

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030415\
 Data File : BE089739.D
 Acq On : 5 Mar 2015 1:51
 Operator : TP/JJ
 Sample : SSTD0.407
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 03:28:11 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 : Thu Mar 05 00:14:14 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	5071	0.40	ng/ul	0.00
4) Naphthalene-d8	12.23	136	20996	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	9023	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	16130	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	9290	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	5247	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.63	96	12616	1.89	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.86	152	8355	0.37	ng/ul	0.00
16) Fluoranthene-d10	21.69	212	9549	0.36	ng/ul	0.00

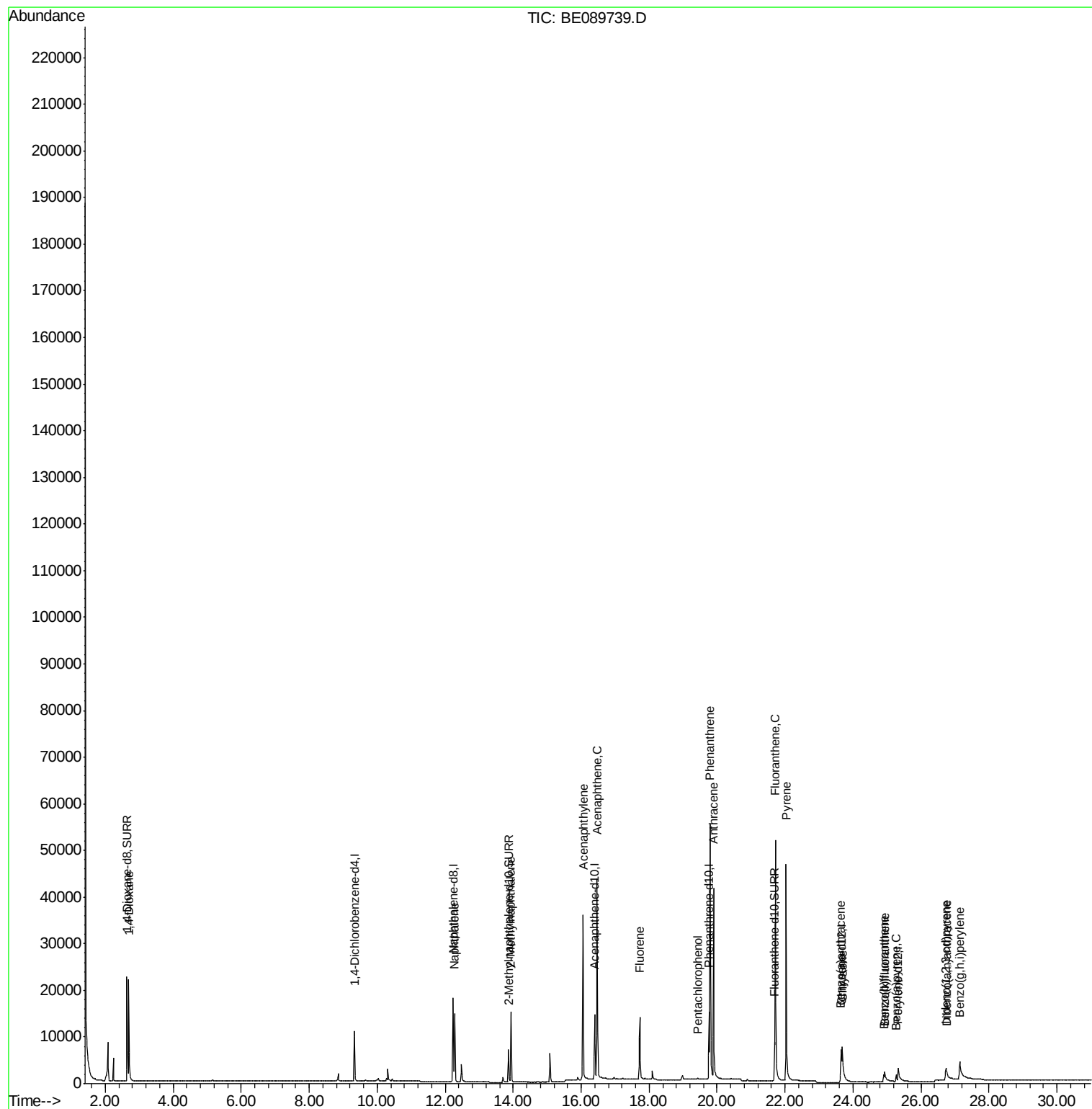
Target Compounds

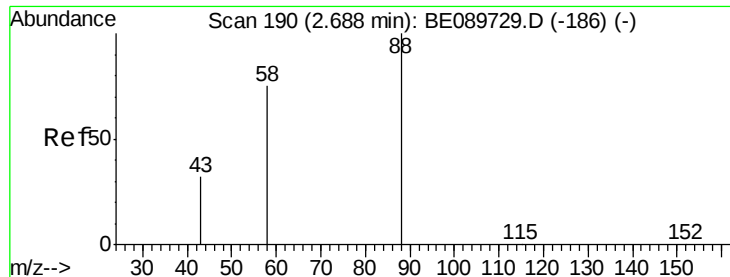
						Qvalue
3) 1,4-Dioxane	2.69	88	13830	1.79	ng/ul	99
5) Naphthalene	12.28	128	18041	0.37	ng/ul	99
7) 2-Methylnaphthalene	13.94	142	10493	0.37	ng/ul	99
9) Acenaphthylene	16.05	152	51247	0.40	ng/ul	99
10) Acenaphthene	16.47	153	39232	0.41	ng/ul	98
11) Fluorene	17.72	166	10504	0.41	ng/ul	98
13) Pentachlorophenol	19.42	266	230	0.36	ng/ul	96
14) Phenanthrene	19.80	178	61530	0.38	ng/ul	98
15) Anthracene	19.89	178	48674	0.36	ng/ul	100
17) Fluoranthene	21.72	202	55582	0.37	ng/ul	98
19) Pyrene	22.03	202	53501	0.44	ng/ul	100
20) Benzo(a)anthracene	23.64	228	3679	0.29	ng/ul	99
21) Chrysene	23.68	228	10920	0.40	ng/ul	99
23) Benzo(b)fluoranthene	24.90	252	1531	0.29	ng/ul	98
24) Benzo(k)fluoranthene	24.93	252	5175	0.30	ng/ul	97
25) Benzo(a)pyrene	25.27	252	2174	0.31	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	26.73	276	6620	0.26	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.76	278	1047	0.23	ng/ul	99
28) Benzo(g,h,i)perylene	27.14	276	11932	0.34	ng/ul	96

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

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Quant Time: Mar 05 03:28:11 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 : Thu Mar 05 00:14:14 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 1.79 ng/ul

