

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
 Data File : BE089725.D
 Acq On : 3 Mar 2015 12:29
 Operator : TP/JJ
 Sample : SSTD0.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.403

Quant Time: Mar 04 04:17:44 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	4390	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	17816	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	7366	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	13353	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	9728	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	6352	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.63	96	11667	2.29	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	6859	0.32	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	8458	0.34	ng/ul	0.00

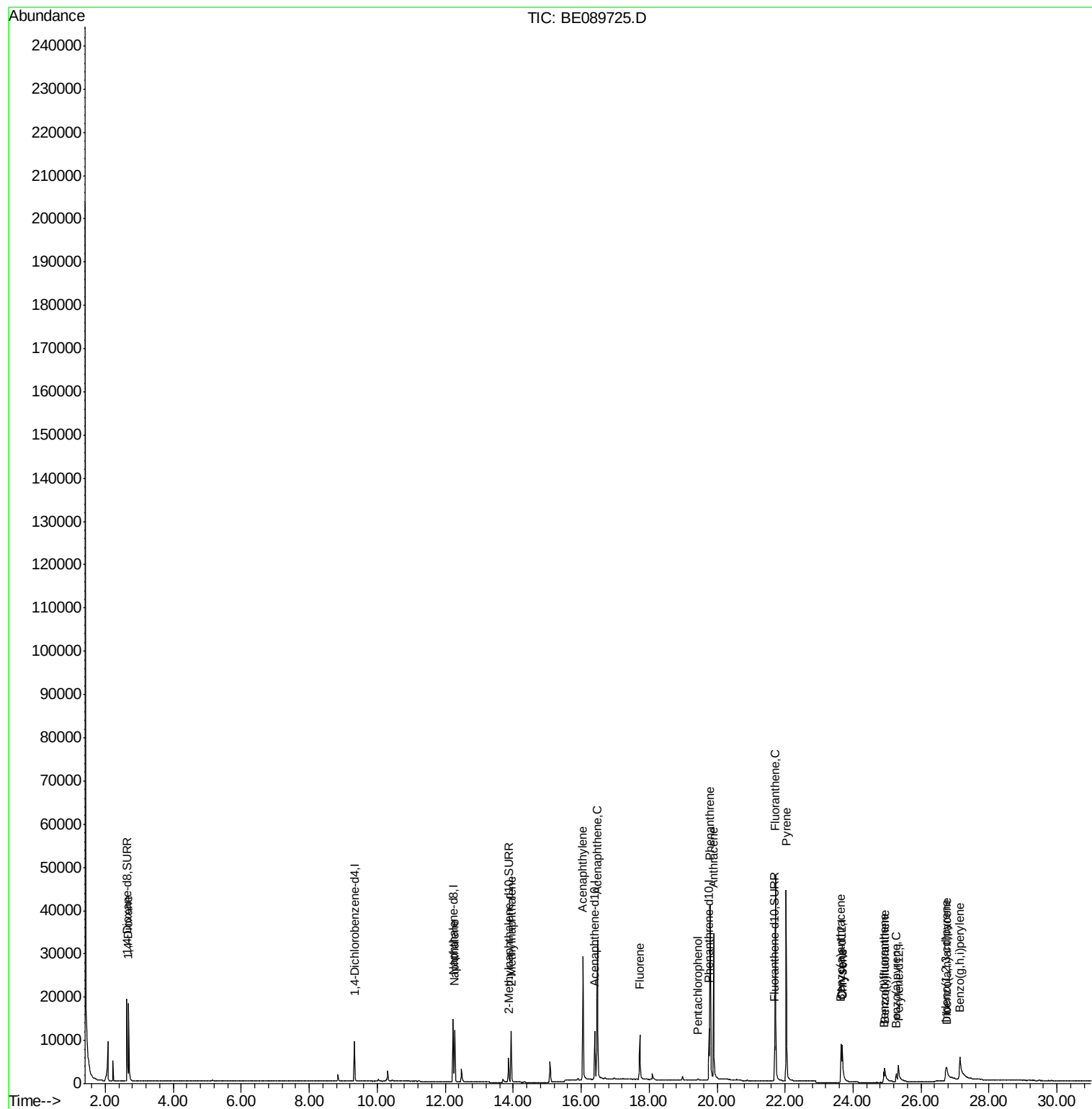
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.69	88	12801	2.28	ng/ul	100
5) Naphthalene	12.28	128	15286	0.38	ng/ul	100
7) 2-Methylnaphthalene	13.94	142	8624	0.34	ng/ul	100
9) Acenaphthylene	16.05	152	41763	0.43	ng/ul	100
10) Acenaphthene	16.47	153	31482	0.42	ng/ul	100
11) Fluorene	17.72	166	8413	0.40	ng/ul	100
13) Pentachlorophenol	19.43	266	212	0.32	ng/ul	100
14) Phenanthrene	19.80	178	49758	0.38	ng/ul	100
15) Anthracene	19.89	178	41096	0.38	ng/ul	100
17) Fluoranthene	21.72	202	48092	0.36	ng/ul	100
19) Pyrene	22.03	202	47441	0.44	ng/ul	100
20) Benzo(a)anthracene	23.64	228	4606	0.36	ng/ul	100
21) Chrysene	23.68	228	11051	0.40	ng/ul	100
23) Benzo(b)fluoranthene	24.90	252	2128	0.34	ng/ul	100
24) Benzo(k)fluoranthene	24.94	252	8048	0.38	ng/ul	100
25) Benzo(a)pyrene	25.27	252	2930	0.32	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	26.73	276	8523	0.23	ng/ul	100
27) Dibenzo(a,h)anthracene	26.76	278	1784	0.26	ng/ul	100
28) Benzo(g,h,i)perylene	27.15	276	14643	0.31	ng/ul	100

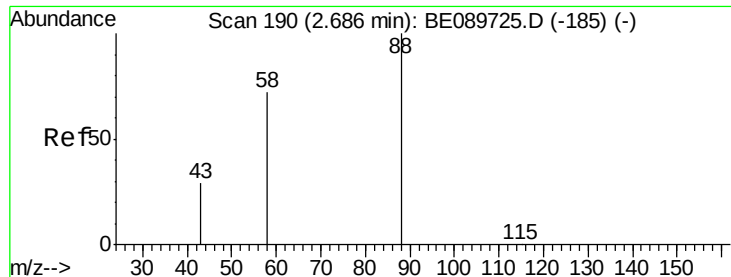
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030315\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 04 04:17:44 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE030315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

