

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001049.D
 Acq On : 18 Apr 2015 07:26
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 20 08:15:30 2015

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 20 08:05:22 2015

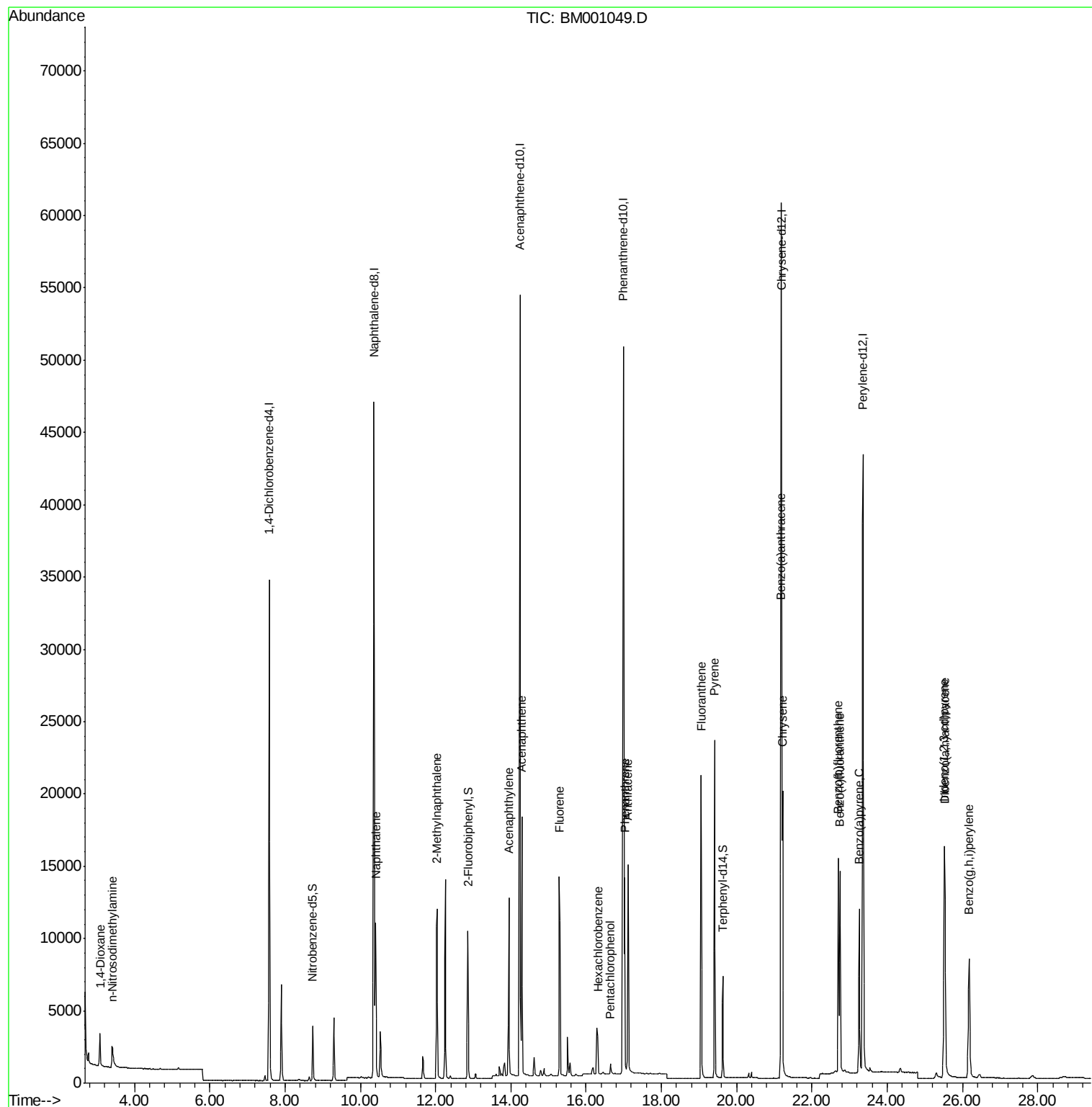
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	17572	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	62550	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	33191	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	73366	5.00	ng	0.00
19) Chrysene-d12	21.19	240	62711	5.00	ng	0.00
25) Perylene-d12	23.36	264	55791	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	3337	1.02	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10739	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	8163	0.98	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	2541	1.28	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1775	0.96	ng	96
6) Naphthalene	10.41	128	14673	0.98	ng	99
7) 2-Methylnaphthalene	12.04	142	9523	0.99	ng	99
10) Acenaphthylene	13.95	152	14502	0.99	ng	100
11) Acenaphthene	14.29	154	9596	0.93	ng	99
12) Fluorene	15.29	166	11770	1.00	ng	100
14) Hexachlorobenzene	16.31	284	3933	0.97	ng	# 100
15) Pentachlorophenol	16.64	266	777	0.80	ng	96
16) Phenanthrene	17.03	178	18715	0.96	ng	100
17) Anthracene	17.11	178	17613	0.98	ng	100
18) Fluoranthene	19.05	202	19891	0.98	ng	100
20) Pyrene	19.42	202	20704	1.00	ng	100
22) Benzo(a)anthracene	21.17	228	17662	0.97	ng	99
23) Chrysene	21.22	228	18765	0.98	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	19333	0.99	ng	100
26) Benzo(b)fluoranthene	22.70	252	17850	1.00	ng	99
27) Benzo(k)fluoranthene	22.74	252	17487	1.02	ng	99
28) Benzo(a)pyrene	23.25	252	15337	1.00	ng	99
29) Dibenzo(a,h)anthracene	25.53	278	15226	1.00	ng	100
30) Benzo(g,h,i)perylene	26.17	276	16224	0.99	ng	99

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001049.D
Acq On : 18 Apr 2015 07:26
Operator : TP/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 22 Sample Multiplier: 1

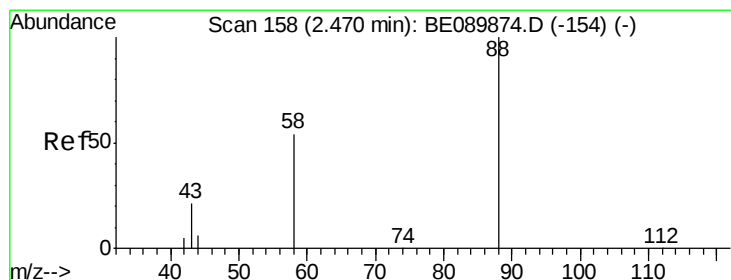
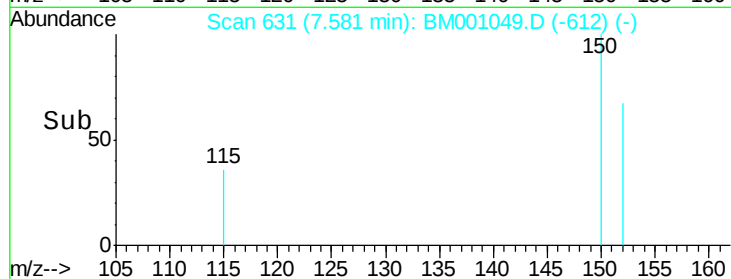
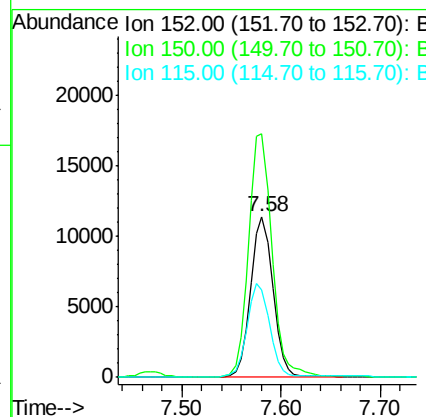
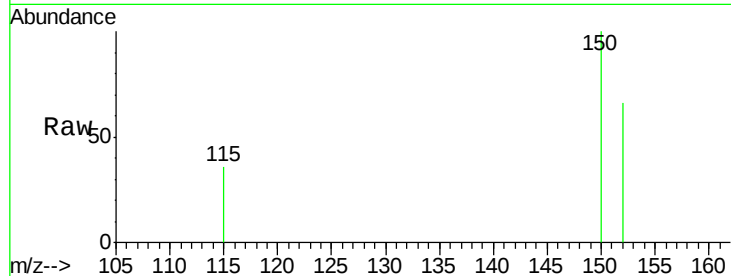
Quant Time: Apr 20 08:15:30 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 08:05:22 2015
Response via : Initial Calibration





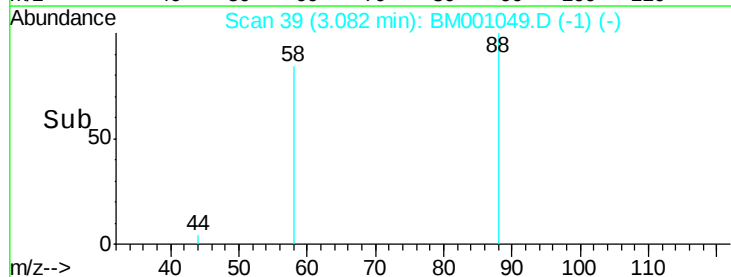
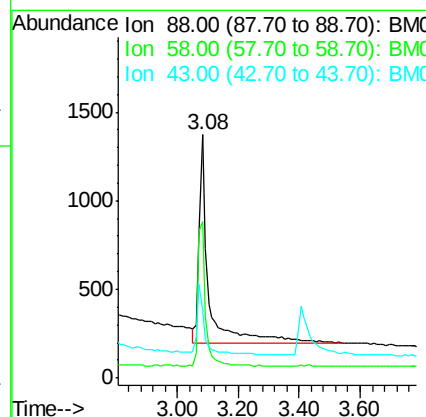
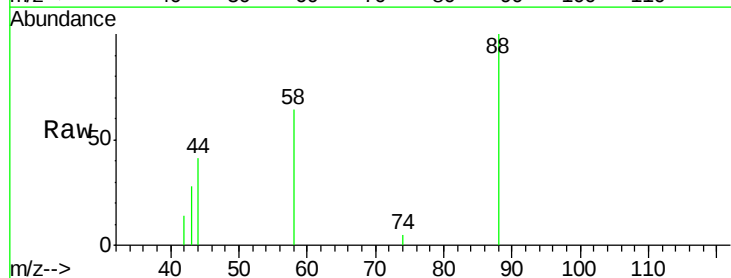
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