RT: 2.69 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

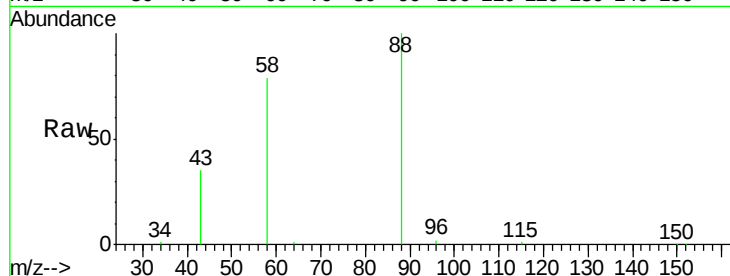
Tgt Ion: 88 Resp: 13830

Ion Ratio Lower Upper

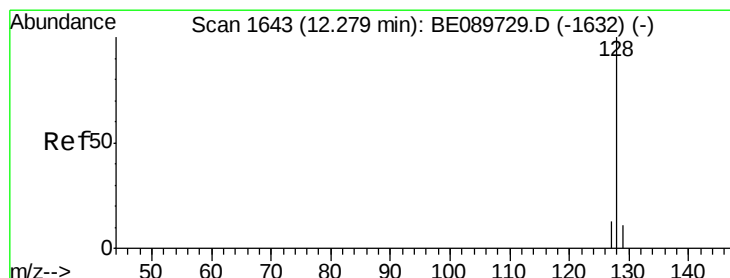
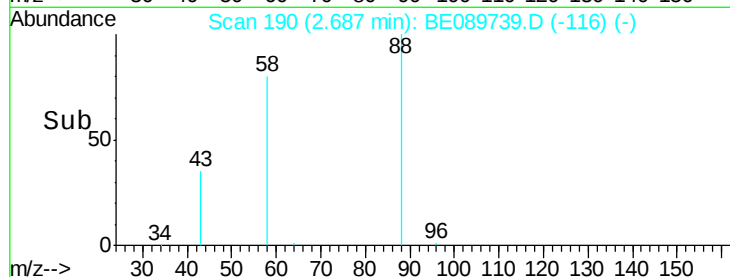
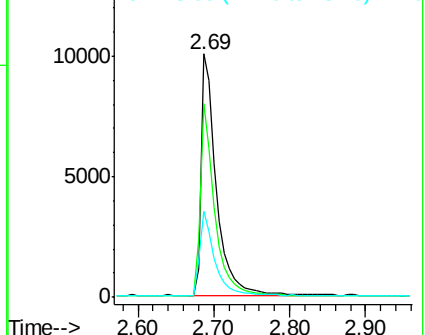
88 100

58 76.6 61.3 91.9

43 33.8 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: BE089739.D

Acq: 5 Mar 2015 1:51

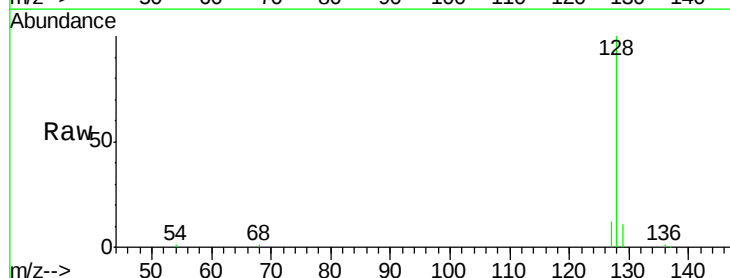
Tgt Ion: 128 Resp: 18041

Ion Ratio Lower Upper

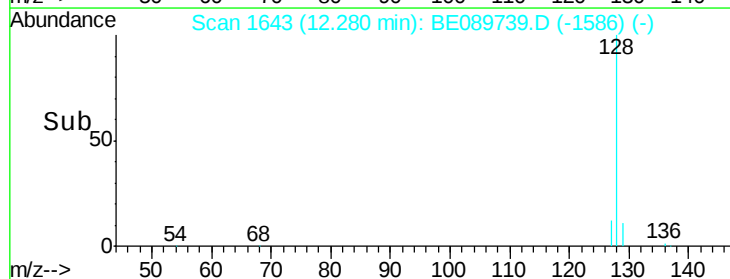
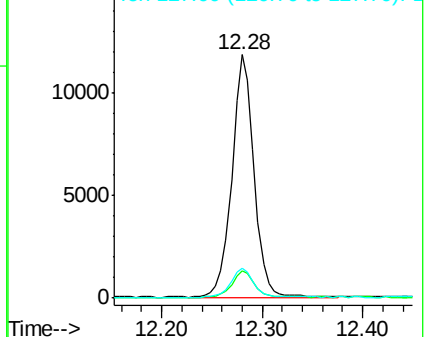
128 100

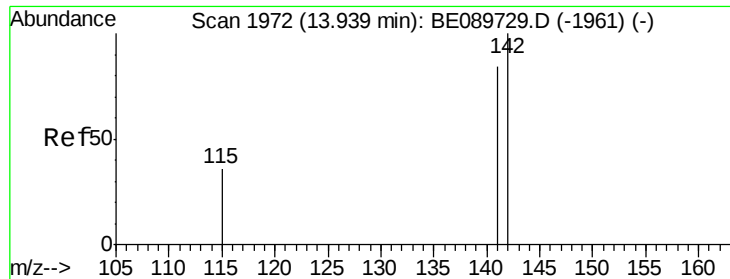
129 11.3 9.0 13.6

127 12.3 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: BE089739.D

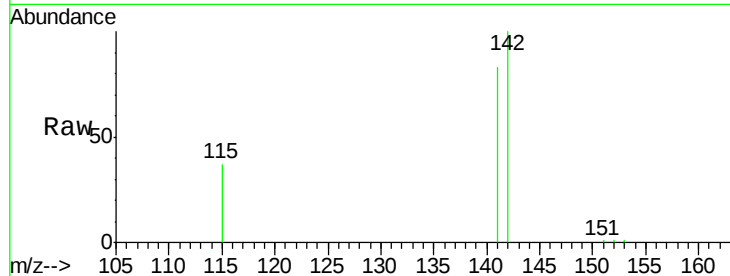
Acq: 5 Mar 2015 1:51

Tgt Ion:142 Resp: 10493

Ion Ratio Lower Upper

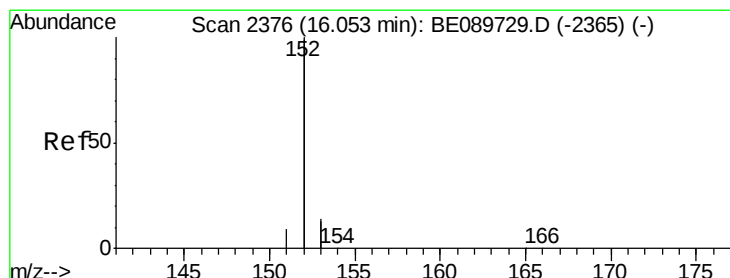
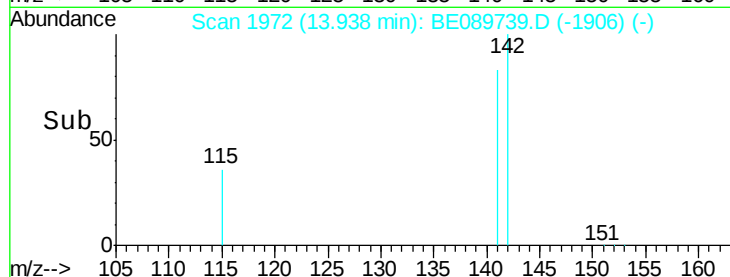
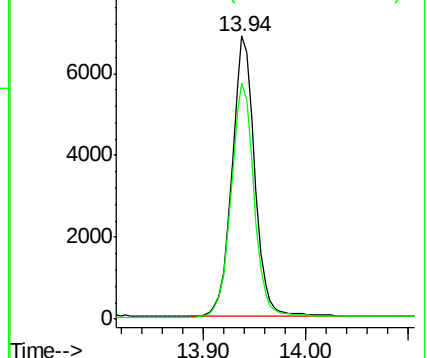
142 100

