

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030515\
 Data File : BE089746.D
 Acq On : 5 Mar 2015 16:13
 Operator : TP/JJ
 Sample : MDL-04-S
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 06 09:40:32 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 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	4232	0.40	ng/ul	0.00
4) Naphthalene-d8	12.23	136	17643	0.40	ng/ul	0.00
8) Acenaphthene-d10	16.40	164	7535	0.40	ng/ul	0.00
12) Phenanthrene-d10	19.76	188	13425	0.40	ng/ul	0.00
18) Chrysene-d12	23.65	240	5945	0.40	ng/ul	0.00
22) Perylene-d12	25.33	264	3016	0.40	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	2.64	96	8272	1.49	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.84	152	4	0.00	ng/ul	-0.02
16) Fluoranthene-d10	21.70	212	4	0.00	ng/ul	0.01

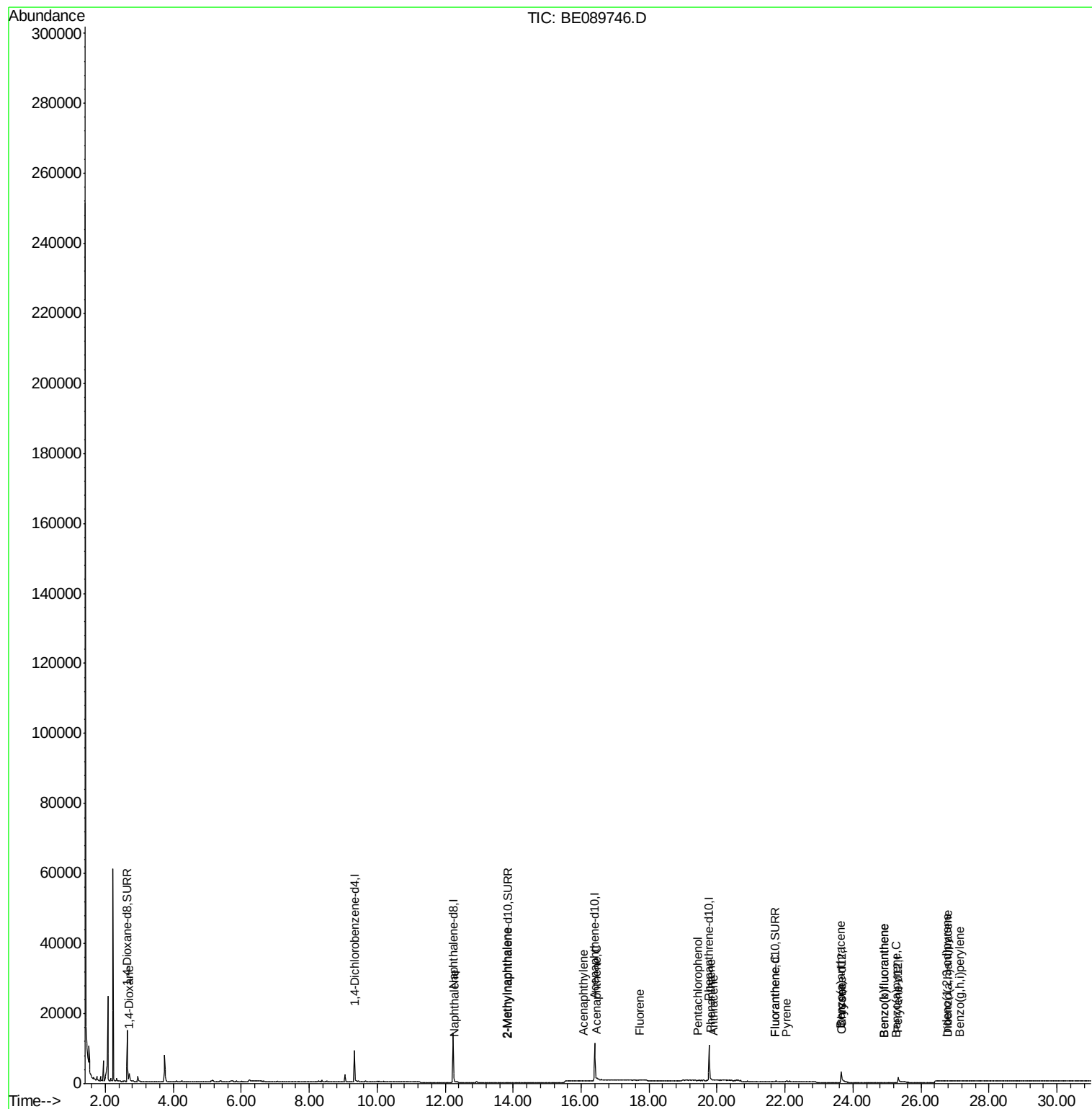
Target Compounds

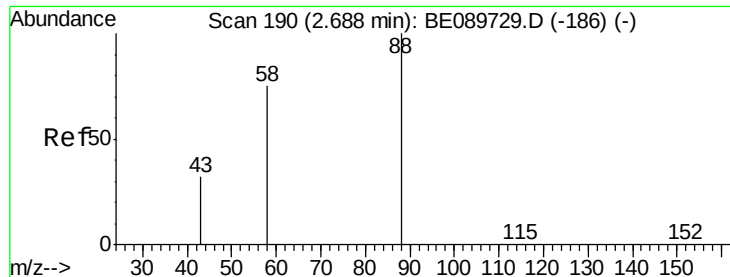
					Qvalue
3) 1,4-Dioxane	2.71	88	1930	0.30 ng/ul#	81
5) Naphthalene	12.28	128	37	0.00 ng/ul#	1
7) 2-Methylnaphthalene	13.82	142	1	0.00 ng/ul	83
9) Acenaphthylene	16.06	152	78	0.00 ng/ul#	1
10) Acenaphthene	16.46	153	317	0.00 ng/ul#	31
11) Fluorene	17.72	166	63	0.00 ng/ul#	54
13) Pentachlorophenol	19.43	266	17	0.03 ng/ul#	48
14) Phenanthrene	19.81	178	282	0.00 ng/ul#	1
15) Anthracene	19.91	178	156	0.00 ng/ul#	1
17) Fluoranthene	21.72	202	203	0.00 ng/ul#	1
19) Pyrene	22.03	202	180	0.00 ng/ul#	2
20) Benzo(a)anthracene	23.64	228	27	0.00 ng/ul#	1
21) Chrysene	23.68	228	29	0.00 ng/ul#	1
23) Benzo(b)fluoranthene	24.91	252	20	0.01 ng/ul#	1
24) Benzo(k)fluoranthene	24.91	252	20	0.00 ng/ul#	1
25) Benzo(a)pyrene	25.27	252	10	0.00 ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	26.75	276	22	0.00 ng/ul#	85
27) Dibenzo(a,h)anthracene	26.79	278	6	0.00 ng/ul#	1
28) Benzo(g,h,i)perylene	27.14	276	17	0.00 ng/ul#	1

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

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Quant Time: Mar 06 09:40:32 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 14:17:55 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.30 ng/ul

