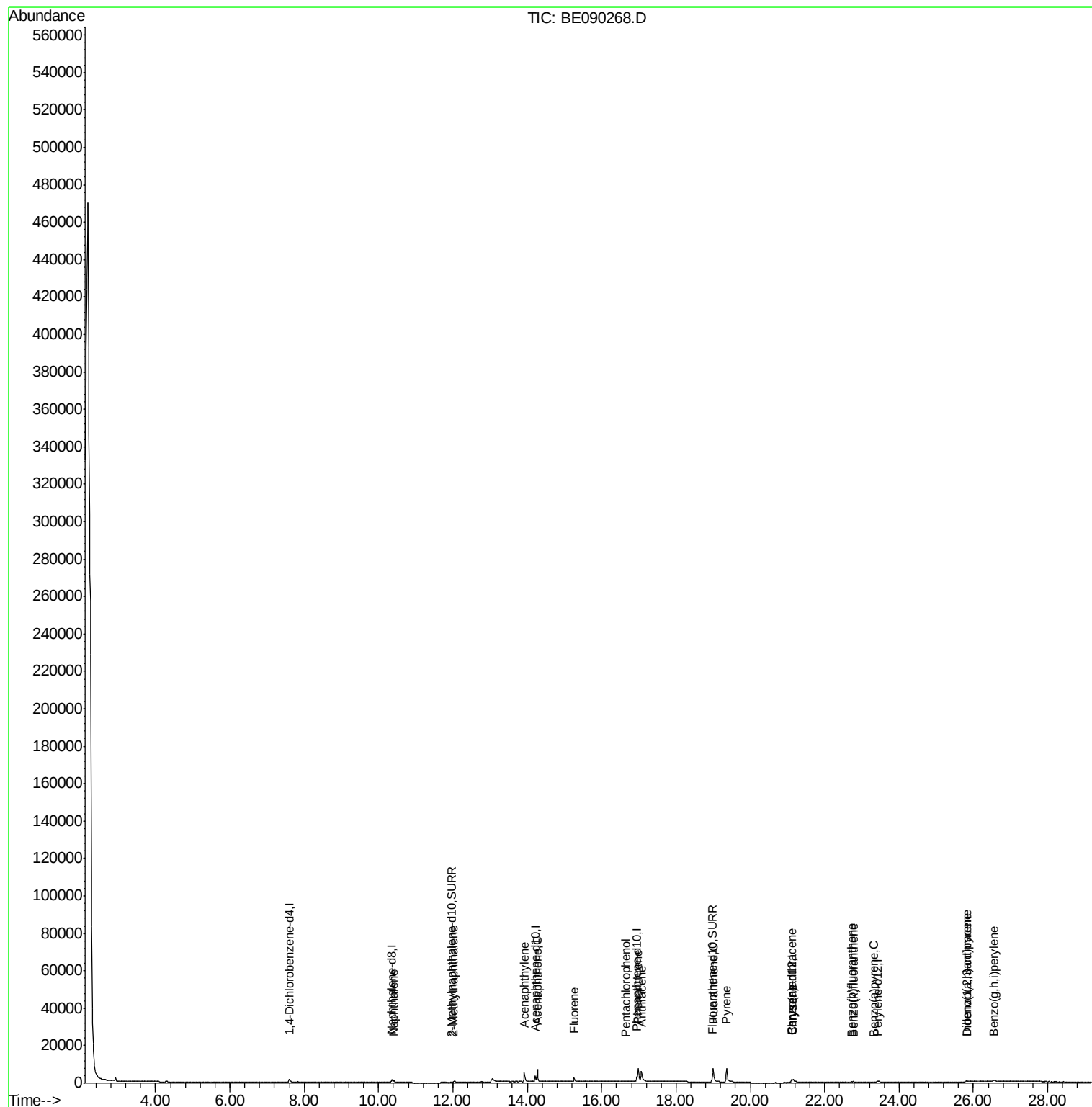
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	2203	0.21	ng/ul#	92
5) 2-Methylnaphthalene	12.03	142	1360	0.21	ng/ul	98
7) Acenaphthylene	13.92	152	9887	0.20	ng/ul	97
8) Acenaphthene	14.27	153	7340	0.20	ng/ul	96
9) Fluorene	15.26	166	1864	0.19	ng/ul	97
11) Pentachlorophenol	16.65	266	12	0.03	ng/ul#	1
12) Phenanthrene	16.98	178	11267	0.19	ng/ul	96
13) Anthracene	17.07	178	11696	0.19	ng/ul	94
15) Fluoranthene	19.00	202	13567	0.19	ng/ul	97
17) Pyrene	19.36	202	13910	0.25	ng/ul	97
18) Benzo(a)anthracene	21.10	228	878	0.17	ng/ul	93
19) Chrysene	21.16	228	2842	0.20	ng/ul#	96
21) Benzo(b)fluoranthene	22.72	252	675	0.18	ng/ul	77
22) Benzo(k)fluoranthene	22.76	252	1661	0.14	ng/ul#	86
23) Benzo(a)pyrene	23.33	252	689	0.13	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.83	276	2890	0.19	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.84	278	319	0.14	ng/ul#	72
26) Benzo(g,h,i)perylene	26.54	276	4016	0.18	ng/ul#	82

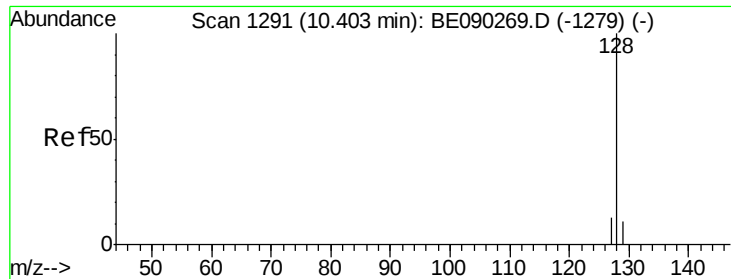
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.21 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