141 85.0 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: 0.40 ng/ul

RT: 16.05 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

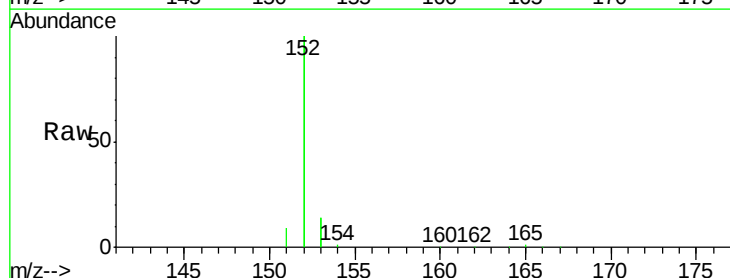
Tgt Ion:152 Resp: 51247

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.8

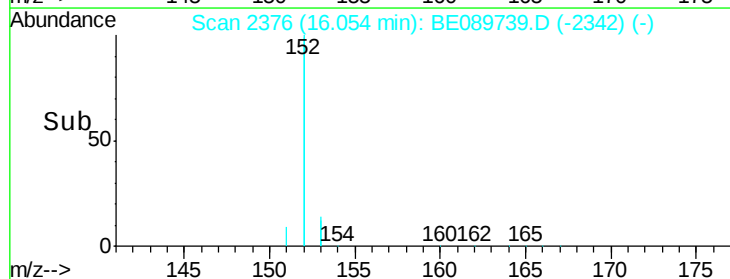
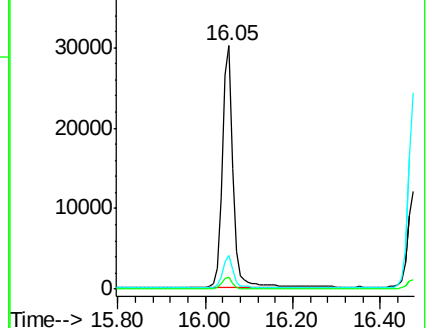
153 13.8 11.4 17.0

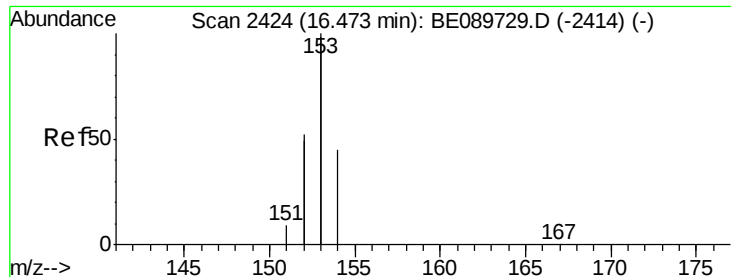


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 16.47 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

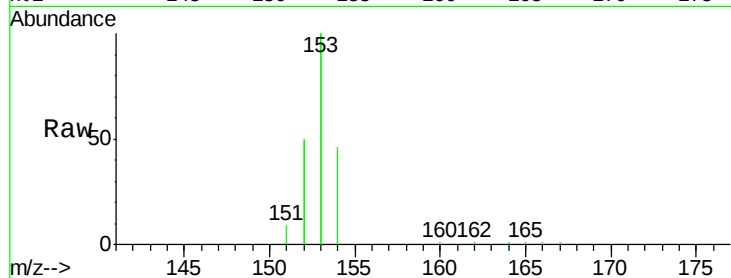
Tgt Ion:153 Resp: 39232

Ion Ratio Lower Upper

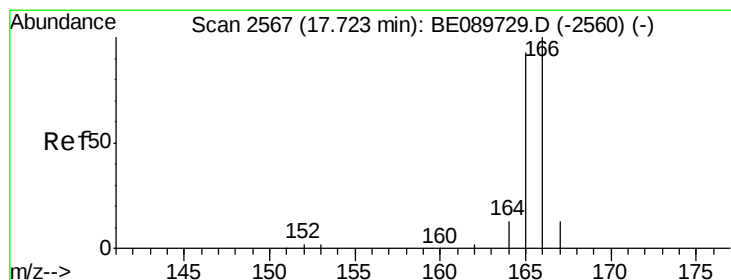
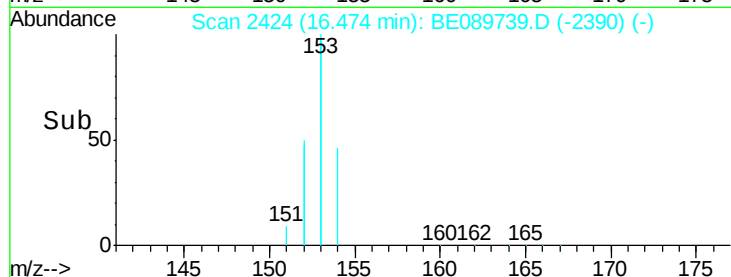
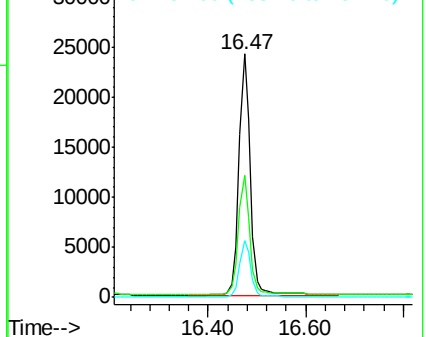
153 100

152 50.1 41.2 61.8

154 23.1 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: 0.41 ng/ul

RT: 17.72 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

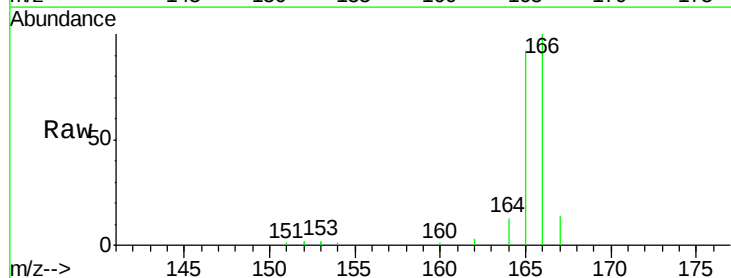
Tgt Ion:166 Resp: 10504

Ion Ratio Lower Upper

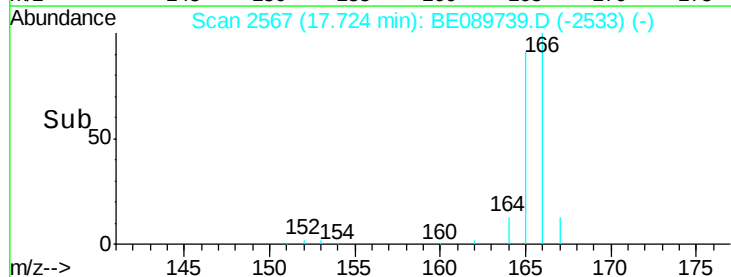
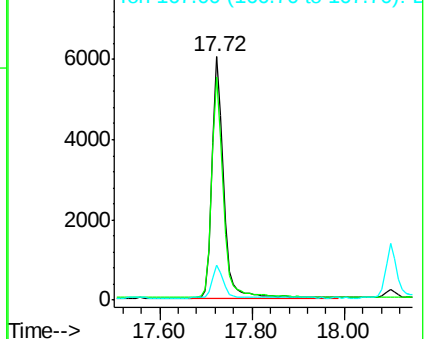
166 100