RT: 2.71 min Scan# 193

Delta R.T. 0.02 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

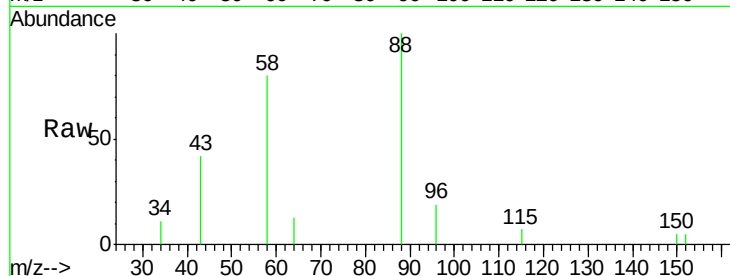
Tgt Ion: 88 Resp: 1930

Ion Ratio Lower Upper

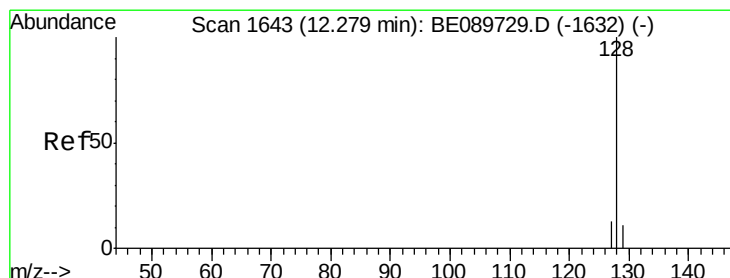
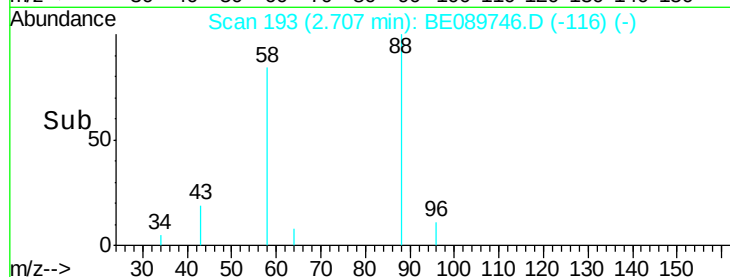
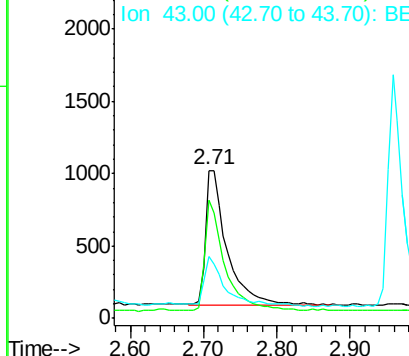
88 100

58 74.7 61.3 91.9

43 0.0 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: 0.00 ng/ul

RT: 12.28 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

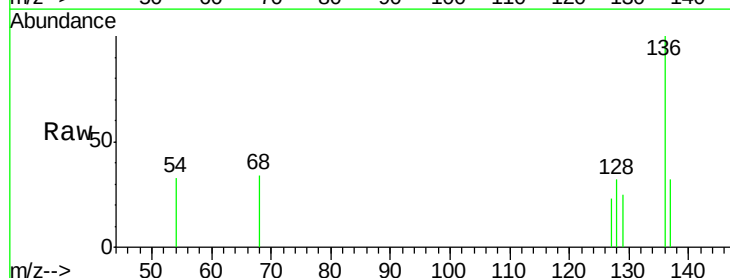
Tgt Ion: 128 Resp: 37

Ion Ratio Lower Upper

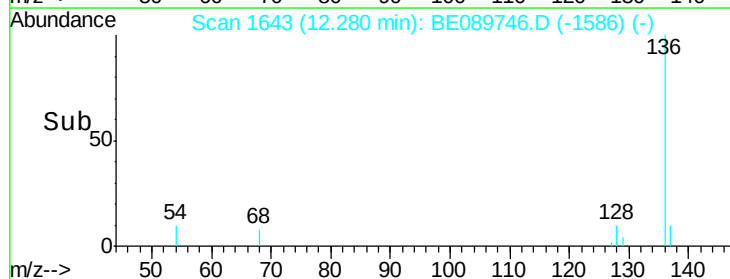
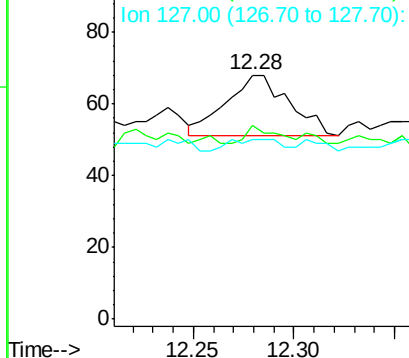
128 100

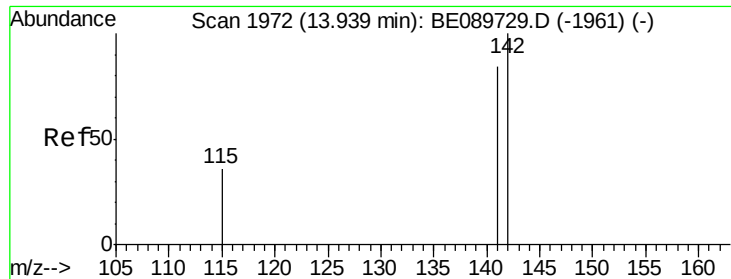
129 79.4 9.0 13.6#

127 73.5 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: 0.00 ng/ul

RT: 13.82 min Scan# 1946

Delta R.T. -0.12 min

Lab File: BE089746.D

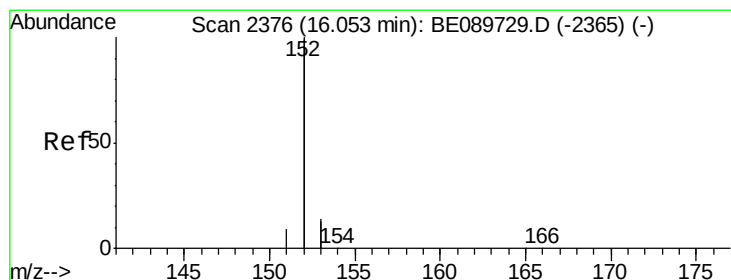
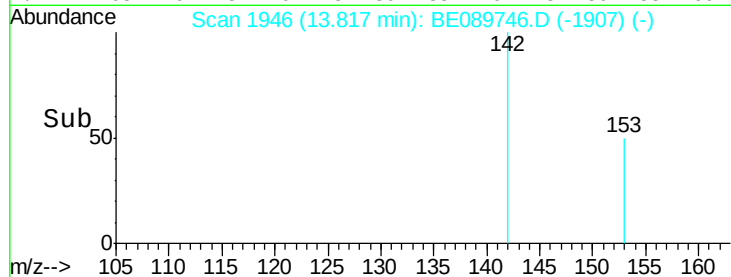
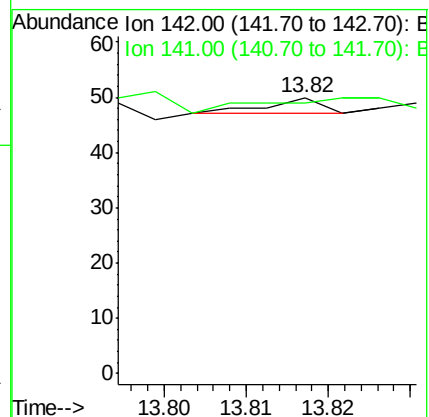
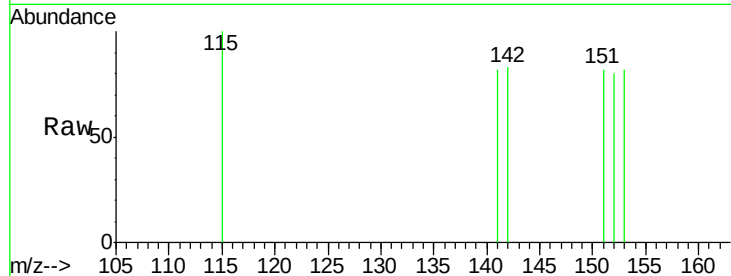
Acq: 5 Mar 2015 16:13

Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

142 100

141 100.0 67.4 101.0



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 16.06 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

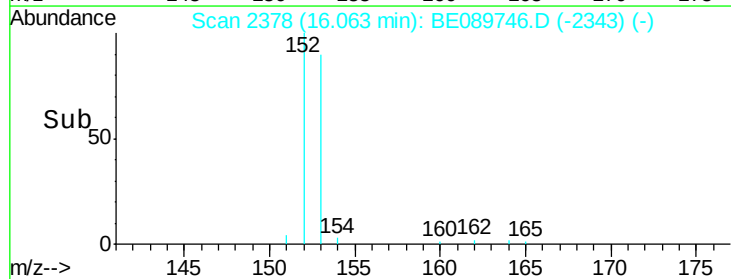
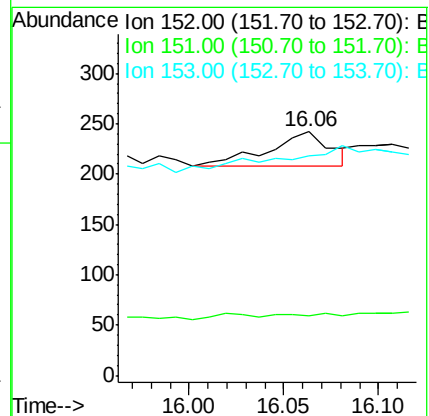
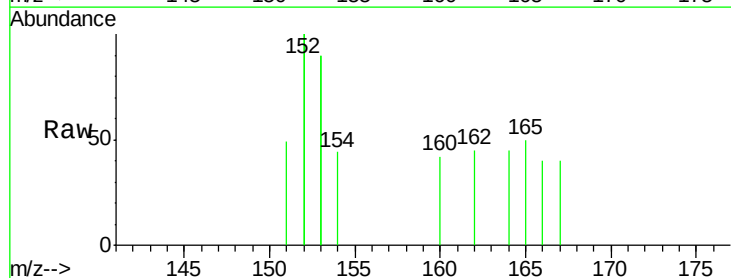
Tgt Ion:152 Resp: 78

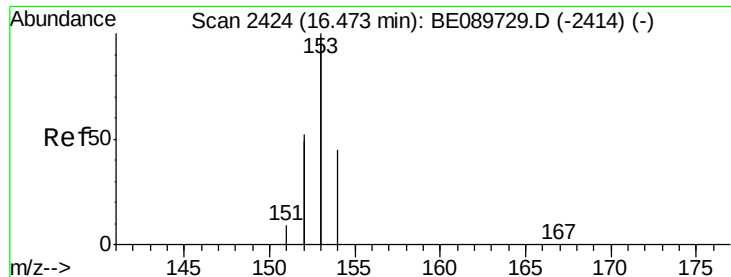
Ion Ratio Lower Upper

152 100

151 24.4 3.8 5.8#

153 90.1 11.4 17.0#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 16.46 min Scan# 2423

Delta R.T. -0.02 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

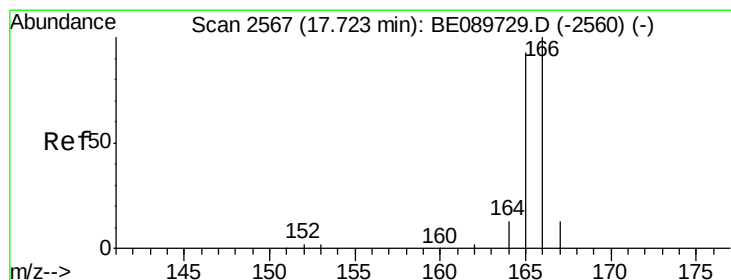
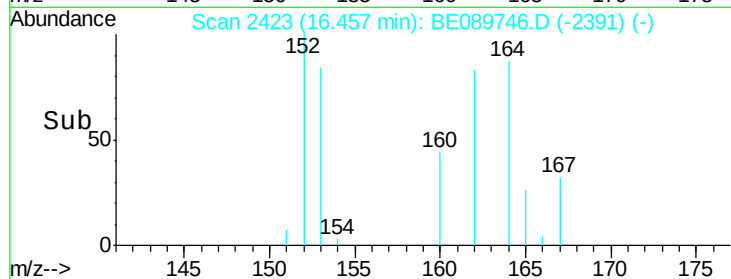
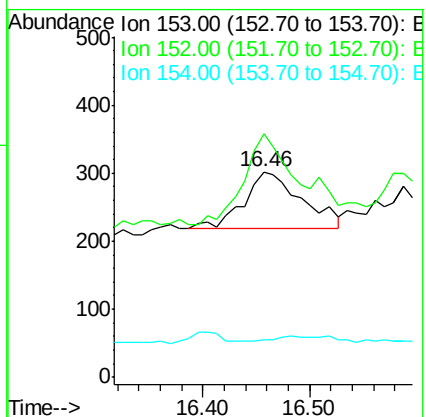
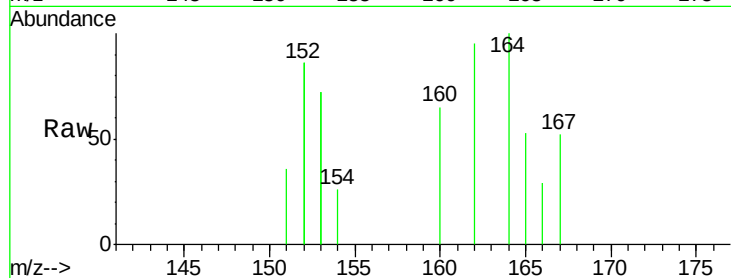
Tgt Ion:153 Resp: 317

