

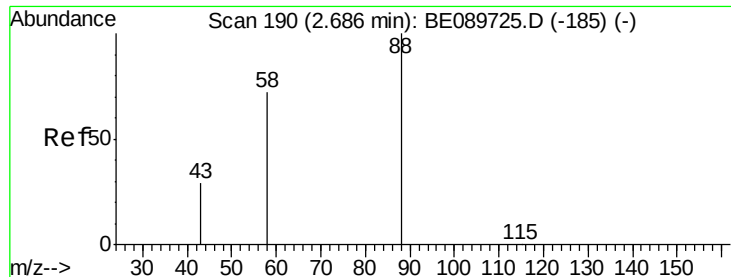
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
 Data File : BE089727.D
 Acq On : 3 Mar 2015 13:47
 Operator : TP/JJ
 Sample : SSTD0105
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0105

Quant Time: Mar 04 04:18:09 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 04:08:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	6179	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	26027	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	13238	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	20964	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	16894	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	10971	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.62	96	59684	8.31	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	13.87	152	29057	0.93	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	38500	0.99	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.67	88	74543	9.41	ng/ul	99
5) Naphthalene	12.28	128	60094	1.02	ng/ul	99
7) 2-Methylnaphthalene	13.94	142	36941	1.01	ng/ul	100
9) Acenaphthylene	16.05	152	197234	1.12	ng/ul	99
10) Acenaphthene	16.47	153	135689	1.01	ng/ul	99
11) Fluorene	17.72	166	37068	0.98	ng/ul	99
13) Pentachlorophenol	19.42	266	988	0.95	ng/ul	98
14) Phenanthrene	19.80	178	217488	1.04	ng/ul	98
15) Anthracene	19.89	178	196398	1.17	ng/ul	99
17) Fluoranthene	21.72	202	217582	1.04	ng/ul	98
19) Pyrene	22.03	202	214771	1.14	ng/ul	99
20) Benzo(a)anthracene	23.64	228	28383	1.28	ng/ul	97
21) Chrysene	23.68	228	47672	0.99	ng/ul	99
23) Benzo(b)fluoranthene	24.91	252	14515	1.36	ng/ul	96
24) Benzo(k)fluoranthene	24.93	252	43275	1.18	ng/ul	97
25) Benzo(a)pyrene	25.27	252	18544	1.18	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	26.73	276	79947	1.23	ng/ul#	55
27) Dibenzo(a,h)anthracene	26.76	278	14932	1.26	ng/ul	89
28) Benzo(g,h,i)perylene	27.15	276	89956	1.09	ng/ul	95

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



#3

1,4-Dioxane

Concen: 9.41 ng/ul

RT: 2.67 min Scan# 188

Delta R.T. -0.01 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

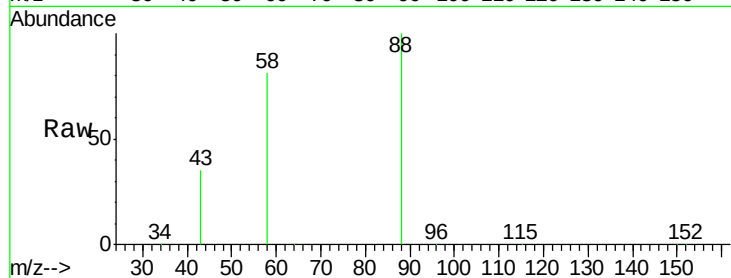
Tgt Ion: 88 Resp: 74543

Ion Ratio Lower Upper

88 100

58 77.7 61.3 91.9

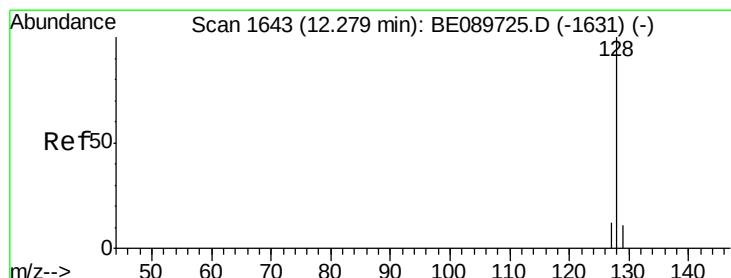
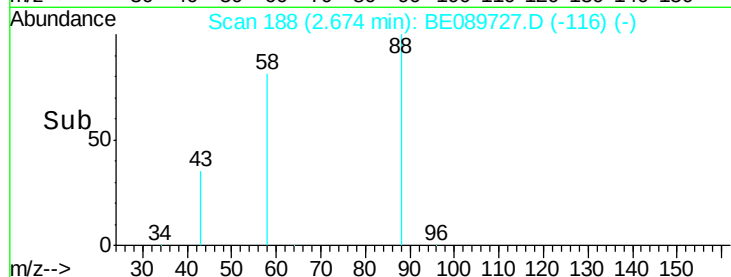
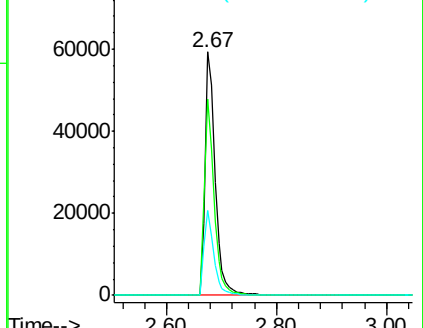
43 33.5 26.1 39.1



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



#5

Naphthalene

Concen: 1.02 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

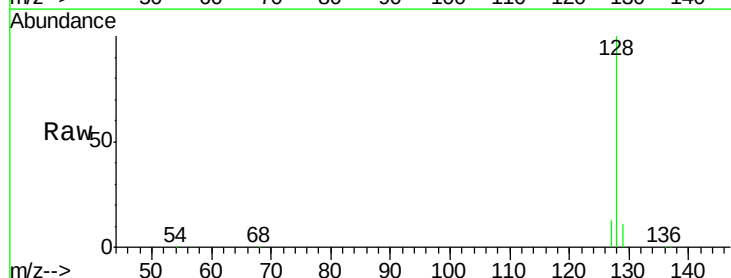
Tgt Ion: 128 Resp: 60094

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

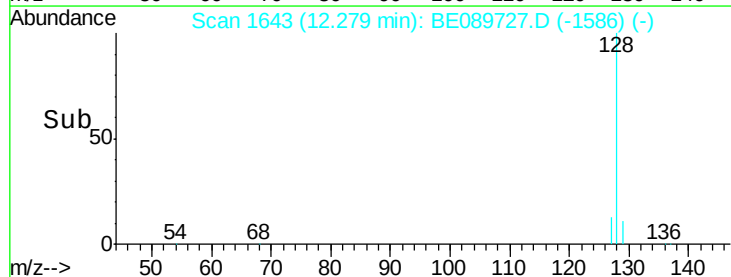
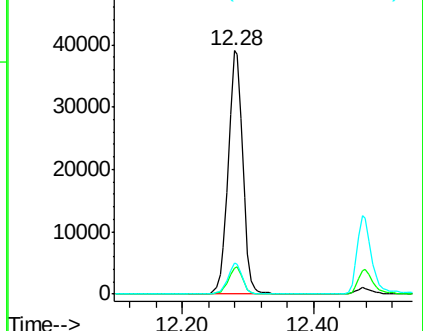
127 12.6 10.2 15.4