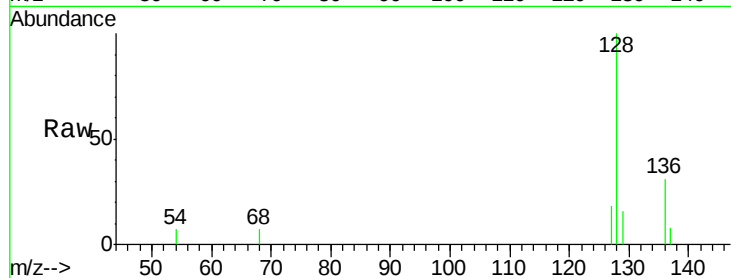
Tgt Ion:128 Resp: 2203

Ion Ratio Lower Upper

128 100

129 16.1 10.4 15.6#

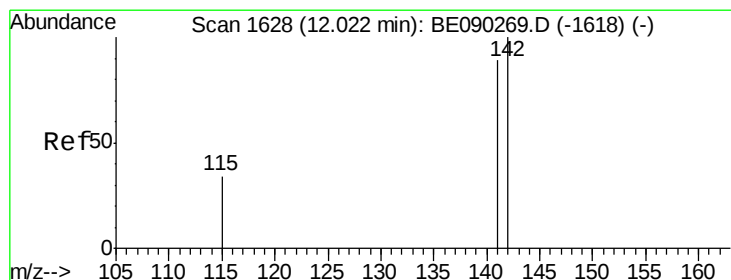
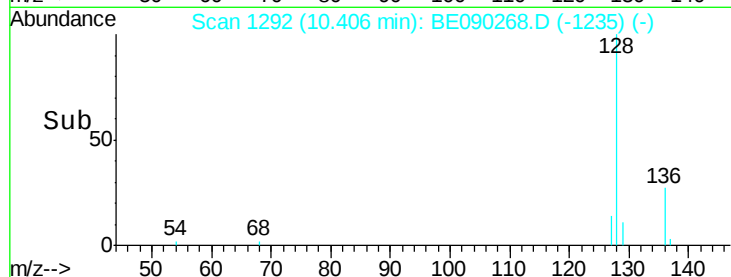
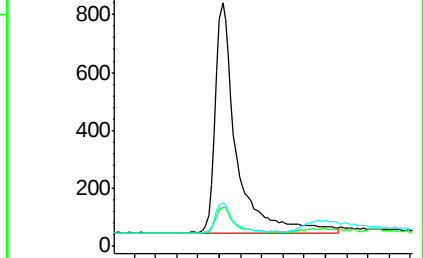
127 18.2 12.1 18.1#



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: 0.21 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE090268.D

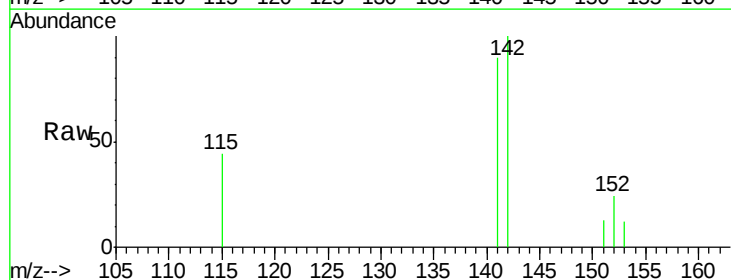
Acq: 28 Jul 2015 13:05

Tgt Ion:142 Resp: 1360

Ion Ratio Lower Upper

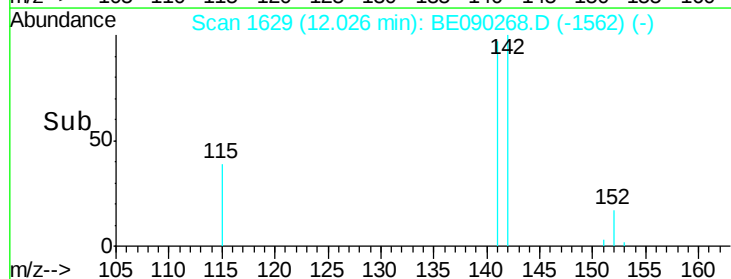
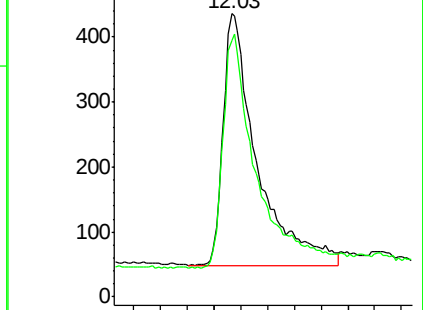
142 100

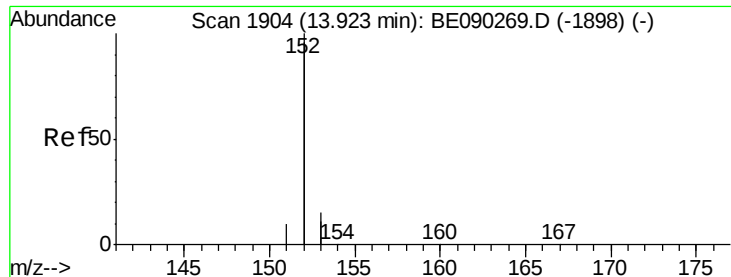
141 93.5 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

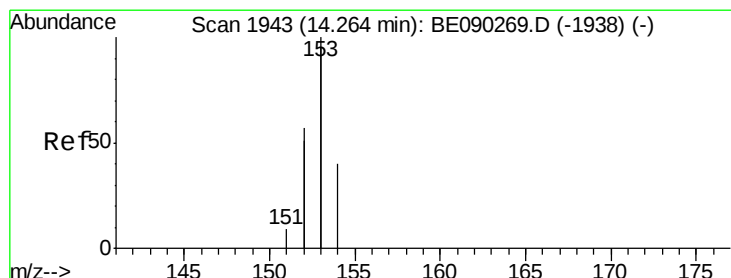
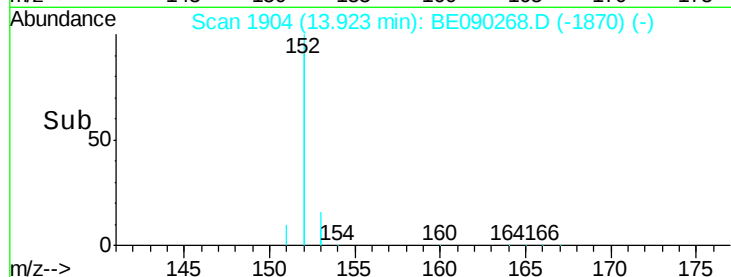
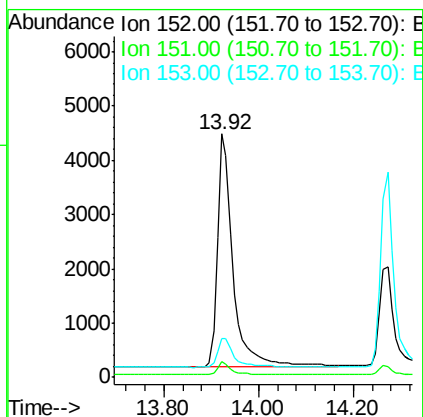
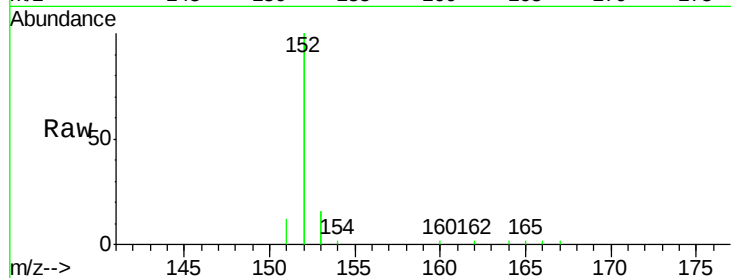
Instrument :

