

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089661.D
 Acq On : 24 Feb 2015 4:40
 Operator : TP/JJ
 Sample : MDL-05-S
 Misc : MDL-SOIL-0.2/0.4
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 24 05:40:58 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	44523	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	185161	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	80793	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	146029	5.00	ng	0.00
19) Chrysene-d12	23.65	240	113250	5.00	ng	0.00
25) Perylene-d12	25.34	264	86697	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	102783	9.19	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	174596	9.60	ng	0.00
21) Terphenyl-d14	22.30	244	162280	10.03	ng	0.00

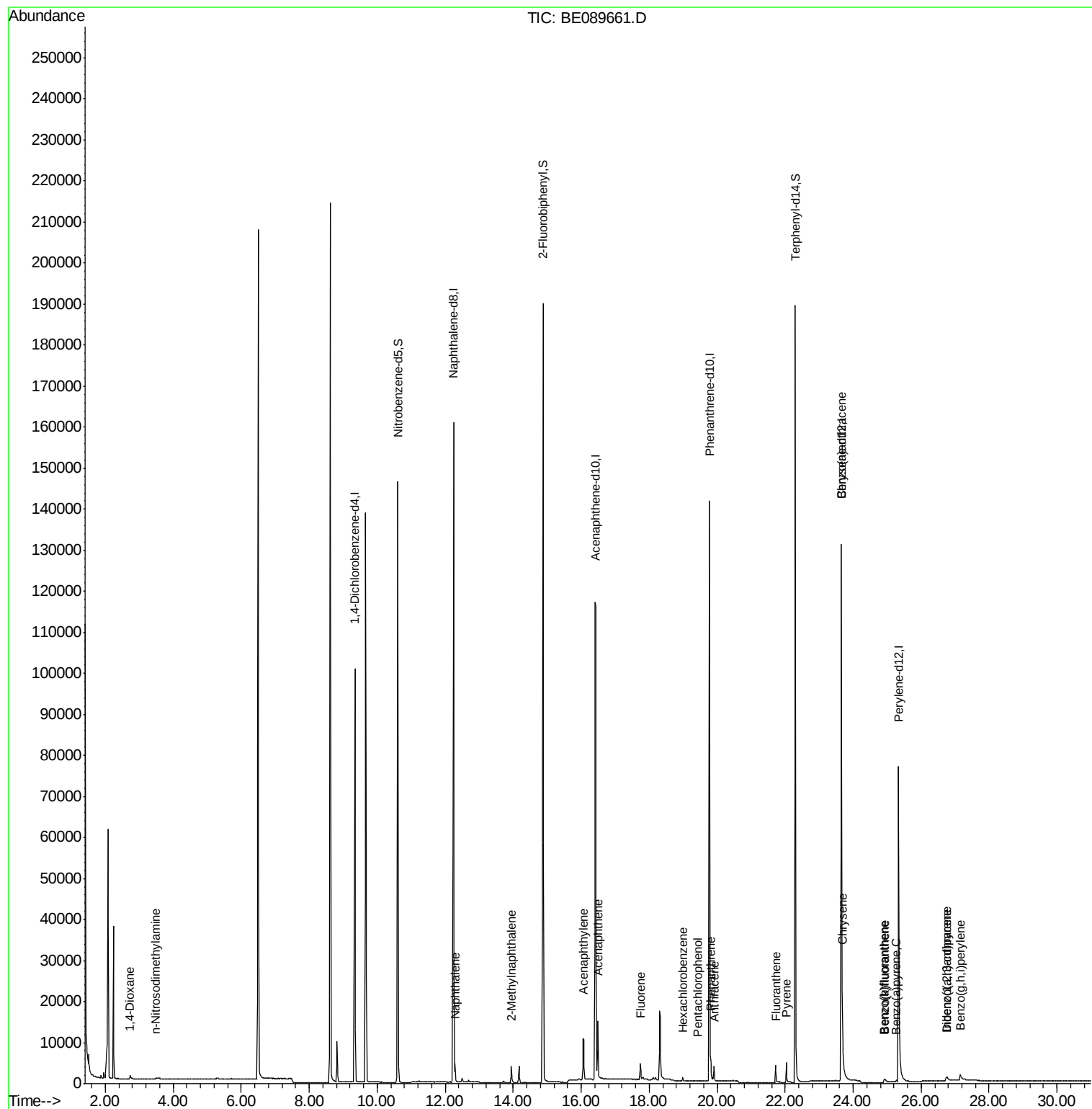
Target Compounds

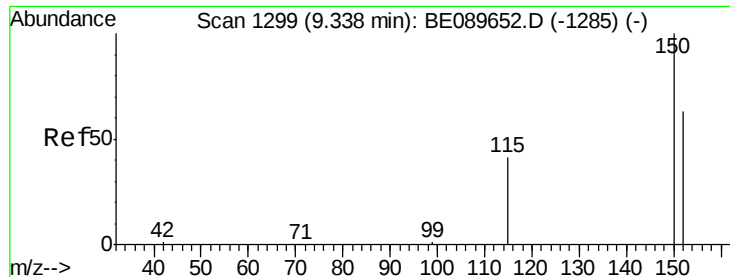
						Qvalue
2) 1,4-Dioxane	2.73	88	766	0.13	ng	# 75
3) n-Nitrosodimethylamine	3.49	42	502	0.12	ng	# 48
6) Naphthalene	12.29	128	5468	0.14	ng	97
7) 2-Methylnaphthalene	13.95	142	2845	0.13	ng	97
10) Acenaphthylene	16.06	152	15542	0.13	ng	99
11) Acenaphthene	16.49	154	2697	0.14	ng	93
12) Fluorene	17.74	166	3006	0.14	ng	100
14) Hexachlorobenzene	18.99	284	618	0.16	ng	96
15) Pentachlorophenol	19.44	266	32	0.22	ng	# 75
16) Phenanthrene	19.81	178	4838	0.15	ng	97
17) Anthracene	19.91	178	3740	0.14	ng	99
18) Fluoranthene	21.72	202	3503	0.13	ng	99
20) Pyrene	22.03	202	3855	0.14	ng	100
22) Benzo(a)anthracene	23.64	228	11044	0.14	ng	98
23) Chrysene	23.68	228	17622	0.16	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	2523	0.39	ng	# 58
26) Benzo(b)fluoranthene	24.91	252	699	0.42	ng	# 85
27) Benzo(k)fluoranthene	24.94	252	1947	0.10	ng	# 89
28) Benzo(a)pyrene	25.27	252	790	0.37	ng	# 86
29) Dibenzo(a,h)anthracene	26.77	278	385	0.39	ng	# 60
30) Benzo(g,h,i)perylene	27.16	276	3804	0.27	ng	# 81

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

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Operator : TP/JJ
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Misc : MDL-SOIL-0.2/0.4
ALS Vial : 15 Sample Multiplier: 1

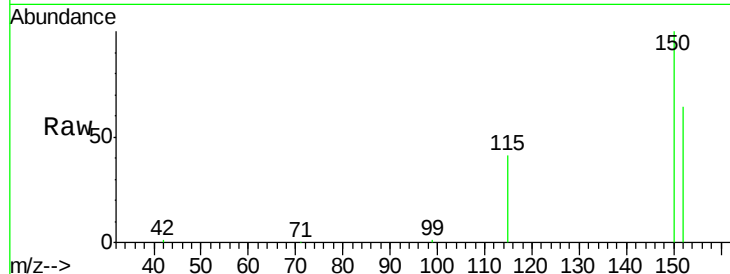
Quant Time: Feb 24 05:40:58 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:46:57 2015
Response via : Initial Calibration



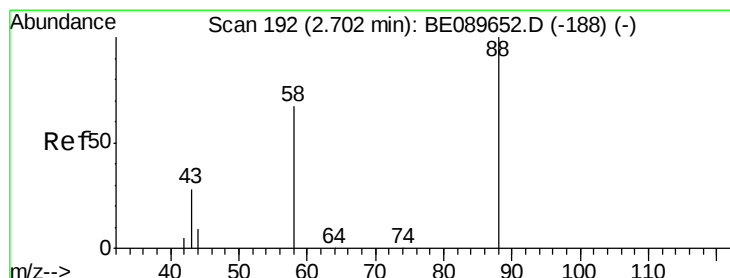
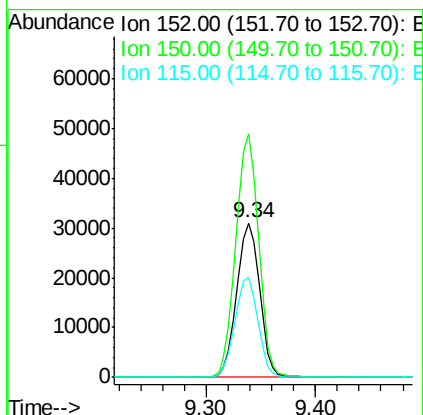
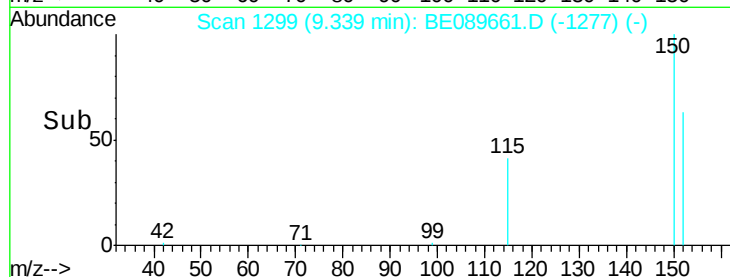


#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.34 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 152 Resp: 44523
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.0 190.6
 115 64.7 52.4 78.6