Ion Ratio Lower Upper

153 100

152 118.5 41.2 61.8#

154 18.2 18.2 27.2



#11

Fluorene

Concen: 0.00 ng/ul

RT: 17.72 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

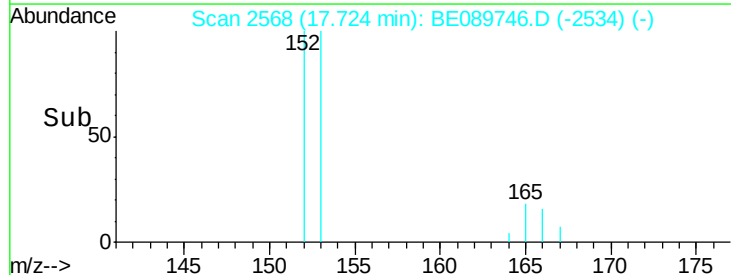
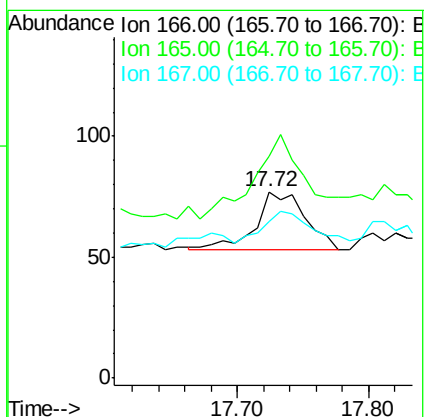
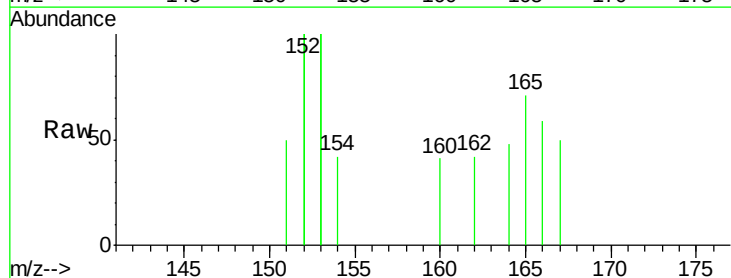
Tgt Ion:166 Resp: 63

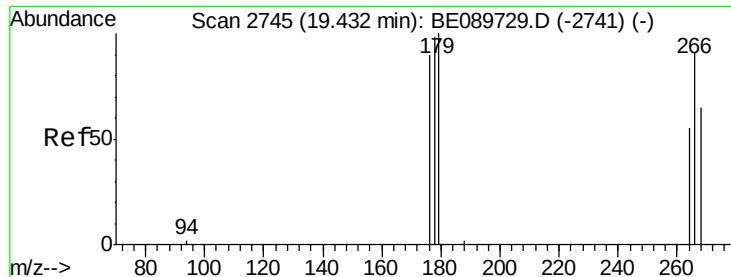
Ion Ratio Lower Upper

166 100

165 119.5 74.9 112.3#

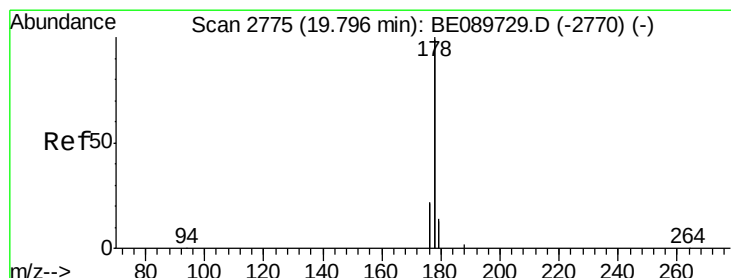
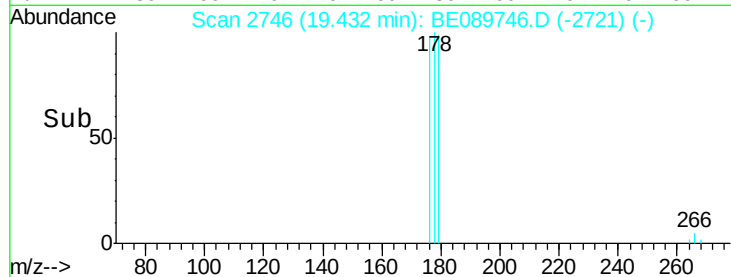
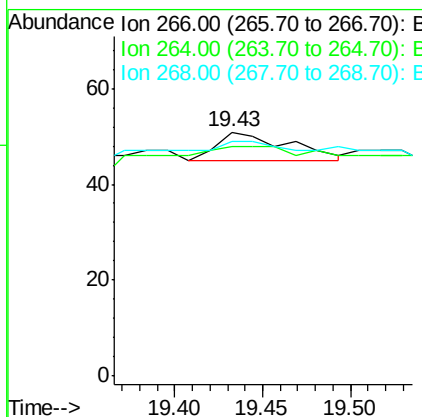
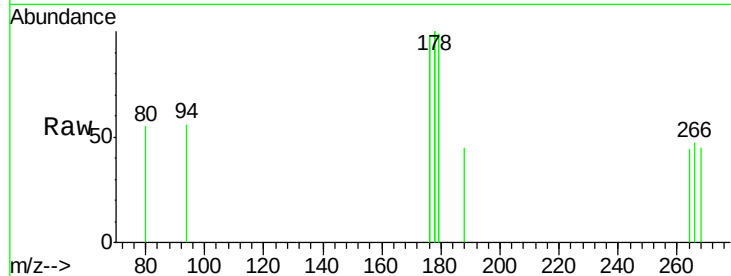
167 84.4 11.5 17.3#





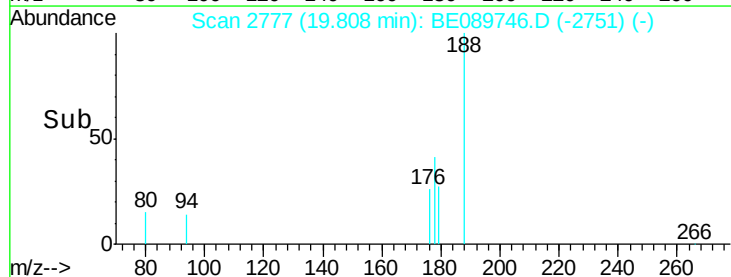
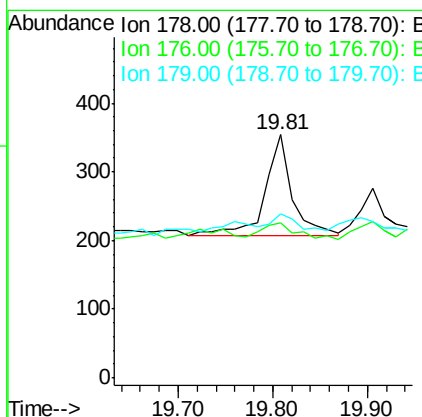
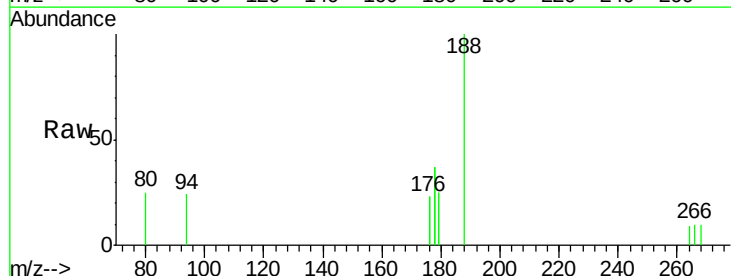
#13
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 19.43 min Scan# 2746
 Delta R.T. 0.00 min
 Lab File: BE089746.D
 Acq: 5 Mar 2015 16:13