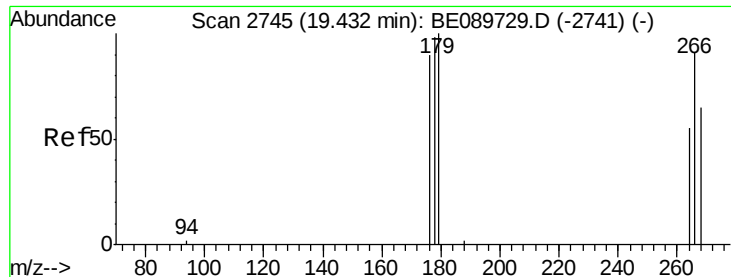
165 91.8 74.9 112.3

167 14.3 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

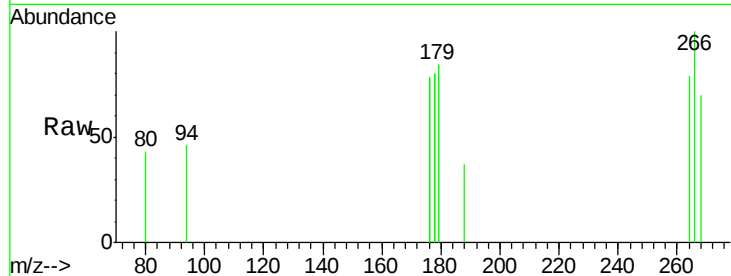




#13
 Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 19.42 min Scan# 2744
 Delta R.T. -0.01 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

Tgt Ion: 266 Resp: 230

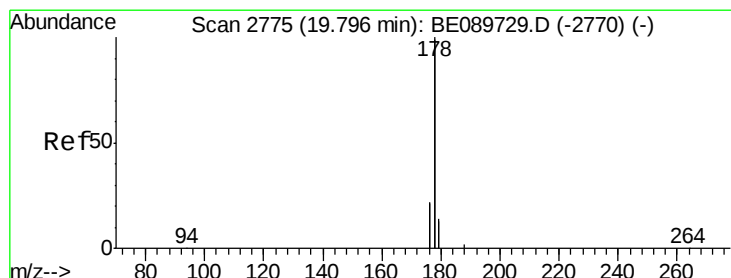
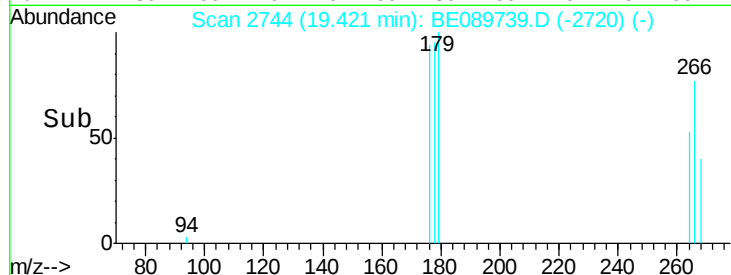
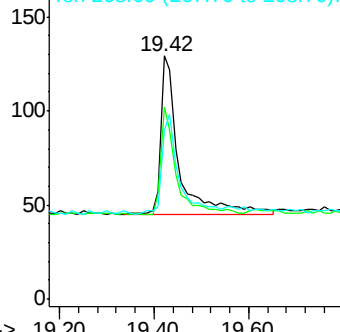
Ion	Ratio	Lower	Upper
266	100		
264	57.0	49.4	74.2
268	58.3	47.9	71.9



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

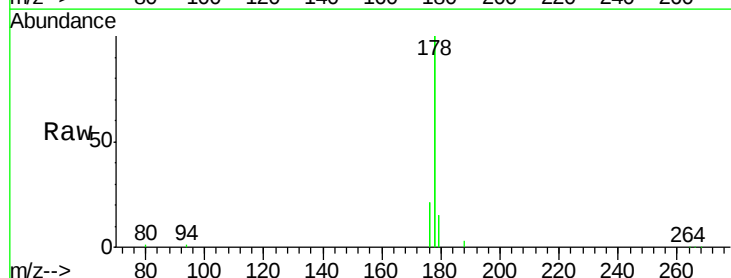
Ion 268.00 (267.70 to 268.70): E



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 19.80 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

Tgt Ion: 178 Resp: 61530

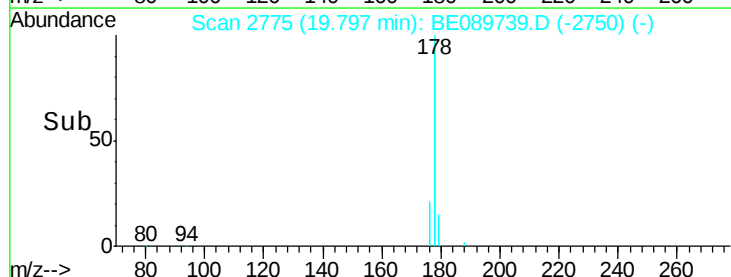
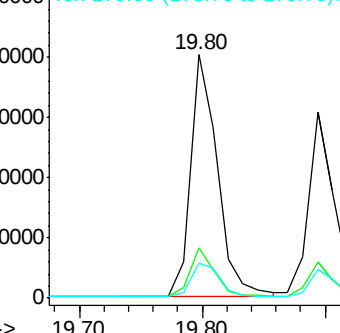
Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.6	26.4
179	14.6	11.6	17.4