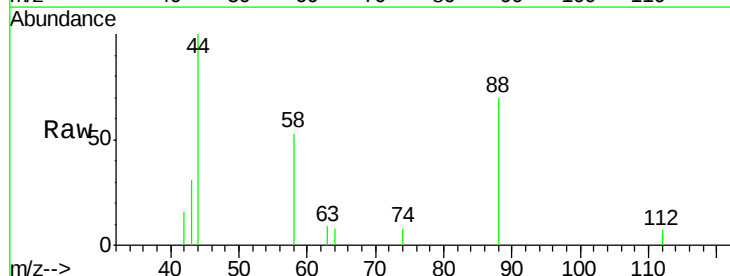


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

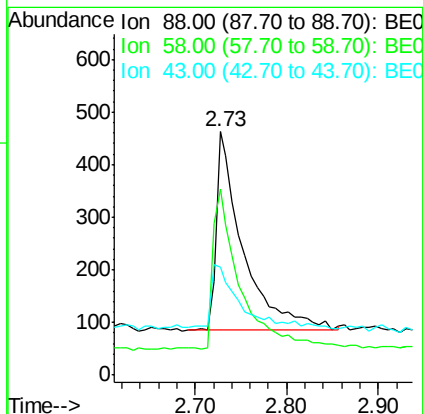
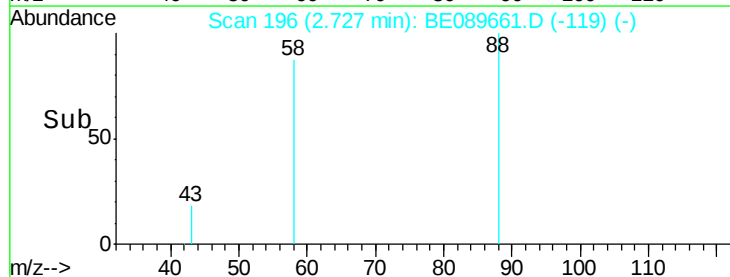


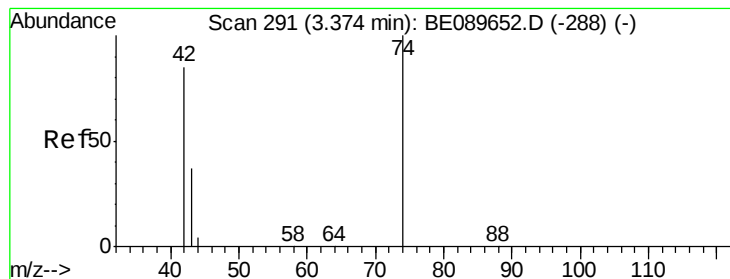
#2
 1,4-Dioxane
 Concen: 0.13 ng
 RT: 2.73 min Scan# 196
 Delta R.T. 0.02 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 88 Resp: 766
 Ion Ratio Lower Upper
 88 100
 58 85.9 61.8 92.6
 43 0.0 26.4 39.6#



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

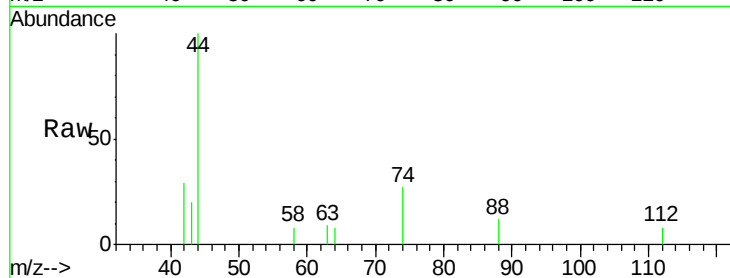




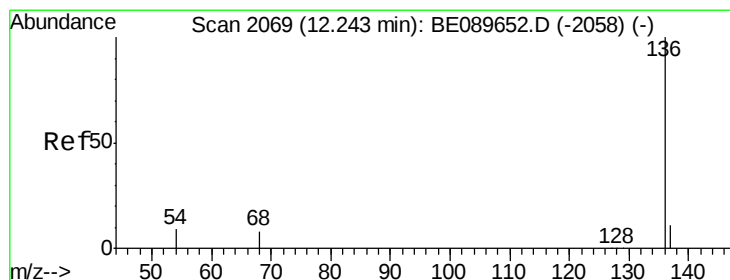
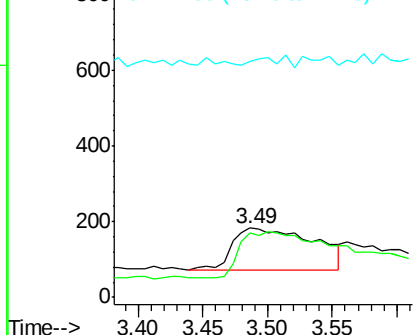
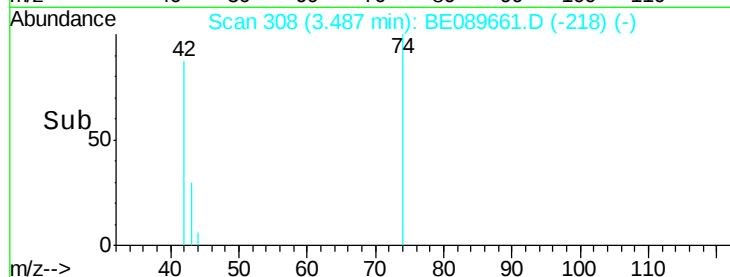
#3

n-Nitrosodimethylamine
 Concen: 0.12 ng
 RT: 3.49 min Scan# 308
 Delta R.T. 0.11 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 42 Resp: 502
 Ion Ratio Lower Upper
 42 100
 74 175.3 92.5 138.7#
 44 3.8 4.9 7.3#



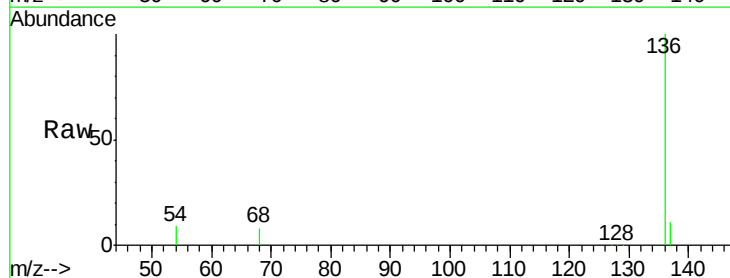
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



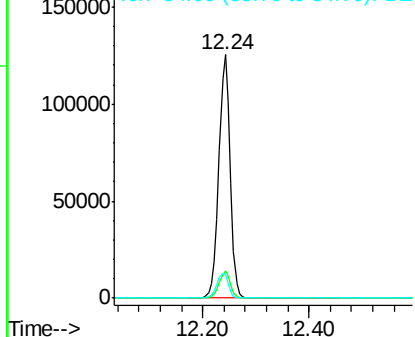
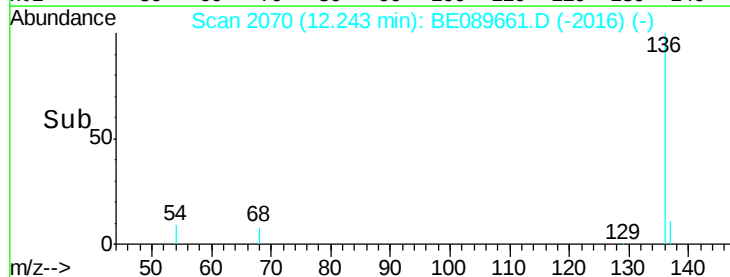
#4

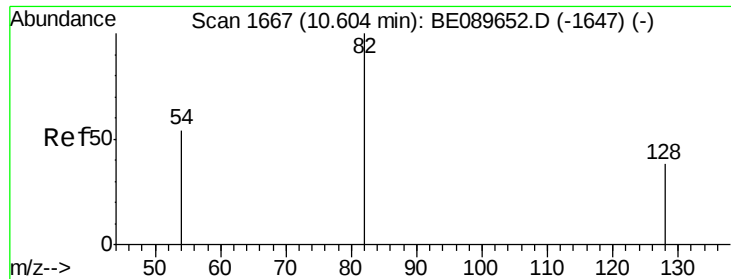
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 136 Resp: 185161
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.7 13.1
 54 9.4 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: 9.19 ng

RT: 10.60 min Scan# 1667

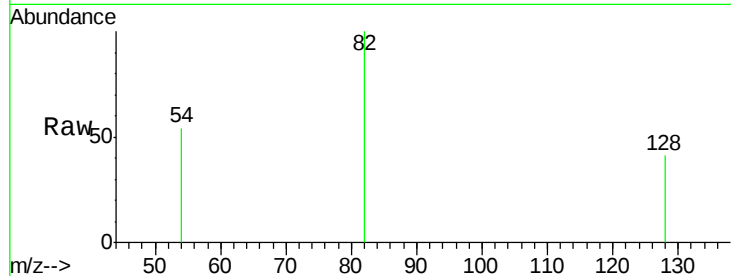
Delta R.T. -0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

Tgt Ion: 82 Resp: 102783

Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.0	46.4
54	53.9	43.8	65.8

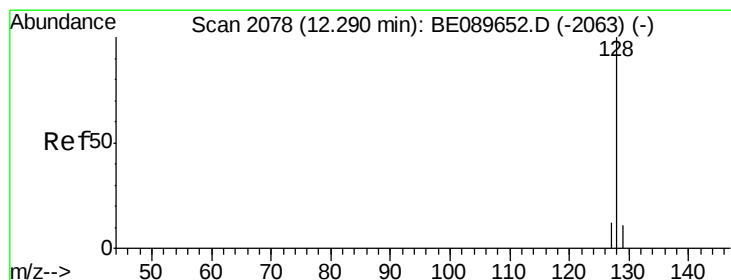
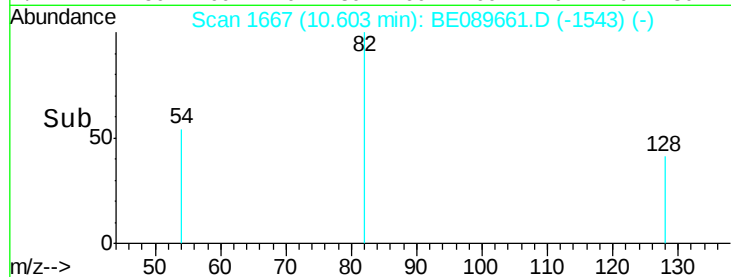
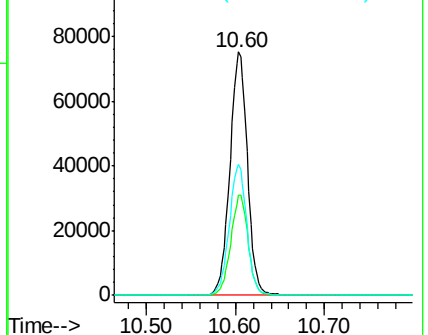


Abundance

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: 0.14 ng

RT: 12.29 min Scan# 2079

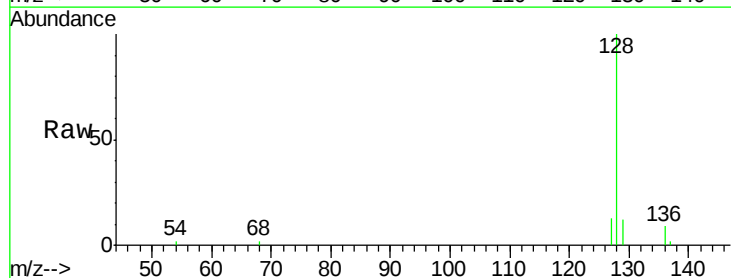
Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

