

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
 Data File : BE089724.D
 Acq On : 3 Mar 2015 11:50
 Operator : TP/JJ
 Sample : SST00.202
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SST00.202

Quant Time: Mar 04 04:17:32 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	4931	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	20572	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	10142	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	15962	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	10145	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	6506	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.64	96	7208	1.26	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	4635	0.19	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	5297	0.18	ng/ul	0.00

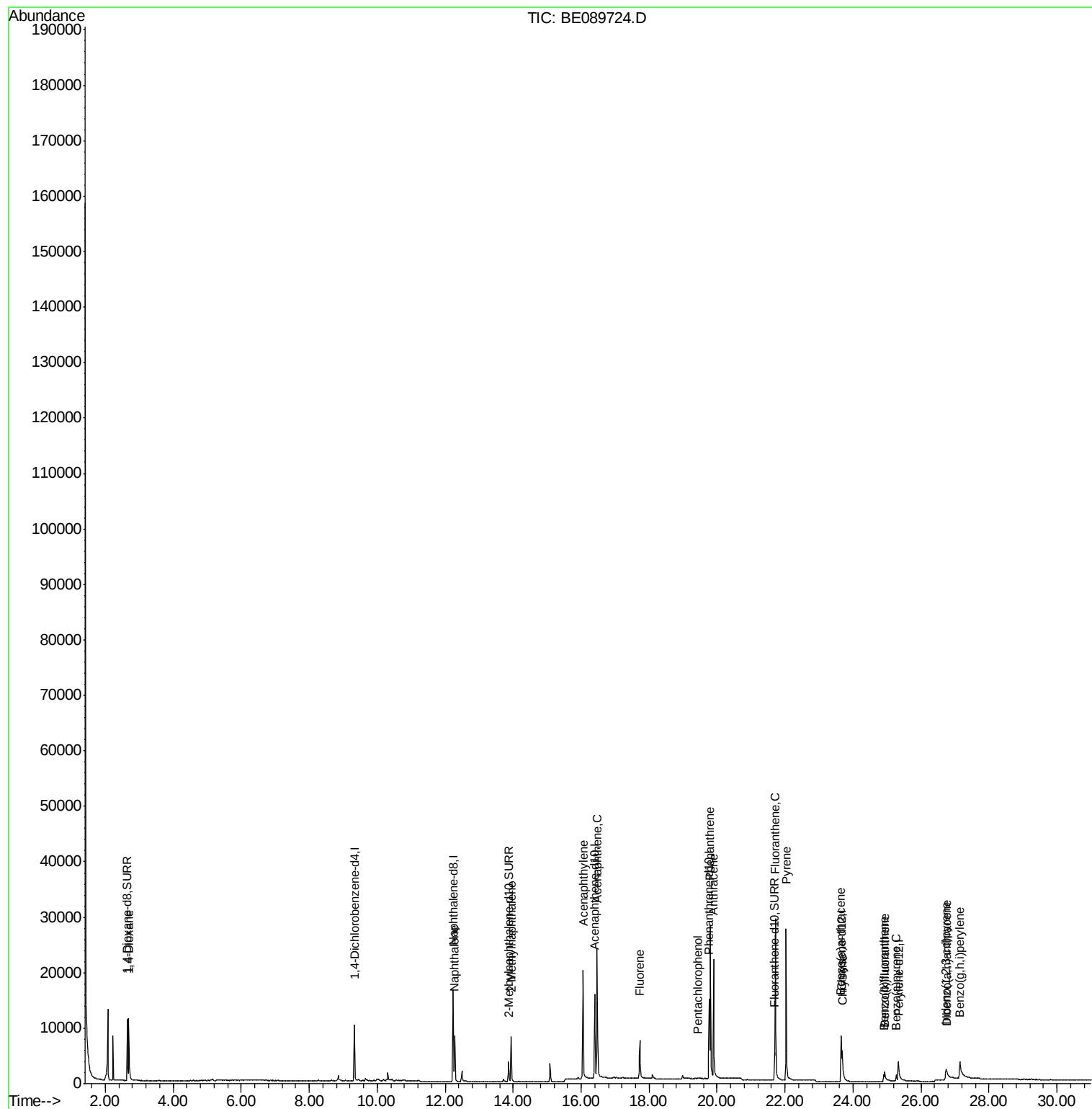
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.69	88	7887	1.25	ng/ul	99
5) Naphthalene	12.28	128	10314	0.22	ng/ul	100
7) 2-Methylnaphthalene	13.94	142	5804	0.20	ng/ul	99
9) Acenaphthylene	16.05	152	29199	0.22	ng/ul	99
10) Acenaphthene	16.47	153	22349	0.22	ng/ul	100
11) Fluorene	17.72	166	5839	0.20	ng/ul	100
13) Pentachlorophenol	19.43	266	119	0.15	ng/ul	92
14) Phenanthrene	19.80	178	34012	0.21	ng/ul	99
15) Anthracene	19.89	178	26775	0.21	ng/ul	99
17) Fluoranthene	21.72	202	30176	0.19	ng/ul	98
19) Pyrene	22.03	202	29543	0.26	ng/ul	99
20) Benzo(a)anthracene	23.64	228	2638	0.20	ng/ul	98
21) Chrysene	23.68	228	6496	0.22	ng/ul	98
23) Benzo(b)fluoranthene	24.91	252	1309	0.21	ng/ul	94
24) Benzo(k)fluoranthene	24.93	252	3974	0.18	ng/ul	97
25) Benzo(a)pyrene	25.26	252	1708	0.18	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	26.73	276	5369	0.14	ng/ul	91
27) Dibenzo(a,h)anthracene	26.76	278	1045	0.15	ng/ul	95
28) Benzo(g,h,i)perylene	27.15	276	9488	0.19	ng/ul	94

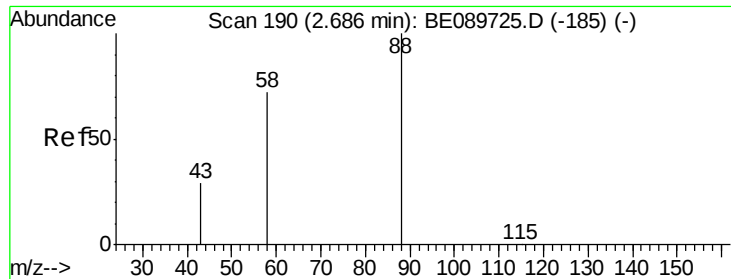
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
Data File : BE089724.D
Acq On : 3 Mar 2015 11:50
Operator : TP/JJ
Sample : SST0.202
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.202

Quant Time: Mar 04 04:17:32 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: 1.25 ng/ul

