

Data Path : Z:\HPCHEM1\BNA_L\DATA\BL062111\
 Data File : BL000316.D
 Acq On : 21 Jun 2011 17:06
 Operator : HLM/JCSA
 Sample : C2622-01
 Misc : SOIL BNA_L HLM
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:24:26 2011
 Quant Method : H:\VOL1\GCMSDATA\L\METHODS\BL060911.M
 Quant Title : SW-846 Method 8270
 QLast Update : Wed Jun 22 15:00:59 2011
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.85	152	854902	40.00	ug/ml	0.00
22) Naphthalene-d8	12.17	136	2151270	40.00	ug/ml	-0.02
39) Acenaphthene-d10	15.42	164	876904	40.00	ug/ml	0.00
62) Phenanthrene-d10	18.19	188	1001250	40.00	ug/ml	0.00
78) Chrysene-d12	21.80	240	517218	40.00	ug/ml	0.00
86) Perylene-d12	23.87	264	377583	40.00	ug/ml	0.00

System Monitoring Compounds

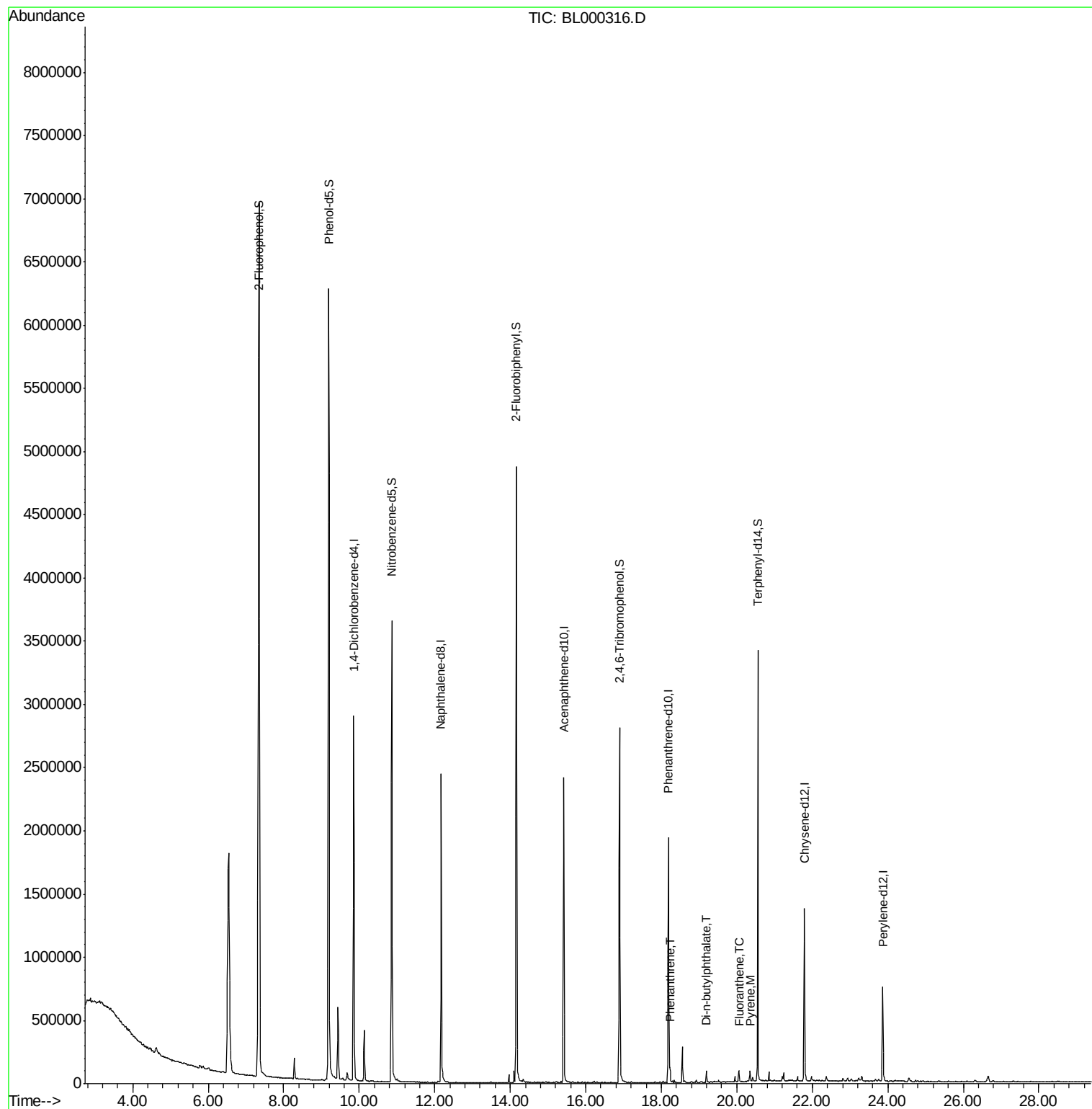
5) 2-Fluorophenol	7.34	112	4917055	153.40	ug/ml	0.03
Spiked Amount	200.000	Range	35 - 105	Recovery	=	76.70%
9) Phenol-d5	9.20	99	5562438	141.06	ug/ml	0.00
Spiked Amount	200.000	Range	40 - 100	Recovery	=	70.53%
23) Nitrobenzene-d5	10.87	82	2035830	95.54	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 100	Recovery	=	95.54%
43) 2-Fluorobiphenyl	14.16	172	2512800	87.89	ug/ml	0.00
Spiked Amount	100.000	Range	45 - 105	Recovery	=	87.89%
61) 2,4,6-Tribromophenol	16.90	330	468503	166.73	ug/ml	0.00
Spiked Amount	200.000	Range	35 - 125	Recovery	=	83.36%
80) Terphenyl-d14	20.55	244	1061996	117.24	ug/ml	0.00
Spiked Amount	100.000	Range	30 - 125	Recovery	=	117.24%

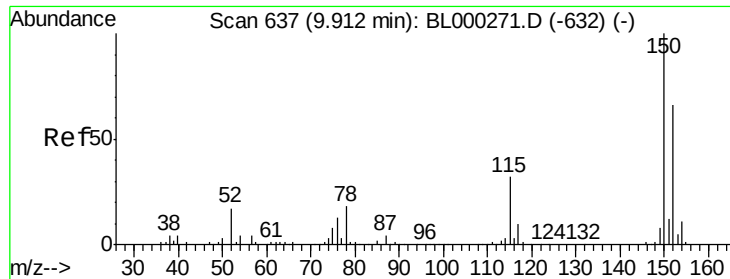
Target Compounds						Qvalue
73) Phenanthrene	18.23	178	48963	1.82	ug/ml	99
76) Di-n-butylphthalate	19.19	149	76670	2.10	ug/ml	98
77) Fluoranthene	20.06	202	49495	2.09	ug/ml	87
79) Pyrene	20.35	202	36912	2.84	ug/ml	90

