

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022315\
 Data File : BE089657.D
 Acq On : 24 Feb 2015 2:04
 Operator : TP/JJ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.2/0.4
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 24 04:05:40 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	46326	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	195622	5.00	ng	0.00
8) Acenaphthene-d10	16.43	164	87620	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	159594	5.00	ng	0.00
19) Chrysene-d12	23.65	240	123177	5.00	ng	0.00
25) Perylene-d12	25.34	264	96844	5.00	ng	0.00

System Monitoring Compounds

5) Nitrobenzene-d5	10.60	82	104436	8.84	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	183868	9.32	ng	0.00
21) Terphenyl-d14	22.30	244	174215	9.90	ng	0.00

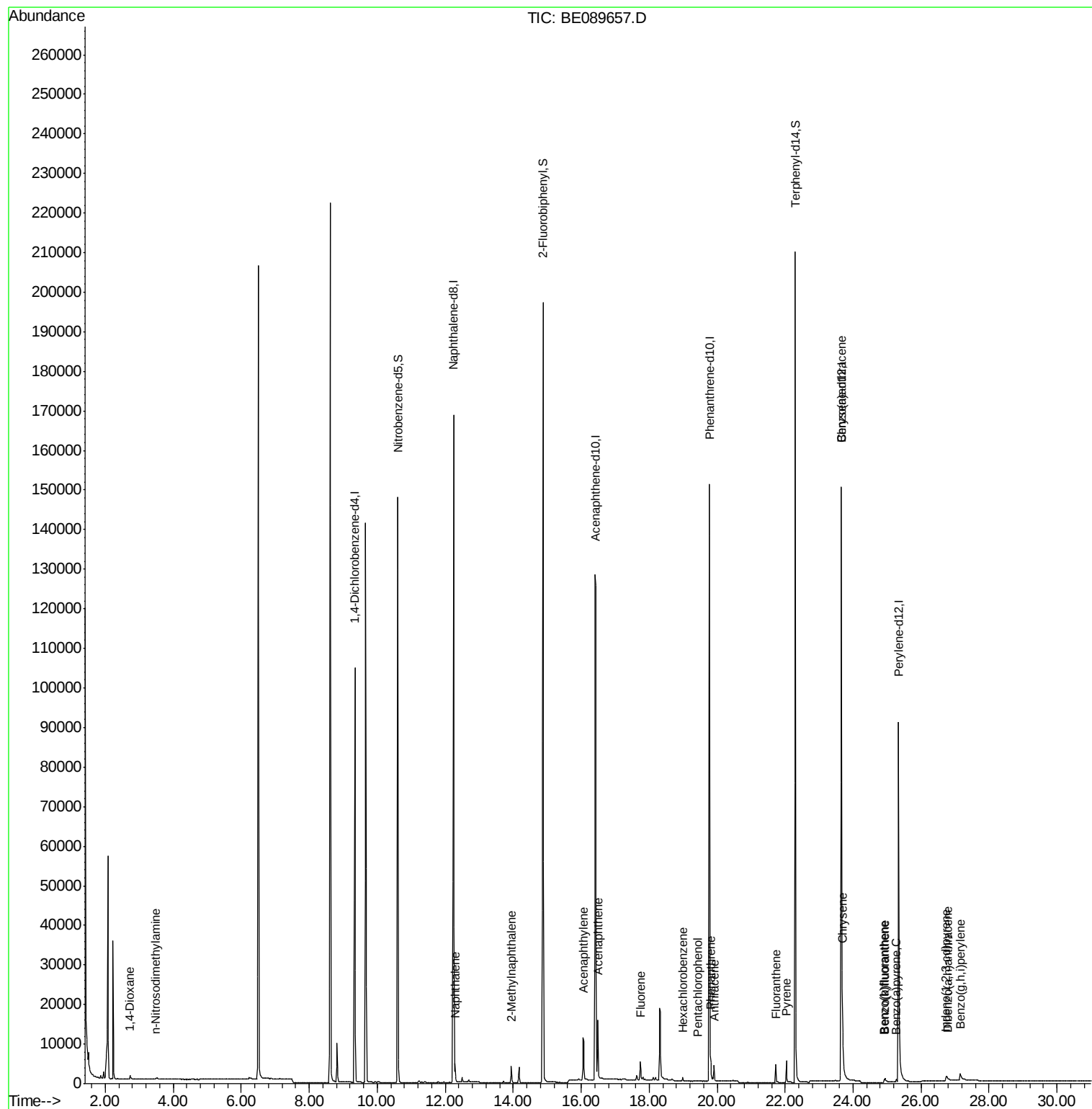
Target Compounds

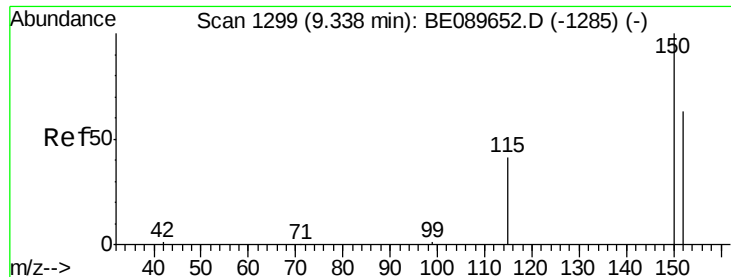
						Qvalue
2) 1,4-Dioxane	2.72	88	786	0.13	ng	# 80
3) n-Nitrosodimethylamine	3.49	42	703	0.14	ng	# 77
6) Naphthalene	12.29	128	5755	0.14	ng	97
7) 2-Methylnaphthalene	13.95	142	2893	0.13	ng	98
10) Acenaphthylene	16.06	152	15871	0.12	ng	100
11) Acenaphthene	16.49	154	2889	0.14	ng	99
12) Fluorene	17.74	166	3153	0.14	ng	98
14) Hexachlorobenzene	18.99	284	636	0.15	ng	98
15) Pentachlorophenol	19.44	266	54	0.26	ng	# 80
16) Phenanthrene	19.81	178	5118	0.15	ng	98
17) Anthracene	19.91	178	3923	0.13	ng	99
18) Fluoranthene	21.72	202	3791	0.13	ng	99
20) Pyrene	22.04	202	4095	0.13	ng	100
22) Benzo(a)anthracene	23.65	228	13022	0.15	ng	98
23) Chrysene	23.68	228	18448	0.16	ng	97
24) Indeno(1,2,3-cd)pyrene	26.74	276	3334	0.40	ng	# 89
26) Benzo(b)fluoranthene	24.91	252	833	0.42	ng	# 89
27) Benzo(k)fluoranthene	24.94	252	1948	0.10	ng	# 90
28) Benzo(a)pyrene	25.27	252	938	0.37	ng	# 84
29) Dibenzo(a,h)anthracene	26.77	278	477	0.39	ng	# 67
30) Benzo(g,h,i)perylene	27.15	276	4702	0.28	ng	# 84

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

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Data File : BE089657.D
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Operator : TP/JJ
Sample : MDL-01-S
Misc : MDL-SOIL-0.2/0.4
ALS Vial : 11 Sample Multiplier: 1

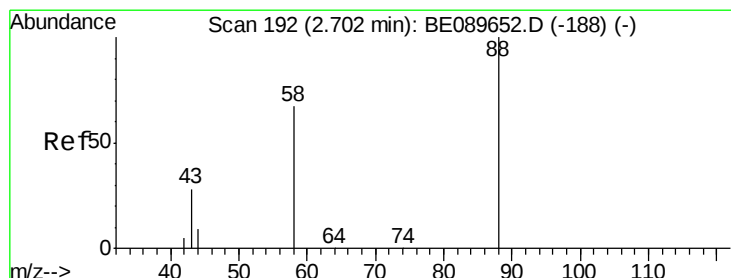
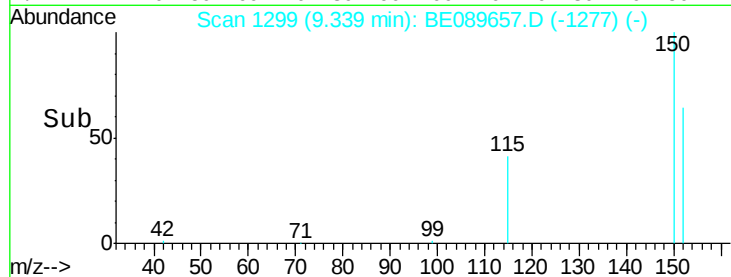
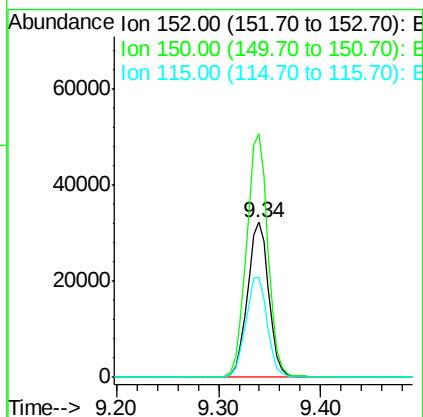
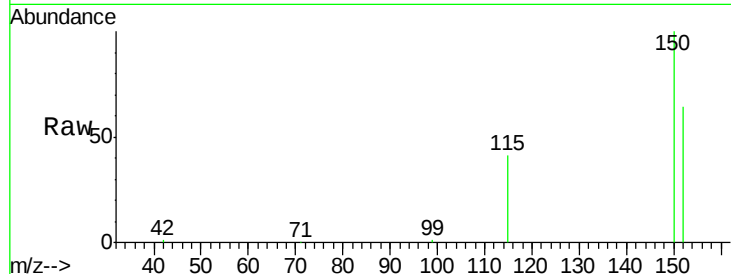
Quant Time: Feb 24 04:05:40 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:46:57 2015
Response via : Initial Calibration





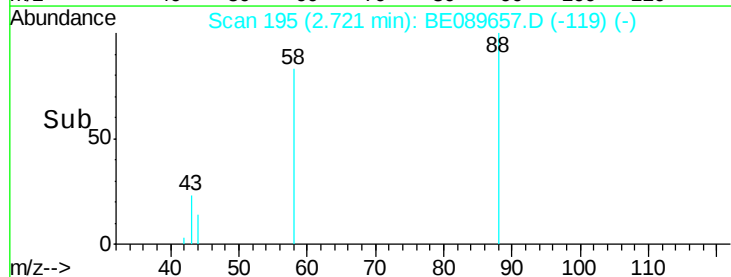
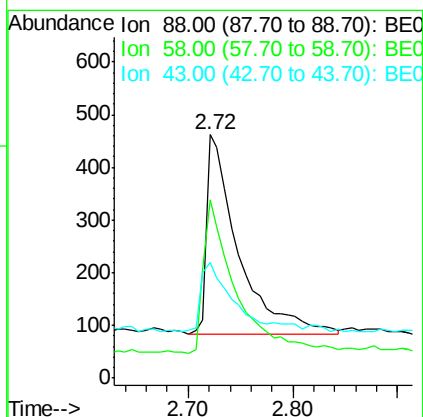
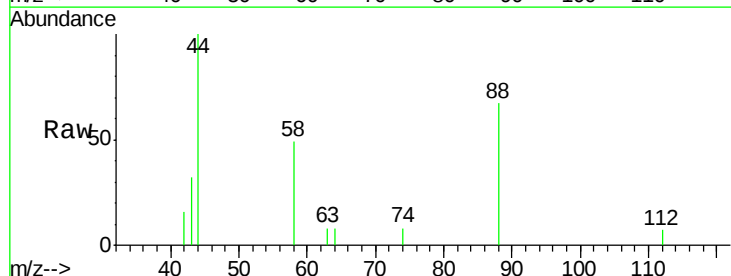
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.34 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