BNA_M

ClientSampleId :

SSTD0.243

Tgt Ion:	152	Resp:	9887
Ion	Ratio	Lower	Upper
152	100		
151	6.2	4.3	6.5
153	16.2	11.9	17.9



#8

Acenaphthene

Concen: 0.20 ng/ul

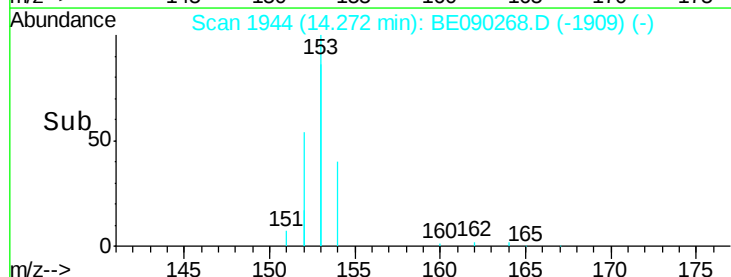
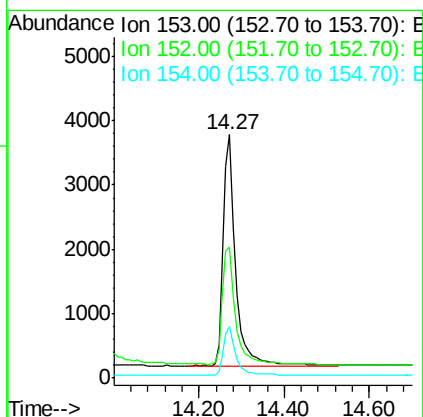
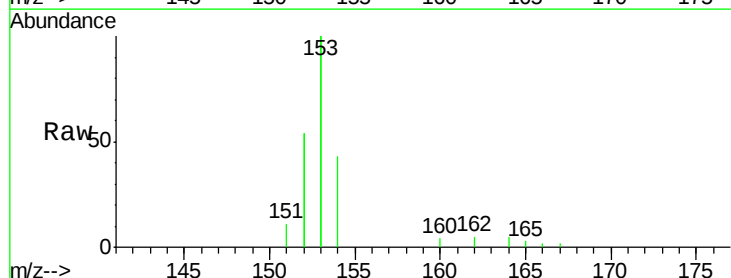
RT: 14.27 min Scan# 1944

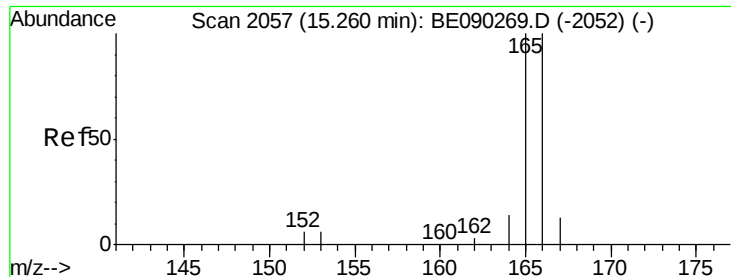
Delta R.T. 0.01 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Tgt Ion:	153	Resp:	7340
Ion	Ratio	Lower	Upper
153	100		
152	53.7	45.7	68.5
154	21.3	16.4	24.6





#9

Fluorene

Concen: 0.19 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

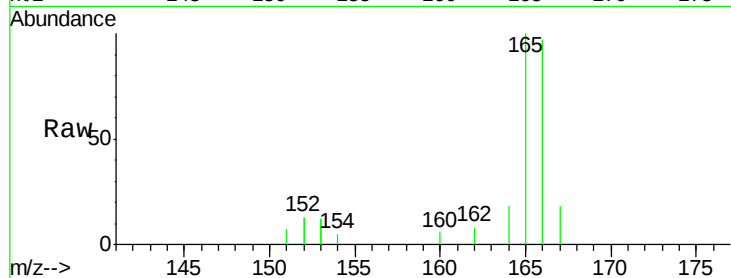
Tgt Ion:166 Resp: 1864

Ion Ratio Lower Upper

166 100

165 103.3 80.3 120.5

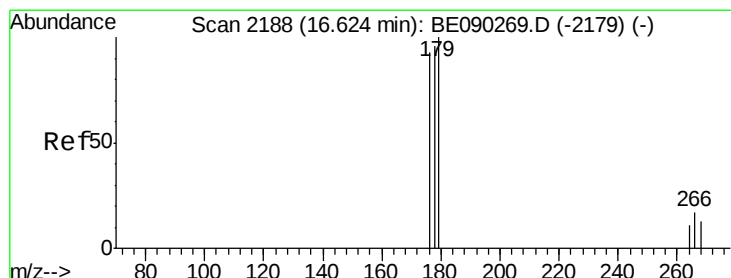
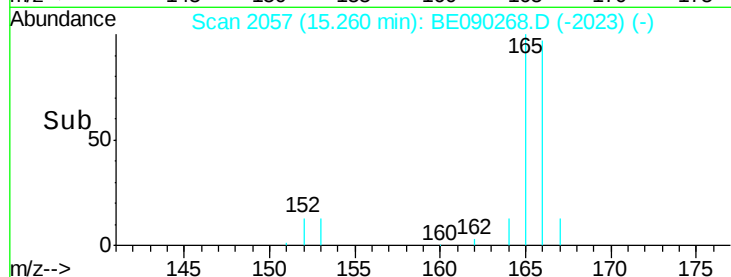
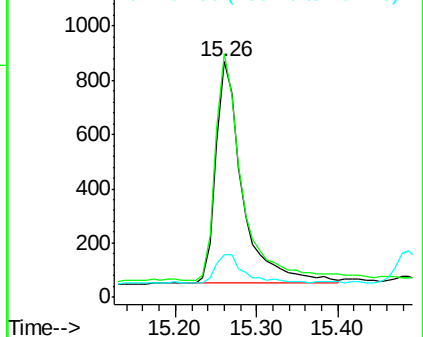
167 18.1 12.4 18.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.65 min Scan# 2190