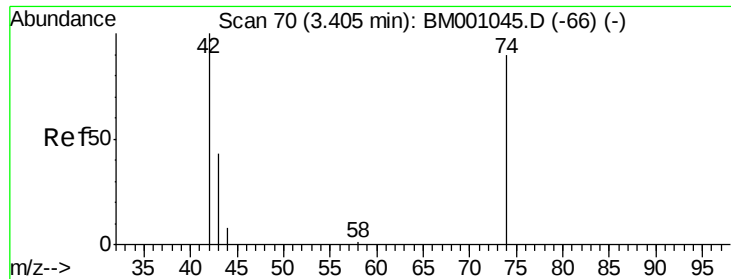
Tot Ion: 152 Resp: 17572
 Ion Ratio Lower Upper
 152 100
 150 151.8 123.3 184.9
 115 54.3 45.0 67.6



#2
 1,4-Dioxane
 Concen: 1.28 ng
 RT: 3.08 min Scan# 39
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion: 88 Resp: 2541
 Ion Ratio Lower Upper
 88 100
 58 54.7 0.0 0.0#
 43 22.9 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

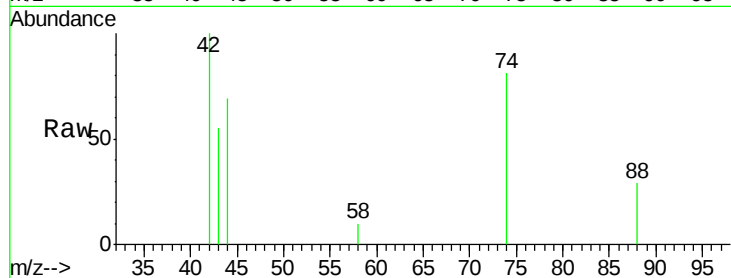
Tot Ion: 42 Resp: 1775

Ion Ratio Lower Upper

42 100

74 119.5 92.1 138.1

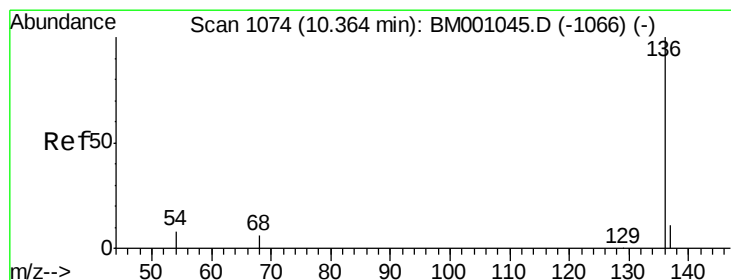
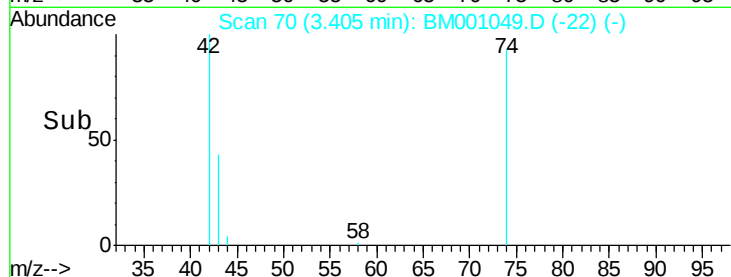
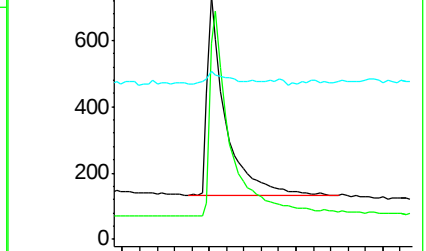
44 7.4 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001049.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001049.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001049.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

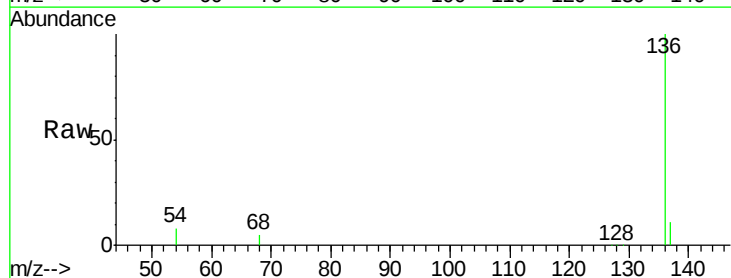
Tgt Ion: 136 Resp: 62550

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

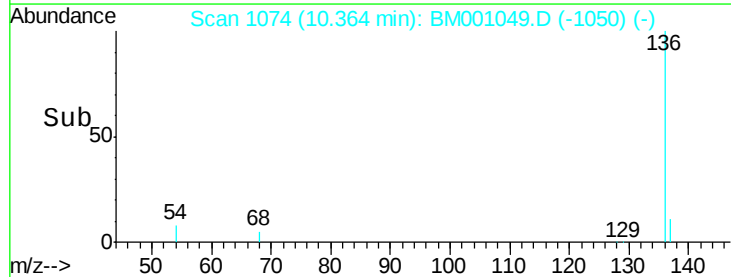
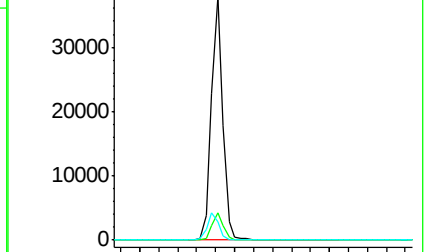
54 7.7 6.5 9.7

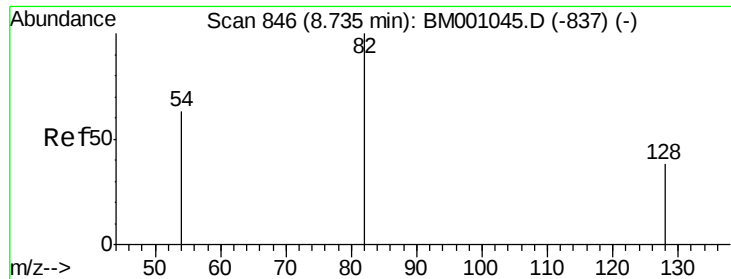


Abundance Ion 136.00 (135.70 to 136.70): BM001049.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001049.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001049.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 1.02 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

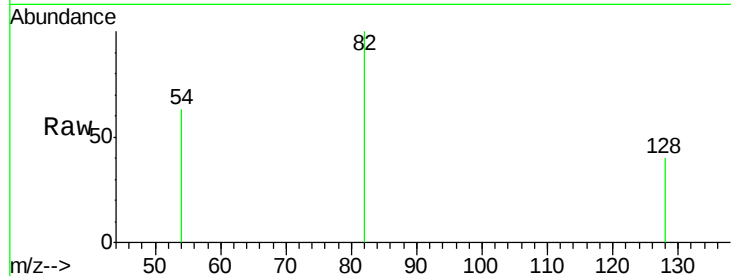
Tot Ion: 82 Resp: 3337

Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.9	47.9
54	63.0	51.3	76.9

82 100

128 40.3 31.9 47.9

54 63.0 51.3 76.9

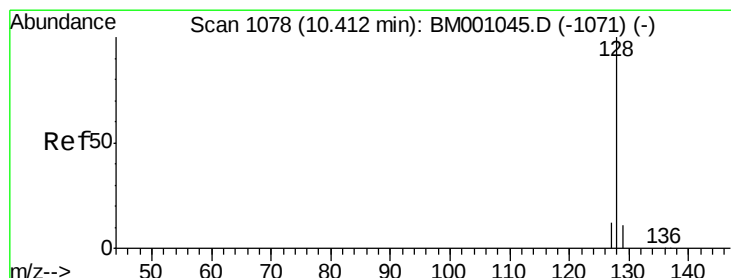
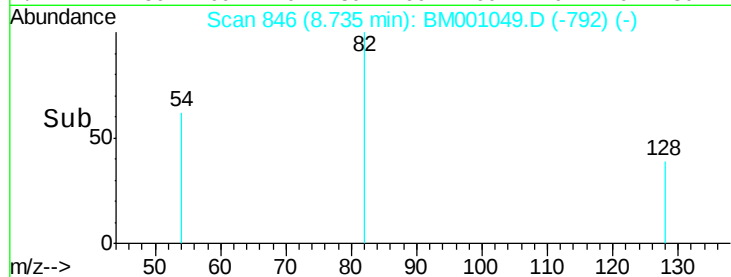
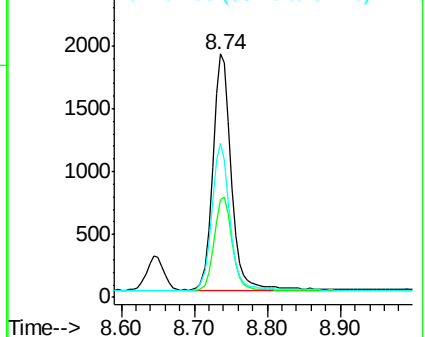


Abundance

Ion 82.00 (81.70 to 82.70): BM001049.D (-792) (-)

Ion 128.00 (127.70 to 128.70): BM001049.D (-792) (-)

Ion 54.00 (53.70 to 54.70): BM001049.D (-792) (-)



#6

Naphthalene

Concen: 0.98 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

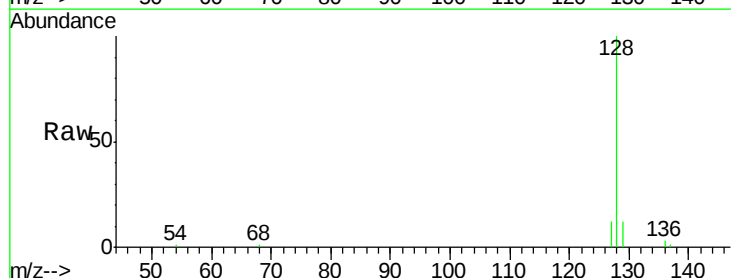
Tgt Ion: 128 Resp: 14673

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	12.1	10.0	15.0

128 100

129 11.7 9.3 13.9

127 12.1 10.0 15.0

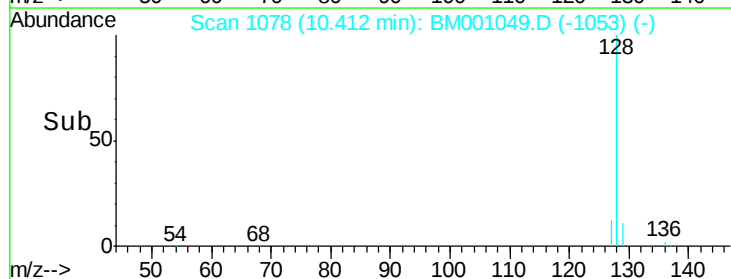
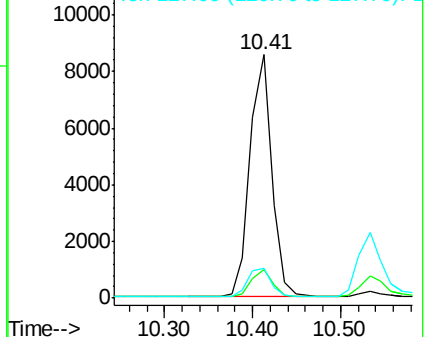