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

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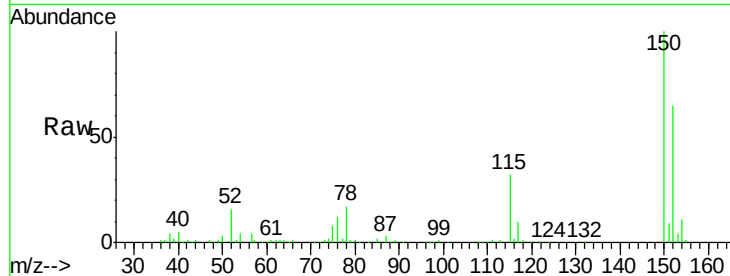




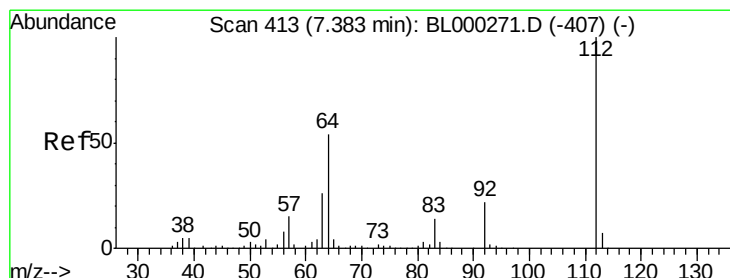
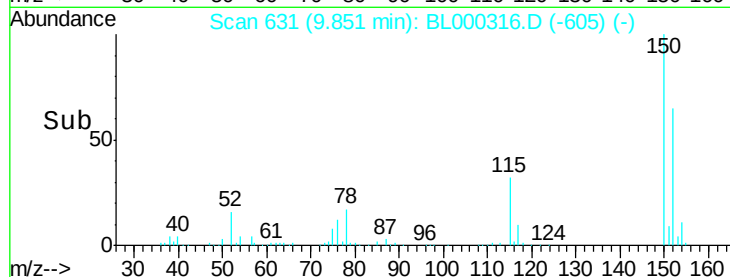
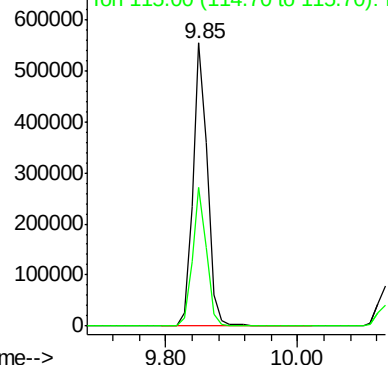
#1

1,4-Dichlorobenzene-d4
Concen: 40.00 ug/ml
RT: 9.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: BL000316.D
Acq: 21 Jun 2011 17:06

Tgt Ion:152 Resp: 854902
Ion Ratio Lower Upper
152 100
115 48.8 27.0 67.0



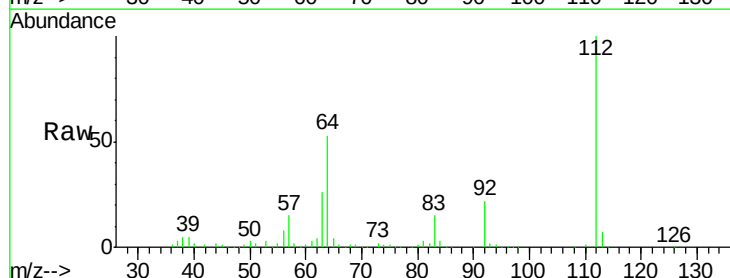
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 115.00 (114.70 to 115.70): E



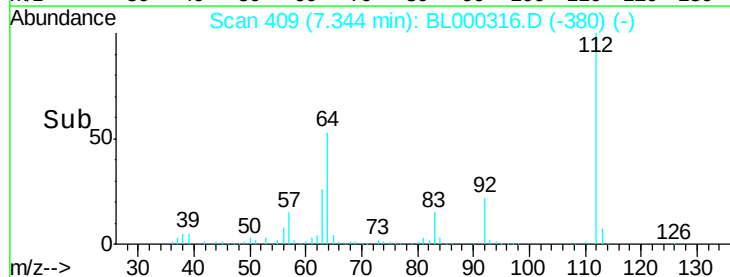
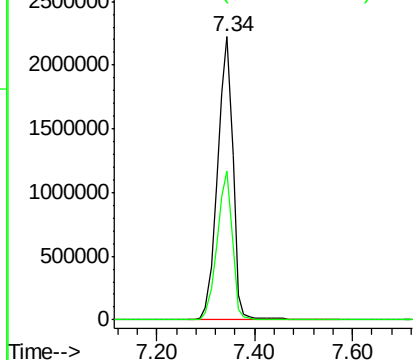
#5

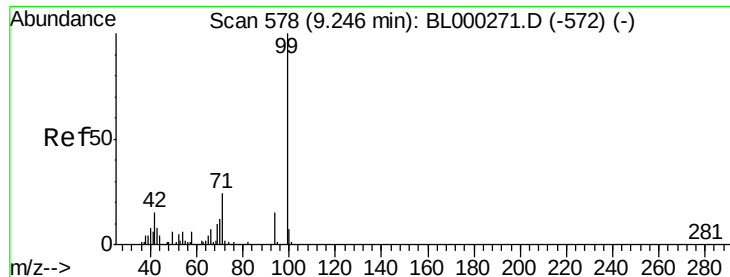
2-Fluorophenol
Concen: 153.40 ug/ml
RT: 7.34 min Scan# 409
Delta R.T. 0.03 min
Lab File: BL000316.D
Acq: 21 Jun 2011 17:06

Tgt Ion:112 Resp: 4917055
Ion Ratio Lower Upper
112 100
64 52.6 32.8 72.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BL0