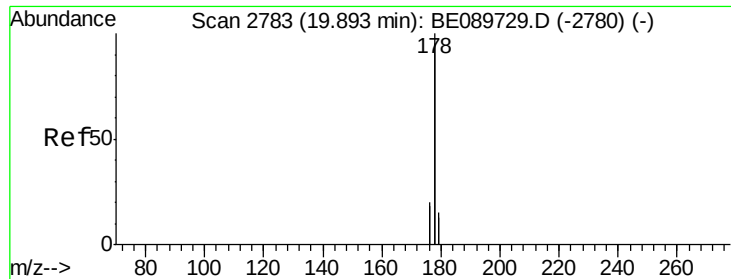
Tgt Ion: 266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 135.3 49.4 74.2#
 268 64.7 47.9 71.9



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 19.81 min Scan# 2777
 Delta R.T. 0.01 min
 Lab File: BE089746.D
 Acq: 5 Mar 2015 16:13

Tgt Ion: 178 Resp: 282
 Ion Ratio Lower Upper
 178 100
 176 63.8 17.6 26.4#
 179 67.2 11.6 17.4#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 19.91 min Scan# 2785

Delta R.T. 0.01 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

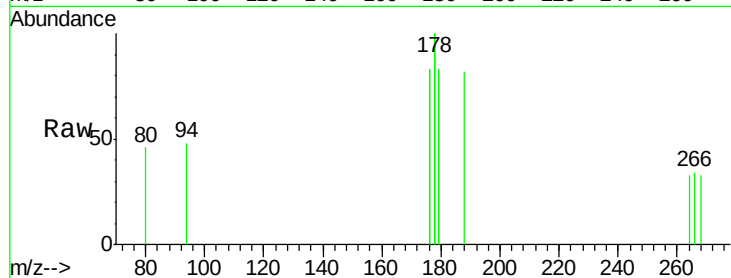
Tgt Ion:178 Resp: 156

Ion Ratio Lower Upper

178 100

176 82.6 15.8 23.6#

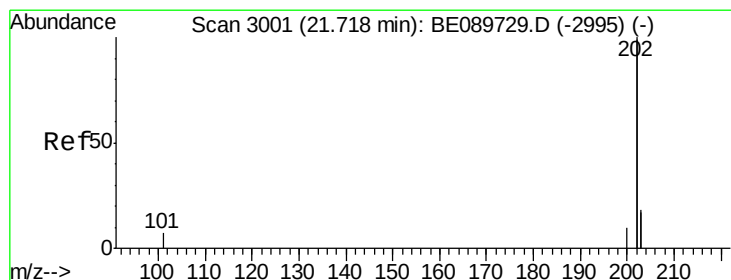
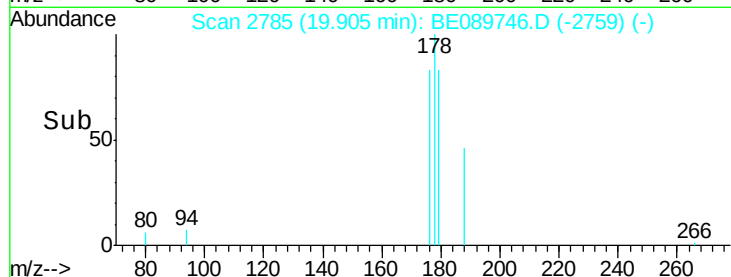
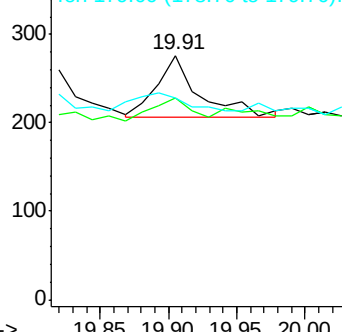
179 82.6 12.0 18.0#



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: 0.00 ng/ul

RT: 21.72 min Scan# 3003

Delta R.T. 0.01 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

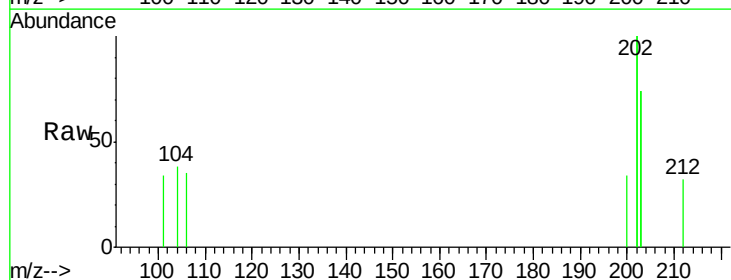
Tgt Ion:202 Resp: 203

Ion Ratio Lower Upper

202 100

101 17.1 0.0 24.2

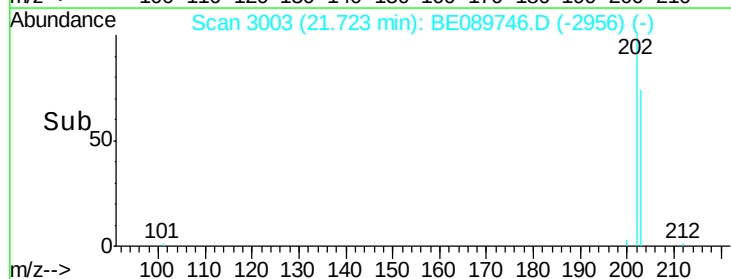
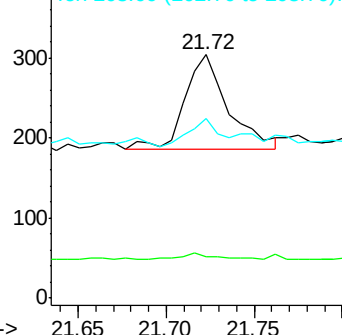
203 73.7 0.0 37.0#

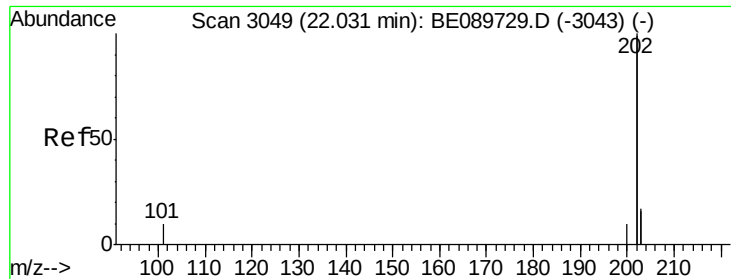


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 22.03 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