Tgt Ion: 128 Resp: 5468

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.8	13.2
127	12.9	9.8	14.6

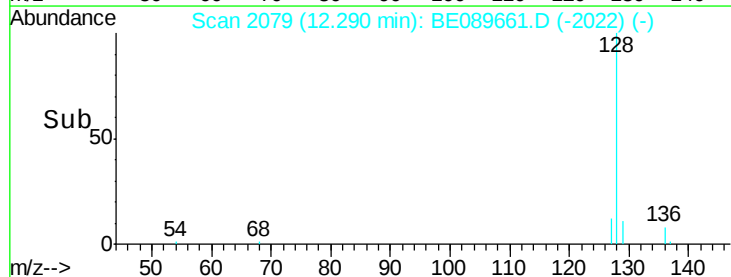
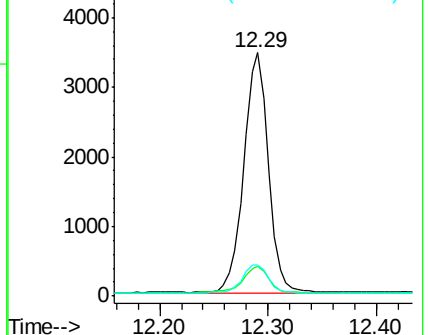


Abundance

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: 0.13 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

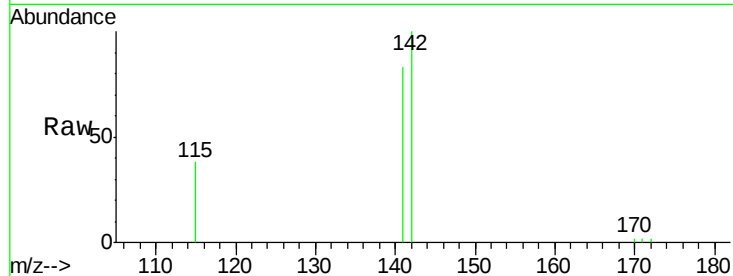
Tgt Ion:142 Resp: 2845

Ion Ratio Lower Upper

142 100

141 83.1 68.6 103.0

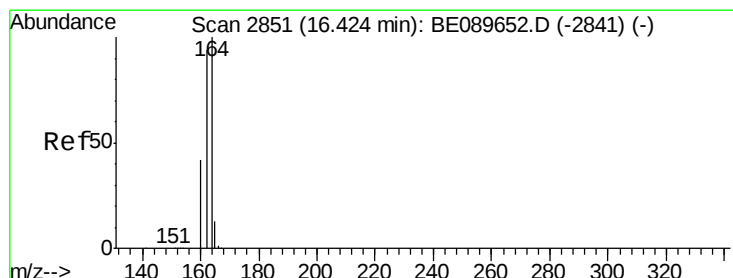
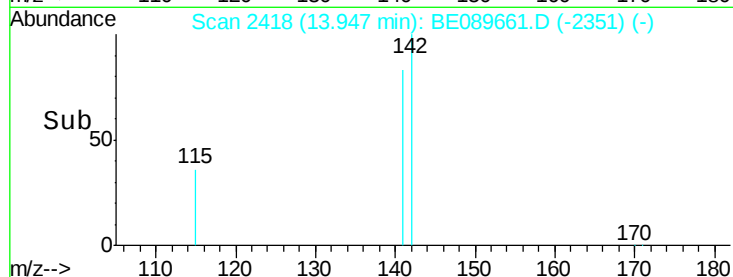
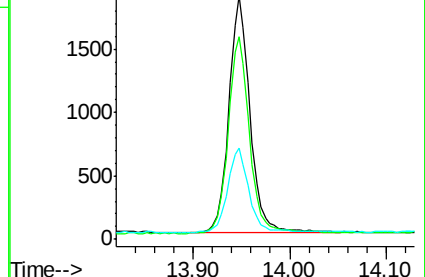
115 37.7 29.0 43.6



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: BE089661.D

Acq: 24 Feb 2015 4:40

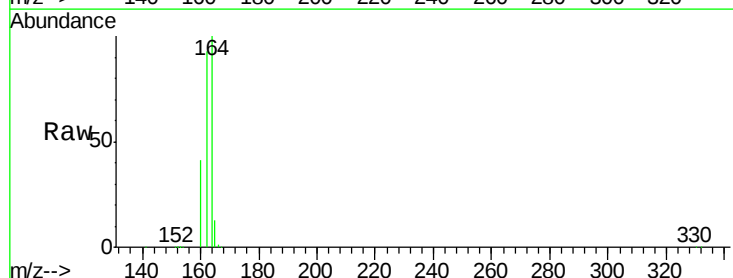
Tgt Ion:164 Resp: 80793

Ion Ratio Lower Upper

164 100

162 92.5 75.4 113.2

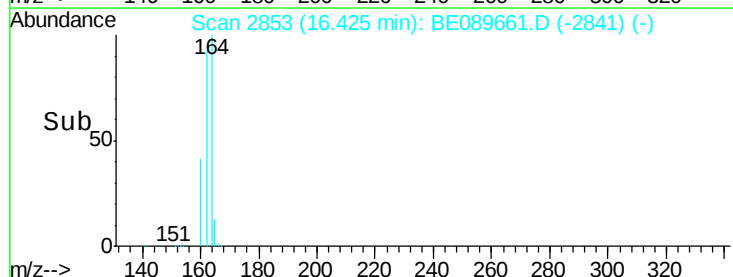
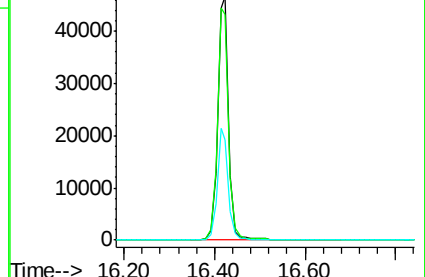
160 41.2 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

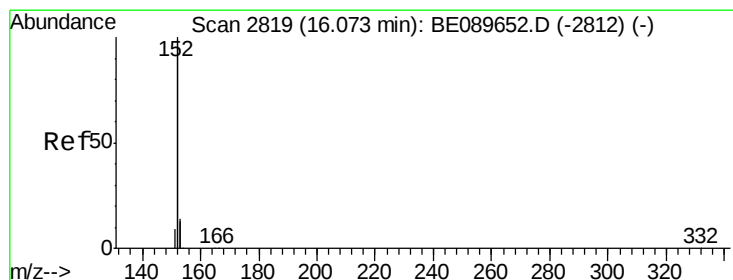
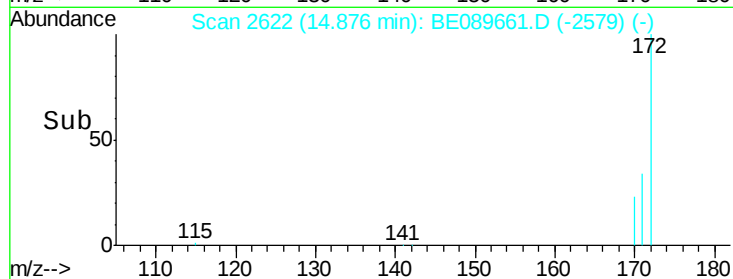
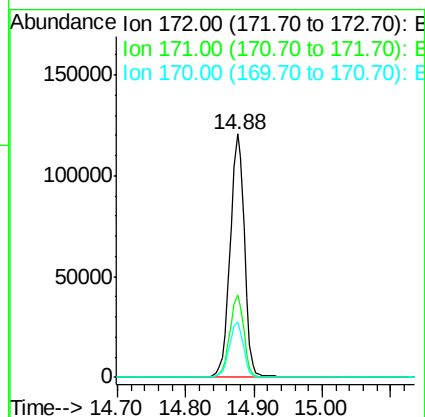
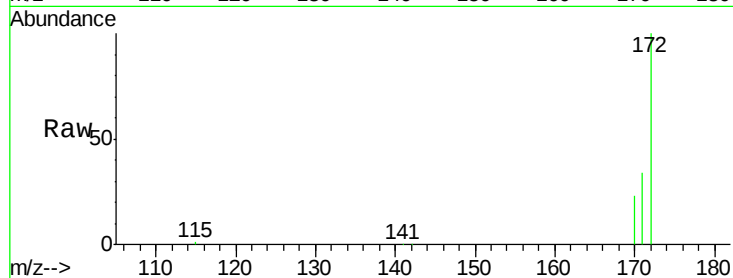
Ion 160.00 (159.70 to 160.70): E





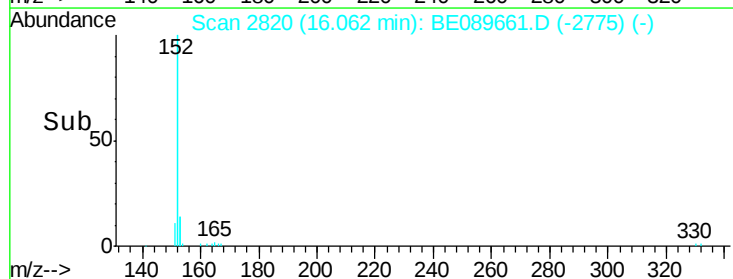
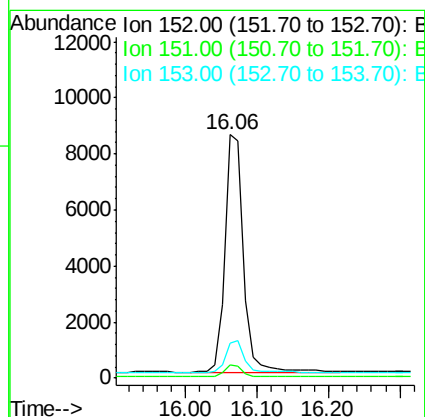
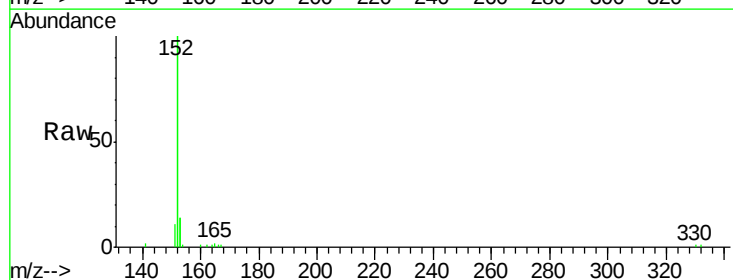
#9
 2-Fluorobiphenyl
 Concen: 9.60 ng
 RT: 14.88 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