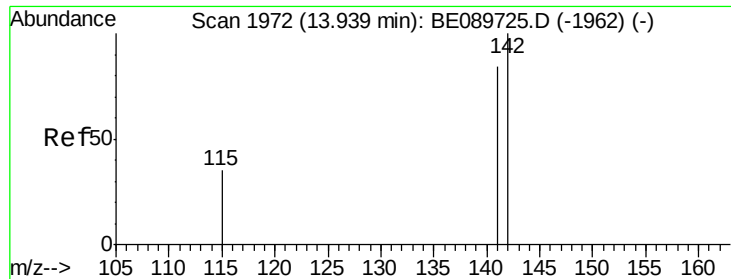


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.01 ng/ul

RT: 13.94 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

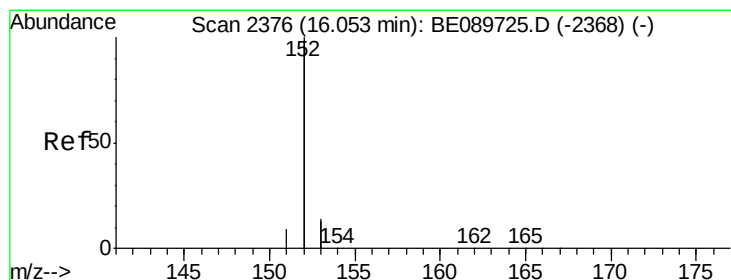
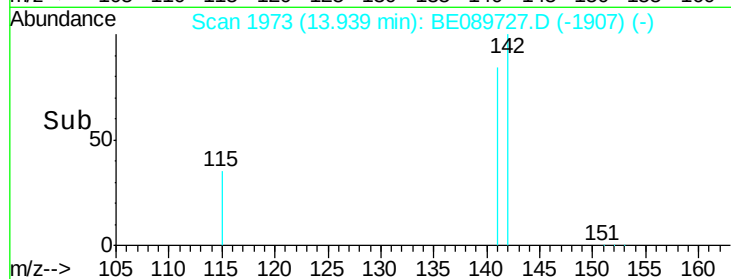
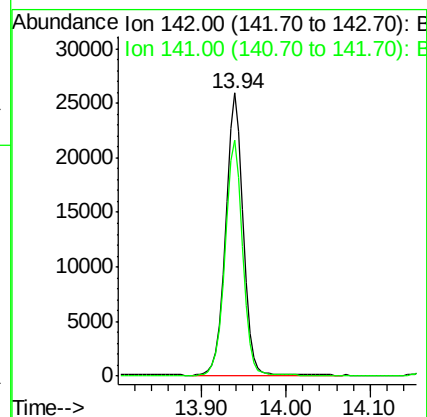
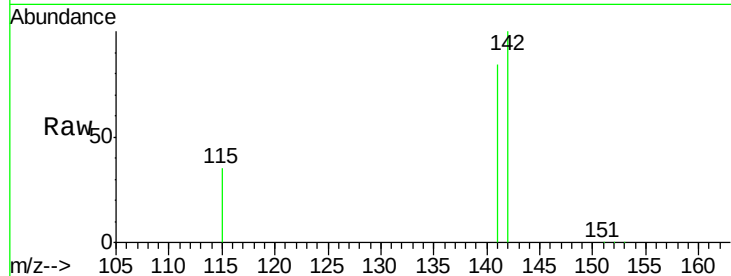
SSTD0105

Tgt Ion:142 Resp: 36941

Ion Ratio Lower Upper

142 100

141 84.6 67.4 101.0



#9

Acenaphthylene

Concen: 1.12 ng/ul

RT: 16.05 min Scan# 2377

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

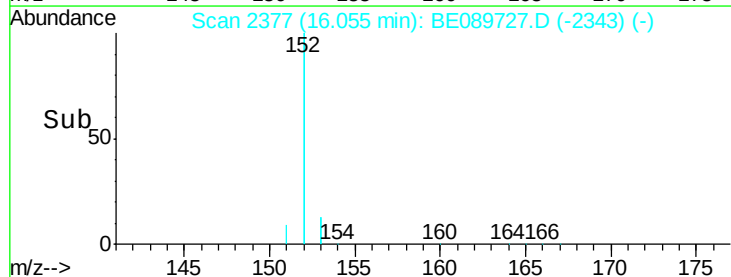
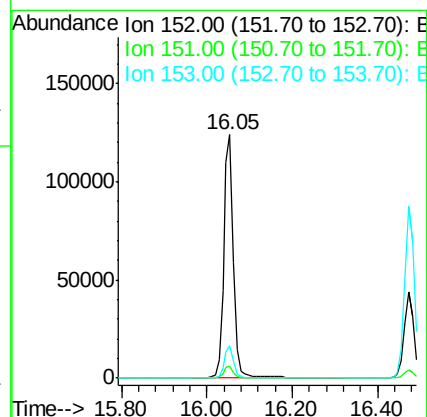
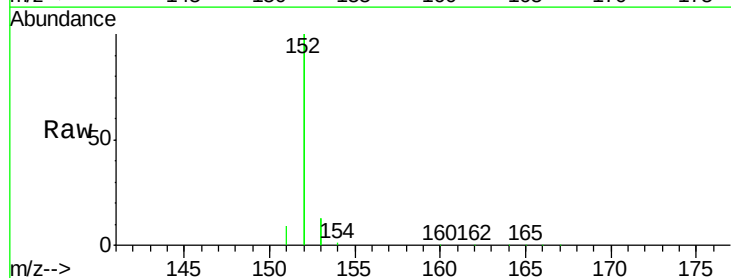
Tgt Ion:152 Resp: 197234

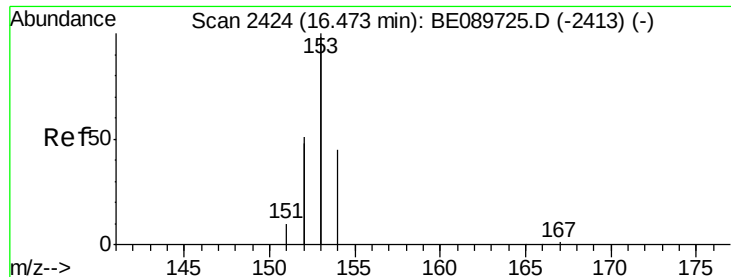
Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.8