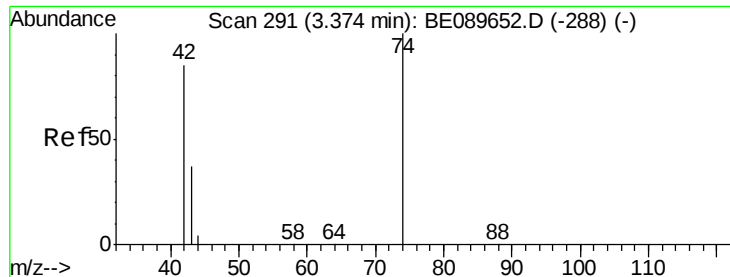
Tgt Ion: 152 Resp: 46326
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.0 190.6
 115 64.4 52.4 78.6



#2
 1,4-Dioxane
 Concen: 0.13 ng
 RT: 2.72 min Scan# 195
 Delta R.T. 0.02 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 88 Resp: 786
 Ion Ratio Lower Upper
 88 100
 58 79.9 61.8 92.6
 43 0.0 26.4 39.6#

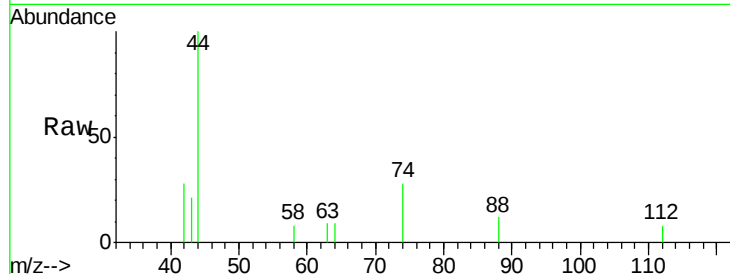




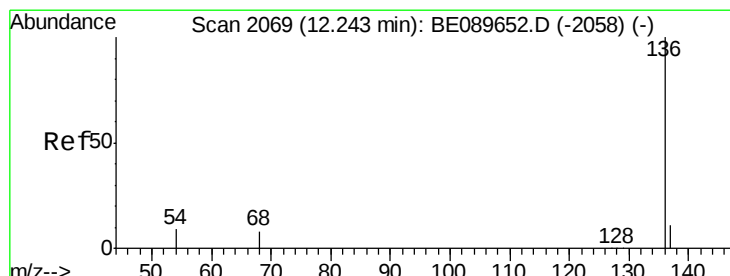
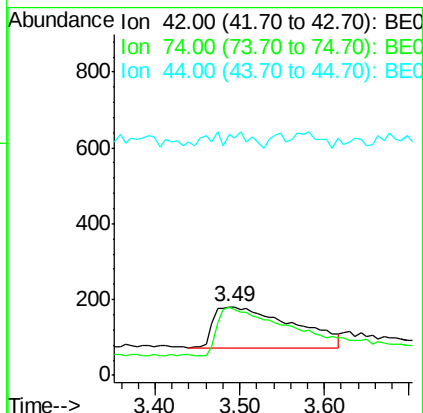
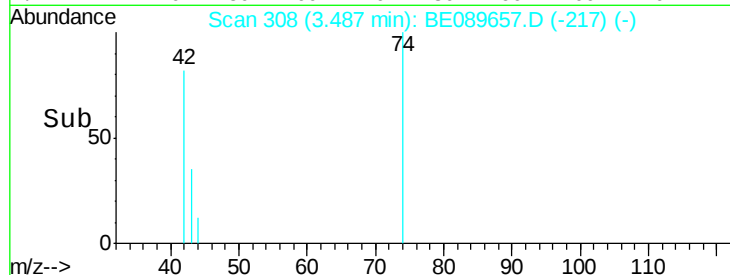
#3

n-Nitrosodimethylamine
 Concen: 0.14 ng
 RT: 3.49 min Scan# 308
 Delta R.T. 0.11 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 42 Resp: 703
 Ion Ratio Lower Upper
 42 100
 74 141.0 92.5 138.7#
 44 9.5 4.9 7.3#



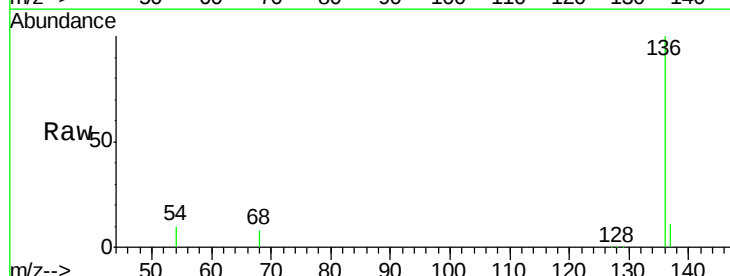
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



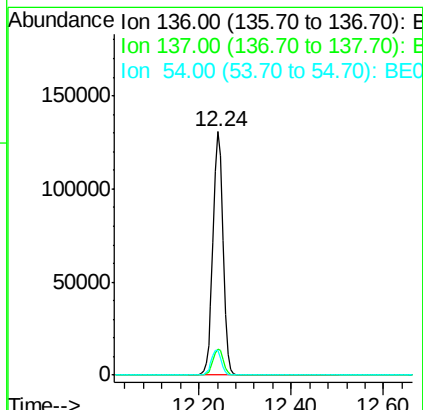
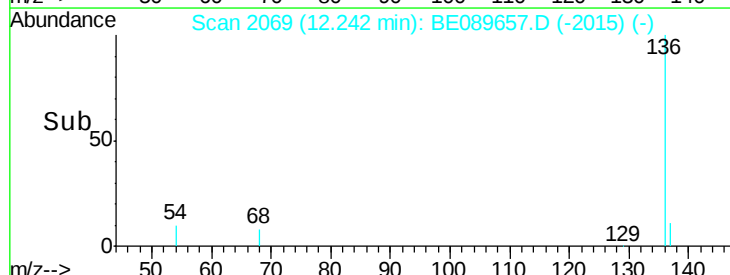
#4

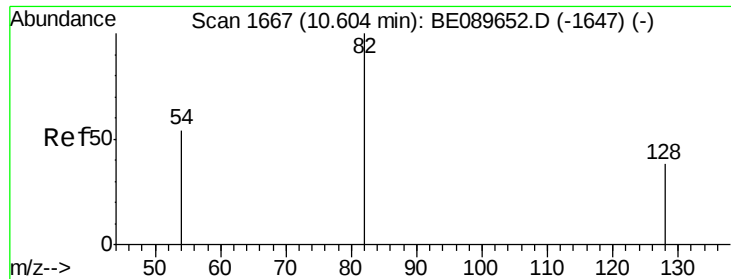
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 136 Resp: 195622
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 10.0 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: 8.84 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

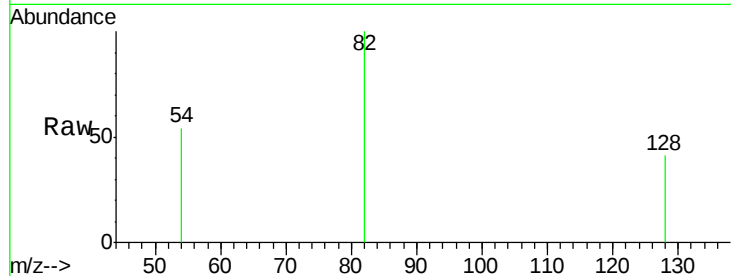
Tgt Ion: 82 Resp: 104436

Ion Ratio Lower Upper

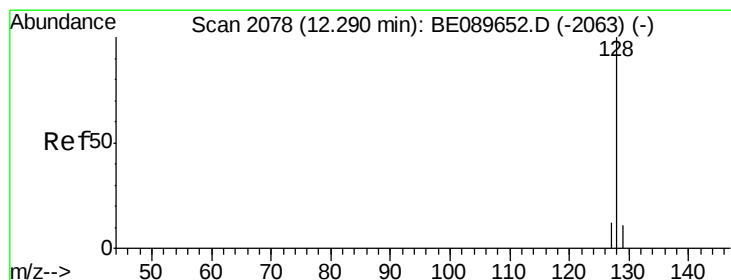
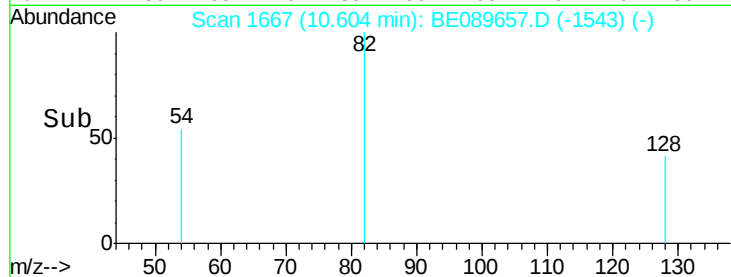
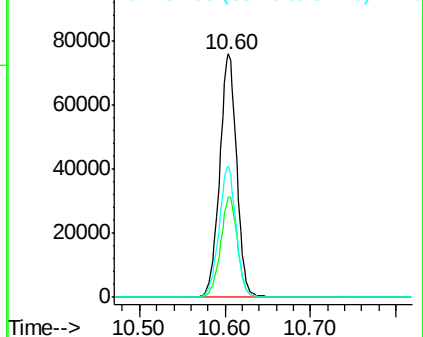
82 100

