

Data Path : Z:\HPCHEM1\BNA_E\Data\BE030415\
 Data File : BE089729.D
 Acq On : 4 Mar 2015 19:20
 Operator : TP/JJ
 Sample : SST00.406
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 00:12:07 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 14:17:55 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	5329	0.40	ng/ul	0.00
4) Naphthalene-d8	12.24	136	22251	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	9591	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	17492	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	11760	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	7010	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.63	96	13078	1.87	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.87	152	8844	0.37	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	10842	0.37	ng/ul	0.00

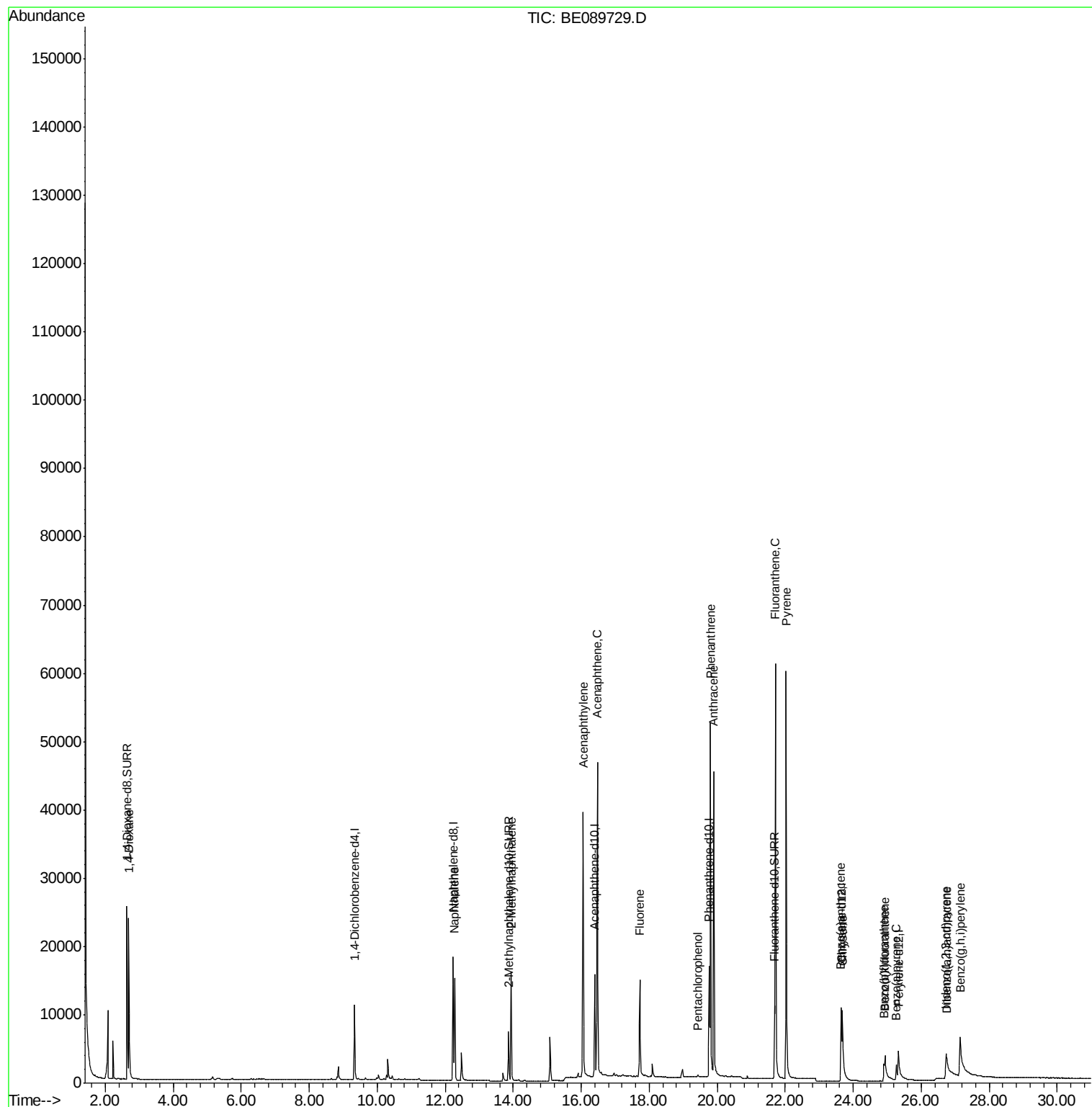
Target Compounds

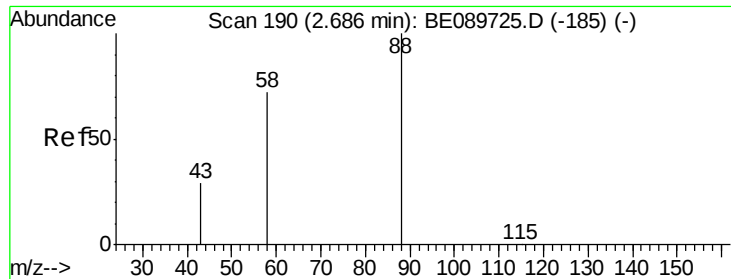
						Qvalue
3) 1,4-Dioxane	2.69	88	15537	1.92	ng/ul	98
5) Naphthalene	12.28	128	19291	0.37	ng/ul	100
7) 2-Methylnaphthalene	13.94	142	11188	0.37	ng/ul	100
9) Acenaphthylene	16.05	152	56102	0.41	ng/ul	99
10) Acenaphthene	16.47	153	42276	0.42	ng/ul	100
11) Fluorene	17.72	166	11486	0.43	ng/ul	100
13) Pentachlorophenol	19.43	266	250	0.36	ng/ul	93
14) Phenanthrene	19.80	178	66807	0.38	ng/ul	99
15) Anthracene	19.89	178	54604	0.37	ng/ul	100
17) Fluoranthene	21.72	202	62548	0.38	ng/ul	97
19) Pyrene	22.03	202	60830	0.39	ng/ul	99
20) Benzo(a)anthracene	23.64	228	5505	0.34	ng/ul	98
21) Chrysene	23.68	228	13441	0.39	ng/ul	99
23) Benzo(b)fluoranthene	24.91	252	2226	0.31	ng/ul	98
24) Benzo(k)fluoranthene	24.93	252	8451	0.37	ng/ul	98
25) Benzo(a)pyrene	25.27	252	3518	0.37	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	26.73	276	13251	0.39	ng/ul#	82
27) Dibenzo(a,h)anthracene	26.76	278	1741	0.28	ng/ul	96
28) Benzo(g,h,i)perylene	27.15	276	18639	0.40	ng/ul	99