153 13.4 11.4 17.0





#10

Acenaphthene

Concen: 1.01 ng/ul

RT: 16.47 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

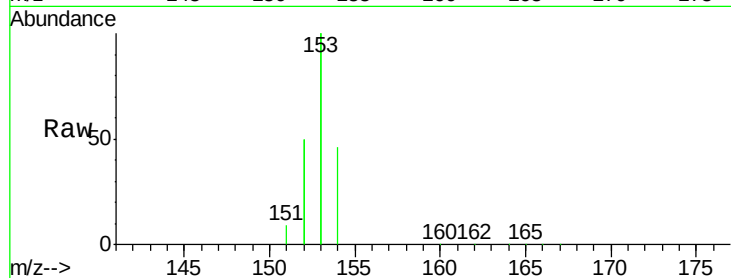
Tgt Ion:153 Resp: 135689

Ion Ratio Lower Upper

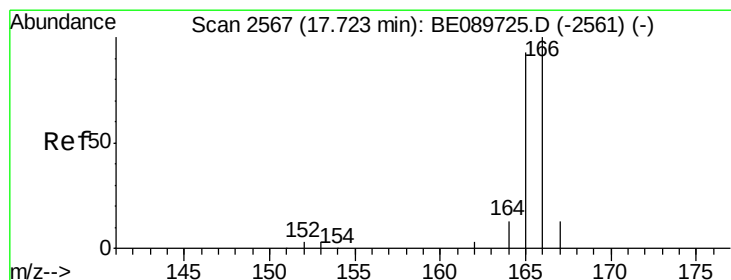
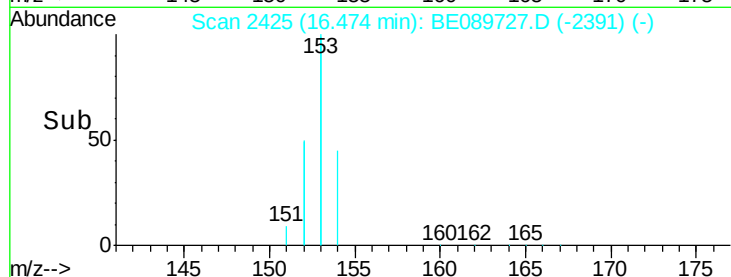
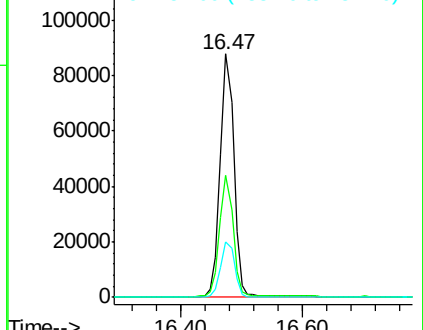
153 100

152 50.1 41.2 61.8

154 22.8 18.2 27.2



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: 0.98 ng/ul

RT: 17.72 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

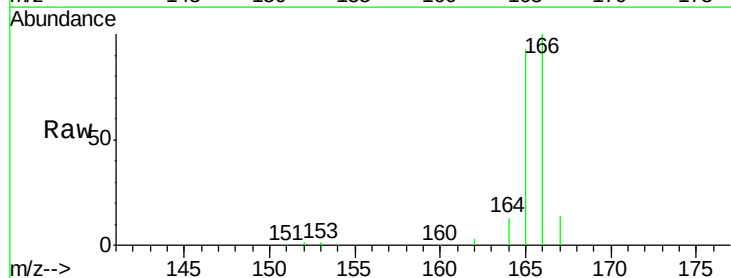
Tgt Ion:166 Resp: 37068

Ion Ratio Lower Upper

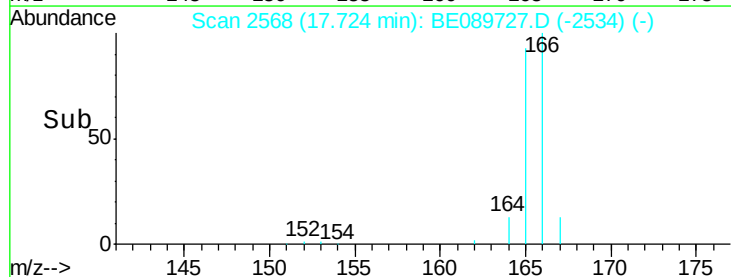
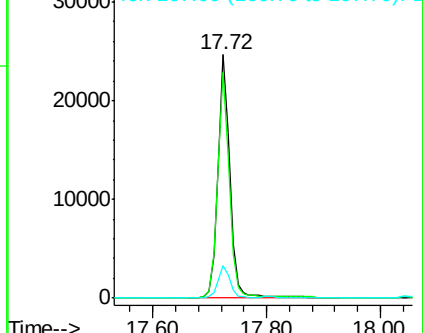
166 100