1,4-Dioxane

Concen: 2.28 ng/ul

RT: 2.69 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

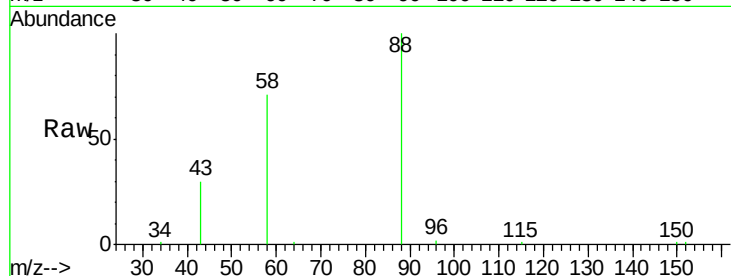
Tgt Ion: 88 Resp: 12801

Ion Ratio Lower Upper

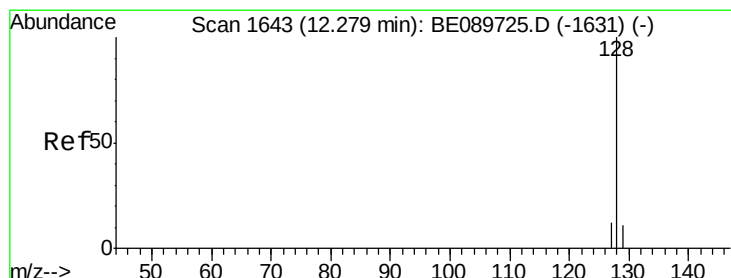
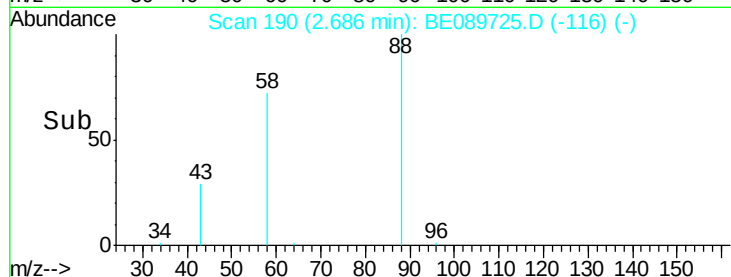
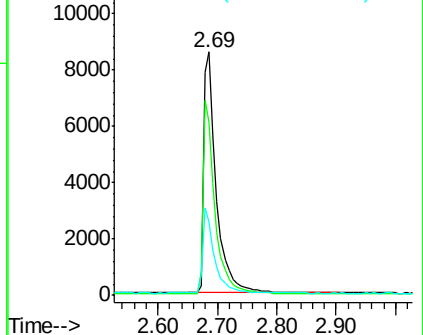
88 100

58 76.6 61.3 91.9

43 32.6 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: 0.38 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

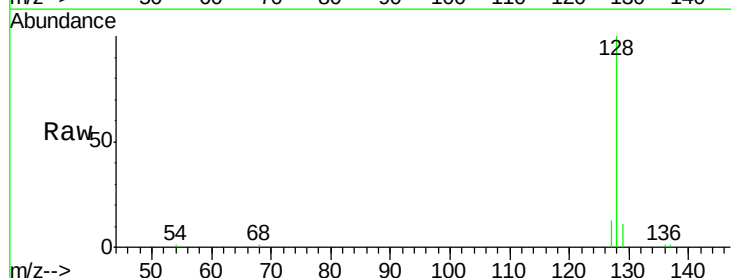
Tgt Ion: 128 Resp: 15286

Ion Ratio Lower Upper

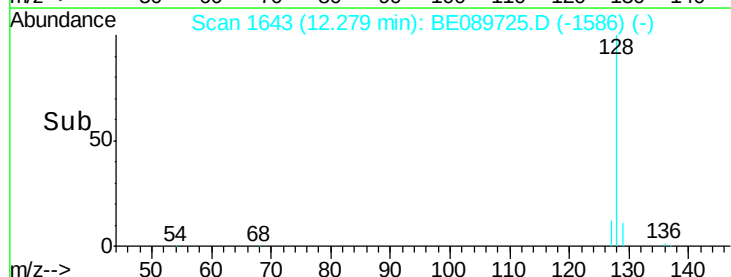
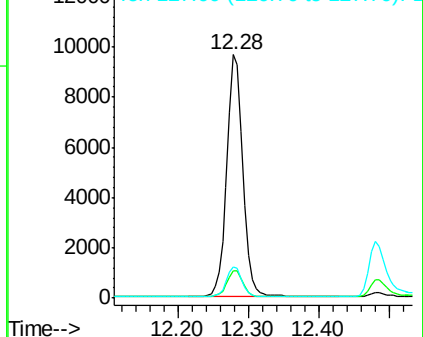
128 100

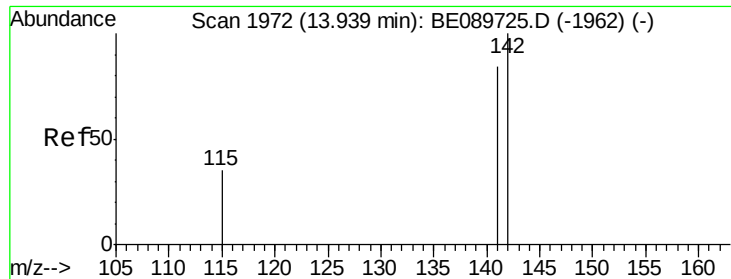
129 11.3 9.0 13.6

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: 0.34 ng/ul

RT: 13.94 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

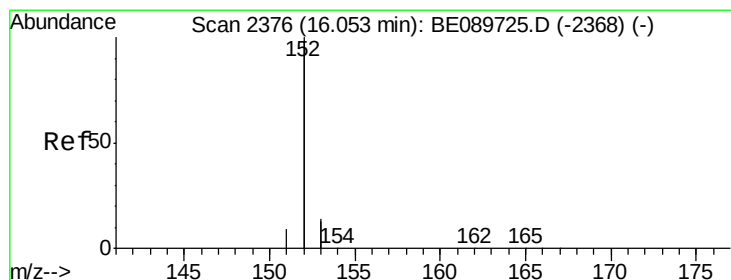
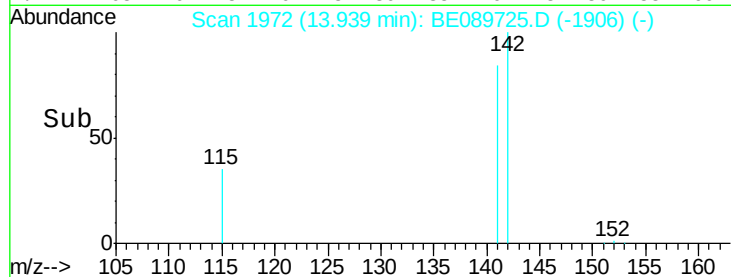
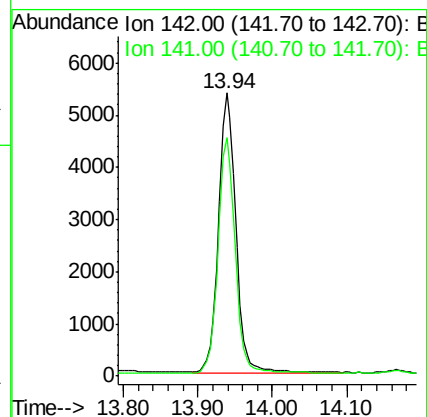
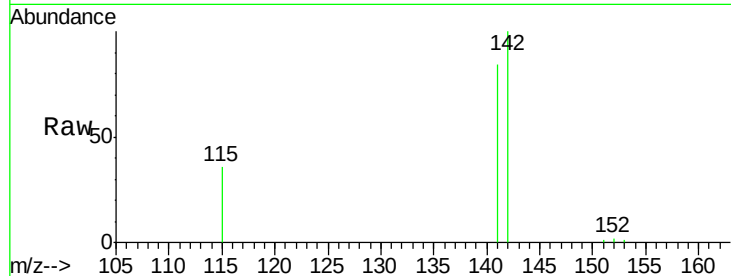
SSTD0.403

