

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
 Data File : BE089723.D
 Acq On : 3 Mar 2015 11:11
 Operator : TP/JJ
 Sample : SST00.101
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SST00.101

Quant Time: Mar 04 04:17:20 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

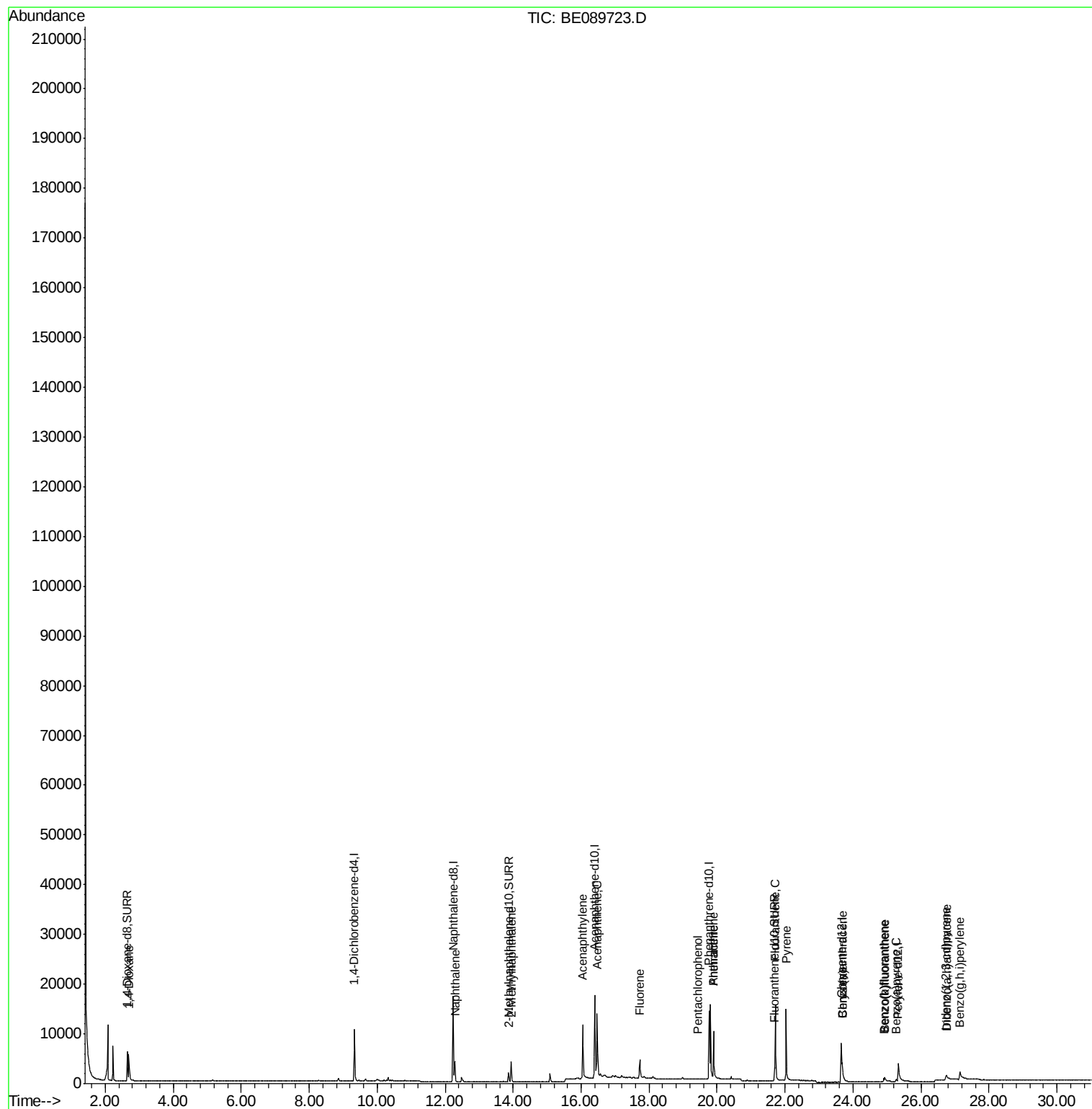
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	5086	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	21345	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	10724	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	16907	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	10489	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	7256	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.64	96	3509	0.59	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	2491	0.10	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	2872	0.09	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.69	88	4251	0.65	ng/ul	97
5) Naphthalene	12.28	128	5504	0.11	ng/ul	99
7) 2-Methylnaphthalene	13.94	142	3130	0.10	ng/ul	99
9) Acenaphthylene	16.05	152	16696	0.12	ng/ul	97
10) Acenaphthene	16.47	153	12918	0.12	ng/ul	97
11) Fluorene	17.73	166	3326	0.11	ng/ul#	97
13) Pentachlorophenol	19.43	266	65	0.08	ng/ul#	89
14) Phenanthrene	19.89	178	13981	0.08	ng/ul	97
15) Anthracene	19.89	178	14587	0.11	ng/ul	95
17) Fluoranthene	21.72	202	15748	0.09	ng/ul	98
19) Pyrene	22.03	202	15921	0.14	ng/ul	98
20) Benzo(a)anthracene	23.68	228	3472	0.25	ng/ul	95
21) Chrysene	23.68	228	3472	0.12	ng/ul	95
23) Benzo(b)fluoranthene	24.90	252	776	0.11	ng/ul	90
24) Benzo(k)fluoranthene	24.93	252	1624	0.07	ng/ul#	91
25) Benzo(a)pyrene	25.27	252	928	0.09	ng/ul#	85
26) Indeno(1,2,3-cd)pyrene	26.74	276	3181	0.07	ng/ul#	85
27) Dibenzo(a,h)anthracene	26.76	278	415	0.05	ng/ul#	75
28) Benzo(g,h,i)perylene	27.15	276	4106	0.08	ng/ul#	83

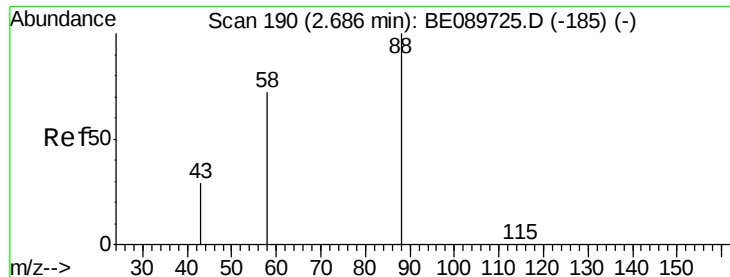
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
Data File : BE089723.D
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 04 04:17:20 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