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

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#3

1,4-Dioxane

Concen: 1.92 ng/ul

RT: 2.69 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

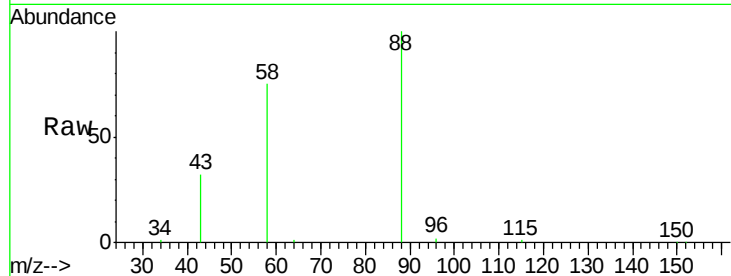
Tgt Ion: 88 Resp: 15537

Ion Ratio Lower Upper

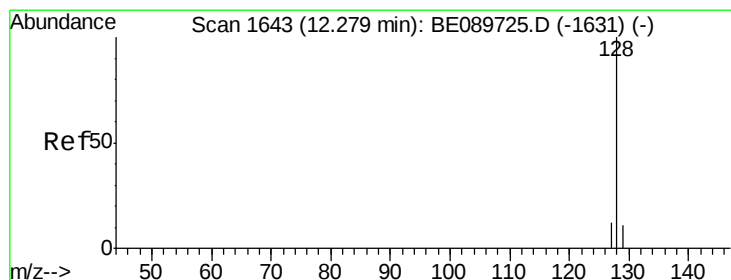
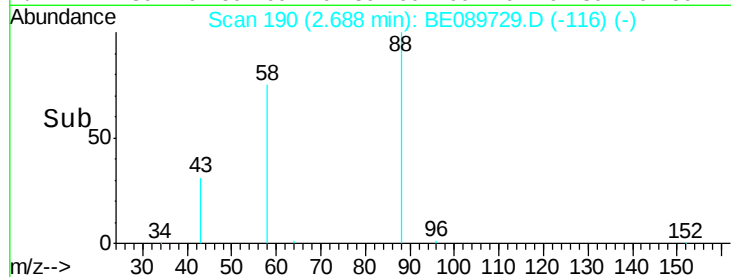
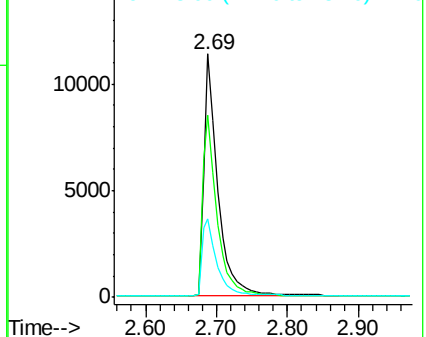
88 100

58 77.9 61.3 91.9

43 33.7 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: 0.37 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

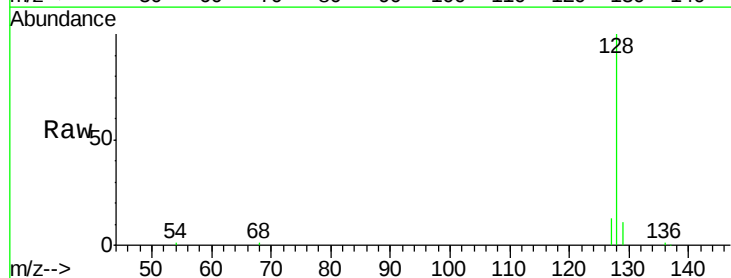
Tgt Ion: 128 Resp: 19291

Ion Ratio Lower Upper

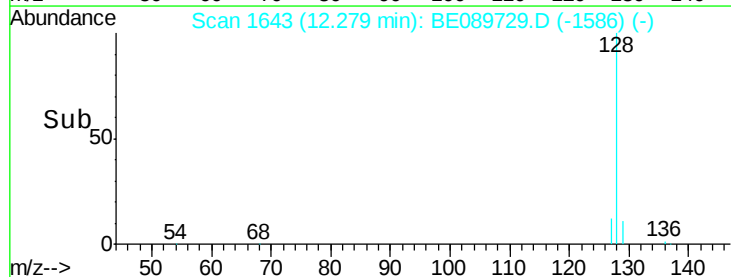
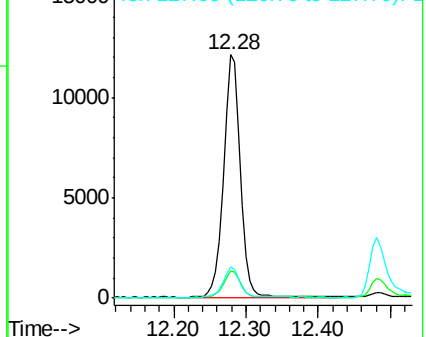
128 100

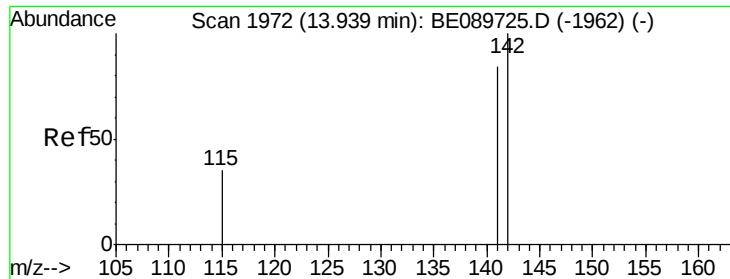
129 11.2 9.0 13.6

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: 0.37 ng/ul

RT: 13.94 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE089729.D

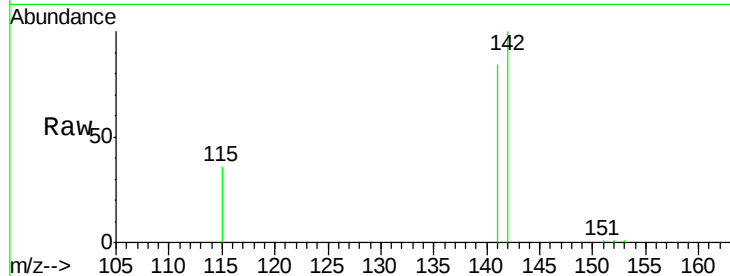
Acq: 4 Mar 2015 19:20

Tgt Ion:142 Resp: 11188

Ion Ratio Lower Upper

142 100

141 84.1 67.4 101.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.94

8000

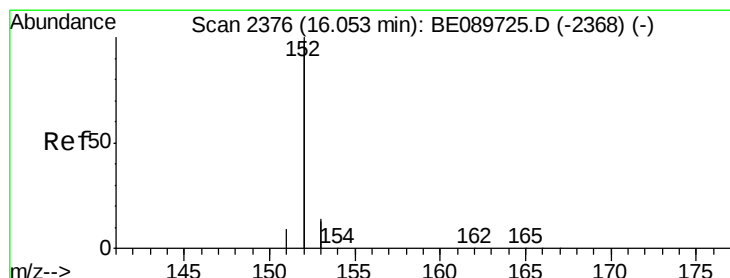
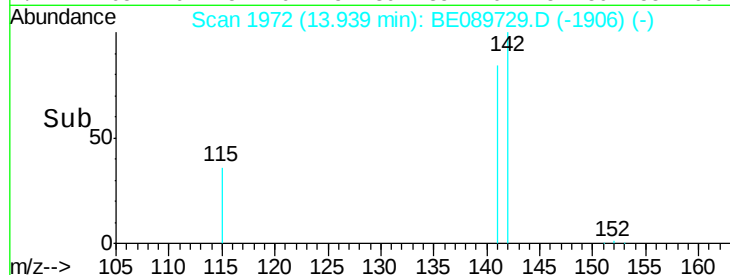
6000