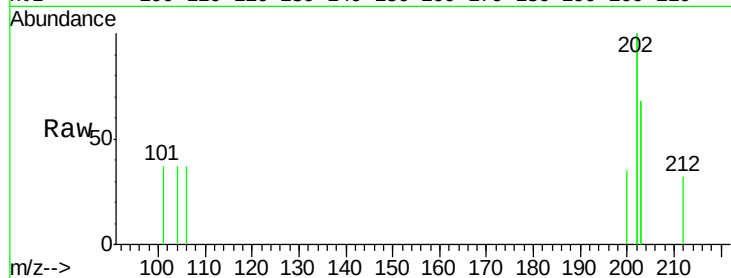
Tgt Ion: 202 Resp: 180

Ion Ratio Lower Upper

202 100

200 17.4 4.4 6.6#

203 68.4 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

22.03

300

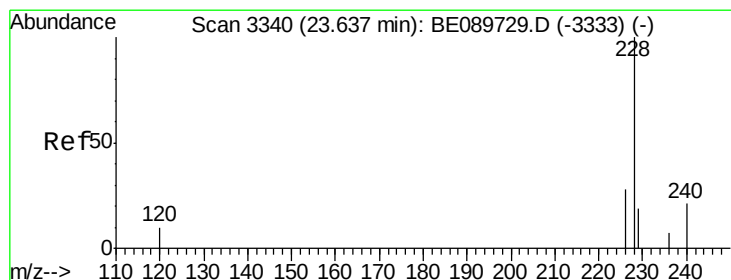
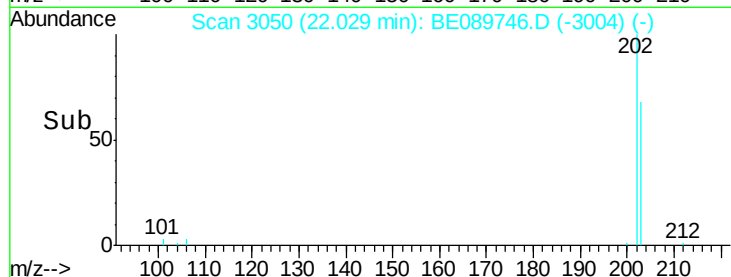
200

100

0

22.00 22.05 22.10

Time-->



#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 23.64 min Scan# 3341

Delta R.T. 0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

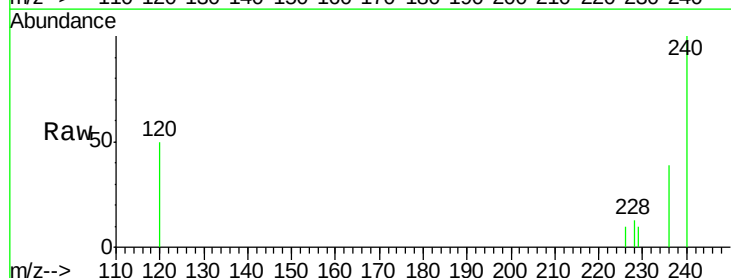
Tgt Ion: 228 Resp: 27

Ion Ratio Lower Upper

228 100

226 78.5 22.8 34.2#

229 75.4 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

23.64

80

60

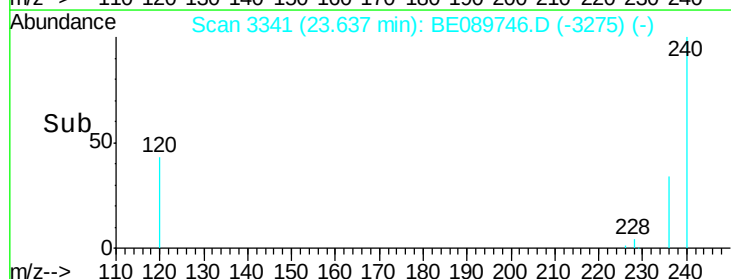
40

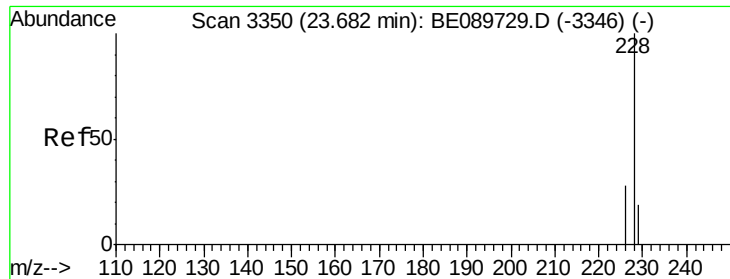
20

0

23.60 23.65

Time-->





#21

Chrysene

Concen: 0.00 ng/ul

RT: 23.68 min Scan# 3351

Delta R.T. 0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

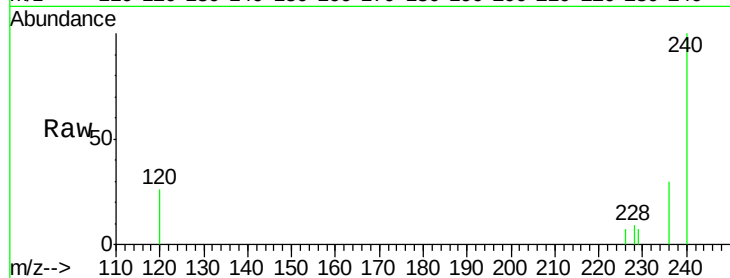
Tgt Ion:228 Resp: 29

Ion Ratio Lower Upper

228 100

226 75.0 23.7 35.5#

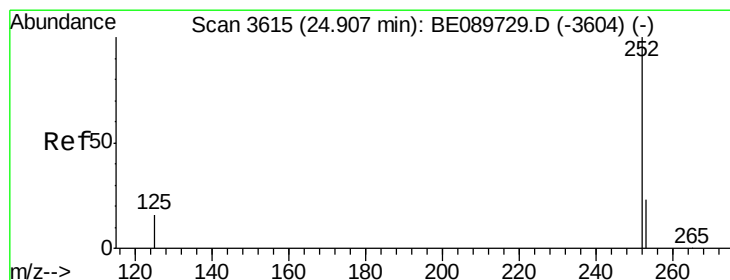
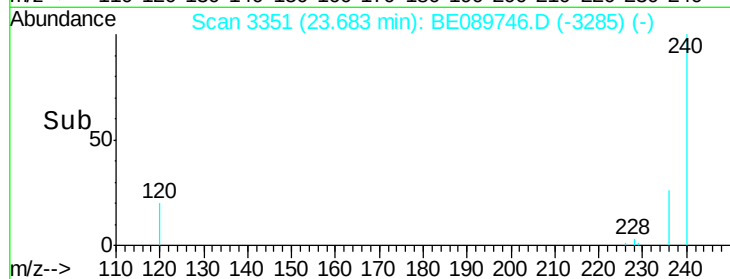
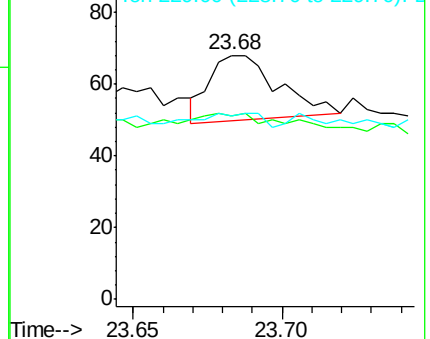
229 75.0 15.5 23.3#