RT: 2.69 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

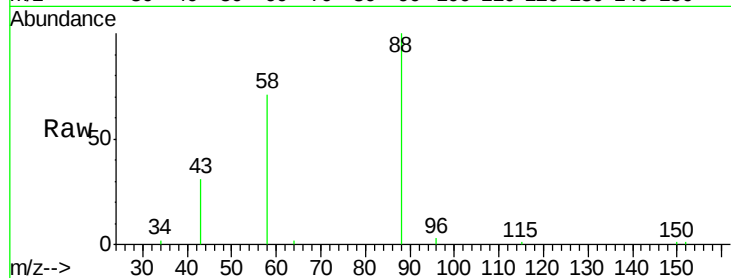
Tgt Ion: 88 Resp: 7887

Ion Ratio Lower Upper

88 100

58 76.5 61.3 91.9

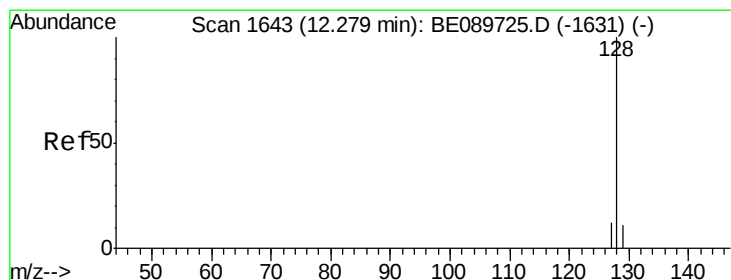
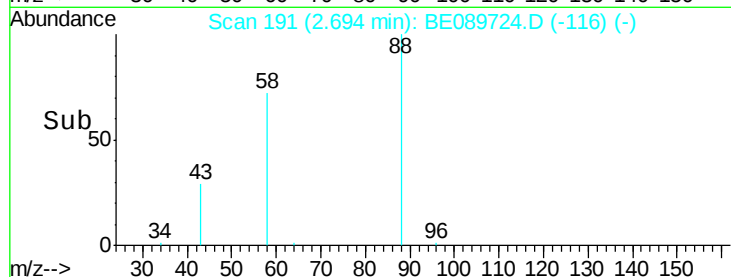
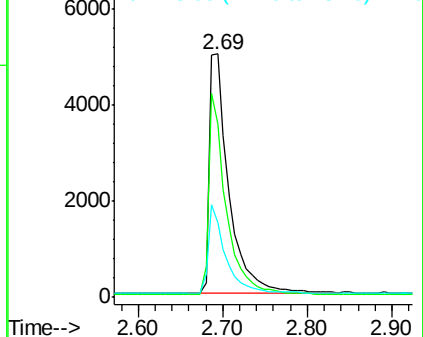
43 33.4 26.1 39.1



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: 0.22 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

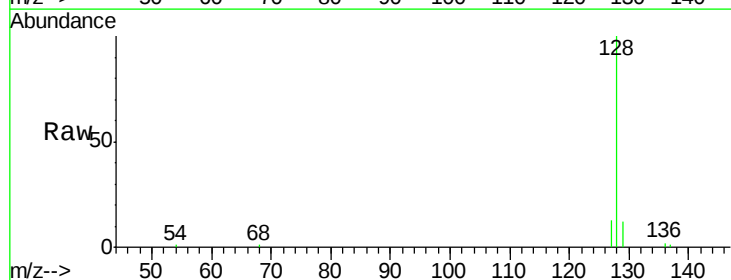
Tgt Ion: 128 Resp: 10314

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

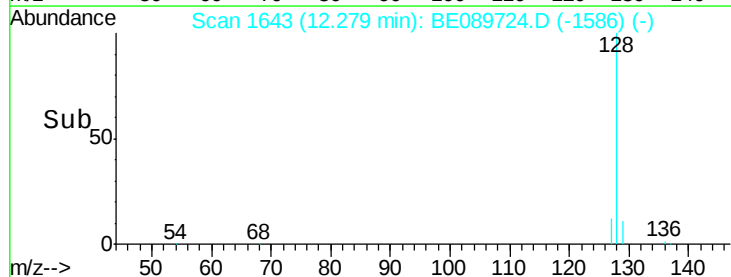
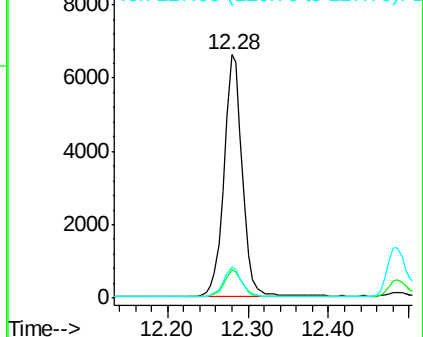
127 12.8 10.2 15.4

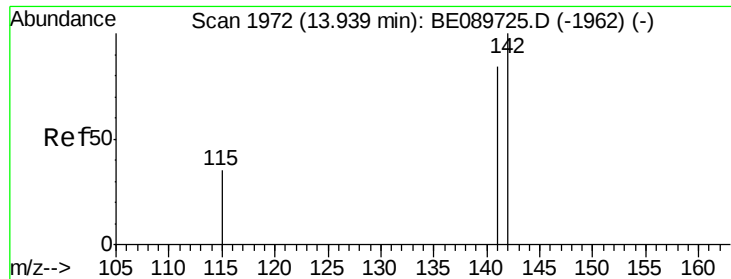


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 13.94 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

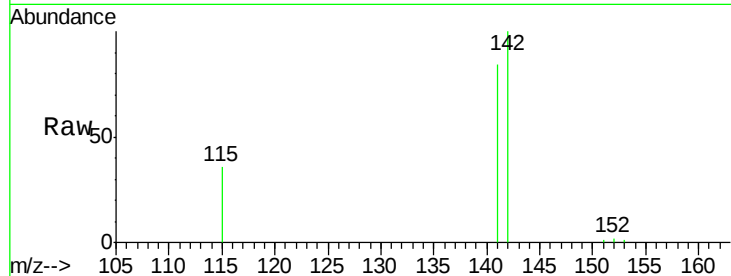
SSTD0.202

Tgt Ion:142 Resp: 5804

Ion Ratio Lower Upper

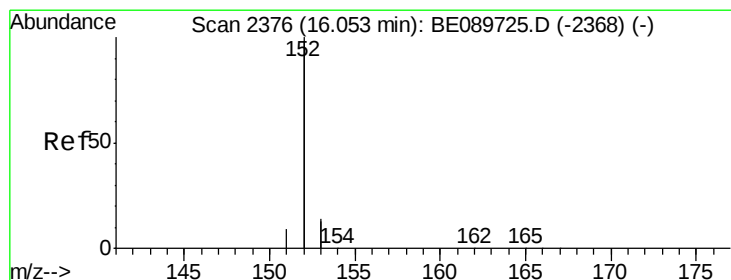
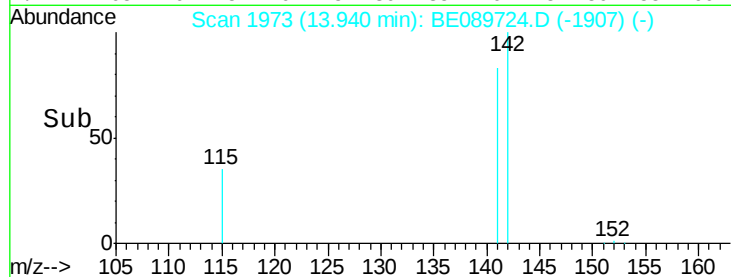
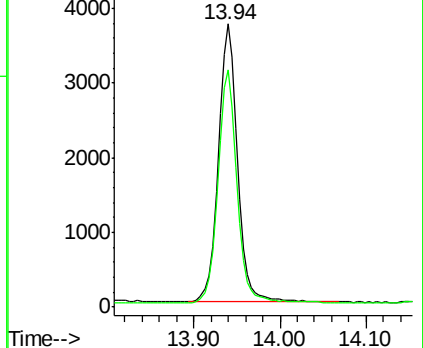
142 100

