

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089660.D
 Acq On : 24 Feb 2015 4:01
 Operator : TP/JJ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.2/0.4
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 24 05:40:44 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 24 03:46:57 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	48967	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	225074	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	93940	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	168333	5.00	ng	0.00
19) Chrysene-d12	23.66	240	125451	5.00	ng	0.00
25) Perylene-d12	25.34	264	96318	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	110504	8.14	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	220256	10.43	ng	0.00
21) Terphenyl-d14	22.30	244	178907	9.99	ng	0.00

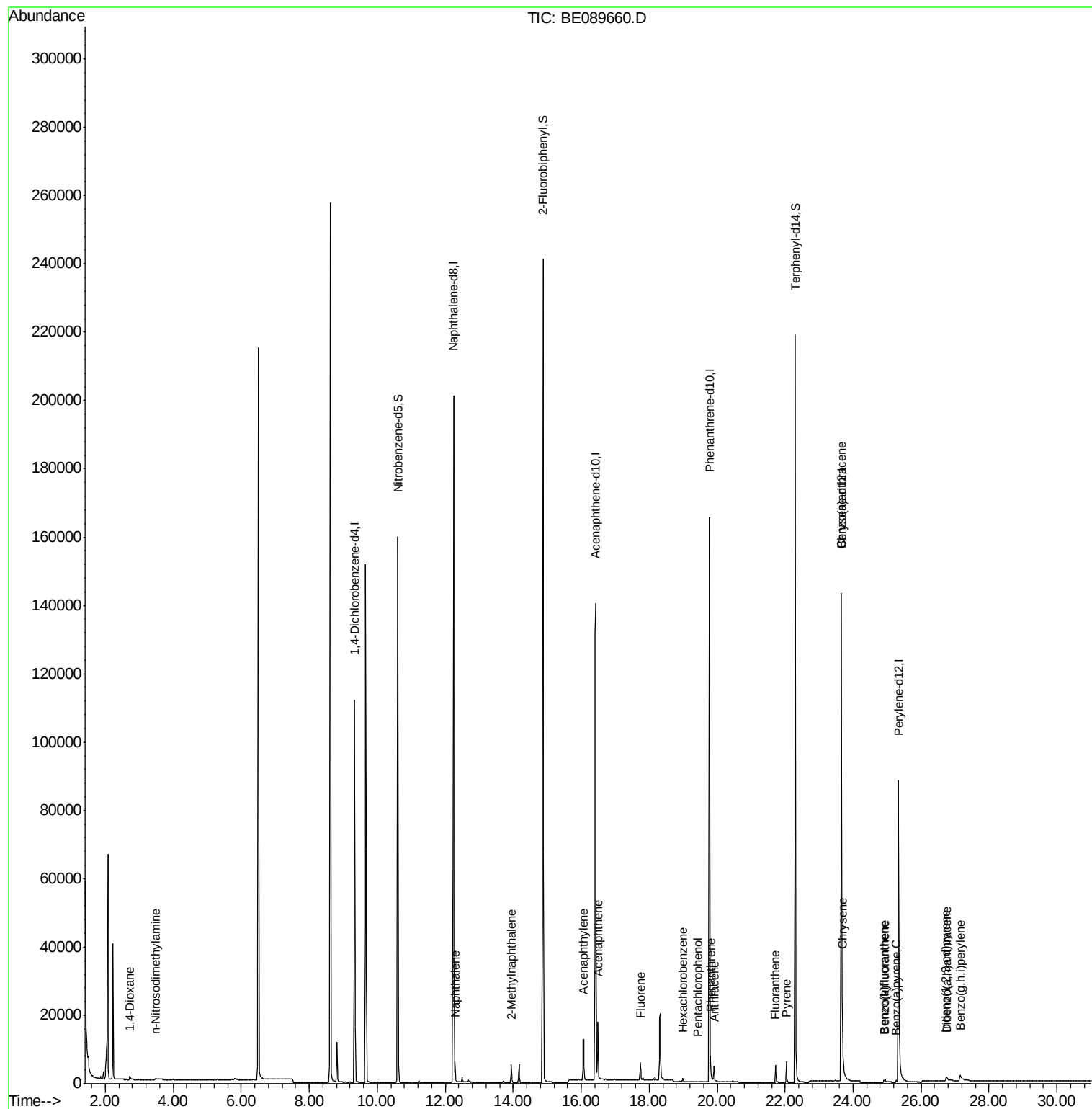
Target Compounds

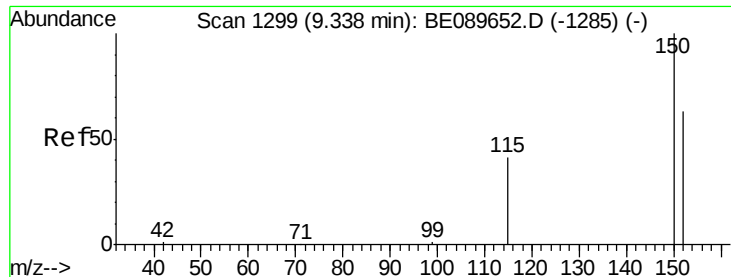
						Qvalue
2) 1,4-Dioxane	2.72	88	966	0.15	ng	# 82
3) n-Nitrosodimethylamine	3.47	42	863	0.15	ng	96
6) Naphthalene	12.29	128	6970	0.15	ng	98
7) 2-Methylnaphthalene	13.95	142	3819	0.15	ng	97
10) Acenaphthylene	16.07	152	18731	0.14	ng	100
11) Acenaphthene	16.49	154	3361	0.15	ng	96
12) Fluorene	17.74	166	3644	0.15	ng	100
14) Hexachlorobenzene	18.99	284	748	0.16	ng	97
15) Pentachlorophenol	19.44	266	49	0.24	ng	# 80
16) Phenanthrene	19.81	178	5826	0.16	ng	97
17) Anthracene	19.91	178	4556	0.15	ng	99
18) Fluoranthene	21.72	202	4253	0.14	ng	99
20) Pyrene	22.03	202	4632	0.15	ng	99
22) Benzo(a)anthracene	23.64	228	12933	0.15	ng	98
23) Chrysene	23.68	228	20210	0.17	ng	96
24) Indeno(1,2,3-cd)pyrene	26.73	276	3268	0.39	ng	# 89
26) Benzo(b)fluoranthene	24.91	252	826	0.42	ng	# 85
27) Benzo(k)fluoranthene	24.94	252	2097	0.10	ng	# 91
28) Benzo(a)pyrene	25.27	252	952	0.37	ng	# 87
29) Dibenzo(a,h)anthracene	26.77	278	478	0.39	ng	# 67
30) Benzo(g,h,i)perylene	27.15	276	4487	0.28	ng	# 81

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
Data File : BE089660.D
Acq On : 24 Feb 2015 4:01
Operator : TP/JJ
Sample : MDL-04-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 14 Sample Multiplier: 1

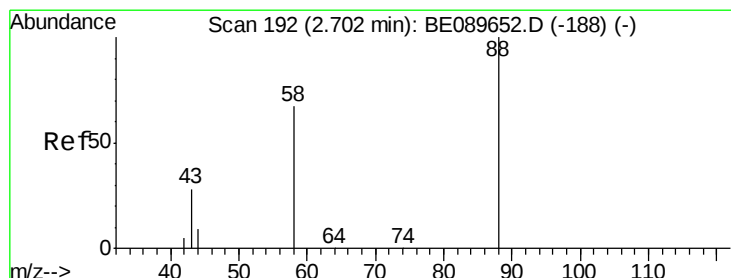
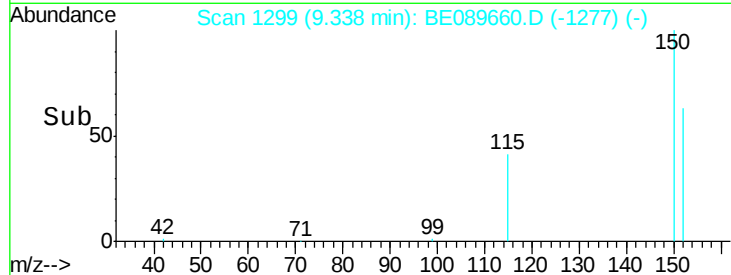
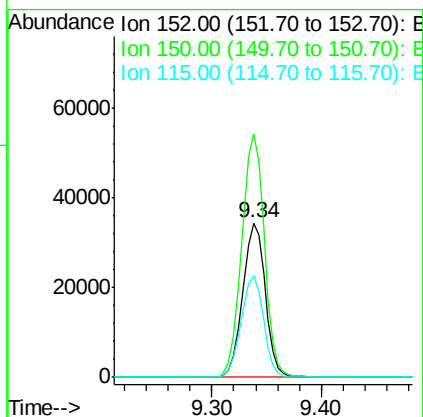
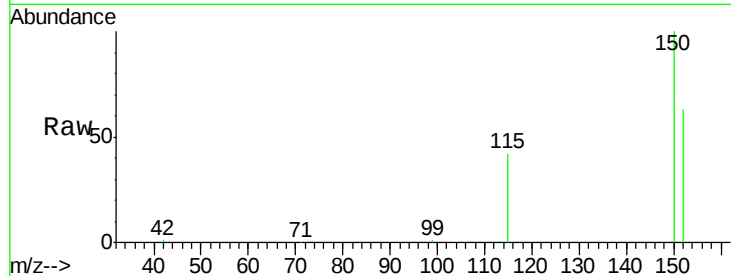
Quant Time: Feb 24 05:40:44 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:46:57 2015
Response via : Initial Calibration





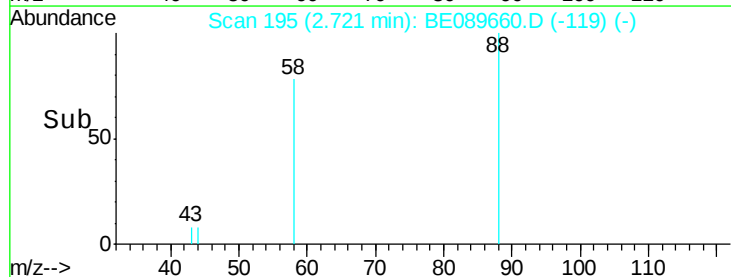
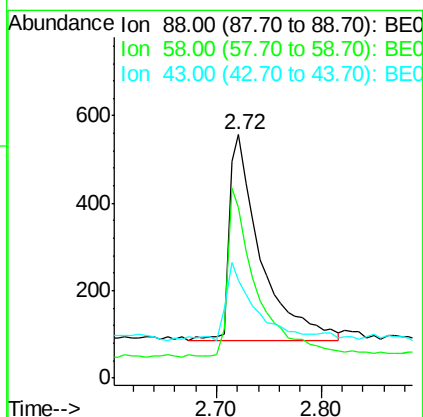
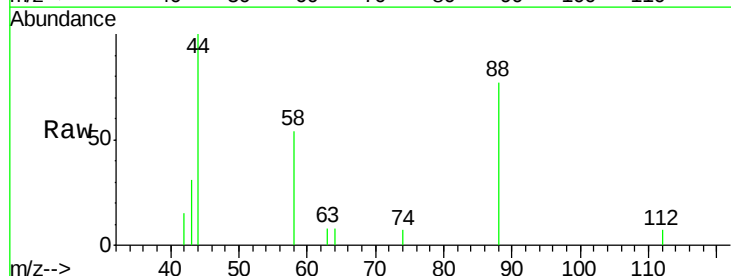
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.34 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

