

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
 Data File : BE089726.D
 Acq On : 3 Mar 2015 13:08
 Operator : TP/JJ
 Sample : SSTD0.804
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.804

Quant Time: Mar 04 04:17:57 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

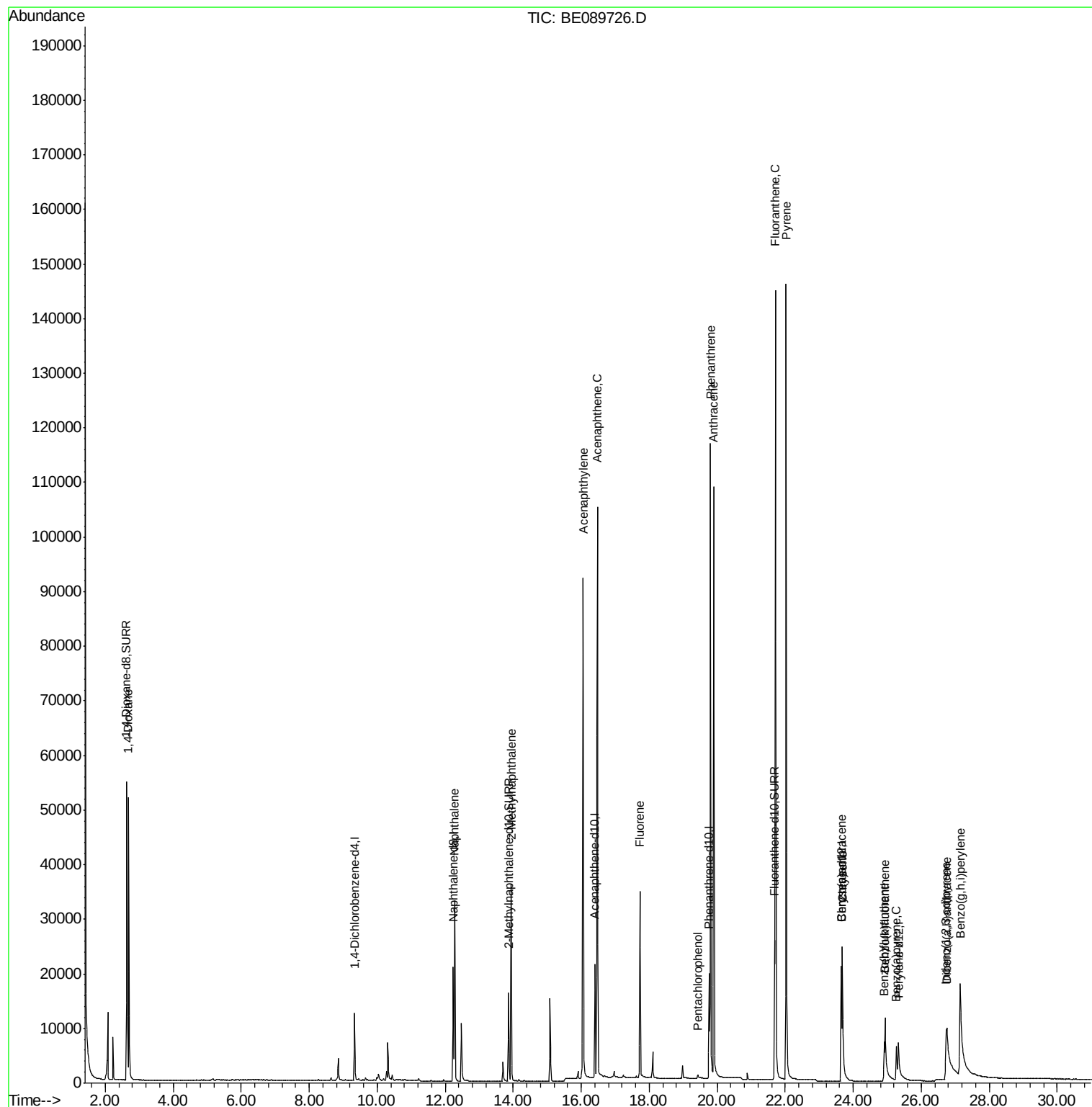
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	5697	0.40	ng/ul	0.00
4) Naphthalene-d8	12.23	136	24720	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	12509	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	19499	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	15317	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	9684	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.63	96	27187	4.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	19253	0.65	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	23801	0.66	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.68	88	31275	4.28	ng/ul	98
5) Naphthalene	12.28	128	40465	0.72	ng/ul	99
7) 2-Methylnaphthalene	13.94	142	24448	0.70	ng/ul	100
9) Acenaphthylene	16.05	152	124927	0.75	ng/ul	99
10) Acenaphthene	16.47	153	88737	0.70	ng/ul	97
11) Fluorene	17.72	166	24200	0.68	ng/ul	98
13) Pentachlorophenol	19.43	266	545	0.56	ng/ul	96
14) Phenanthrene	19.80	178	139131	0.72	ng/ul	98
15) Anthracene	19.89	178	119982	0.77	ng/ul	99
17) Fluoranthene	21.72	202	135641	0.70	ng/ul	98
19) Pyrene	22.03	202	132862	0.78	ng/ul	100
20) Benzo(a)anthracene	23.64	228	15745	0.78	ng/ul	98
21) Chrysene	23.68	228	29637	0.68	ng/ul	99
23) Benzo(b)fluoranthene	24.91	252	6617	0.70	ng/ul	97
24) Benzo(k)fluoranthene	24.93	252	25544	0.79	ng/ul	97
25) Benzo(a)pyrene	25.27	252	10020	0.72	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	26.73	276	39806	0.70	ng/ul	94
27) Dibenzo(a,h)anthracene	26.76	278	7300	0.70	ng/ul#	88
28) Benzo(g,h,i)perylene	27.15	276	49067	0.67	ng/ul	97

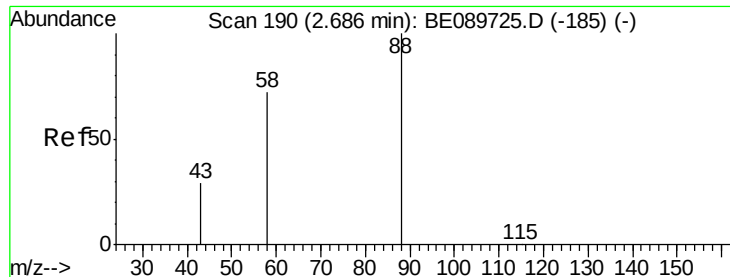
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE030315.M
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#3