141 85.1 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: 0.22 ng/ul

RT: 16.05 min Scan# 2377

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

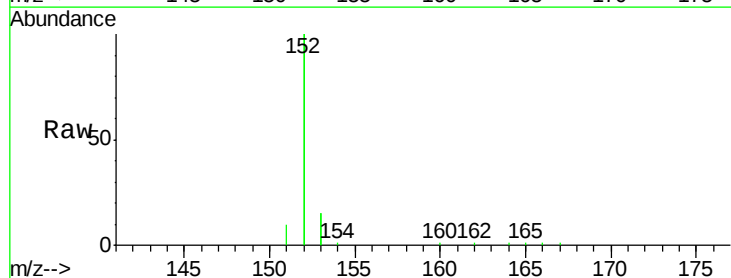
Tgt Ion:152 Resp: 29199

Ion Ratio Lower Upper

152 100

151 5.0 3.8 5.8

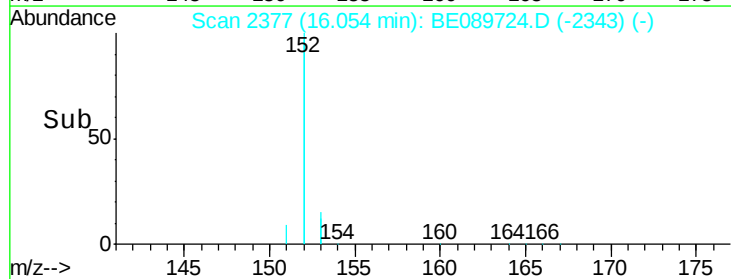
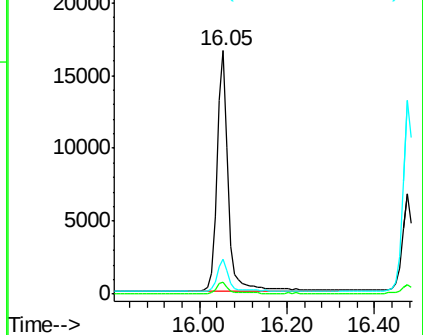
153 14.6 11.4 17.0

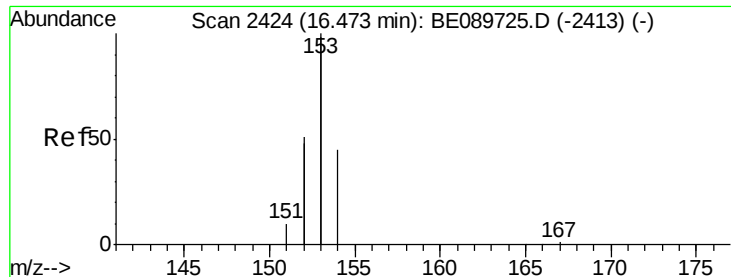


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.22 ng/ul

RT: 16.47 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

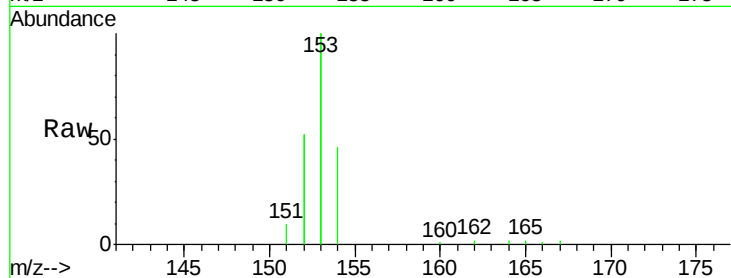
Tgt Ion:153 Resp: 22349

Ion Ratio Lower Upper

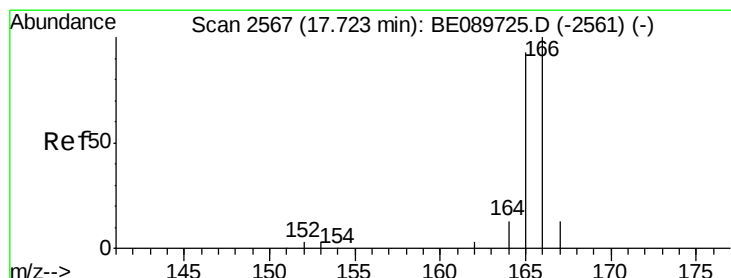
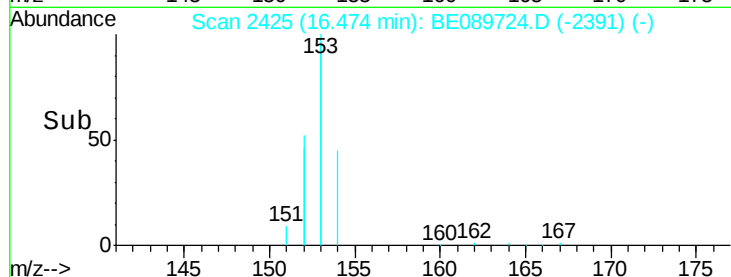
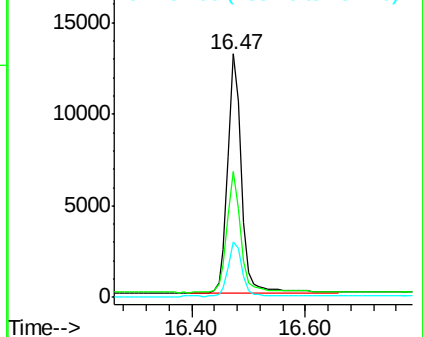
153 100