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: 0.01 ng/ul

RT: 24.91 min Scan# 3618

Delta R.T. 0.01 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

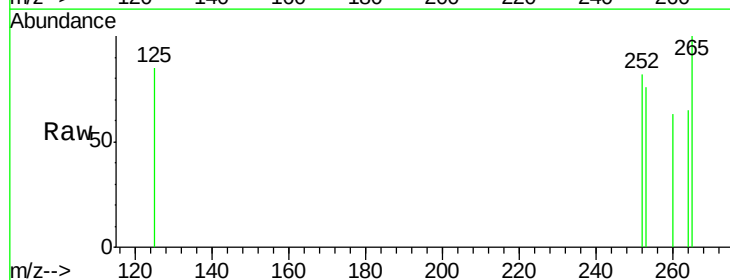
Tgt Ion:252 Resp: 20

Ion Ratio Lower Upper

252 100

253 93.2 0.0 47.0#

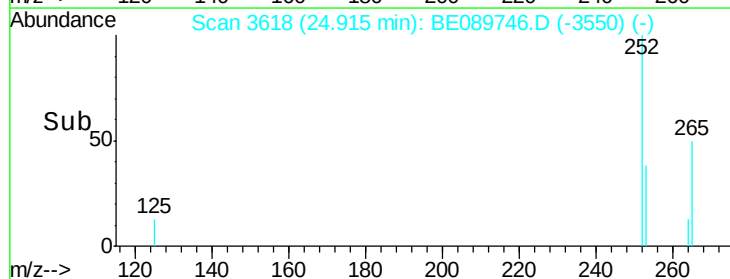
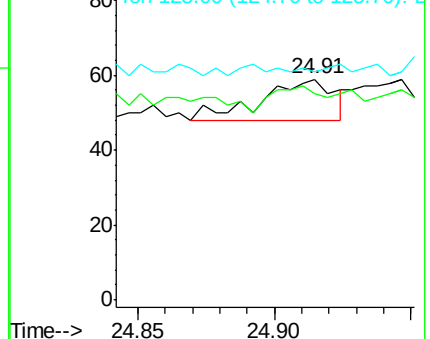
125 103.4 0.0 37.8#

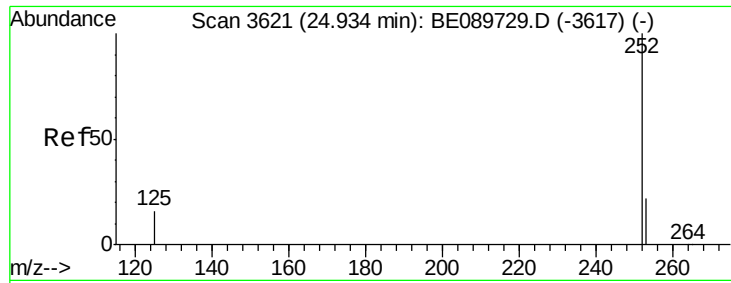


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

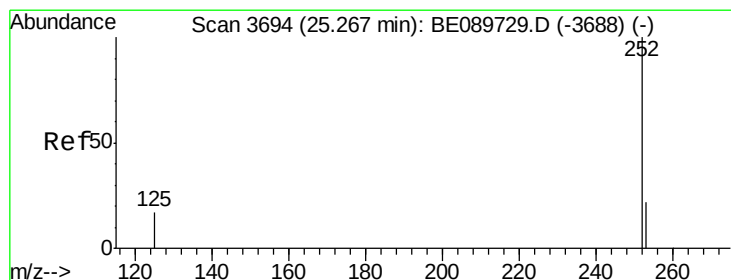
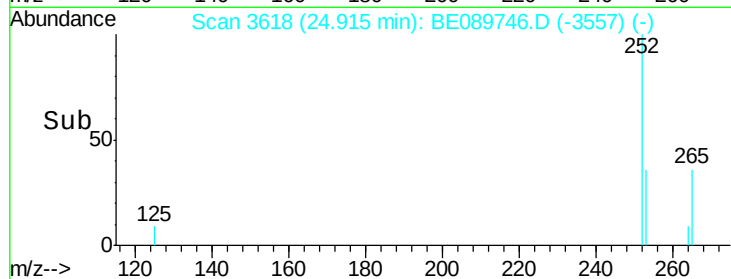
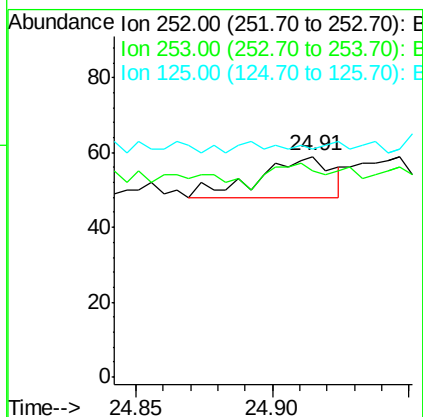
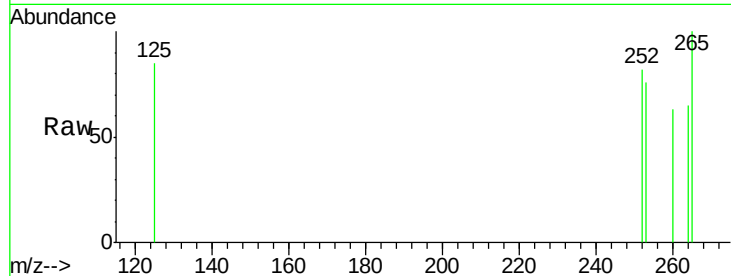
RT: 24.91 min Scan# 3618

Delta R.T. -0.02 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

Tgt Ion:	252	Resp:	20
Ion	Ratio	Lower	Upper
252	100		
253	93.2	18.2	27.4#
125	103.4	14.6	22.0#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

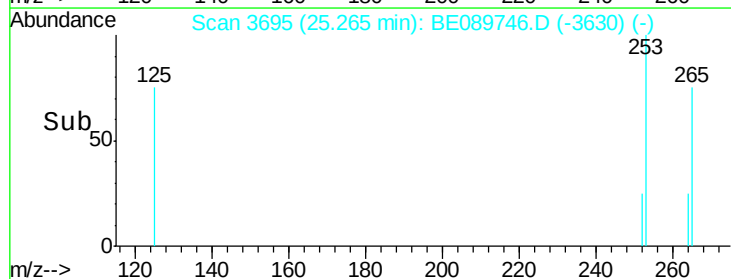
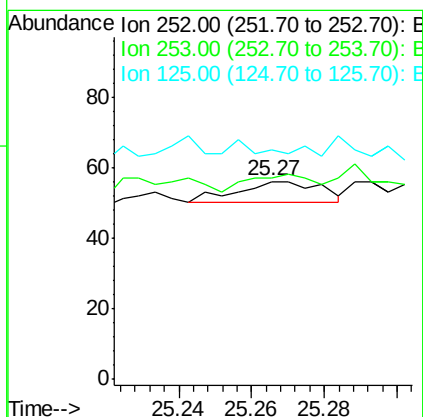
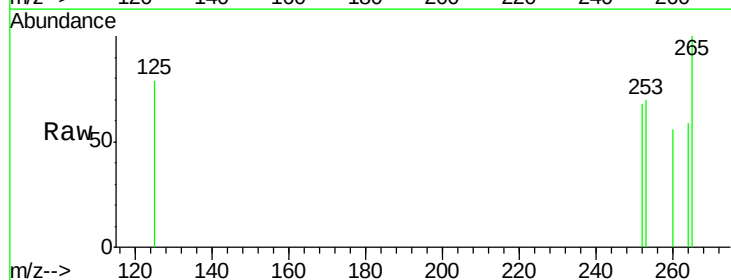
RT: 25.27 min Scan# 3695