Abundance

Ion 128.00 (127.70 to 128.70): BM001049.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001049.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001049.D (-1053) (-)





#7

2-Methylnaphthalene

Concen: 0.99 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

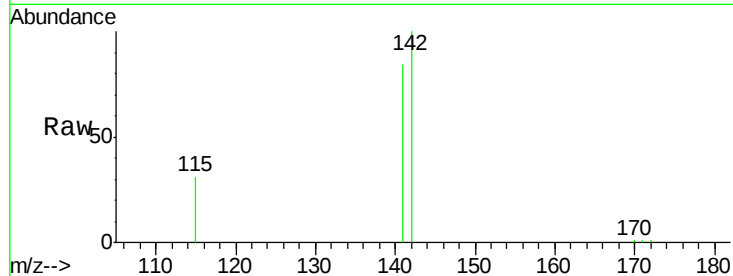
Tot Ion:142 Resp: 9523

Ion Ratio Lower Upper

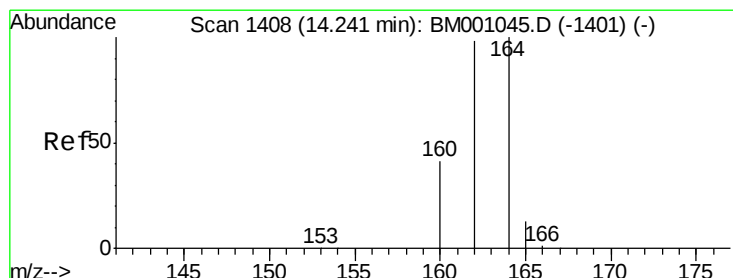
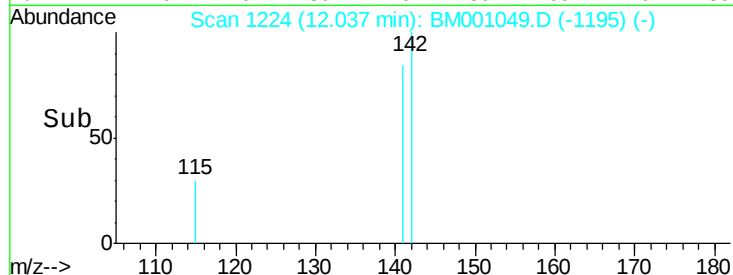
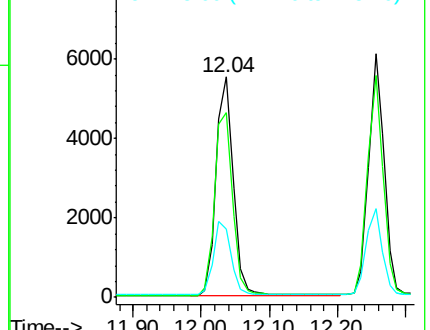
142 100

141 84.0 66.7 100.1

115 31.2 25.5 38.3



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: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

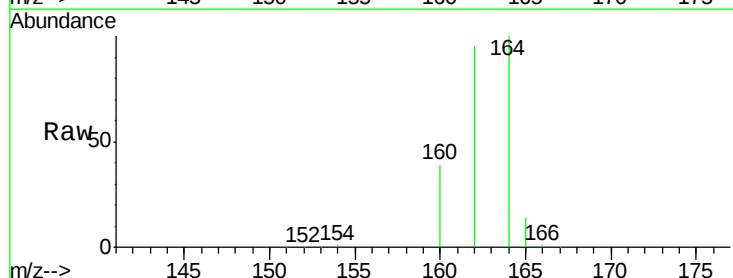
Tgt Ion:164 Resp: 33191

Ion Ratio Lower Upper

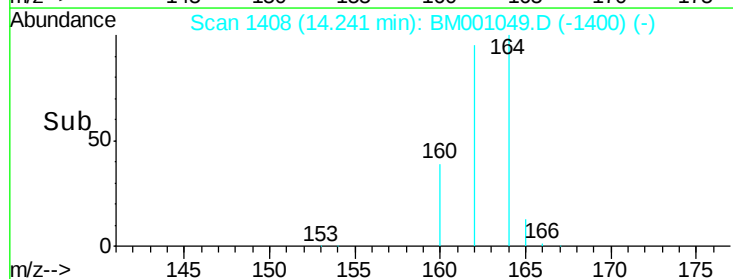
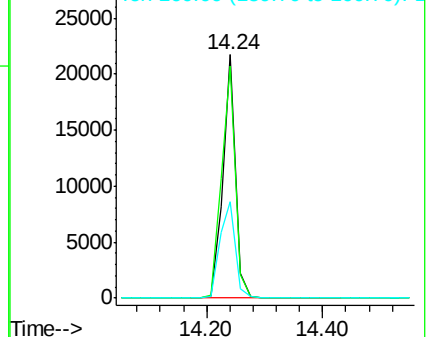
164 100

162 95.3 78.5 117.7

160 39.4 32.9 49.3



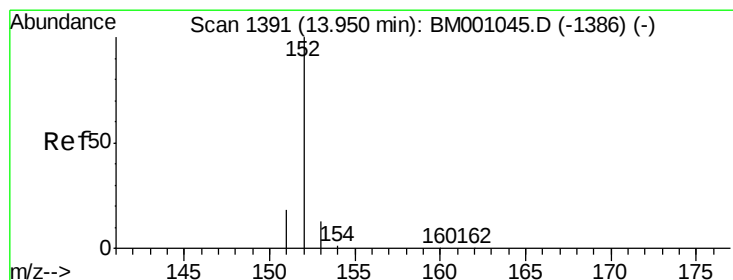
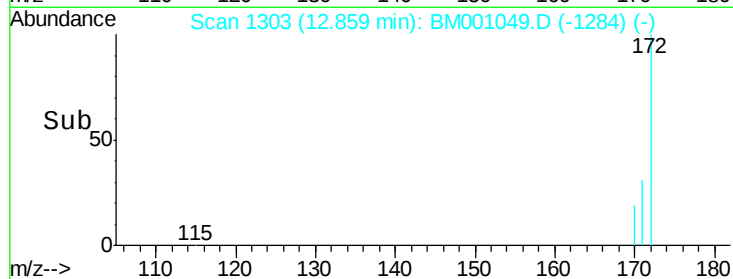
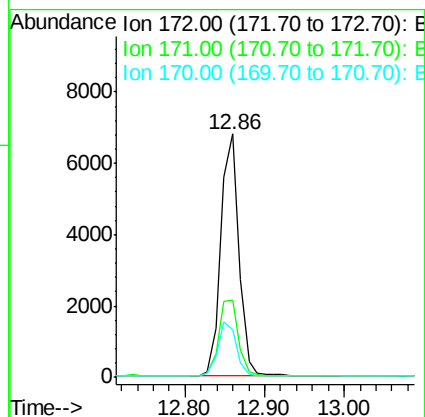
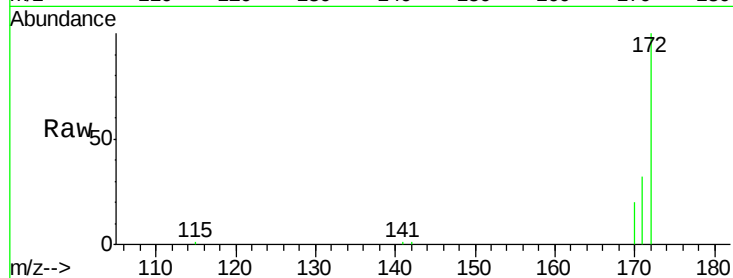
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





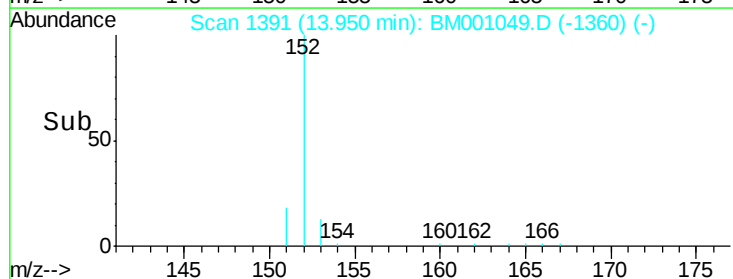
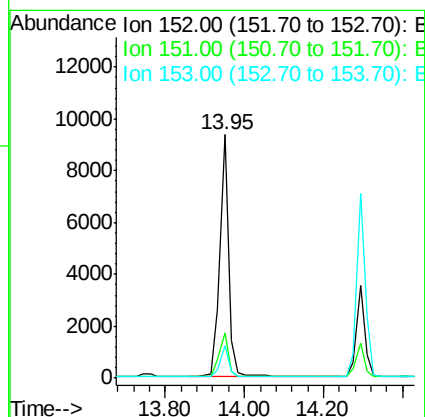
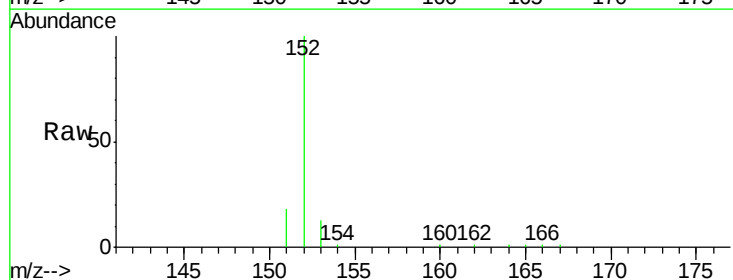
#9
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