#3

1,4-Dioxane

Concen: 0.65 ng/ul

RT: 2.69 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

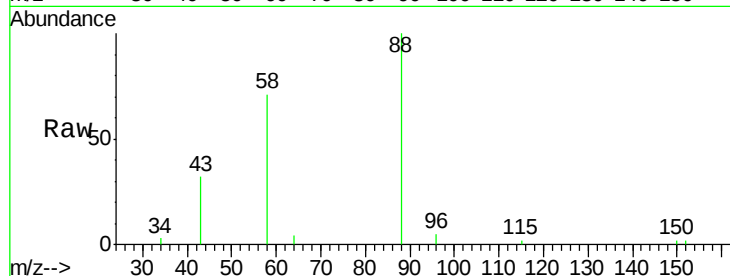
Tgt Ion: 88 Resp: 4251

Ion Ratio Lower Upper

88 100

58 74.1 61.3 91.9

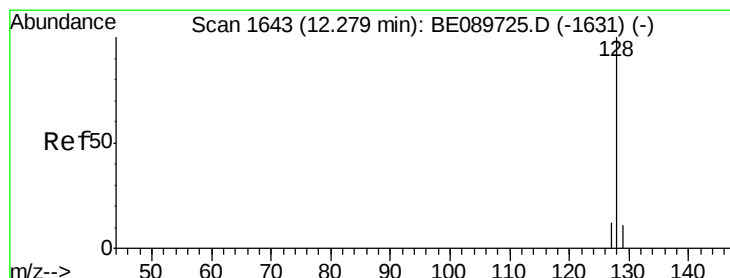
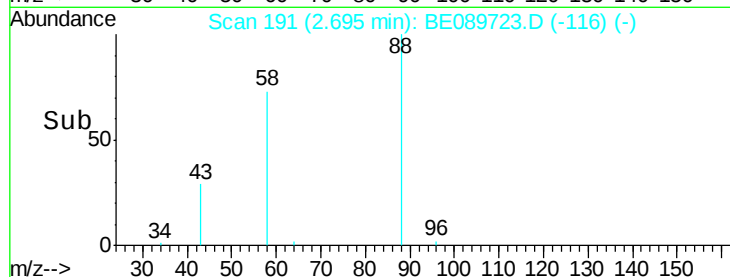
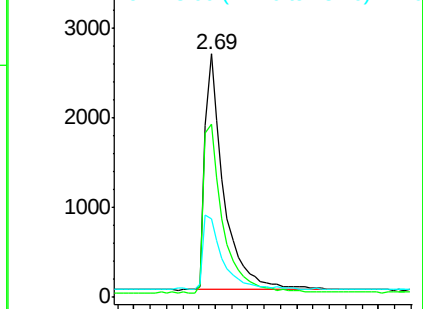
43 31.3 26.1 39.1



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: 0.11 ng/ul

RT: 12.28 min Scan# 1644

Delta R.T. 0.01 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

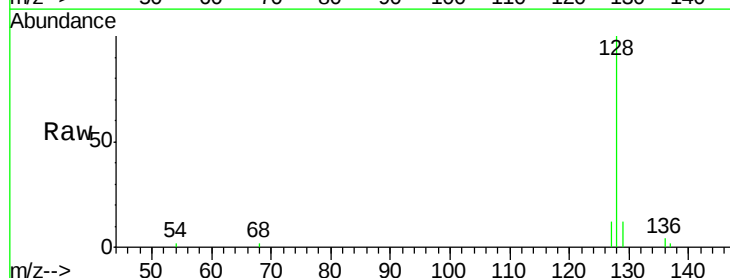
Tgt Ion: 128 Resp: 5504

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

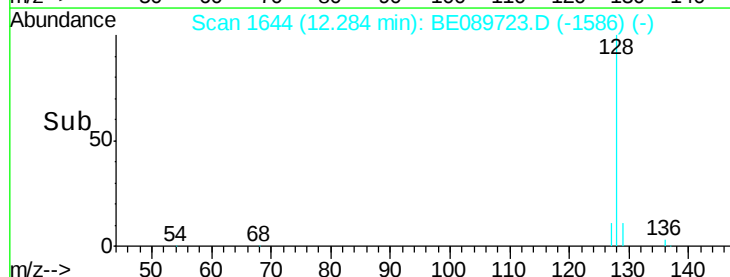
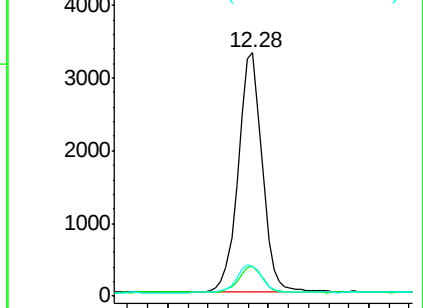
127 12.5 10.2 15.4

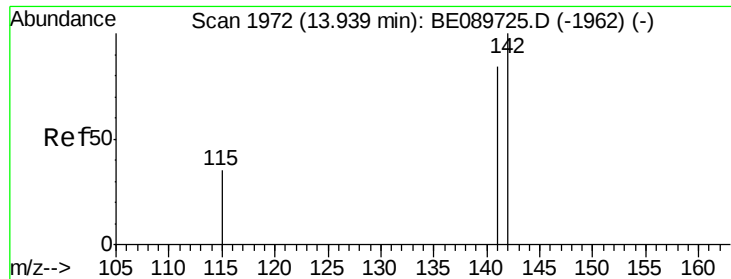


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 13.94 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

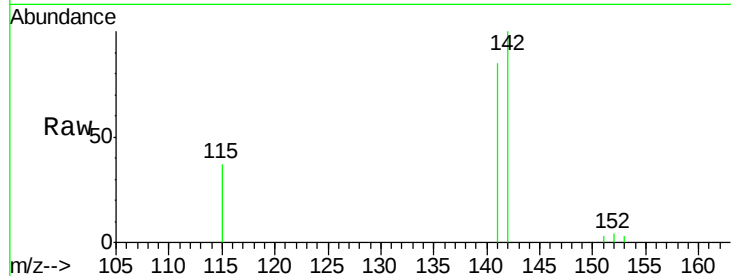
SSTD0.101

Tgt Ion:142 Resp: 3130

Ion Ratio Lower Upper

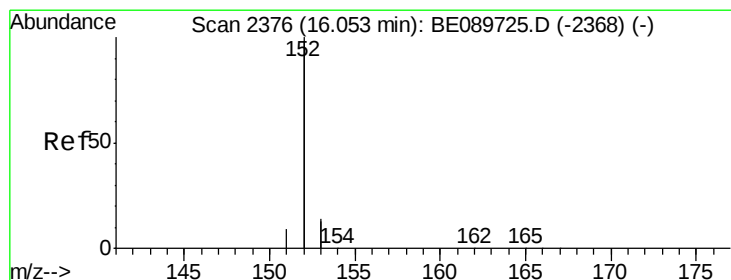
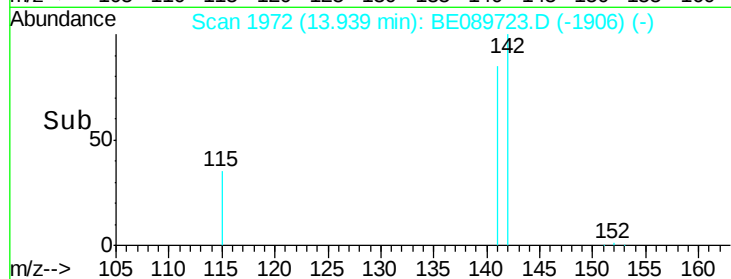
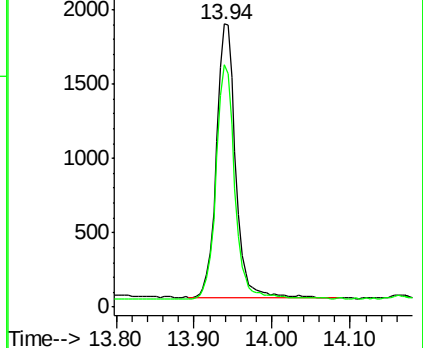
142 100