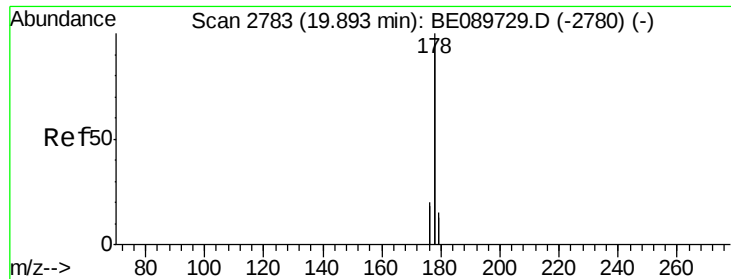


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

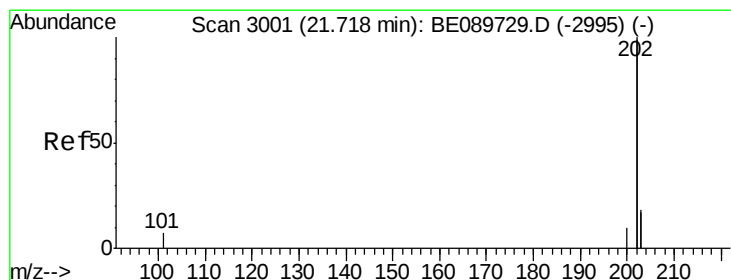
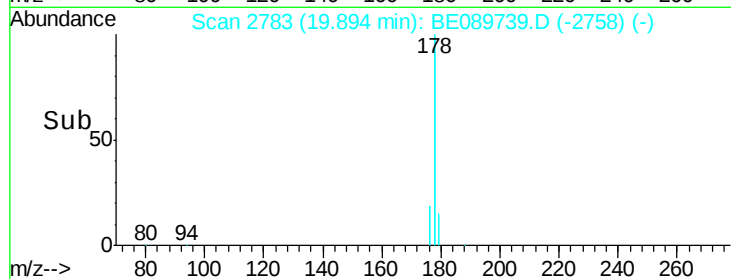
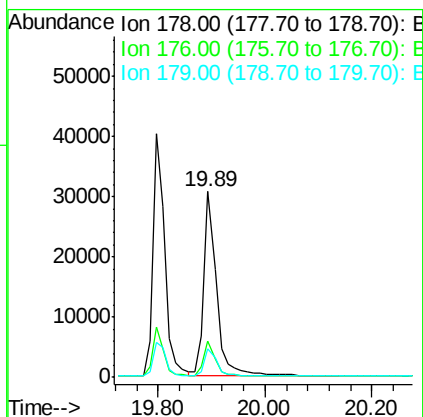
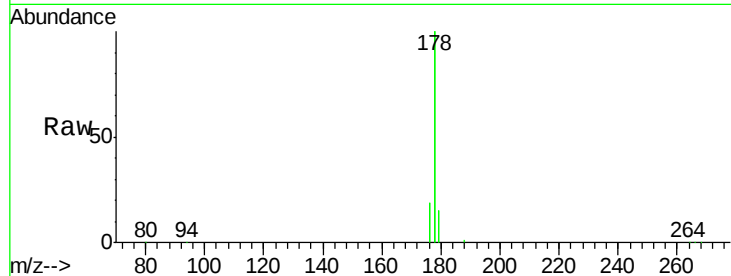
Ion 179.00 (178.70 to 179.70): E





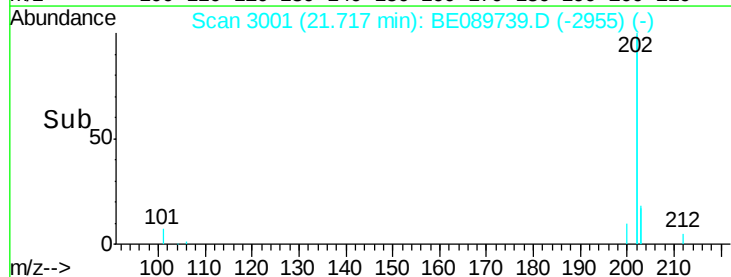
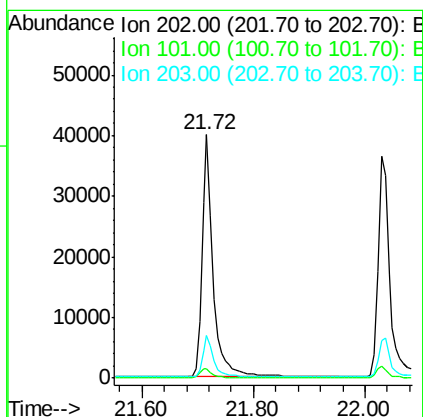
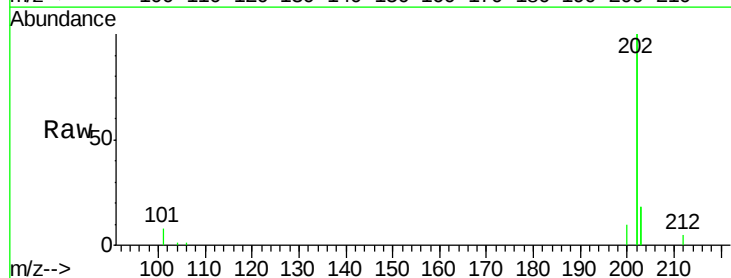
#15
 Anthracene
 Concen: 0.36 ng/ul
 RT: 19.89 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

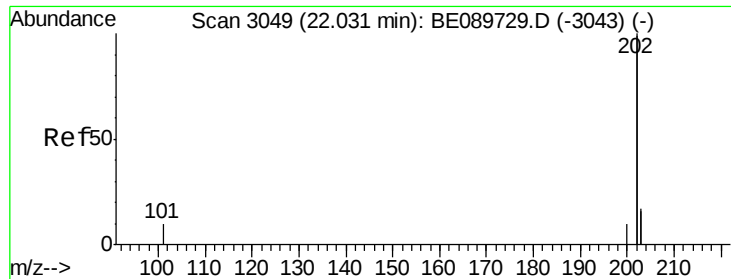
Tgt Ion:178 Resp: 48674
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.6
 179 15.2 12.0 18.0



#17
 Fluoranthene
 Concen: 0.37 ng/ul
 RT: 21.72 min Scan# 3001
 Delta R.T. -0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

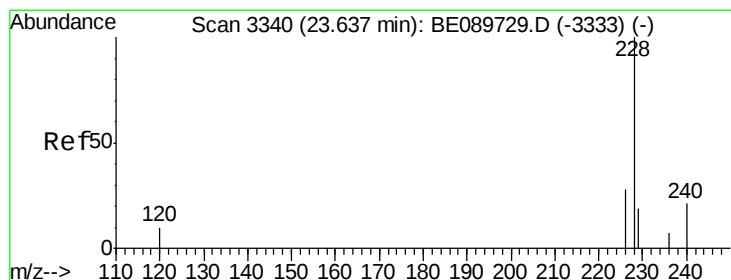
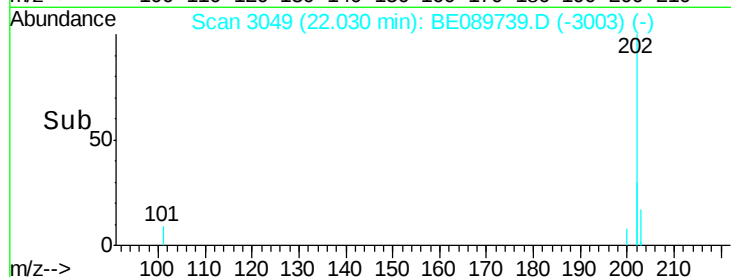
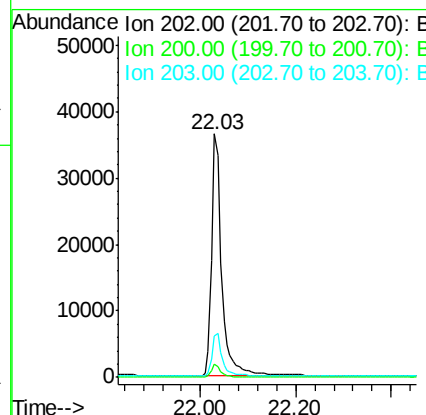
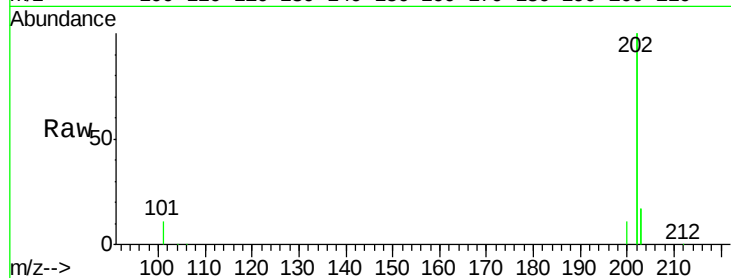
Tgt Ion:202 Resp: 55582
 Ion Ratio Lower Upper
 202 100
 101 3.8 0.0 24.2
 203 17.7 0.0 37.0