152 51.7 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: 0.20 ng/ul

RT: 17.72 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

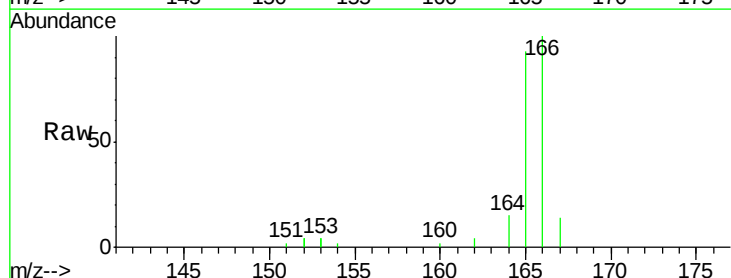
Tgt Ion:166 Resp: 5839

Ion Ratio Lower Upper

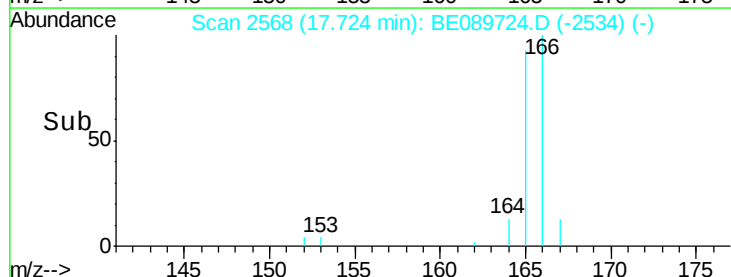
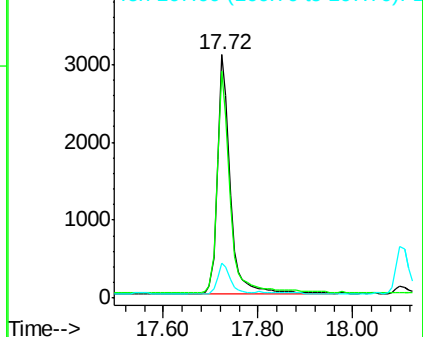
166 100

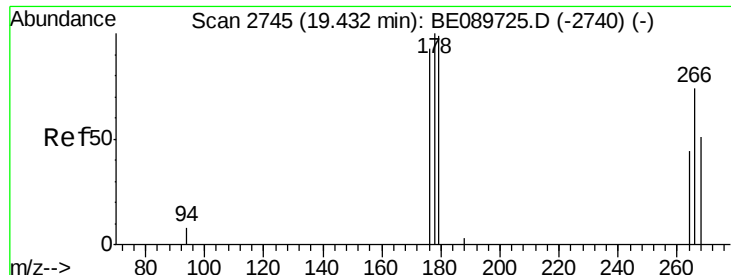
165 93.3 74.9 112.3

167 14.4 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: 0.15 ng/ul

RT: 19.43 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

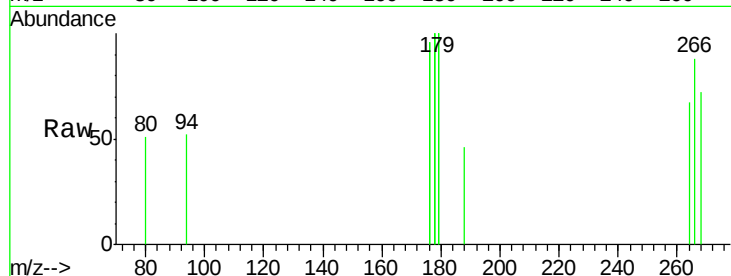
Tgt Ion:266 Resp: 119

Ion Ratio Lower Upper

266 100

264 58.0 49.4 74.2

268 68.1 47.9 71.9

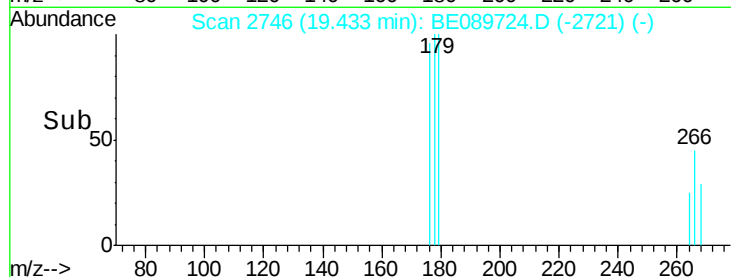


Abundance Ion 266.00 (265.70 to 266.70): E

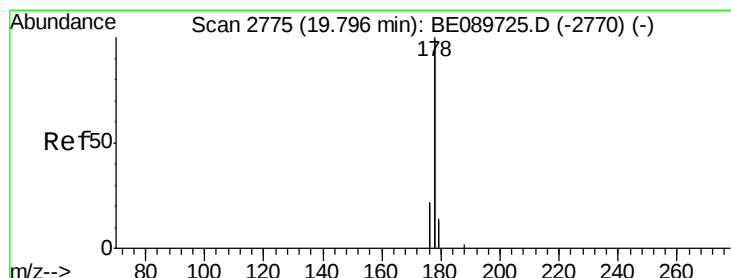
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

19.43



Time--> 19.30 19.40 19.50 19.60



#14

Phenanthrene

Concen: 0.21 ng/ul

RT: 19.80 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

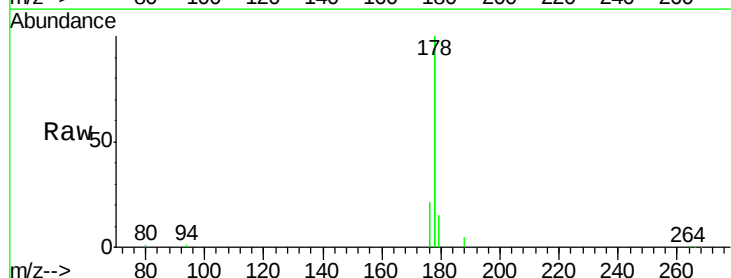
Tgt Ion:178 Resp: 34012

Ion Ratio Lower Upper

178 100

176 21.4 17.6 26.4

179 14.9 11.6 17.4

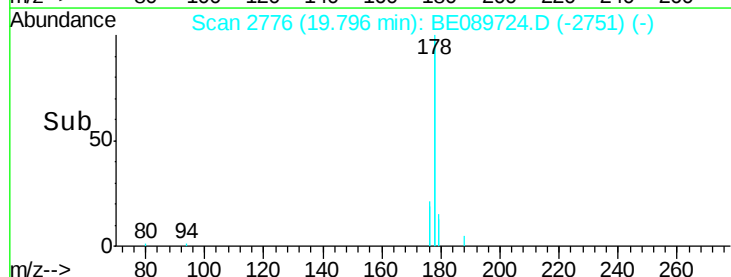


Abundance Ion 178.00 (177.70 to 178.70): E

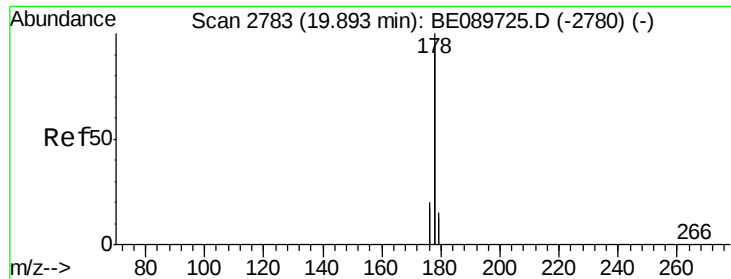
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