141 83.7 67.4 101.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

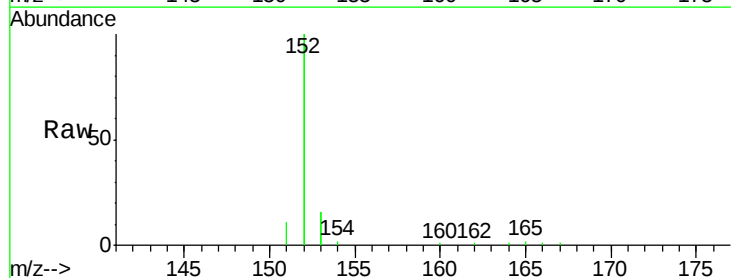
Tgt Ion:152 Resp: 16696

Ion Ratio Lower Upper

152 100

151 5.3 3.8 5.8

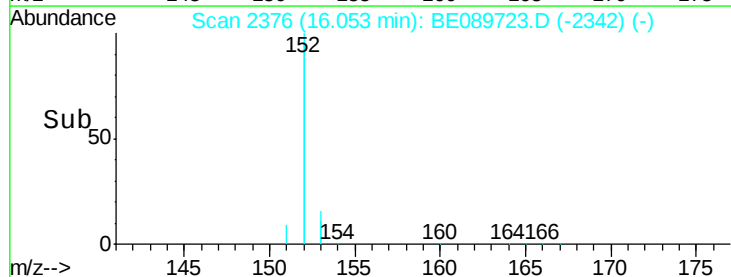
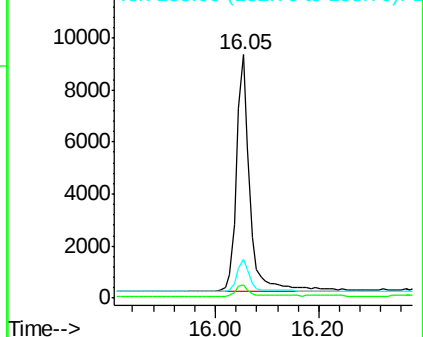
153 15.8 11.4 17.0

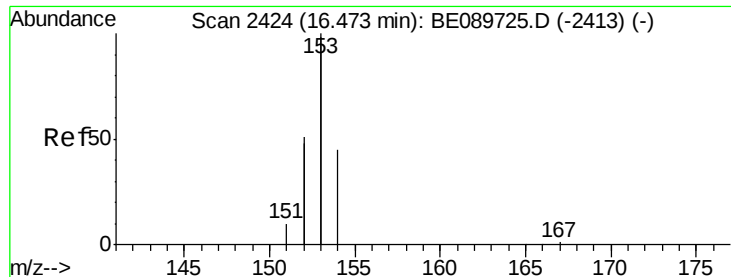


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.12 ng/ul

RT: 16.47 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

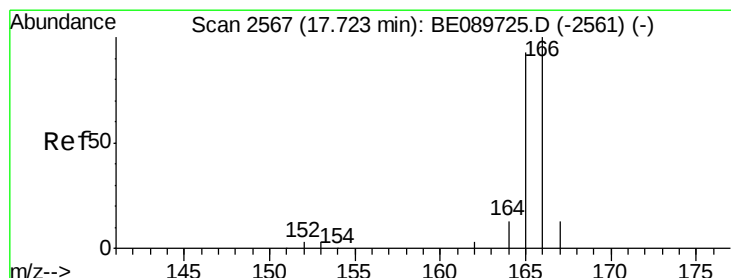
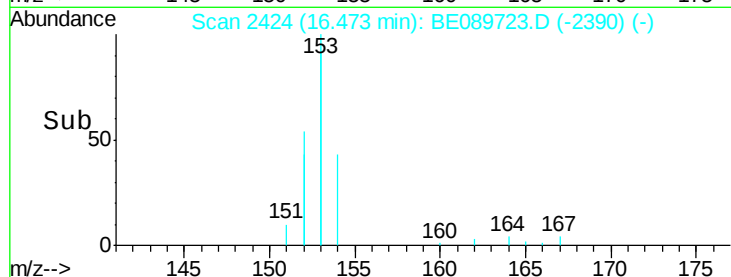
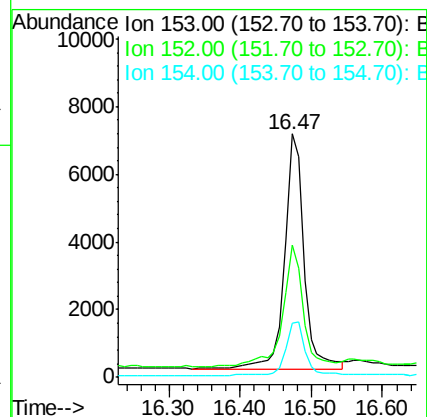
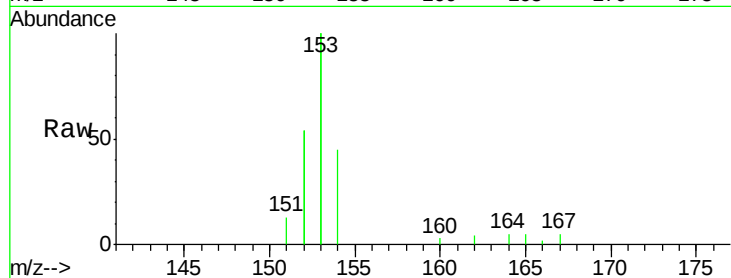
Tgt Ion:153 Resp: 12918

Ion Ratio Lower Upper

153 100

152 54.2 41.2 61.8

154 22.5 18.2 27.2



#11

Fluorene

Concen: 0.11 ng/ul

RT: 17.73 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

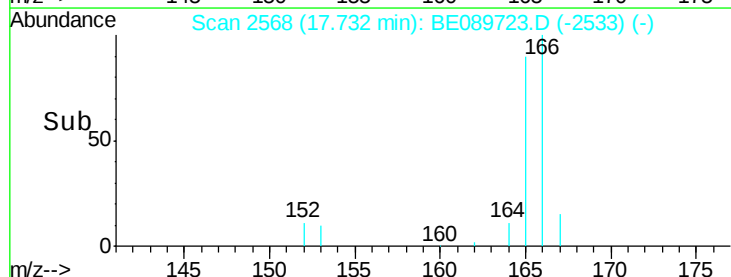
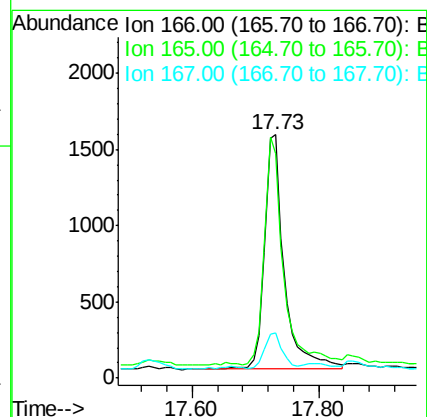
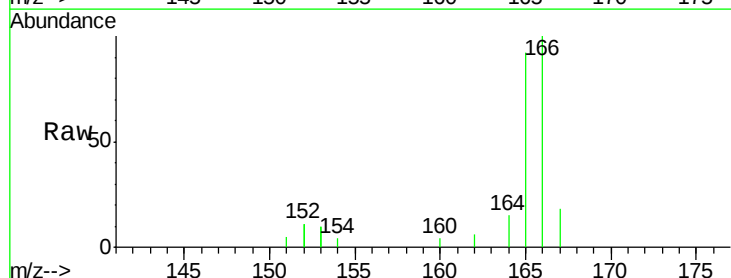
Tgt Ion:166 Resp: 3326