4000

2000

0

Time--> 13.90 14.00 14.10



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

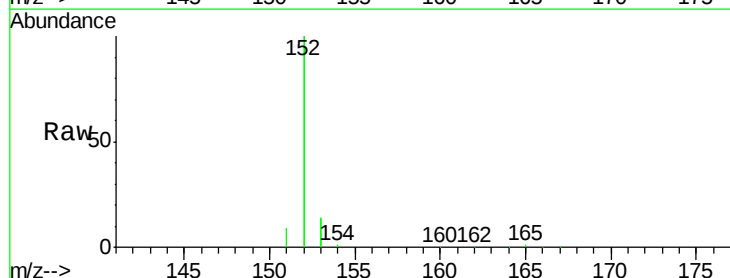
Tgt Ion:152 Resp: 56102

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.8

153 13.9 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

16.05

40000

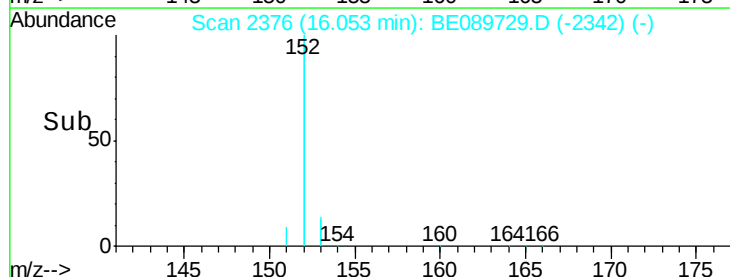
30000

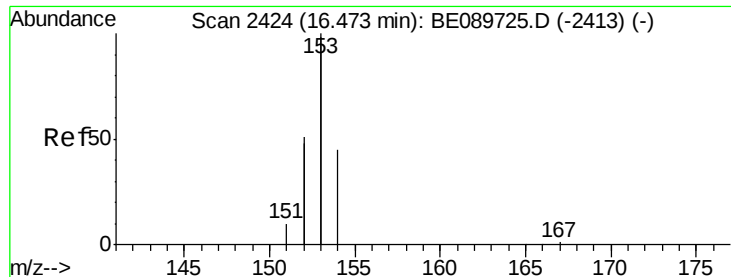
20000

10000

0

Time--> 15.80 16.00 16.20 16.40





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 16.47 min Scan# 2424

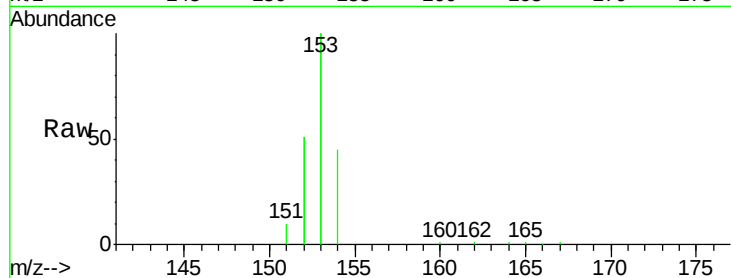
Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

Tgt Ion:153 Resp: 42276

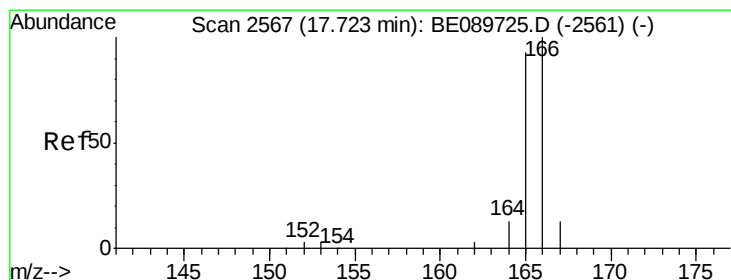
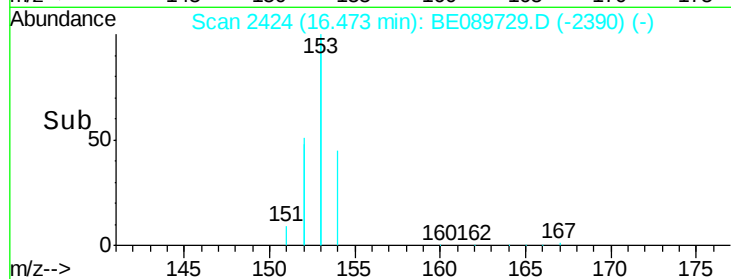
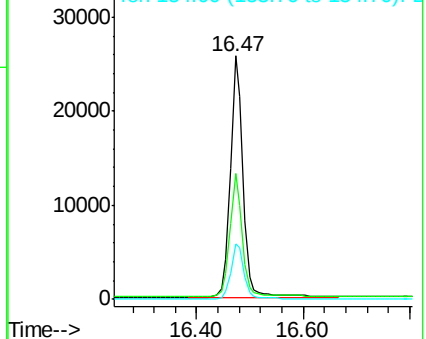
Ion	Ratio	Lower	Upper
153	100		
152	51.5	41.2	61.8
154	22.7	18.2	27.2



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: 0.43 ng/ul

RT: 17.72 min Scan# 2567

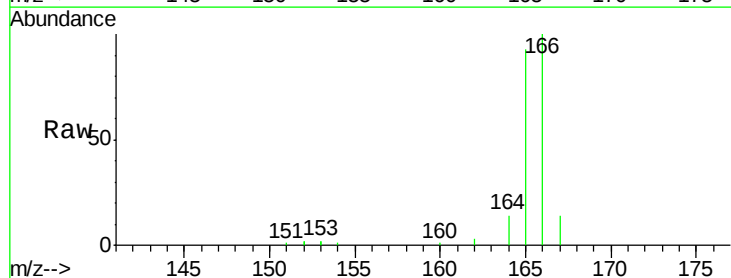
Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

Tgt Ion:166 Resp: 11486

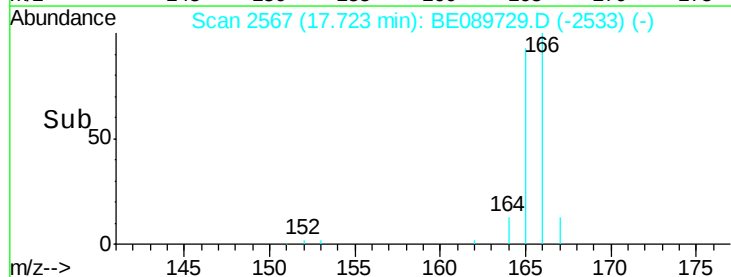
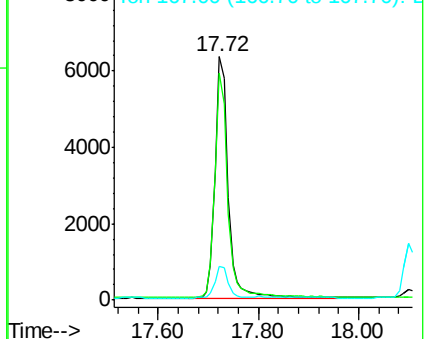
Ion	Ratio	Lower	Upper
166	100		
165	93.4	74.9	112.3
167	13.8	11.5	17.3