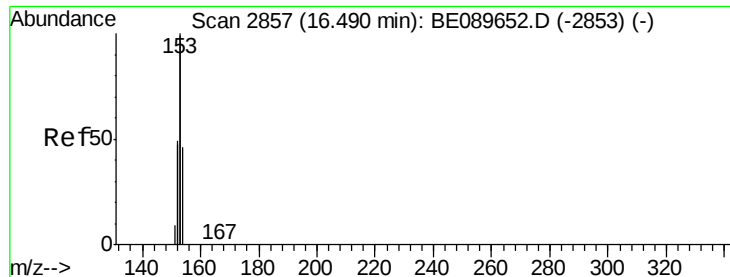
Tgt Ion:	172	Resp:	174596
Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.2	39.4
170	22.8	17.7	26.5



#10
 Acenaphthylene
 Concen: 0.13 ng
 RT: 16.06 min Scan# 2820
 Delta R.T. -0.01 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion:	152	Resp:	15542
Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.6
153	13.3	10.4	15.6





#11

Acenaphthene

Concen: 0.14 ng

RT: 16.49 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

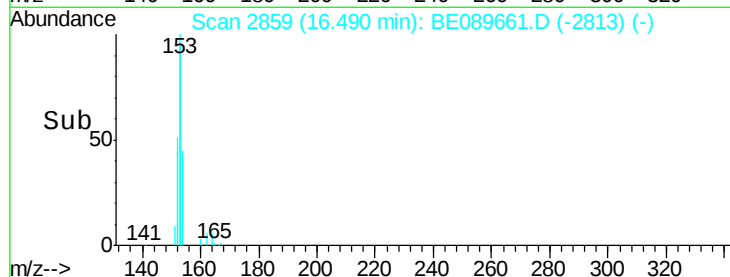
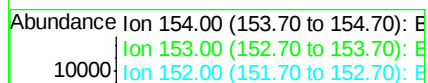
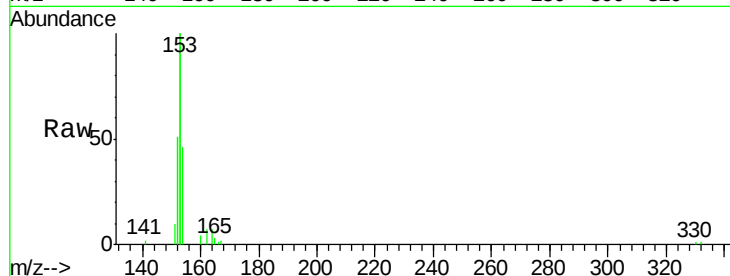
Tgt Ion:154 Resp: 2697

Ion Ratio Lower Upper

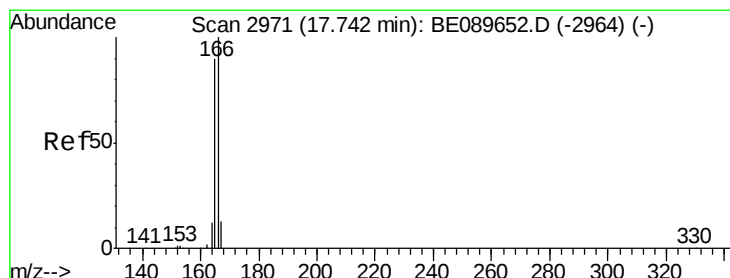
154 100

153 443.9 343.0 514.4

152 223.1 165.8 248.8



Time-->



#12

Fluorene

Concen: 0.14 ng

RT: 17.74 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

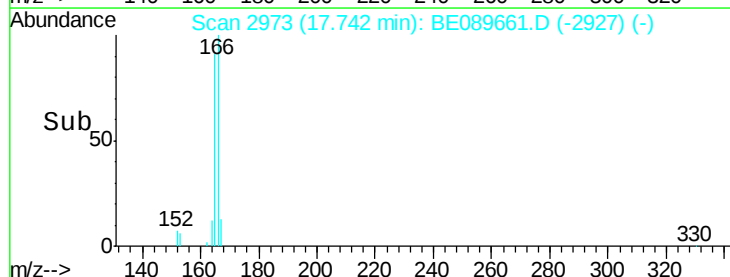
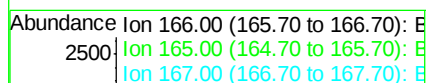
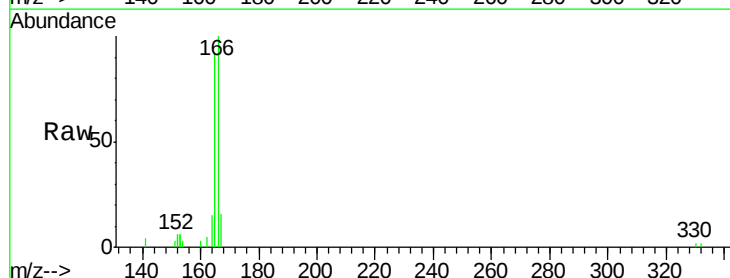
Tgt Ion:166 Resp: 3006

Ion Ratio Lower Upper

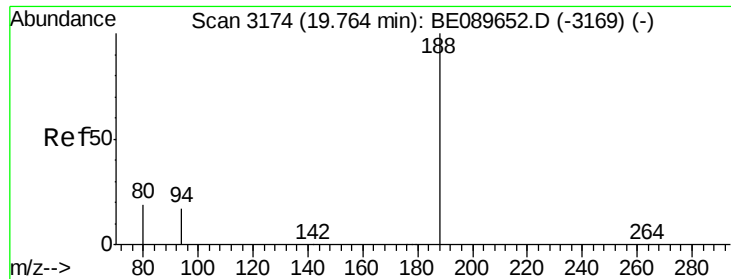
166 100

165 92.2 73.6 110.4

167 13.7 10.5 15.7

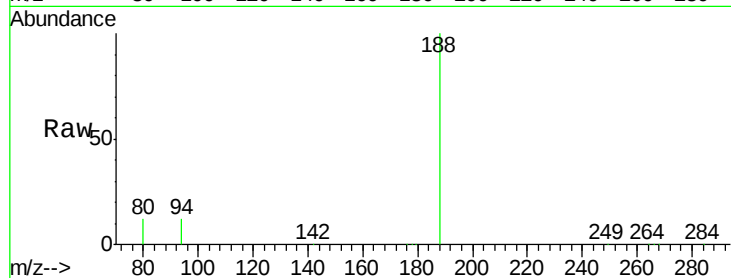


Time-->

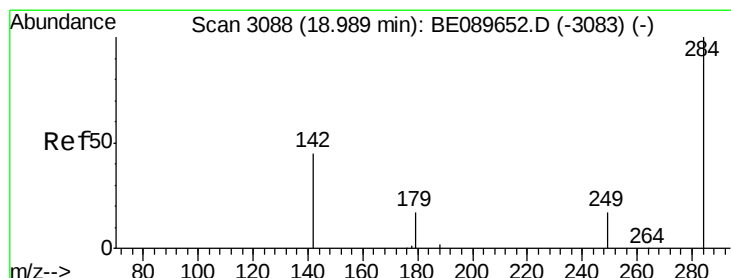
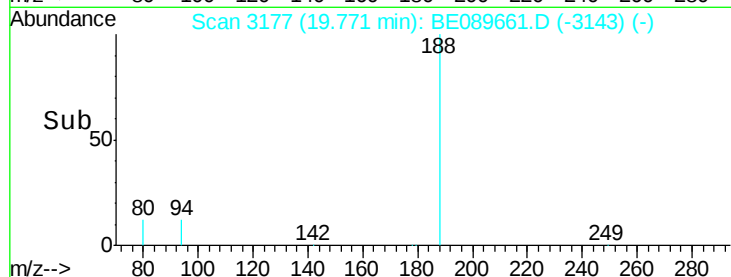
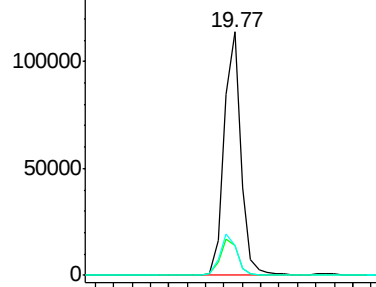


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE089661.D
Acq: 24 Feb 2015 4:40

Tgt Ion:188 Resp: 146029
Ion Ratio Lower Upper
188 100
94 12.0 13.8 20.8#
80 12.0 15.0 22.6#

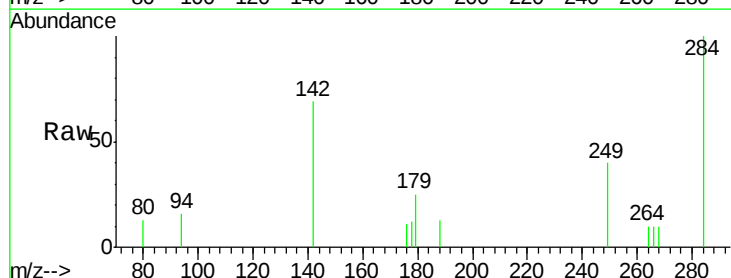


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

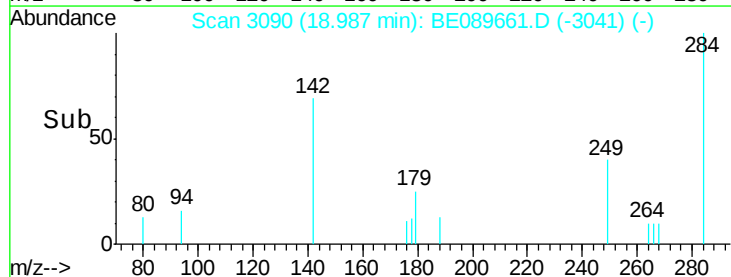
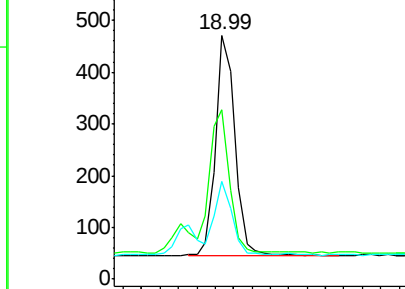