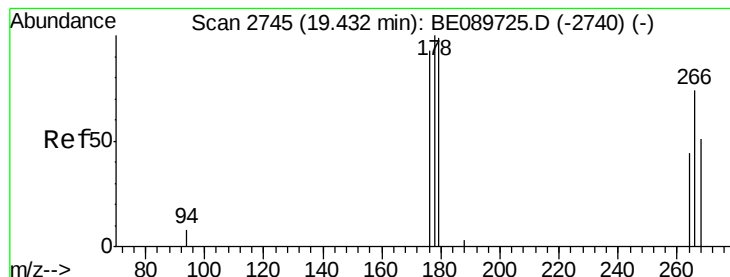
Ion Ratio Lower Upper

166 100

165 92.2 74.9 112.3

167 18.4 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 19.43 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

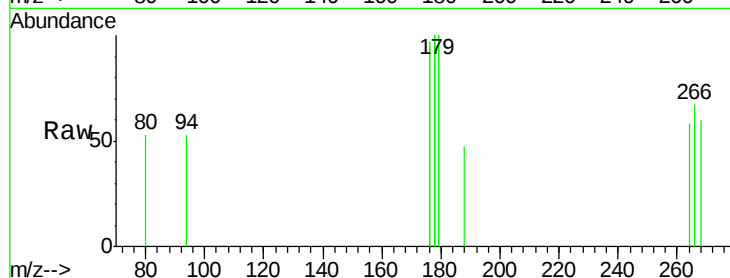
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

264 64.6 49.4 74.2

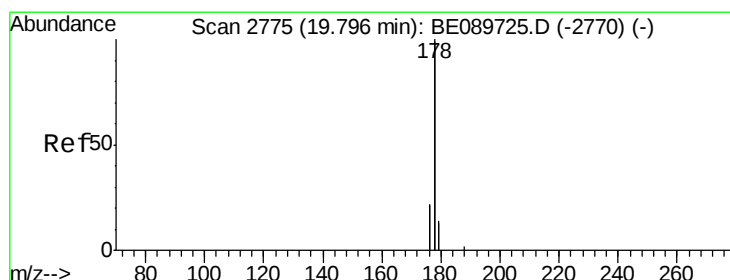
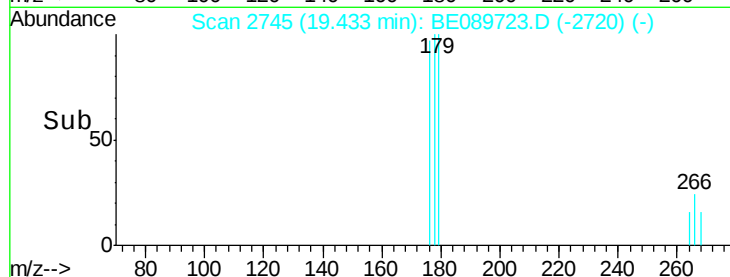
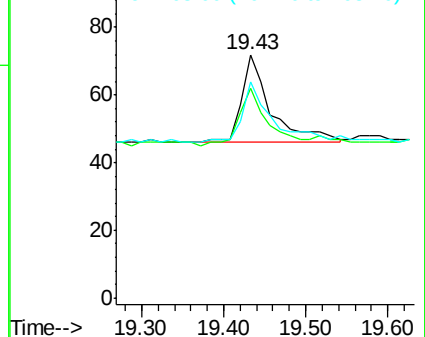
268 73.8 47.9 71.9#



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



#14

Phenanthrene

Concen: 0.08 ng/ul

RT: 19.89 min Scan# 2783

Delta R.T. 0.10 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

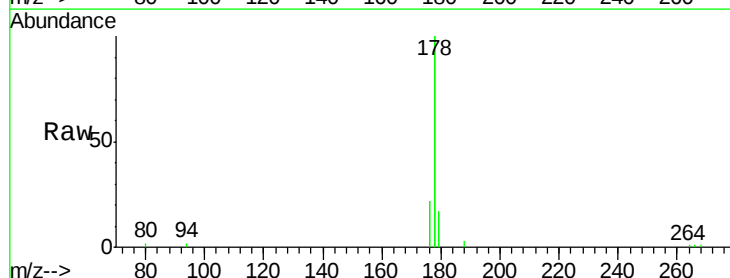
Tgt Ion:178 Resp: 13981

Ion Ratio Lower Upper

178 100

176 22.3 17.6 26.4

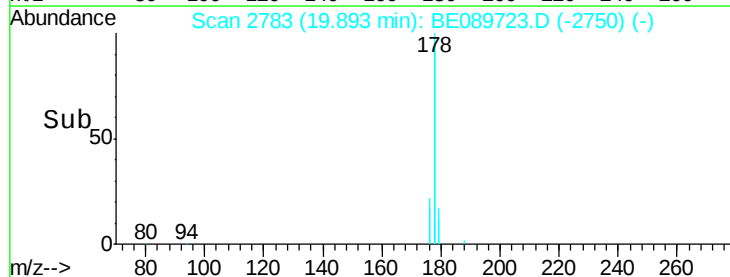
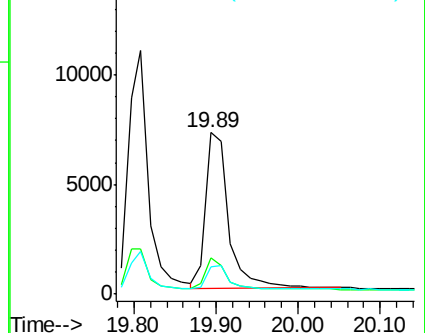
179 16.9 11.6 17.4