Delta R.T. 0.02 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

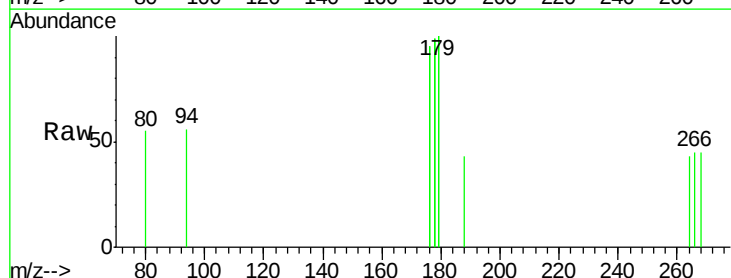
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 125.0 43.4 65.0#

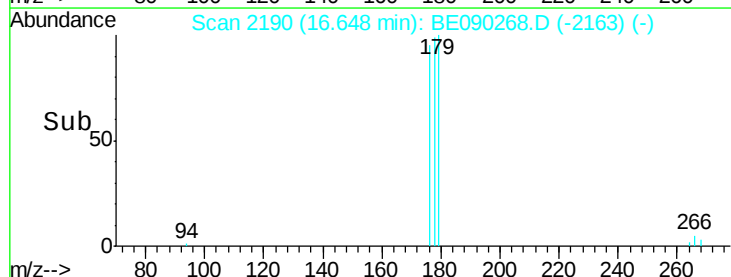
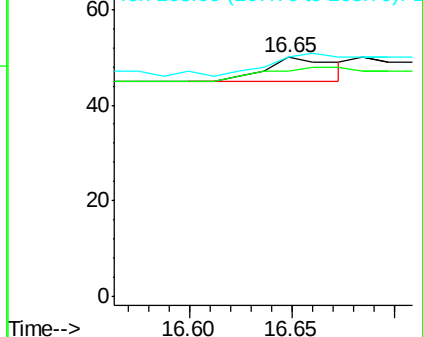
268 208.3 44.6 66.8#

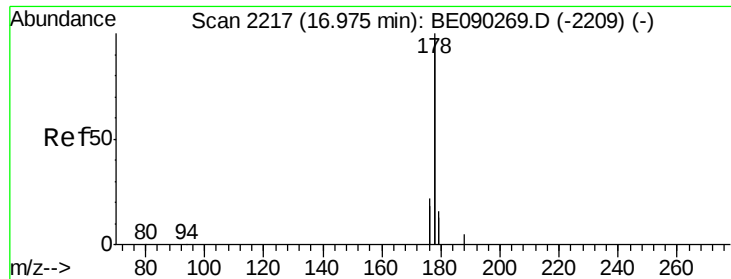


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.19 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

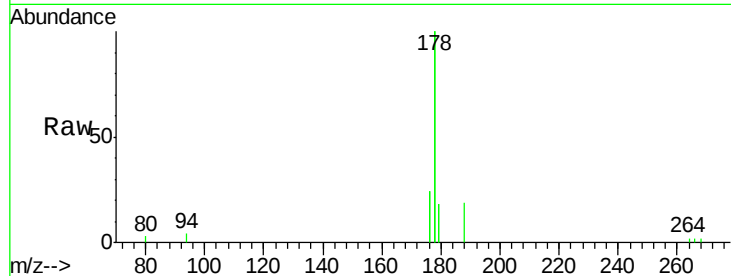
Tgt Ion:178 Resp: 11267

Ion Ratio Lower Upper

178 100

176 23.7 17.3 25.9

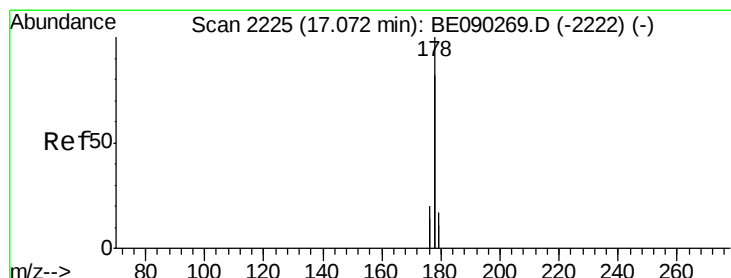
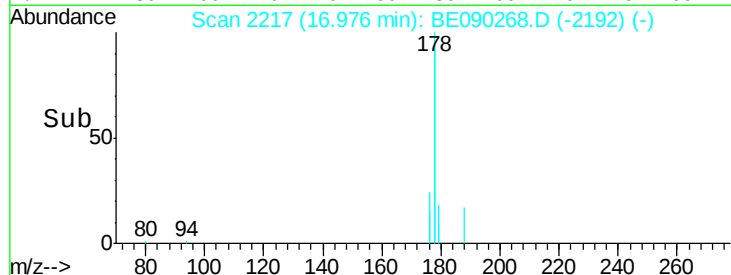
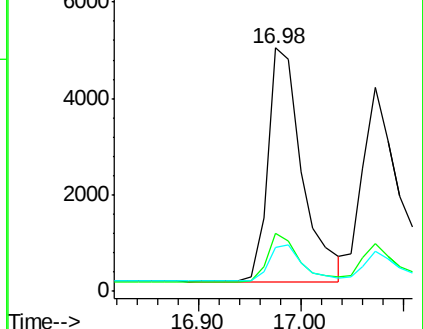
179 17.9 13.1 19.7



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: 0.19 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

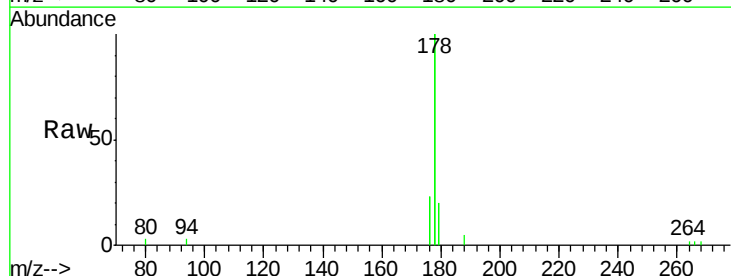
Tgt Ion:178 Resp: 11696

Ion Ratio Lower Upper

178 100

176 23.4 16.4 24.6

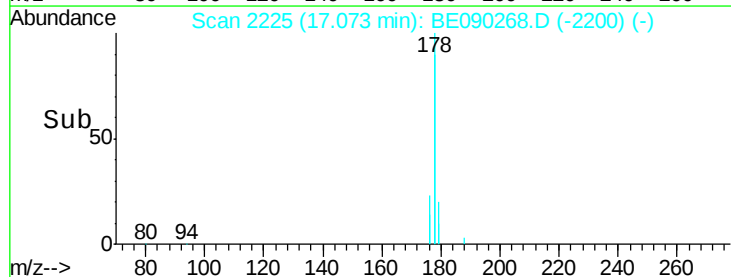
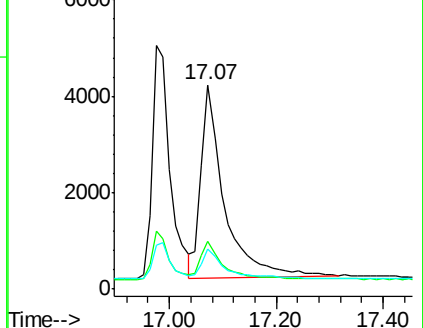
179 19.7 13.9 20.9