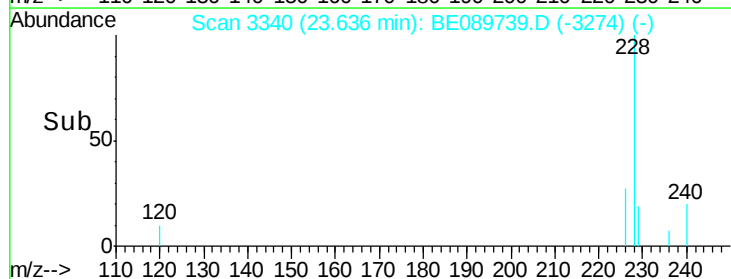
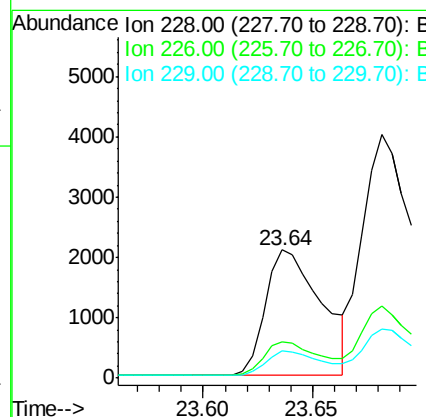
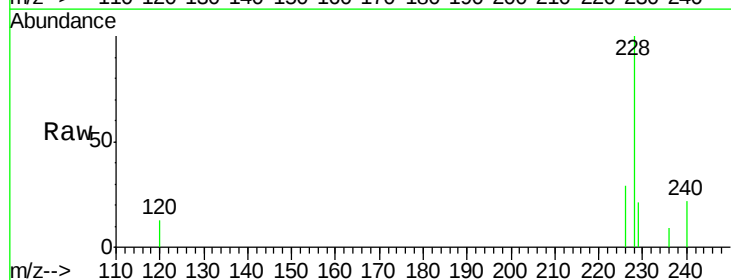
#19
 Pyrene
 Concen: 0.44 ng/ul
 RT: 22.03 min Scan# 3049
 Delta R.T. -0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

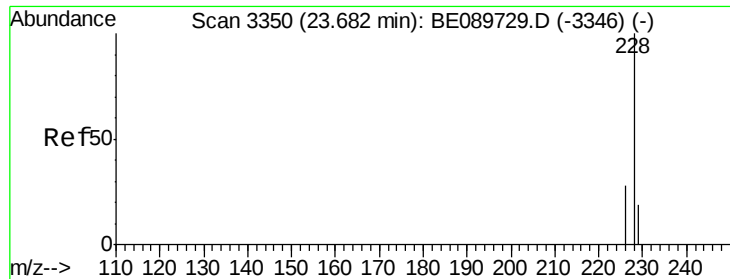
Tgt Ion: 202 Resp: 53501
 Ion Ratio Lower Upper
 202 100
 200 5.5 4.4 6.6
 203 17.0 13.6 20.4



#20
 Benzo(a)anthracene
 Concen: 0.29 ng/ul
 RT: 23.64 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

Tgt Ion: 228 Resp: 3679
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.8 34.2
 229 21.1 16.2 24.2





#21

Chrysene

Concen: 0.40 ng/ul

RT: 23.68 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

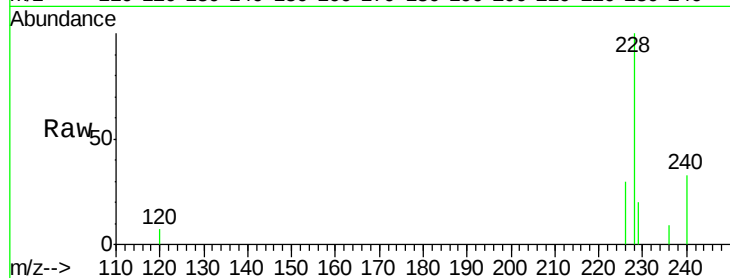
Tgt Ion: 228 Resp: 10920

Ion Ratio Lower Upper

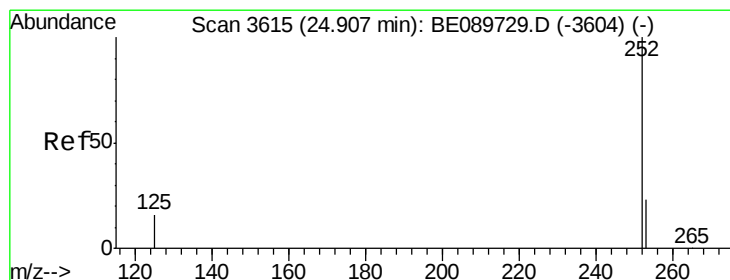
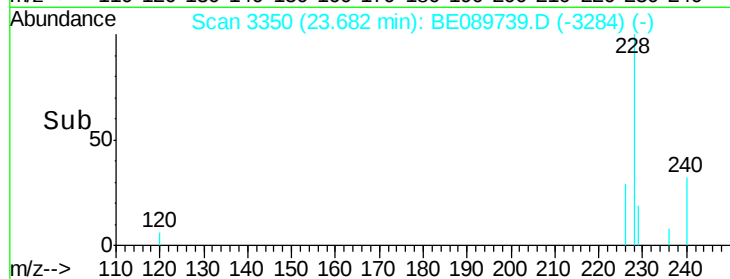
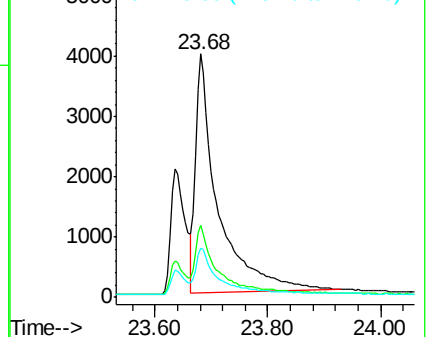
228 100