128 41.3 31.0 46.4

54 54.0 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# 2078

Delta R.T. -0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

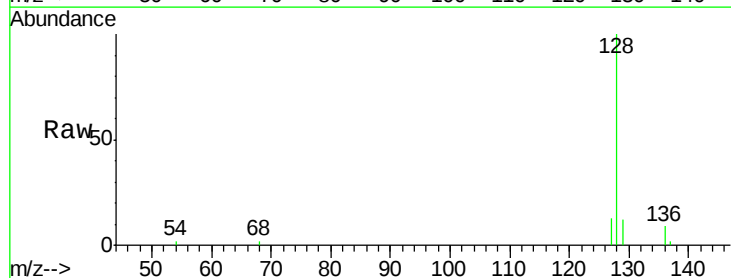
Tgt Ion: 128 Resp: 5755

Ion Ratio Lower Upper

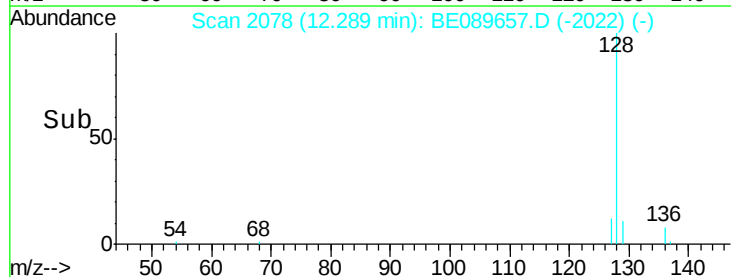
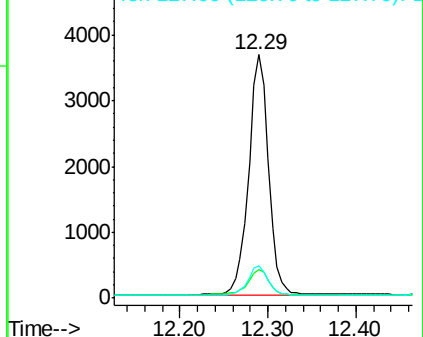
128 100

129 11.7 8.8 13.2

127 13.4 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

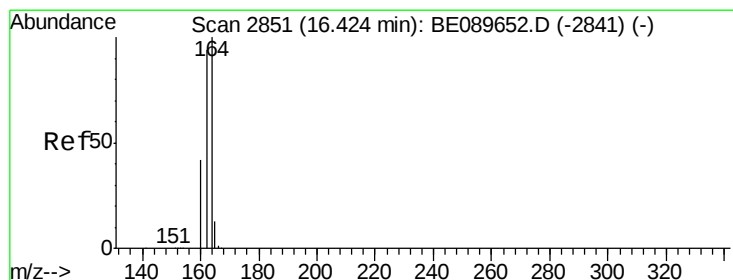
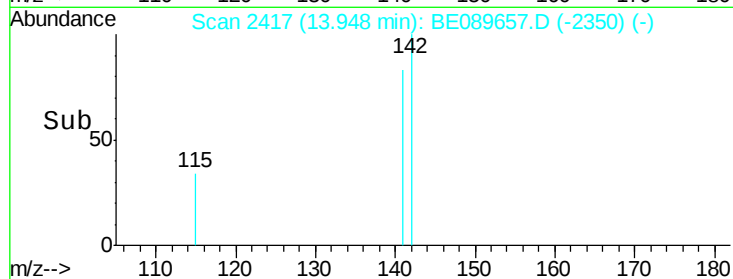
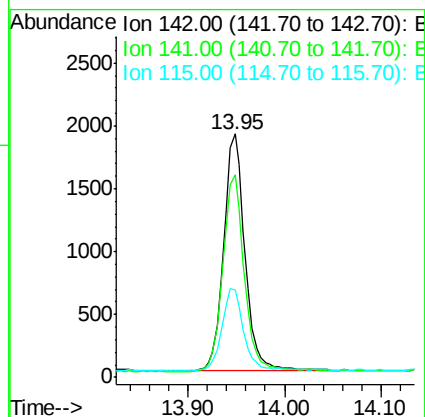
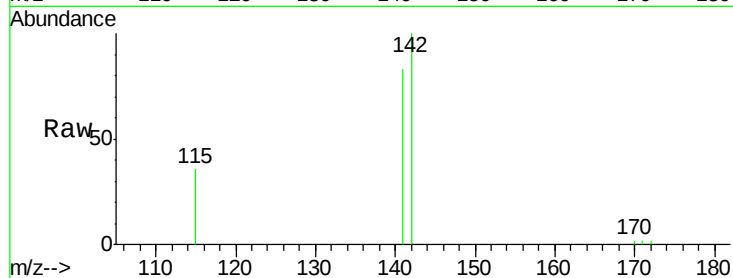
RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

Tgt Ion:	142	Resp:	2893
Ion	Ratio	Lower	Upper
142	100		
141	83.2	68.6	103.0
115	36.0	29.0	43.6



#8

Acenaphthene-d10

Concen: 5.00 ng

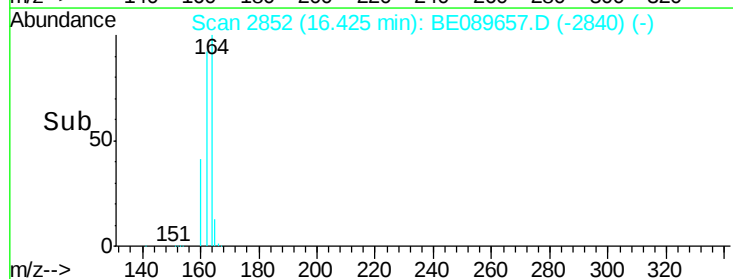
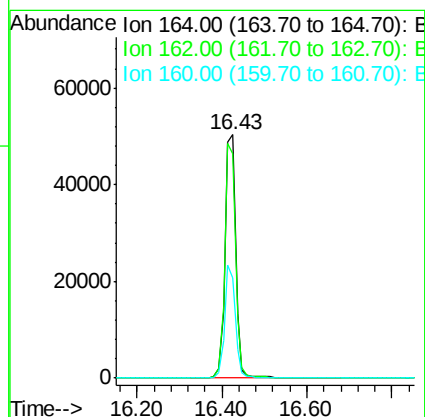
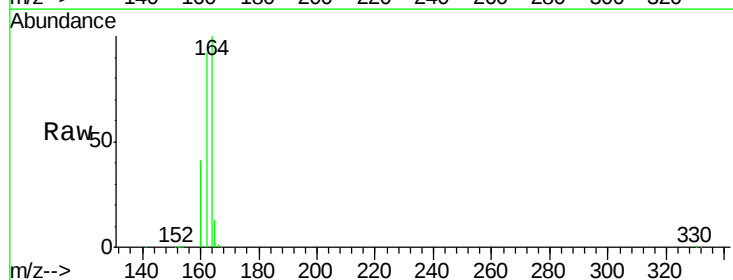
RT: 16.43 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

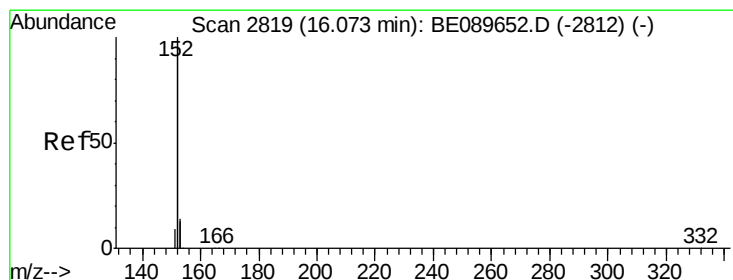
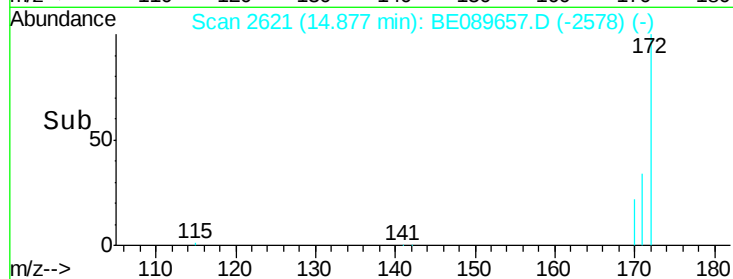
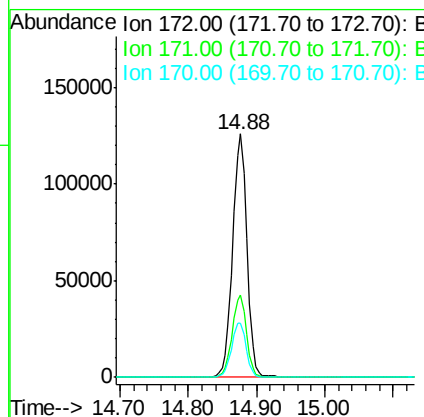
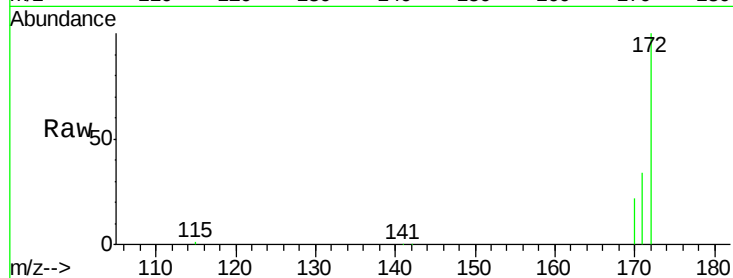
Tgt Ion:	164	Resp:	87620
Ion	Ratio	Lower	Upper
164	100		
162	92.4	75.4	113.2
160	41.4	33.7	50.5





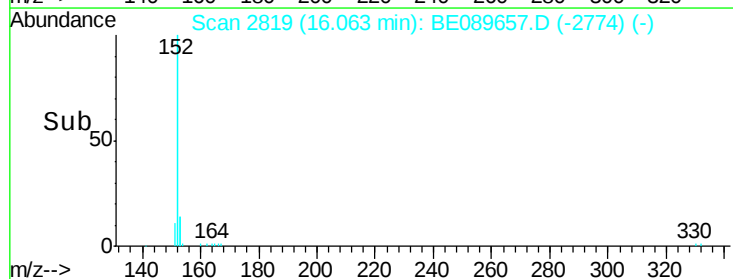
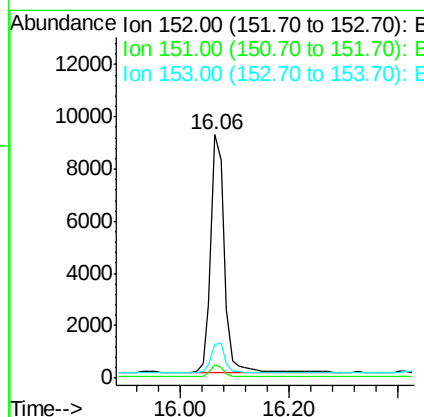
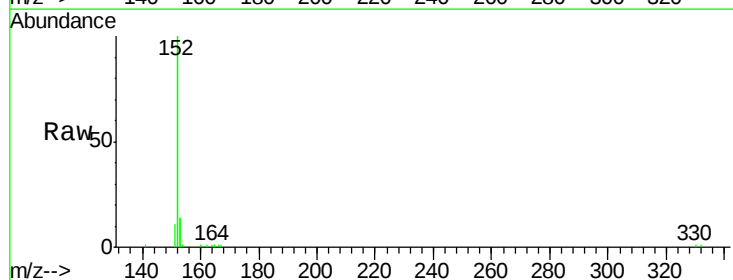
#9
 2-Fluorobiphenyl
 Concen: 9.32 ng
 RT: 14.88 min Scan# 2621
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