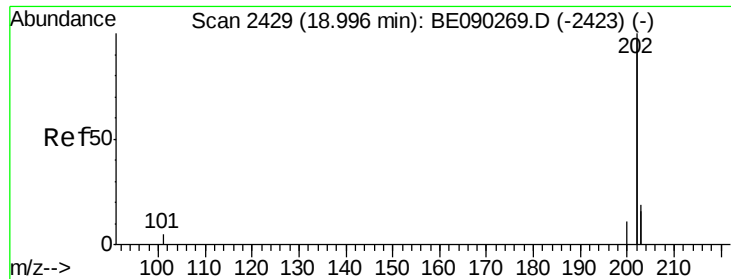


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

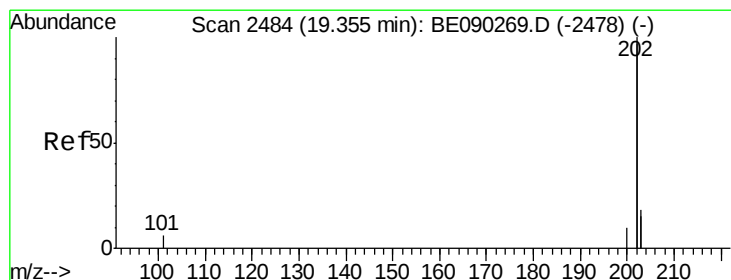
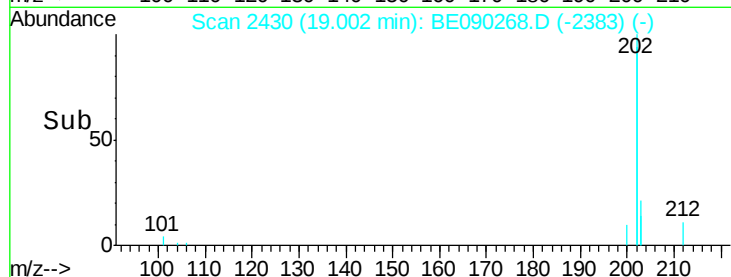
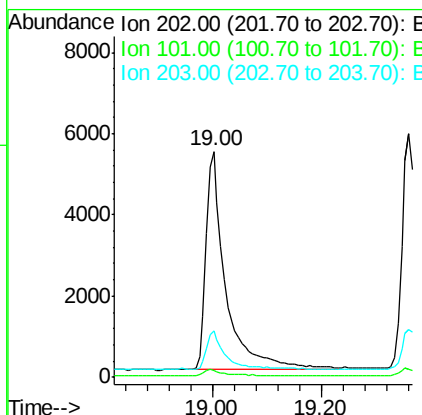
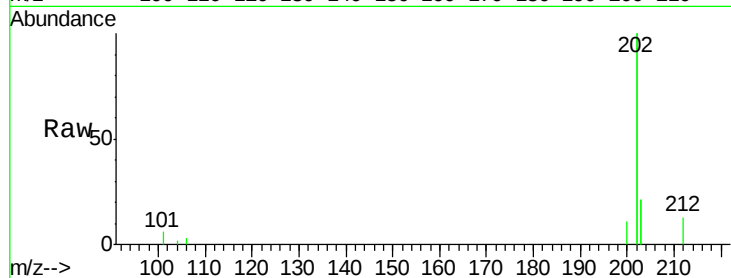




#15
Fluoranthene
 Concen: 0.19 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090268.D
 Acq: 28 Jul 2015 13:05

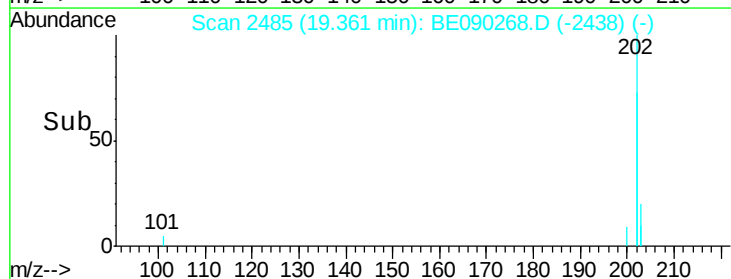
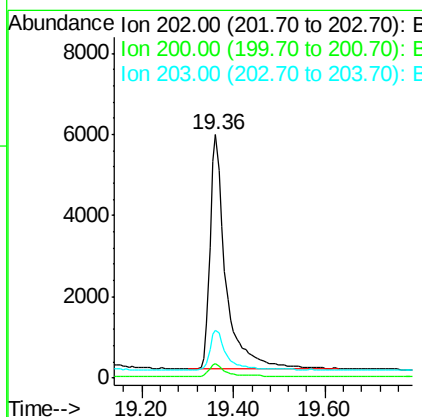
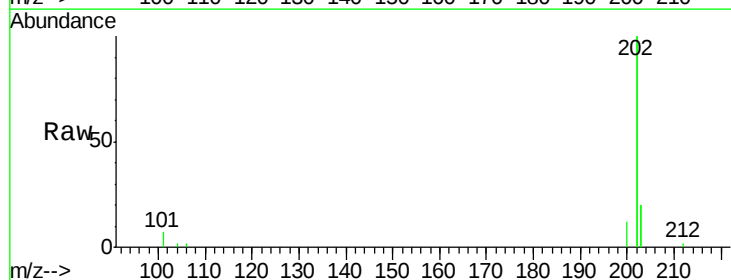
Instrument :
 BNA_M
 ClientSampleId :
 SST0.243

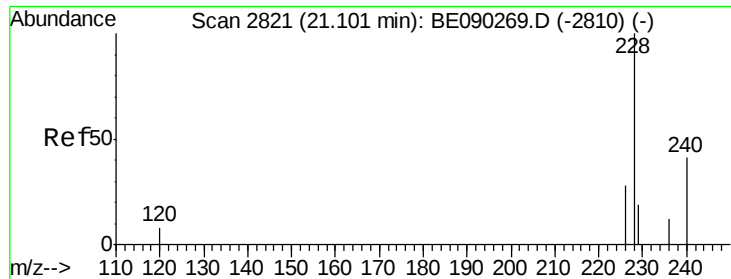
Tgt Ion:202 Resp: 13567
 Ion Ratio Lower Upper
 202 100
 101 3.0 0.0 22.9
 203 20.7 0.0 39.0