1,4-Dioxane

Concen: 4.28 ng/ul

RT: 2.68 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

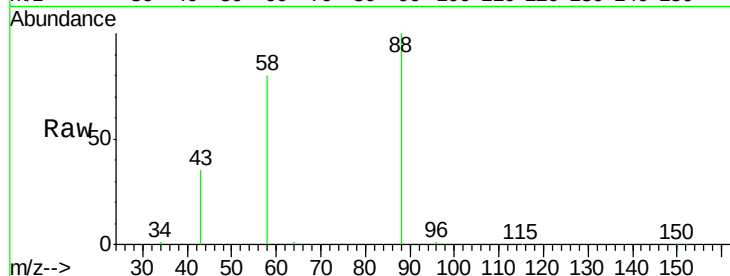
Tgt Ion: 88 Resp: 31275

Ion Ratio Lower Upper

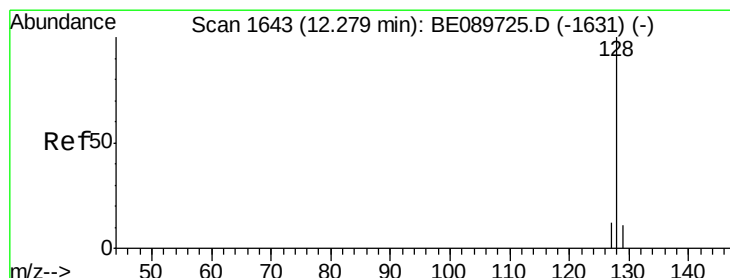
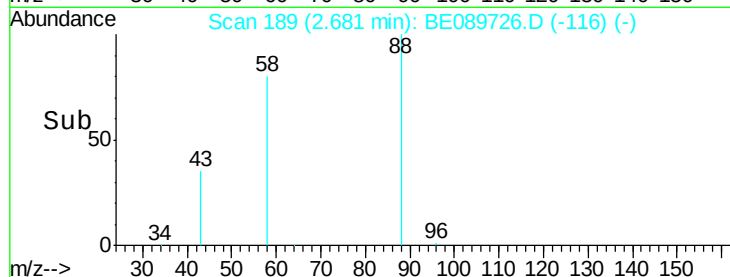
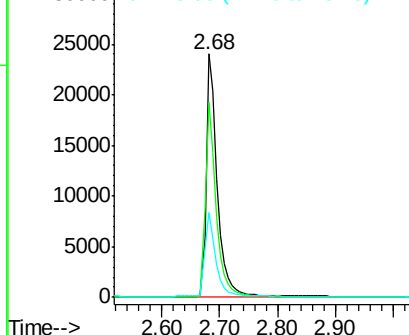
88 100

58 78.4 61.3 91.9

43 33.9 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: 0.72 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

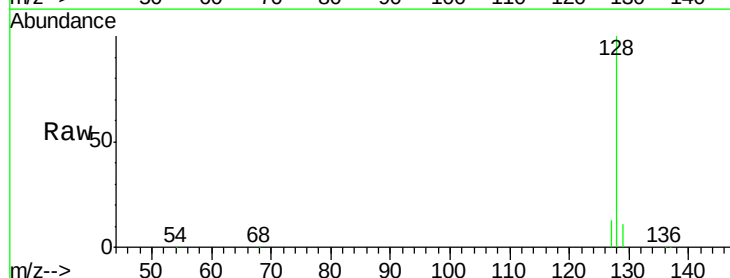
Tgt Ion: 128 Resp: 40465

Ion Ratio Lower Upper

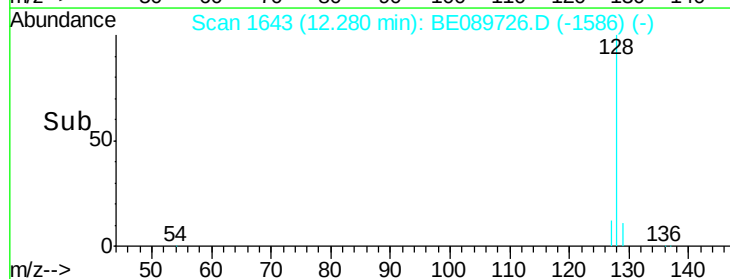
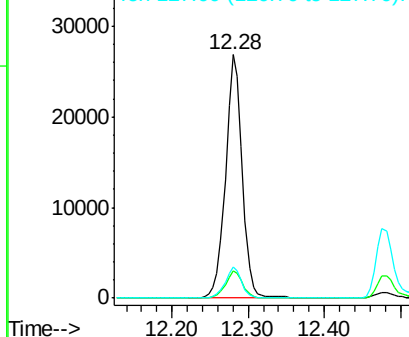
128 100

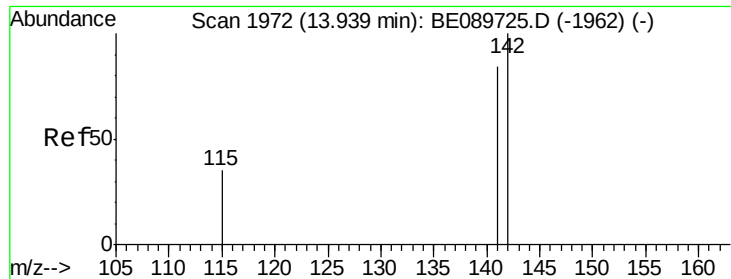
129 11.0 9.0 13.6

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: 0.70 ng/ul

RT: 13.94 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

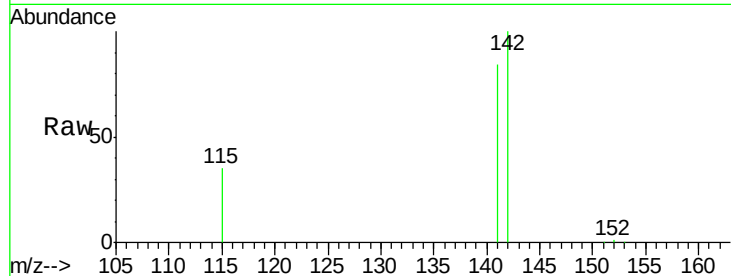
SSTD0.804

Tgt Ion:142 Resp: 24448

Ion Ratio Lower Upper

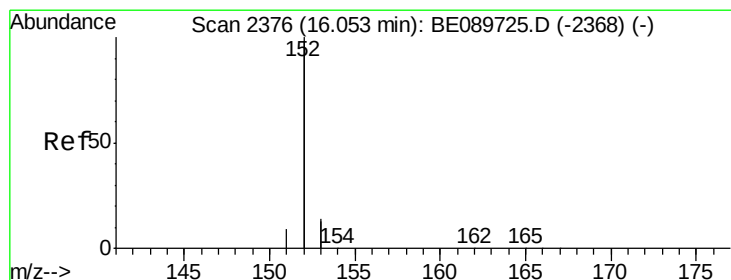
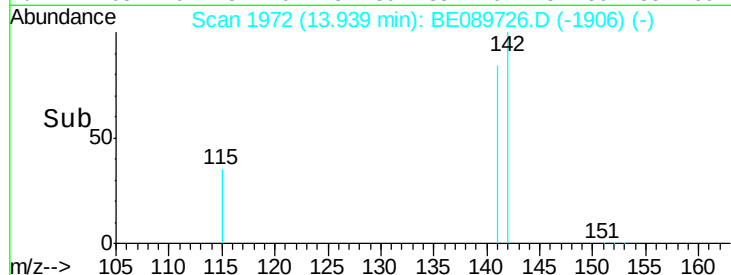
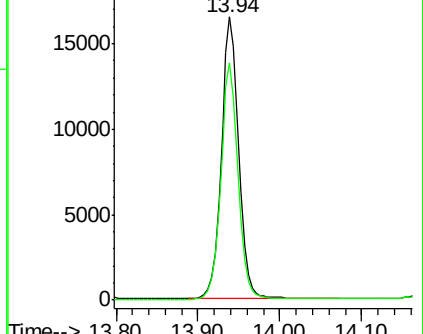
142 100