#9

Phenol-d5

Concen: 141.06 ug/ml

RT: 9.20 min Scan# 573

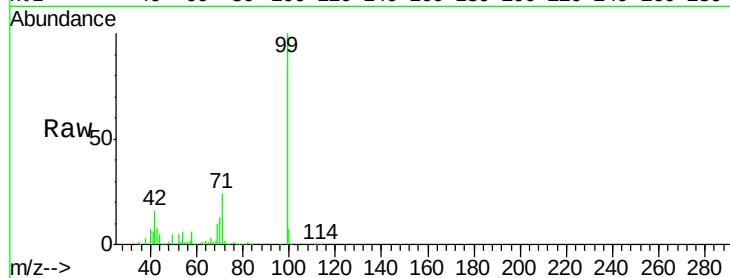
Delta R.T. -0.01 min

Lab File: BL000316.D

Acq: 21 Jun 2011 17:06

Tgt Ion: 99 Resp: 5562438

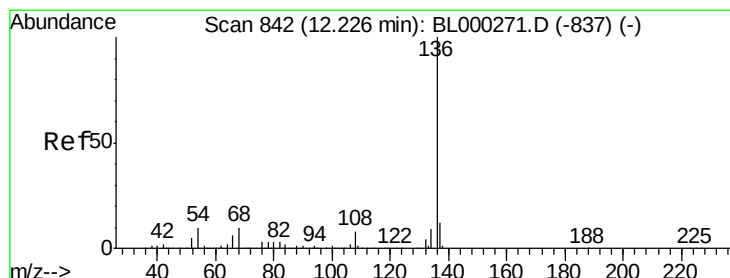
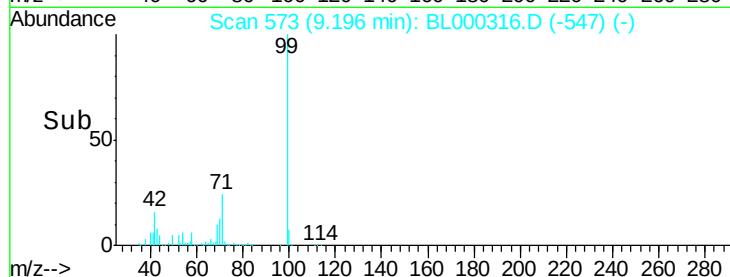
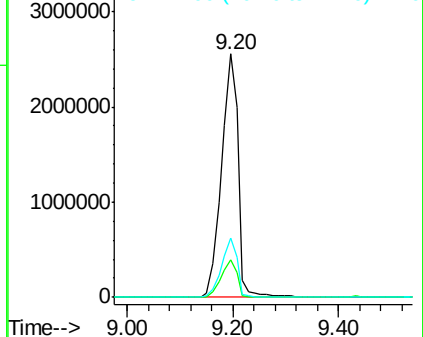
Ion	Ratio	Lower	Upper
99	100		
42	15.6	0.0	35.6
71	24.4	3.6	43.6



Abundance Ion 99.00 (98.70 to 99.70): BL0

Ion 42.00 (41.70 to 42.70): BL0

Ion 71.00 (70.70 to 71.70): BL0



#22

Naphthalene-d8

Concen: 40.00 ug/ml

RT: 12.17 min Scan# 836

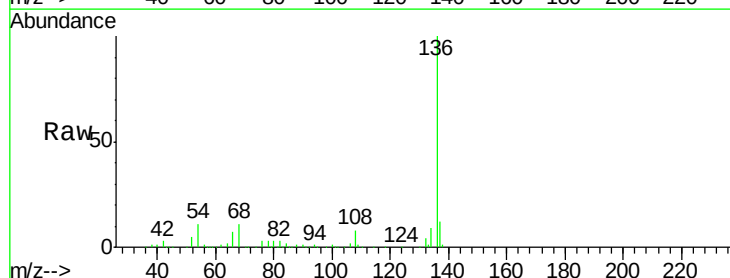
Delta R.T. -0.02 min

Lab File: BL000316.D

Acq: 21 Jun 2011 17:06

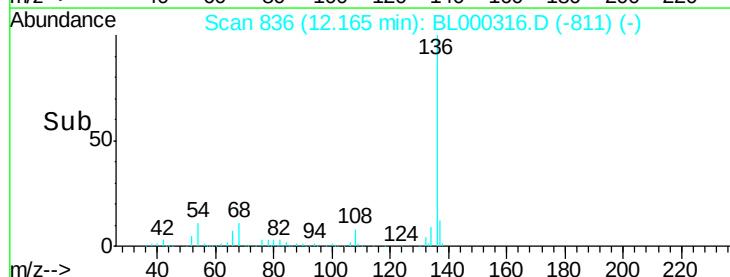
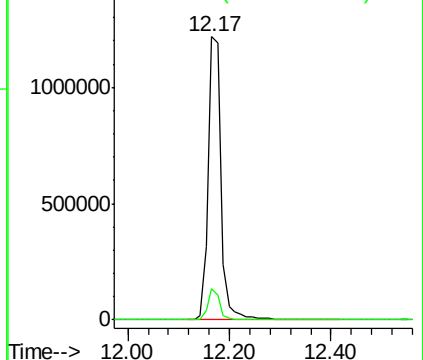
Tgt Ion: 136 Resp: 2151270

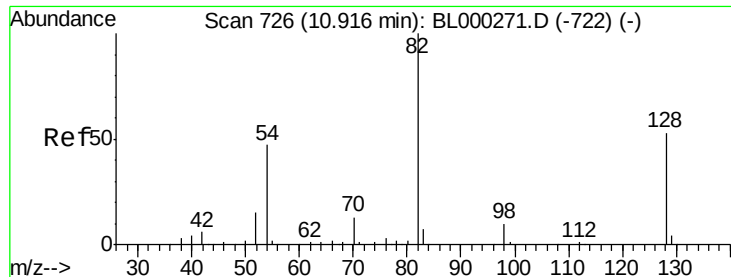
Ion	Ratio	Lower	Upper
136	100		
68	11.0	0.0	29.0