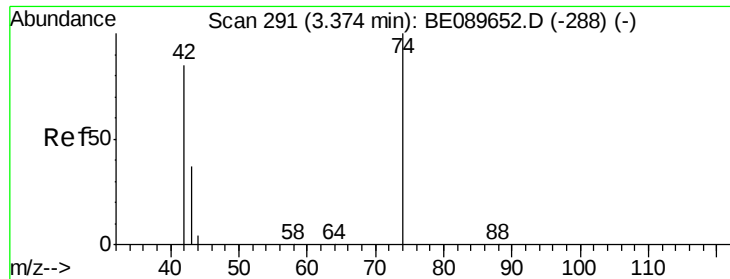
Tgt Ion: 152 Resp: 48967
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.0 190.6
 115 65.4 52.4 78.6



#2
 1,4-Dioxane
 Concen: 0.15 ng
 RT: 2.72 min Scan# 195
 Delta R.T. 0.02 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion: 88 Resp: 966
 Ion Ratio Lower Upper
 88 100
 58 78.4 61.8 92.6
 43 0.0 26.4 39.6#

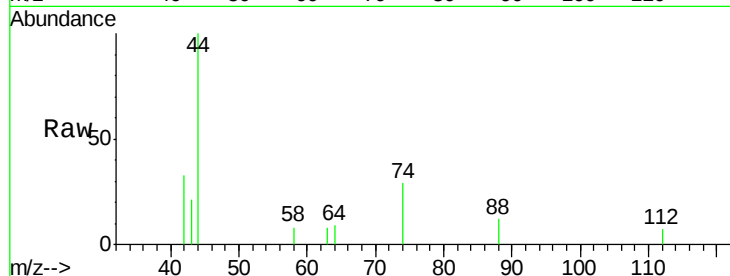




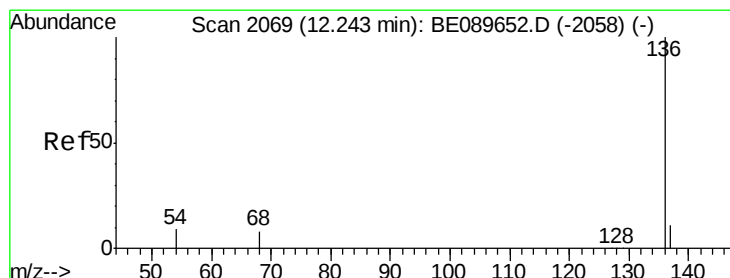
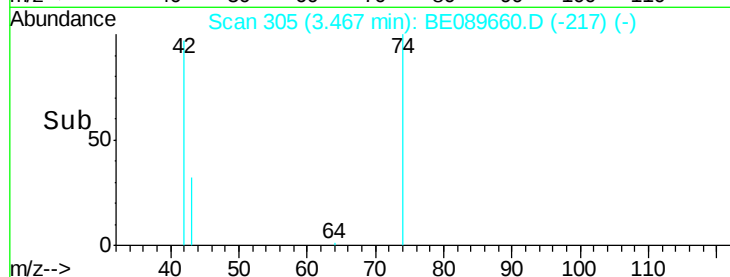
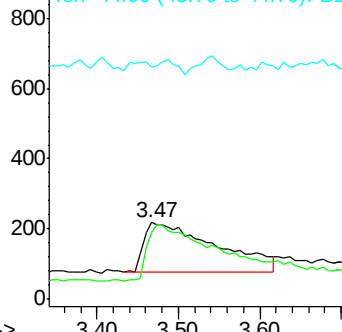
#3

n-Nitrosodimethylamine
 Concen: 0.15 ng
 RT: 3.47 min Scan# 305
 Delta R.T. 0.09 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion: 42 Resp: 863
 Ion Ratio Lower Upper
 42 100
 74 111.6 92.5 138.7
 44 5.2 4.9 7.3



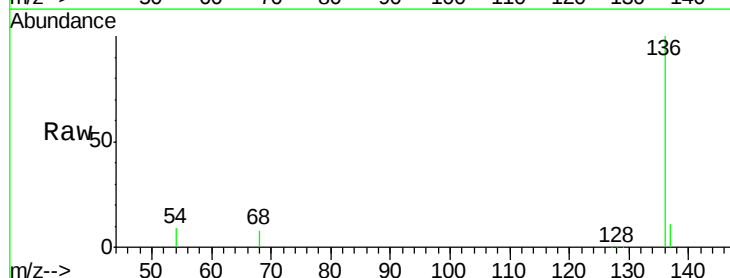
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



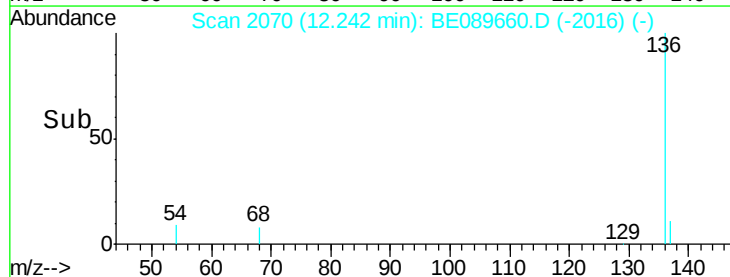
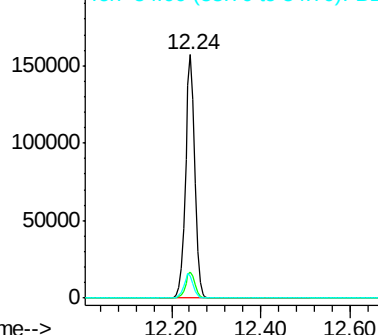
#4

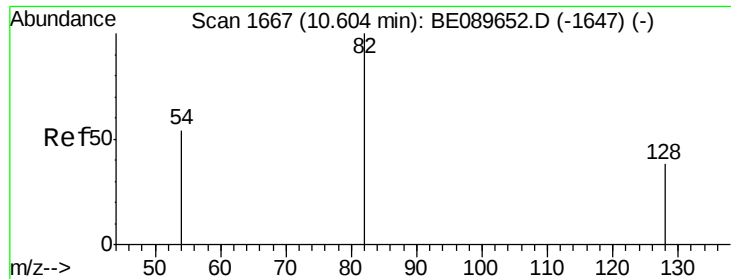
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion: 136 Resp: 225074
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 9.3 7.5 11.3



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 8.14 ng

RT: 10.60 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

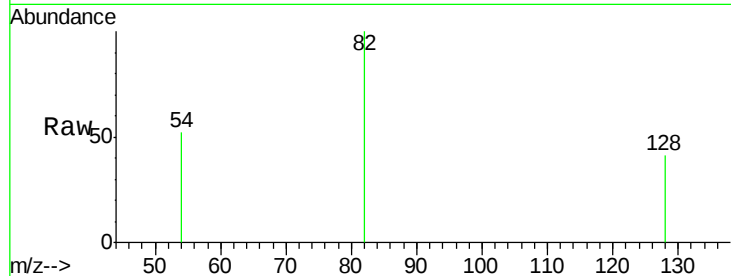
Tgt Ion: 82 Resp: 110504

Ion Ratio Lower Upper

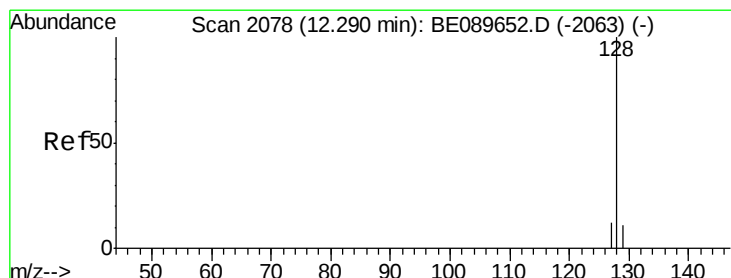
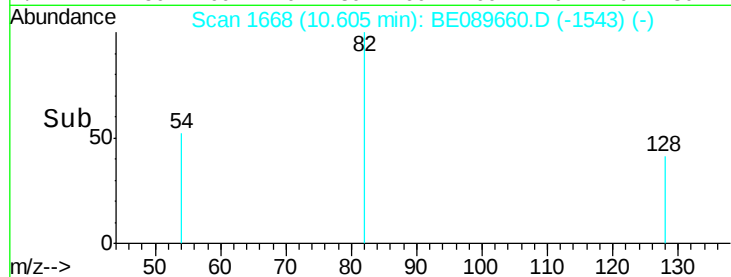
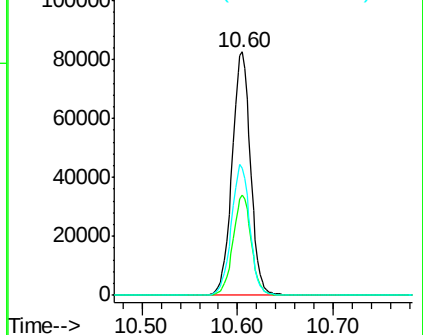
82 100

128 41.3 31.0 46.4

54 52.5 43.8 65.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.15 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

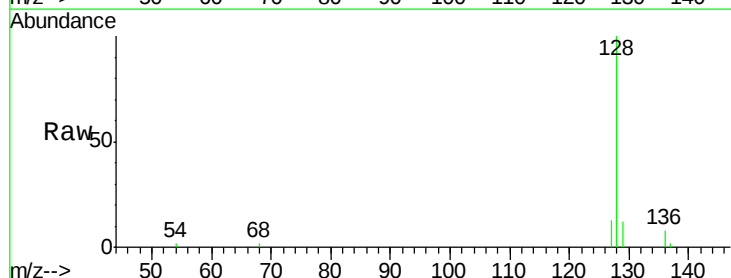
Tgt Ion: 128 Resp: 6970

Ion Ratio Lower Upper

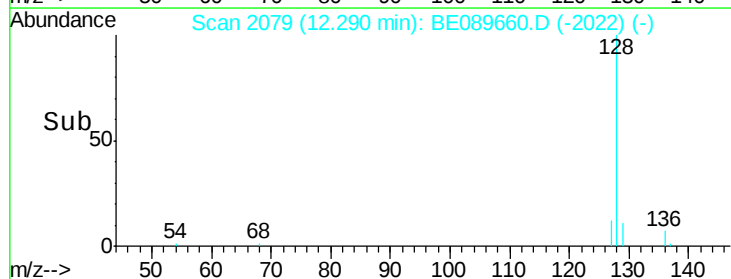
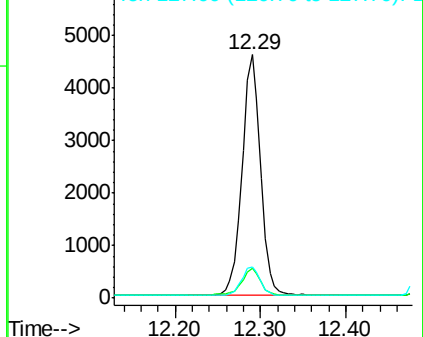
128 100