Tgt Ion:142 Resp: 8624

Ion Ratio Lower Upper

142 100

141 84.2 67.4 101.0



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

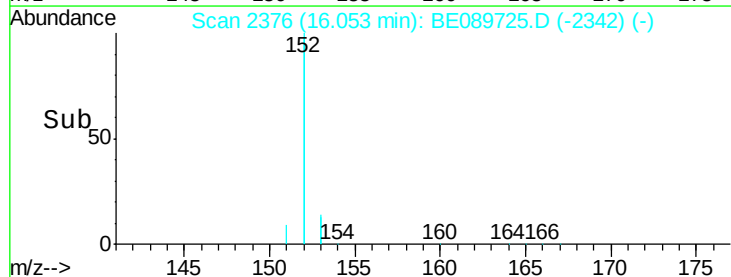
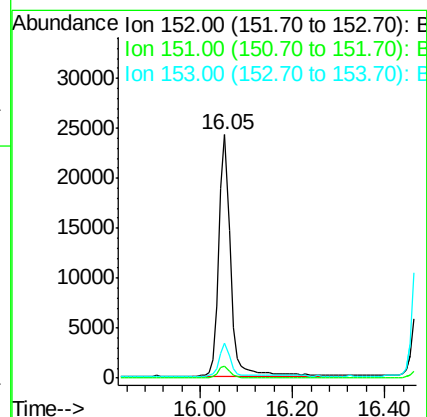
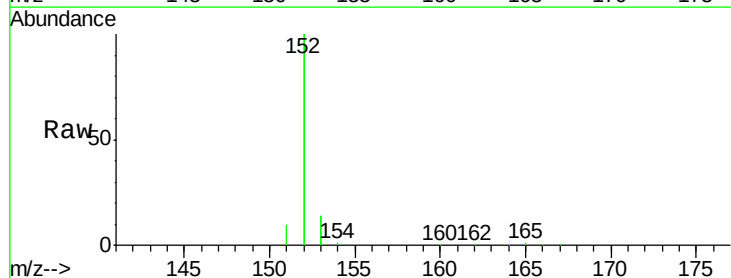
Tgt Ion:152 Resp: 41763

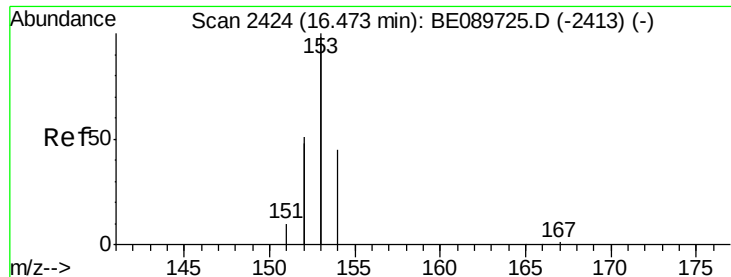
Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

153 14.2 11.4 17.0





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 16.47 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

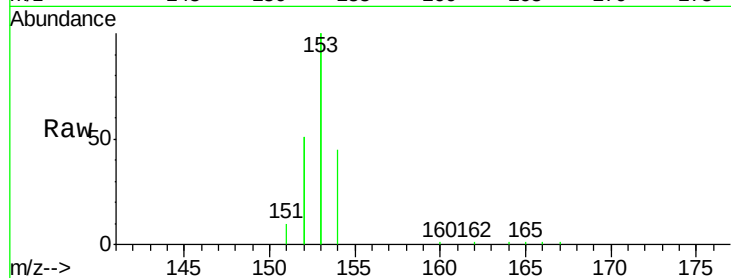
Tgt Ion:153 Resp: 31482

Ion Ratio Lower Upper

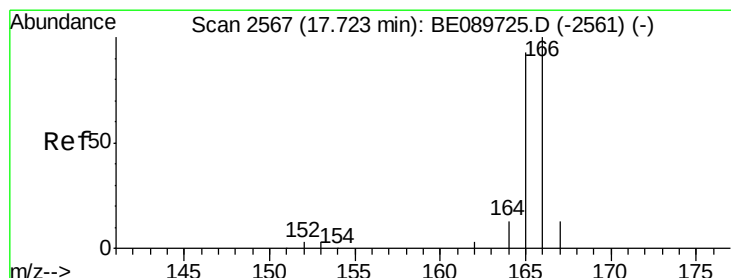
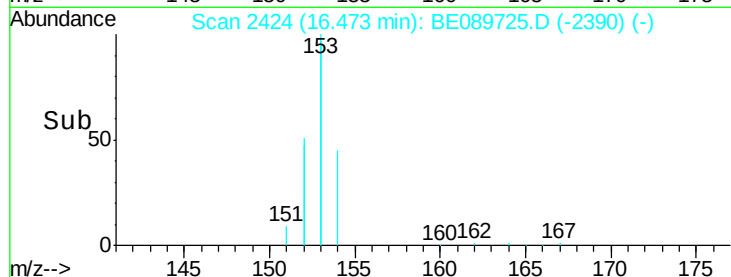
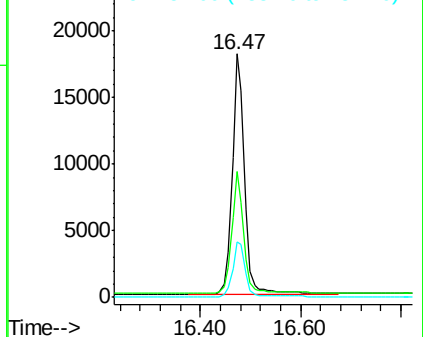
153 100

152 51.5 41.2 61.8

154 22.7 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: 0.40 ng/ul

RT: 17.72 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

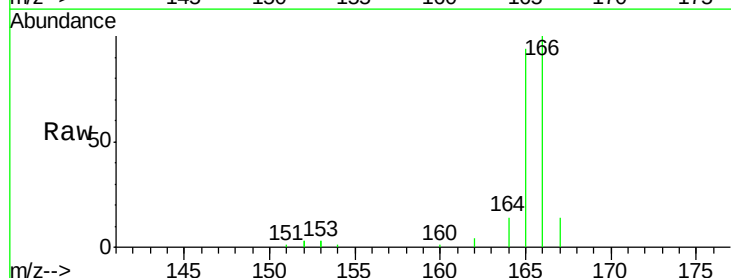
Tgt Ion:166 Resp: 8413

Ion Ratio Lower Upper

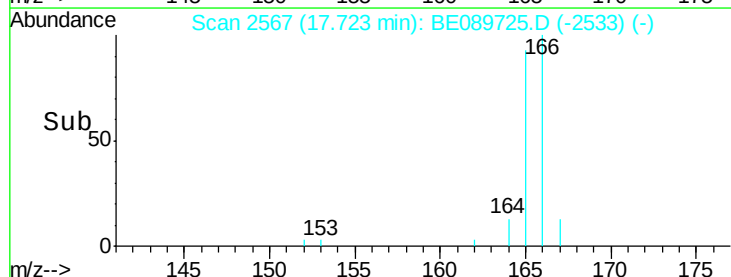
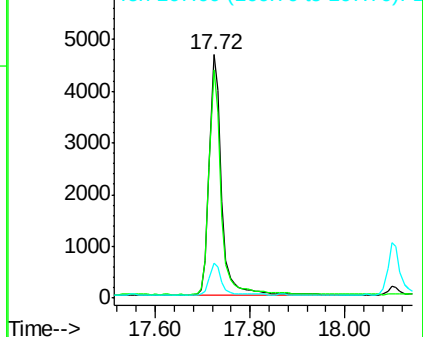
166 100