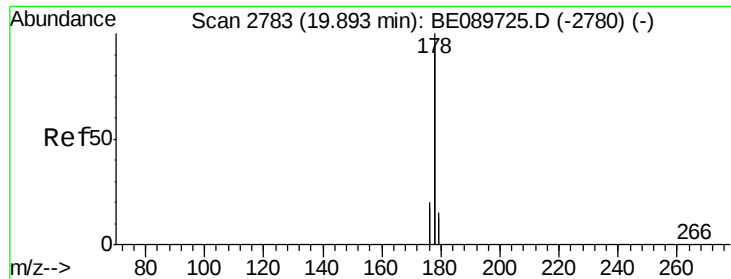


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.11 ng/ul

RT: 19.89 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

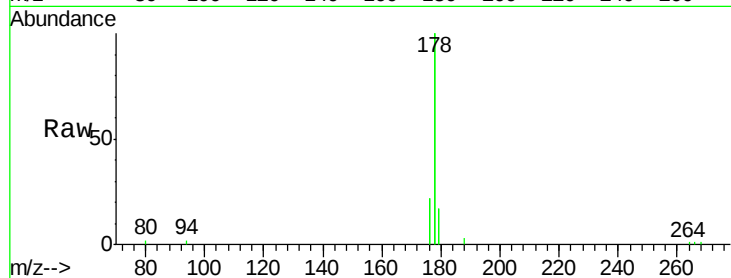
Tgt Ion:178 Resp: 14587

Ion Ratio Lower Upper

178 100

176 22.3 15.8 23.6

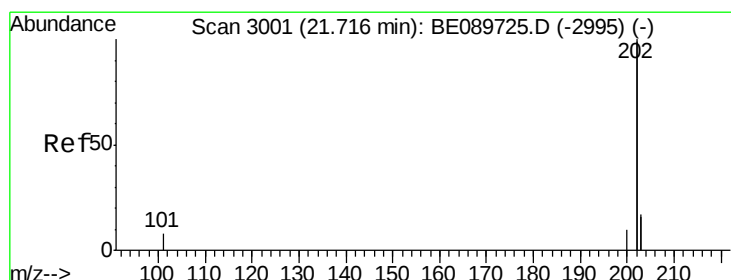
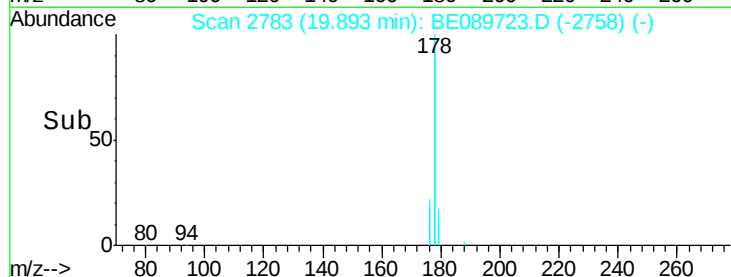
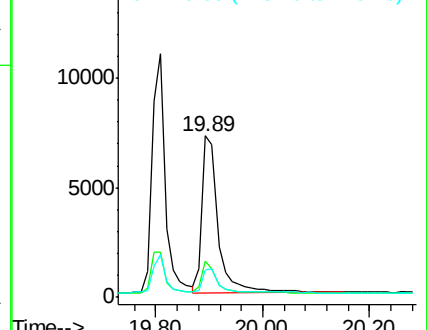
179 16.9 12.0 18.0



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: 0.09 ng/ul

RT: 21.72 min Scan# 3001

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

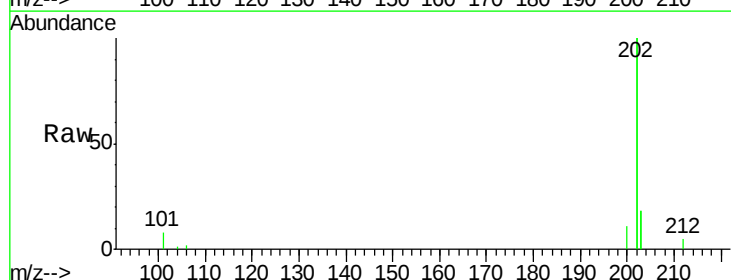
Tgt Ion:202 Resp: 15748

Ion Ratio Lower Upper

202 100

101 4.2 0.0 24.2

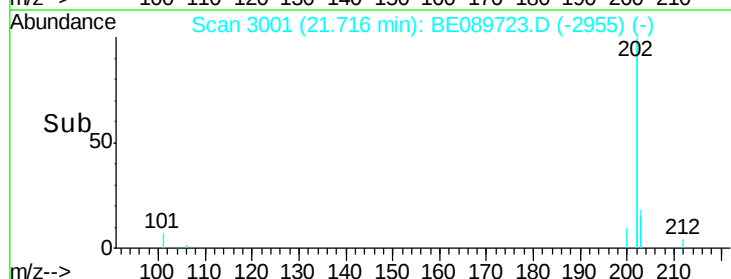
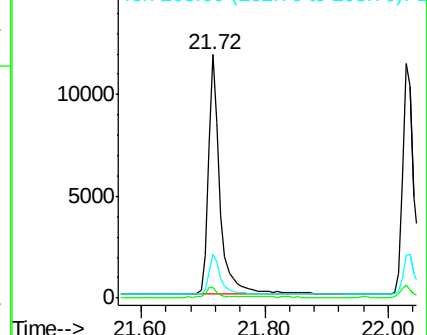
203 18.3 0.0 37.0

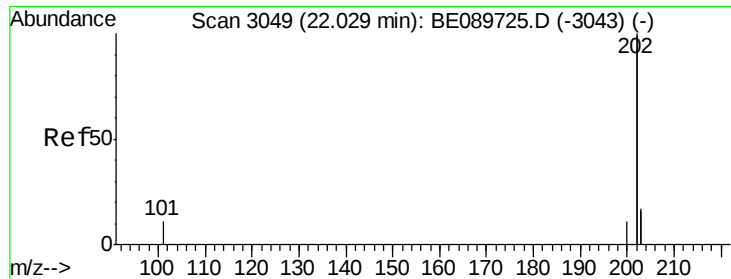


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.14 ng/ul

RT: 22.03 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

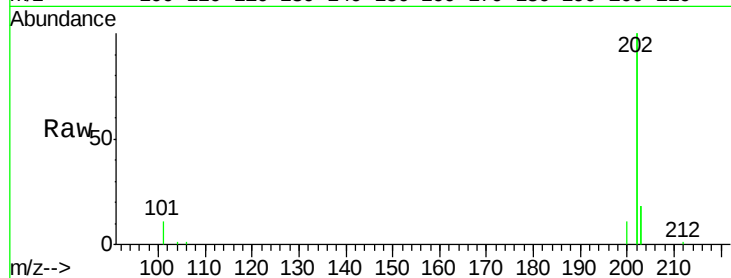
Tgt Ion:202 Resp: 15921

Ion Ratio Lower Upper

202 100

200 5.6 4.4 6.6

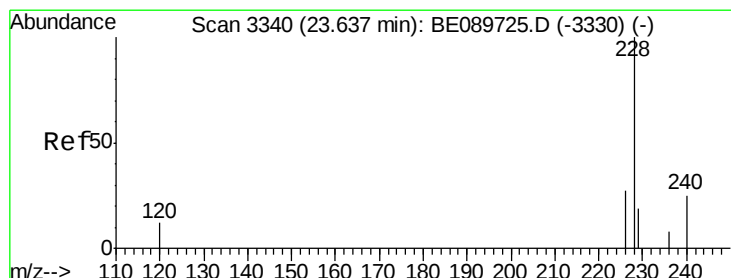
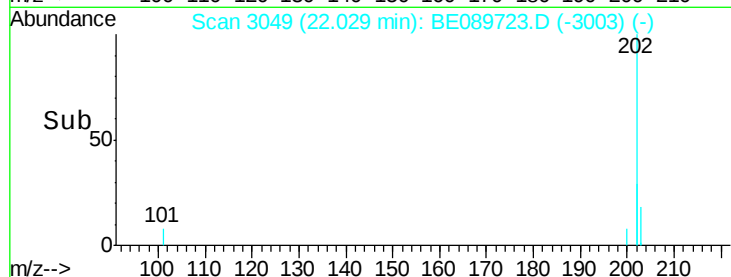
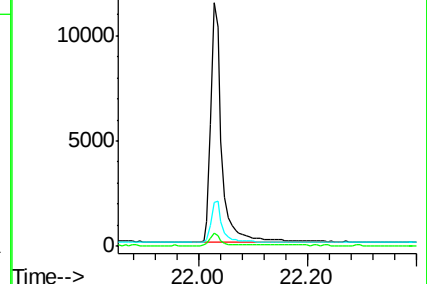
203 18.1 13.6 20.4