Abundance Ion 136.00 (135.70 to 136.70): E

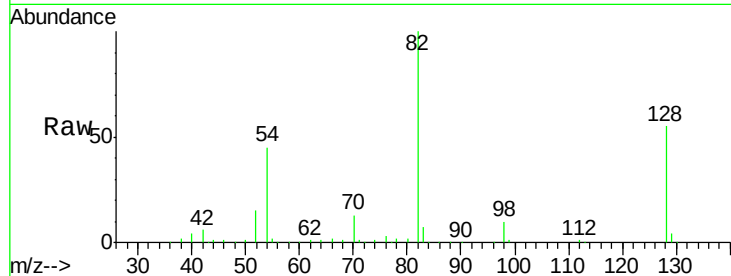
Ion 68.00 (67.70 to 68.70): BL0



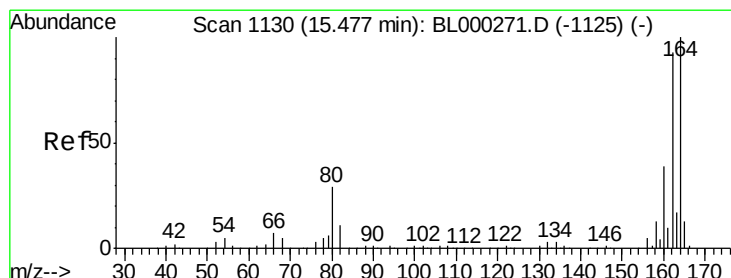
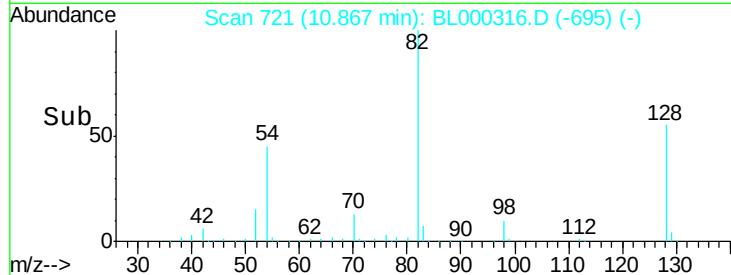
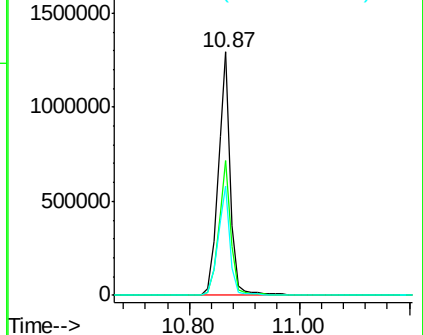


#23
 Nitrobenzene-d5
 Concen: 95.54 ug/ml
 RT: 10.87 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

Tgt Ion: 82 Resp: 2035830
 Ion Ratio Lower Upper
 82 100
 128 55.3 36.8 76.8
 54 45.1 24.1 64.1

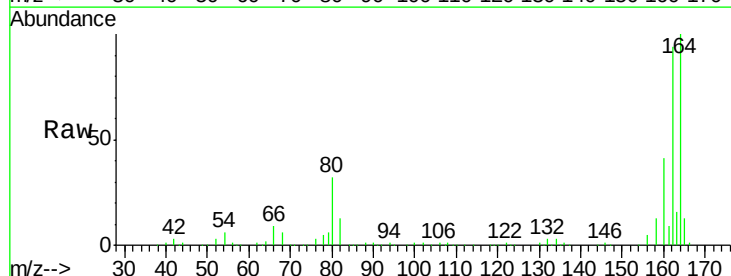


Abundance Ion 82.00 (81.70 to 82.70): BL0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BL0

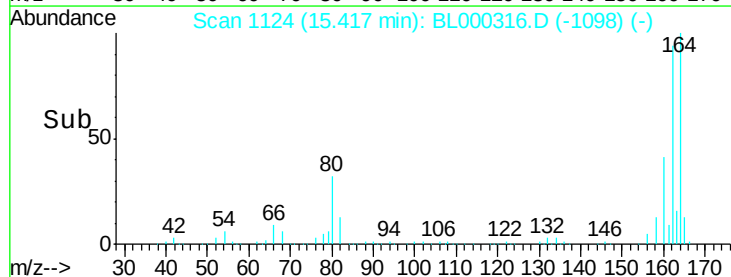
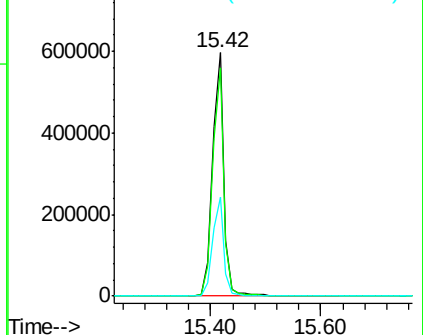


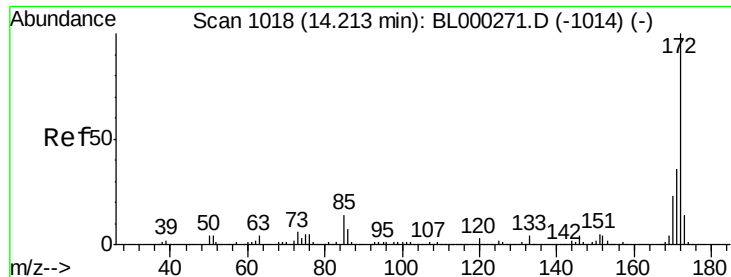
#39
 Acenaphthene-d10
 Concen: 40.00 ug/ml
 RT: 15.42 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

Tgt Ion: 164 Resp: 876904
 Ion Ratio Lower Upper
 164 100
 162 93.9 72.4 112.4
 160 40.6 19.7 59.7