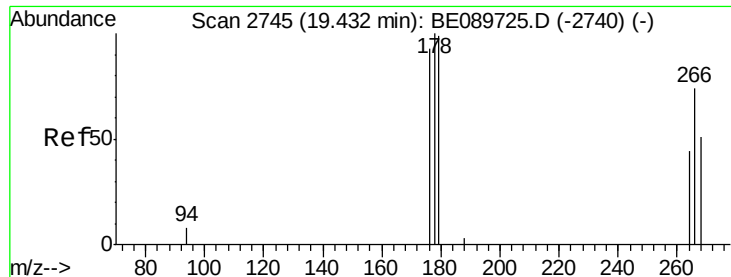
165 93.6 74.9 112.3

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: 0.32 ng/ul

RT: 19.43 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

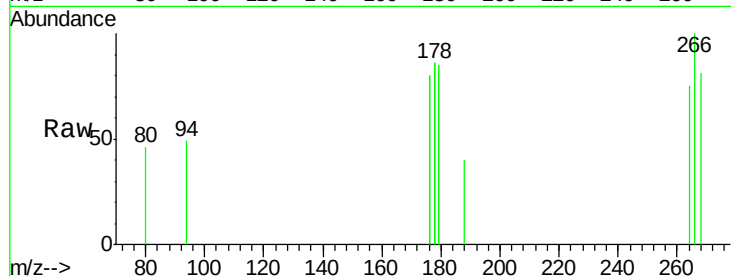
Tgt Ion:266 Resp: 212

Ion Ratio Lower Upper

266 100

264 61.8 49.4 74.2

268 59.9 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

150

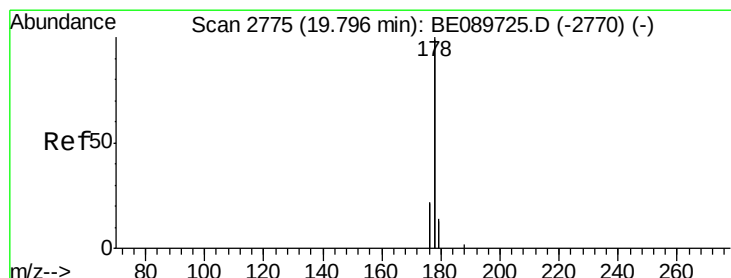
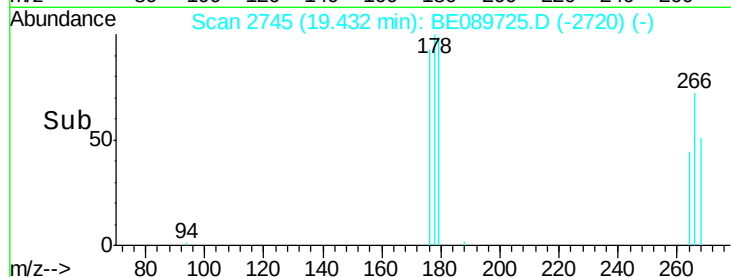
100