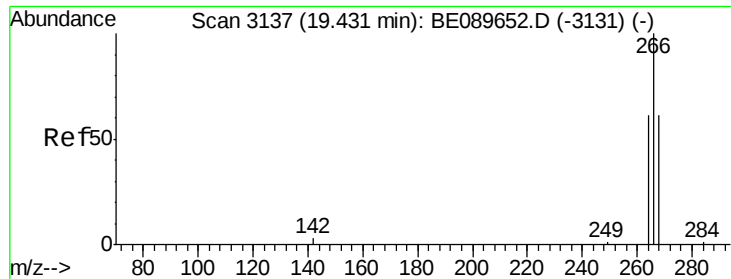
#14
Hexachlorobenzene
Concen: 0.16 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089661.D
Acq: 24 Feb 2015 4:40

Tgt Ion:284 Resp: 618
Ion Ratio Lower Upper
284 100
142 65.5 55.0 82.6
249 30.1 26.1 39.1



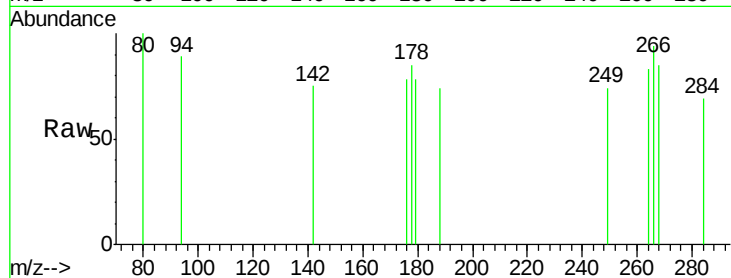
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



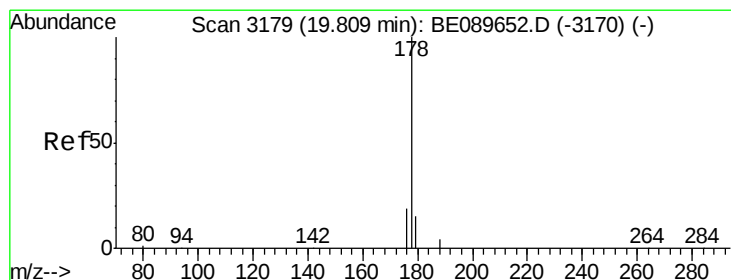
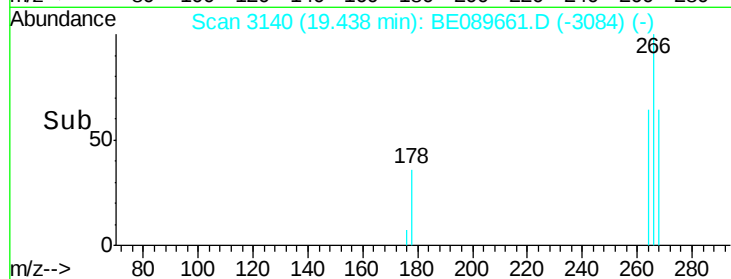
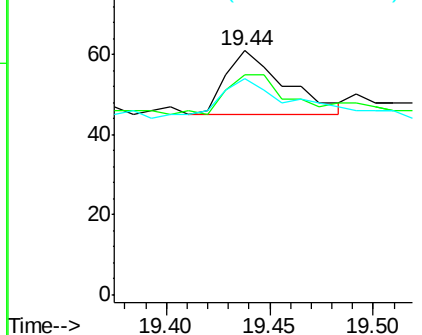


#15
 Pentachlorophenol
 Concen: 0.22 ng
 RT: 19.44 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 266 Resp: 32
 Ion Ratio Lower Upper
 266 100
 268 90.2 54.7 82.1#
 264 88.5 55.4 83.0#

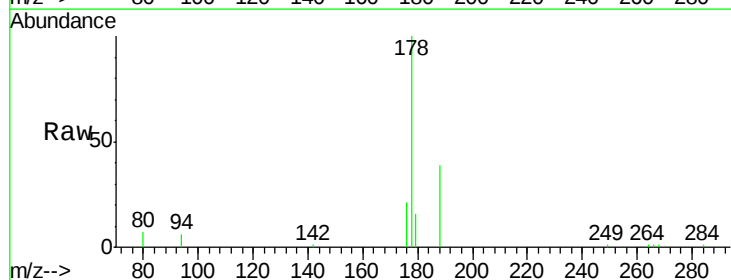


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

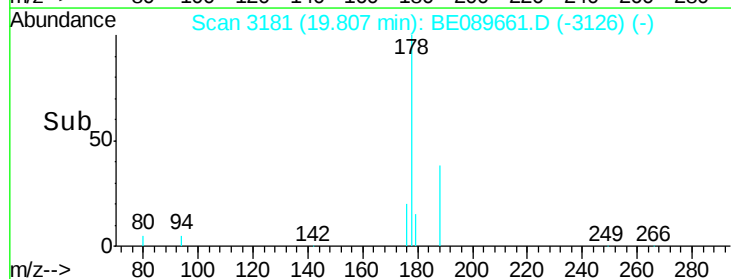
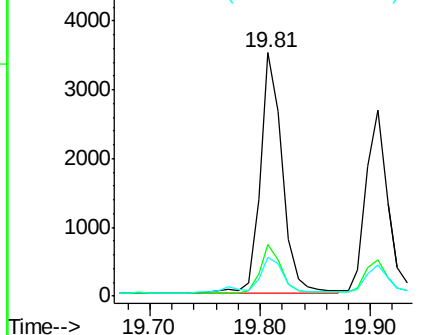


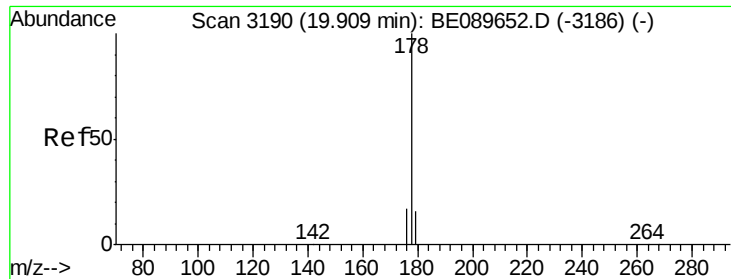
#16
 Phenanthrene
 Concen: 0.15 ng
 RT: 19.81 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 178 Resp: 4838
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.3 22.9
 179 17.4 12.3 18.5



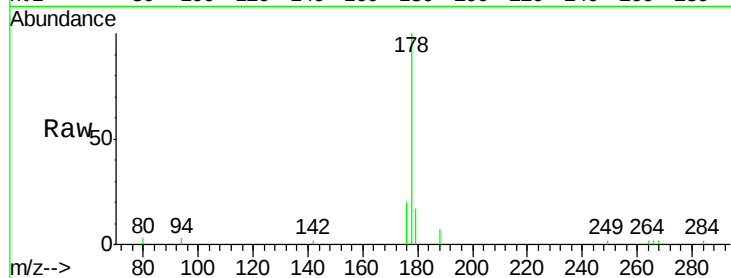
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



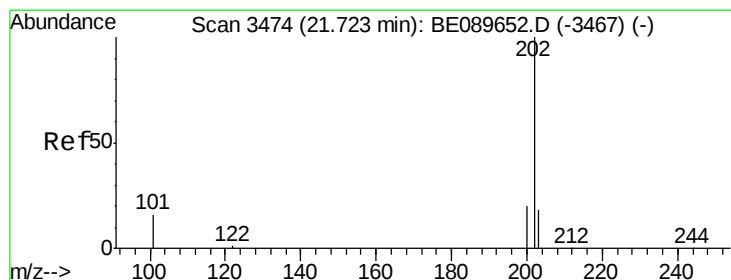
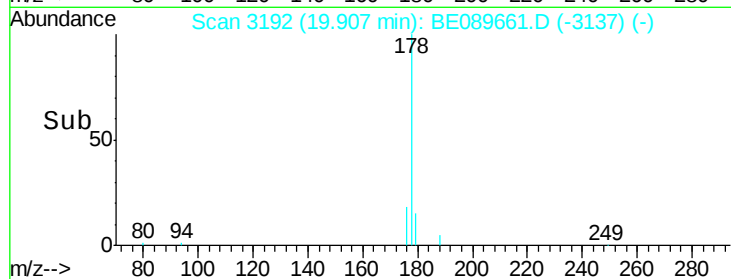
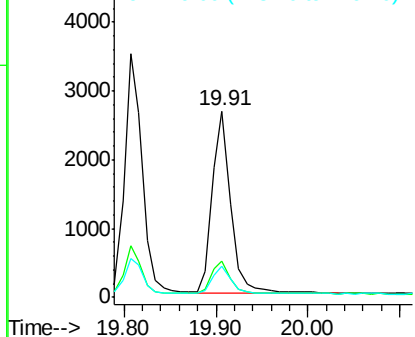


#17
 Anthracene
 Concen: 0.14 ng
 RT: 19.91 min Scan# 3192
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion:178 Resp: 3740
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.3 21.5
 179 14.8 12.1 18.1

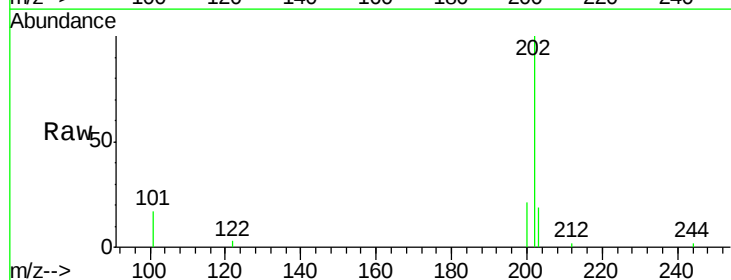


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

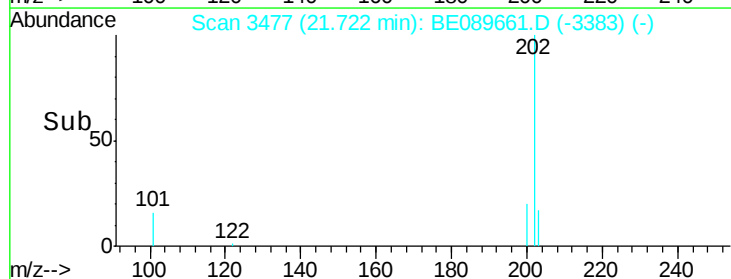
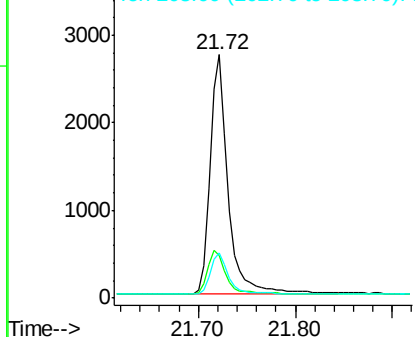