#17
Pyrene
 Concen: 0.25 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BE090268.D
 Acq: 28 Jul 2015 13:05

Tgt Ion:202 Resp: 13910
 Ion Ratio Lower Upper
 202 100
 200 5.8 4.5 6.7
 203 19.8 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

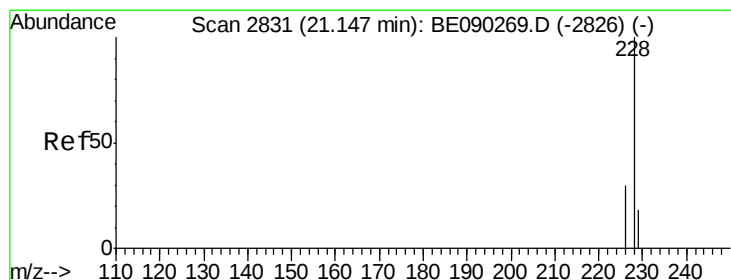
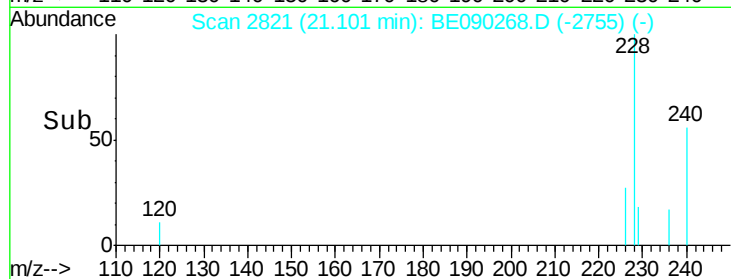
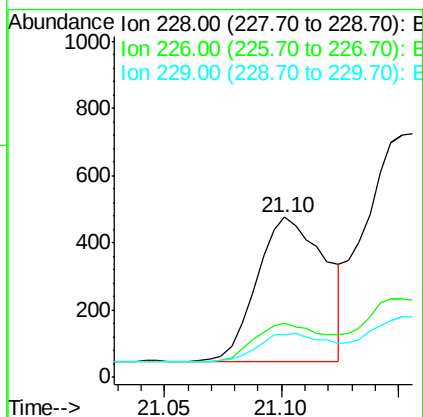
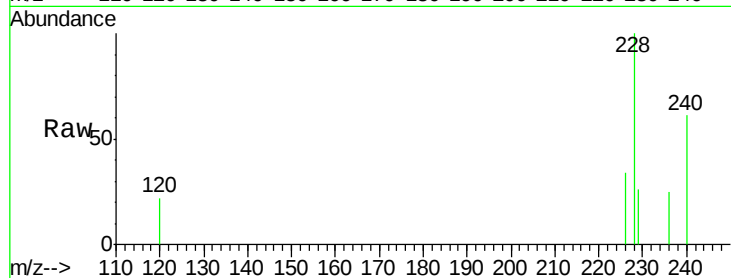
Tgt Ion:228 Resp: 878

Ion Ratio Lower Upper

228 100

226 34.0 24.6 36.8

229 26.3 17.9 26.9



#19

Chrysene

Concen: 0.20 ng/ul

RT: 21.16 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

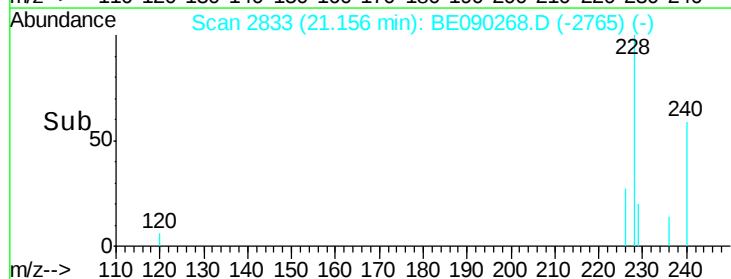
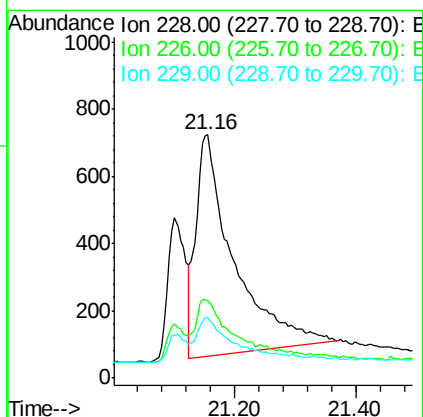
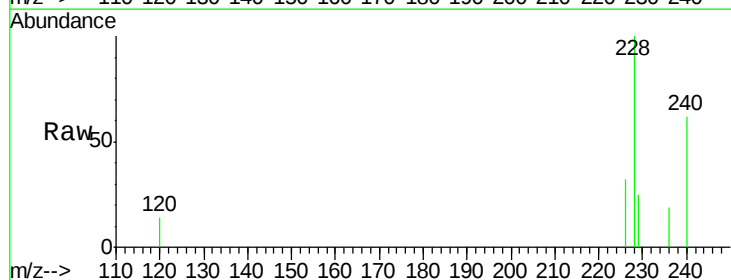
Tgt Ion:228 Resp: 2842

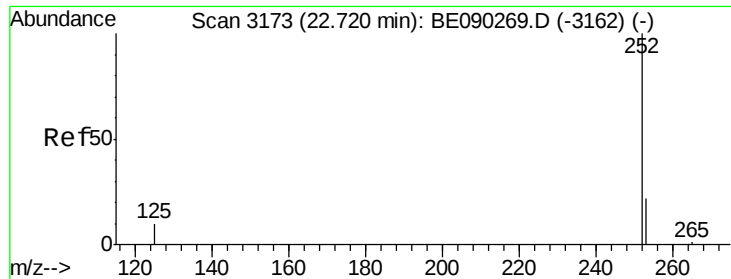
Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

229 24.9 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.18 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