50

0

19.40 19.60

Time-->



#14

Phenanthrene

Concen: 0.38 ng/ul

RT: 19.80 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

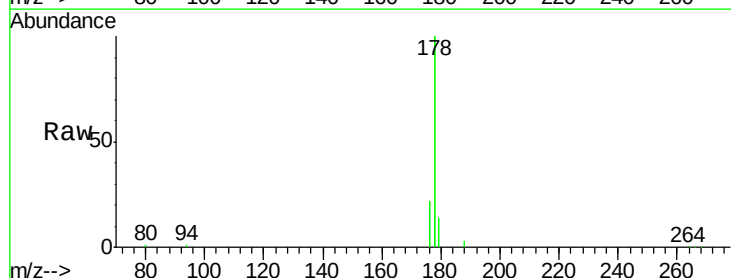
Tgt Ion:178 Resp: 49758

Ion Ratio Lower Upper

178 100

176 22.0 17.6 26.4

179 14.5 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

40000

30000

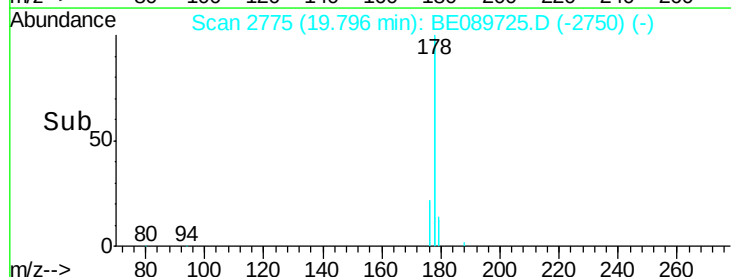
20000

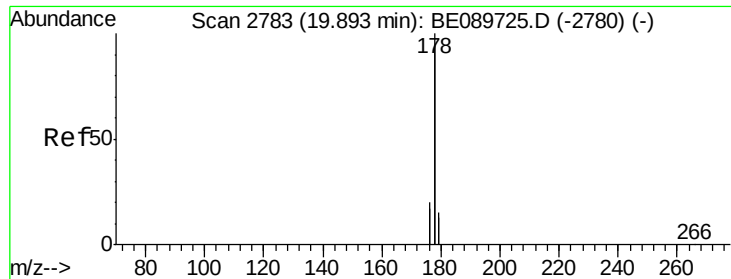
10000

0

19.70 19.80

Time-->





#15

Anthracene

Concen: 0.38 ng/ul

RT: 19.89 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

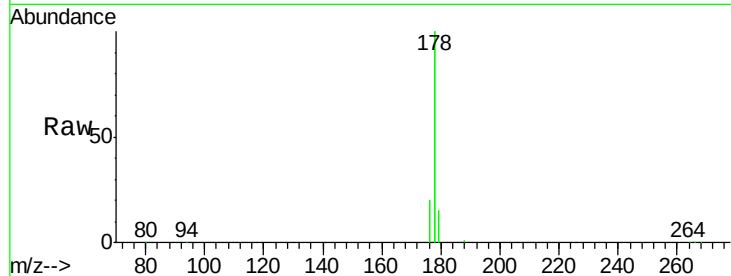
Tgt Ion:178 Resp: 41096

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

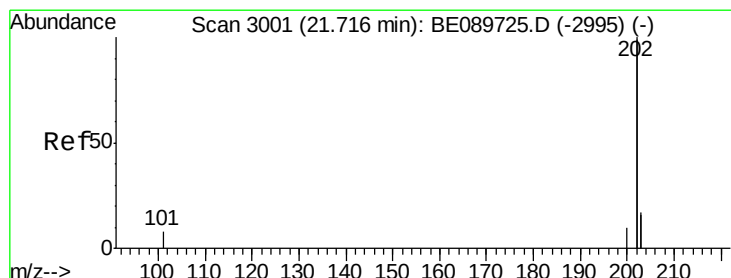
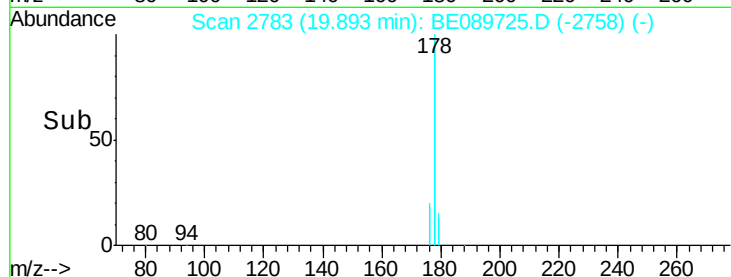
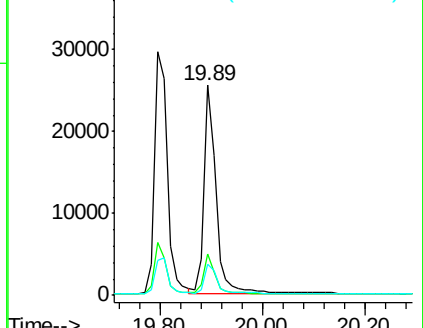
179 15.0 12.0 18.0



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: 0.36 ng/ul

RT: 21.72 min Scan# 3001

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

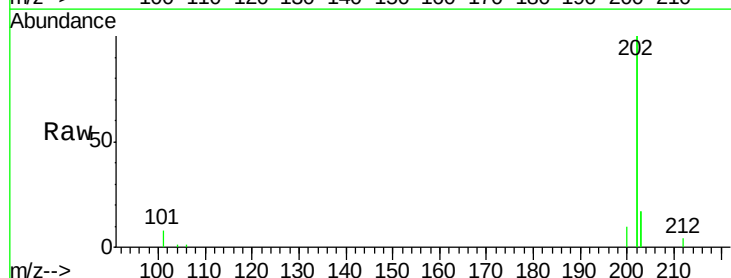
Tgt Ion:202 Resp: 48092

Ion Ratio Lower Upper

202 100

101 4.2 0.0 24.2

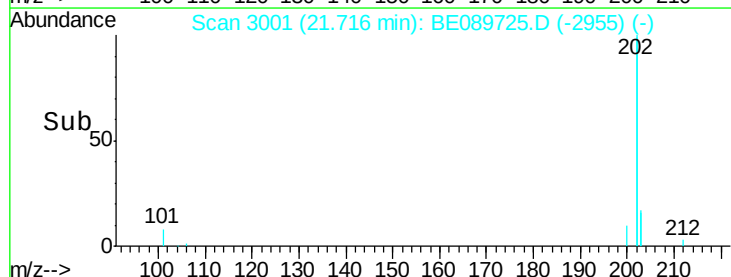
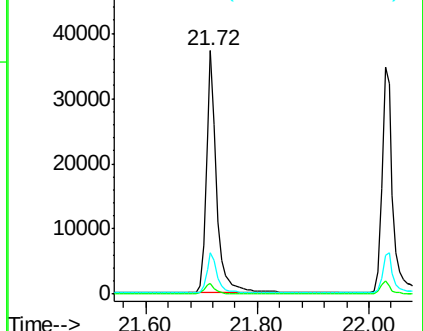
203 17.0 0.0 37.0

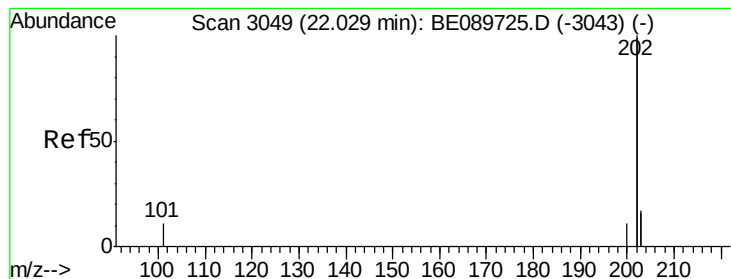


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.44 ng/ul

RT: 22.03 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

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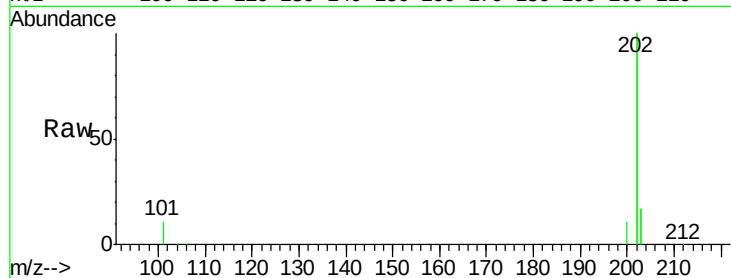
Tgt Ion:202 Resp: 47441

Ion Ratio Lower Upper

202 100

200 5.5 4.4 6.6

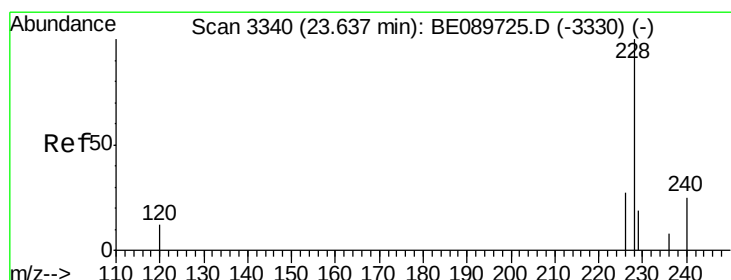
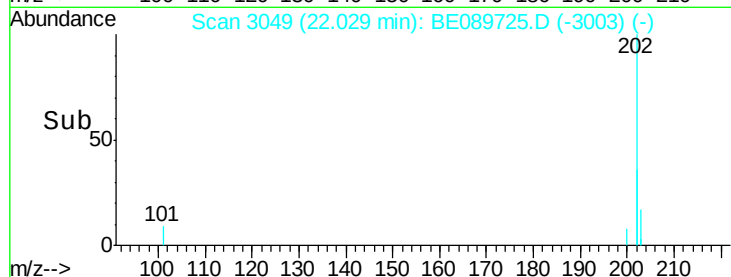
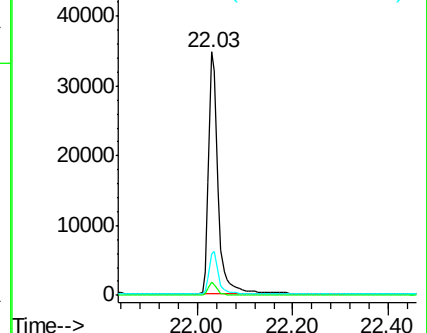
203 17.0 13.6 20.4