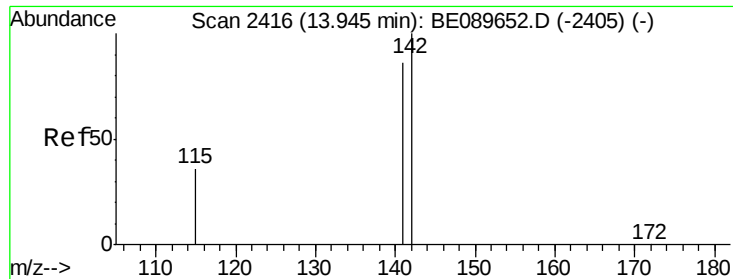
129 12.2 8.8 13.2

127 12.6 9.8 14.6



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: 0.15 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

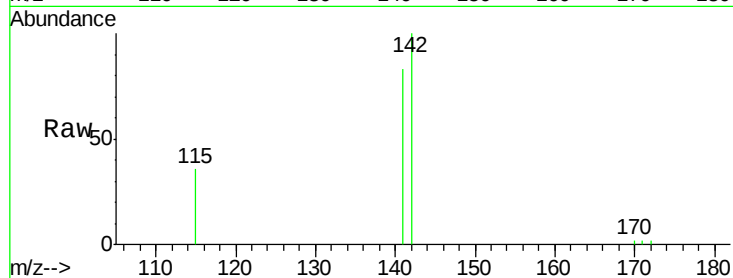
Tgt Ion:142 Resp: 3819

Ion Ratio Lower Upper

142 100

141 82.8 68.6 103.0

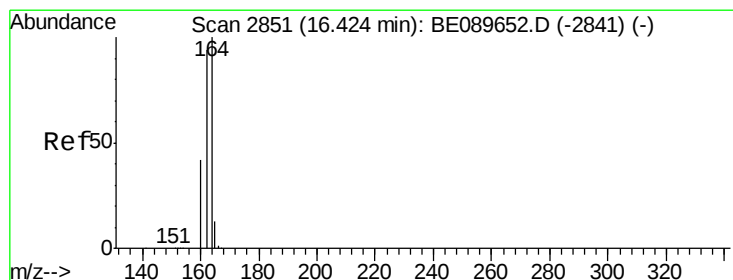
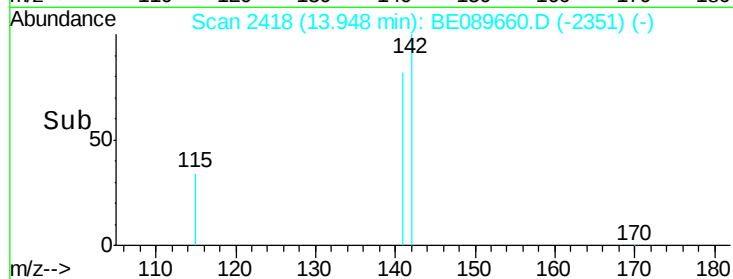
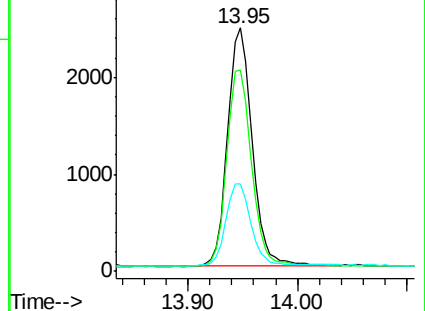
115 35.8 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

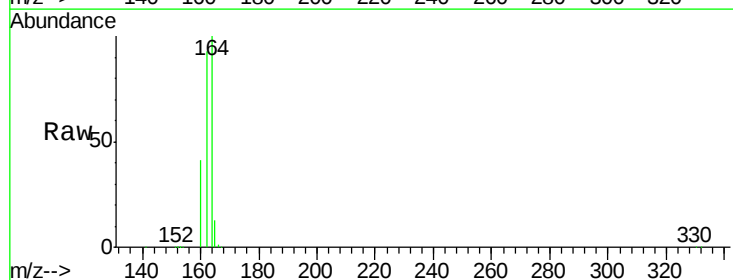
Tgt Ion:164 Resp: 93940

Ion Ratio Lower Upper

164 100

162 92.9 75.4 113.2

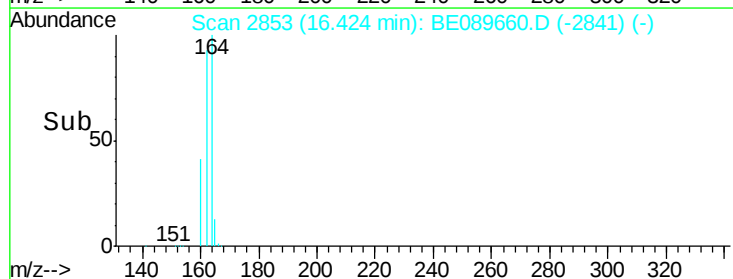
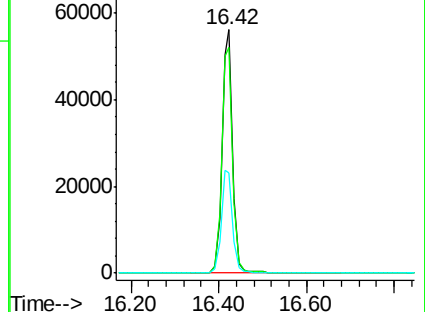
160 41.3 33.7 50.5

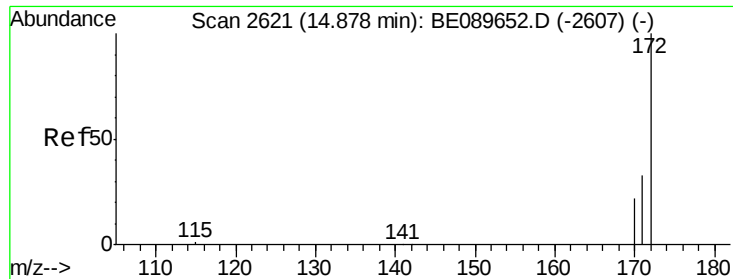


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

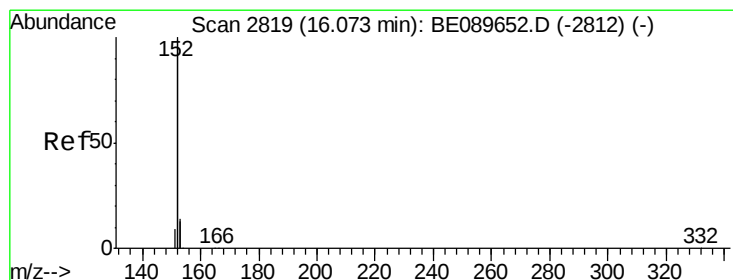
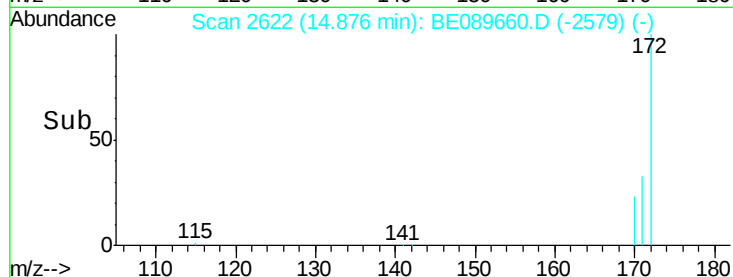
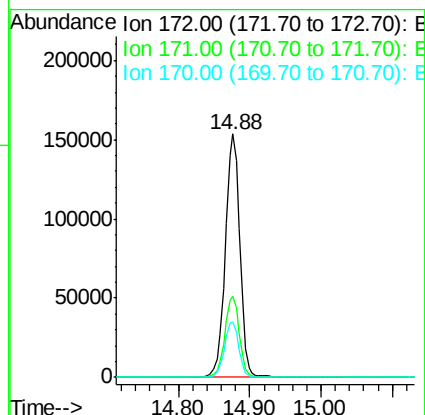
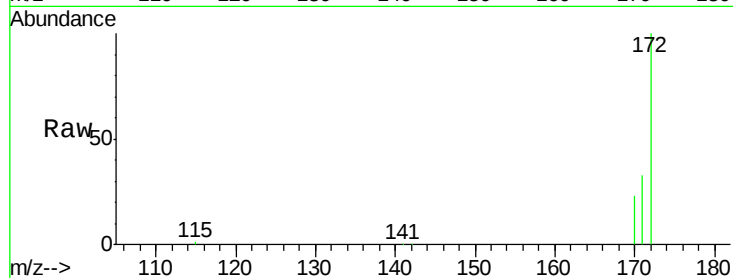
Ion 160.00 (159.70 to 160.70): E





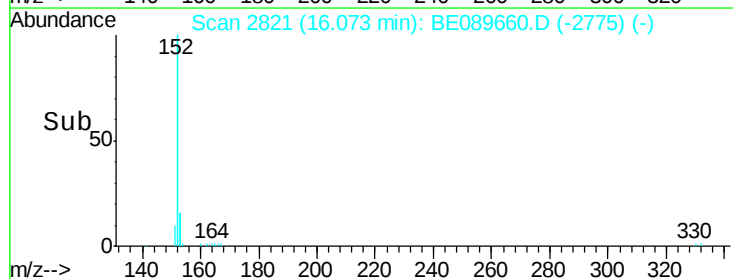
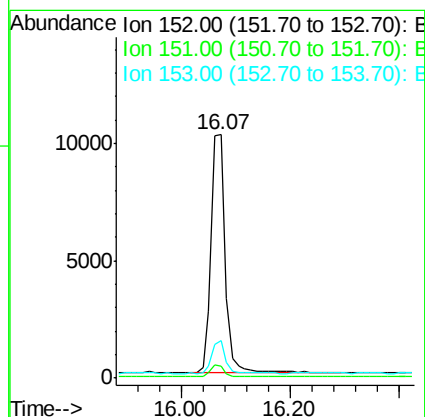
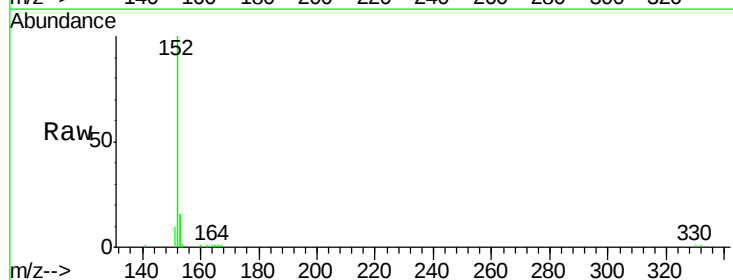
#9
2-Fluorobiphenyl
Concen: 10.43 ng
RT: 14.88 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