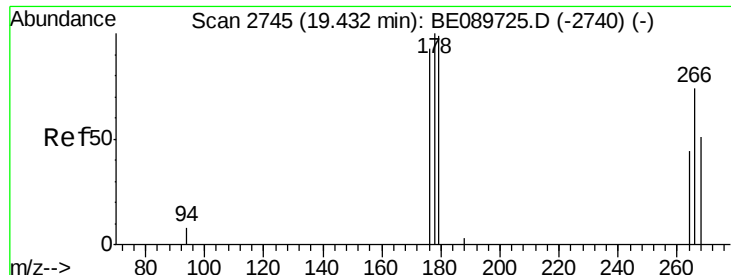


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

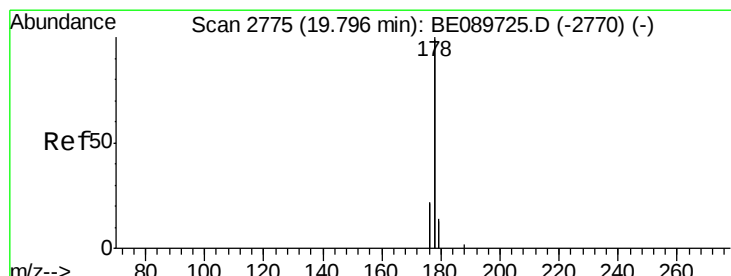
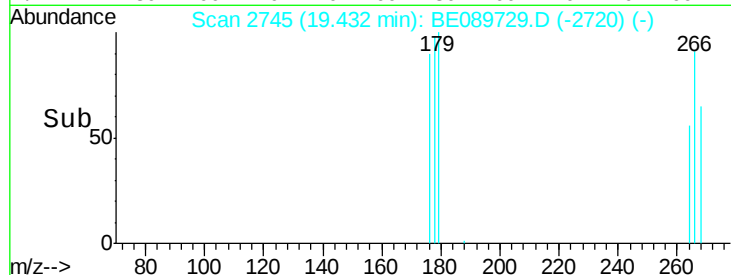
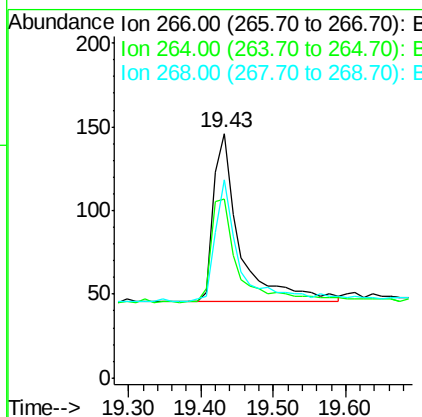
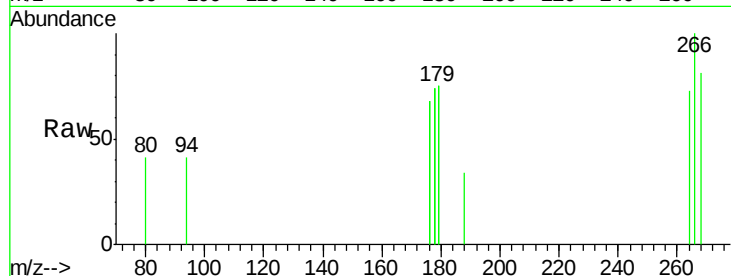
Ion 167.00 (166.70 to 167.70): E





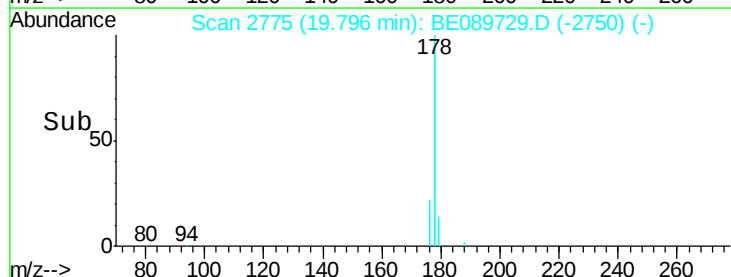
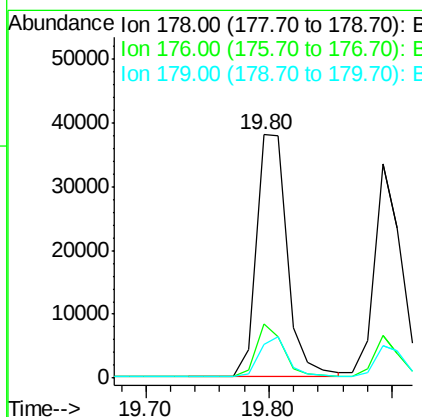
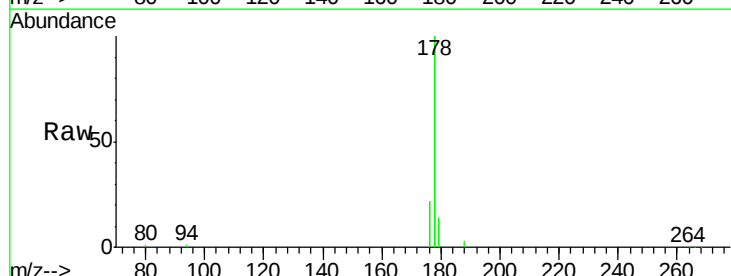
#13
 Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 19.43 min Scan# 2745
 Delta R.T. -0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

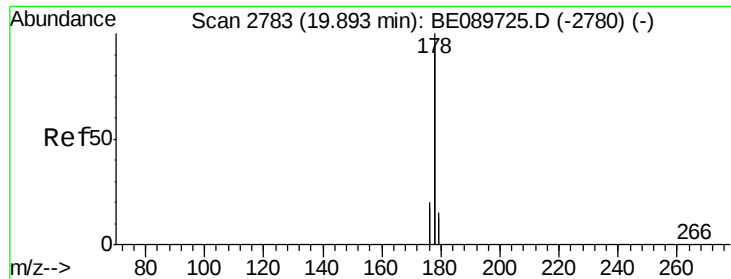
Tgt Ion: 266 Resp: 250
 Ion Ratio Lower Upper
 266 100
 264 68.0 49.4 74.2
 268 63.6 47.9 71.9



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 19.80 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