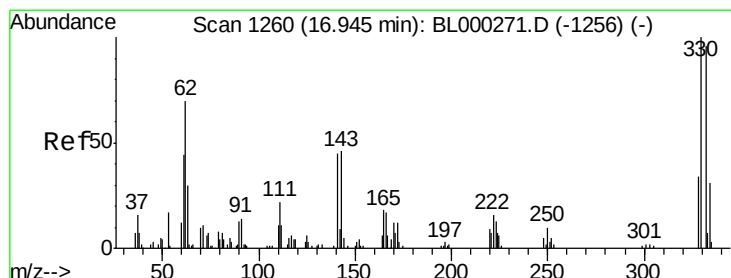
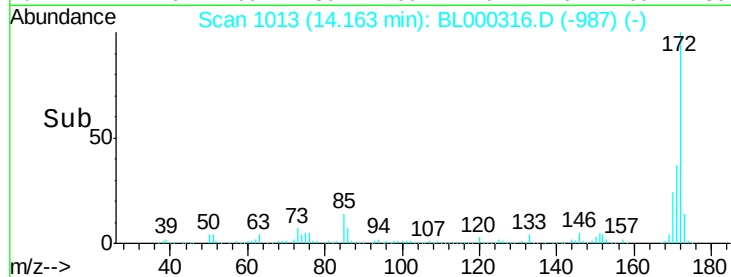
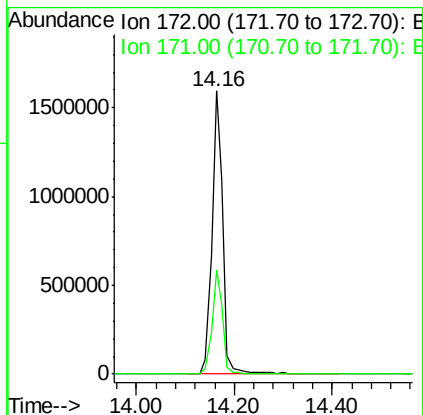
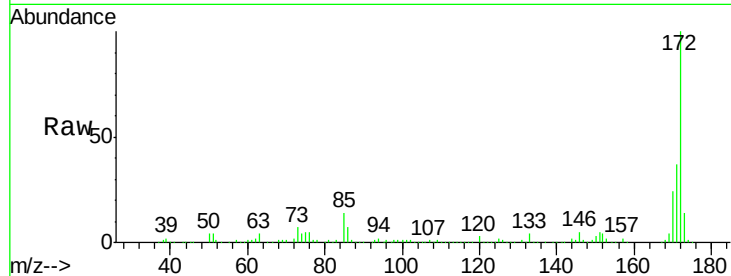
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





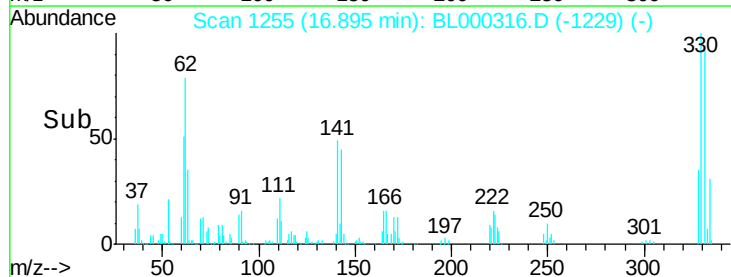
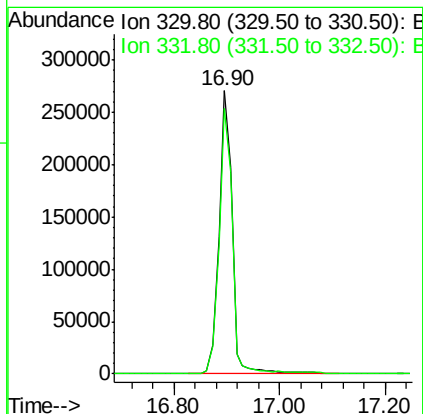
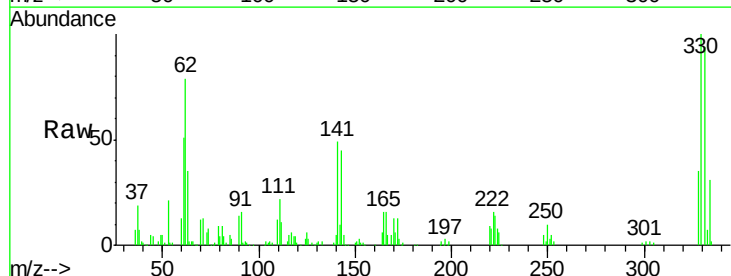
#43
 2-Fluorobiphenyl
 Concen: 87.89 ug/ml
 RT: 14.16 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

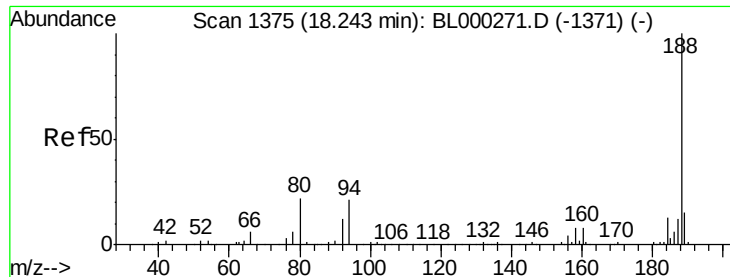
Tgt Ion:172 Resp: 2512800
 Ion Ratio Lower Upper
 172 100
 171 36.6 16.0 56.0



#61
 2,4,6-Tribromophenol
 Concen: 166.73 ug/ml
 RT: 16.90 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

Tgt Ion:330 Resp: 468503
 Ion Ratio Lower Upper
 330 100
 332 93.9 75.7 113.5





#62

Phenanthrene-d10

Concen: 40.00 ug/ml

RT: 18.19 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BL000316.D

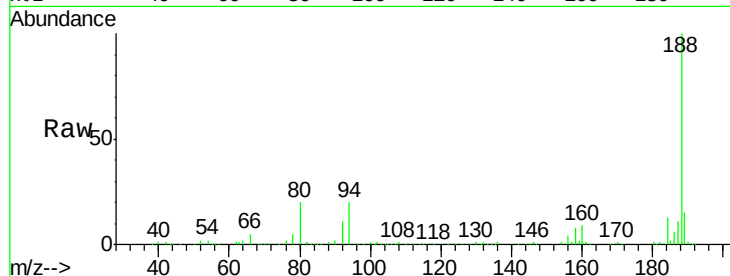
Acq: 21 Jun 2011 17:06

Tgt Ion:188 Resp: 1001250

Ion Ratio Lower Upper

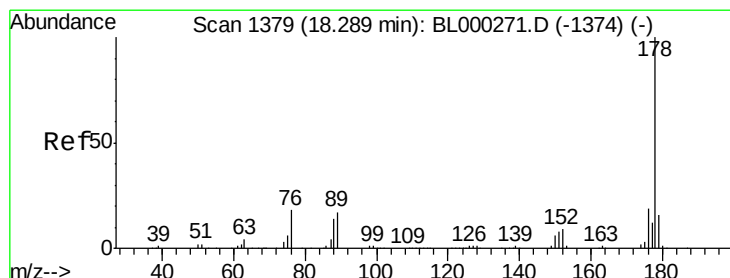
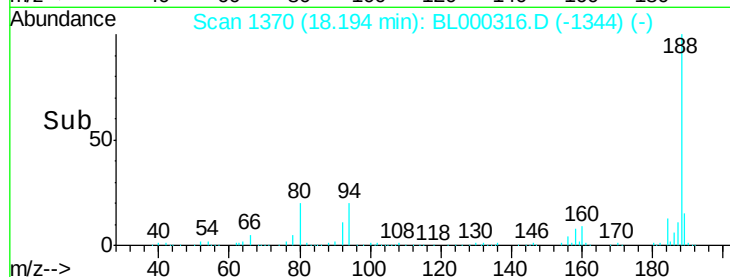
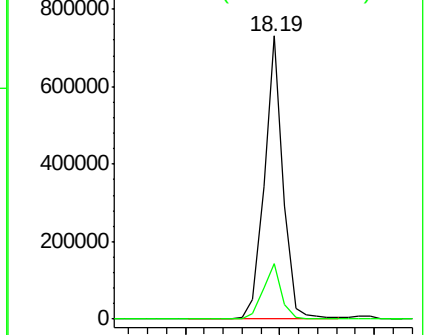
188 100