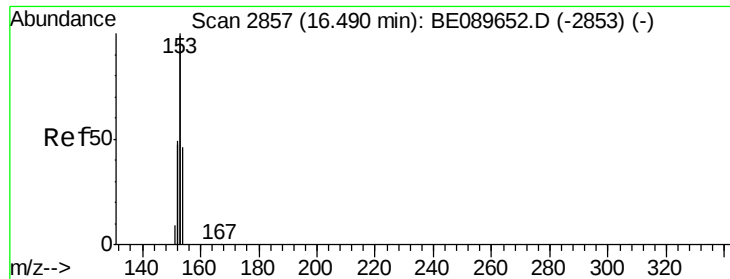
Tgt Ion:172 Resp: 220256
Ion Ratio Lower Upper
172 100
171 33.4 26.2 39.4
170 22.8 17.7 26.5



#10
Acenaphthylene
Concen: 0.14 ng
RT: 16.07 min Scan# 2821
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:152 Resp: 18731
Ion Ratio Lower Upper
152 100
151 4.7 3.8 5.6
153 13.0 10.4 15.6





#11

Acenaphthene

Concen: 0.15 ng

RT: 16.49 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

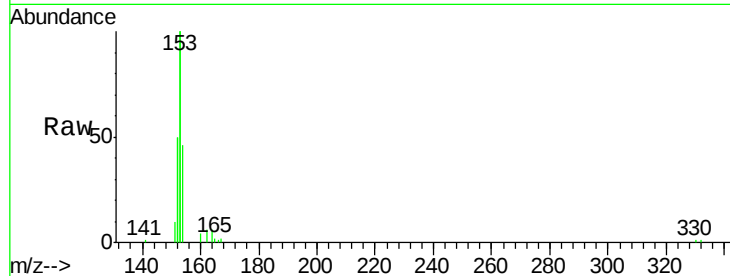
Tgt Ion:154 Resp: 3361

Ion Ratio Lower Upper

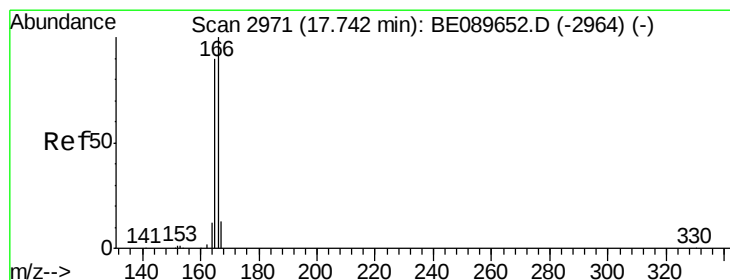
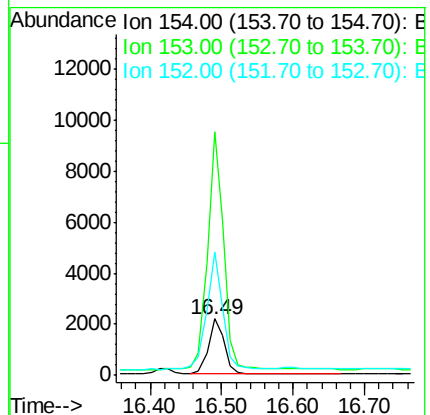
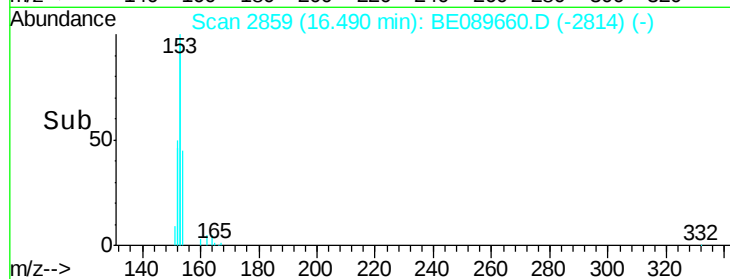
154 100

153 438.1 343.0 514.4

152 215.6 165.8 248.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.15 ng

RT: 17.74 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

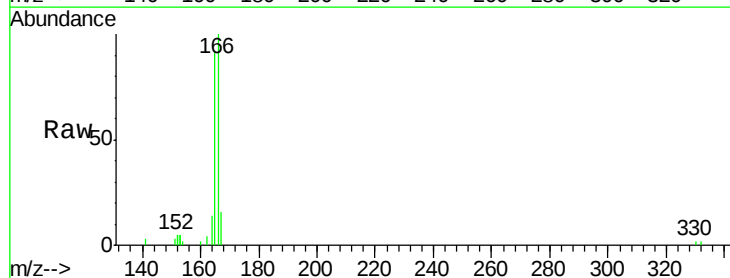
Tgt Ion:166 Resp: 3644

Ion Ratio Lower Upper

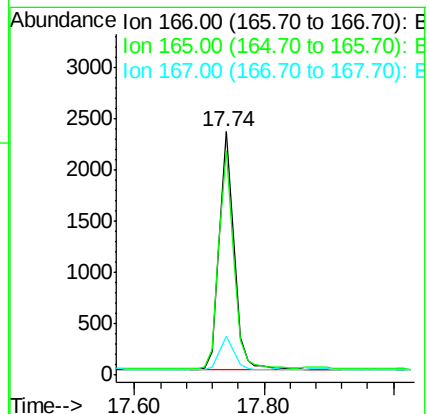
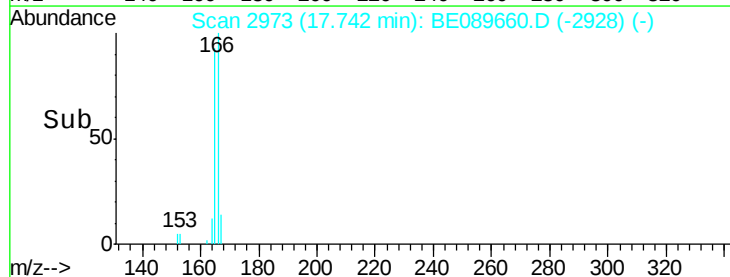
166 100

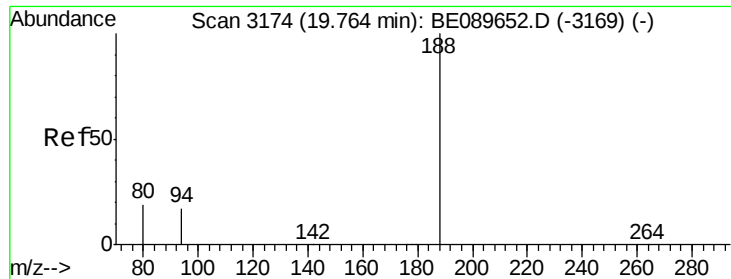
165 91.8 73.6 110.4

167 14.1 10.5 15.7



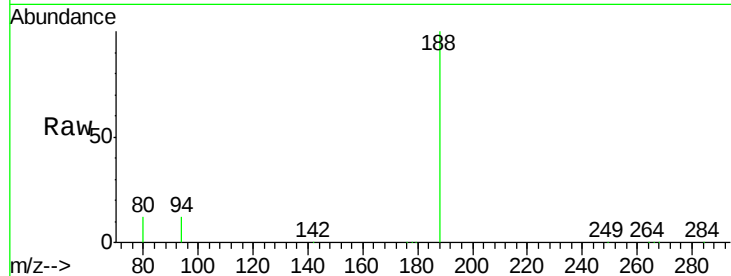
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



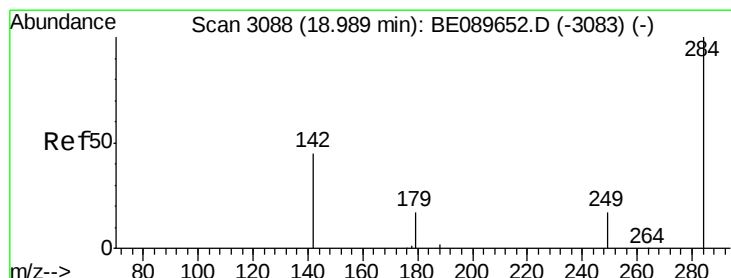
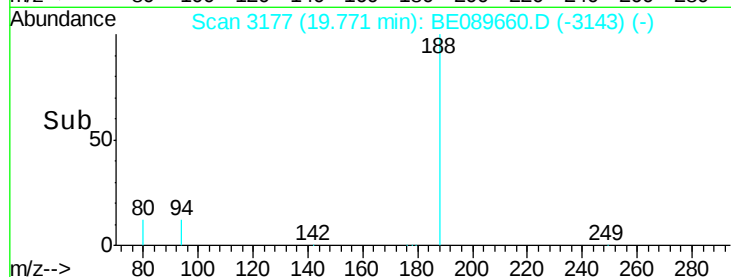
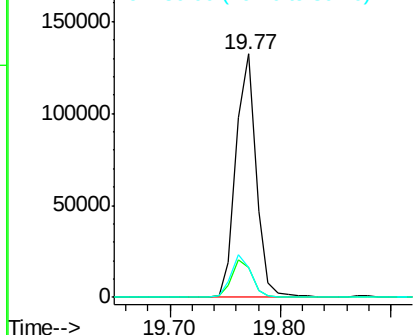


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:188 Resp: 168333
Ion Ratio Lower Upper
188 100
94 12.2 13.8 20.8#
80 12.5 15.0 22.6#

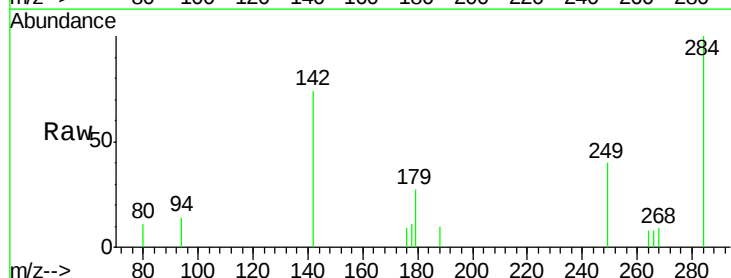


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

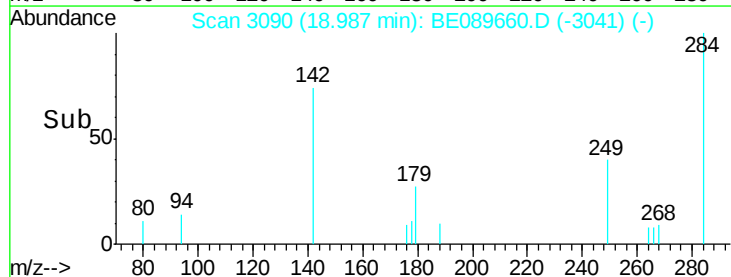
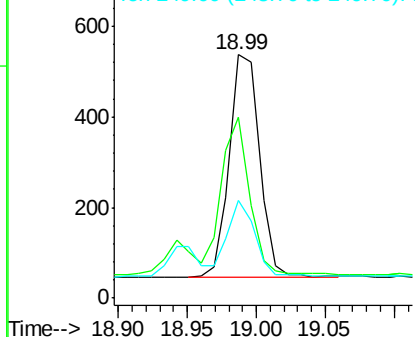