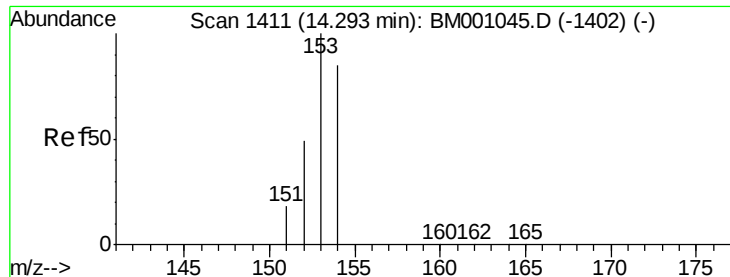
Tot Ion:172 Resp: 10739
Ion Ratio Lower Upper
172 100
171 31.9 25.6 38.4
170 19.6 15.8 23.6



#10
Acenaphthylene
Concen: 0.99 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion:152 Resp: 14502
Ion Ratio Lower Upper
152 100
151 18.7 14.7 22.1
153 12.7 10.2 15.2





#11

Acenaphthene

Concen: 0.93 ng

RT: 14.29 min Scan# 1411

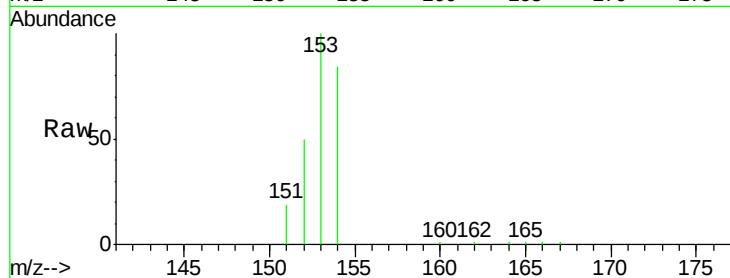
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tot Ion:154 Resp: 9596

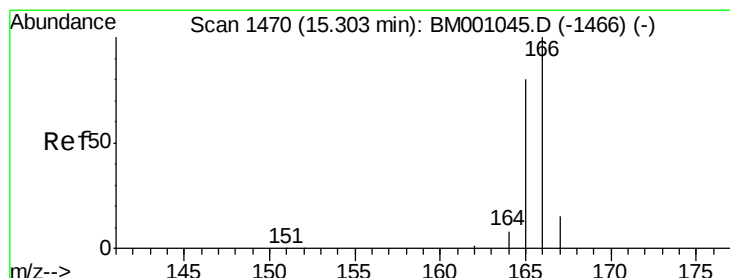
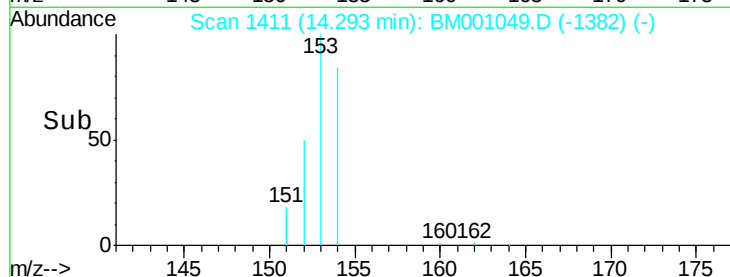
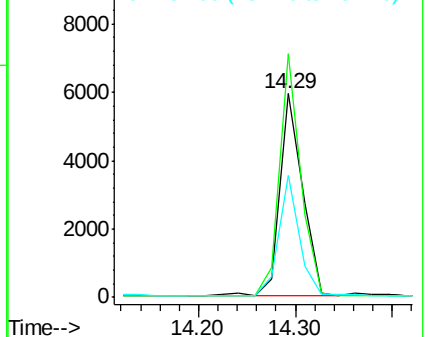
Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.1	132.1
152	54.0	42.3	63.5



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: 1.00 ng

RT: 15.29 min Scan# 1469

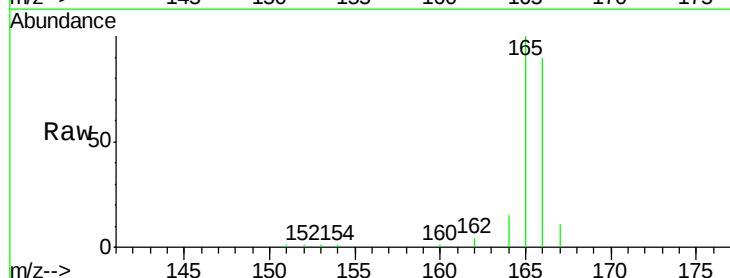
Delta R.T. -0.02 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:166 Resp: 11770

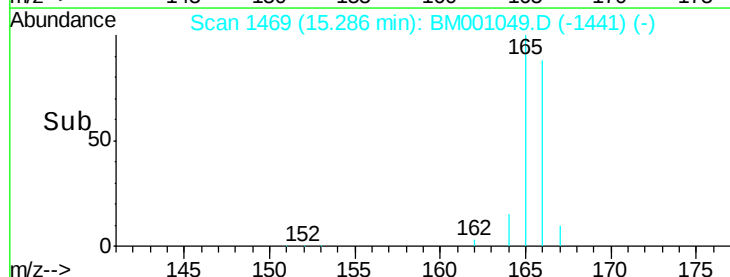
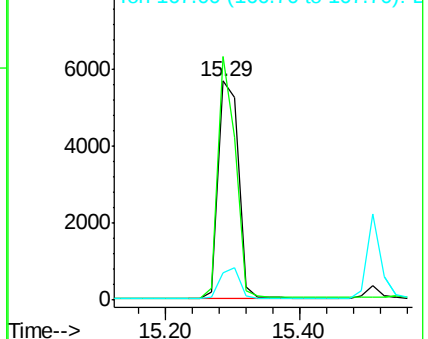
Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.6	116.4
167	13.4	10.6	16.0

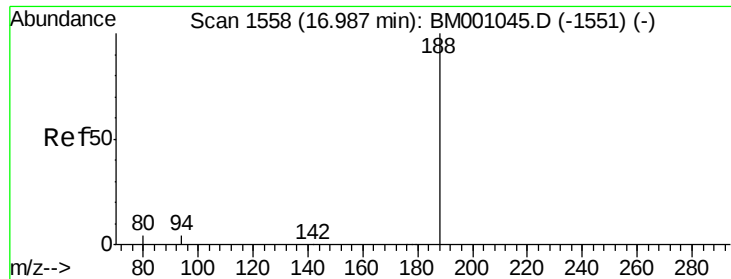


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

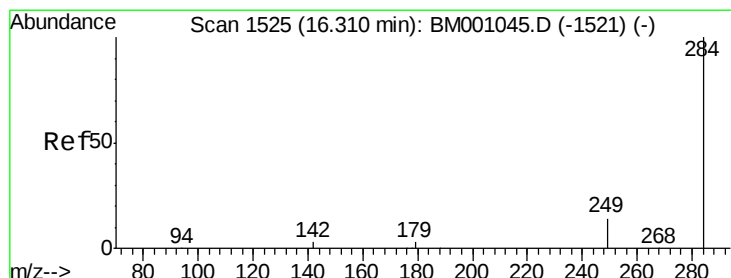
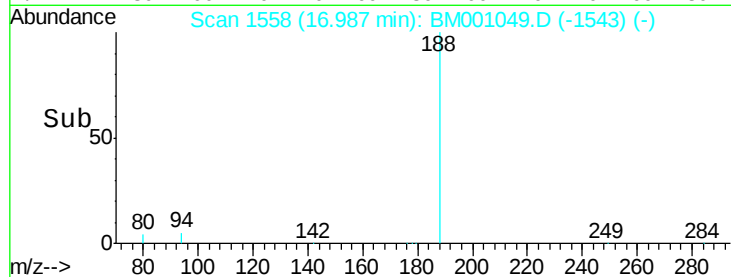
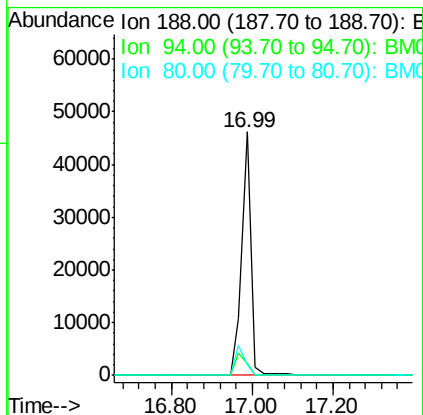
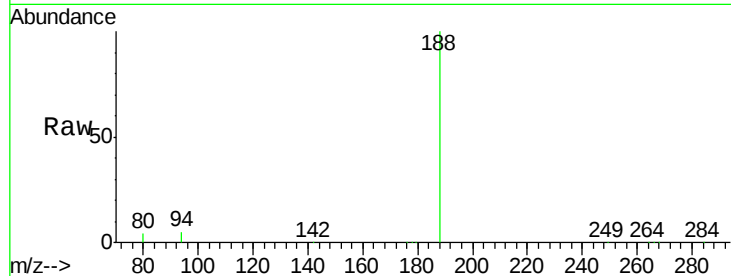
Ion 167.00 (166.70 to 167.70): E





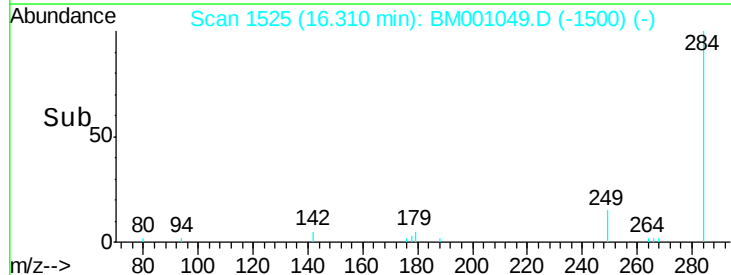
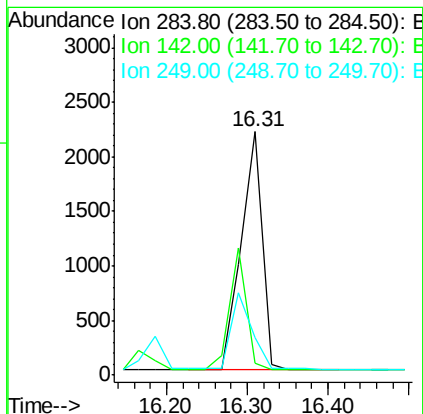
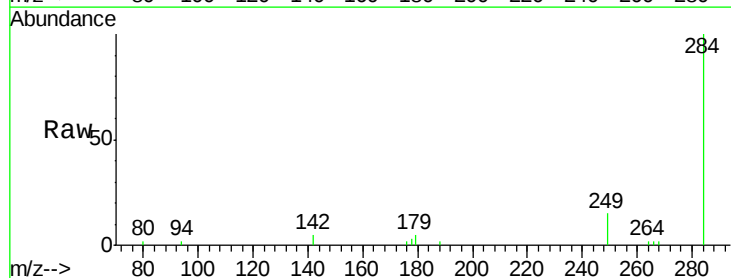
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tot Ion	Ratio	Lower	Upper
188	100		
94	4.8	3.6	5.4
80	4.2	3.0	4.6