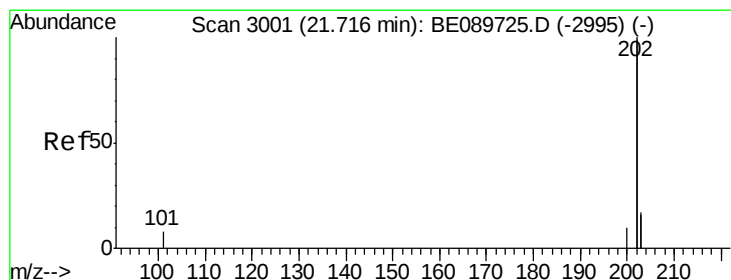
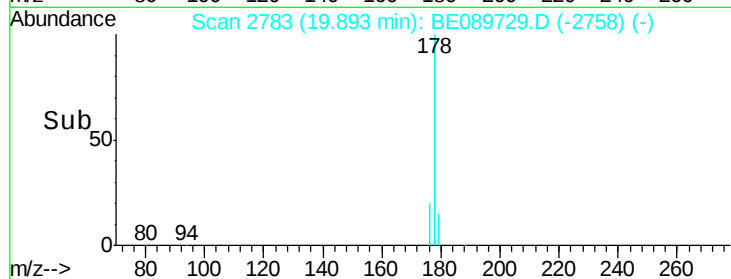
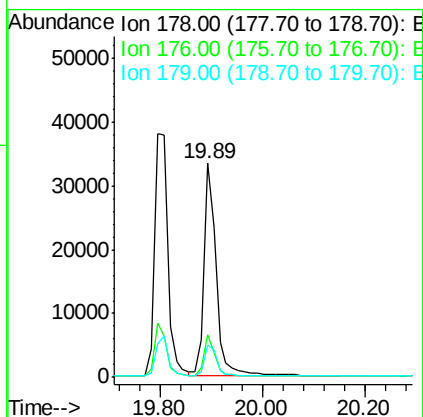
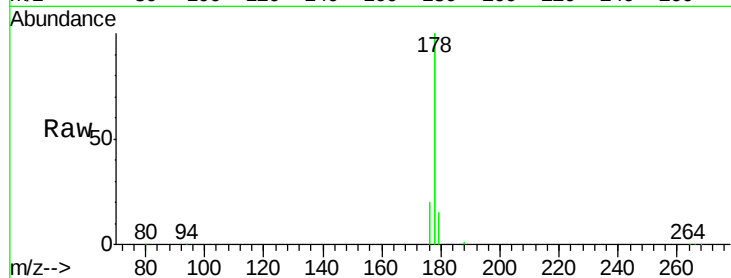
Tgt Ion: 178 Resp: 66807
 Ion Ratio Lower Upper
 178 100
 176 22.1 17.6 26.4
 179 13.9 11.6 17.4





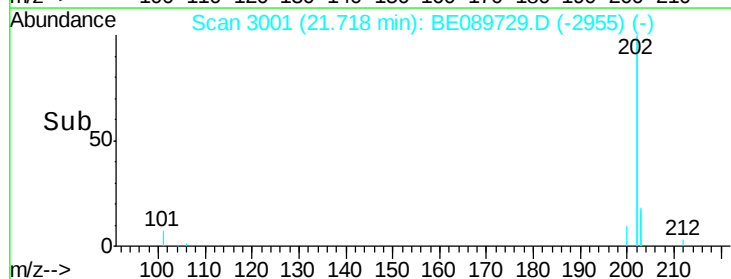
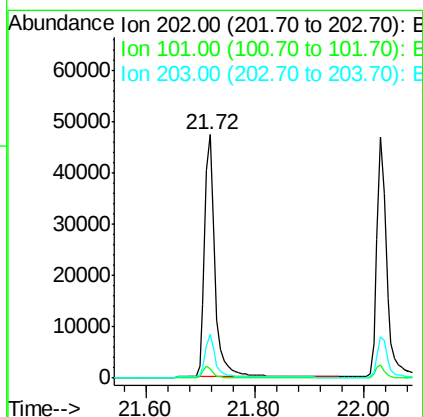
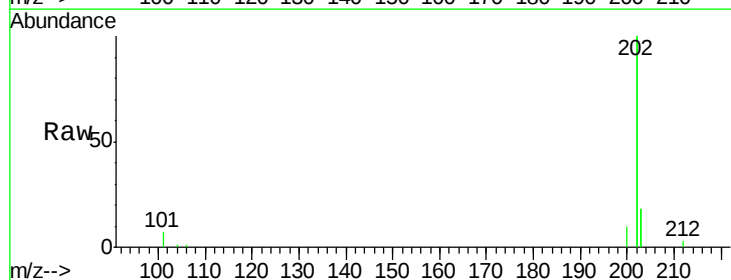
#15
 Anthracene
 Concen: 0.37 ng/ul
 RT: 19.89 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

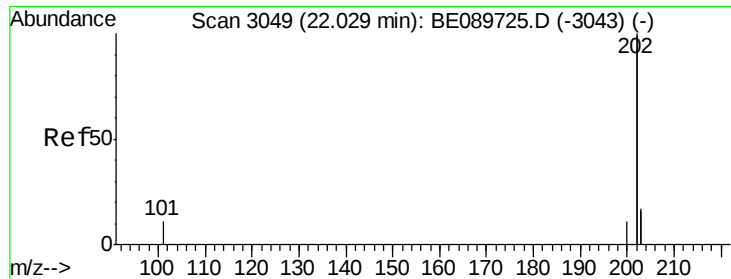
Tgt Ion:178 Resp: 54604
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.6
 179 15.1 12.0 18.0



#17
 Fluoranthene
 Concen: 0.38 ng/ul
 RT: 21.72 min Scan# 3001
 Delta R.T. 0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

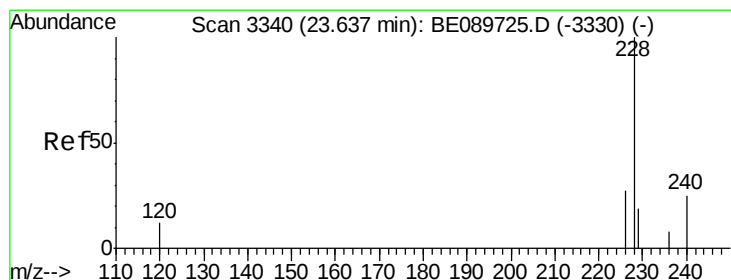
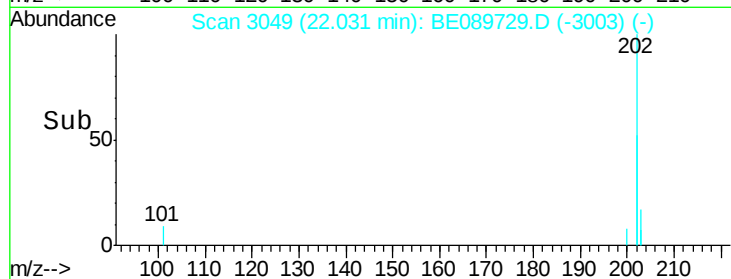
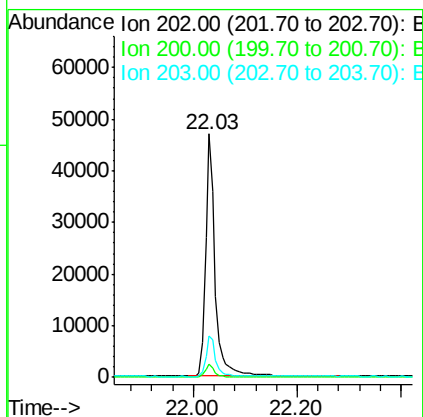
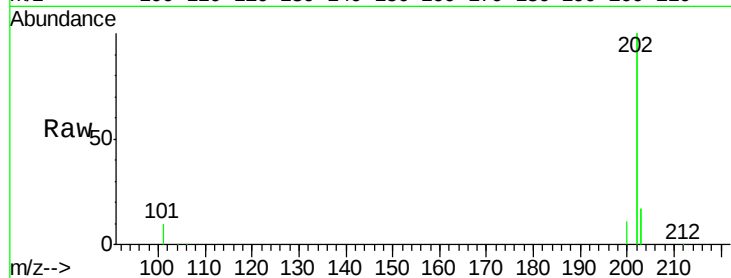
Tgt Ion:202 Resp: 62548
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 24.2
 203 18.3 0.0 37.0