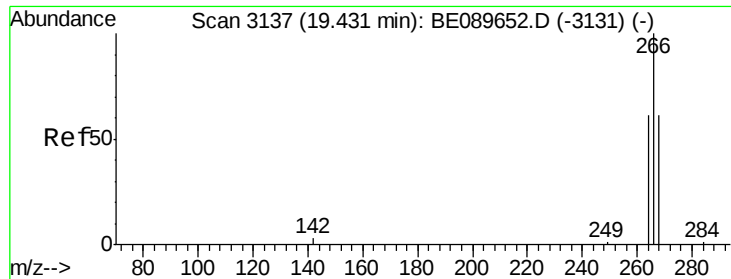
#14
Hexachlorobenzene
Concen: 0.16 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion:284 Resp: 748
Ion Ratio Lower Upper
284 100
142 66.2 55.0 82.6
249 30.3 26.1 39.1



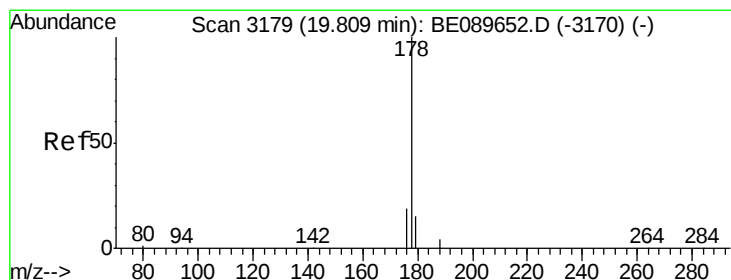
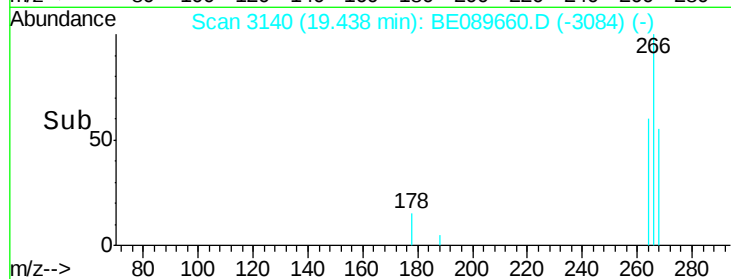
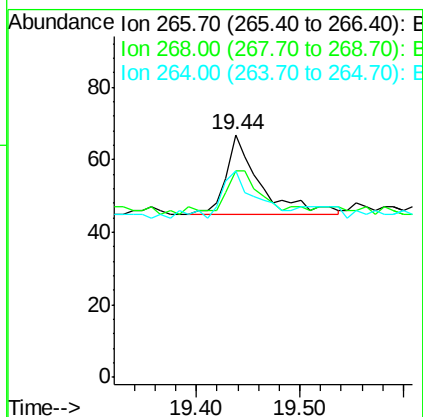
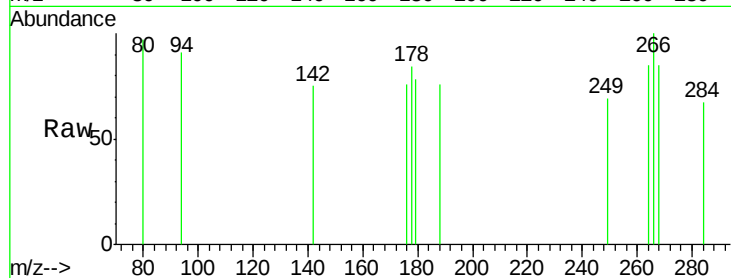
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





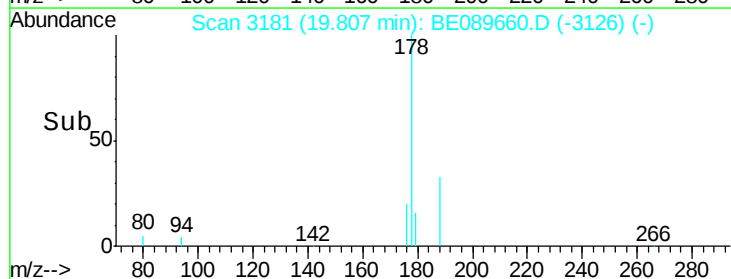
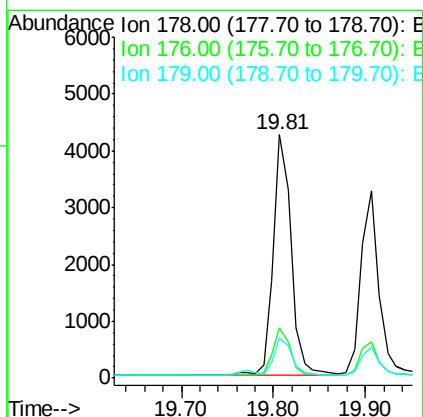
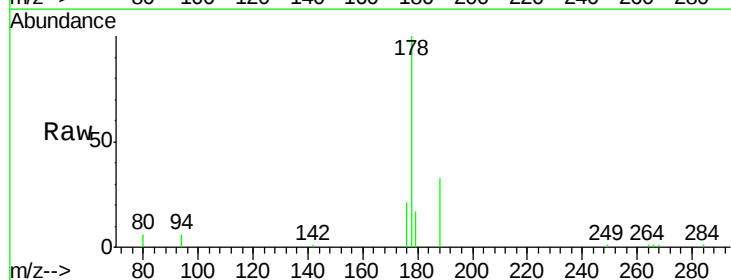
#15
 Pentachlorophenol
 Concen: 0.24 ng
 RT: 19.44 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

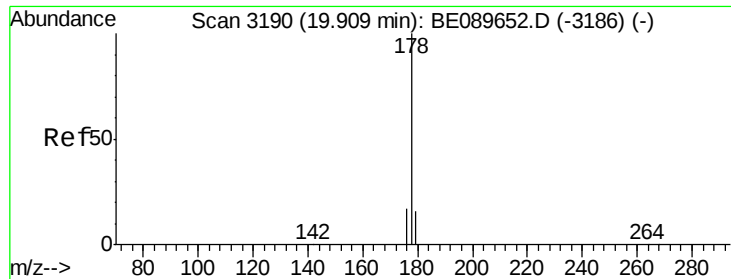
Tgt Ion: 266 Resp: 49
 Ion Ratio Lower Upper
 266 100
 268 85.1 54.7 82.1#
 264 85.1 55.4 83.0#



#16
 Phenanthrene
 Concen: 0.16 ng
 RT: 19.81 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

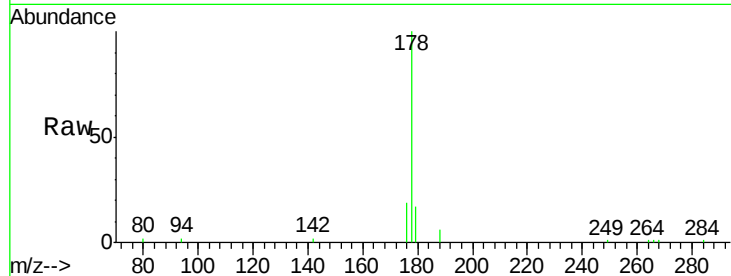
Tgt Ion: 178 Resp: 5826
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 17.6 12.3 18.5



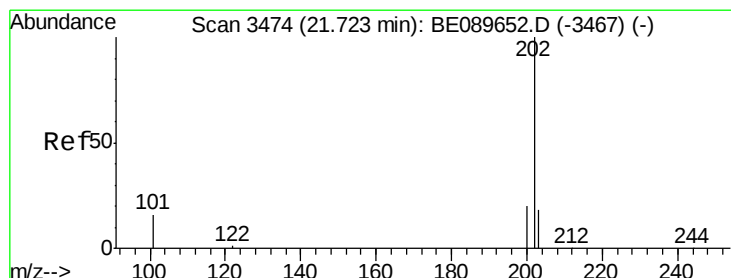
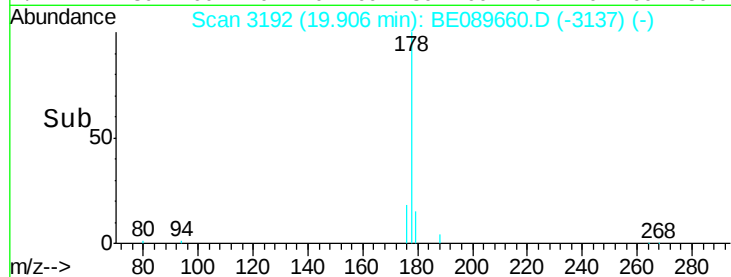
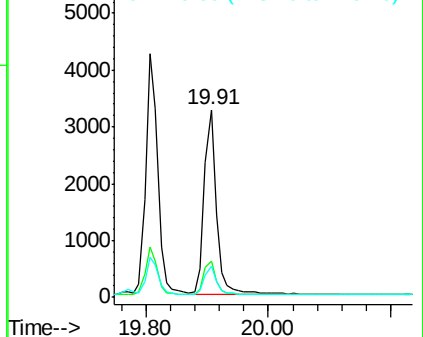


#17
 Anthracene
 Concen: 0.15 ng
 RT: 19.91 min Scan# 3192
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion:178 Resp: 4556
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 14.8 12.1 18.1

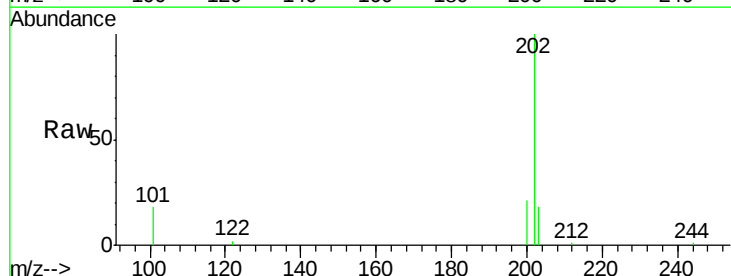


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

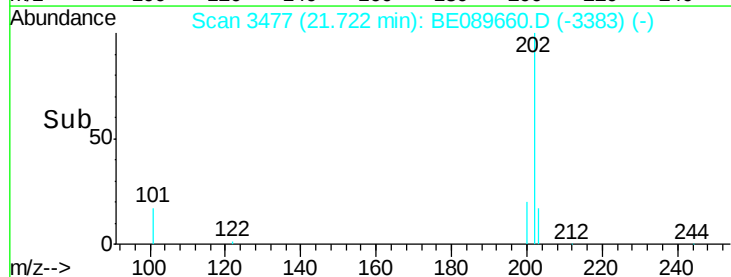
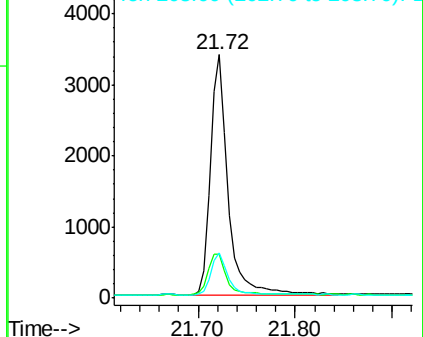