#14
Hexachlorobenzene
Concen: 0.97 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

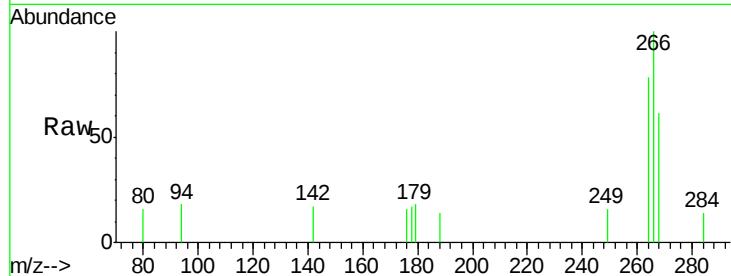
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



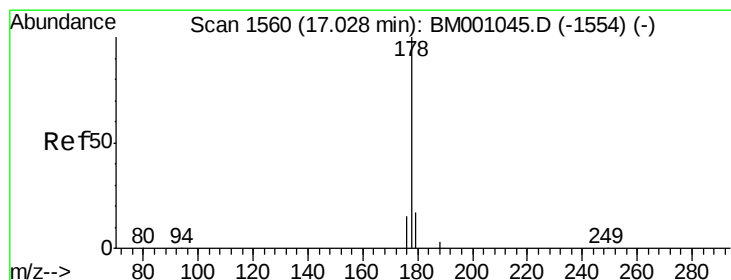
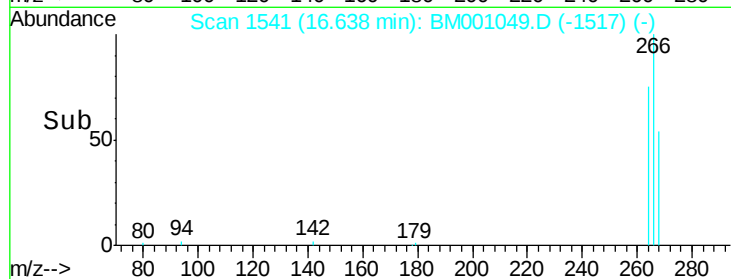
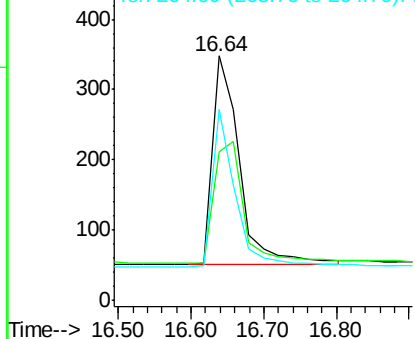


#15
 Pentachlorophenol
 Concen: 0.80 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tot Ion	Ratio	Lower	Upper
266	100		
268	60.9	46.3	69.5
264	77.9	59.8	89.6

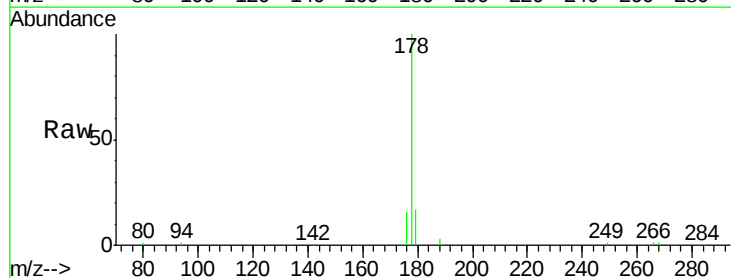


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

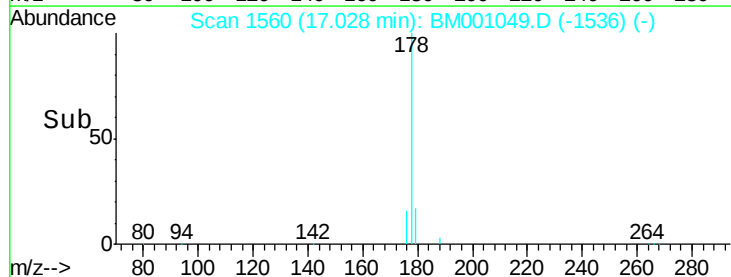
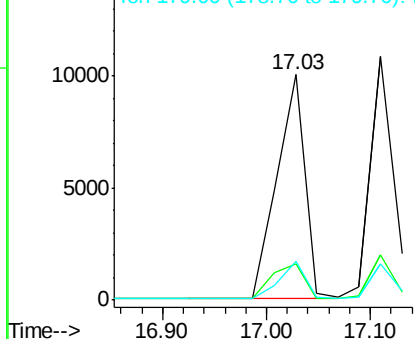


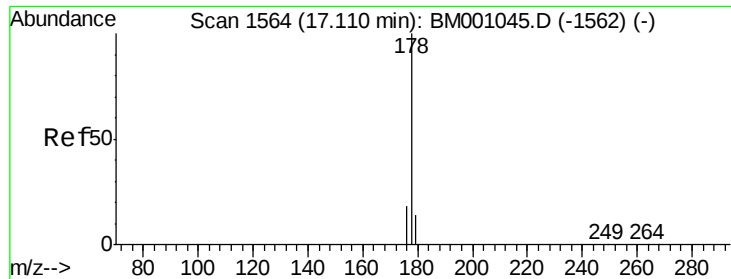
#16
 Phenanthrene
 Concen: 0.96 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.7	12.6	19.0



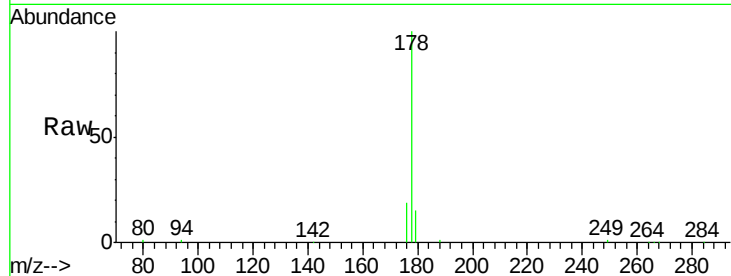
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



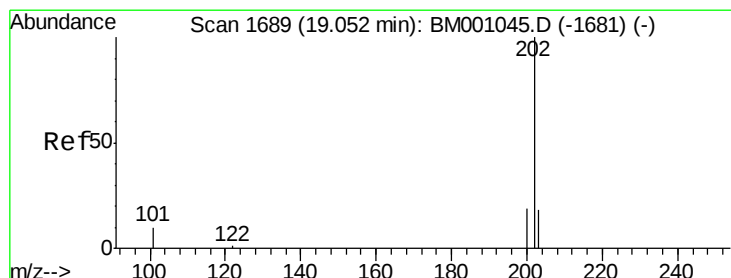
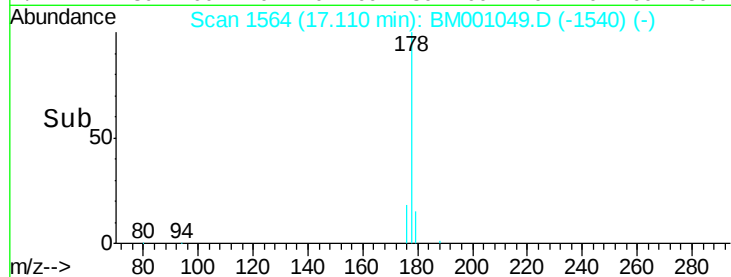
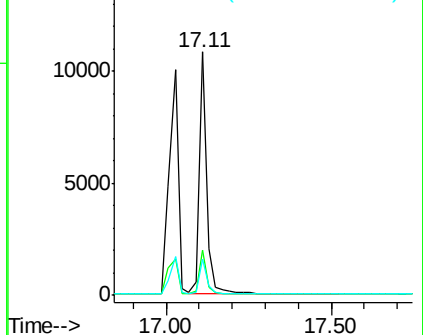


#17
 Anthracene
 Concen: 0.98 ng
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tot Ion:178 Resp: 17613
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.3 21.5
 179 14.9 11.8 17.8

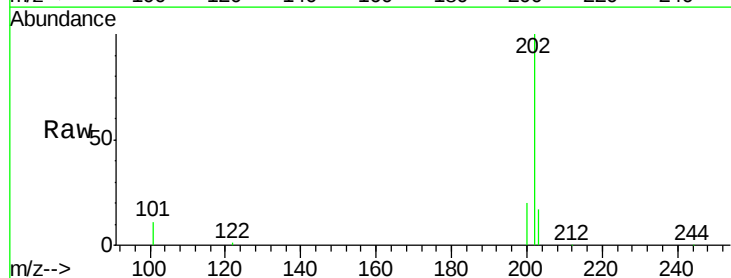


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

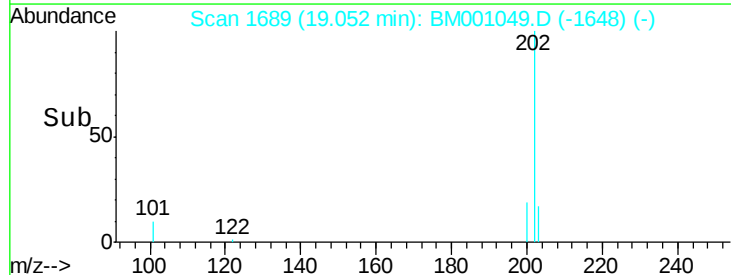
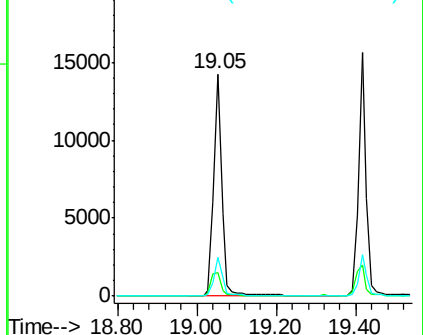