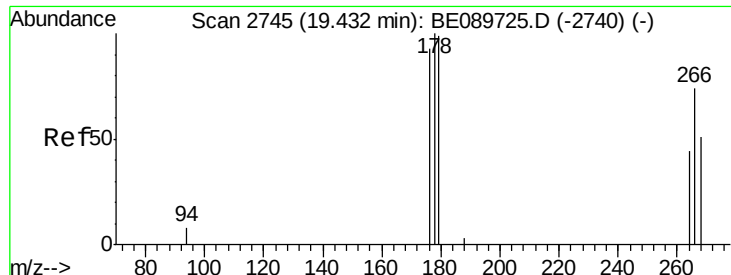
165 92.6 74.9 112.3

167 13.5 11.5 17.3



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

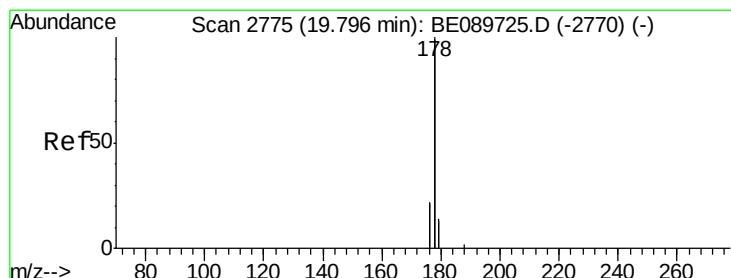
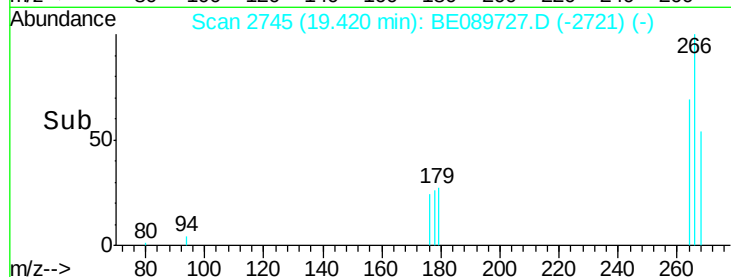
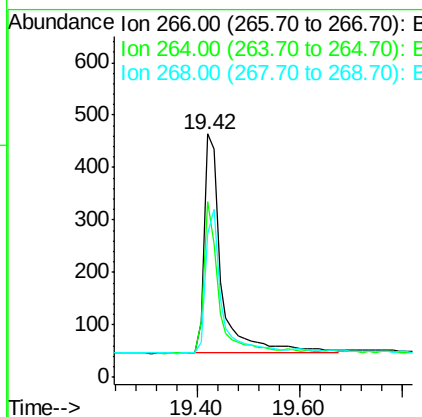
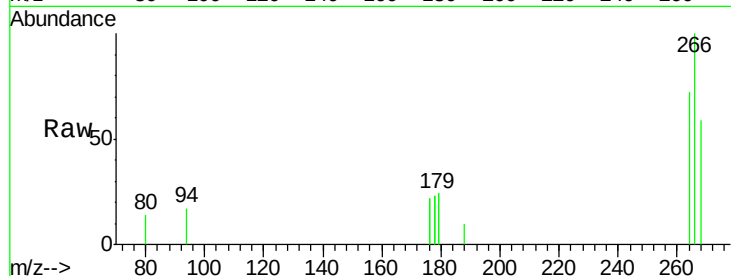




#13
 Pentachlorophenol
 Concen: 0.95 ng/ul
 RT: 19.42 min Scan# 2745
 Delta R.T. -0.01 min
 Lab File: BE089727.D
 Acq: 3 Mar 2015 13:47

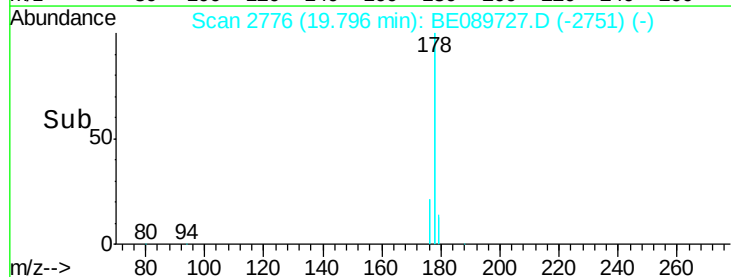
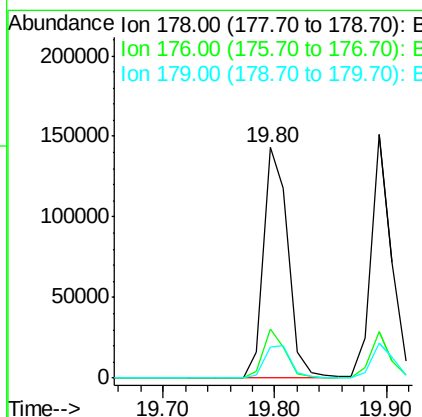
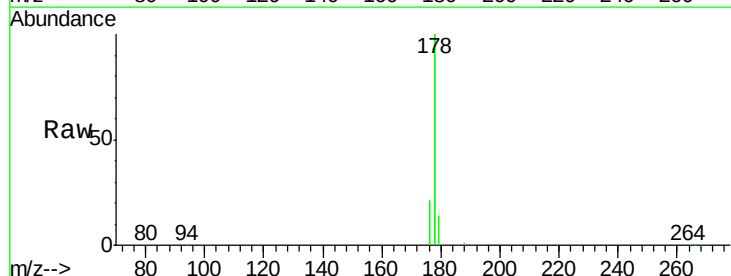
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0105

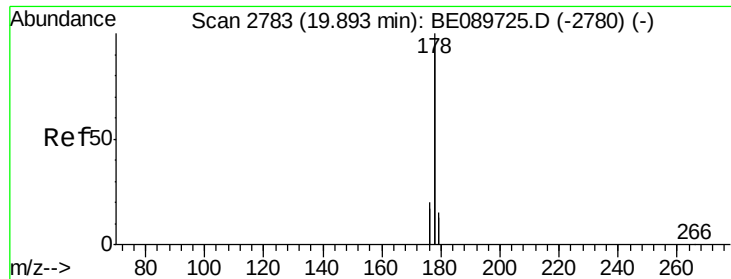
Tgt Ion: 266 Resp: 988
 Ion Ratio Lower Upper
 266 100
 264 63.0 49.4 74.2
 268 61.8 47.9 71.9



#14
 Phenanthrene
 Concen: 1.04 ng/ul
 RT: 19.80 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: BE089727.D
 Acq: 3 Mar 2015 13:47

Tgt Ion: 178 Resp: 217488
 Ion Ratio Lower Upper
 178 100
 176 21.2 17.6 26.4
 179 13.8 11.6 17.4





#15

Anthracene

Concen: 1.17 ng/ul

RT: 19.89 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

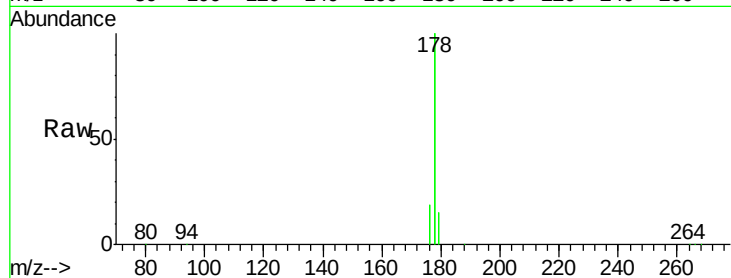
Tgt Ion:178 Resp: 196398

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

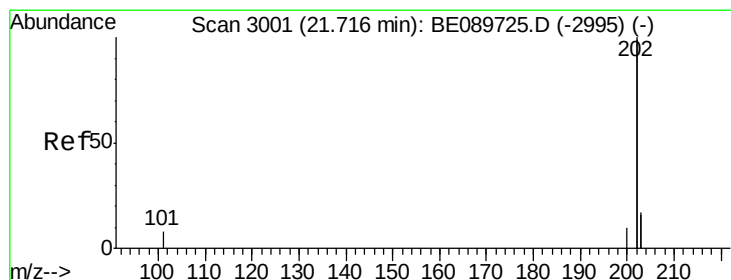
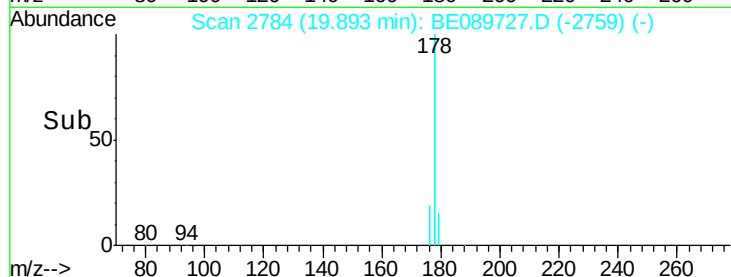
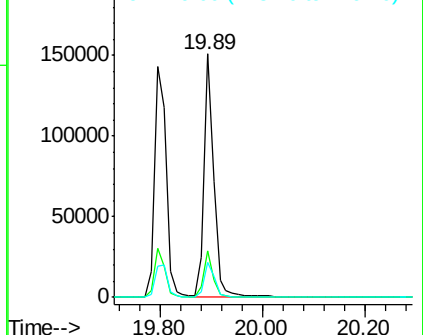
179 14.6 12.0 18.0