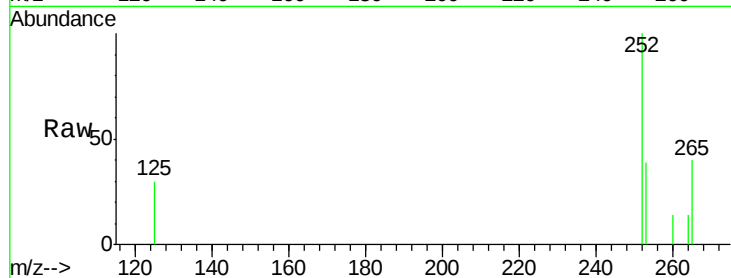
Tgt Ion:252 Resp: 675

Ion Ratio Lower Upper

252 100

253 38.9 0.0 57.2

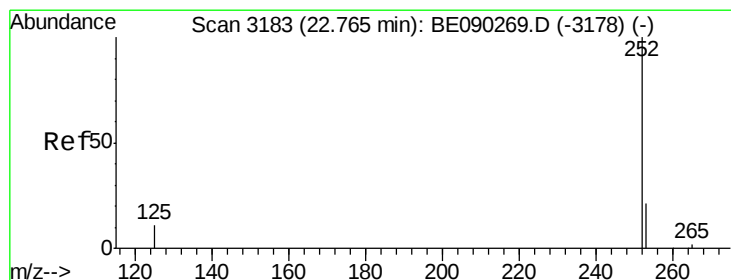
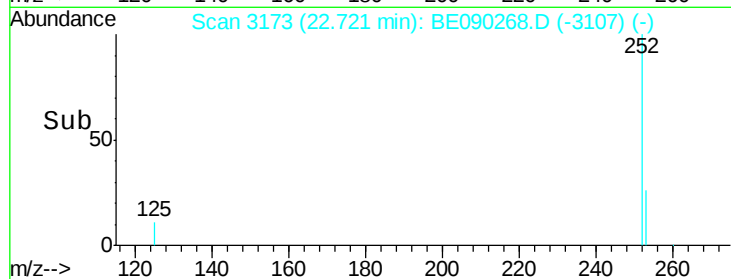
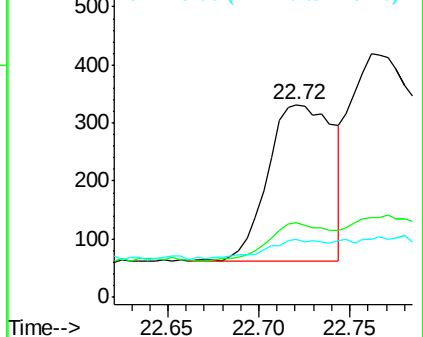
125 29.8 0.0 34.6



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: 0.14 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

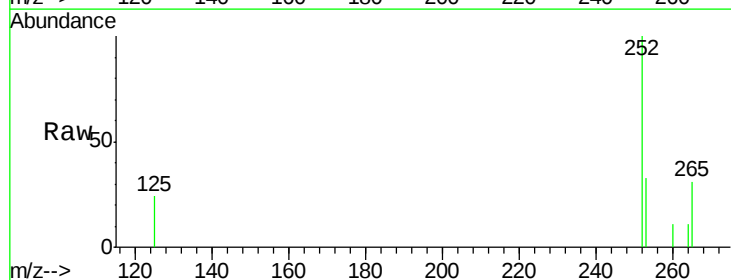
Tgt Ion:252 Resp: 1661

Ion Ratio Lower Upper

252 100

253 32.9 21.3 31.9#

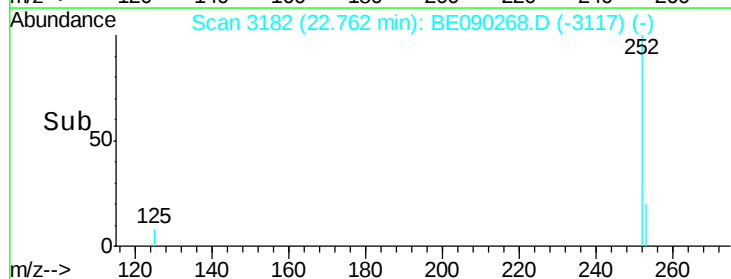
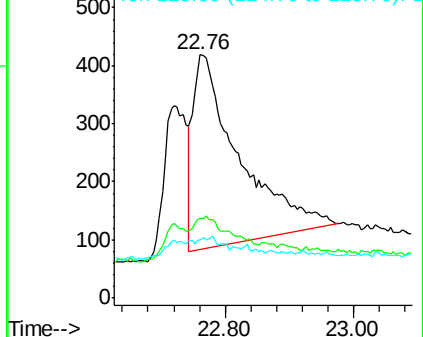
125 23.6 13.3 19.9#

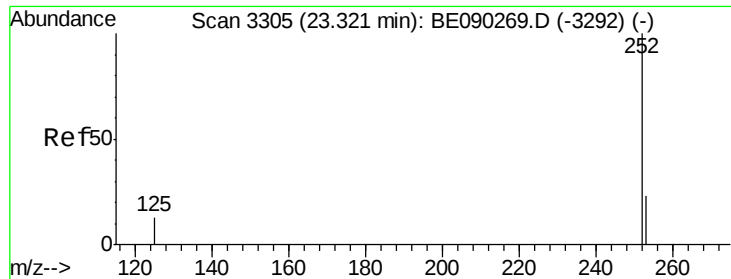


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.13 ng/u1

RT: 23.33 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

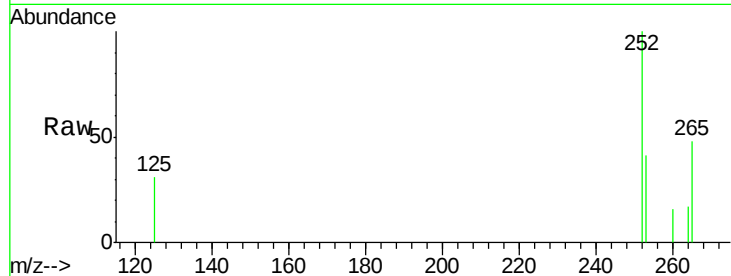
Tgt Ion:252 Resp: 689

Ion Ratio Lower Upper

252 100

253 41.0 24.9 37.3#

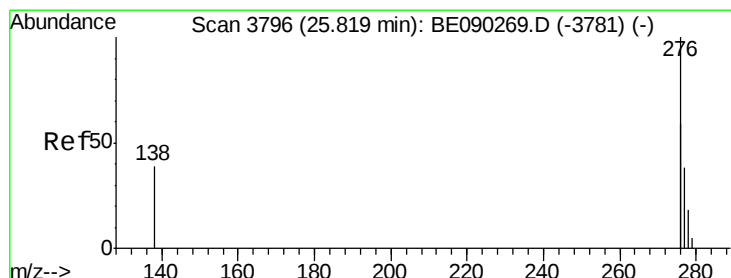
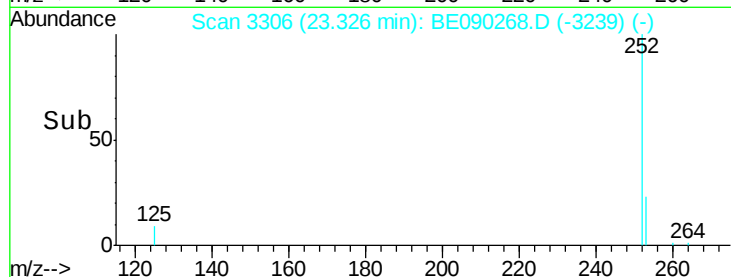
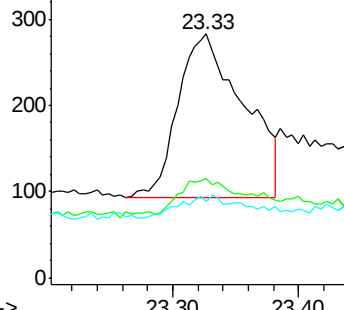
125 31.4 17.5 26.3#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng/u1