141 84.3 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: 0.75 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

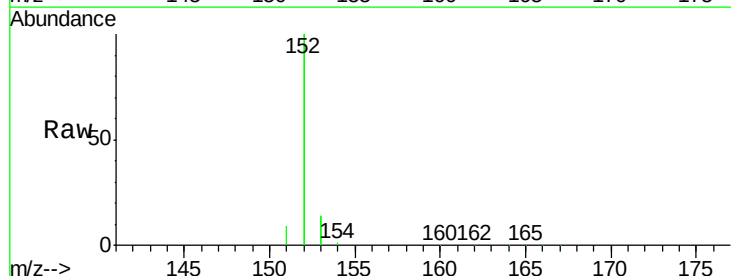
Tgt Ion:152 Resp: 124927

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.8

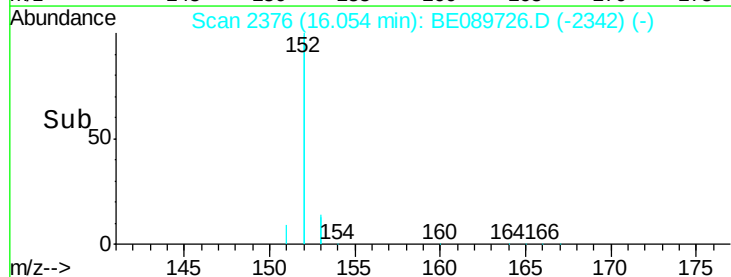
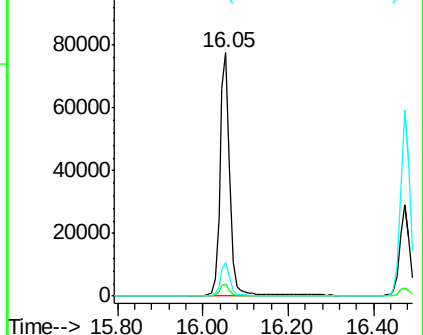
153 13.6 11.4 17.0

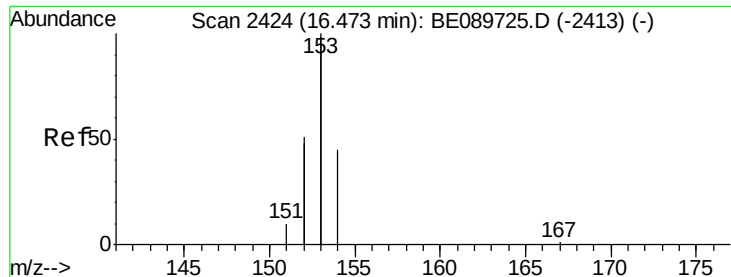


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.70 ng/ul

RT: 16.47 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

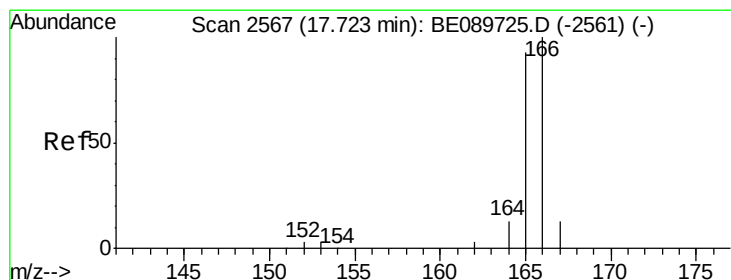
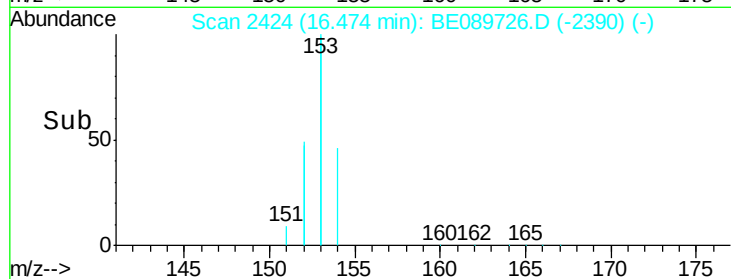
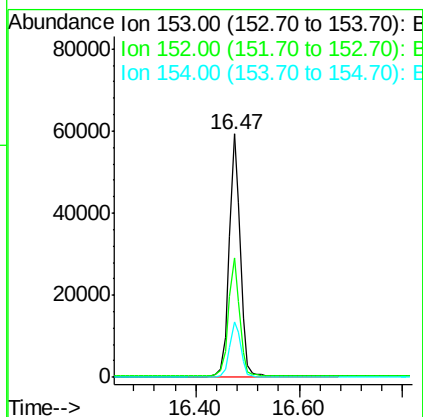
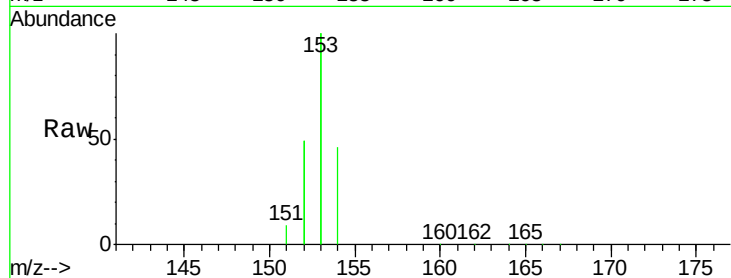
Tgt Ion:153 Resp: 88737

Ion Ratio Lower Upper

153 100

152 49.1 41.2 61.8

154 23.0 18.2 27.2



#11

Fluorene

Concen: 0.68 ng/ul

RT: 17.72 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

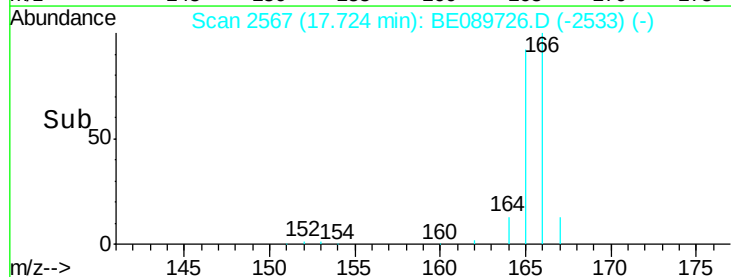
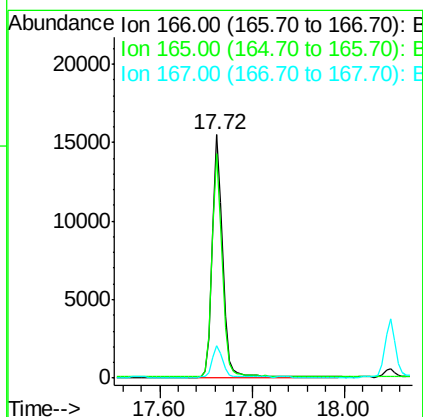
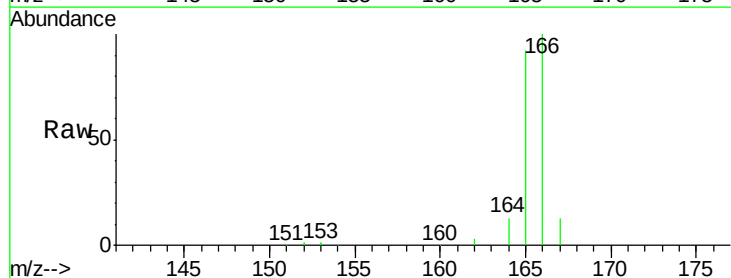
Tgt Ion:166 Resp: 24200