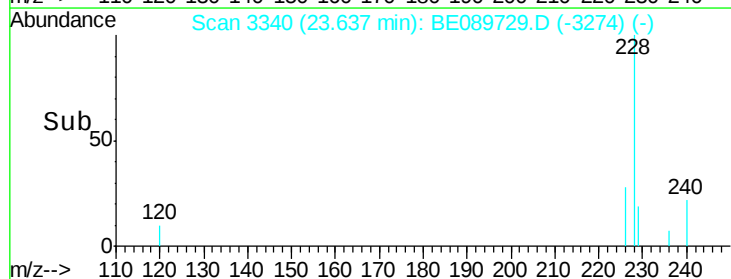
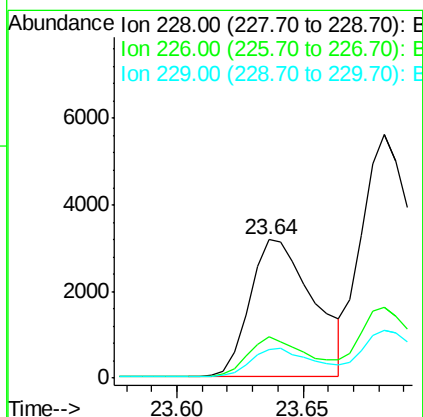
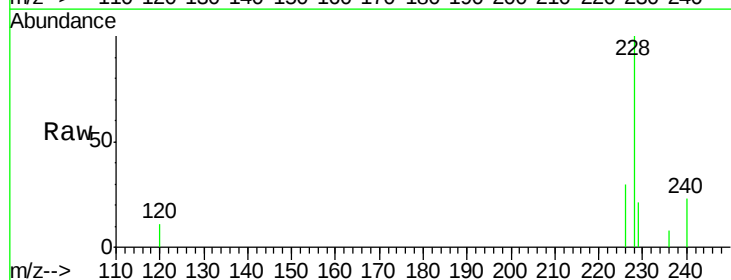
#19
 Pyrene
 Concen: 0.39 ng/ul
 RT: 22.03 min Scan# 3049
 Delta R.T. 0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

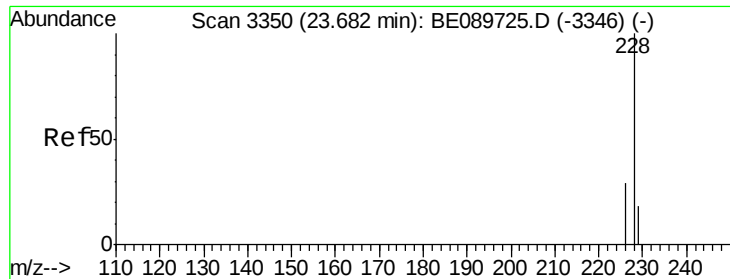
Tgt Ion: 202 Resp: 60830
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.4 6.6
 203 17.2 13.6 20.4



#20
 Benzo(a)anthracene
 Concen: 0.34 ng/ul
 RT: 23.64 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: BE089729.D
 Acq: 4 Mar 2015 19:20

Tgt Ion: 228 Resp: 5505
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.8 34.2
 229 20.6 16.2 24.2





#21

Chrysene

Concen: 0.39 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

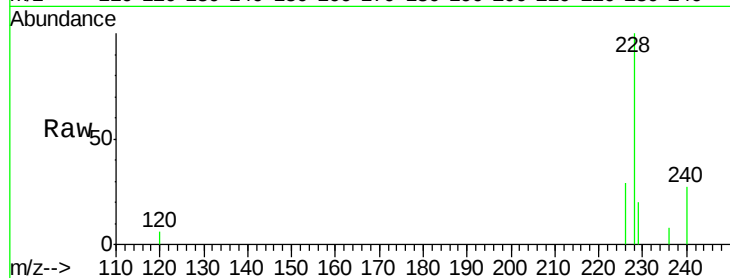
Tgt Ion:228 Resp: 13441

Ion Ratio Lower Upper

228 100

226 28.8 23.7 35.5

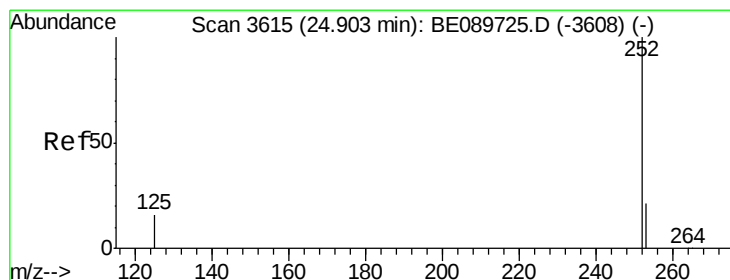
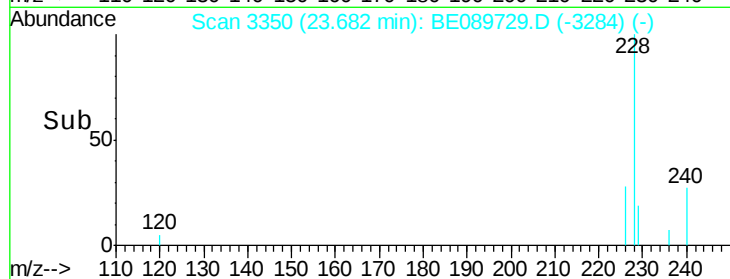
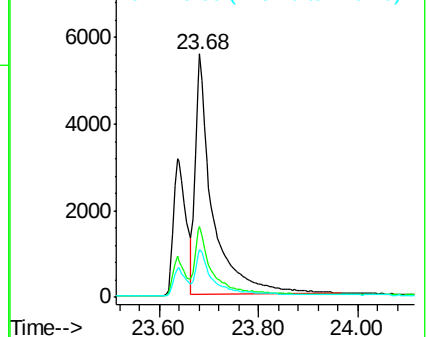
229 19.6 15.5 23.3