94 19.8 0.0 39.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BL0



#73

Phenanthrene

Concen: 1.82 ug/ml

RT: 18.23 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BL000316.D

Acq: 21 Jun 2011 17:06

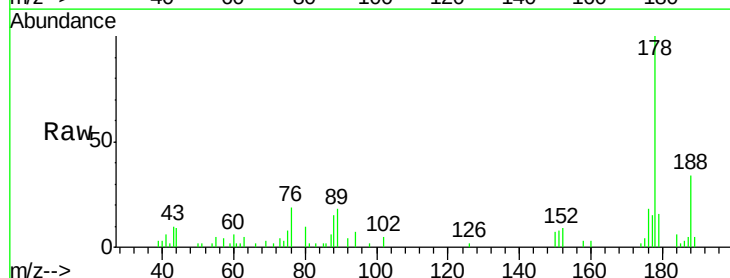
Tgt Ion:178 Resp: 48963

Ion Ratio Lower Upper

178 100

179 16.2 0.0 36.0

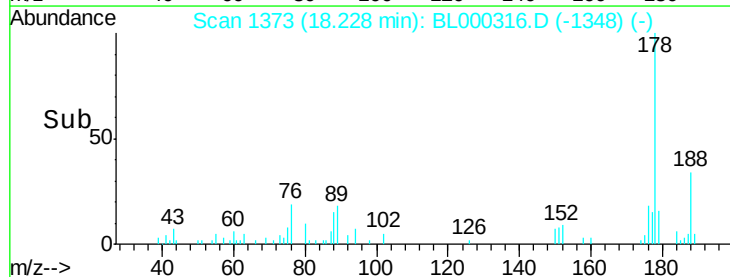
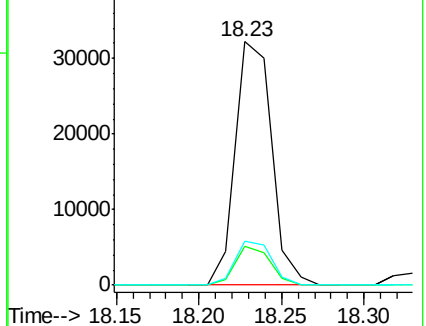
176 18.2 0.0 39.0

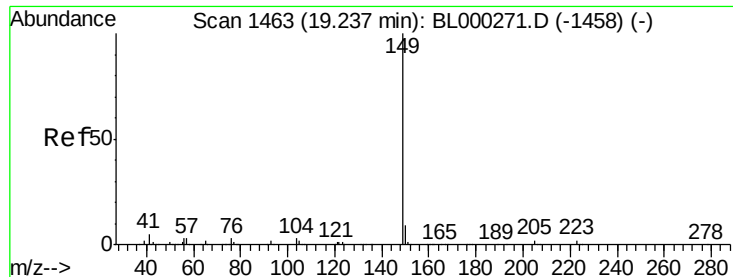


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Di-n-butylphthalate

Concen: 2.10 ug/ml

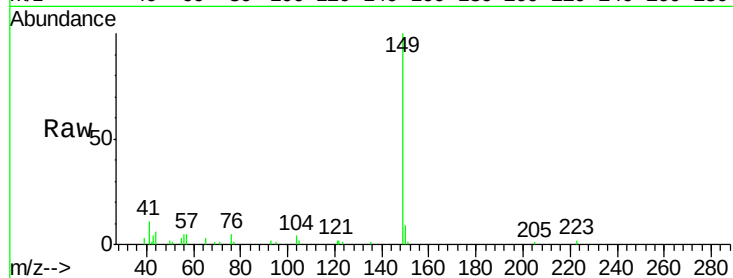
RT: 19.19 min Scan# 1458

Delta R.T. -0.01 min

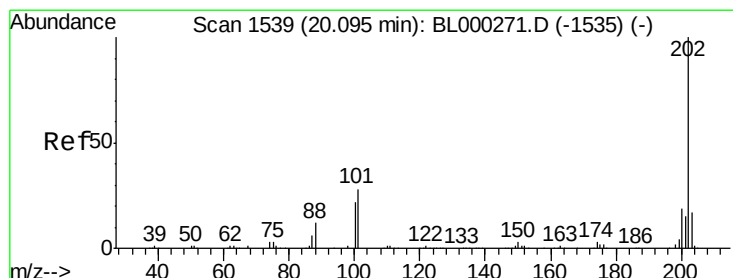
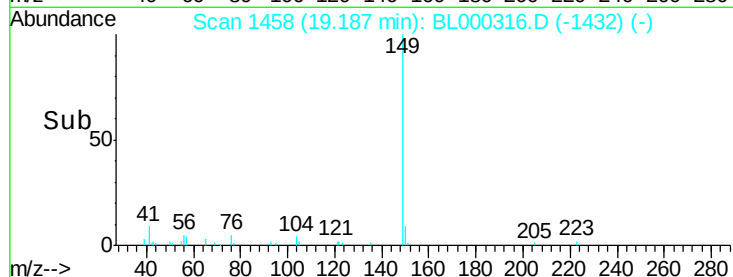
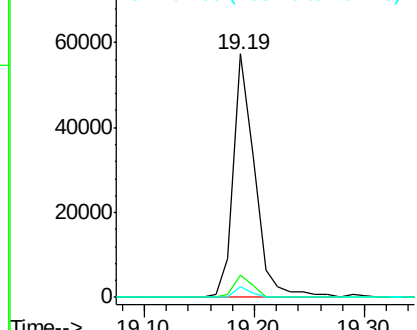
Lab File: BL000316.D