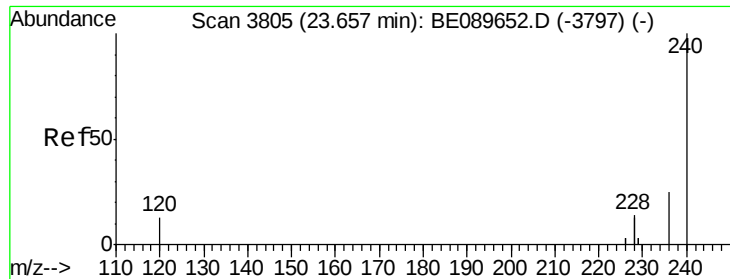
#18
 Fluoranthene
 Concen: 0.13 ng
 RT: 21.72 min Scan# 3477
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion:202 Resp: 3503
 Ion Ratio Lower Upper
 202 100
 101 18.5 14.9 22.3
 203 17.7 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: 23.65 min Scan# 3807

Delta R.T. -0.01 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

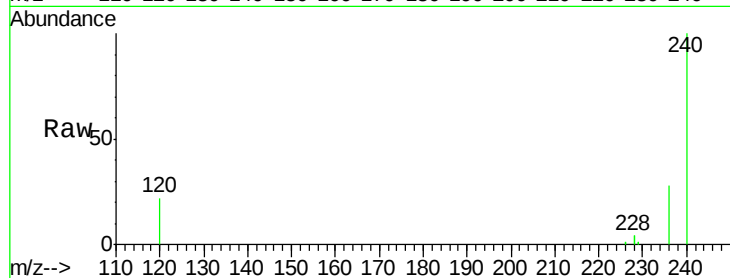
Tgt Ion: 240 Resp: 113250

Ion Ratio Lower Upper

240 100

120 22.1 10.6 15.8#

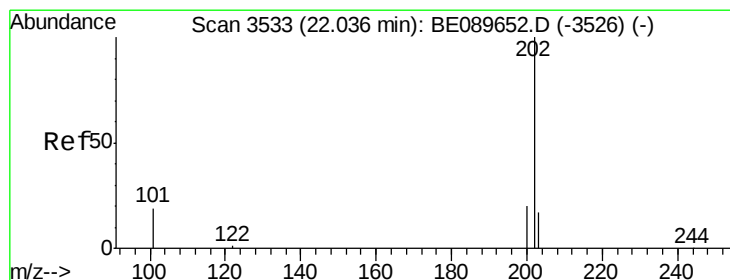
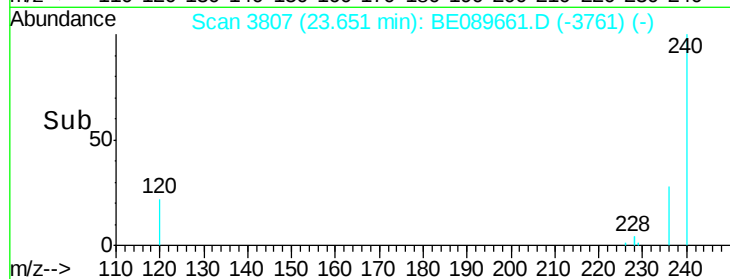
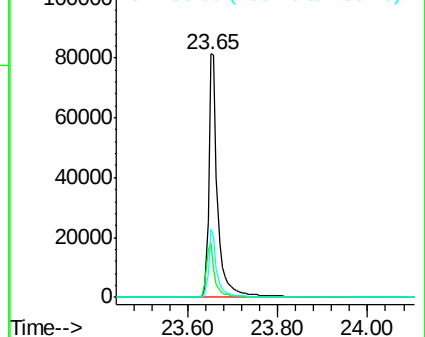
236 27.8 20.3 30.5



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: 0.14 ng

RT: 22.03 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

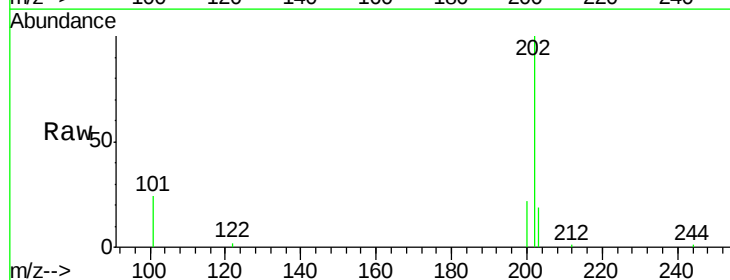
Tgt Ion: 202 Resp: 3855

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

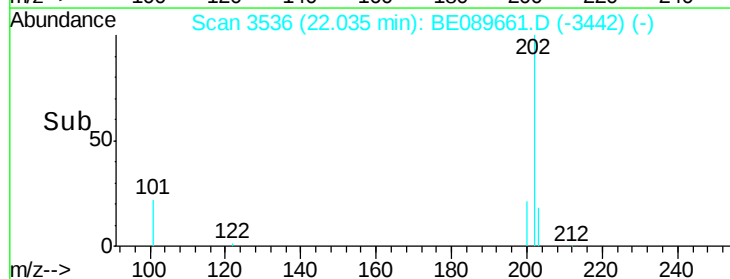
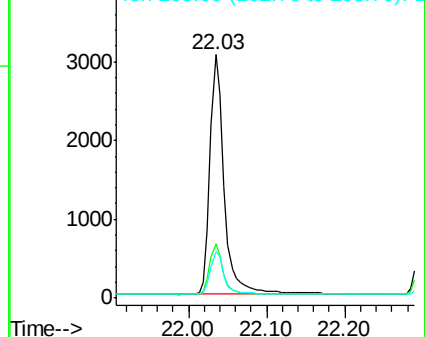
203 17.5 13.8 20.6

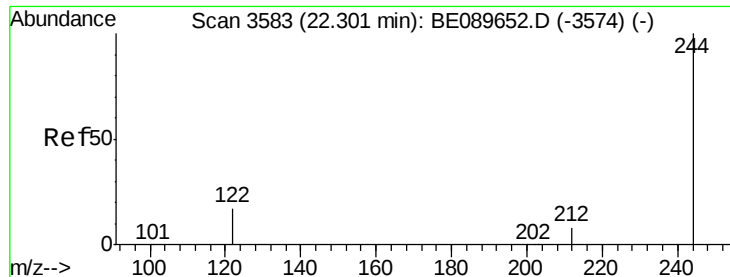


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

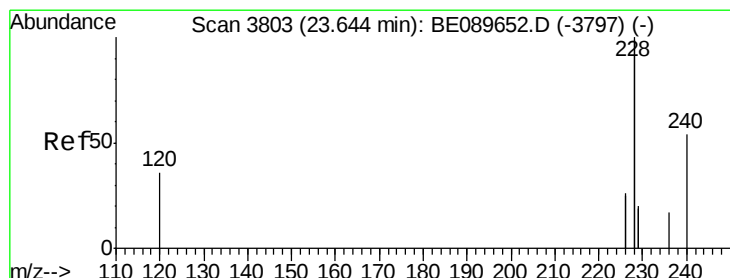
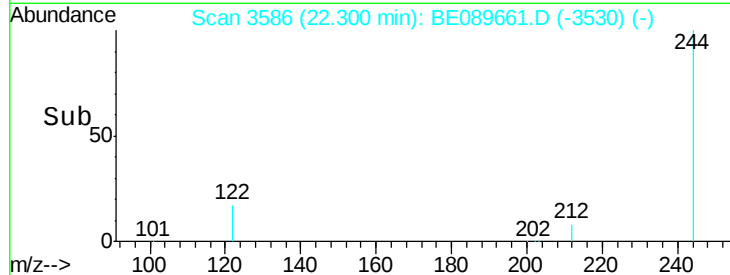
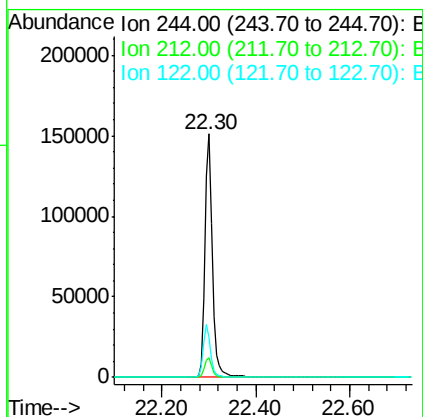
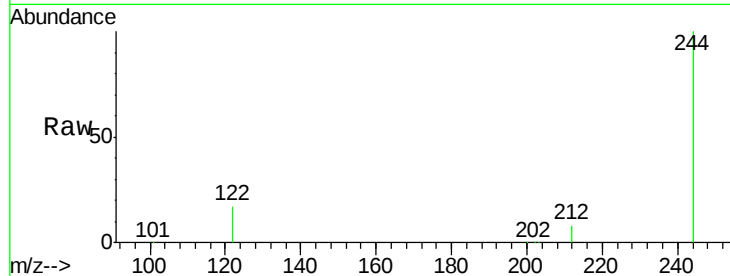
Ion 203.00 (202.70 to 203.70): E