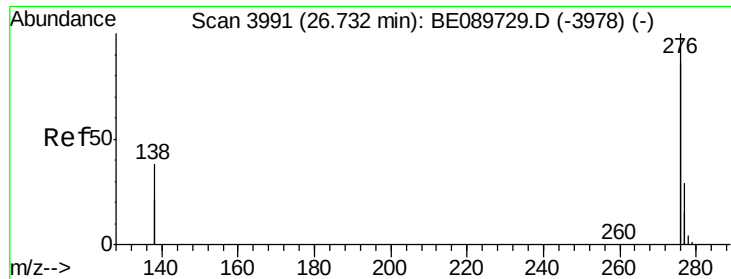
Delta R.T. -0.00 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

Tgt Ion:	252	Resp:	10
Ion	Ratio	Lower	Upper
252	100		
253	101.8	19.8	29.6#
125	116.1	16.0	24.0#

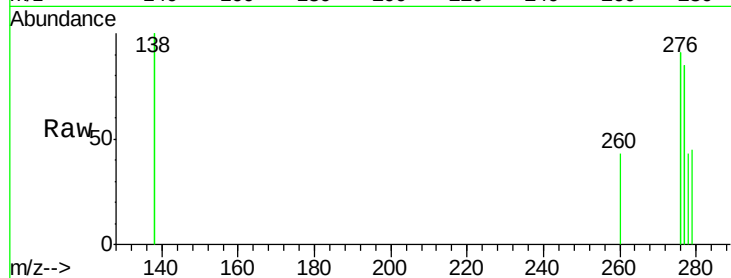




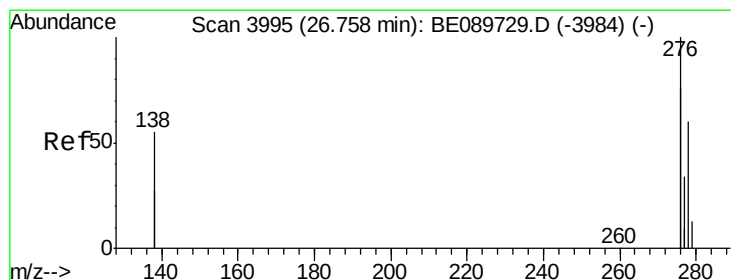
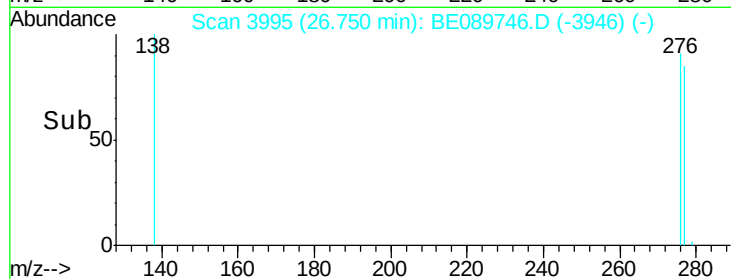
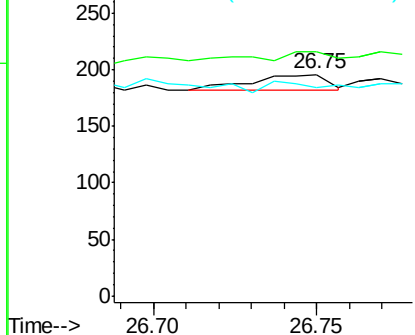
#26

Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 26.75 min Scan# 3995
Delta R.T. 0.02 min
Lab File: BE089746.D
Acq: 5 Mar 2015 16:13

Tgt Ion: 276 Resp: 22
Ion Ratio Lower Upper
276 100
138 50.0 36.8 55.2
277 40.9 20.6 31.0#



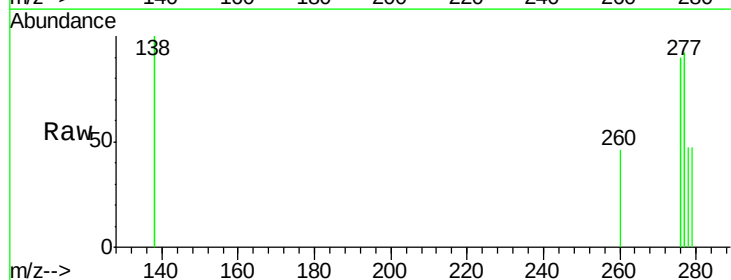
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



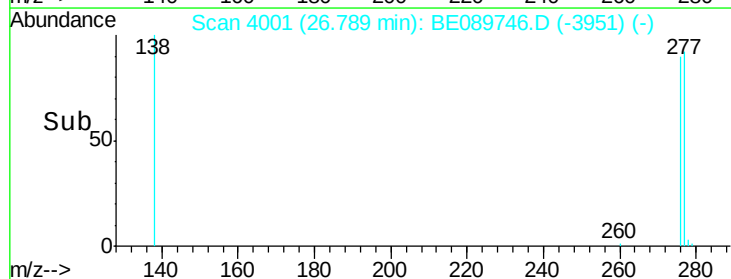
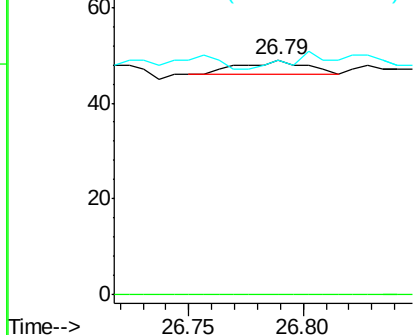
#27

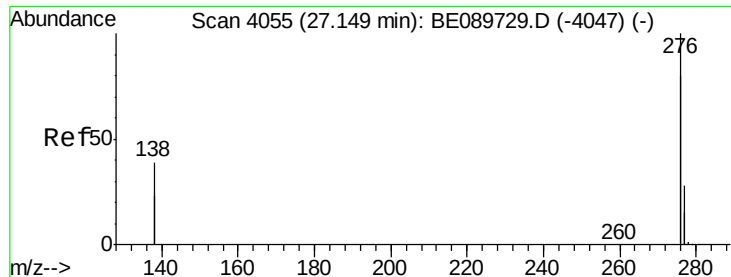
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 26.79 min Scan# 4001
Delta R.T. 0.03 min
Lab File: BE089746.D
Acq: 5 Mar 2015 16:13

Tgt Ion: 278 Resp: 6
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 100.0 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: 0.00 ng/ul

RT: 27.14 min Scan# 4055

Delta R.T. -0.01 min

Lab File: BE089746.D

Acq: 5 Mar 2015 16:13

Tgt Ion: 276 Resp: 17

Ion Ratio Lower Upper

276 100

277 94.9 21.4 32.2#

138 106.1 31.4 47.0#