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: 0.25 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. 0.05 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

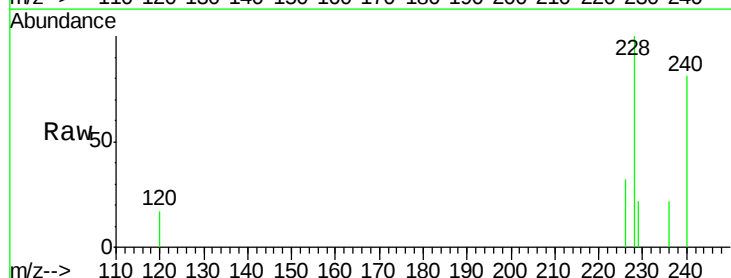
Tgt Ion:228 Resp: 3472

Ion Ratio Lower Upper

228 100

226 31.8 22.8 34.2

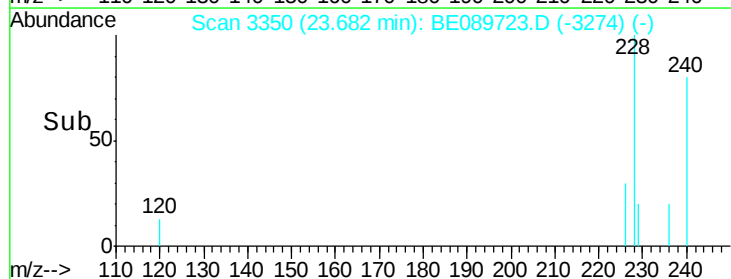
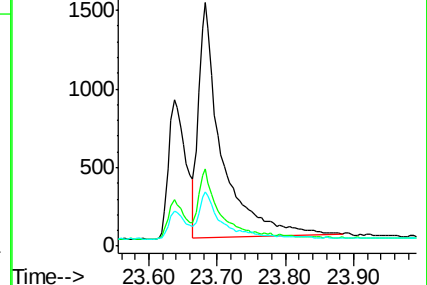
229 22.2 16.2 24.2

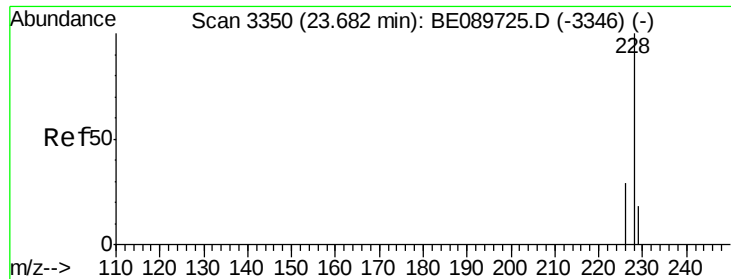


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.12 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

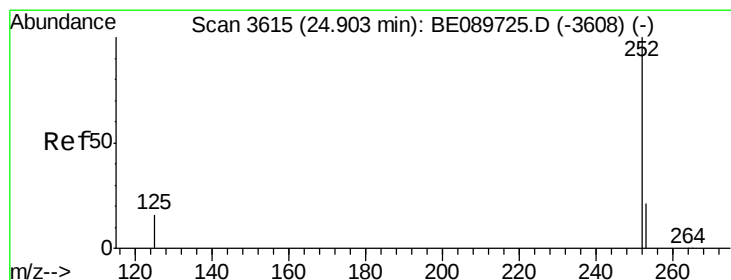
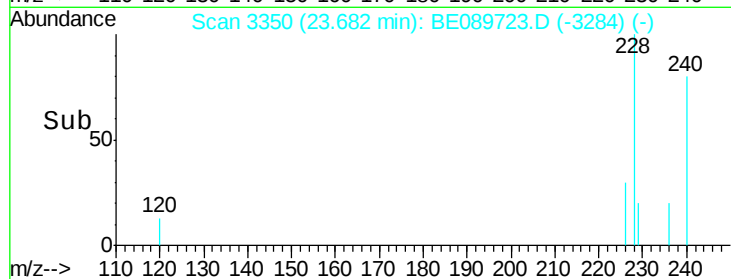
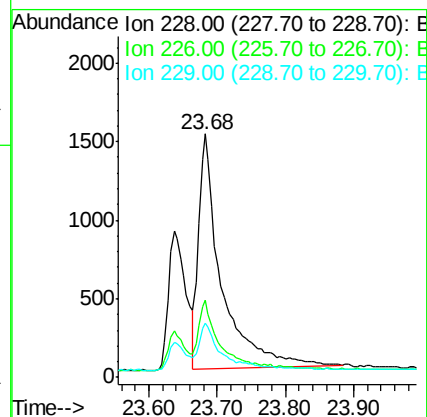
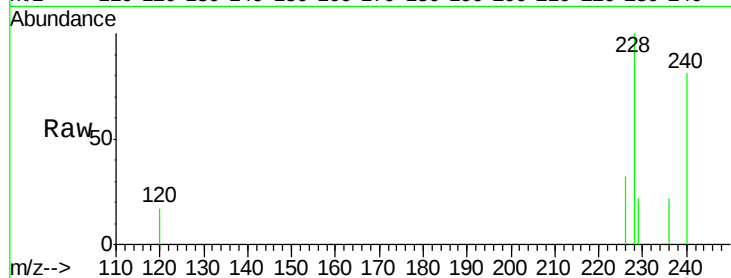
Tgt Ion:228 Resp: 3472