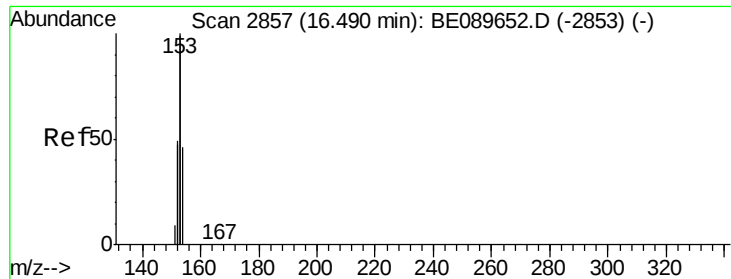
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.2	39.4
170	22.3	17.7	26.5



#10
 Acenaphthylene
 Concen: 0.12 ng
 RT: 16.06 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.6
153	12.8	10.4	15.6





#11

Acenaphthene

Concen: 0.14 ng

RT: 16.49 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

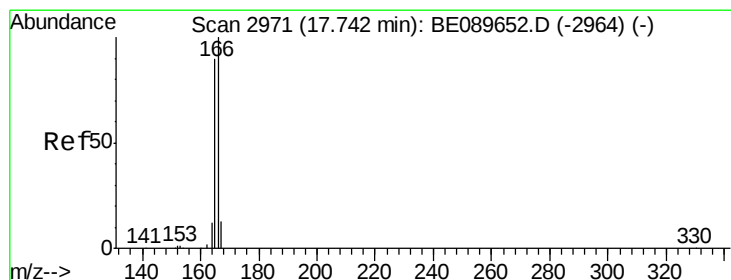
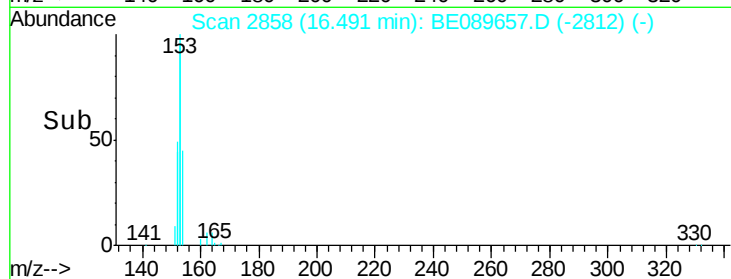
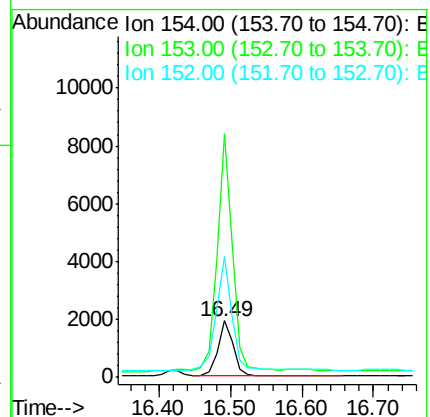
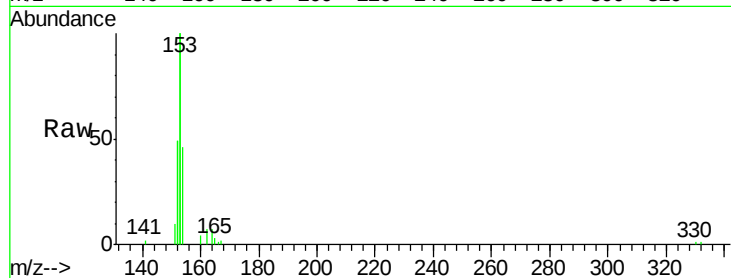
Tgt Ion:154 Resp: 2889

Ion Ratio Lower Upper

154 100

153 429.0 343.0 514.4

152 212.0 165.8 248.8



#12

Fluorene

Concen: 0.14 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

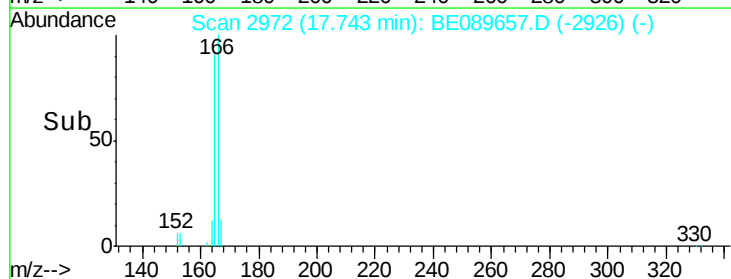
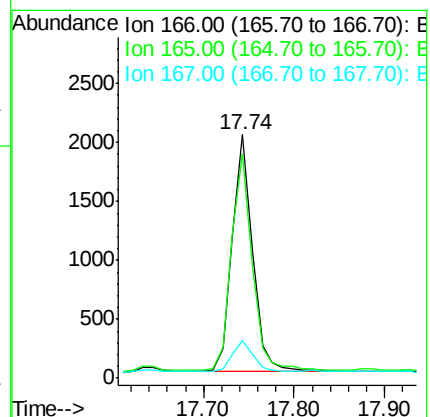
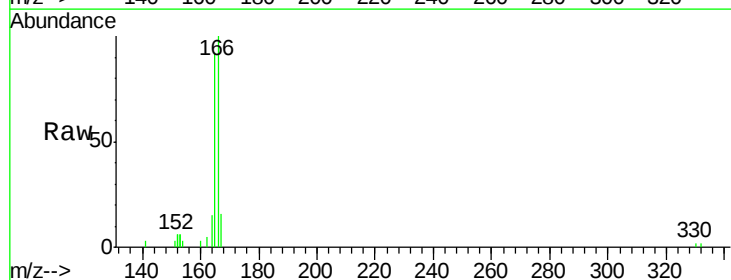
Tgt Ion:166 Resp: 3153

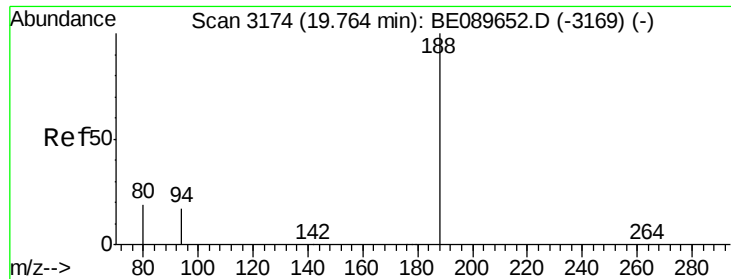
Ion Ratio Lower Upper

166 100

165 93.5 73.6 110.4

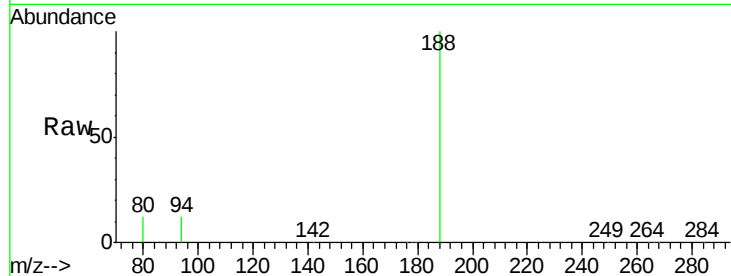
167 13.9 10.5 15.7





#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089657.D
Acq: 24 Feb 2015 2:04

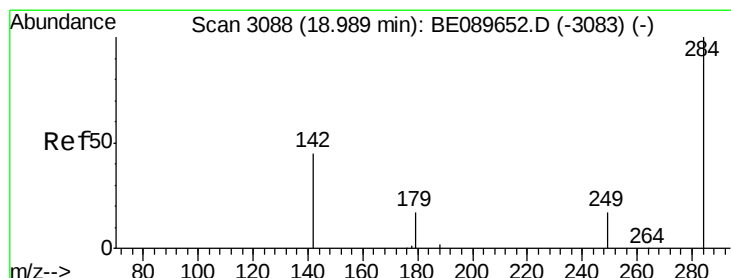
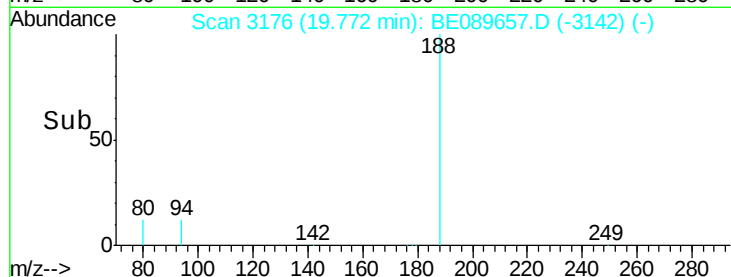
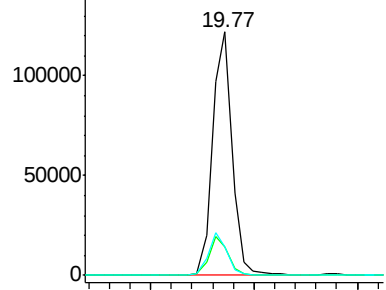
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	13.8	20.8#
80	11.8	15.0	22.6#



Abundance Ion 188.00 (187.70 to 188.70): E

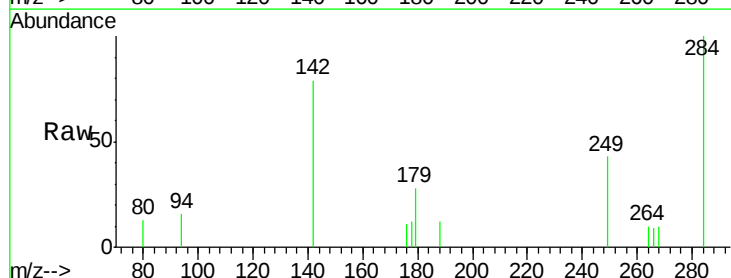
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14
Hexachlorobenzene
Concen: 0.15 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089657.D
Acq: 24 Feb 2015 2:04

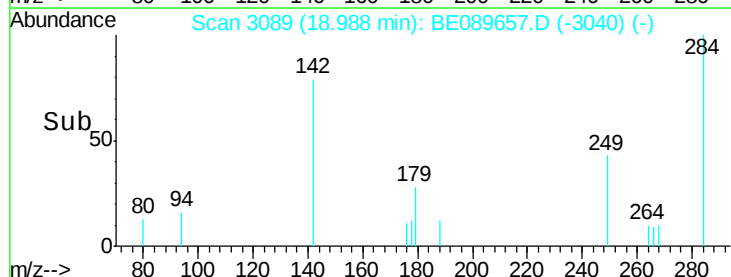
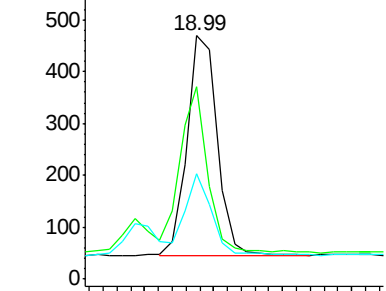
Tgt Ion	Ratio	Lower	Upper
284	100		
142	70.4	55.0	82.6
249	32.9	26.1	39.1