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: 1.04 ng/ul

RT: 21.72 min Scan# 3002

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

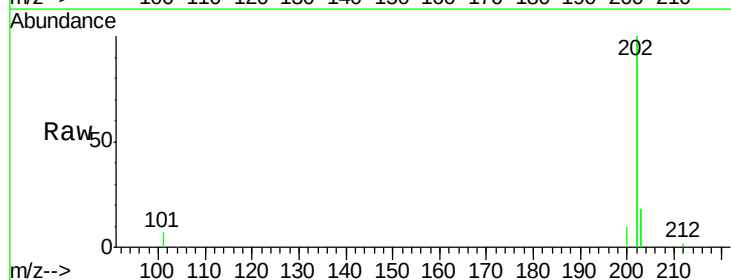
Tgt Ion:202 Resp: 217582

Ion Ratio Lower Upper

202 100

101 3.5 0.0 24.2

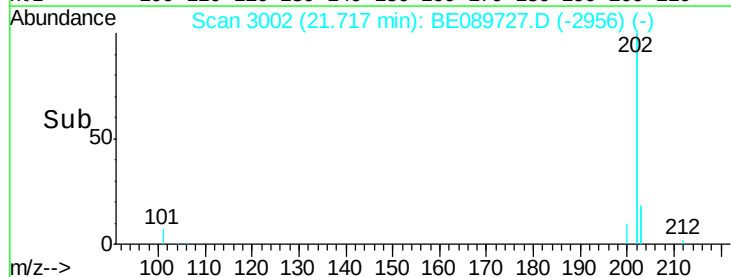
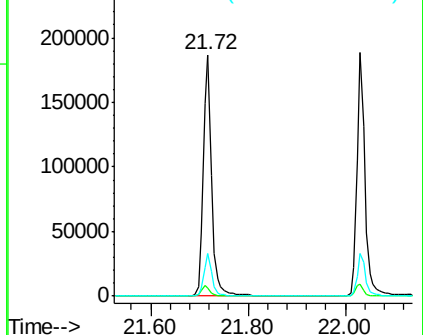
203 17.9 0.0 37.0

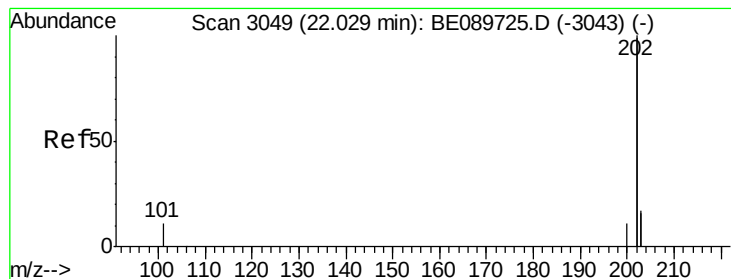


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.14 ng/ul

RT: 22.03 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

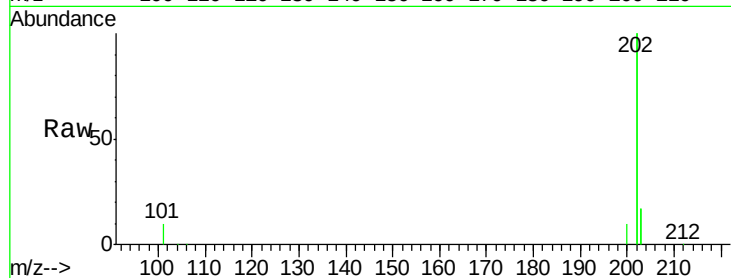
Tgt Ion:202 Resp: 214771

Ion Ratio Lower Upper

202 100

200 5.2 4.4 6.6

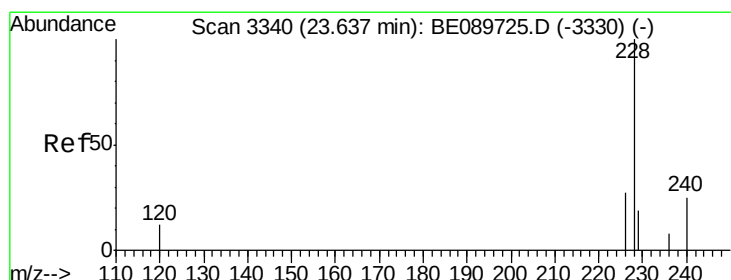
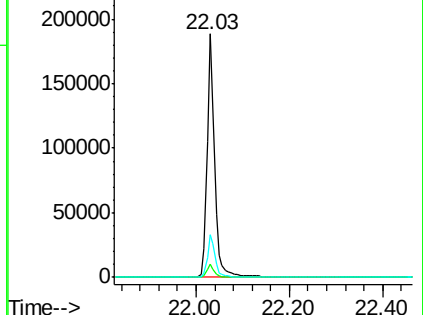
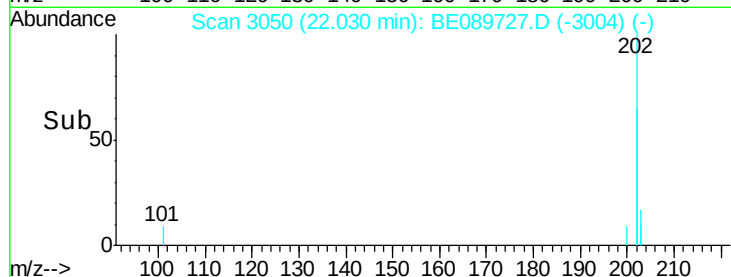
203 17.3 13.6 20.4