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: 0.31 ng/ul

RT: 24.91 min Scan# 3615

Delta R.T. 0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

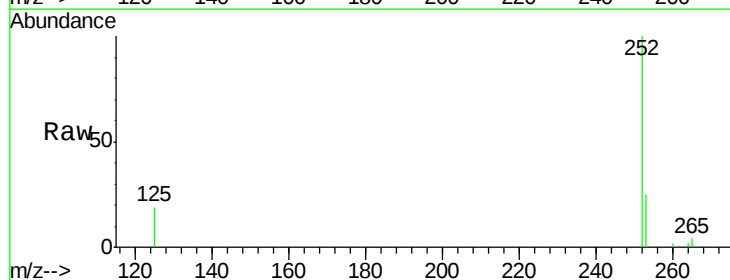
Tgt Ion:252 Resp: 2226

Ion Ratio Lower Upper

252 100

253 24.8 0.0 47.0

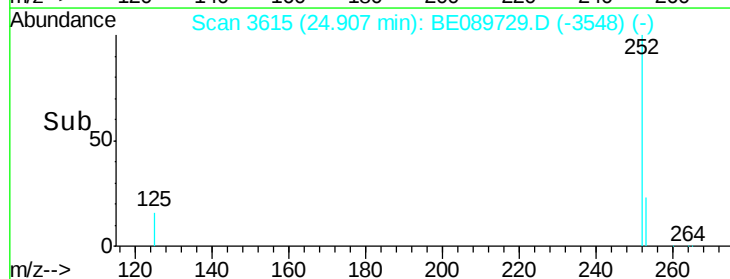
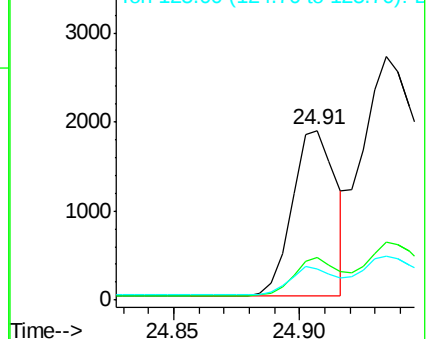
125 18.6 0.0 37.8

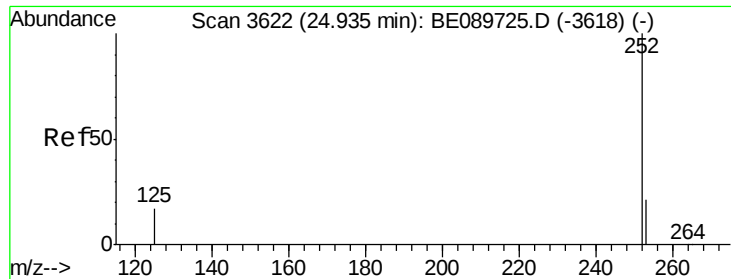


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 24.93 min Scan# 3621

Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

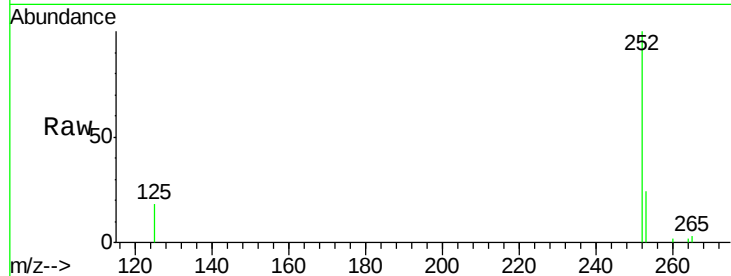
Tgt Ion: 252 Resp: 8451

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

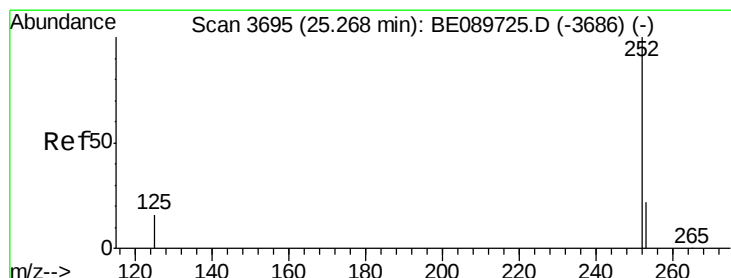
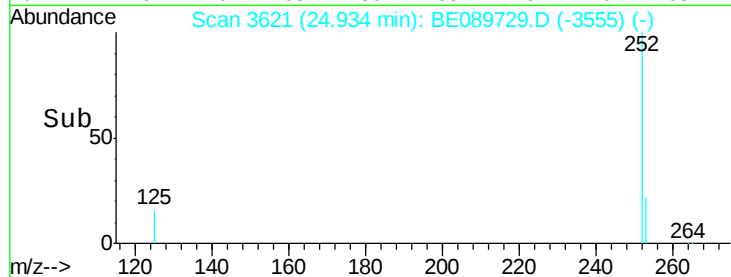
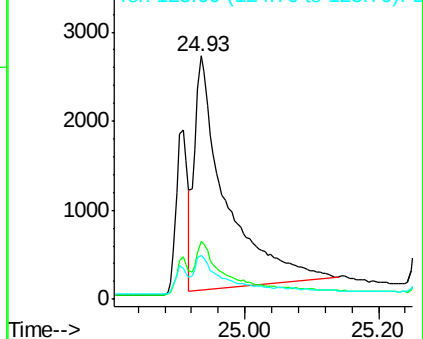
125 17.8 14.6 22.0



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: 0.37 ng/ul

RT: 25.27 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

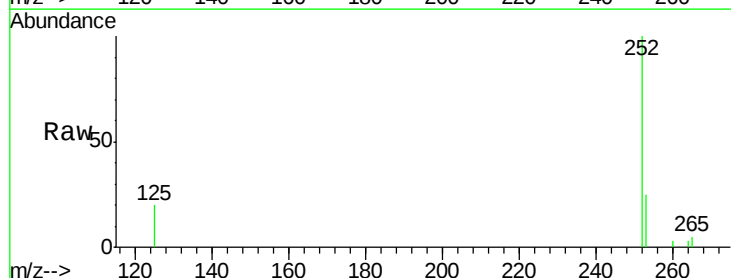
Tgt Ion: 252 Resp: 3518

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.6

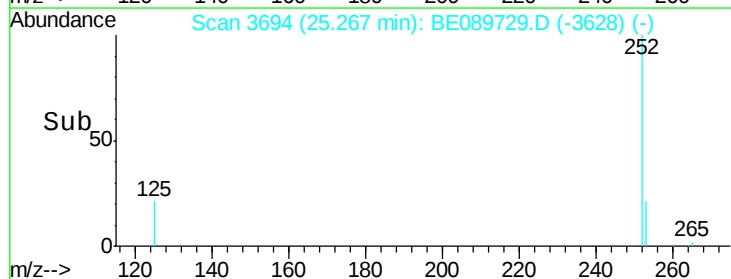
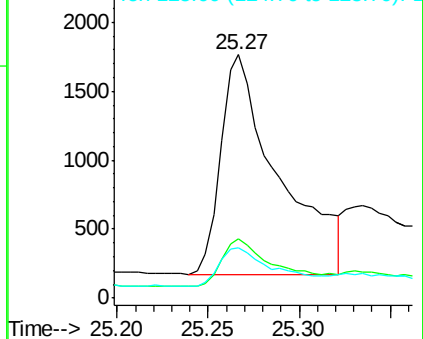
125 20.4 16.0 24.0