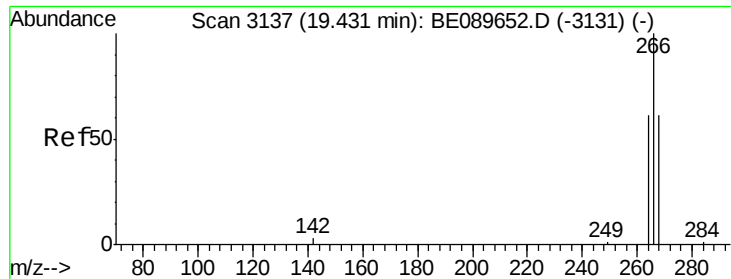


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

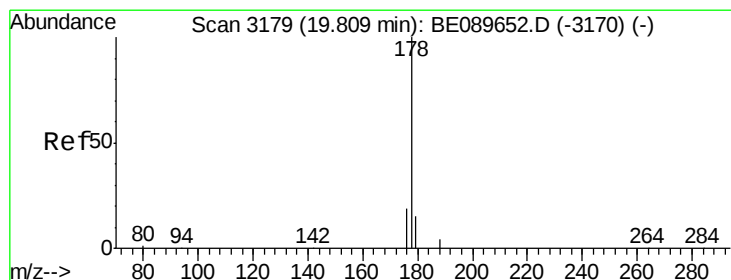
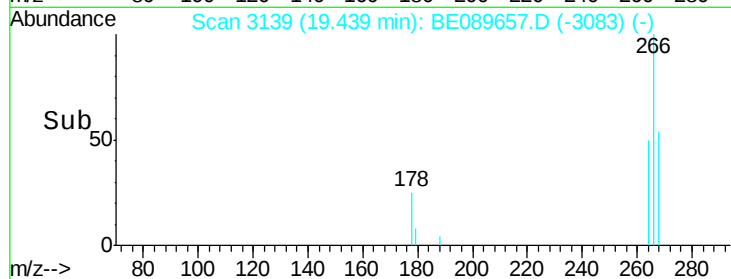
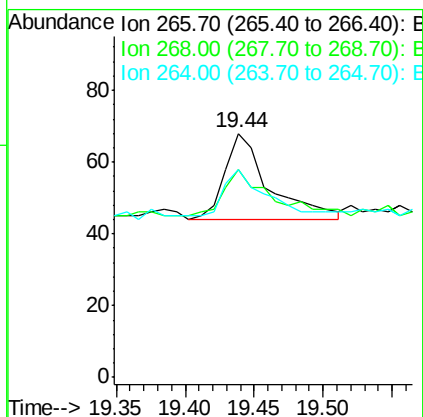
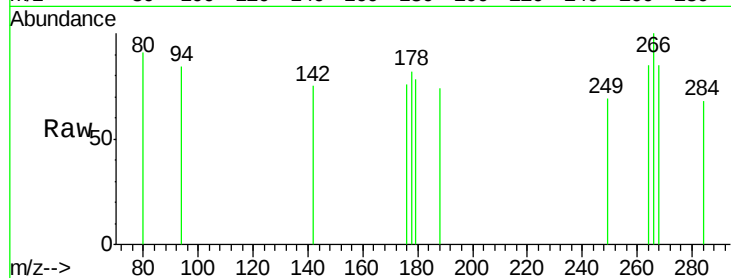
Ion 249.00 (248.70 to 249.70): E





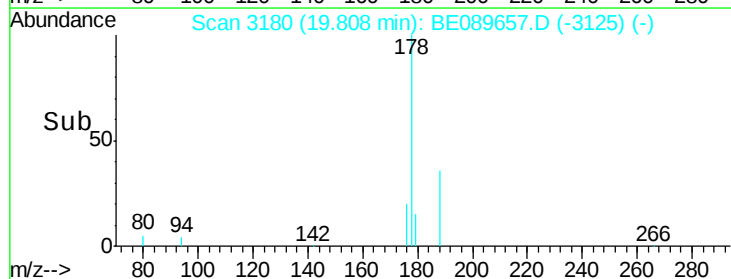
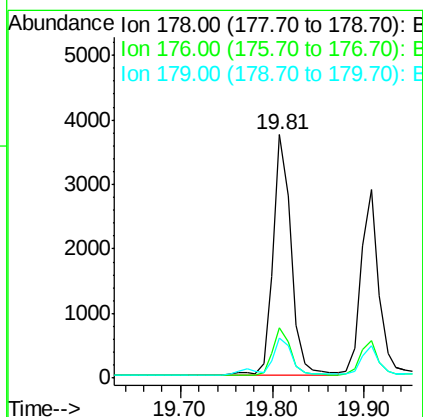
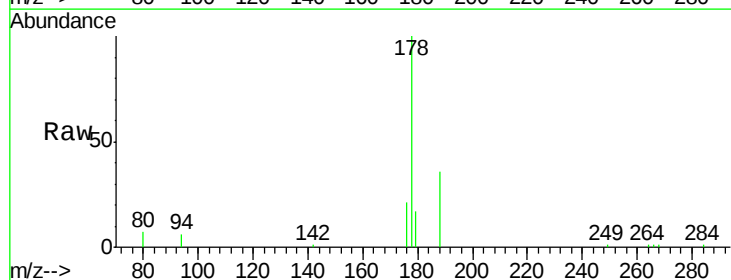
#15
 Pentachlorophenol
 Concen: 0.26 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

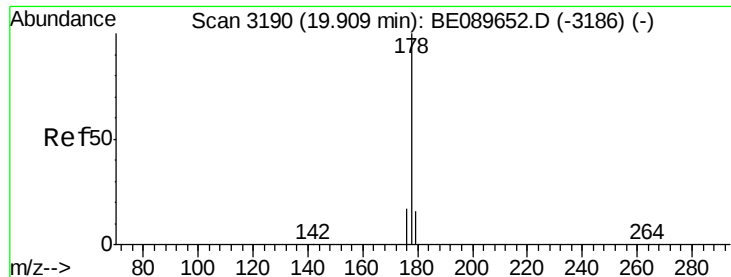
Tgt Ion: 266 Resp: 54
 Ion Ratio Lower Upper
 266 100
 268 85.3 54.7 82.1#
 264 85.3 55.4 83.0#



#16
 Phenanthrene
 Concen: 0.15 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

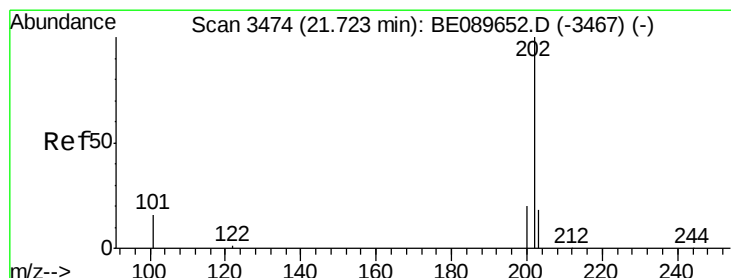
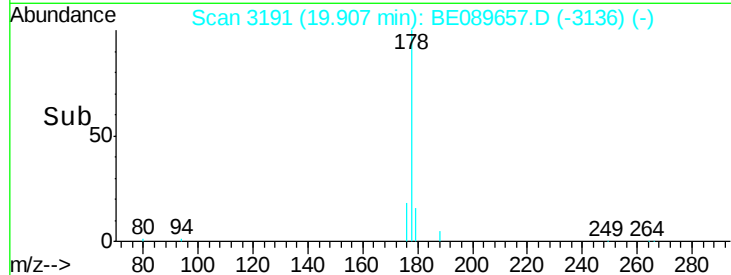
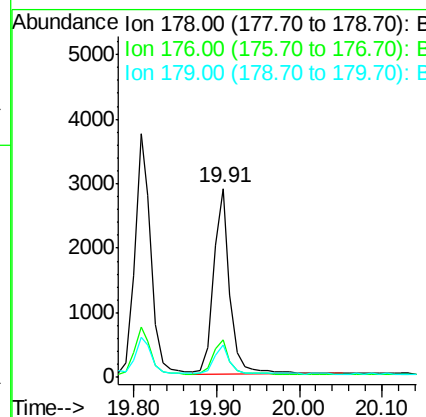
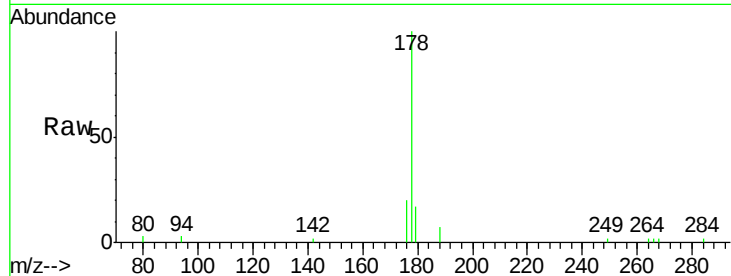
Tgt Ion: 178 Resp: 5118
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 17.2 12.3 18.5





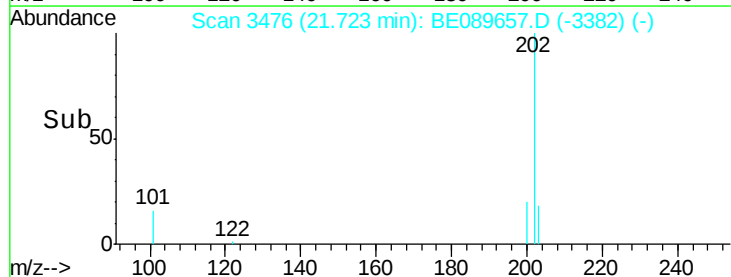
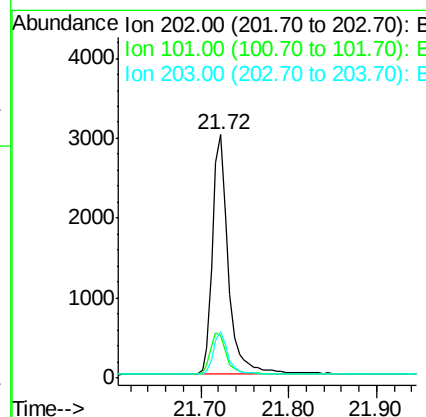
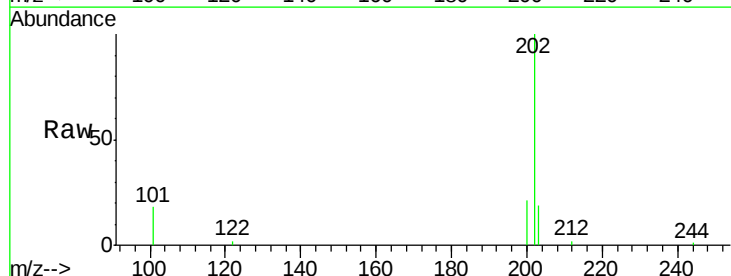
#17
 Anthracene
 Concen: 0.13 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