Acq: 21 Jun 2011 17:06

Tgt Ion:	149	Resp:	76670
Ion	Ratio	Lower	Upper
149	100		
150	8.9	0.0	29.8
104	4.3	0.0	24.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 2.09 ug/ml

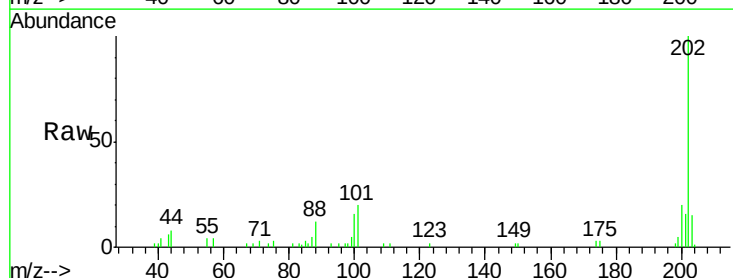
RT: 20.06 min Scan# 1535

Delta R.T. -0.01 min

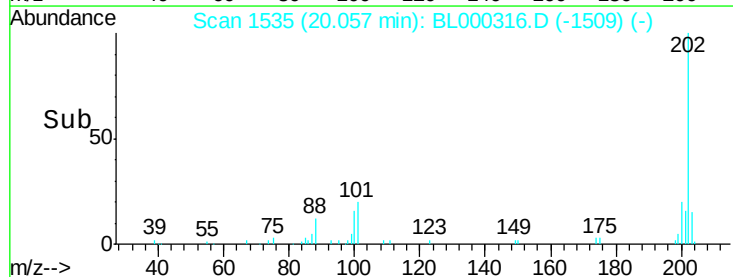
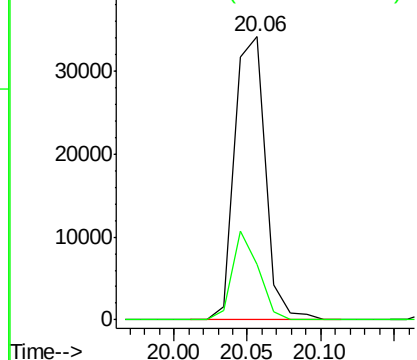
Lab File: BL000316.D

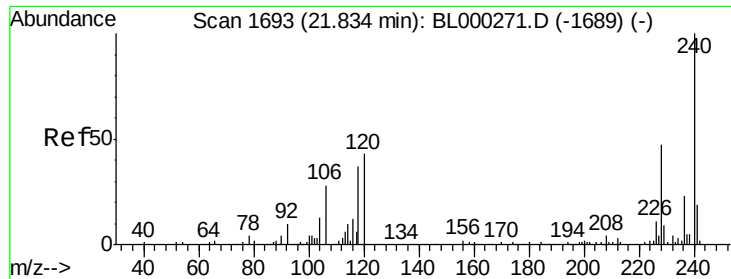
Acq: 21 Jun 2011 17:06

Tgt Ion:	202	Resp:	49495
Ion	Ratio	Lower	Upper
202	100		
101	19.8	6.4	46.4



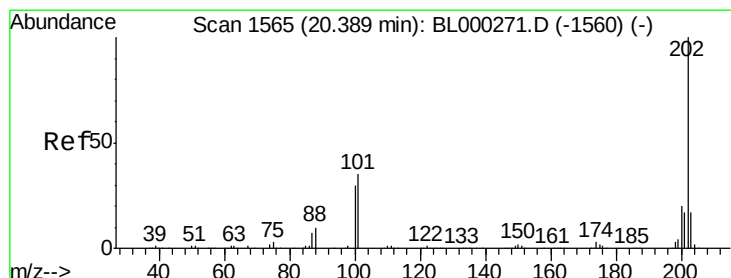
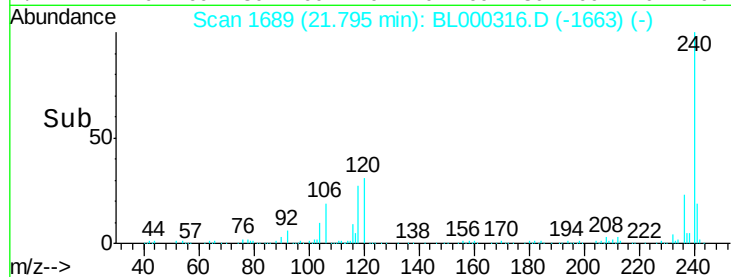
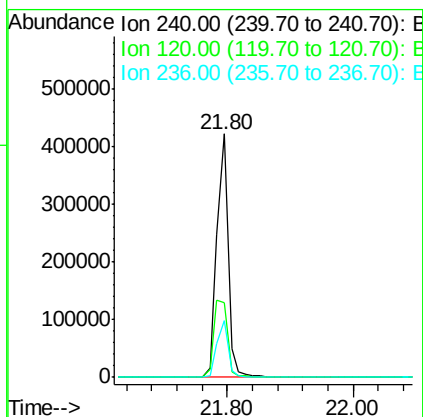
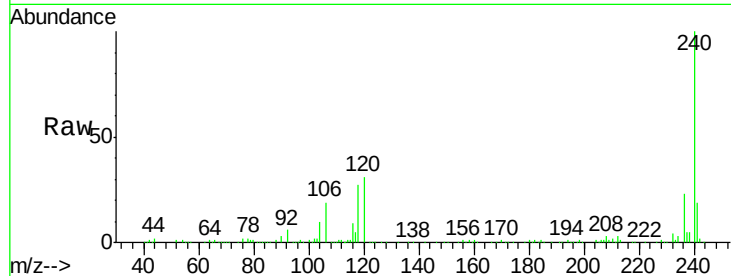
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E