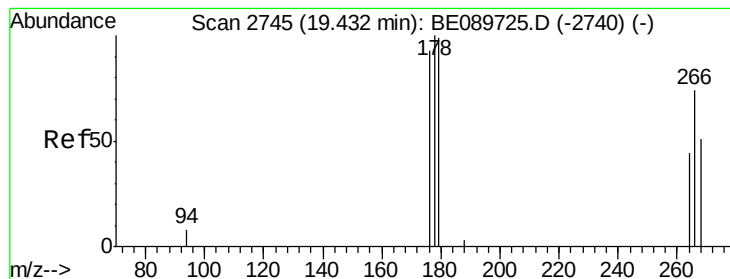
Ion Ratio Lower Upper

166 100

165 92.3 74.9 112.3

167 13.4 11.5 17.3





#13

Pentachlorophenol

Concen: 0.56 ng/ul

RT: 19.43 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BE089726.D

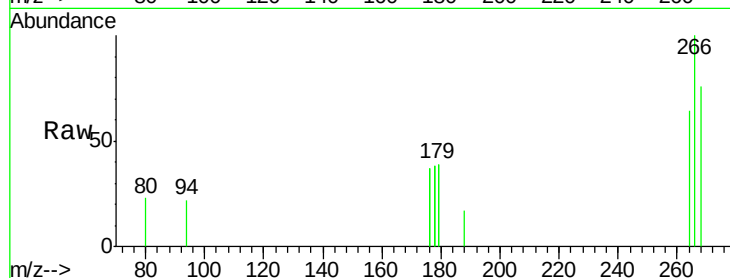
Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804



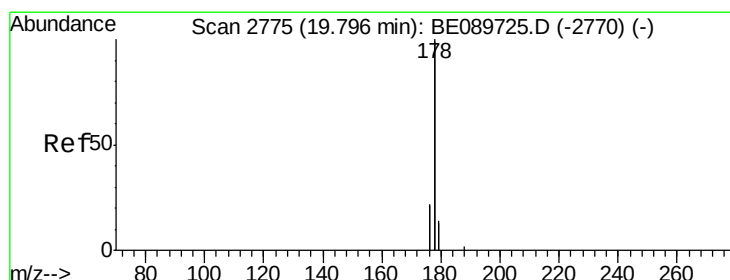
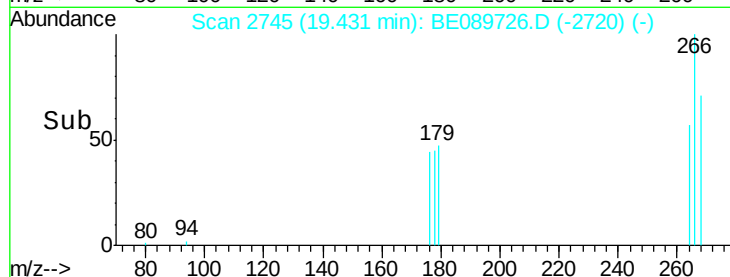
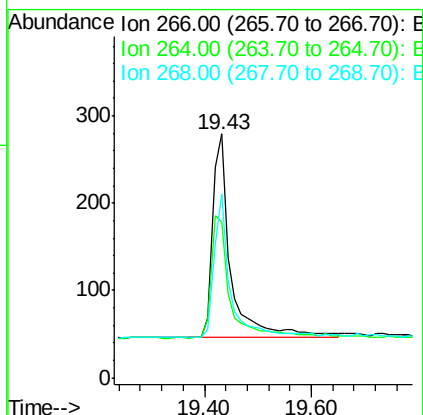
Tgt Ion: 266 Resp: 545

Ion Ratio Lower Upper

266 100

264 63.5 49.4 74.2

268 64.0 47.9 71.9



#14

Phenanthrene

Concen: 0.72 ng/ul

RT: 19.80 min Scan# 2775

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

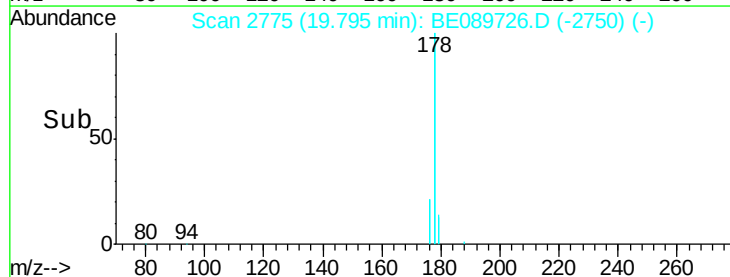
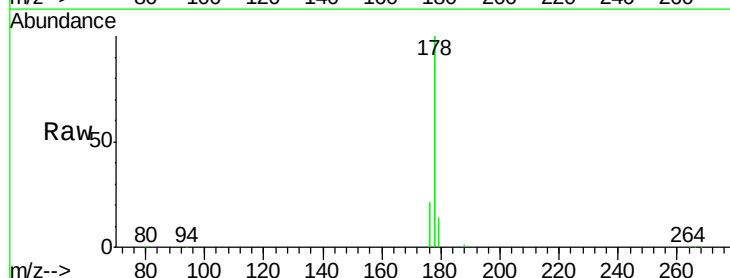
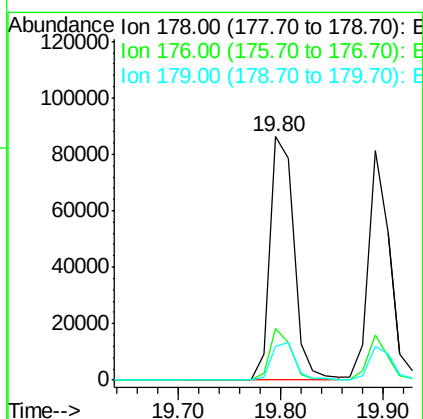
Tgt Ion: 178 Resp: 139131