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: 0.36 ng/ul

RT: 23.64 min Scan# 3340

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

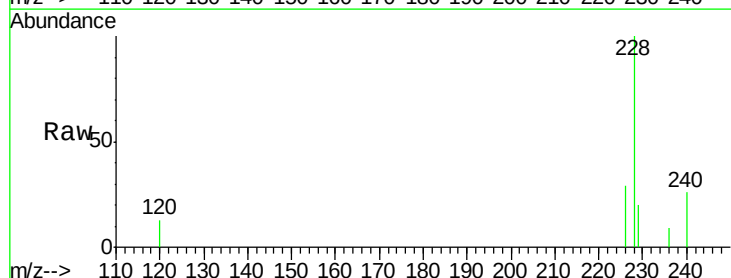
Tgt Ion:228 Resp: 4606

Ion Ratio Lower Upper

228 100

226 28.5 22.8 34.2

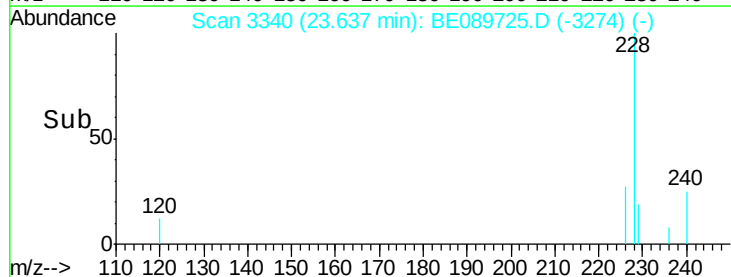
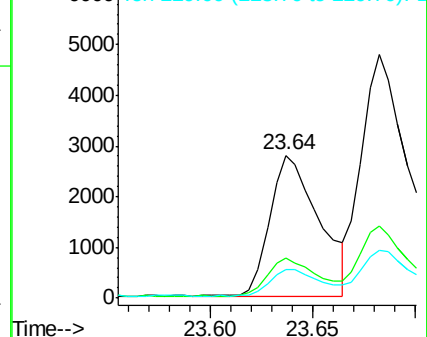
229 20.2 16.2 24.2

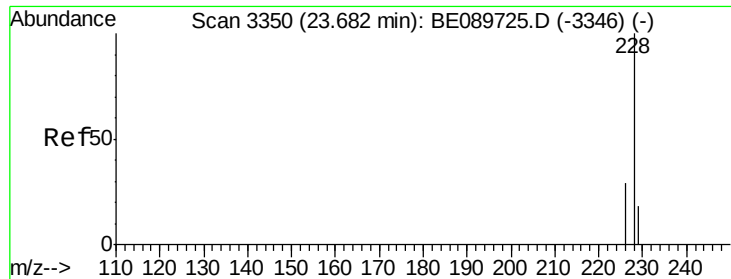


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

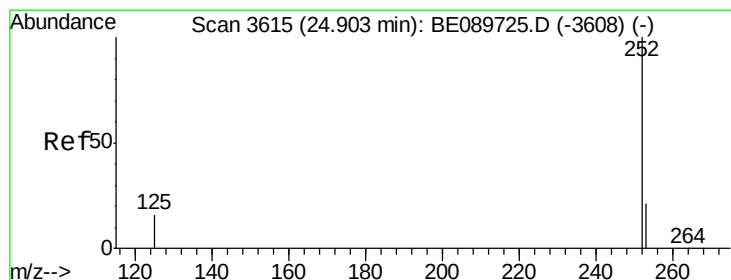
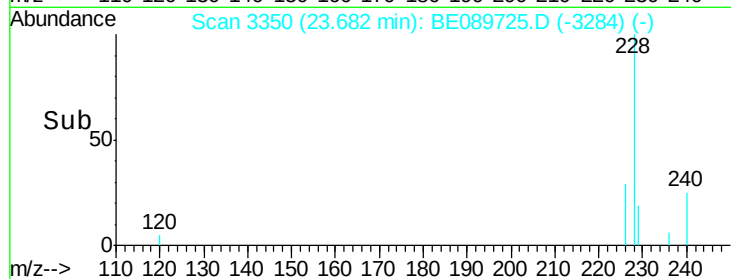
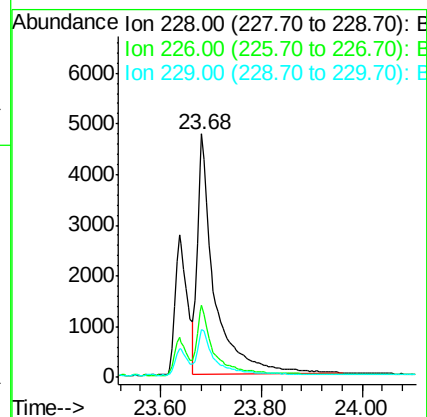
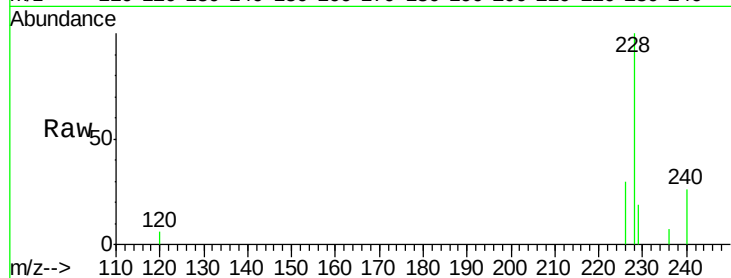
Tgt Ion:228 Resp: 11051

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 19.4 15.5 23.3



#23

Benzo(b)fluoranthene

Concen: 0.34 ng/ul

RT: 24.90 min Scan# 3615

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

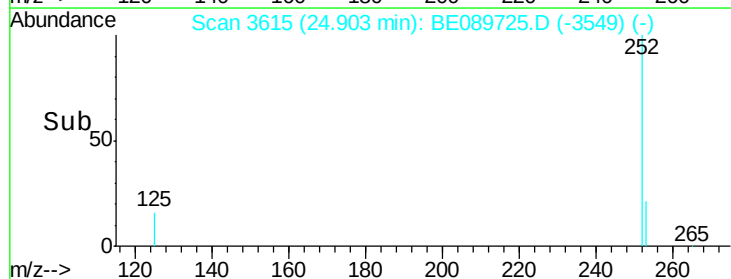
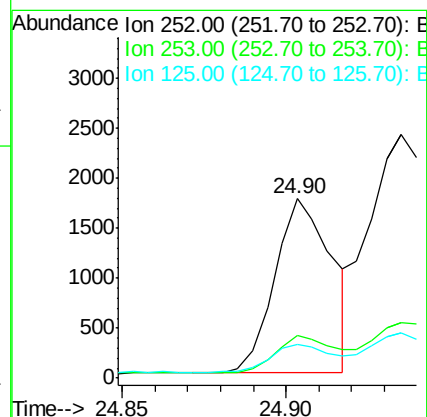
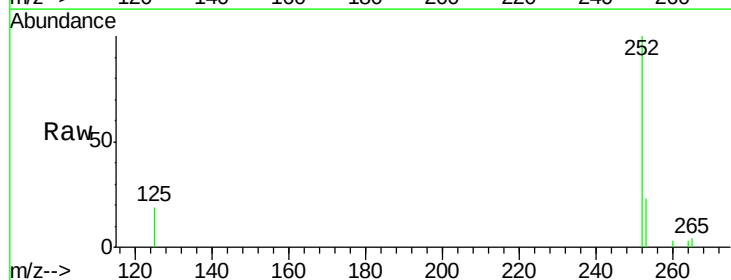
Tgt Ion:252 Resp: 2128