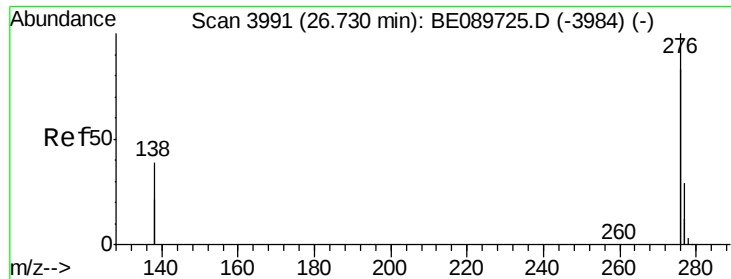


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.39 ng/ul

RT: 26.73 min Scan# 3991

Delta R.T. 0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

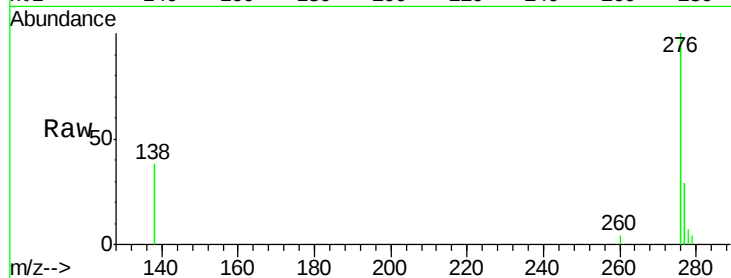
Tgt Ion: 276 Resp: 13251

Ion Ratio Lower Upper

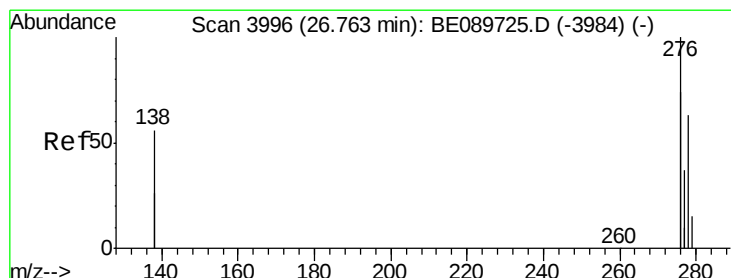
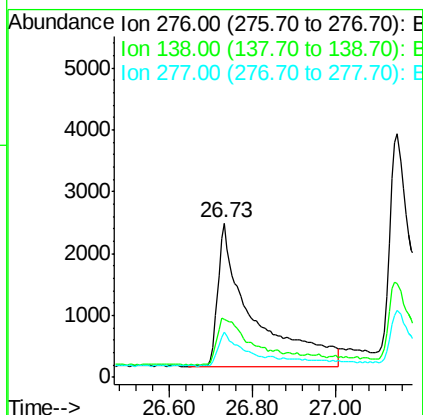
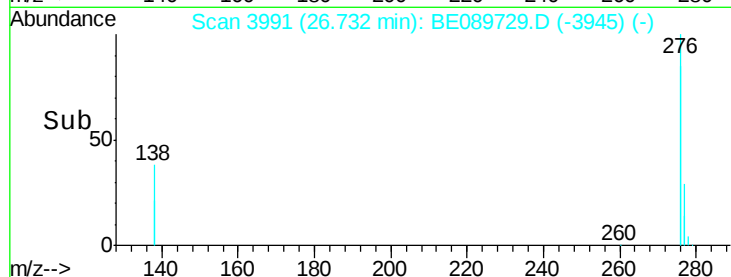
276 100

138 32.6 36.8 55.2#

277 19.1 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: 0.28 ng/ul

RT: 26.76 min Scan# 3995

Delta R.T. -0.01 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

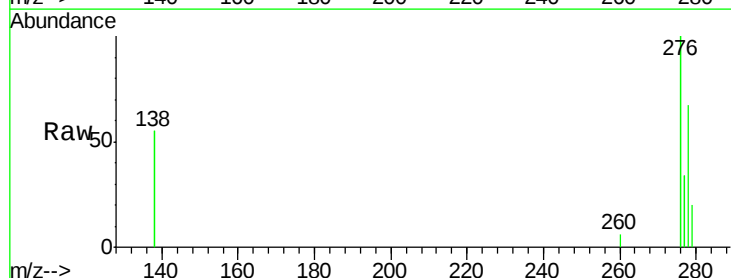
Tgt Ion: 278 Resp: 1741

Ion Ratio Lower Upper

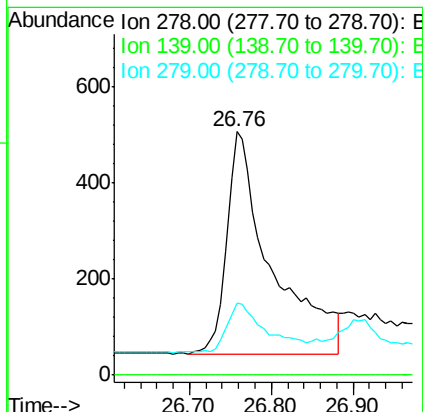
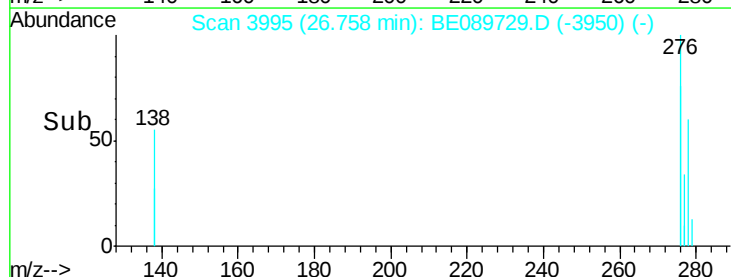
278 100

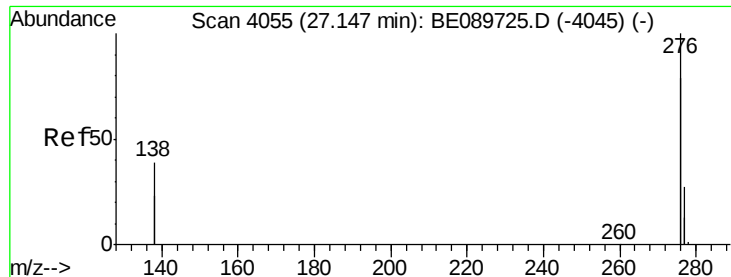
139 0.0 0.0 0.0

279 29.8 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





#28

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 27.15 min Scan# 4055

Delta R.T. 0.00 min

Lab File: BE089729.D

Acq: 4 Mar 2015 19:20

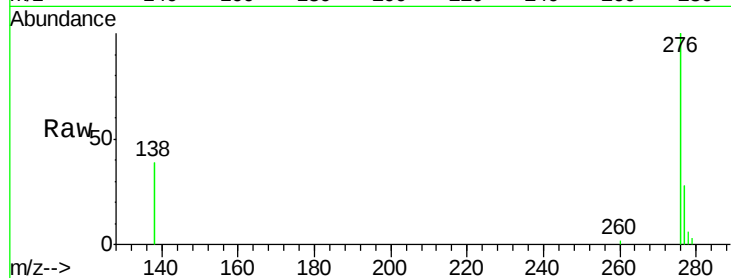
Tgt Ion: 276 Resp: 18639

Ion Ratio Lower Upper

276 100

277 27.6 21.4 32.2

138 38.6 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