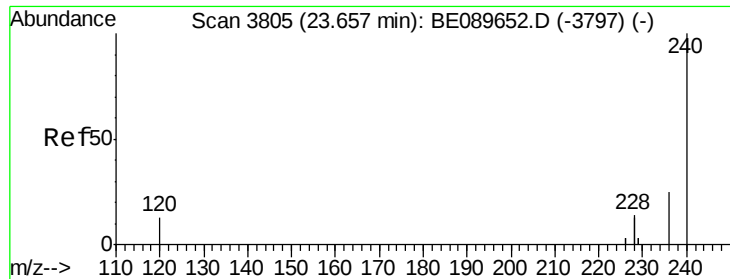
#18
 Fluoranthene
 Concen: 0.14 ng
 RT: 21.72 min Scan# 3477
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion:202 Resp: 4253
 Ion Ratio Lower Upper
 202 100
 101 17.9 14.9 22.3
 203 16.9 13.7 20.5



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

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3808

Delta R.T. 0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

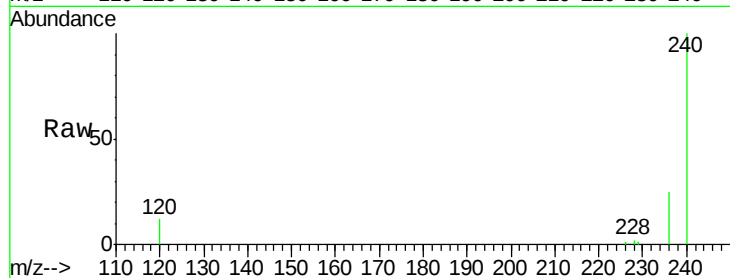
Tgt Ion: 240 Resp: 125451

Ion Ratio Lower Upper

240 100

120 11.8 10.6 15.8

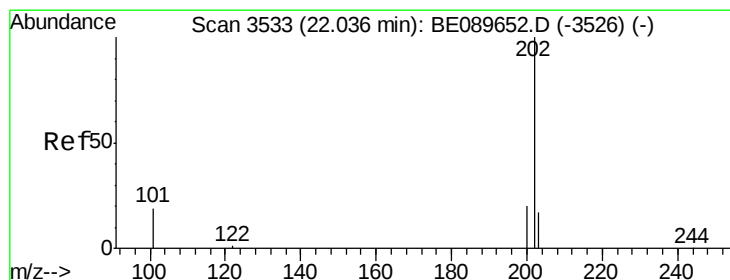
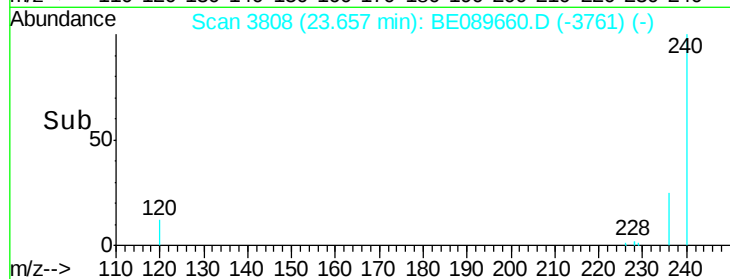
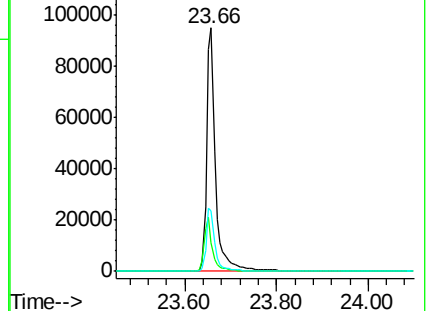
236 25.0 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.15 ng

RT: 22.03 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

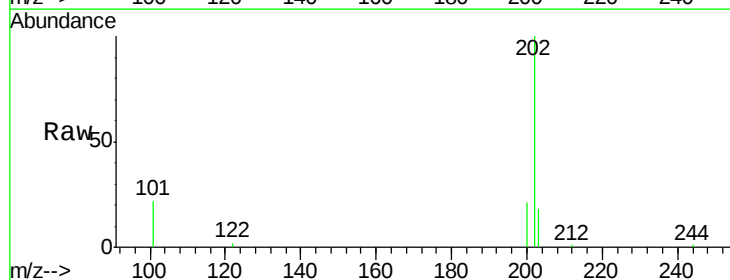
Tgt Ion: 202 Resp: 4632

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

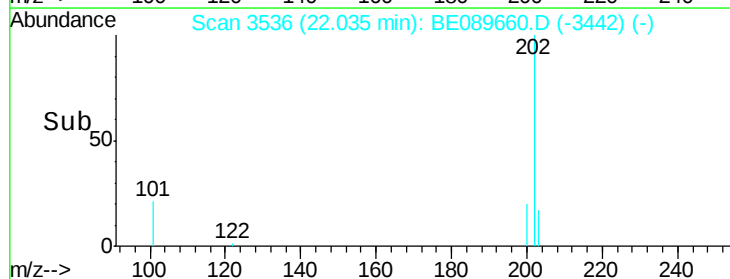
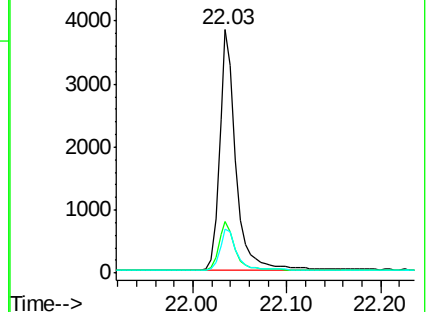
203 17.7 13.8 20.6

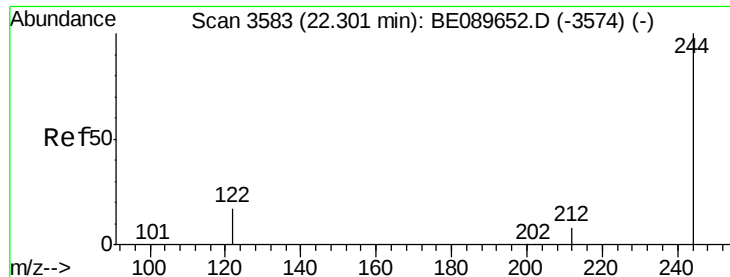


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

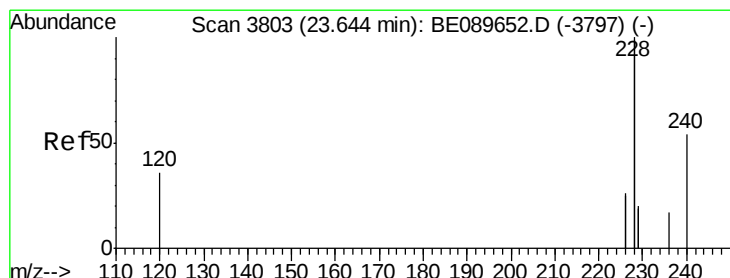
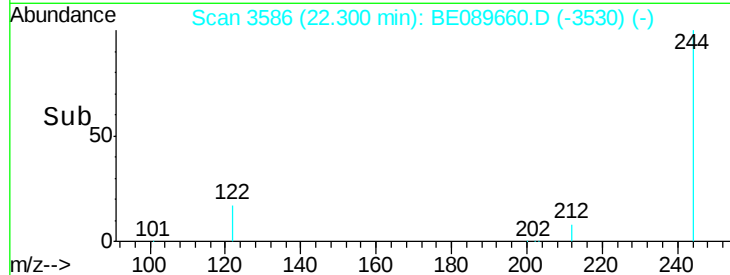
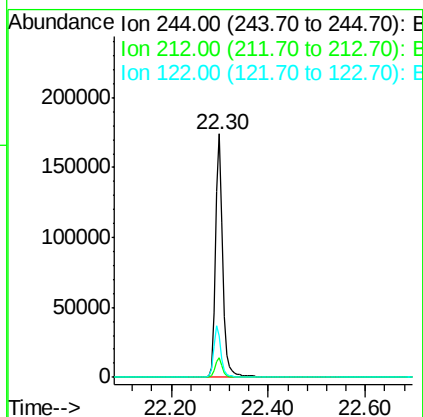
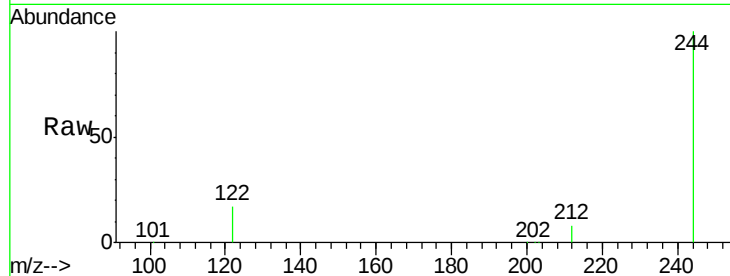
Ion 203.00 (202.70 to 203.70): E





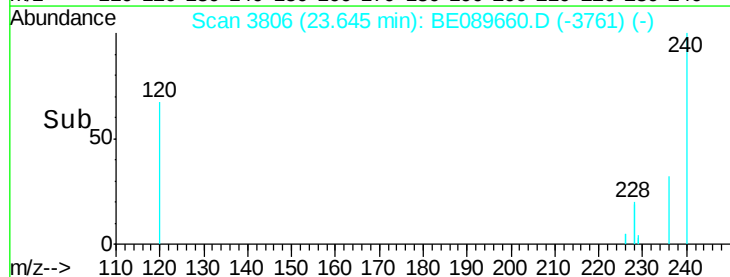
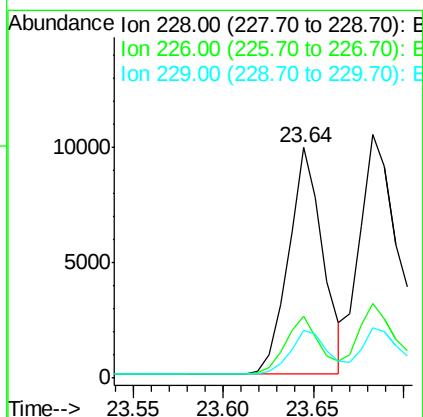
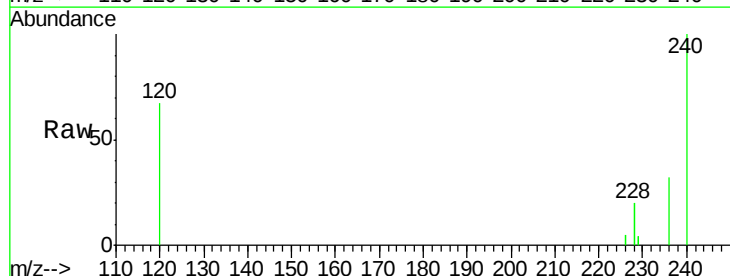
#21
 Terphenyl-d14
 Concen: 9.99 ng
 RT: 22.30 min Scan# 3586
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