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: 1.28 ng/ul

RT: 23.64 min Scan# 3341

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

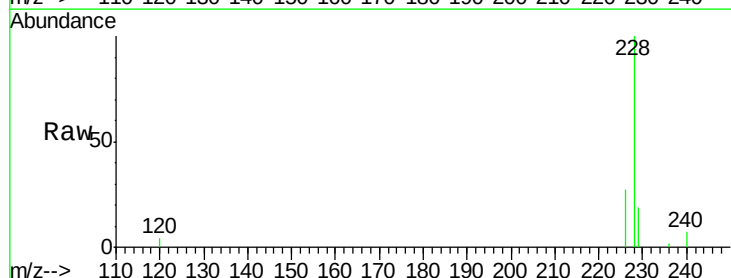
Tgt Ion:228 Resp: 28383

Ion Ratio Lower Upper

228 100

226 26.9 22.8 34.2

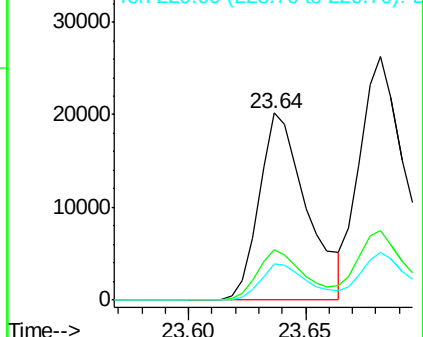
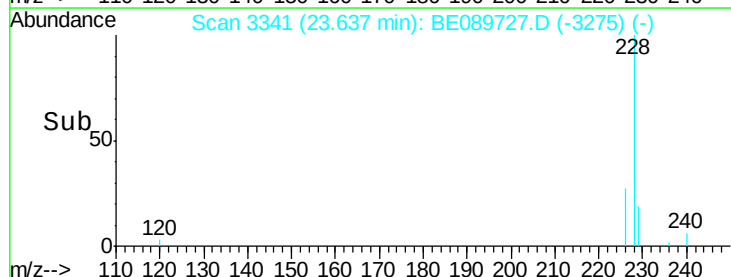
229 19.3 16.2 24.2

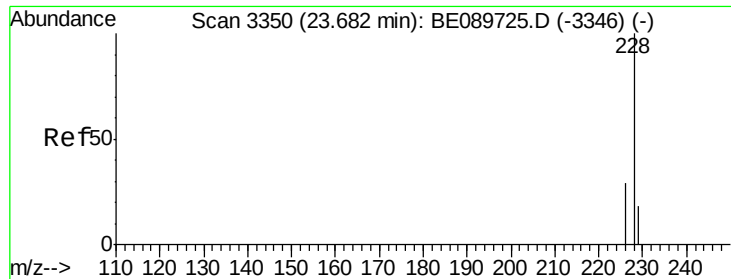


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.99 ng/ul

RT: 23.68 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

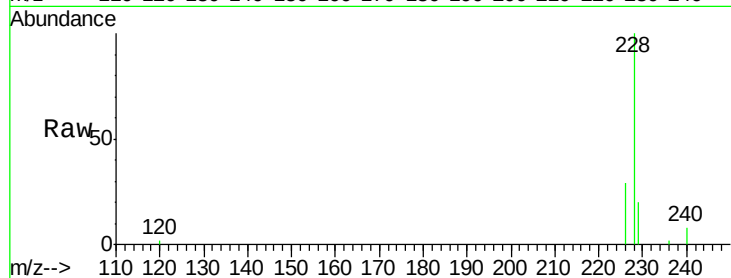
Tgt Ion:228 Resp: 47672

Ion Ratio Lower Upper

228 100

226 28.6 23.7 35.5

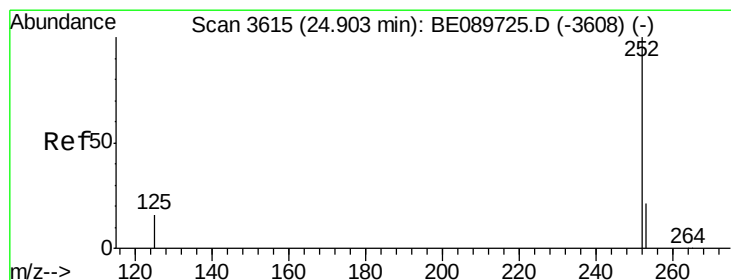
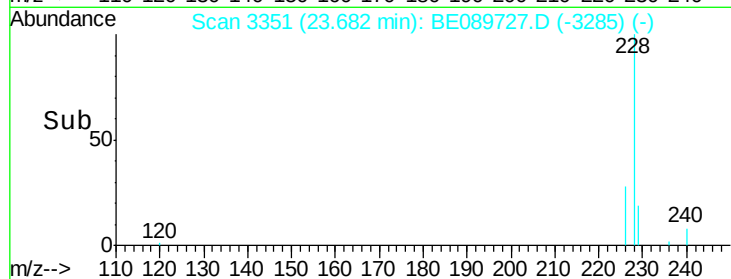
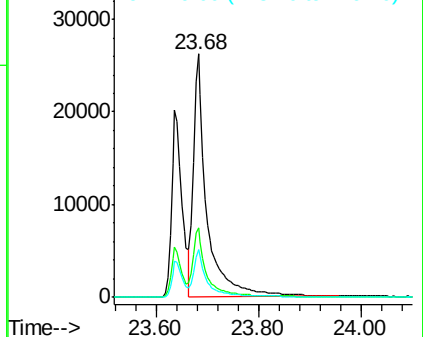
229 19.6 15.5 23.3



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



#23

Benzo(b)fluoranthene

Concen: 1.36 ng/ul

RT: 24.91 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

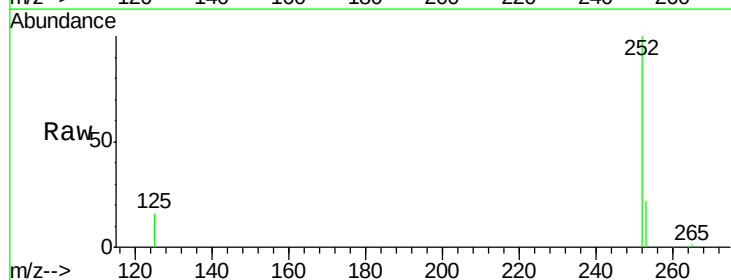
Tgt Ion:252 Resp: 14515

Ion Ratio Lower Upper

252 100

253 22.2 0.0 47.0

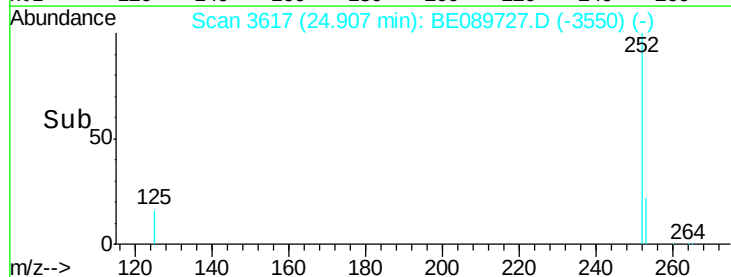
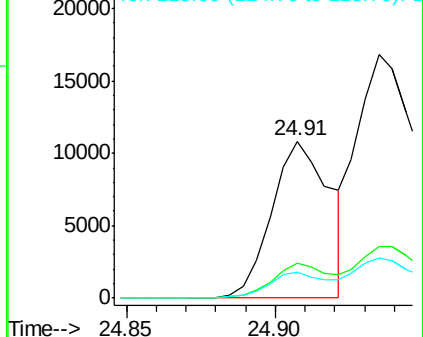
125 16.4 0.0 37.8