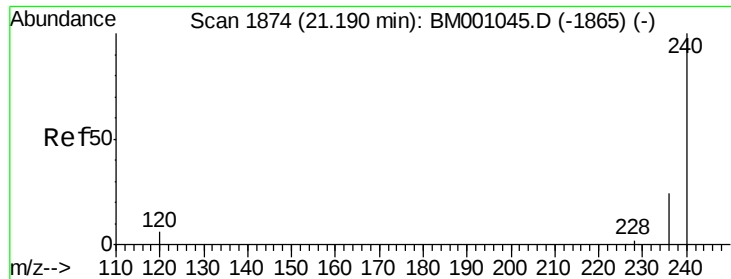
#18
 Fluoranthene
 Concen: 0.98 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion:202 Resp: 19891
 Ion Ratio Lower Upper
 202 100
 101 12.7 10.1 15.1
 203 17.1 13.8 20.8



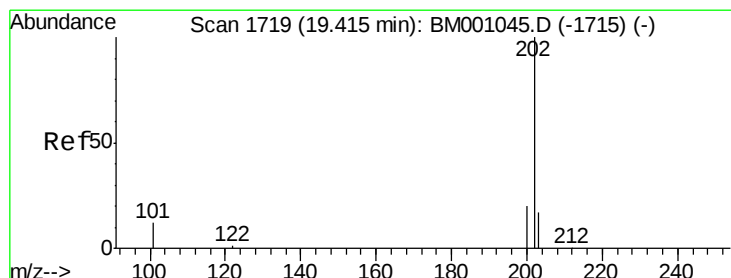
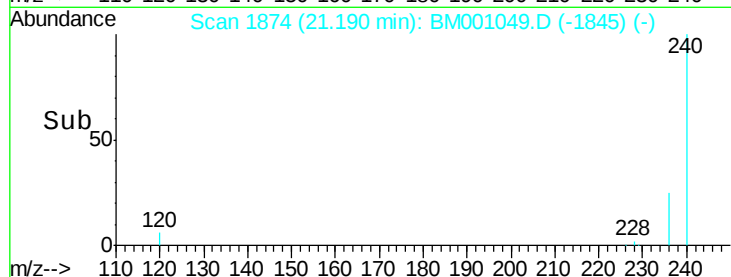
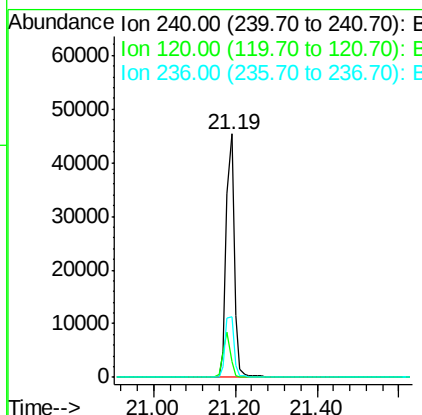
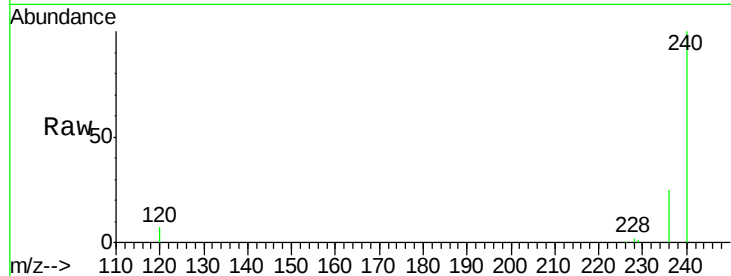
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





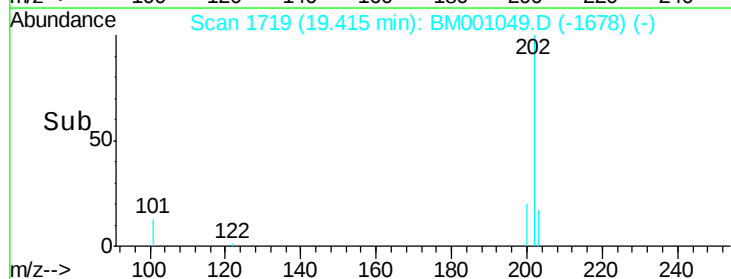
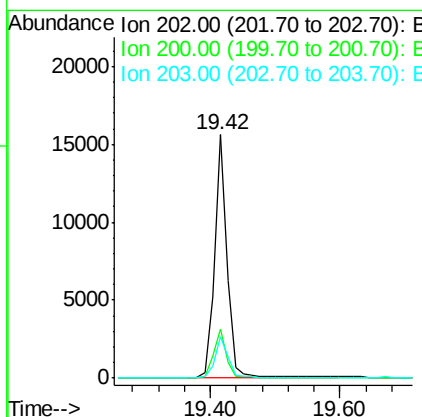
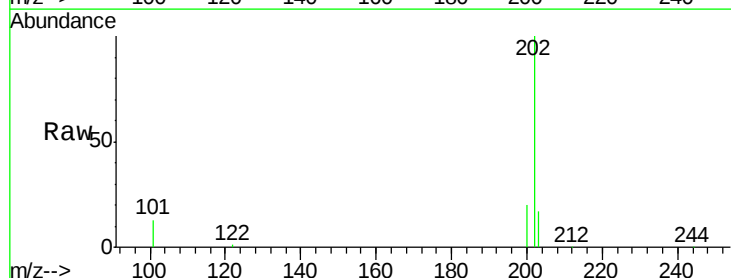
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

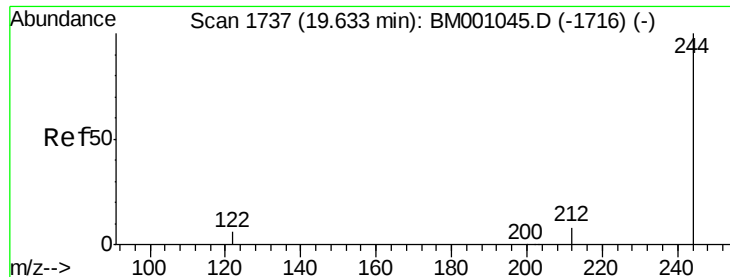
Tot Ion:240 Resp: 62711
Ion Ratio Lower Upper
240 100
120 6.6 4.6 6.8
236 24.8 19.1 28.7



#20
Pyrene
Concen: 1.00 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

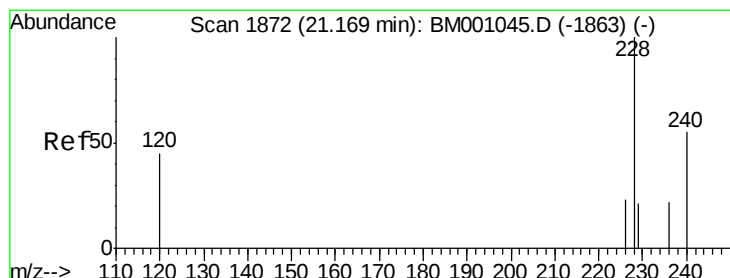
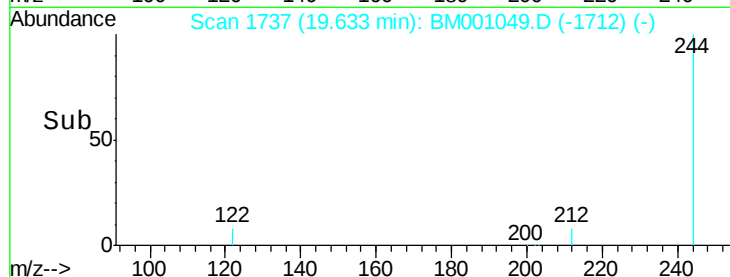
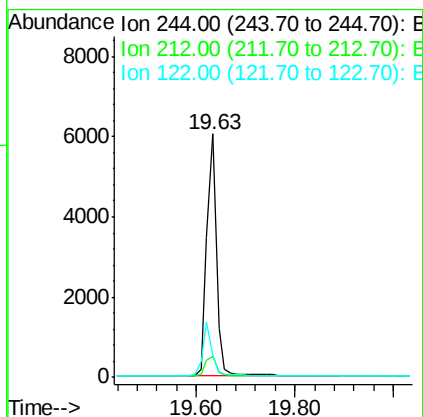
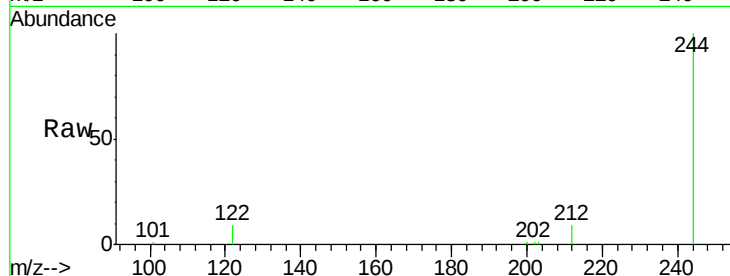
Tgt Ion:202 Resp: 20704
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.2 13.8 20.6





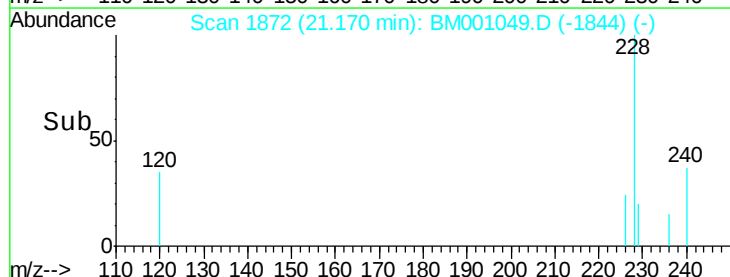
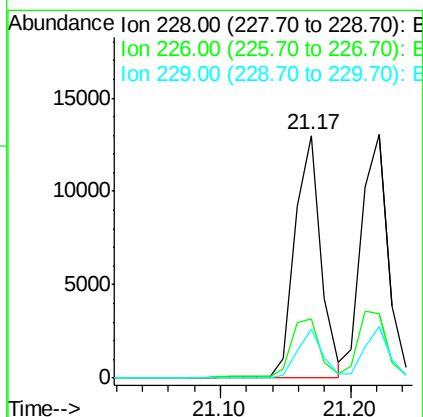
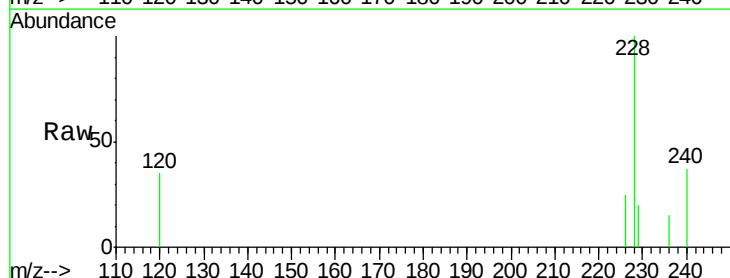
#21
 Terphenyl-d14
 Concen: 0.98 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