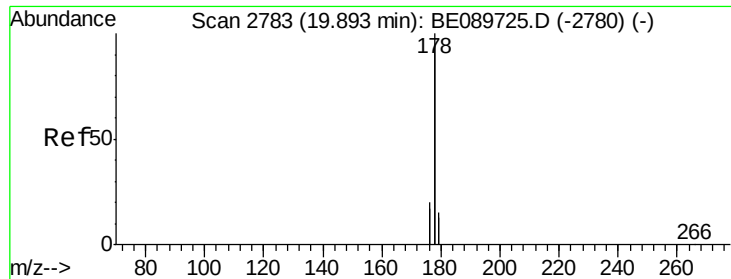
Ion Ratio Lower Upper

178 100

176 21.1 17.6 26.4

179 13.8 11.6 17.4





#15

Anthracene

Concen: 0.77 ng/ul

RT: 19.89 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

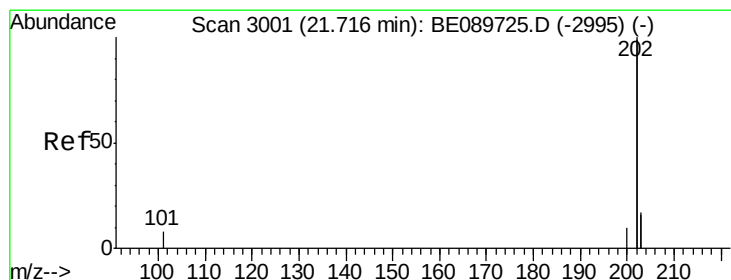
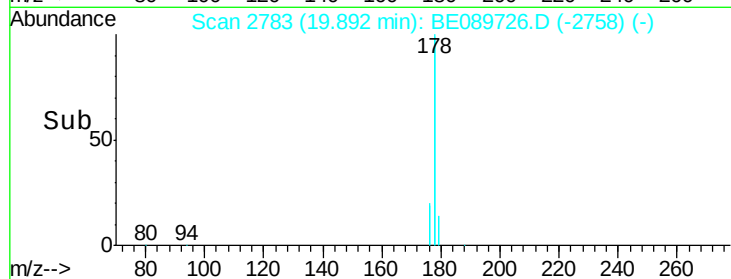
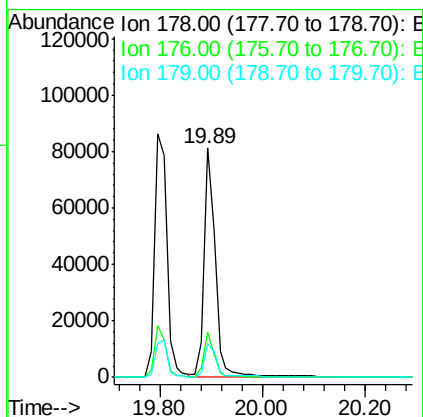
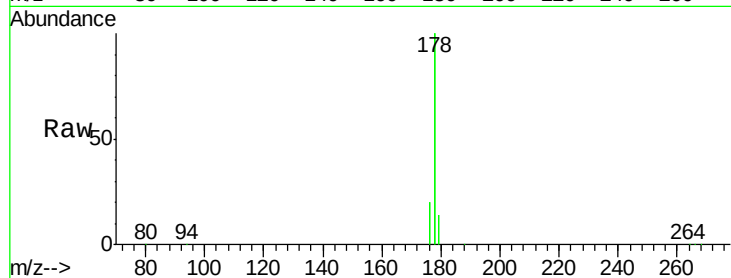
Tgt Ion:178 Resp: 119982

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

179 14.5 12.0 18.0



#17

Fluoranthene

Concen: 0.70 ng/ul

RT: 21.72 min Scan# 3001

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

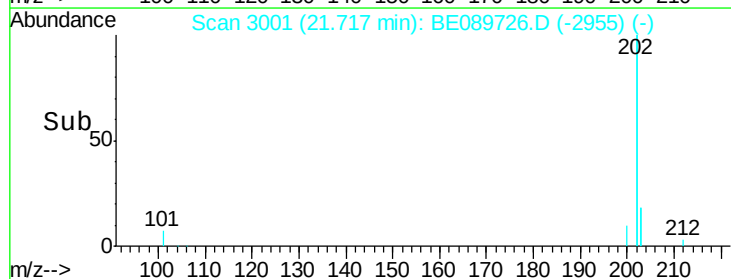
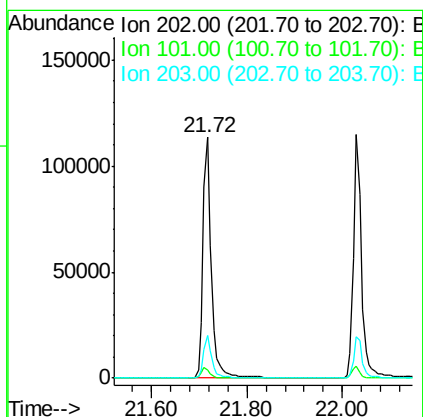
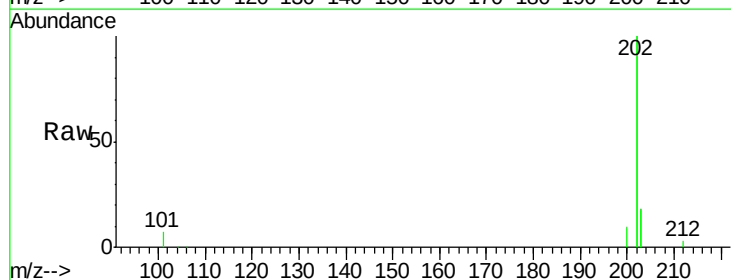
Tgt Ion:202 Resp: 135641

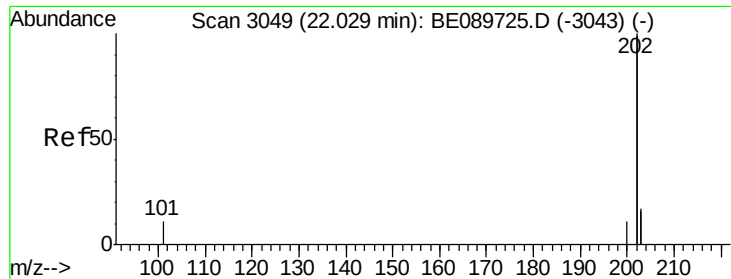
Ion Ratio Lower Upper

202 100

101 3.6 0.0 24.2

203 17.8 0.0 37.0





#19

Pyrene

Concen: 0.78 ng/ul

RT: 22.03 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

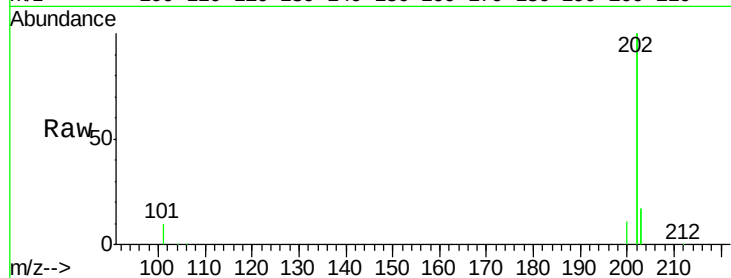
Tgt Ion:202 Resp: 132862

Ion Ratio Lower Upper

202 100

200 5.3 4.4 6.6

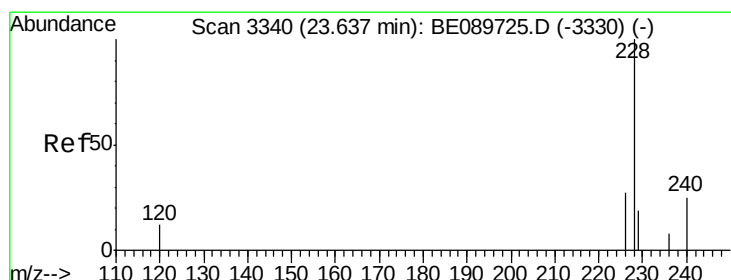
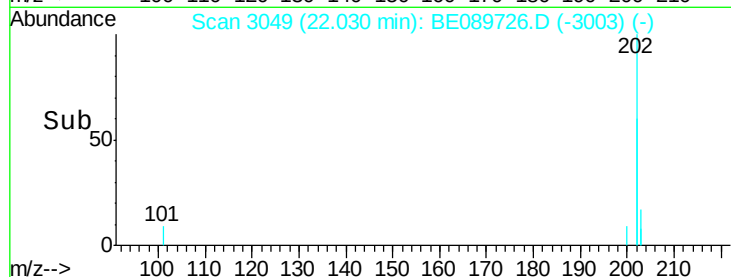
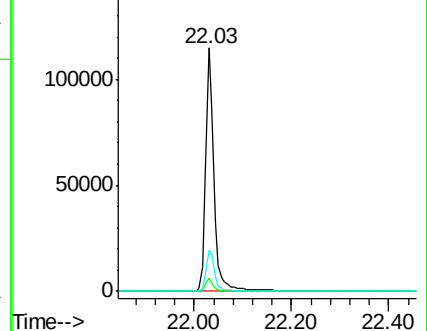
203 16.9 13.6 20.4