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

229 22.2 15.5 23.3



#23

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 24.90 min Scan# 3615

Delta R.T. -0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

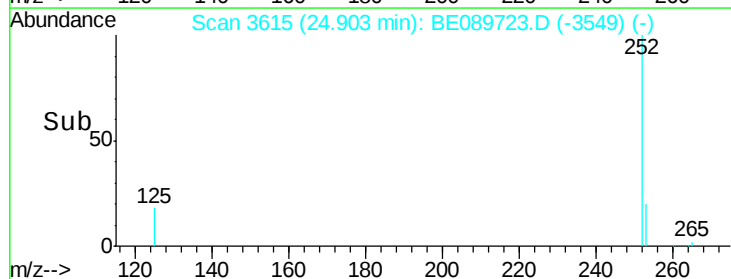
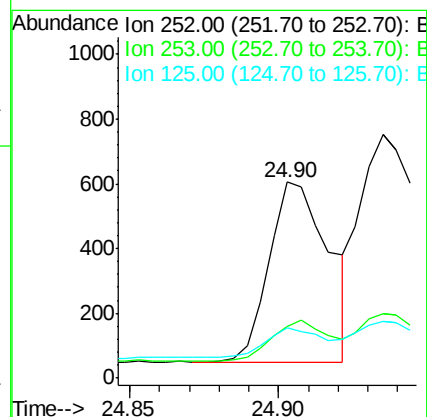
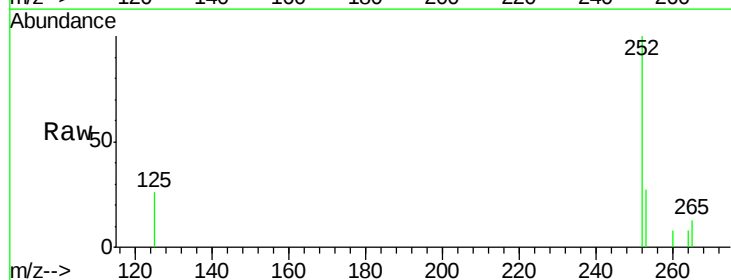
Tgt Ion:252 Resp: 776

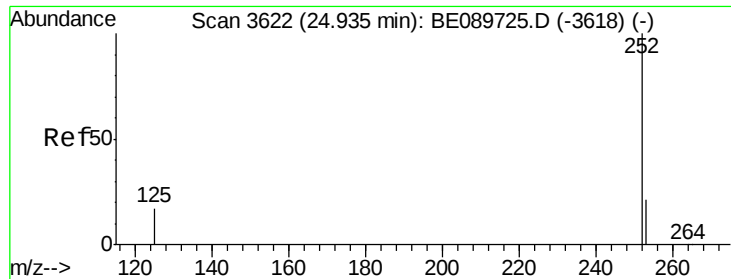
Ion Ratio Lower Upper

252 100

253 26.6 0.0 47.0

125 25.8 0.0 37.8





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 24.93 min Scan# 3622

Delta R.T. -0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

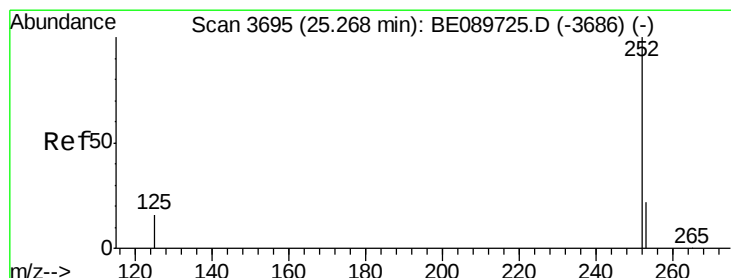
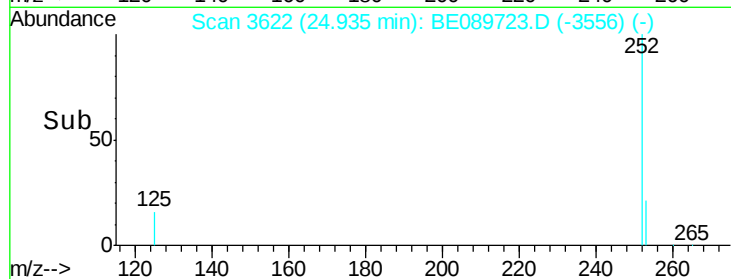
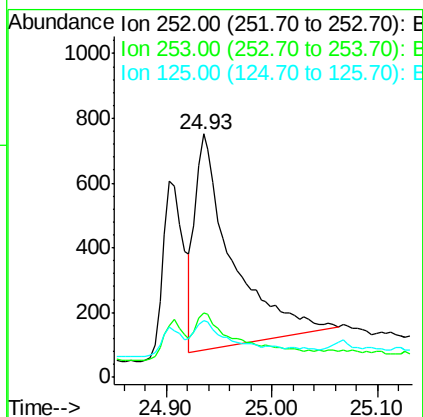
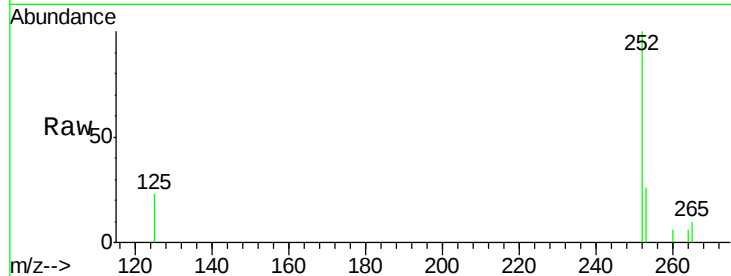
Instrument :

BNA_E

ClientSampleId :

SSTD0.101

Tgt Ion:	252	Resp:	1624
Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.2	27.4
125	23.0	14.6	22.0#



#25

Benzo(a)pyrene

Concen: 0.09 ng/ul

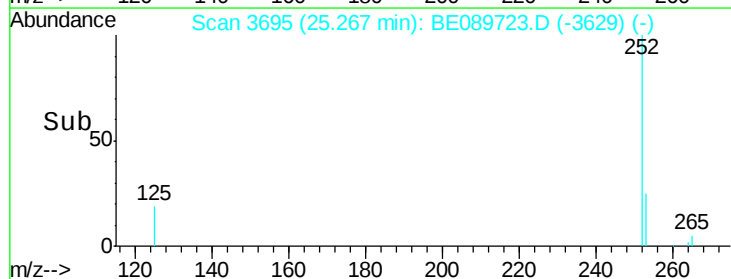
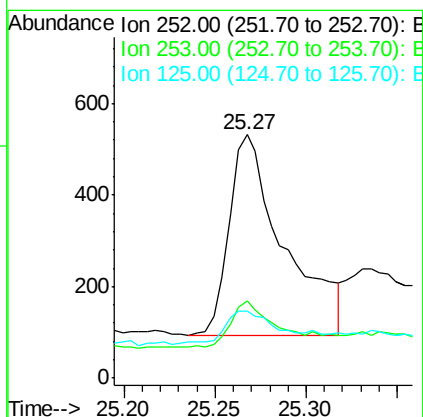
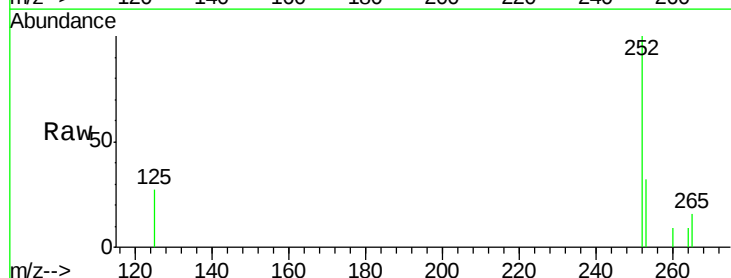
RT: 25.27 min Scan# 3695