19.80



Time--> 19.70 19.80



#15

Anthracene

Concen: 0.21 ng/ul

RT: 19.89 min Scan# 2784

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

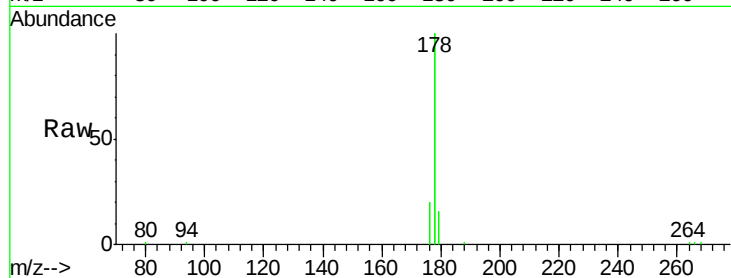
Tgt Ion:178 Resp: 26775

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.6

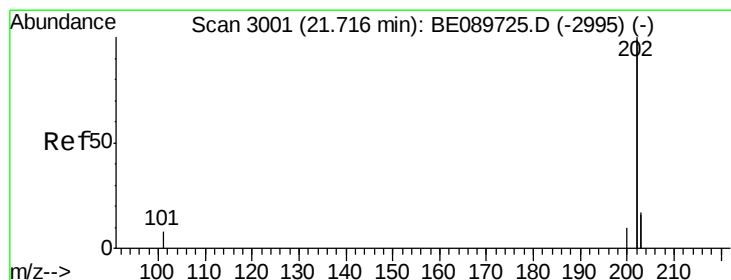
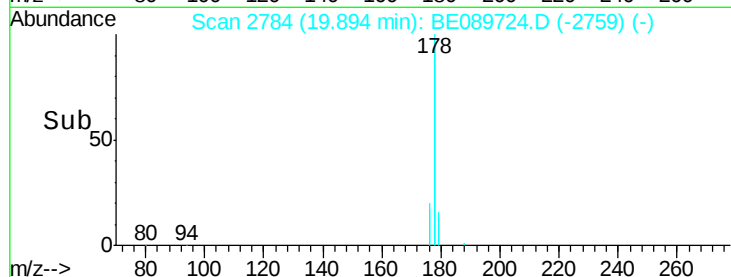
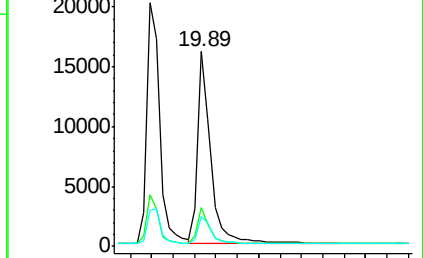
179 15.6 12.0 18.0



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: 0.19 ng/ul

RT: 21.72 min Scan# 3002

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

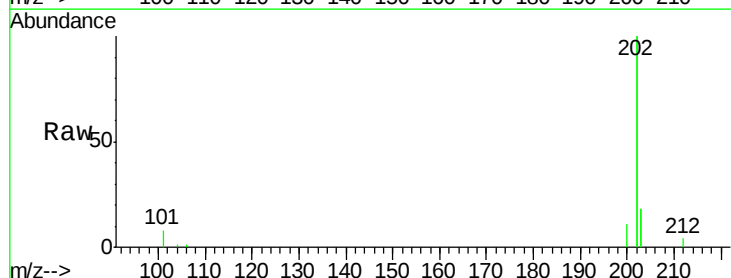
Tgt Ion:202 Resp: 30176

Ion Ratio Lower Upper

202 100

101 4.1 0.0 24.2

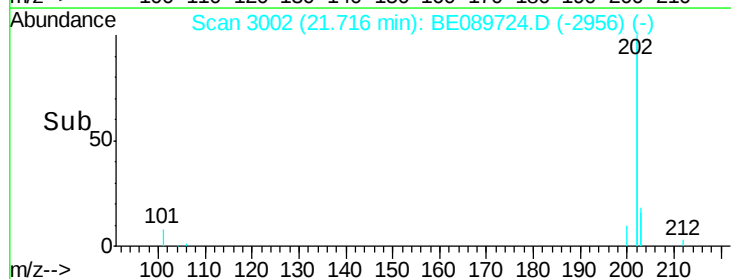
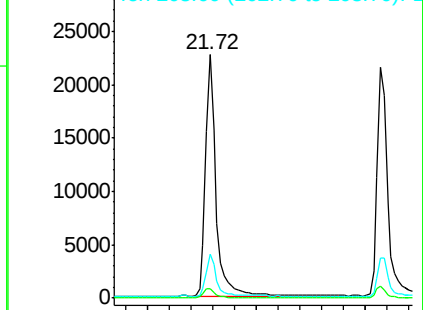
203 17.9 0.0 37.0

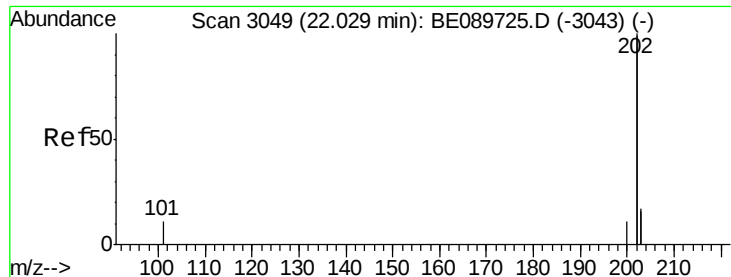


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.26 ng/ul

RT: 22.03 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

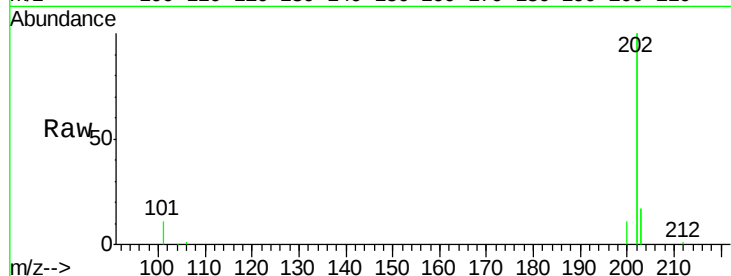
Tgt Ion:202 Resp: 29543

Ion Ratio Lower Upper

202 100

200 5.5 4.4 6.6

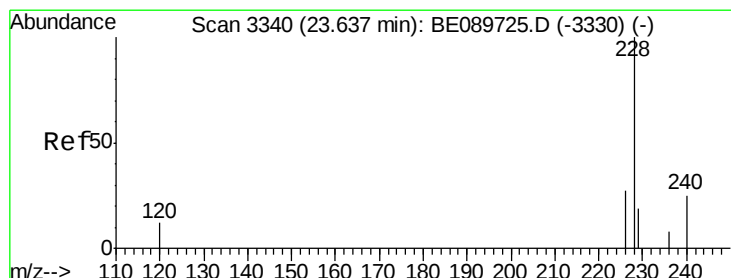
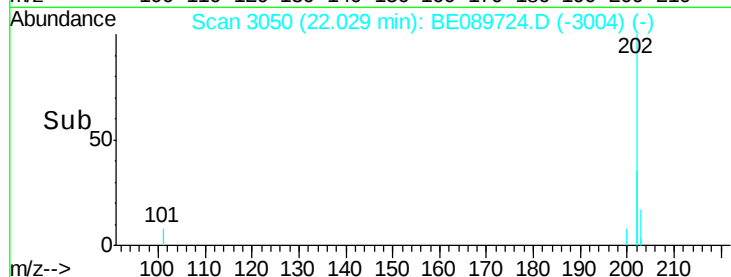
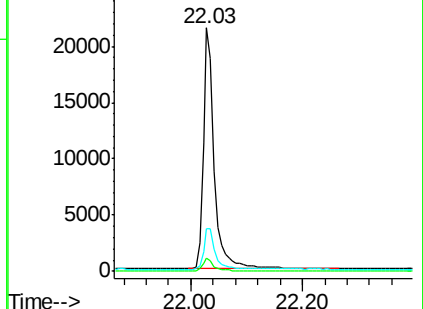
203 17.4 13.6 20.4