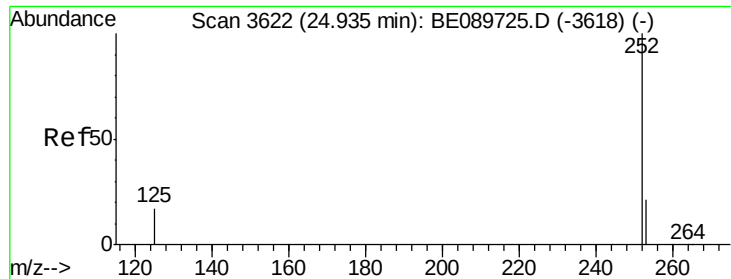
Ion Ratio Lower Upper

252 100

253 23.5 0.0 47.0

125 18.9 0.0 37.8





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 24.94 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

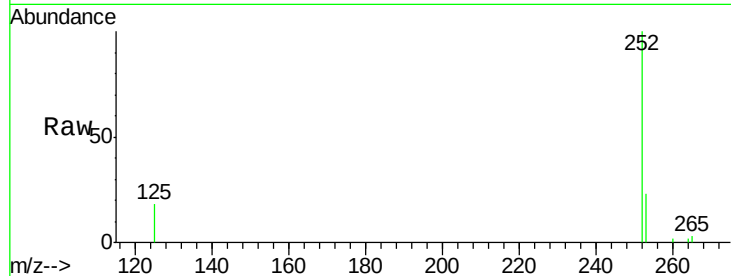
Tgt Ion:252 Resp: 8048

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

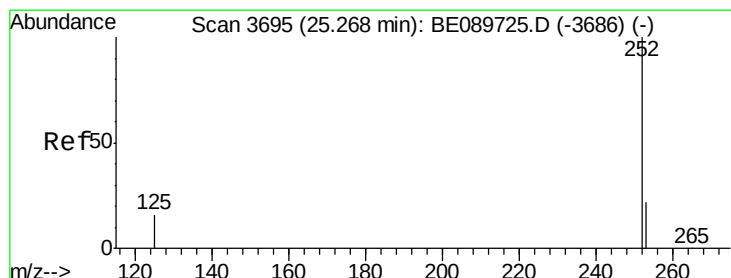
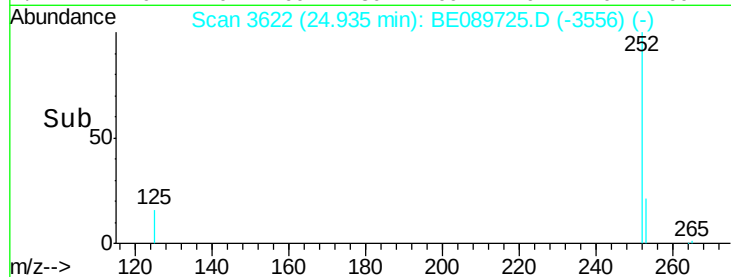
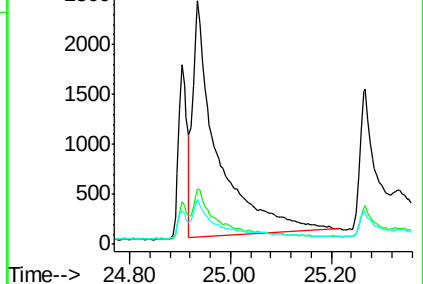
125 18.3 14.6 22.0



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: 0.32 ng/ul

RT: 25.27 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

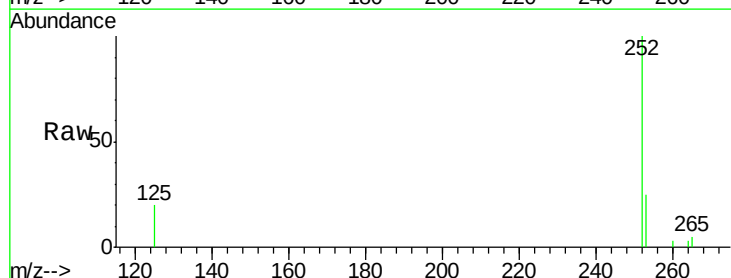
Tgt Ion:252 Resp: 2930

Ion Ratio Lower Upper

252 100

253 24.7 19.8 29.6

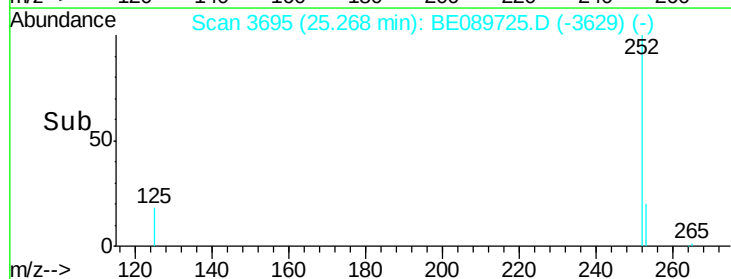
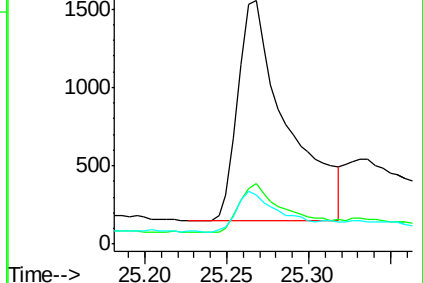
125 20.0 16.0 24.0