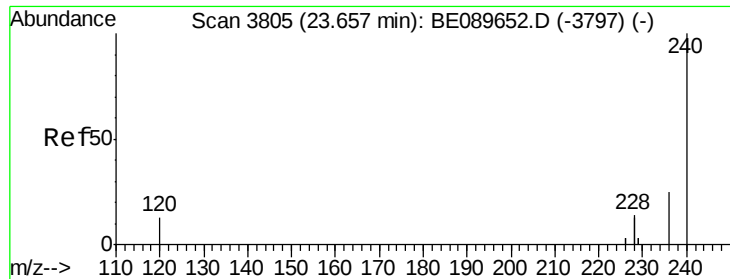
Tgt Ion:178 Resp: 3923
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 14.6 12.1 18.1



#18
 Fluoranthene
 Concen: 0.13 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

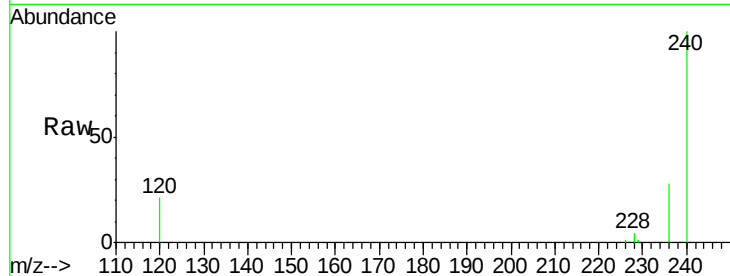
Tgt Ion:202 Resp: 3791
 Ion Ratio Lower Upper
 202 100
 101 18.3 14.9 22.3
 203 16.8 13.7 20.5



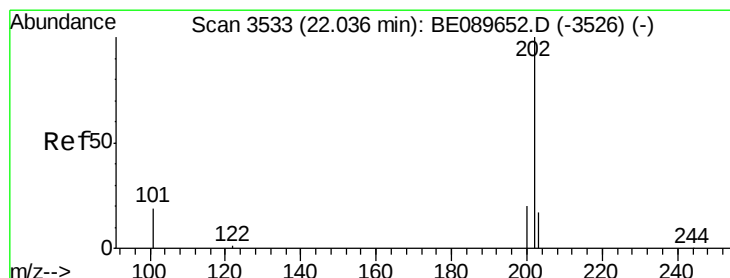
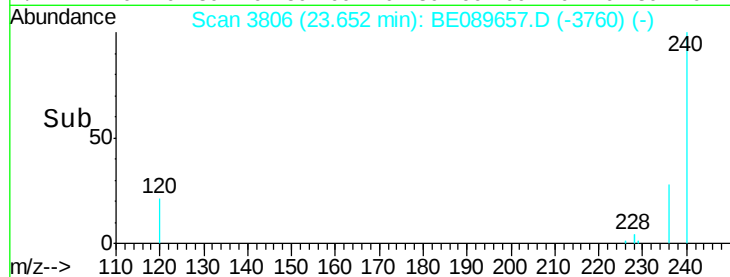
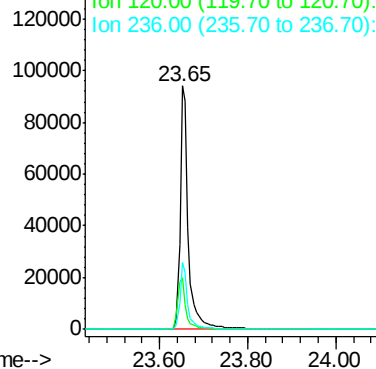


#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BE089657.D
Acq: 24 Feb 2015 2:04

Tgt Ion: 240 Resp: 123177
Ion Ratio Lower Upper
240 100
120 21.2 10.6 15.8#
236 27.7 20.3 30.5

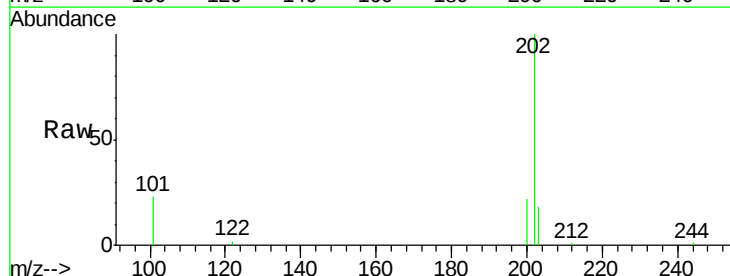


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

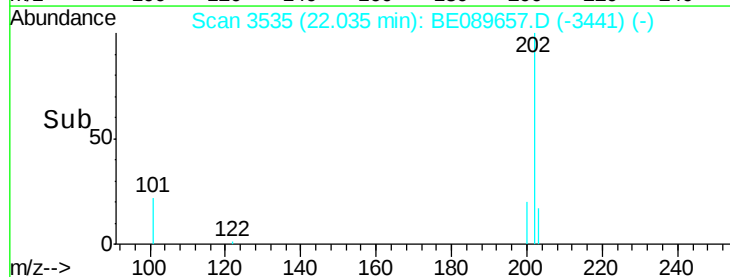
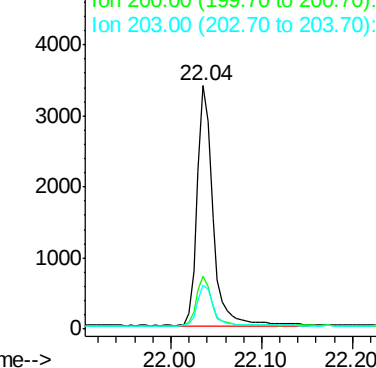


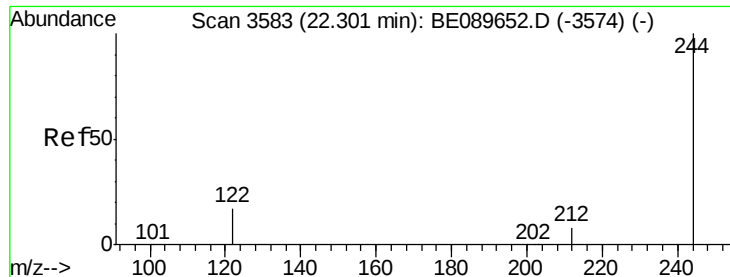
#20
Pyrene
Concen: 0.13 ng
RT: 22.04 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089657.D
Acq: 24 Feb 2015 2:04

Tgt Ion: 202 Resp: 4095
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 17.4 13.8 20.6



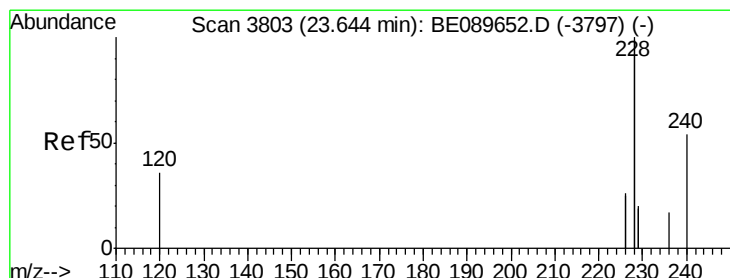
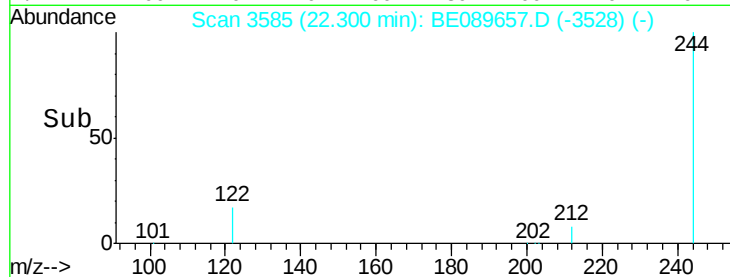
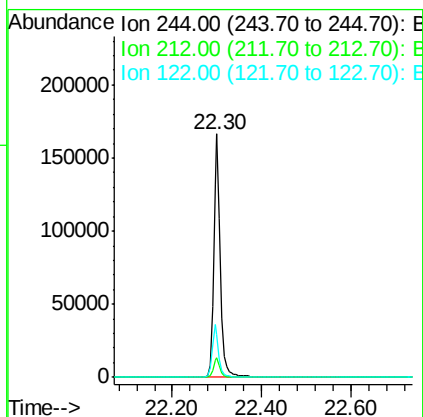
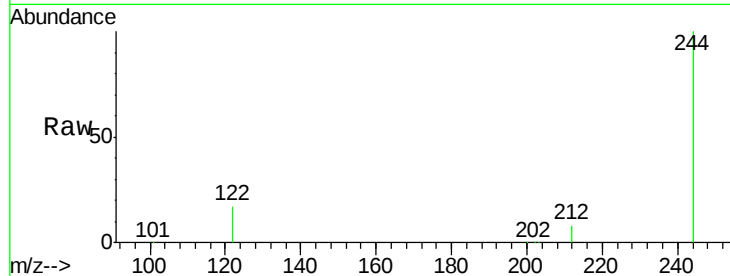
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





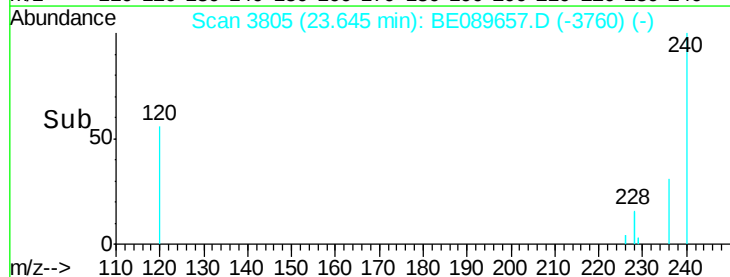
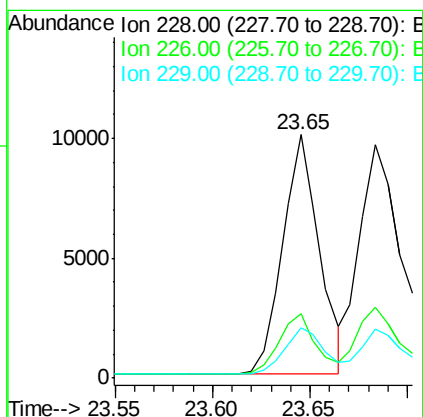
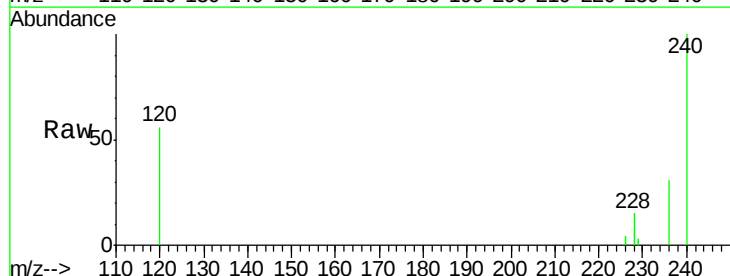
#21
 Terphenyl-d14
 Concen: 9.90 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 244 Resp: 174215
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 10.0
 122 17.3 13.7 20.5