RT: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

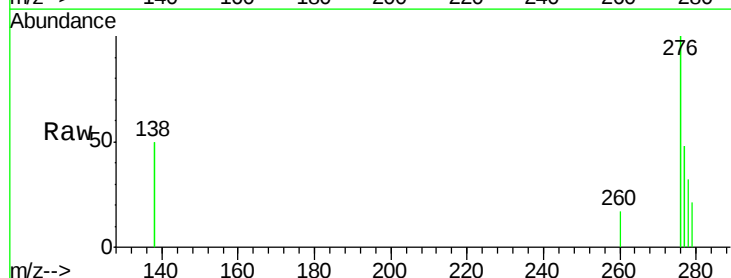
Tgt Ion:276 Resp: 2890

Ion Ratio Lower Upper

276 100

138 16.7 13.5 20.3

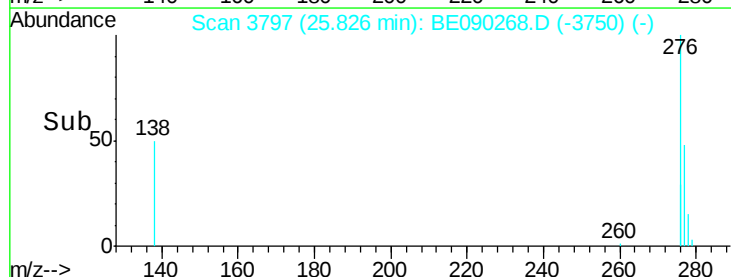
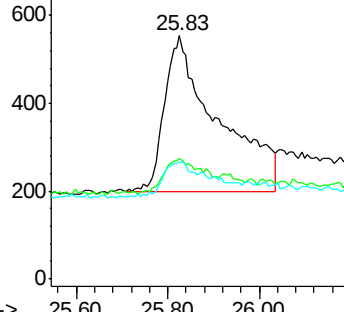
277 12.5 16.4 24.6#

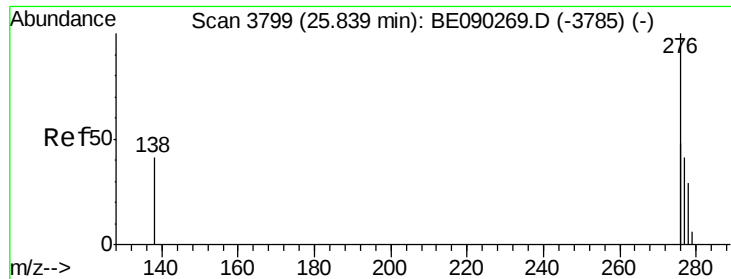


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.14 ng/ul

RT: 25.84 min Scan# 3799

Delta R.T. 0.00 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.243

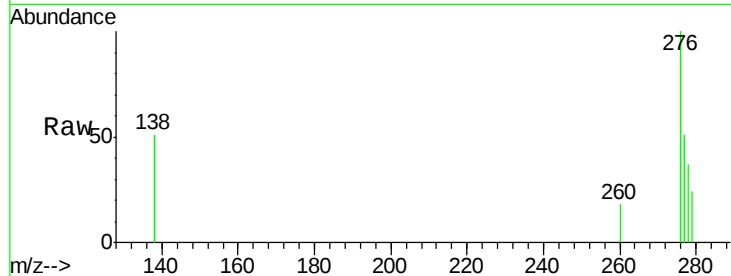
Tgt Ion:278 Resp: 319

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

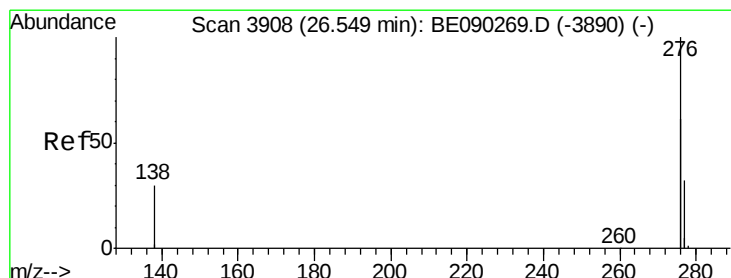
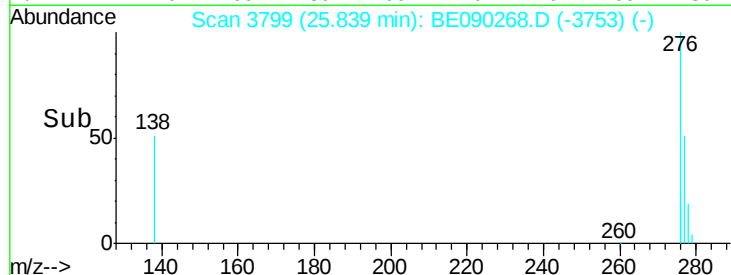
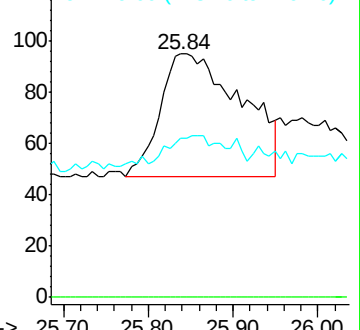
279 65.3 37.4 56.0#



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



#26

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 26.54 min Scan# 3907

Delta R.T. -0.01 min

Lab File: BE090268.D

Acq: 28 Jul 2015 13:05

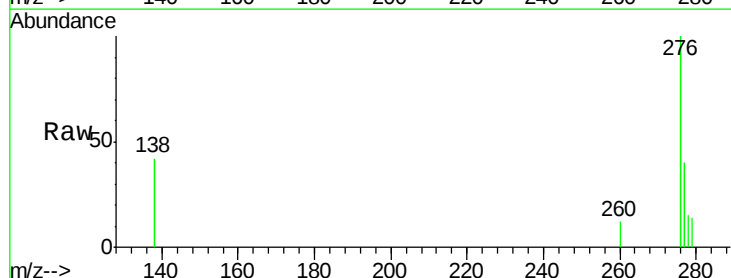
Tgt Ion:276 Resp: 4016

Ion Ratio Lower Upper

276 100

277 40.3 25.5 38.3#

138 41.8 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