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: 0.78 ng/ul

RT: 23.64 min Scan# 3340

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

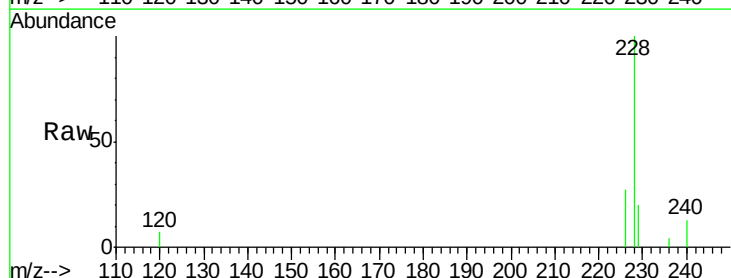
Tgt Ion:228 Resp: 15745

Ion Ratio Lower Upper

228 100

226 27.4 22.8 34.2

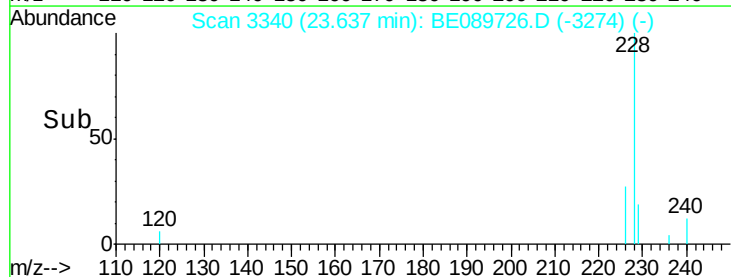
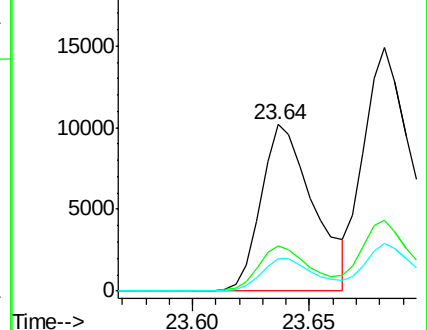
229 19.6 16.2 24.2

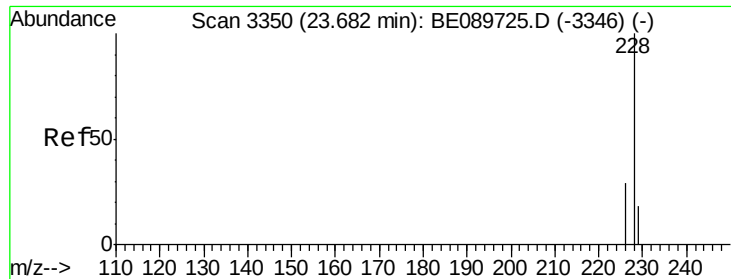


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.68 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

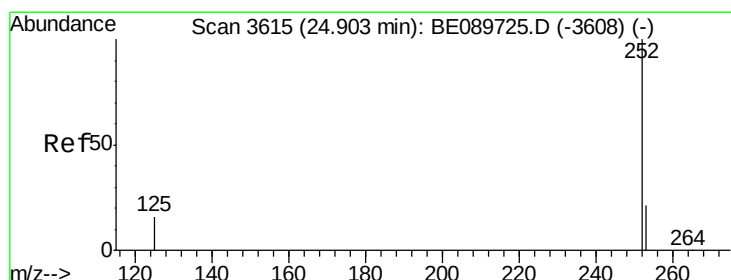
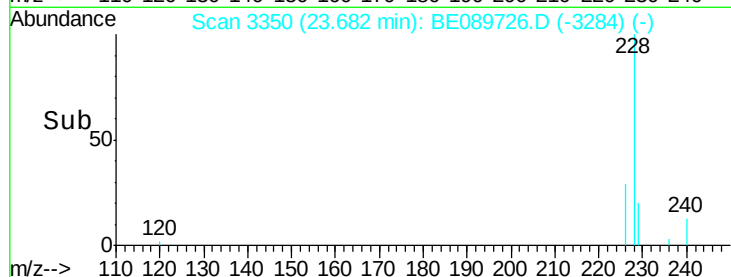
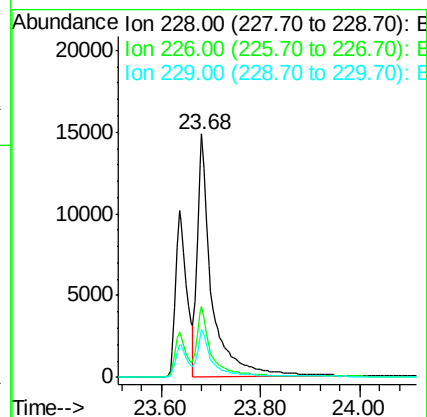
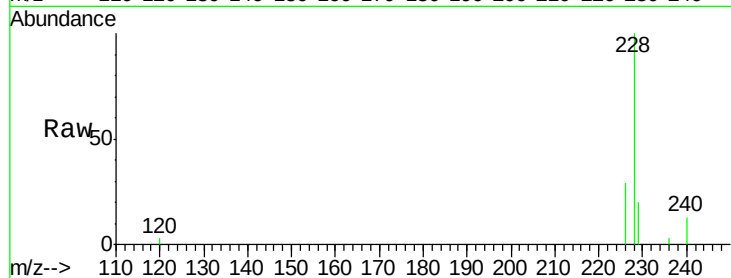
Tgt Ion:228 Resp: 29637