#22
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.65 min Scan# 3805
 Delta R.T. 0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 228 Resp: 13022
 Ion Ratio Lower Upper
 228 100
 226 26.6 20.9 31.3
 229 20.7 15.8 23.6





#23

Chrysene

Concen: 0.16 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

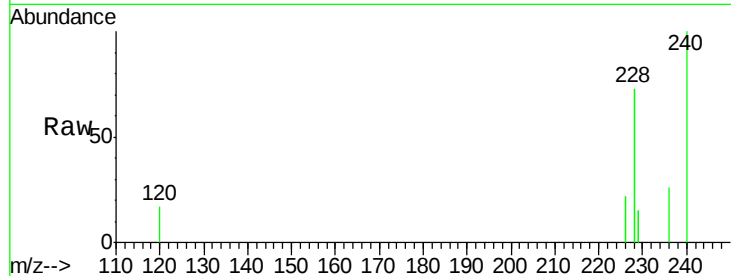
Tgt Ion: 228 Resp: 18448

Ion Ratio Lower Upper

228 100

226 30.1 22.0 33.0

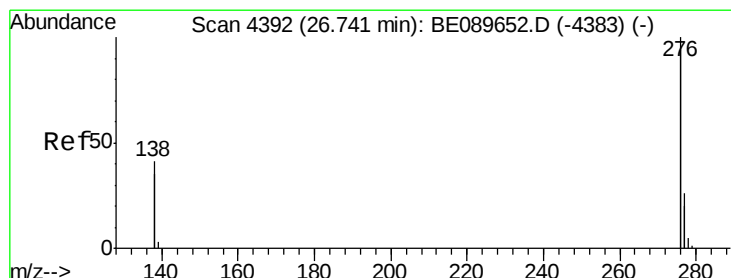
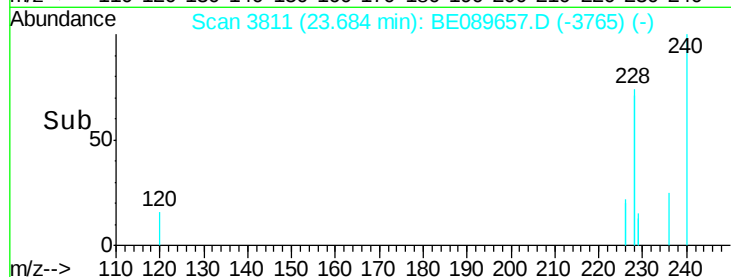
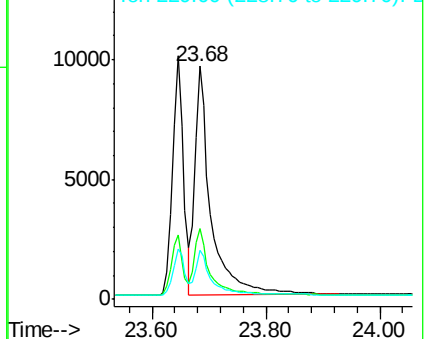
229 20.8 16.6 24.8



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: 0.40 ng

RT: 26.74 min Scan# 4393

Delta R.T. -0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

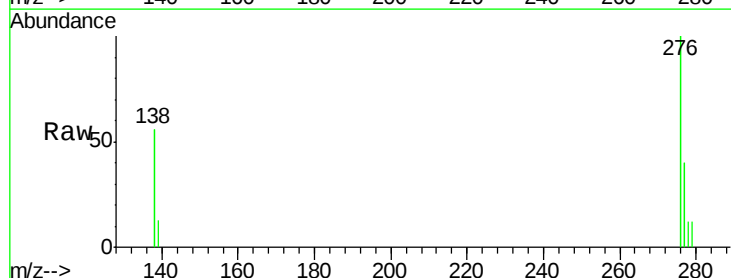
Tgt Ion: 276 Resp: 3334

Ion Ratio Lower Upper

276 100

138 41.5 36.2 54.4

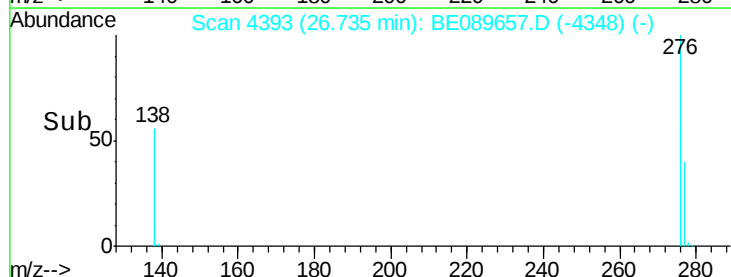
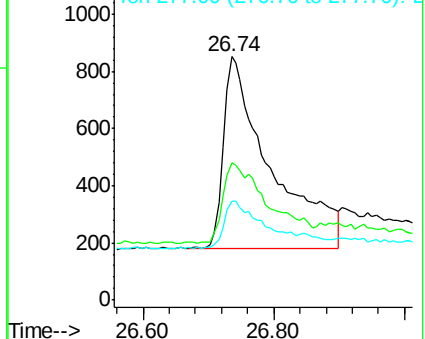
277 21.5 5.4 8.2#

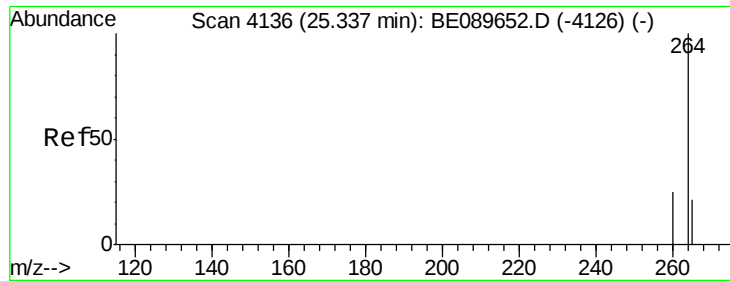


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

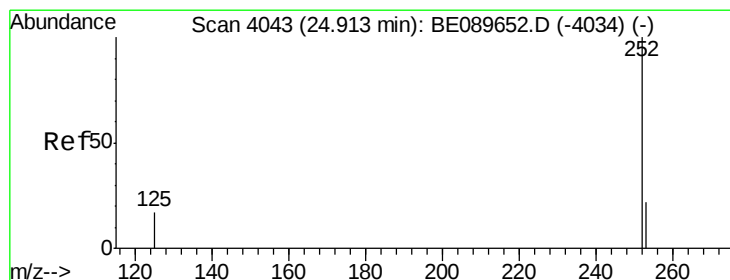
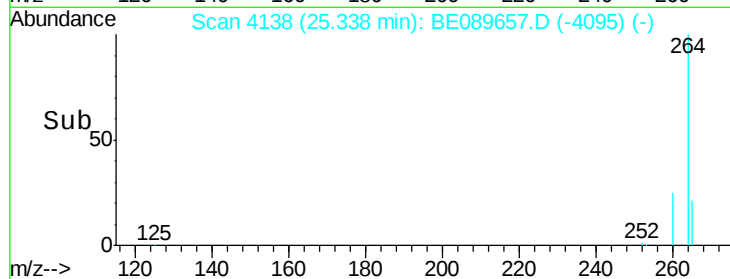
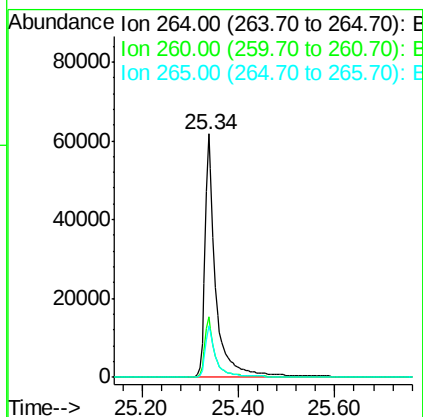
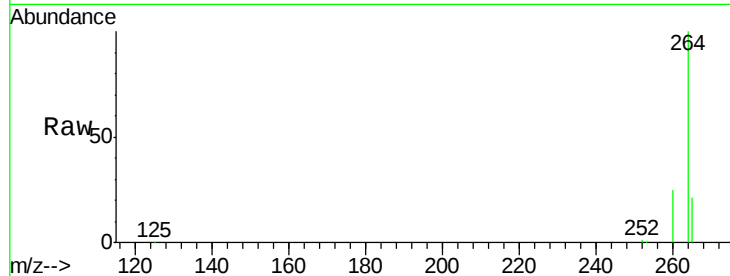
Ion 277.00 (276.70 to 277.70): E





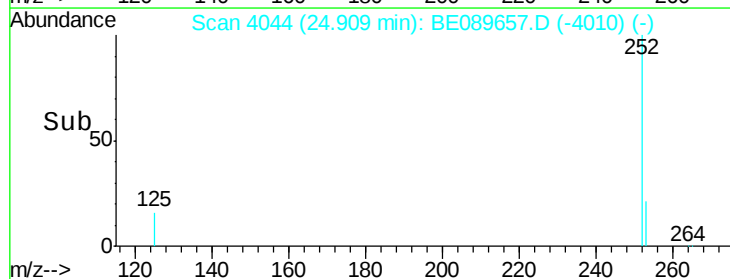
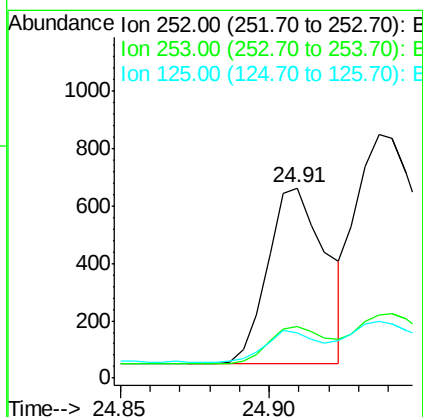
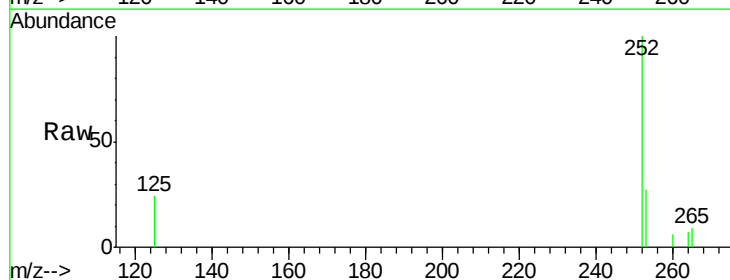
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