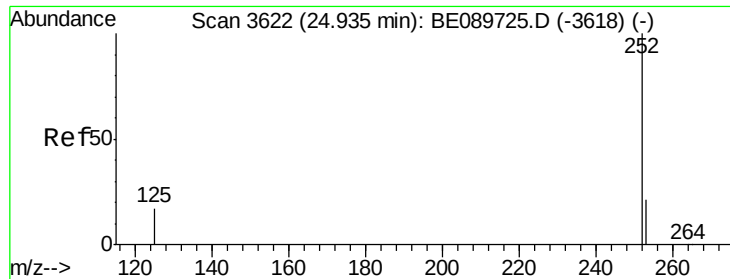


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.18 ng/ul

RT: 24.93 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

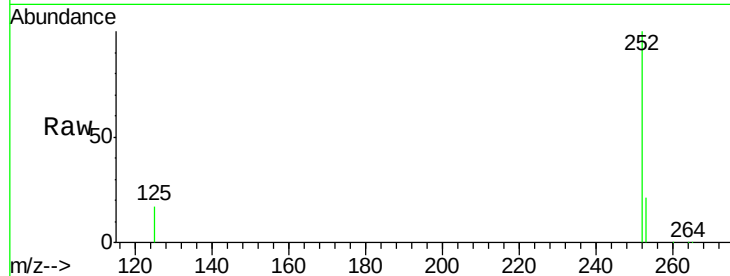
Tgt Ion:252 Resp: 43275

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.4

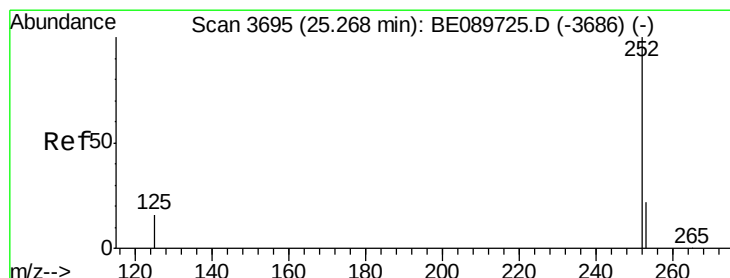
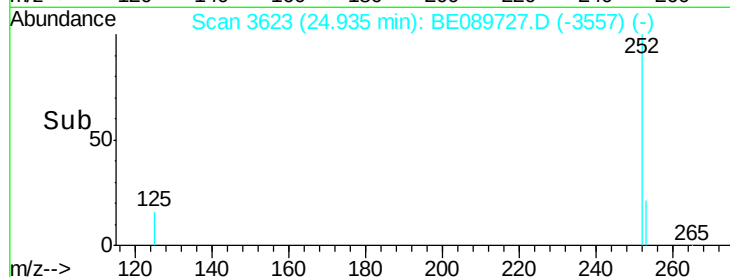
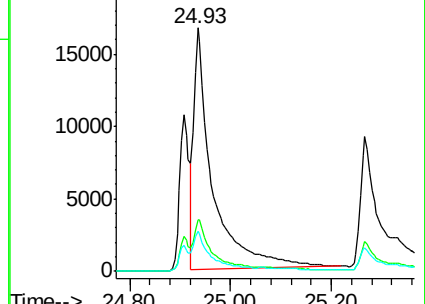
125 16.6 14.6 22.0



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: 1.18 ng/ul

RT: 25.27 min Scan# 3696

Delta R.T. -0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

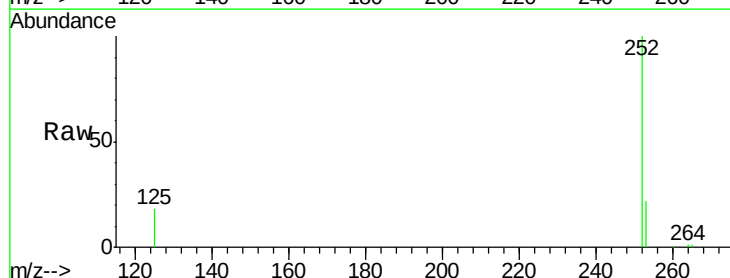
Tgt Ion:252 Resp: 18544

Ion Ratio Lower Upper

252 100

253 21.8 19.8 29.6

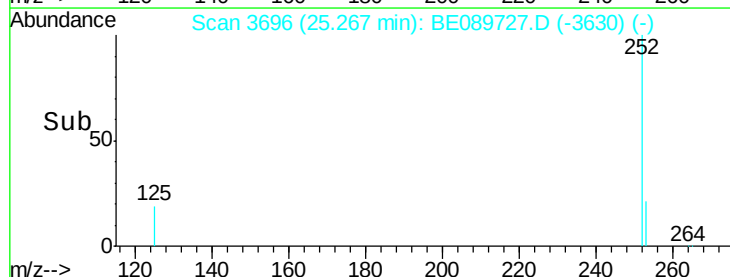
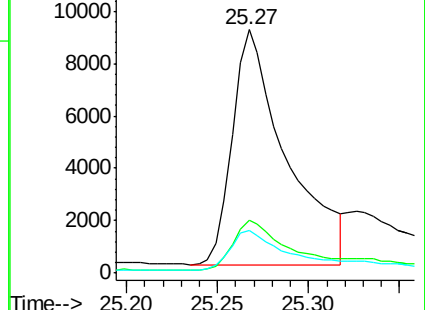
125 17.8 16.0 24.0