Ion Ratio Lower Upper

228 100

226 28.8 23.7 35.5

229 19.8 15.5 23.3



#23

Benzo(b)fluoranthene

Concen: 0.70 ng/ul

RT: 24.91 min Scan# 3615

Delta R.T. 0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

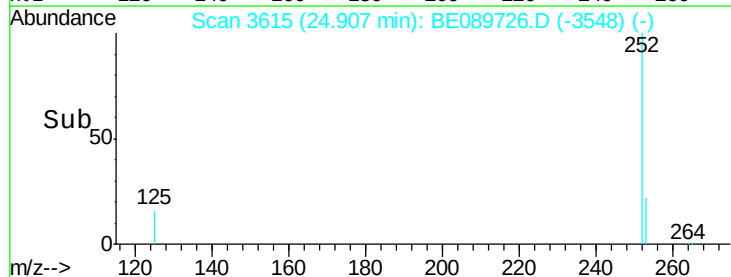
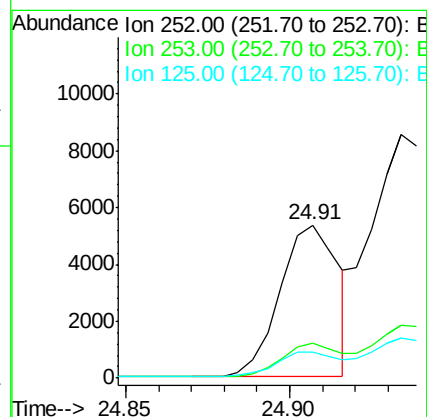
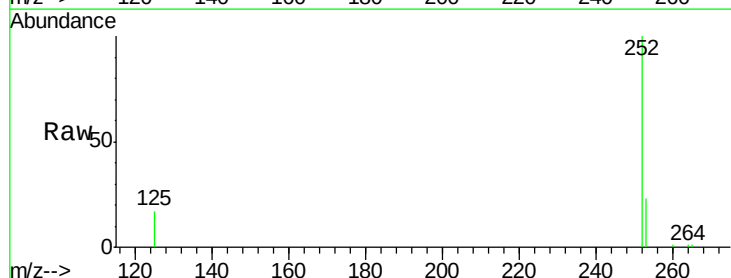
Tgt Ion:252 Resp: 6617

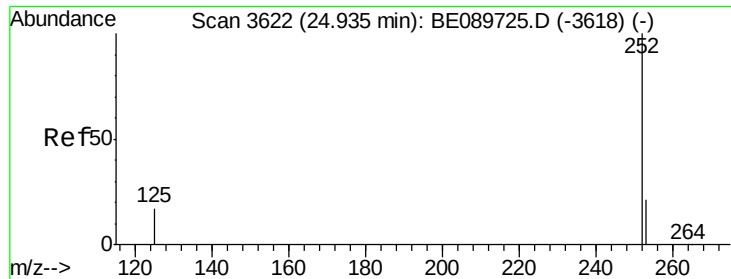
Ion Ratio Lower Upper

252 100

253 22.7 0.0 47.0

125 16.7 0.0 37.8





#24

Benzo(k)fluoranthene

Concen: 0.79 ng/ul

RT: 24.93 min Scan# 3621

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

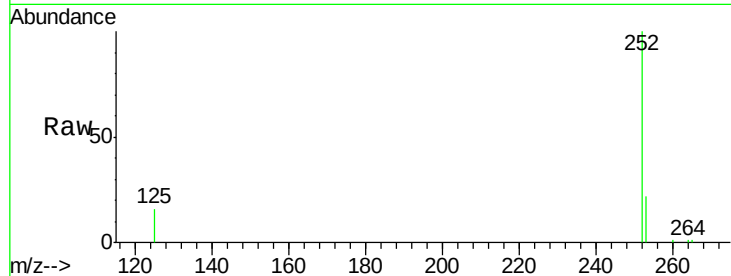
Tgt Ion:252 Resp: 25544

Ion Ratio Lower Upper

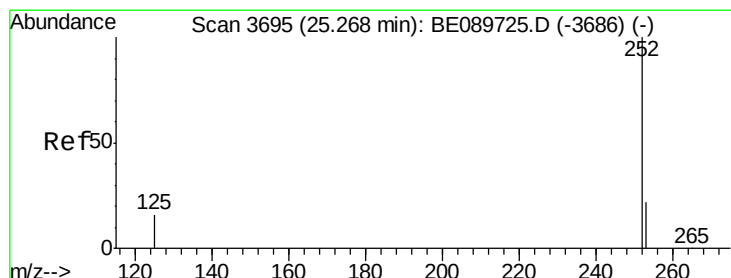
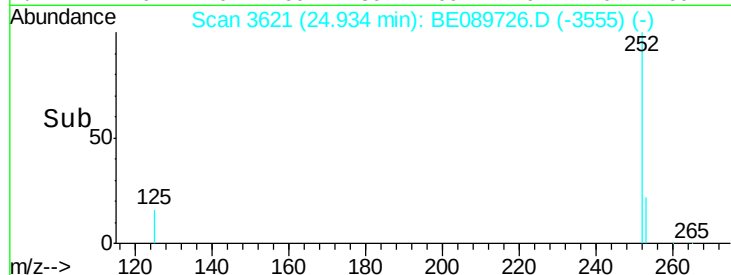
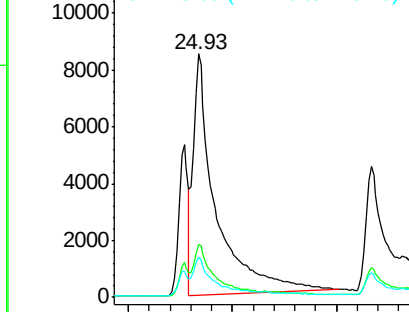
252 100

253 22.0 18.2 27.4

125 16.5 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: 0.72 ng/ul

RT: 25.27 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BE089726.D

Acq: 3 Mar 2015 13:08

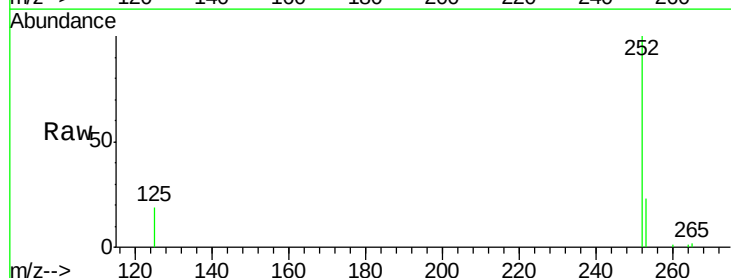
Tgt Ion:252 Resp: 10020

Ion Ratio Lower Upper

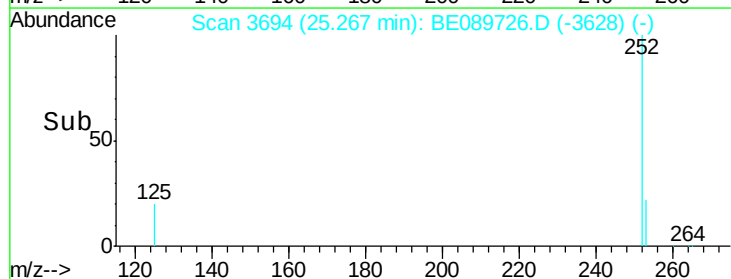
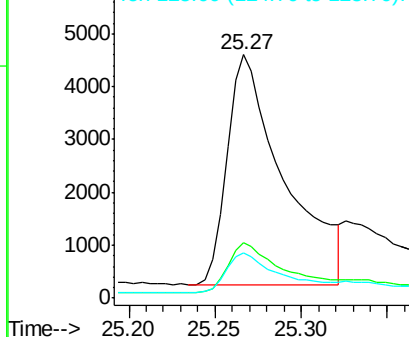
252 100