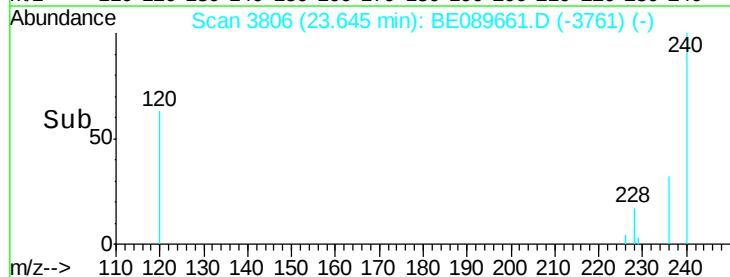
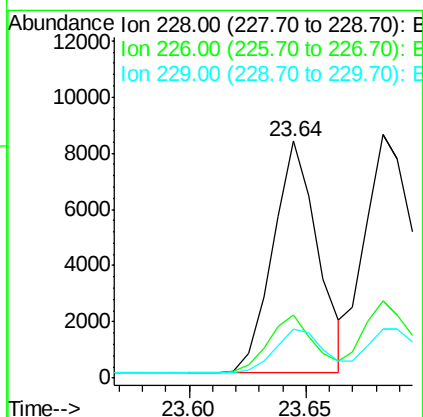
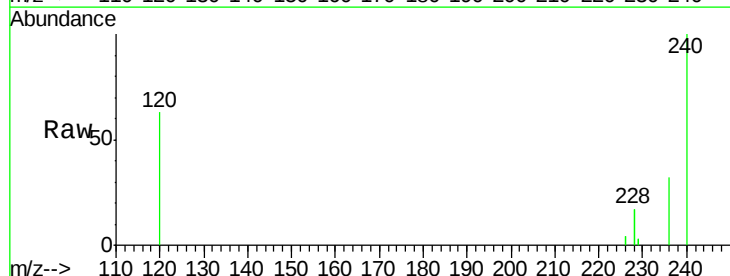
#21
 Terphenyl-d14
 Concen: 10.03 ng
 RT: 22.30 min Scan# 3586
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 244 Resp: 162280
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 16.7 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 0.14 ng
 RT: 23.64 min Scan# 3806
 Delta R.T. 0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 228 Resp: 11044
 Ion Ratio Lower Upper
 228 100
 226 26.9 20.9 31.3
 229 20.5 15.8 23.6





#23

Chrysene

Concen: 0.16 ng

RT: 23.68 min Scan# 3812

Delta R.T. -0.01 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

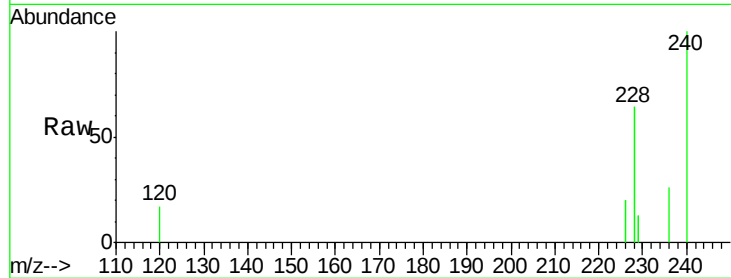
Tgt Ion: 228 Resp: 17622

Ion Ratio Lower Upper

228 100

226 31.8 22.0 33.0

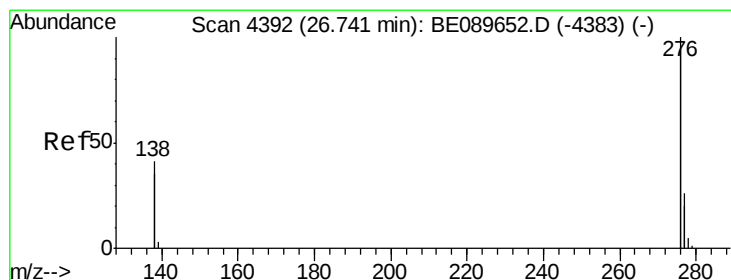
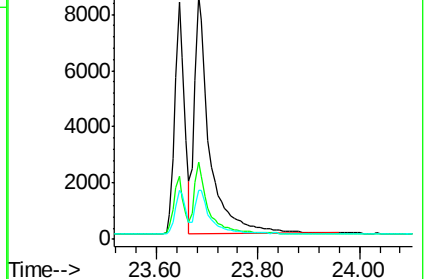
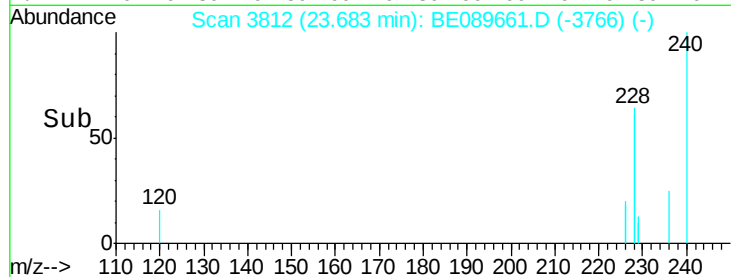
229 20.4 16.6 24.8



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: 26.74 min Scan# 4395

Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

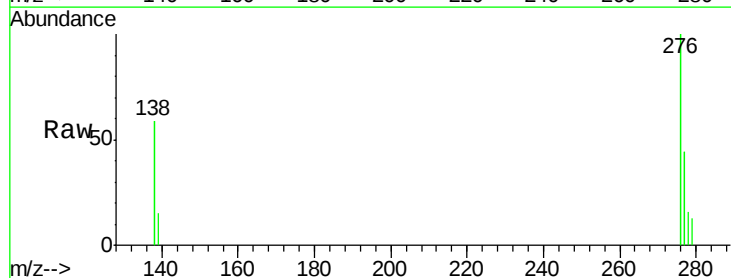
Tgt Ion: 276 Resp: 2523

Ion Ratio Lower Upper

276 100

138 18.5 36.2 54.4#

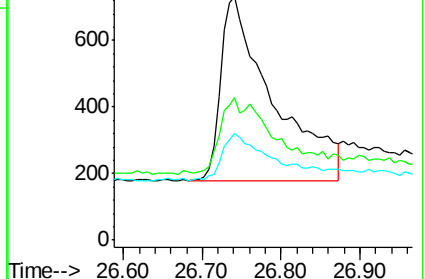
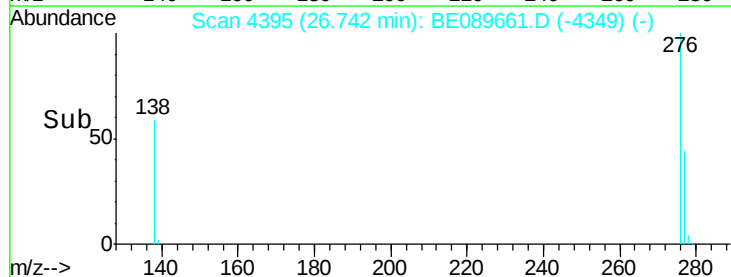
277 24.0 5.4 8.2#

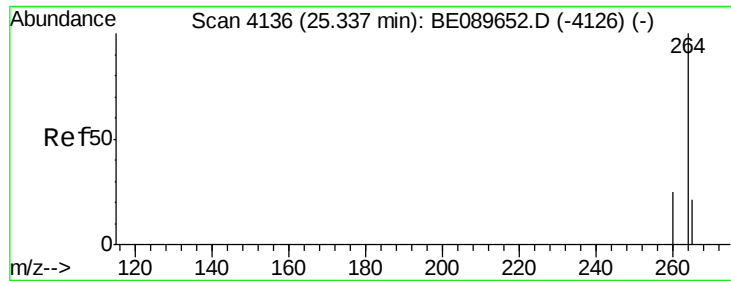


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

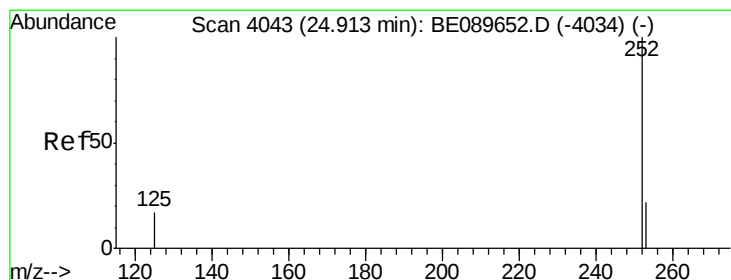
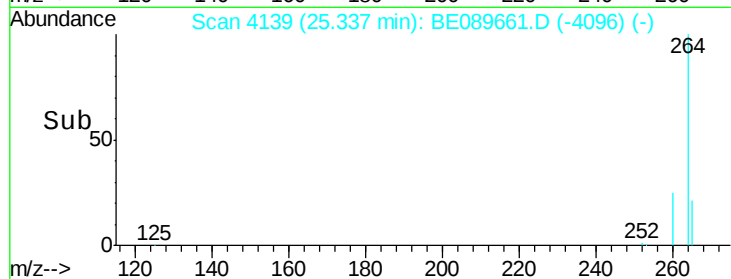
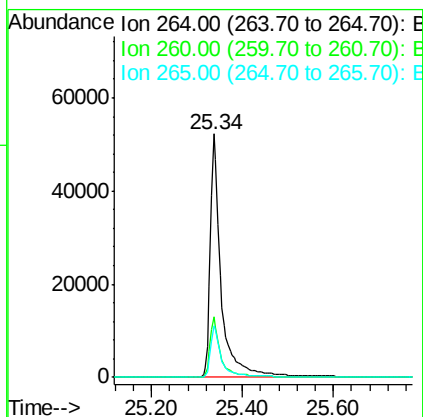
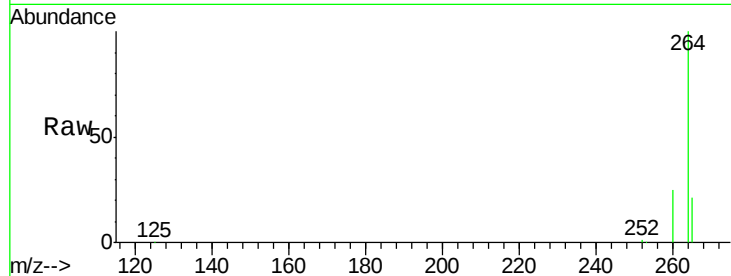
Ion 277.00 (276.70 to 277.70): E





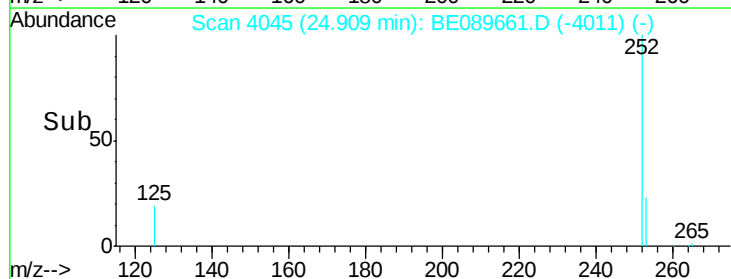
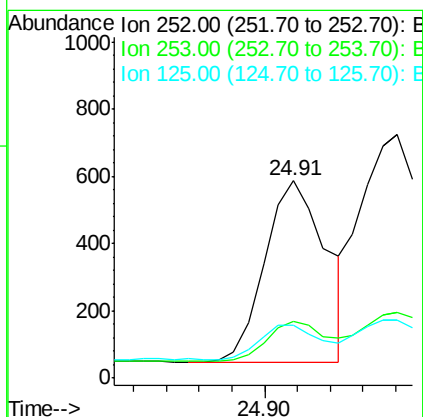
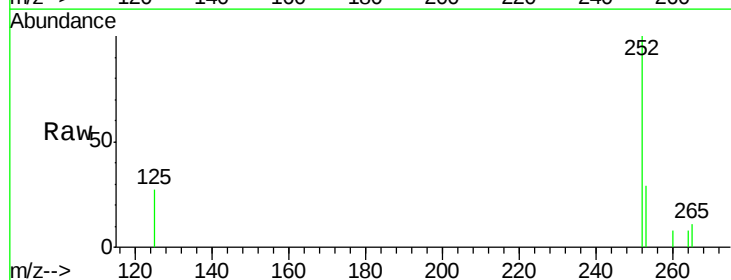
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