226 29.5 23.7 35.5

229 20.2 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: 0.29 ng/ul

RT: 24.90 min Scan# 3614

Delta R.T. -0.01 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

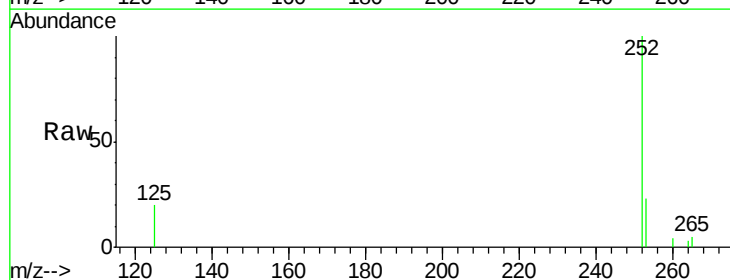
Tgt Ion: 252 Resp: 1531

Ion Ratio Lower Upper

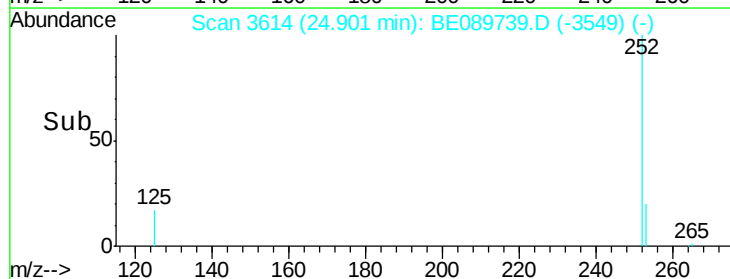
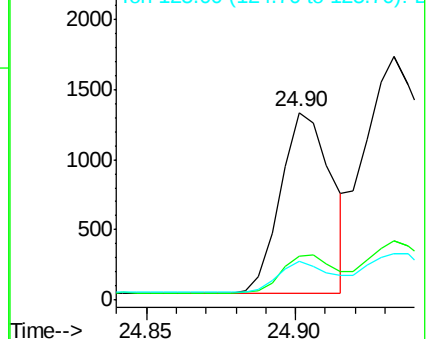
252 100

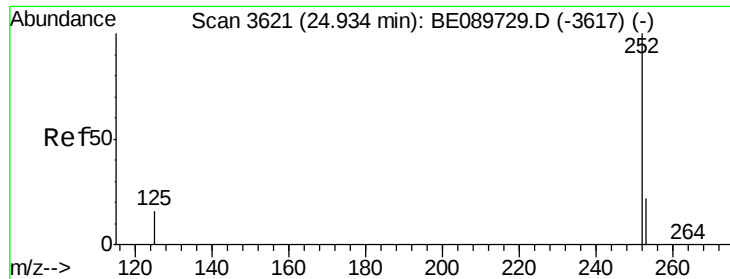
253 23.4 0.0 47.0

125 20.3 0.0 37.8



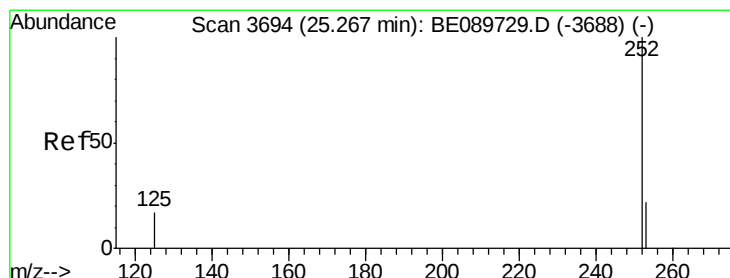
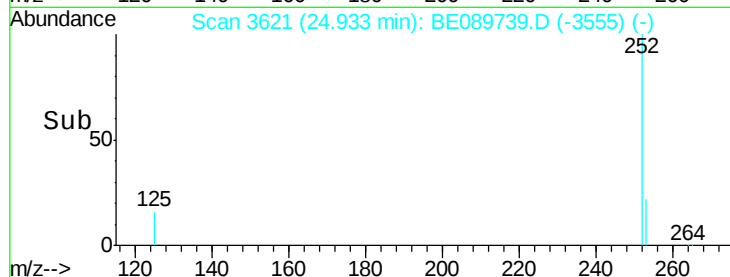
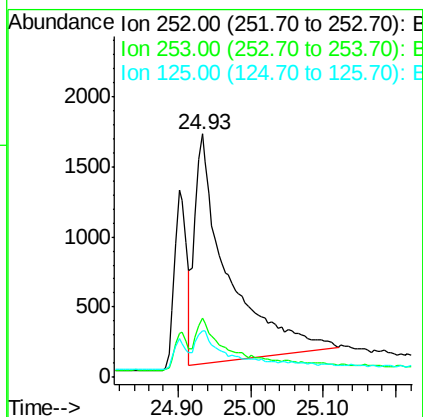
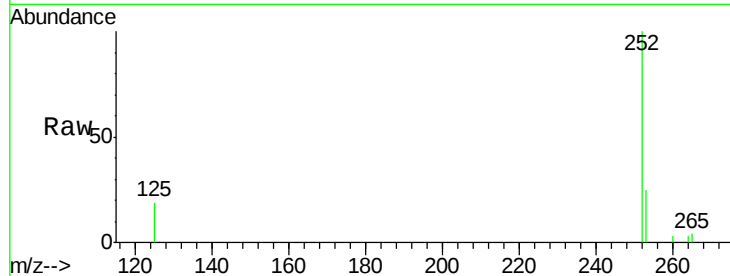
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





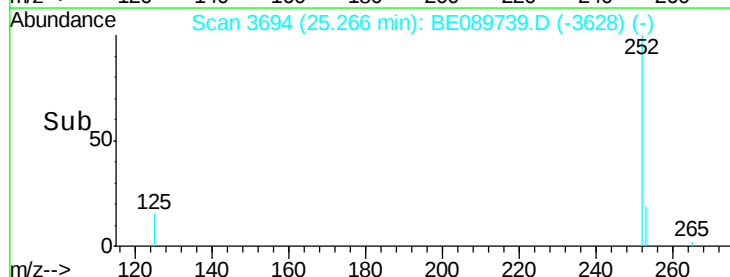
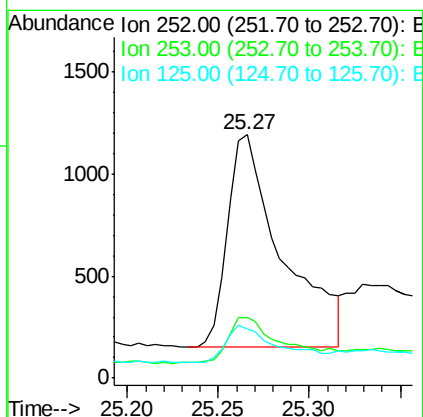
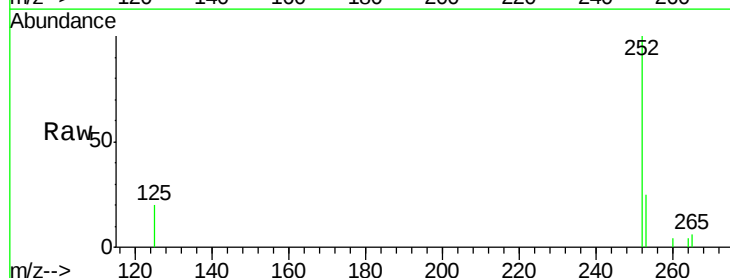
#24
Benzo(k)fluoranthene
Concen: 0.30 ng/ul
RT: 24.93 min Scan# 3621
Delta R.T. -0.00 min
Lab File: BE089739.D
Acq: 5 Mar 2015 1:51

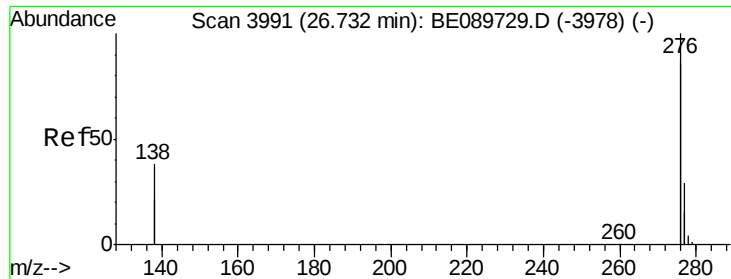
Tgt Ion: 252 Resp: 5175
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.4
125 19.2 14.6 22.0