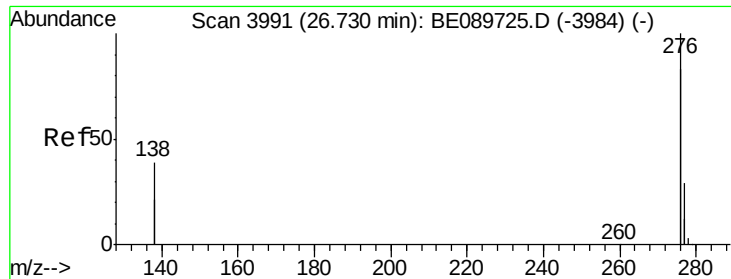


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

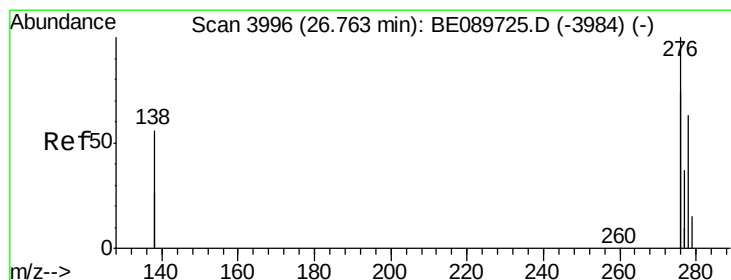
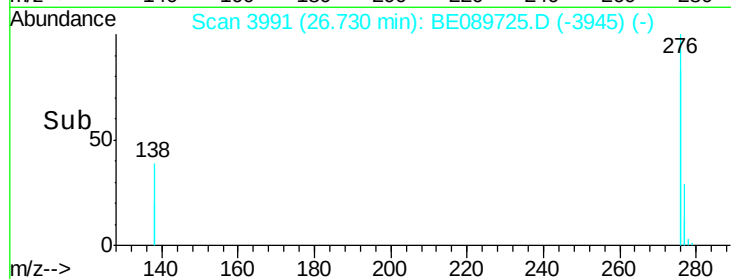
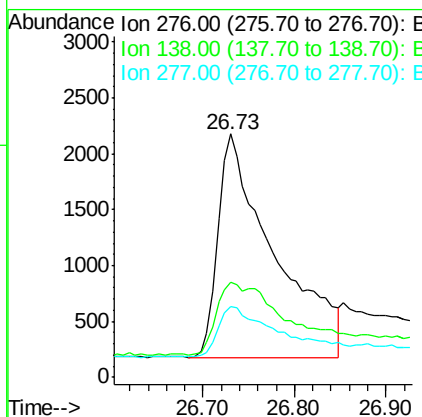
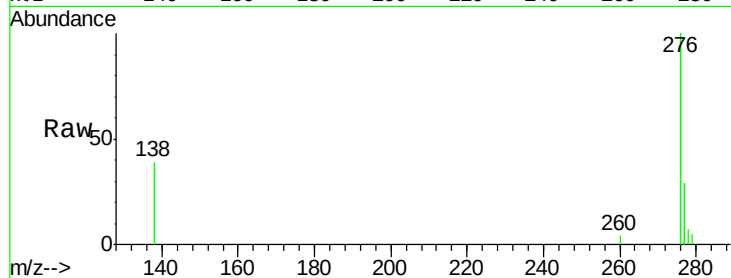




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.23 ng/ul
 RT: 26.73 min Scan# 3991
 Delta R.T. 0.00 min
 Lab File: BE089725.D
 Acq: 3 Mar 2015 12:29

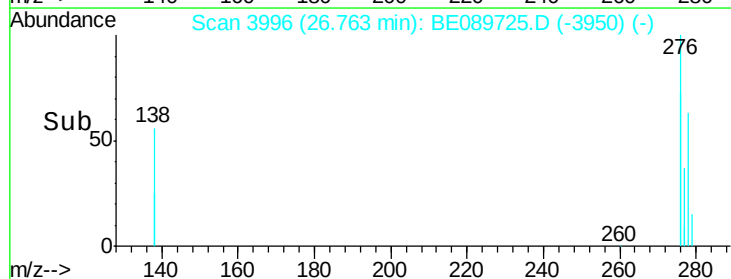
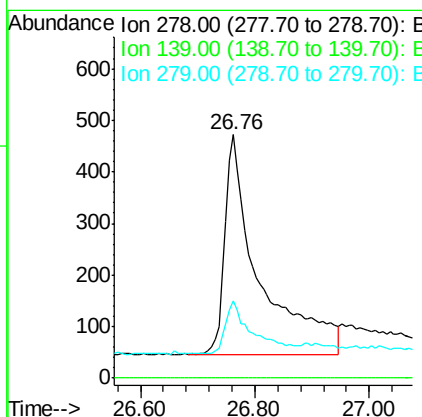
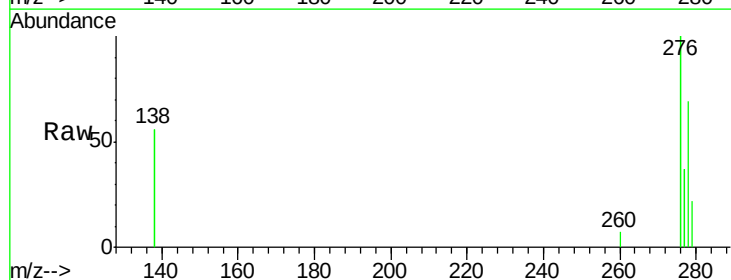
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.403

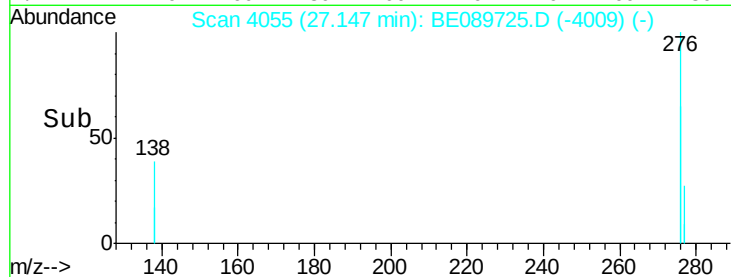
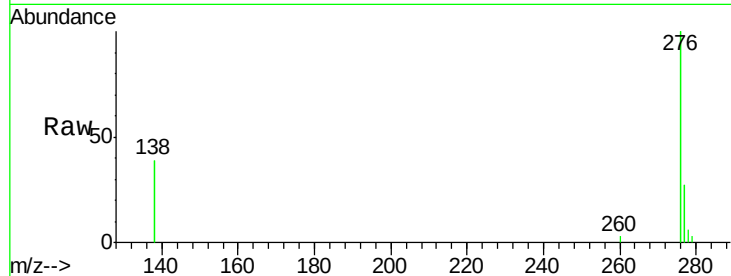
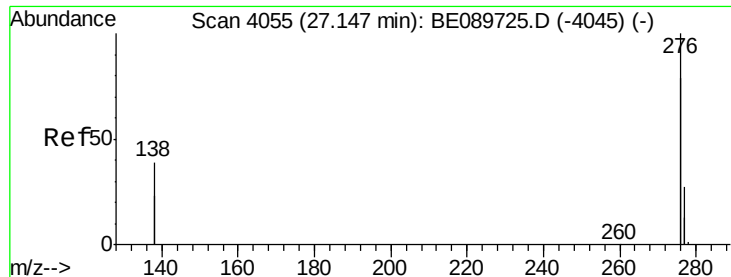
Tgt Ion:276 Resp: 8523
 Ion Ratio Lower Upper
 276 100
 138 46.0 36.8 55.2
 277 25.8 20.6 31.0



#27
 Dibenzo(a,h)anthracene
 Concen: 0.26 ng/ul
 RT: 26.76 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: BE089725.D
 Acq: 3 Mar 2015 12:29

Tgt Ion:278 Resp: 1784
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 31.8 25.4 38.2





#28

Benzo(g,h,i)perylene

Concen: 0.31 ng/ul

RT: 27.15 min Scan# 4055

Delta R.T. 0.00 min

Lab File: BE089725.D

Acq: 3 Mar 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

Tgt Ion: 276 Resp: 14643

Ion Ratio Lower Upper

276 100

277 26.8 21.4 32.2

138 39.2 31.4 47.0