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: 0.20 ng/ul

RT: 23.64 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

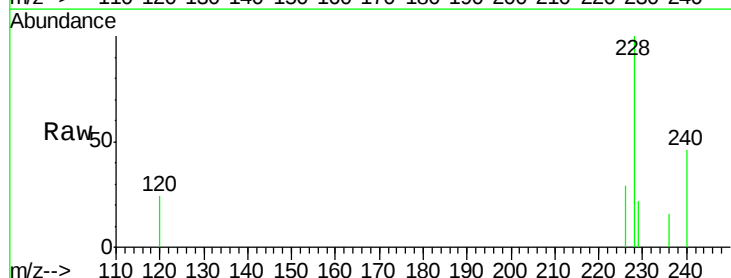
Tgt Ion:228 Resp: 2638

Ion Ratio Lower Upper

228 100

226 28.7 22.8 34.2

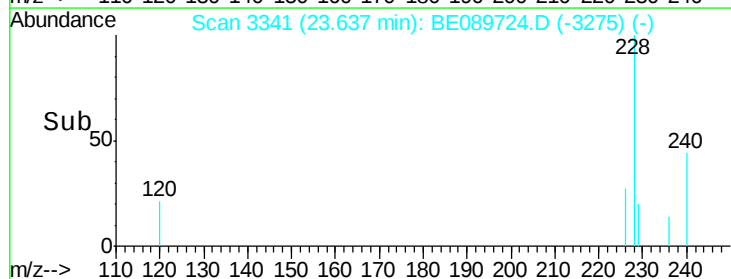
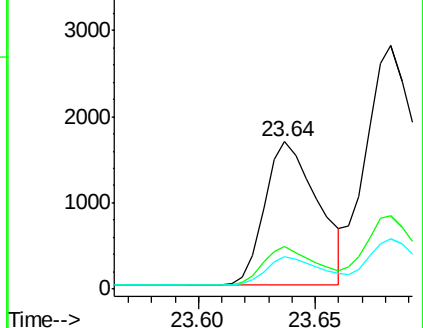
229 21.8 16.2 24.2

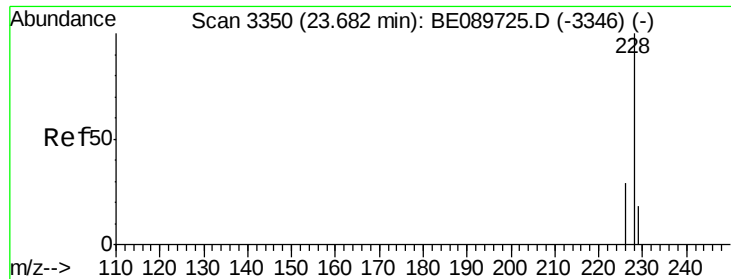


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.22 ng/ul

RT: 23.68 min Scan# 3351

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

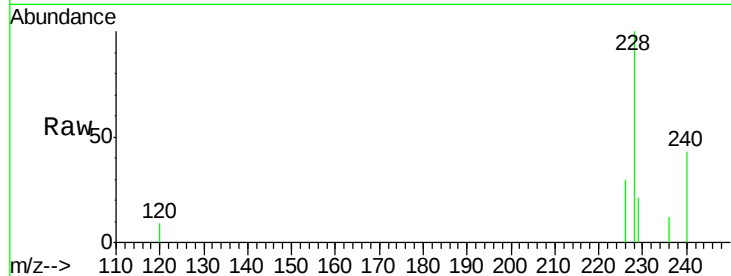
Tgt Ion:228 Resp: 6496

Ion Ratio Lower Upper

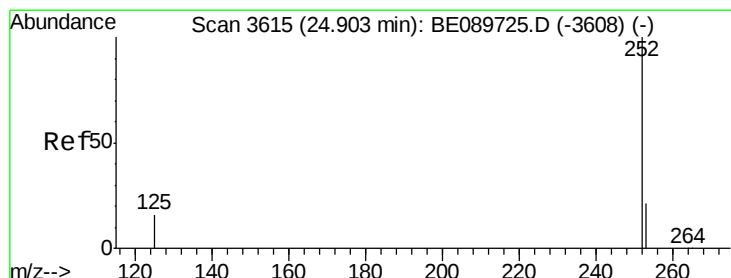
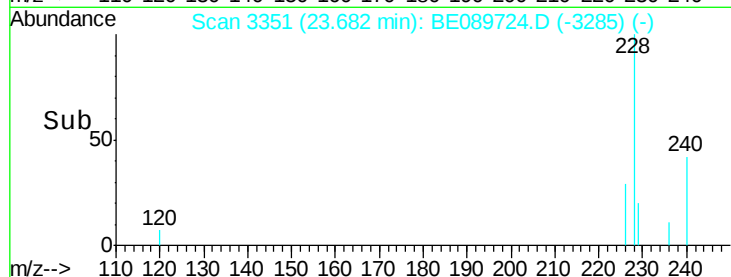
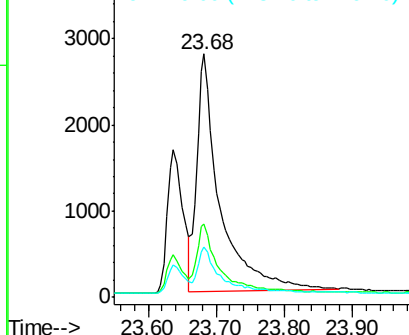
228 100