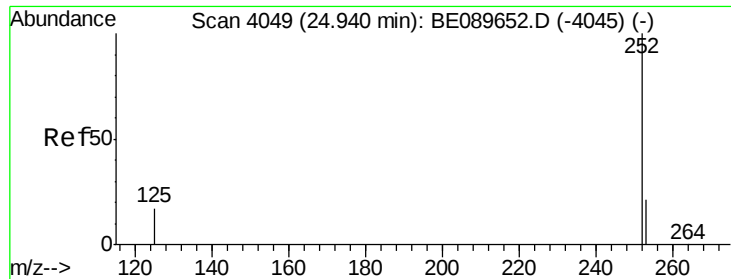
Tgt Ion: 264 Resp: 86697
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.0 30.0
 265 21.1 16.8 25.2



#26
 Benzo(b)fluoranthene
 Concen: 0.42 ng
 RT: 24.91 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BE089661.D
 Acq: 24 Feb 2015 4:40

Tgt Ion: 252 Resp: 699
 Ion Ratio Lower Upper
 252 100
 253 28.8 18.3 27.5#
 125 27.0 14.6 22.0#





#27

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 24.94 min Scan# 4052

Delta R.T. 0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

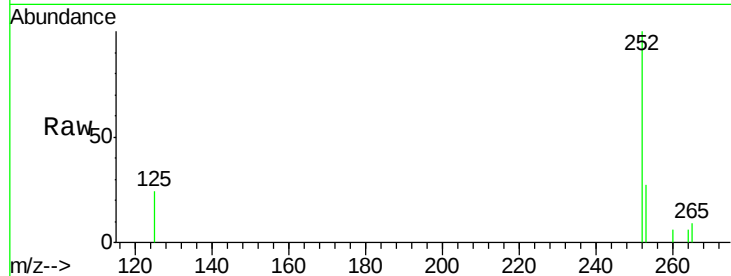
Tgt Ion: 252 Resp: 1947

Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.8#

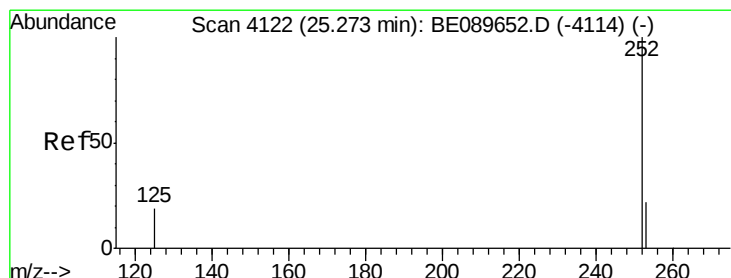
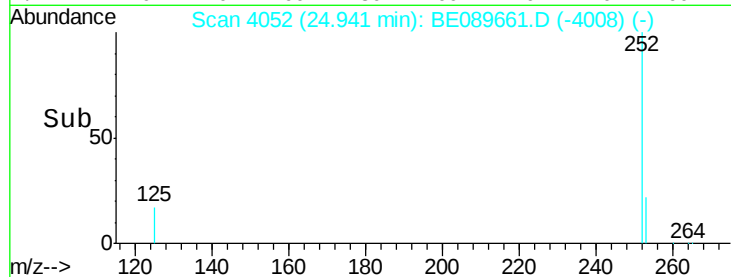
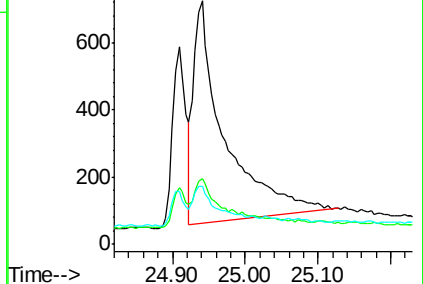
125 23.8 14.3 21.5#



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



#28

Benzo(a)pyrene

Concen: 0.37 ng

RT: 25.27 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BE089661.D

Acq: 24 Feb 2015 4:40

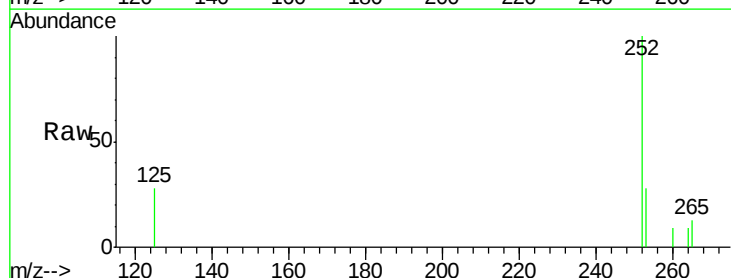
Tgt Ion: 252 Resp: 790

Ion Ratio Lower Upper

252 100

253 28.5 18.4 27.6#

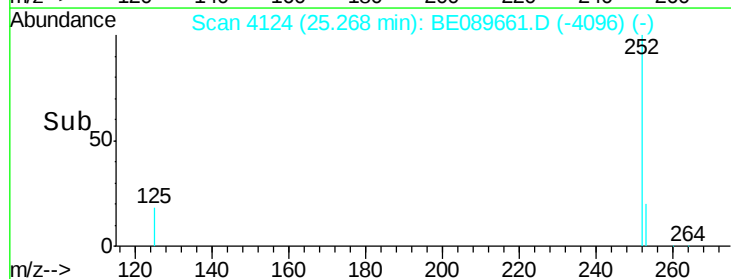
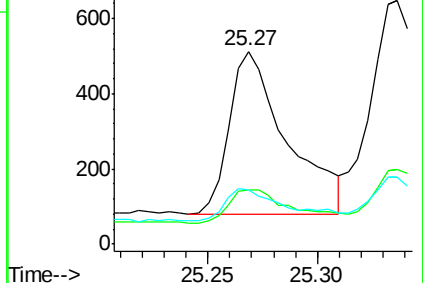
125 27.9 15.9 23.9#

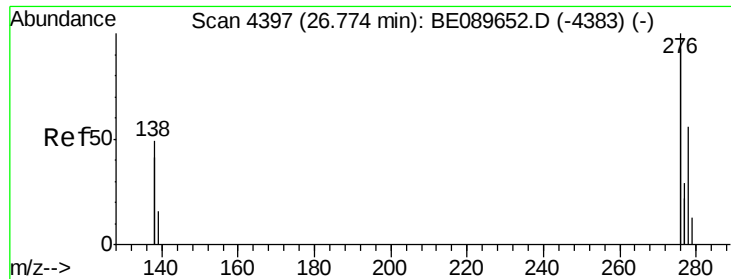


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

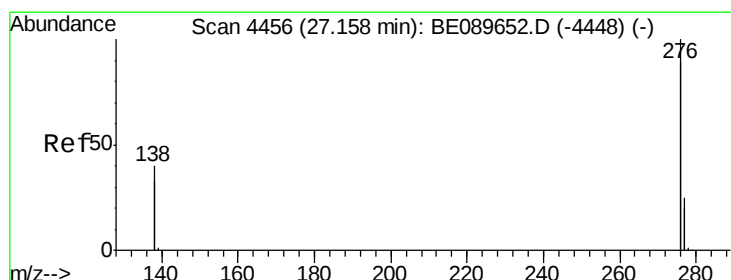
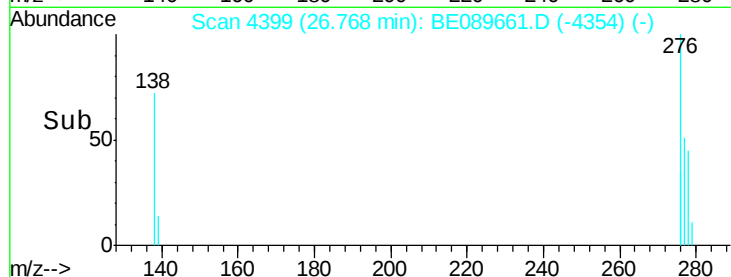
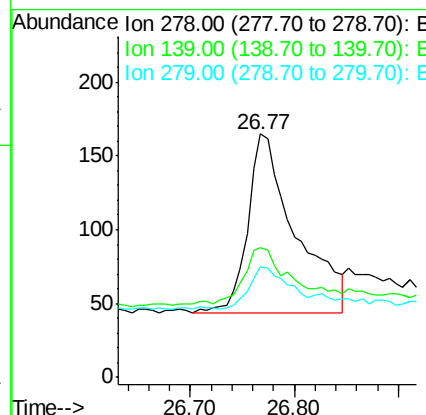
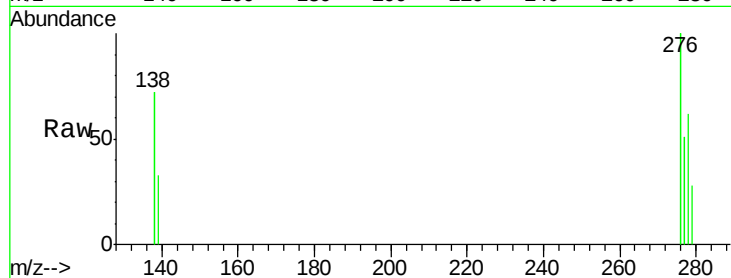




#29
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.77 min Scan# 4399
Delta R.T. -0.01 min
Lab File: BE089661.D
Acq: 24 Feb 2015 4:40

Tgt Ion: 278 Resp: 385

Ion	Ratio	Lower	Upper
278	100		
139	53.3	25.4	38.2#
279	45.5	20.0	30.0#



#30
Benzo(g,h,i)perylene
Concen: 0.27 ng
RT: 27.16 min Scan# 4459
Delta R.T. 0.00 min
Lab File: BE089661.D
Acq: 24 Feb 2015 4:40

Tgt Ion: 276 Resp: 3804

Ion	Ratio	Lower	Upper
276	100		
277	37.5	20.2	30.2#
138	50.2	32.4	48.6#