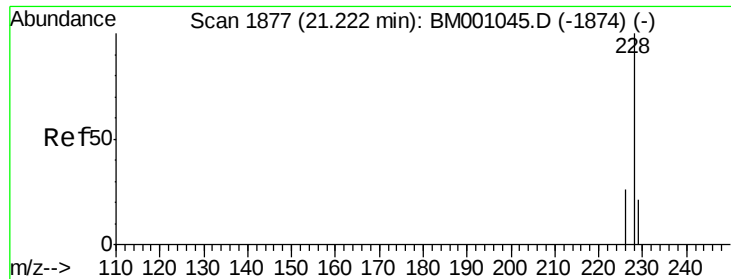
Tot Ion:244 Resp: 8163
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.1 10.7
 122 9.0 5.9 8.9#



#22
 Benzo(a)anthracene
 Concen: 0.97 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion:228 Resp: 17662
 Ion Ratio Lower Upper
 228 100
 226 24.6 19.0 28.6
 229 20.4 16.8 25.2

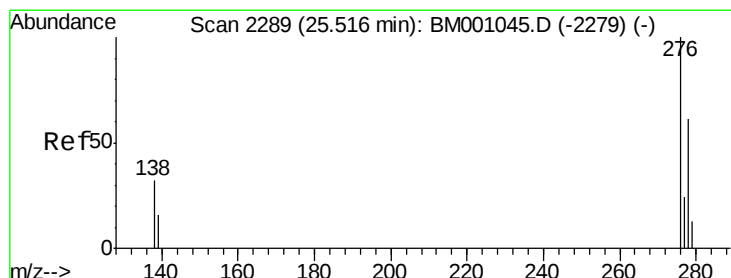
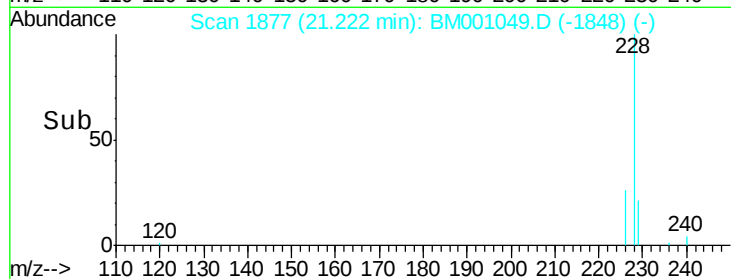
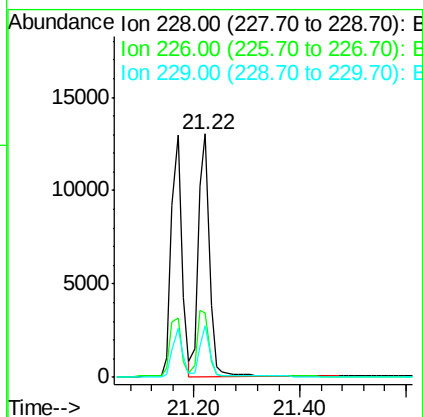
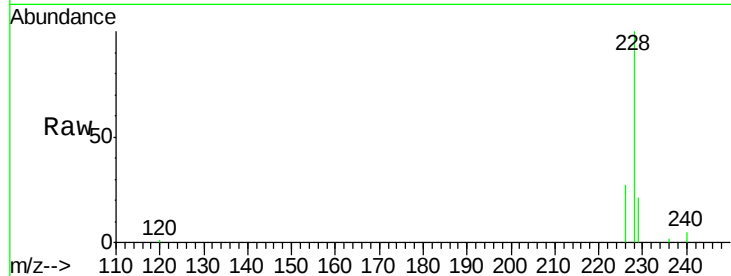




#23
Chrysene
Concen: 0.98 ng
RT: 21.22 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tot Ion:228 Resp: 18765

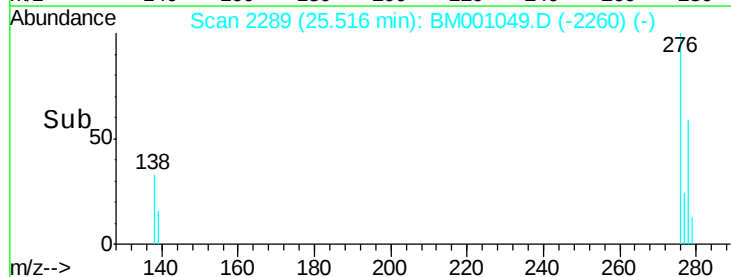
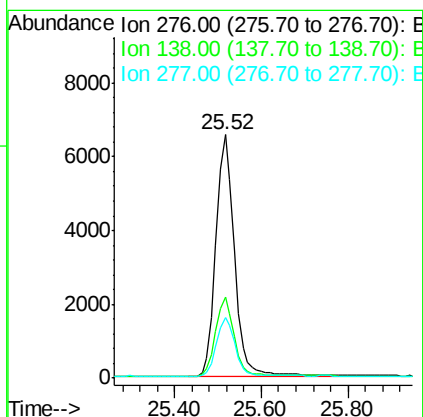
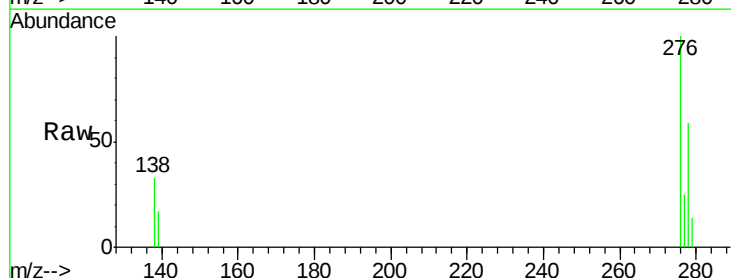
Ion	Ratio	Lower	Upper
228	100		
226	26.6	20.6	31.0
229	20.9	17.2	25.8

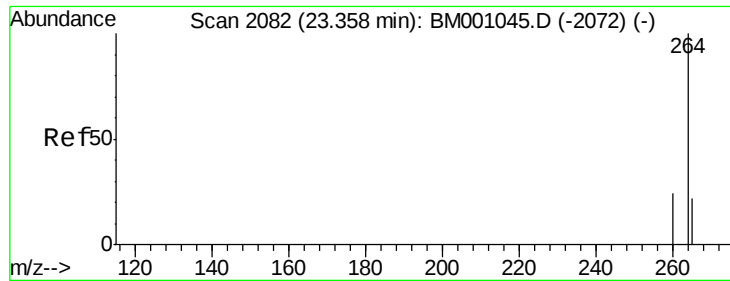


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.99 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion:276 Resp: 19333

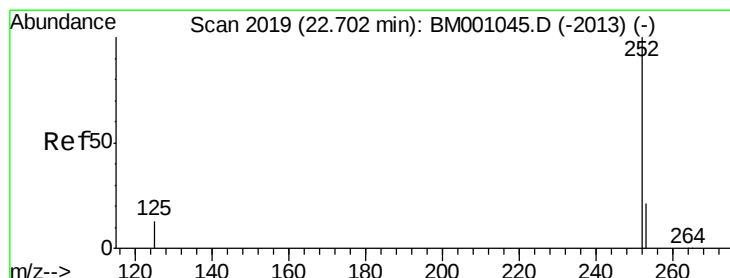
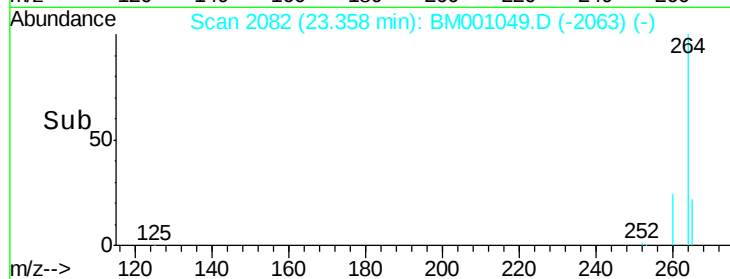
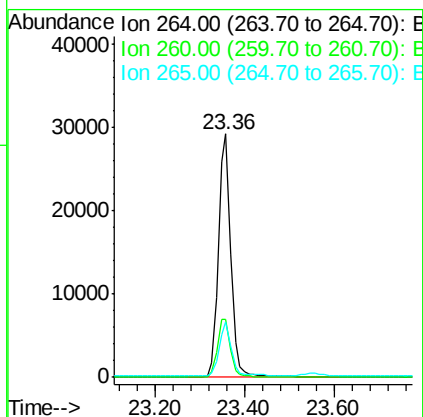
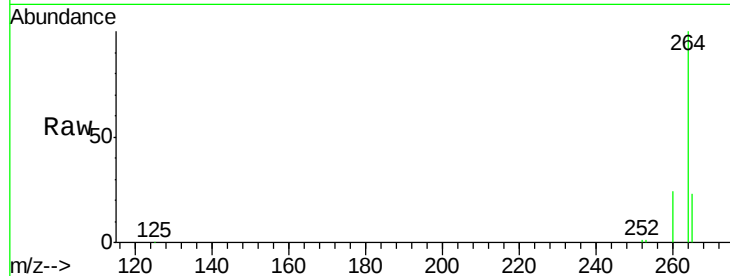
Ion	Ratio	Lower	Upper
276	100		
138	33.2	26.3	39.5
277	24.3	19.5	29.3