226 29.9 23.7 35.5

229 20.8 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: 0.21 ng/ul

RT: 24.91 min Scan# 3616

Delta R.T. 0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

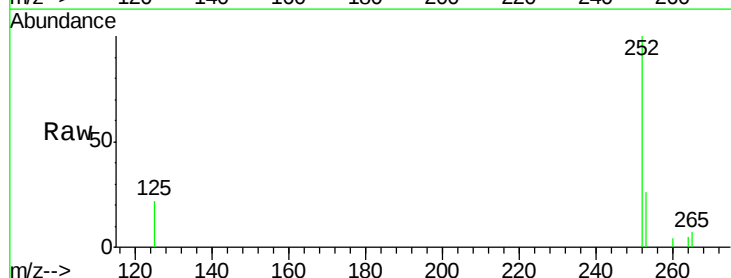
Tgt Ion:252 Resp: 1309

Ion Ratio Lower Upper

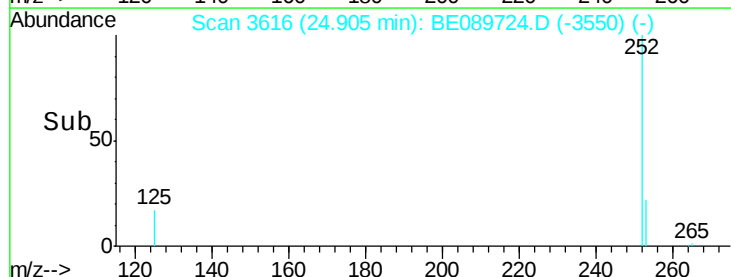
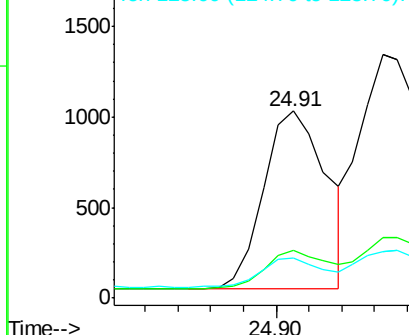
252 100

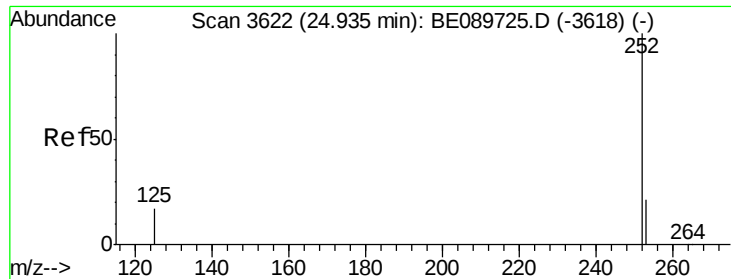
253 25.9 0.0 47.0

125 21.8 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: 0.18 ng/ul

RT: 24.93 min Scan# 3622

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

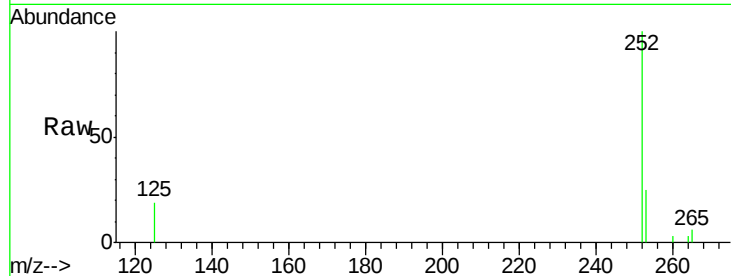
Tgt Ion:252 Resp: 3974

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.4

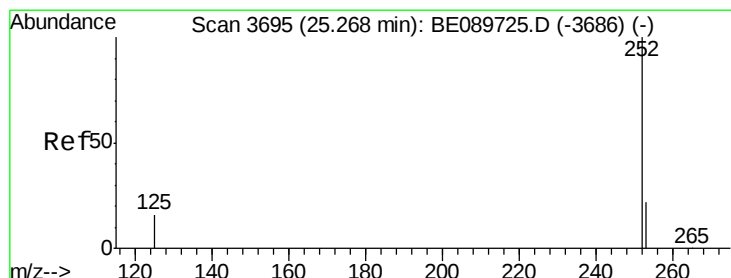
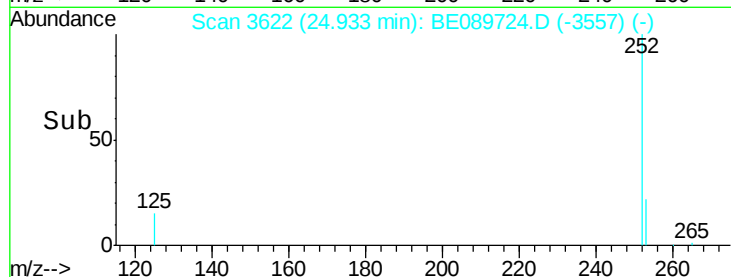
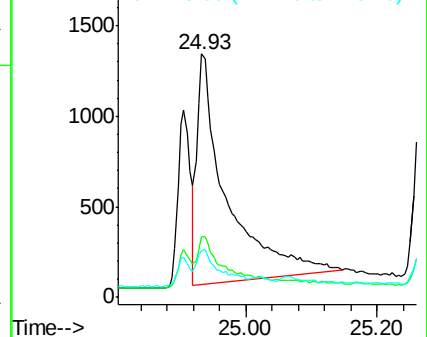
125 19.3 14.6 22.0



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: 0.18 ng/ul

RT: 25.26 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

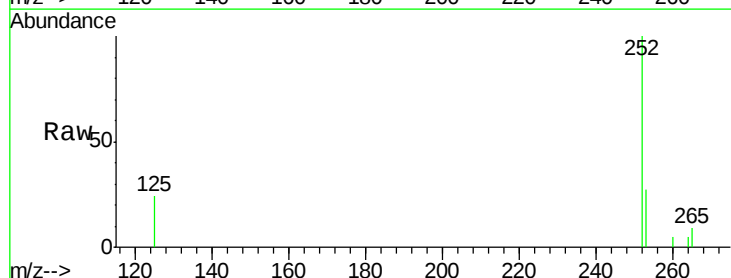
Tgt Ion:252 Resp: 1708

Ion Ratio Lower Upper

252 100

253 26.8 19.8 29.6

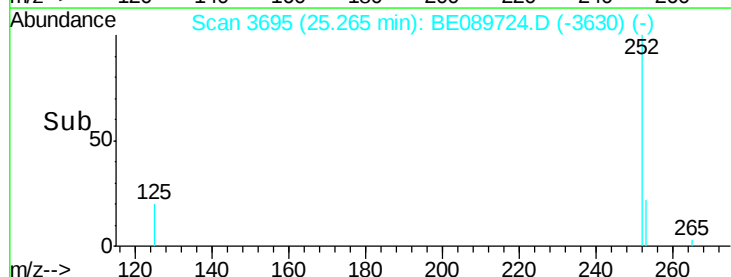
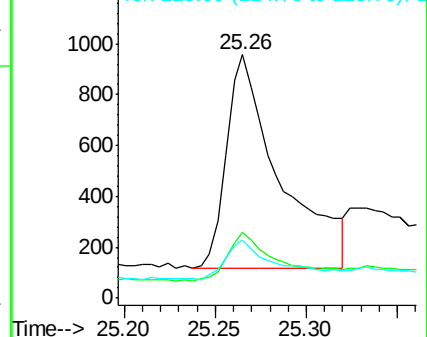
125 23.6 16.0 24.0