#25
Benzo(a)pyrene
Concen: 0.31 ng/ul
RT: 25.27 min Scan# 3694
Delta R.T. -0.00 min
Lab File: BE089739.D
Acq: 5 Mar 2015 1:51

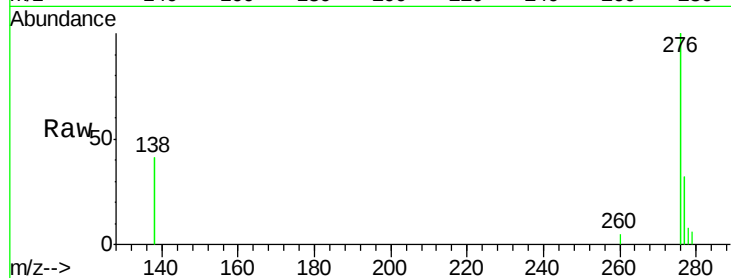
Tgt Ion: 252 Resp: 2174
Ion Ratio Lower Upper
252 100
253 24.9 19.8 29.6
125 20.3 16.0 24.0



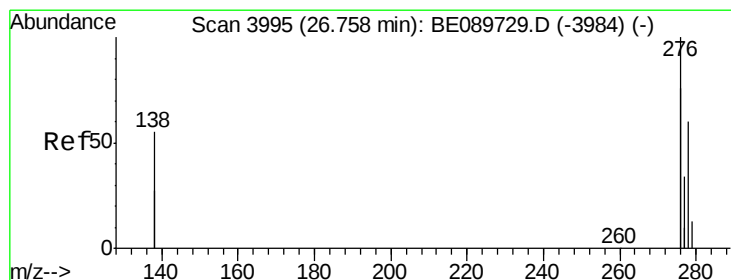
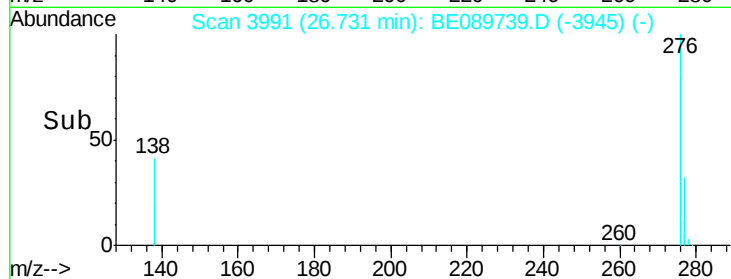
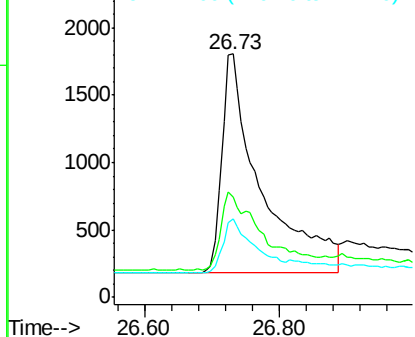


#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng/ul
 RT: 26.73 min Scan# 3991
 Delta R.T. -0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

Tgt Ion: 276 Resp: 6620
 Ion Ratio Lower Upper
 276 100
 138 38.2 36.8 55.2
 277 19.9 20.6 31.0#

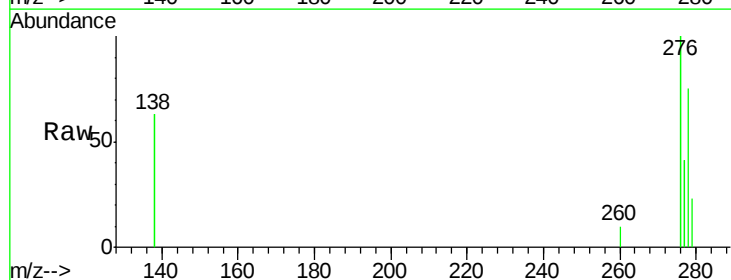


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

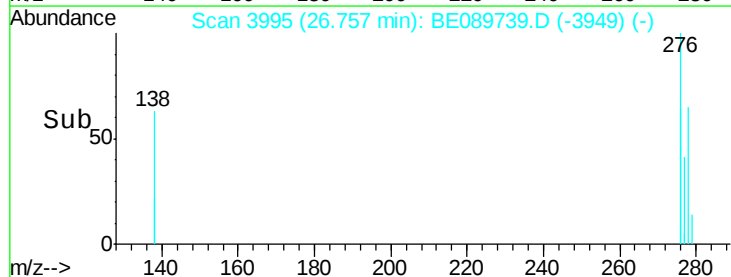
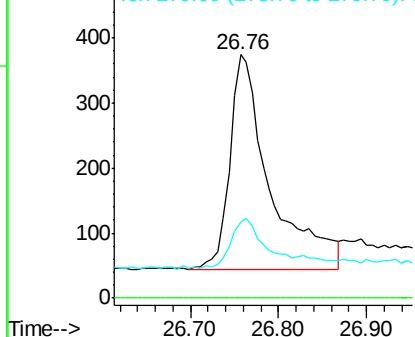


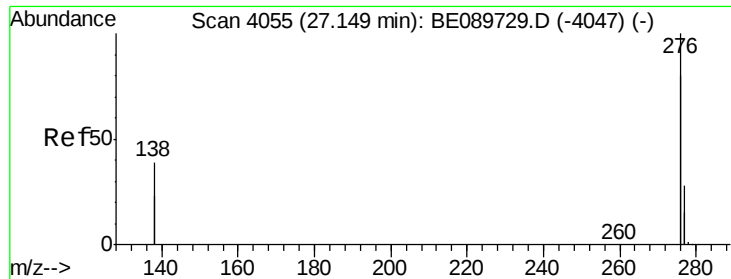
#27
 Dibenzo(a,h)anthracene
 Concen: 0.23 ng/ul
 RT: 26.76 min Scan# 3995
 Delta R.T. -0.00 min
 Lab File: BE089739.D
 Acq: 5 Mar 2015 1:51

Tgt Ion: 278 Resp: 1047
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 31.0 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: 0.34 ng/ul

RT: 27.14 min Scan# 4054

Delta R.T. -0.01 min

Lab File: BE089739.D

Acq: 5 Mar 2015 1:51

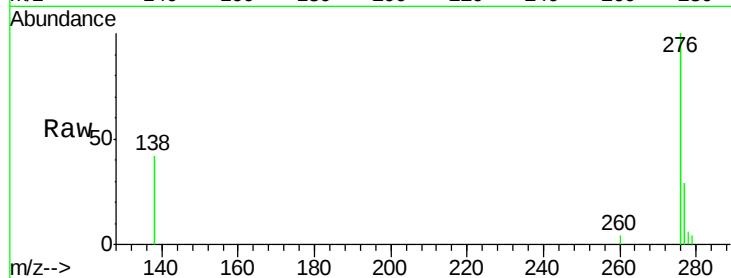
Tgt Ion: 276 Resp: 11932

Ion Ratio Lower Upper

276 100

277 28.7 21.4 32.2

138 41.6 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