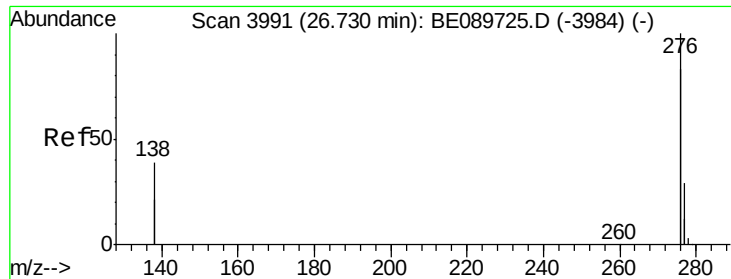
253 22.7 19.8 29.6

125 18.7 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

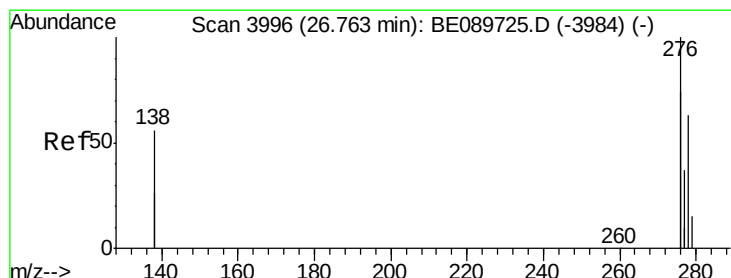
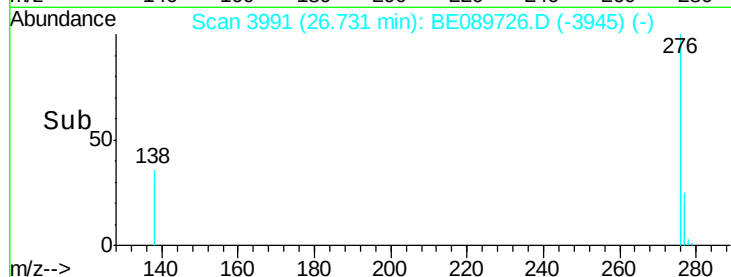
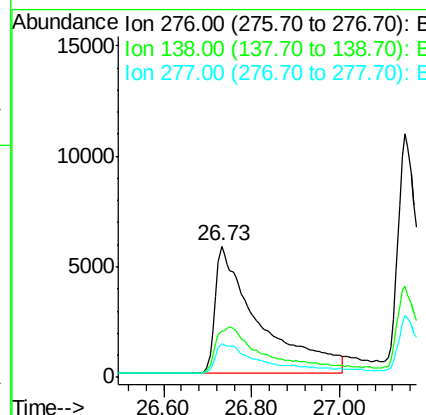
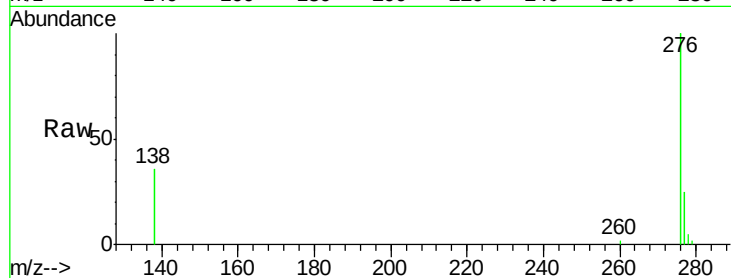




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.70 ng/ul
 RT: 26.73 min Scan# 3991
 Delta R.T. 0.00 min
 Lab File: BE089726.D
 Acq: 3 Mar 2015 13:08

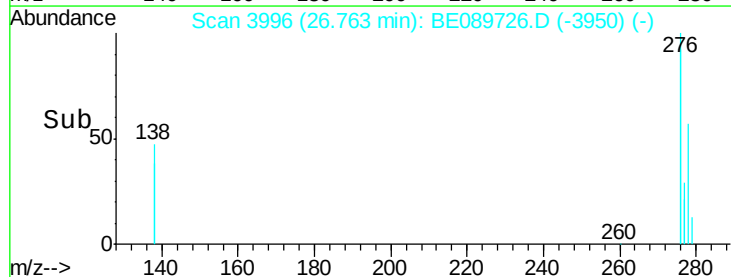
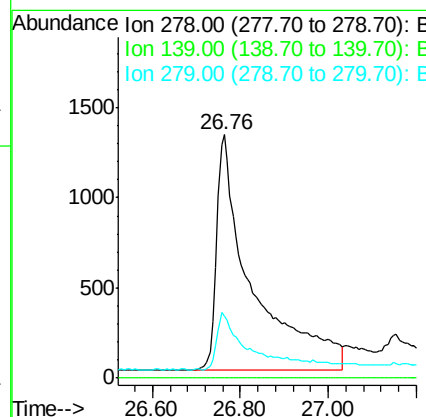
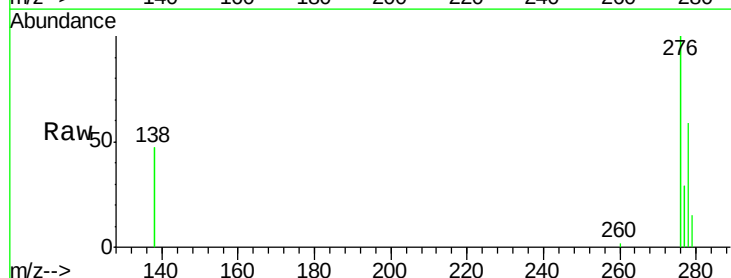
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.804

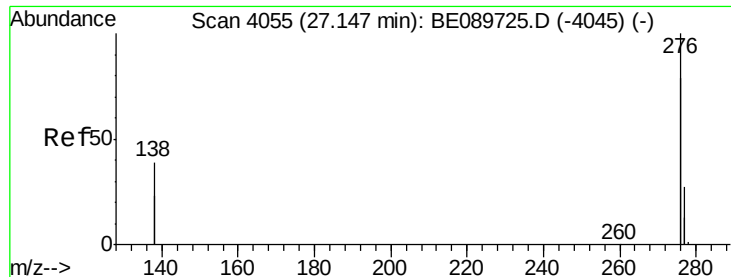
Tgt Ion: 276 Resp: 39806
 Ion Ratio Lower Upper
 276 100
 138 40.7 36.8 55.2
 277 24.5 20.6 31.0



#27
 Dibenzo(a,h)anthracene
 Concen: 0.70 ng/ul
 RT: 26.76 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: BE089726.D
 Acq: 3 Mar 2015 13:08

Tgt Ion: 278 Resp: 7300
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 25.3 25.4 38.2#





#28

Benzo(g,h,i)perylene

Concen: 0.67 ng/ul

RT: 27.15 min Scan# 4055

Delta R.T. 0.00 min

Lab File: BE089726.D

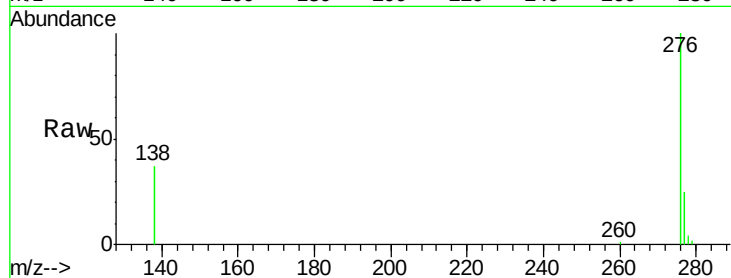
Acq: 3 Mar 2015 13:08

Instrument :

BNA_E

ClientSampleId :

SSTD0.804



Tgt Ion: 276 Resp: 49067

Ion Ratio Lower Upper

276 100

277 25.3 21.4 32.2

138 37.5 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