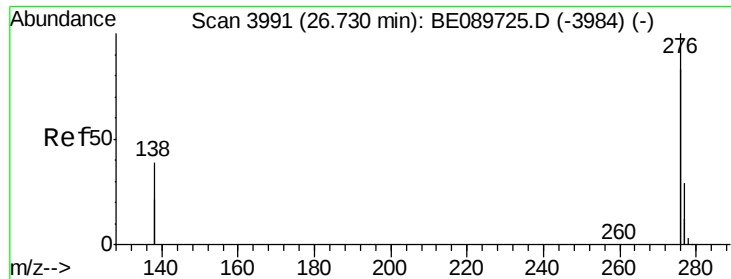


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.14 ng/ul

RT: 26.73 min Scan# 3992

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

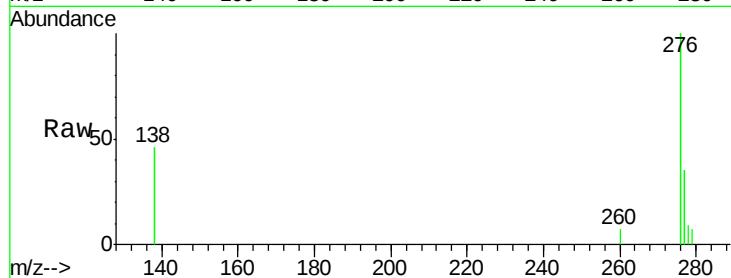
Tgt Ion:276 Resp: 5369

Ion Ratio Lower Upper

276 100

138 36.9 36.8 55.2

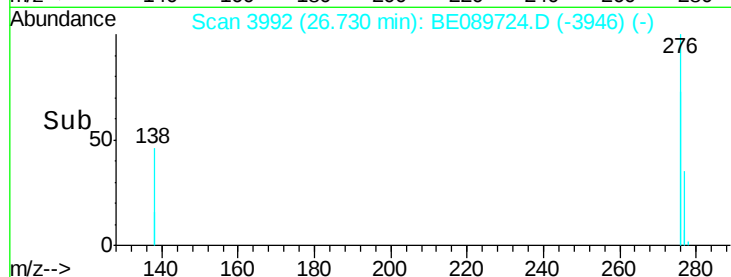
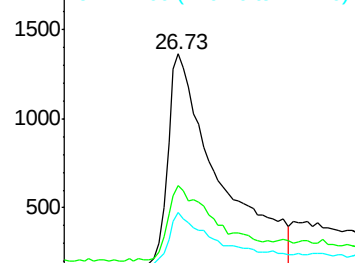
277 25.0 20.6 31.0



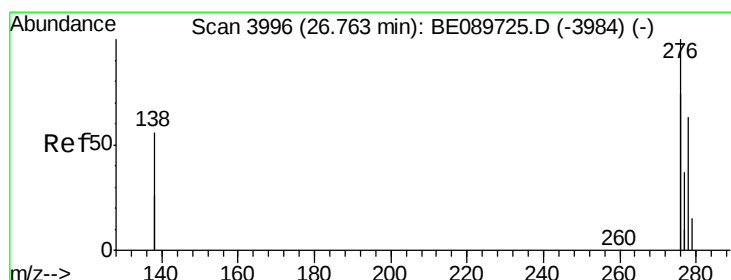
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#27

Dibenzo(a,h)anthracene

Concen: 0.15 ng/ul

RT: 26.76 min Scan# 3997

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

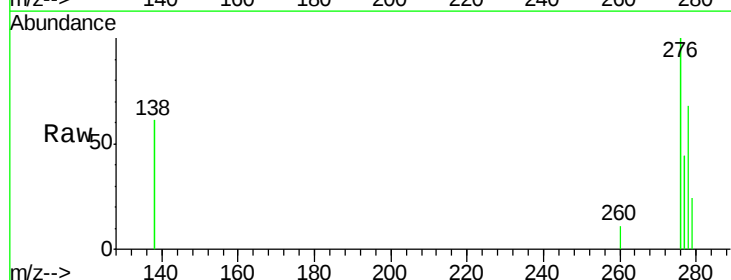
Tgt Ion:278 Resp: 1045

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

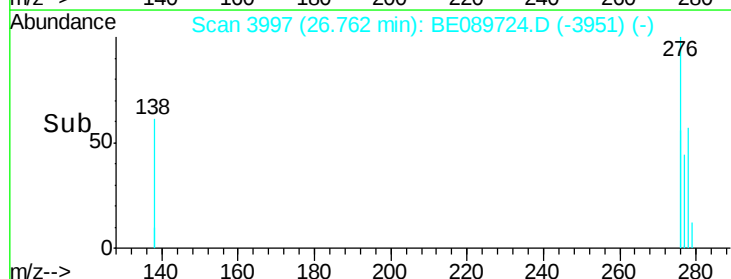
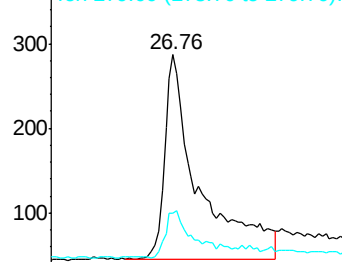
279 34.8 25.4 38.2



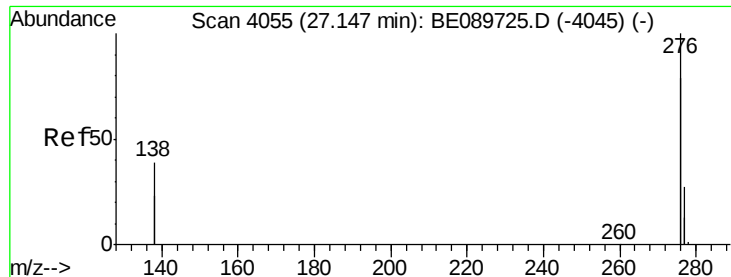
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#28

Benzo(g,h,i)perylene

Concen: 0.19 ng/ul

RT: 27.15 min Scan# 4056

Delta R.T. -0.00 min

Lab File: BE089724.D

Acq: 3 Mar 2015 11:50

Instrument :

BNA_E

ClientSampleId :

SSTD0.202

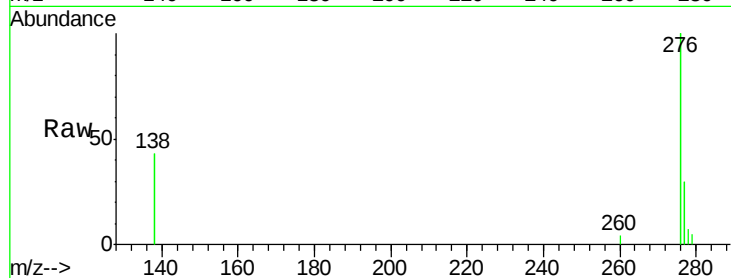
Tgt Ion:276 Resp: 9488

Ion Ratio Lower Upper

276 100

277 30.2 21.4 32.2

138 42.8 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