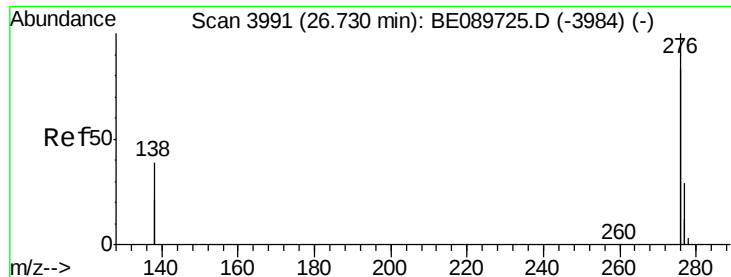
Delta R.T. -0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Tgt Ion:	252	Resp:	928
Ion	Ratio	Lower	Upper
252	100		
253	31.8	19.8	29.6#
125	27.4	16.0	24.0#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 26.74 min Scan# 3992

Delta R.T. 0.01 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101

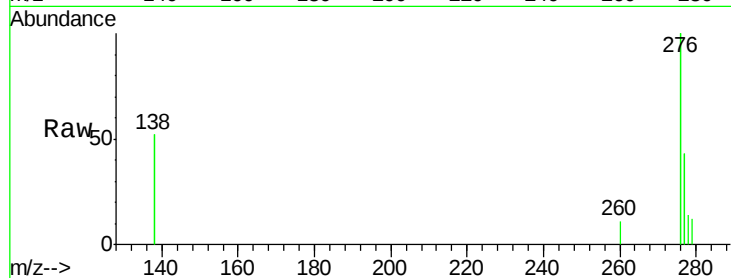
Tgt Ion:276 Resp: 3181

Ion Ratio Lower Upper

276 100

138 34.3 36.8 55.2#

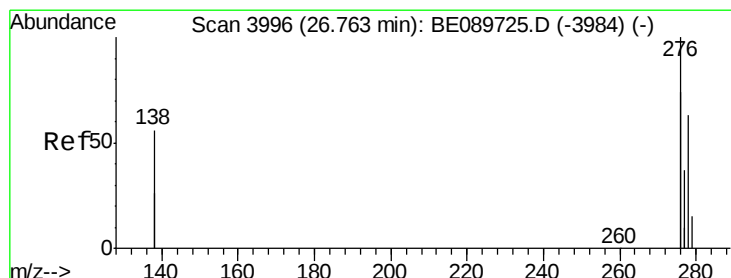
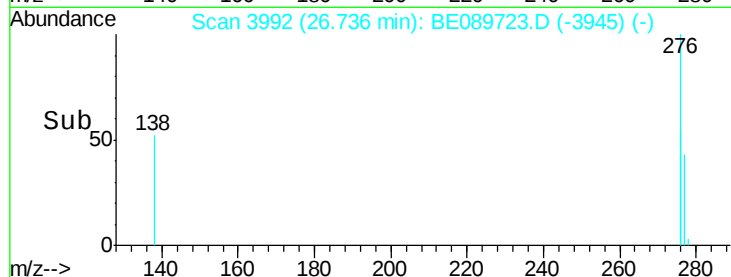
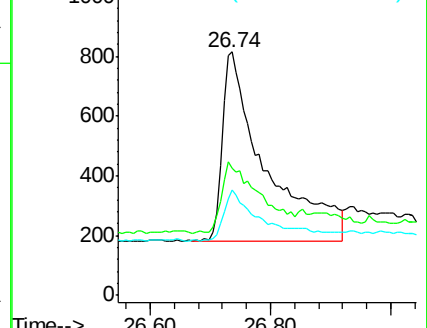
277 20.9 20.6 31.0



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: 0.05 ng/ul

RT: 26.76 min Scan# 3996

Delta R.T. -0.00 min

Lab File: BE089723.D

Acq: 3 Mar 2015 11:11

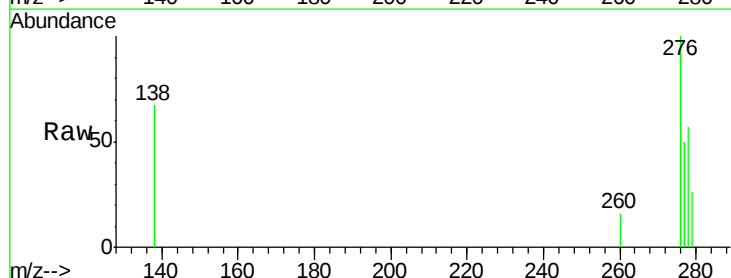
Tgt Ion:278 Resp: 415

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

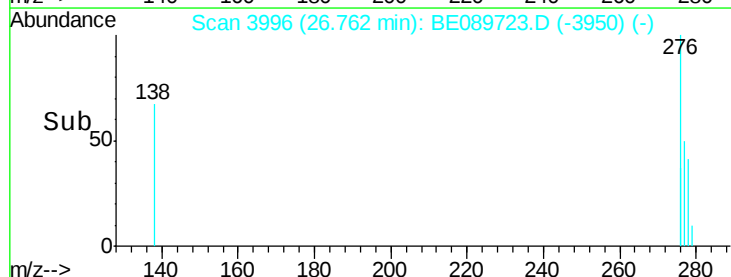
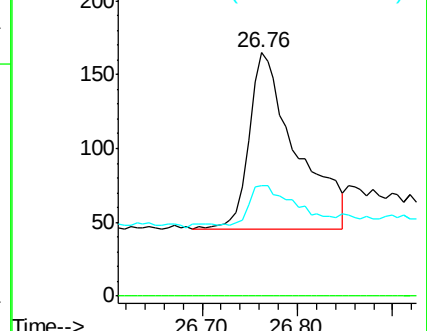
279 45.5 25.4 38.2#

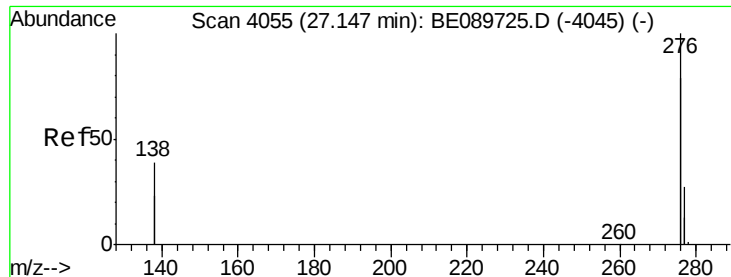


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.08 ng/ul

RT: 27.15 min Scan# 4055

Delta R.T. -0.00 min

Lab File: BE089723.D

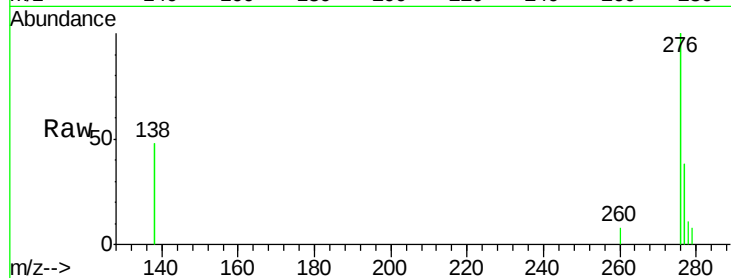
Acq: 3 Mar 2015 11:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.101



Tgt Ion: 276 Resp: 4106

Ion Ratio Lower Upper

276 100

277 37.5 21.4 32.2#

138 47.5 31.4 47.0#