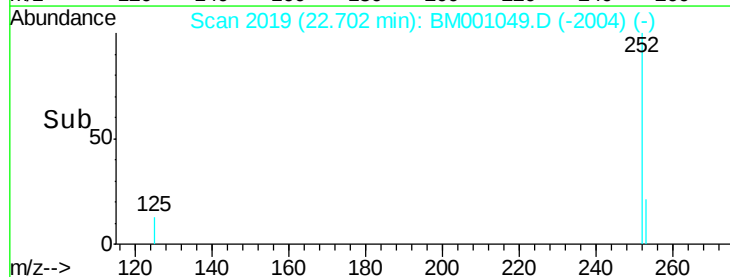
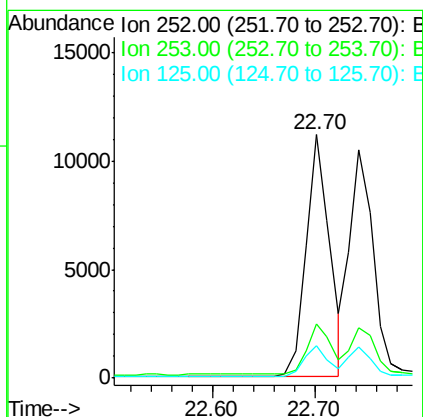
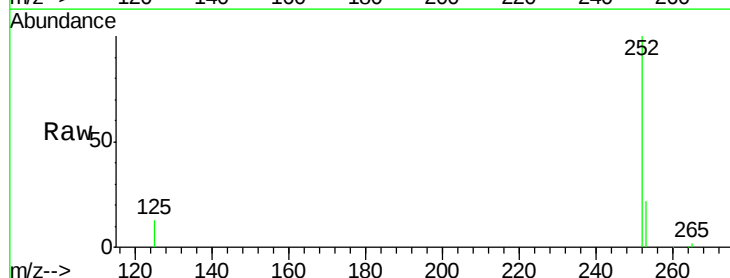
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tot Ion:264 Resp: 55791
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.7 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 1.00 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion:252 Resp: 17850
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 13.3 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

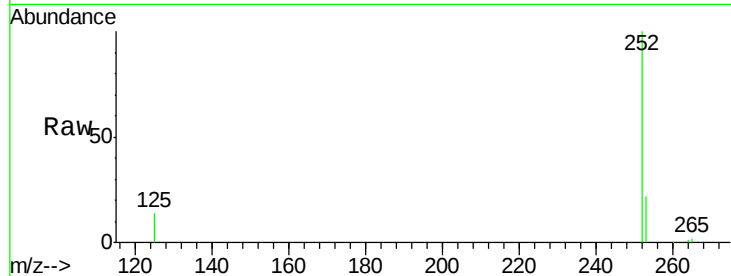
Tot Ion:252 Resp: 17487

Ion Ratio Lower Upper

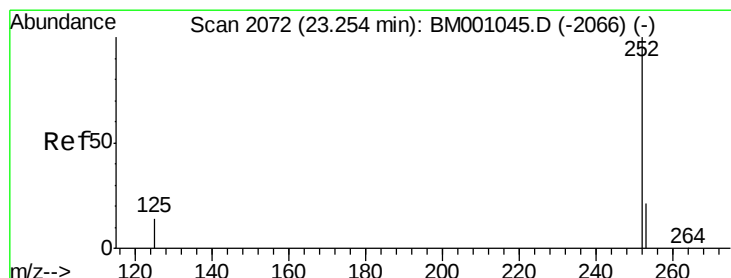
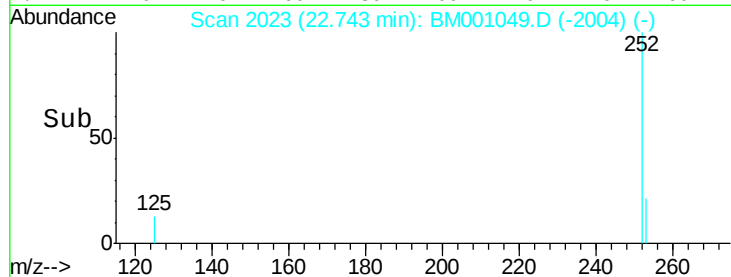
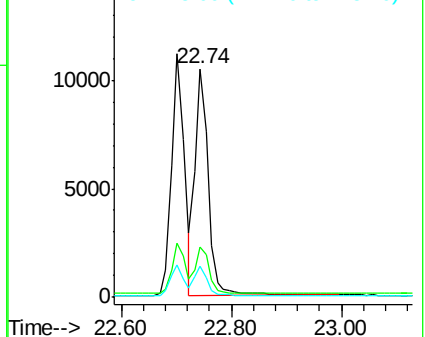
252 100

253 22.2 18.3 27.5

125 13.7 10.6 15.8



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



#28

Benzo(a)pyrene

Concen: 1.00 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

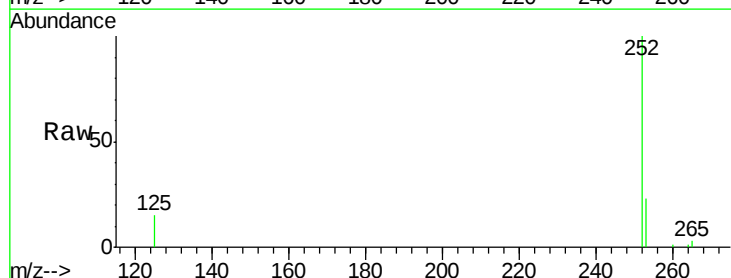
Tgt Ion:252 Resp: 15337

Ion Ratio Lower Upper

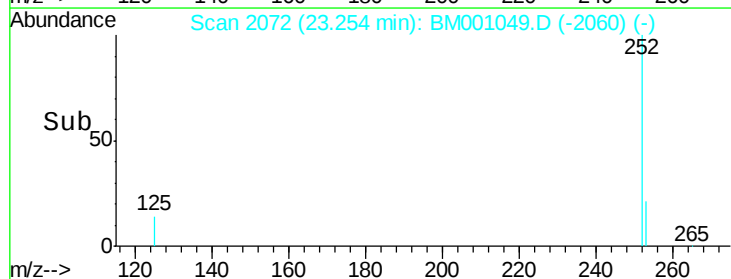
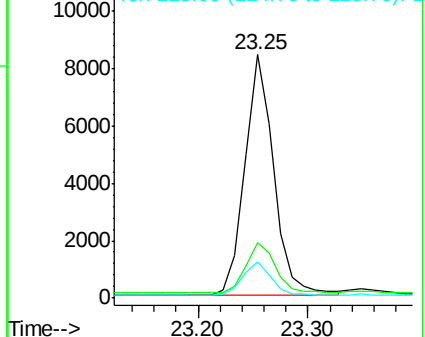
252 100

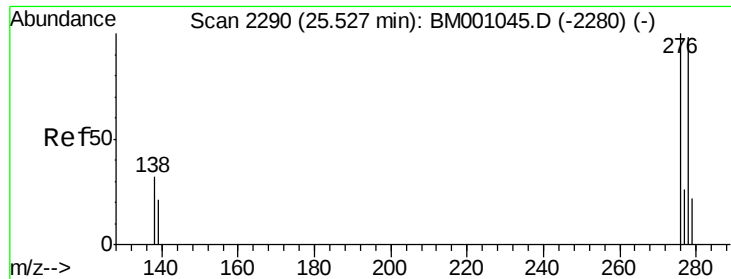
253 22.7 18.6 27.8

125 15.0 11.9 17.9



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: 1.00 ng

RT: 25.53 min Scan# 2290

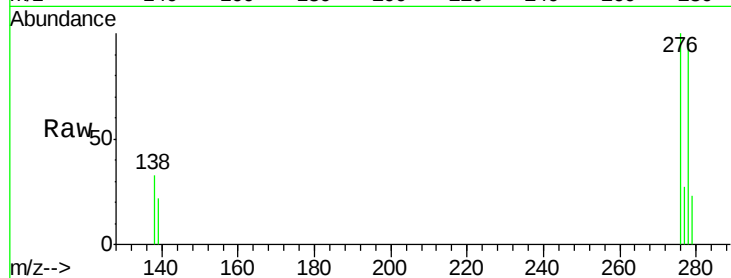
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tot Ion:278 Resp: 15226

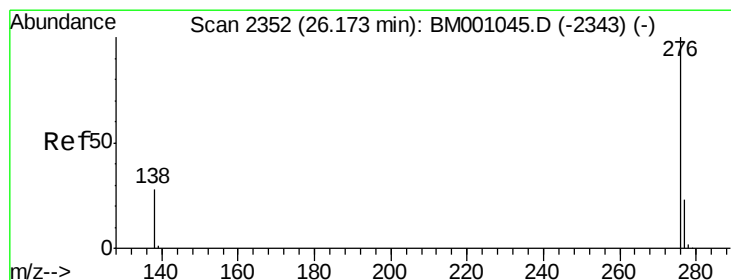
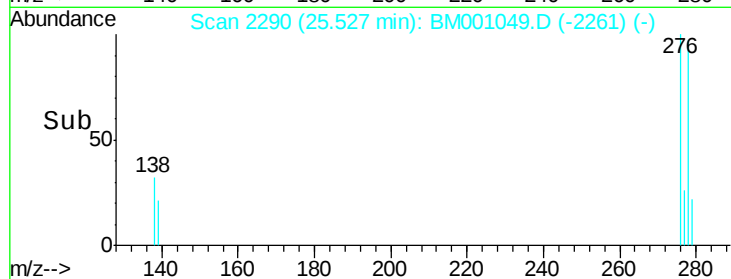
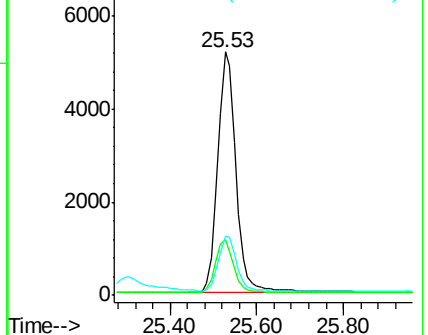
Ion	Ratio	Lower	Upper
278	100		
139	22.6	18.2	27.2
279	24.1	19.1	28.7



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



#30

Benzo(g,h,i)perylene

Concen: 0.99 ng

RT: 26.17 min Scan# 2352

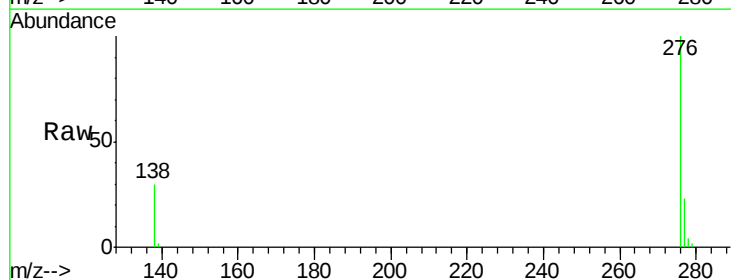
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:276 Resp: 16224

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	29.8	23.4	35.2



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