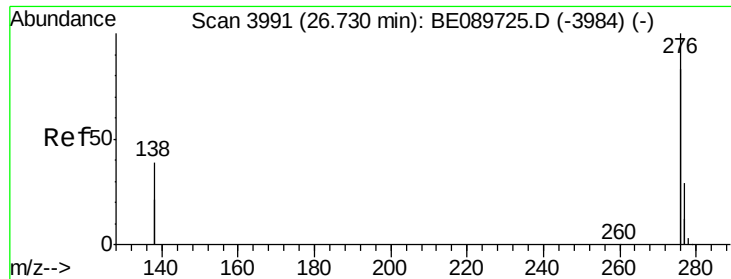


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.23 ng/ul

RT: 26.73 min Scan# 3993

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105

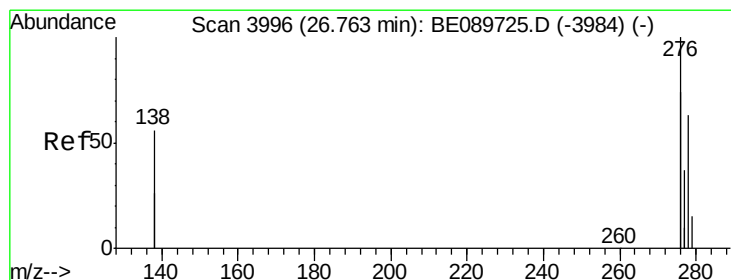
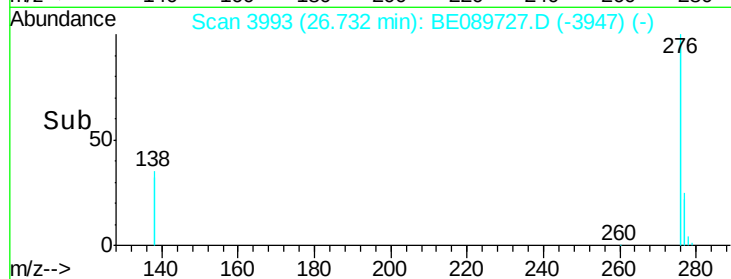
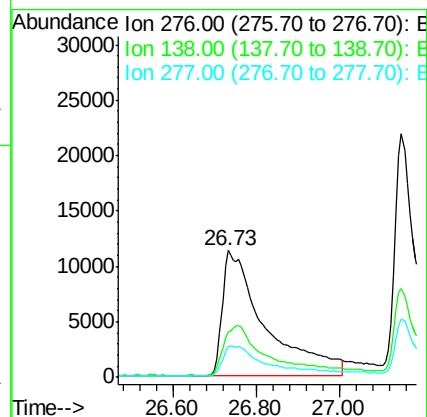
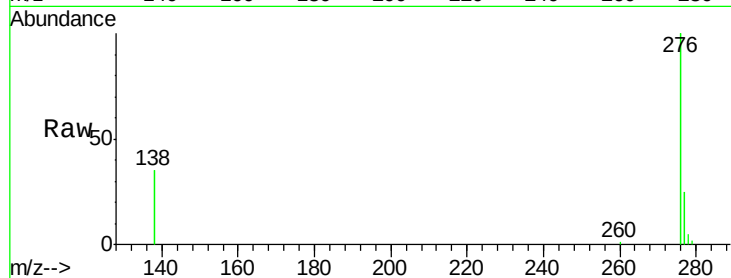
Tgt Ion:276 Resp: 79947

Ion Ratio Lower Upper

276 100

138 0.0 36.8 55.2#

277 24.6 20.6 31.0



#27

Dibenzo(a,h)anthracene

Concen: 1.26 ng/ul

RT: 26.76 min Scan# 3998

Delta R.T. 0.00 min

Lab File: BE089727.D

Acq: 3 Mar 2015 13:47

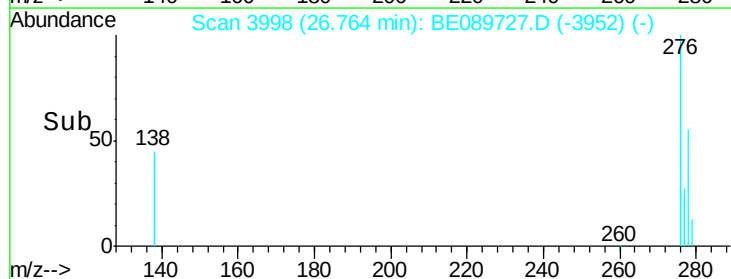
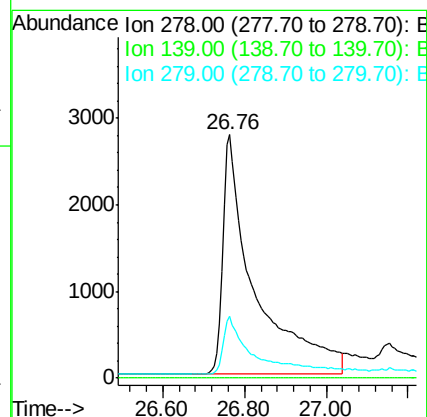
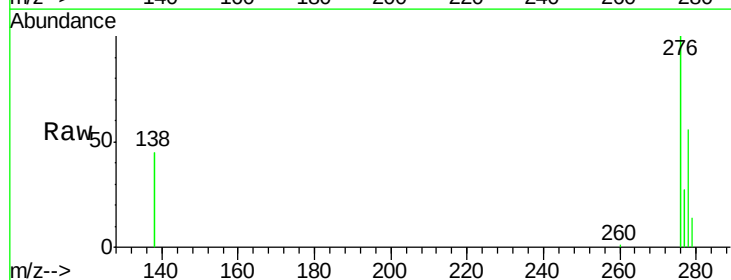
Tgt Ion:278 Resp: 14932

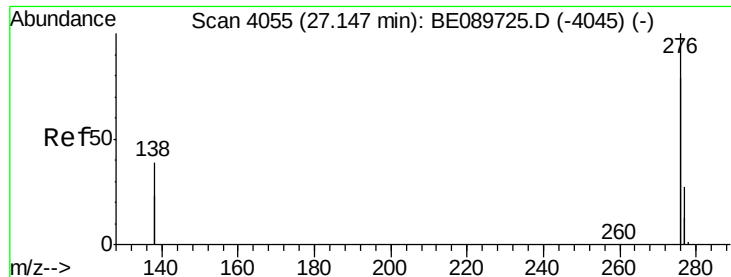
Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 25.5 25.4 38.2





#28

Benzo(g,h,i)perylene

Concen: 1.09 ng/ul

RT: 27.15 min Scan# 4057

Delta R.T. 0.00 min

Lab File: BE089727.D

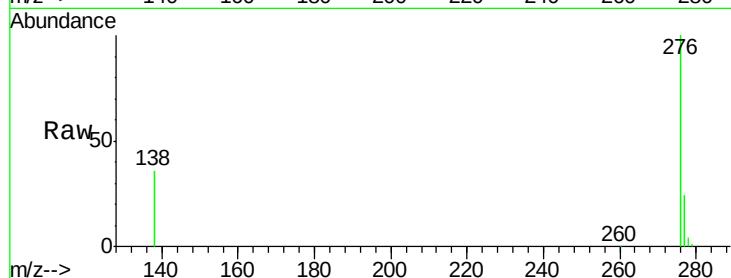
Acq: 3 Mar 2015 13:47

Instrument :

BNA_E

ClientSampleId :

SSTD0105



Tgt Ion: 276 Resp: 89956

Ion Ratio Lower Upper

276 100

277 24.1 21.4 32.2

138 36.4 31.4 47.0

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