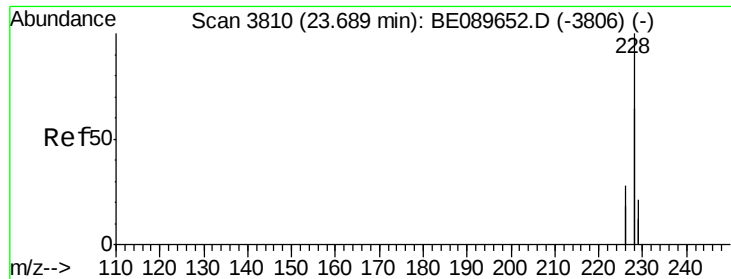
Tgt Ion: 244 Resp: 178907
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 10.0
 122 17.2 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.64 min Scan# 3806
 Delta R.T. 0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

Tgt Ion: 228 Resp: 12933
 Ion Ratio Lower Upper
 228 100
 226 27.0 20.9 31.3
 229 20.6 15.8 23.6





#23

Chrysene

Concen: 0.17 ng

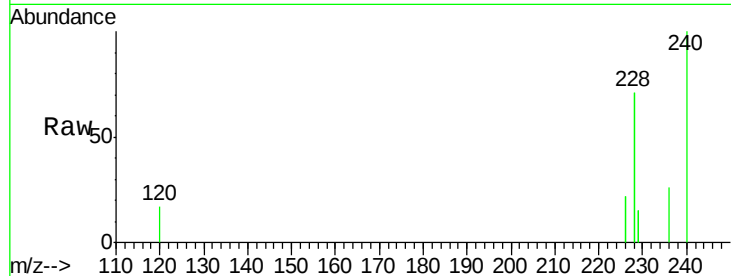
RT: 23.68 min Scan# 3812

Delta R.T. -0.01 min

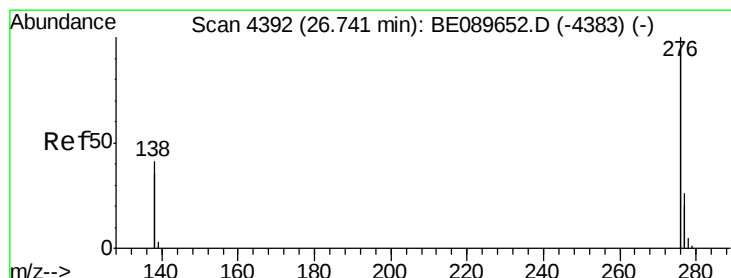
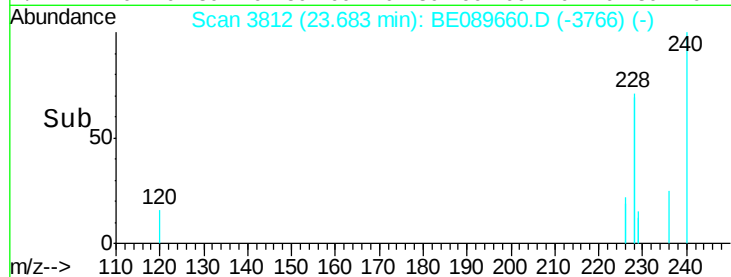
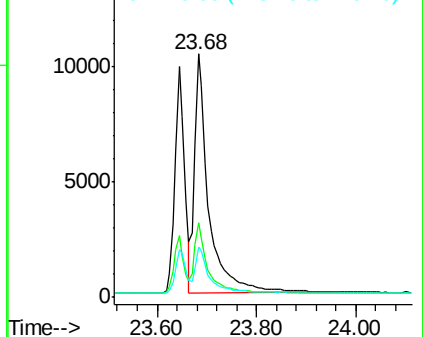
Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

Tgt Ion:	228	Resp:	20210
Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.0	33.0
229	20.6	16.6	24.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng

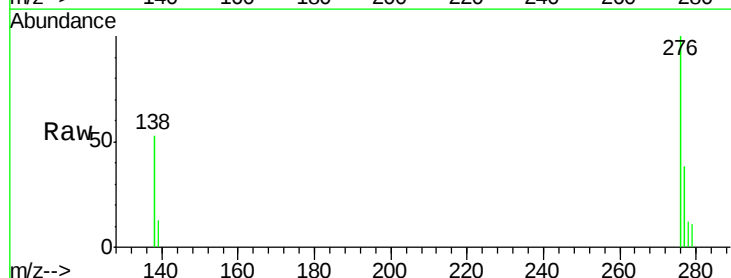
RT: 26.73 min Scan# 4394

Delta R.T. -0.01 min

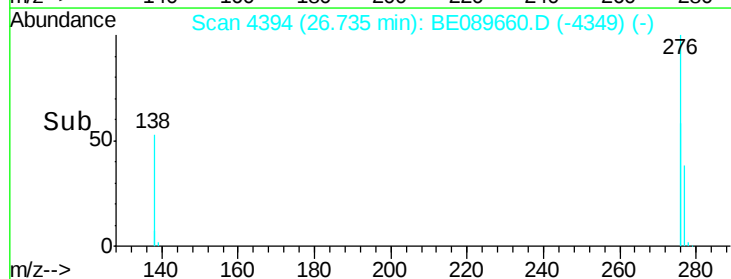
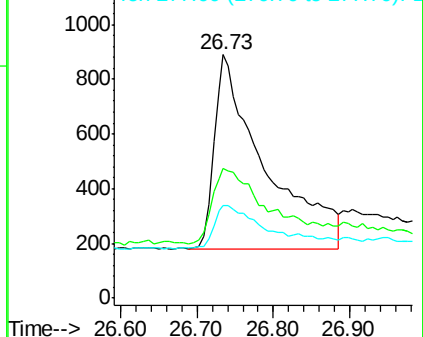
Lab File: BE089660.D

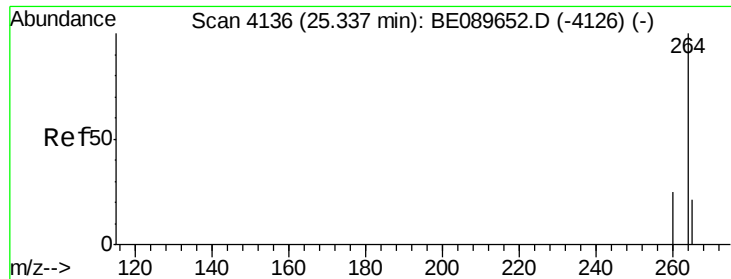
Acq: 24 Feb 2015 4:01

Tgt Ion:	276	Resp:	3268
Ion	Ratio	Lower	Upper
276	100		
138	40.6	36.2	54.4
277	20.2	5.4	8.2#



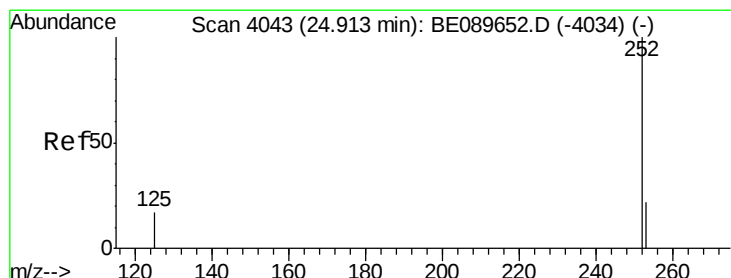
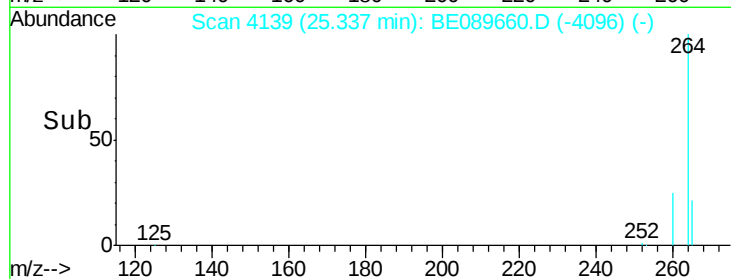
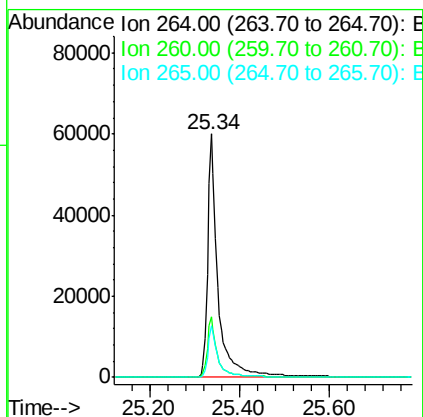
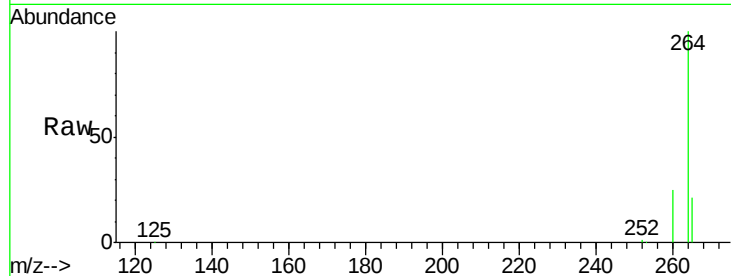
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





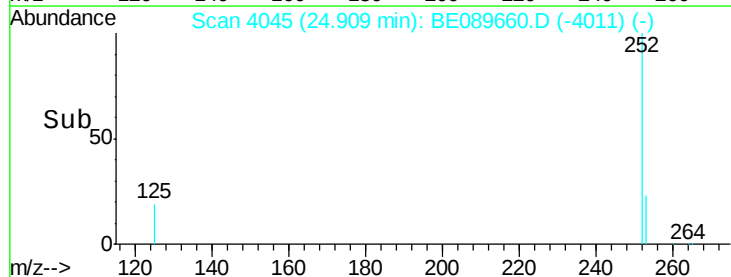
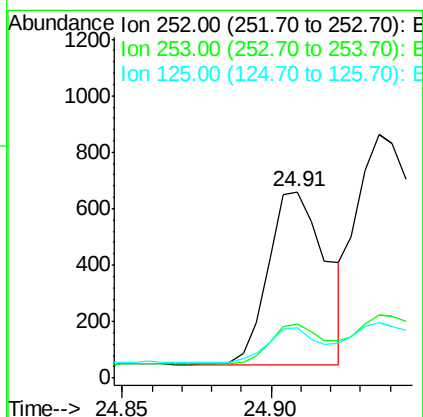
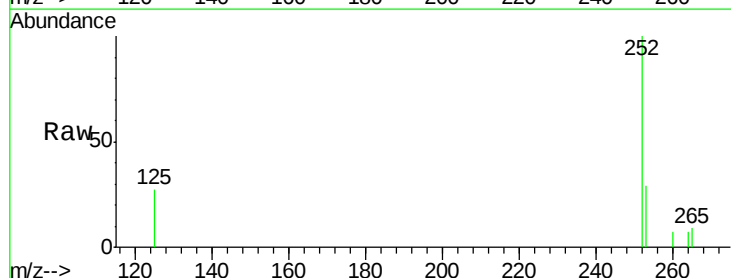
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