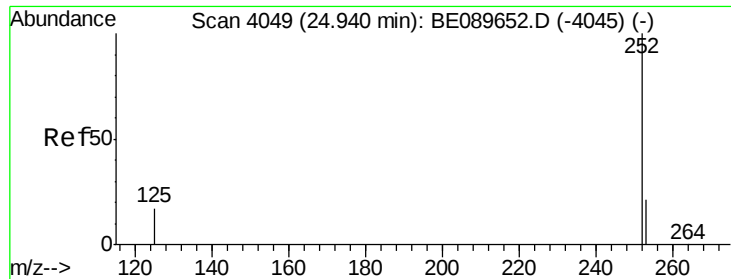
Tgt Ion: 264 Resp: 96844
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.0 30.0
 265 21.3 16.8 25.2



#26
 Benzo(b)fluoranthene
 Concen: 0.42 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: BE089657.D
 Acq: 24 Feb 2015 2:04

Tgt Ion: 252 Resp: 833
 Ion Ratio Lower Upper
 252 100
 253 27.5 18.3 27.5#
 125 23.9 14.6 22.0#





#27

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 24.94 min Scan# 4050

Delta R.T. -0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

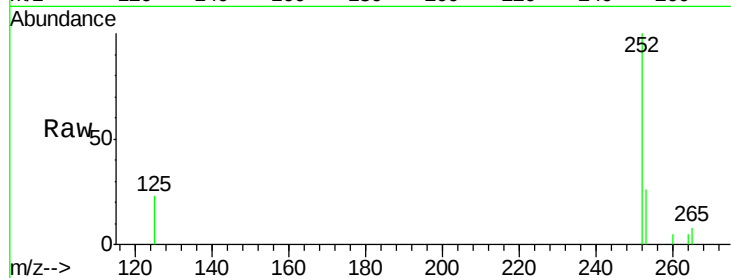
Tgt Ion: 252 Resp: 1948

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.8

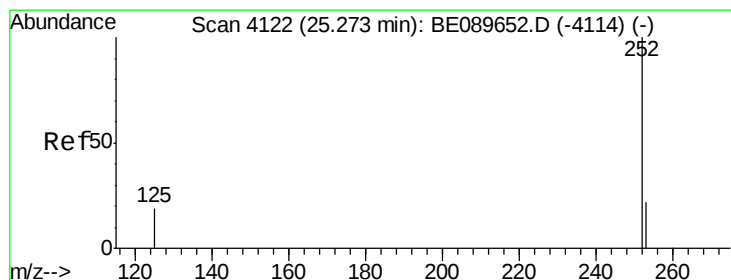
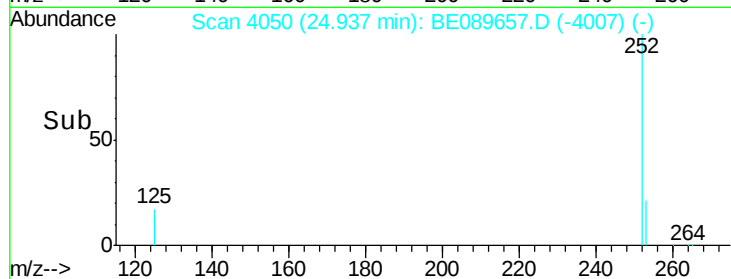
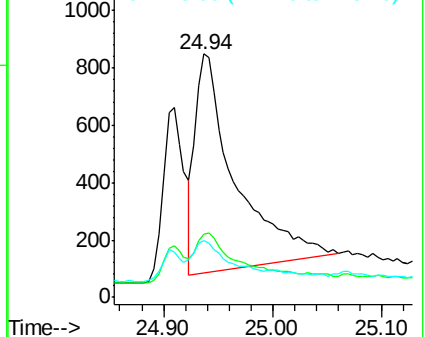
125 23.2 14.3 21.5#



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# 4123

Delta R.T. -0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

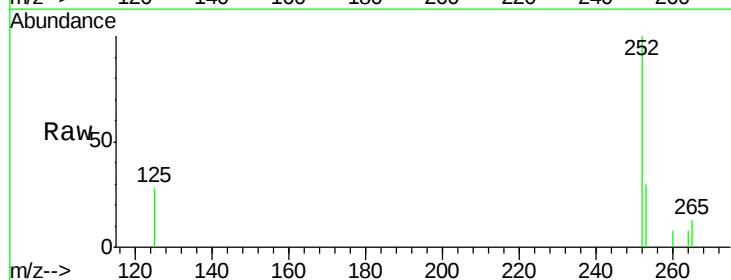
Tgt Ion: 252 Resp: 938

Ion Ratio Lower Upper

252 100

253 29.7 18.4 27.6#

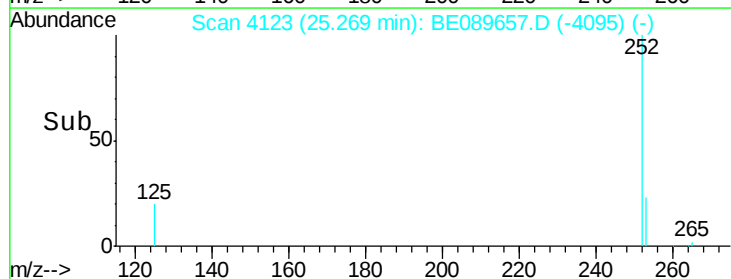
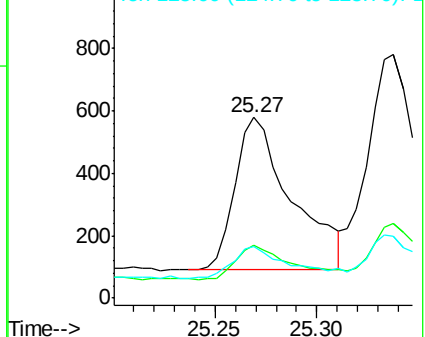
125 28.4 15.9 23.9#

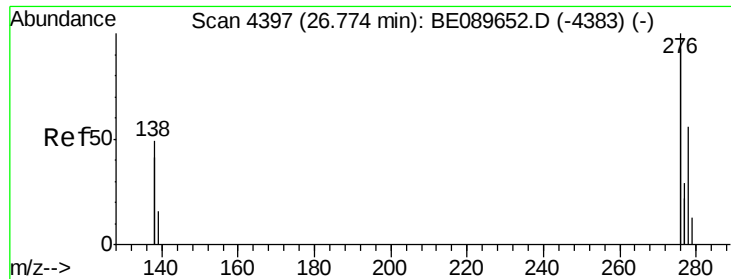


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.00 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

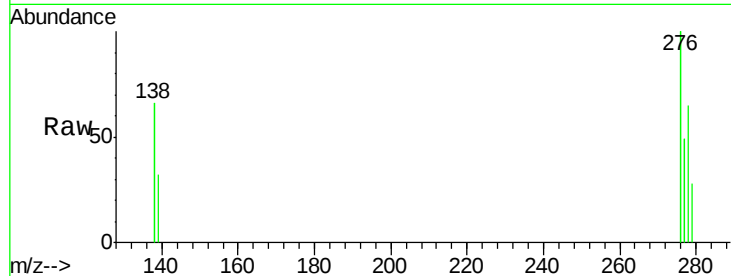
Tgt Ion: 278 Resp: 477

Ion Ratio Lower Upper

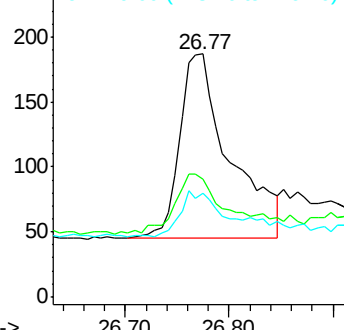
278 100

139 48.7 25.4 38.2#

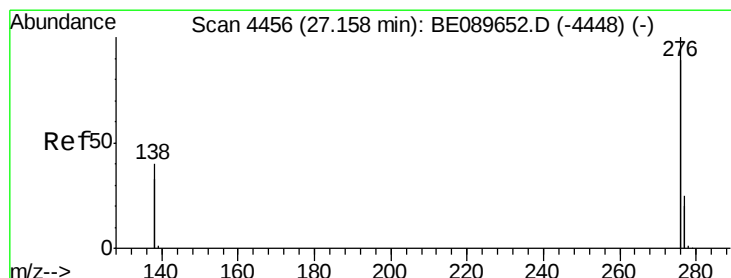
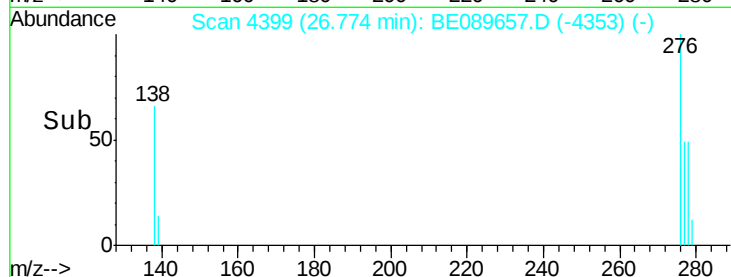
279 42.8 20.0 30.0#



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



Time-->



#30

Benzo(g,h,i)perylene

Concen: 0.28 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089657.D

Acq: 24 Feb 2015 2:04

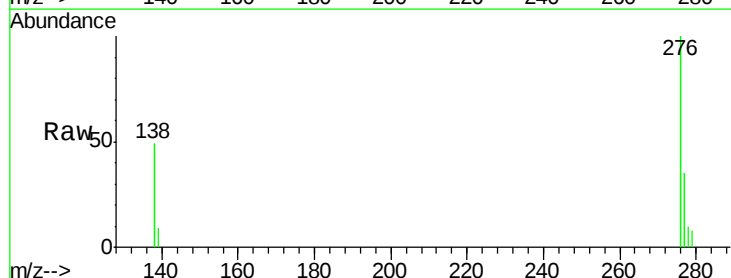
Tgt Ion: 276 Resp: 4702

Ion Ratio Lower Upper

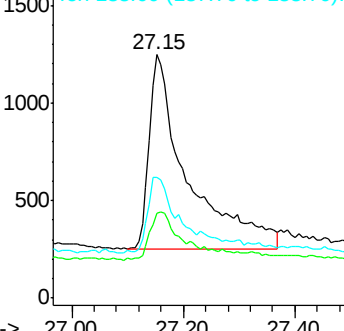
276 100

277 34.9 20.2 30.2#

138 49.4 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



Time-->