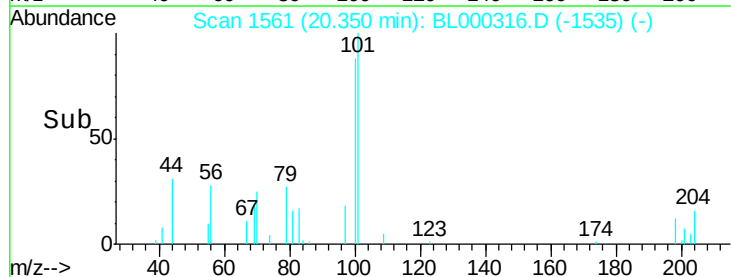
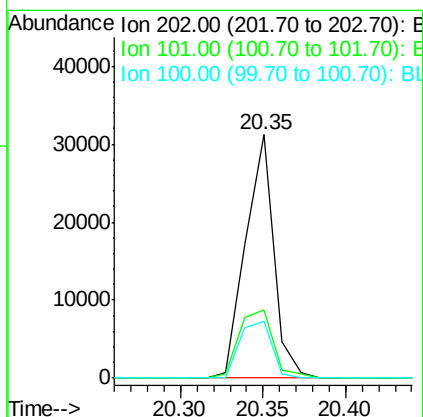
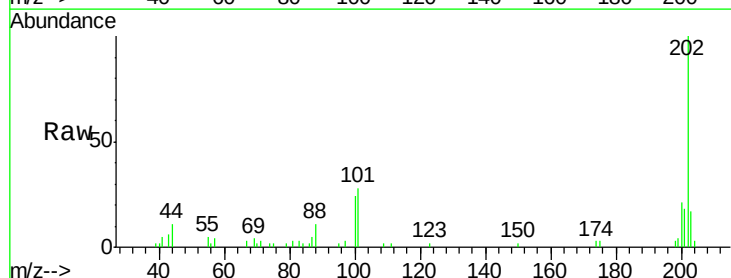
#78
 Chrysene-d12
 Concen: 40.00 ug/ml
 RT: 21.80 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

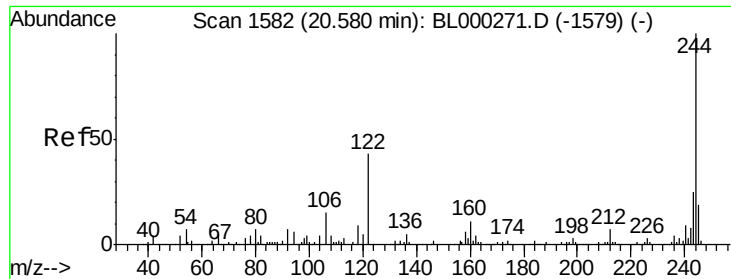
Tgt Ion: 240 Resp: 517218
 Ion Ratio Lower Upper
 240 100
 120 30.5 16.3 56.3
 236 23.3 3.9 43.9



#79
 Pyrene
 Concen: 2.84 ug/ml
 RT: 20.35 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

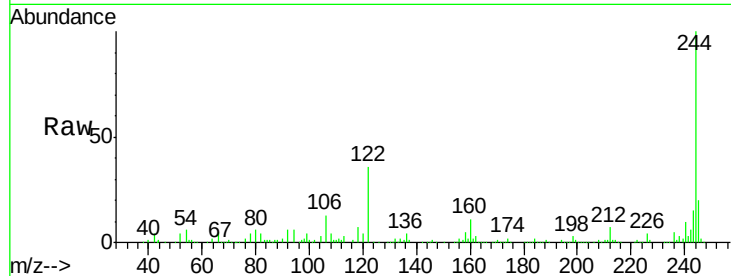
Tgt Ion: 202 Resp: 36912
 Ion Ratio Lower Upper
 202 100
 101 28.3 14.4 54.4
 100 23.5 9.0 49.0



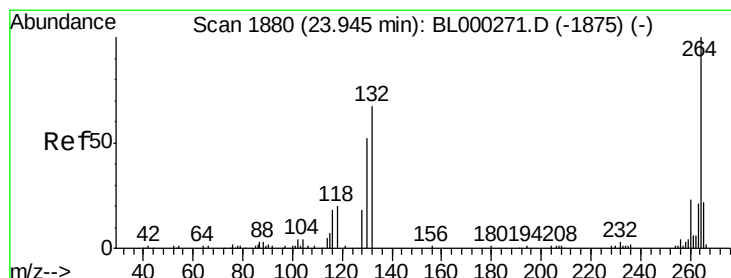
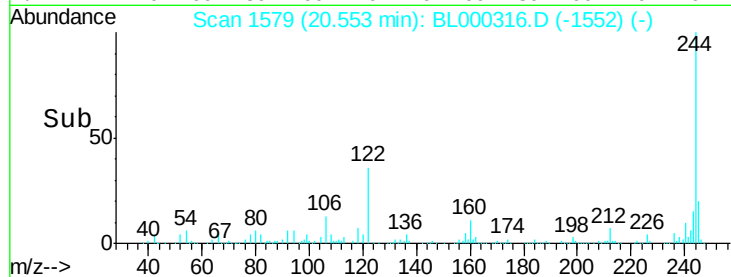
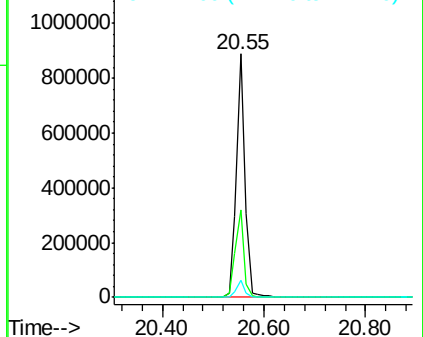


#80
 Terphenyl-d14
 Concen: 117.24 ug/ml
 RT: 20.55 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

Tgt Ion: 244 Resp: 1061996
 Ion Ratio Lower Upper
 244 100
 122 35.8 18.3 58.3
 212 7.0 0.0 27.0

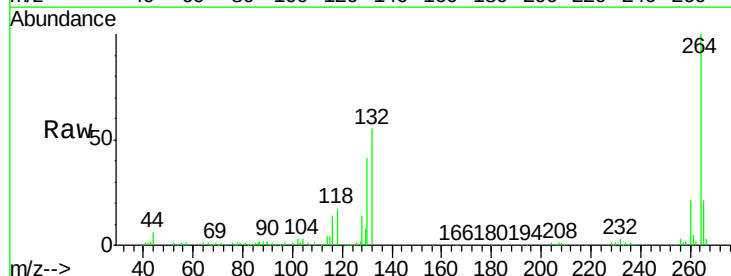


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 122.00 (121.70 to 122.70): E
 Ion 212.00 (211.70 to 212.70): E



#86
 Perylene-d12
 Concen: 40.00 ug/ml
 RT: 23.87 min Scan# 1873
 Delta R.T. -0.01 min
 Lab File: BL000316.D
 Acq: 21 Jun 2011 17:06

Tgt Ion: 264 Resp: 377583
 Ion Ratio Lower Upper
 264 100
 260 21.5 2.7 42.7
 265 21.5 0.6 40.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