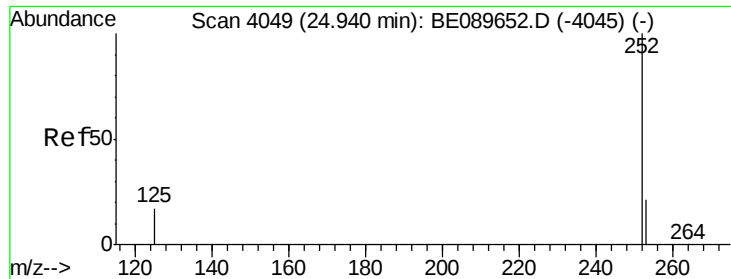
Tgt Ion: 264 Resp: 96318
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.0 30.0
 265 21.4 16.8 25.2



#26
 Benzo(b)fluoranthene
 Concen: 0.42 ng
 RT: 24.91 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BE089660.D
 Acq: 24 Feb 2015 4:01

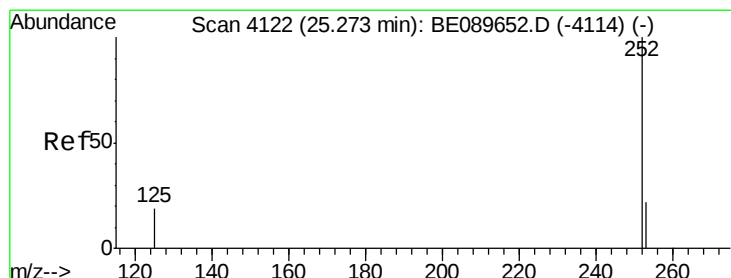
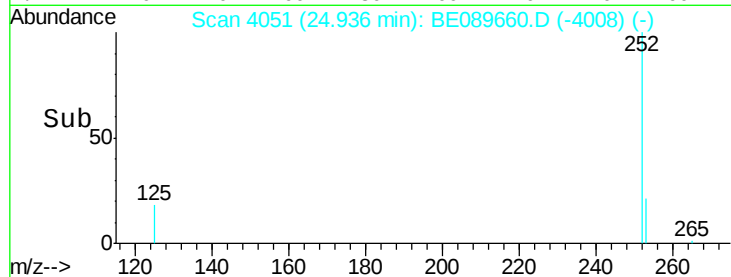
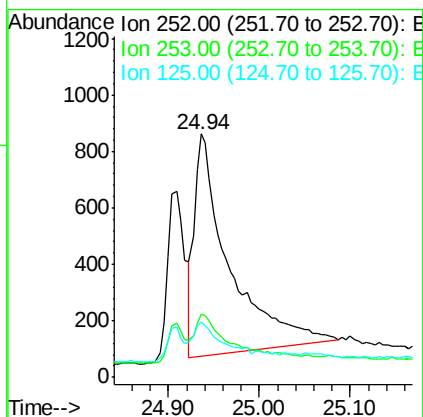
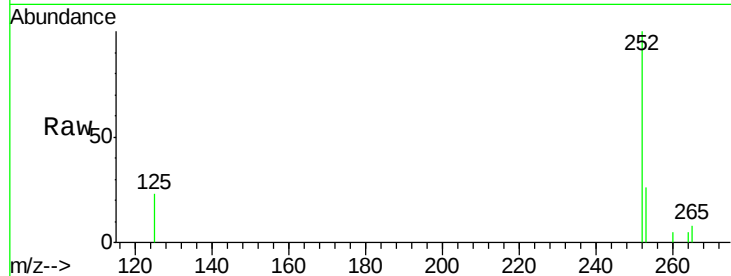
Tgt Ion: 252 Resp: 826
 Ion Ratio Lower Upper
 252 100
 253 28.8 18.3 27.5#
 125 26.7 14.6 22.0#





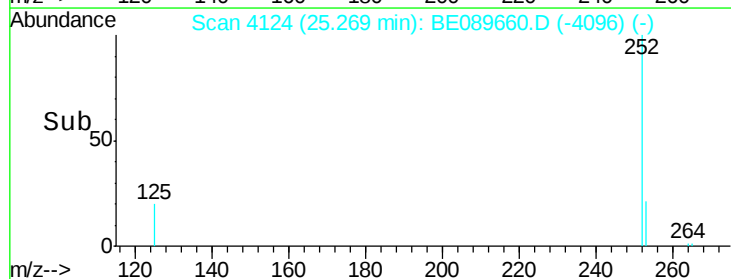
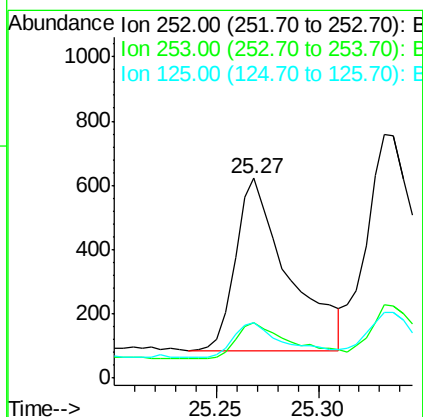
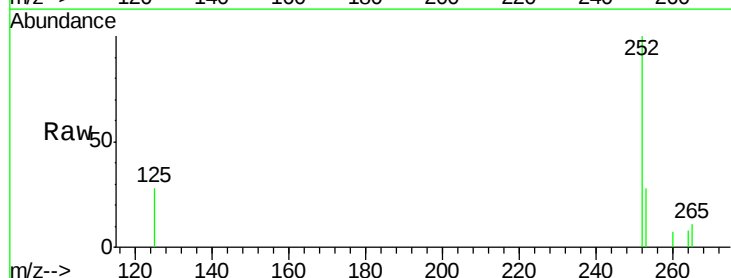
#27
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 24.94 min Scan# 4051
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

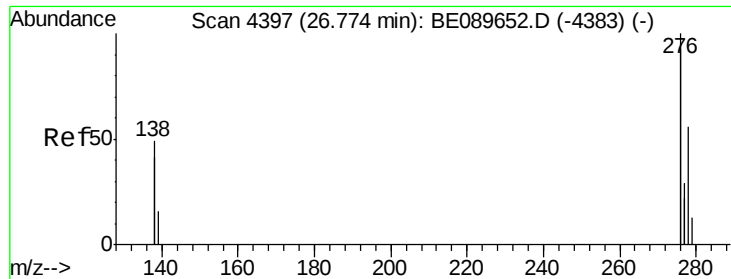
Tgt Ion: 252 Resp: 2097
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.8
125 23.0 14.3 21.5#



#28
Benzo(a)pyrene
Concen: 0.37 ng
RT: 25.27 min Scan# 4124
Delta R.T. -0.00 min
Lab File: BE089660.D
Acq: 24 Feb 2015 4:01

Tgt Ion: 252 Resp: 952
Ion Ratio Lower Upper
252 100
253 27.5 18.4 27.6
125 27.7 15.9 23.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.39 ng

RT: 26.77 min Scan# 4399

Delta R.T. -0.01 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

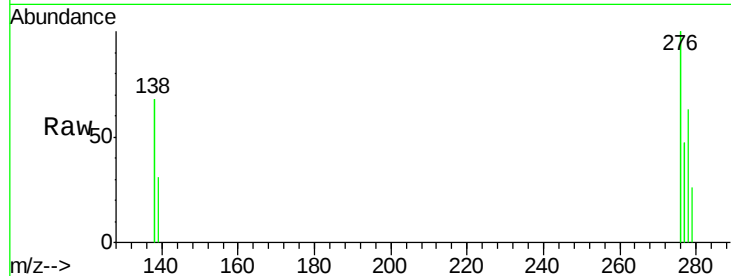
Tgt Ion: 278 Resp: 478

Ion Ratio Lower Upper

278 100

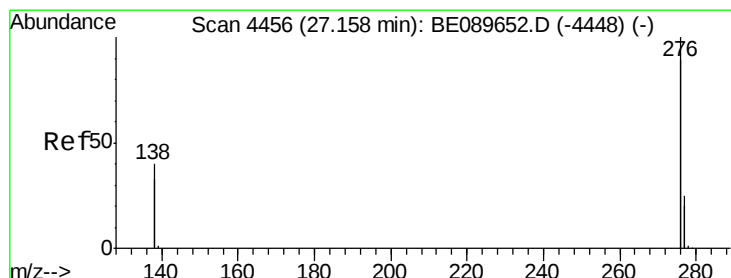
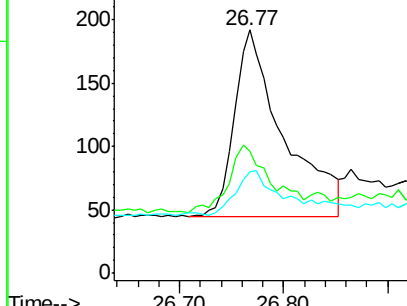
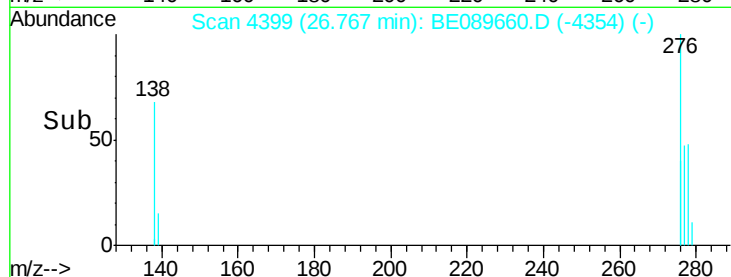
139 50.0 25.4 38.2#

279 41.7 20.0 30.0#



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

26.77



#30

Benzo(g,h,i)perylene

Concen: 0.28 ng

RT: 27.15 min Scan# 4458

Delta R.T. -0.01 min

Lab File: BE089660.D

Acq: 24 Feb 2015 4:01

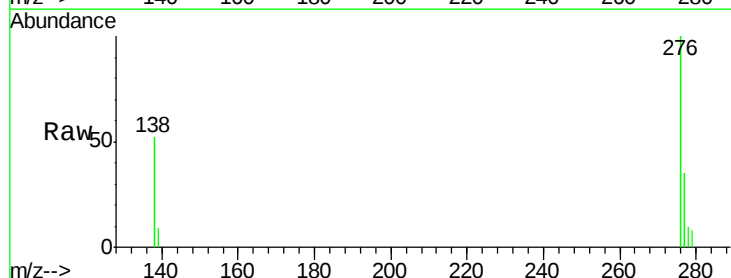
Tgt Ion: 276 Resp: 4487

Ion Ratio Lower Upper

276 100

277 35.2 20.2 30.2#

138 51.8 32.4 48.6#



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

27.15

