

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040317\
 Data File : BM009521.D
 Acq On : 04 Apr 2017 07:37
 Operator : SJ/MA
 Sample : I2508-04RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 04 08:07:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 12:10:26 2017
 Response via : Initial Calibration

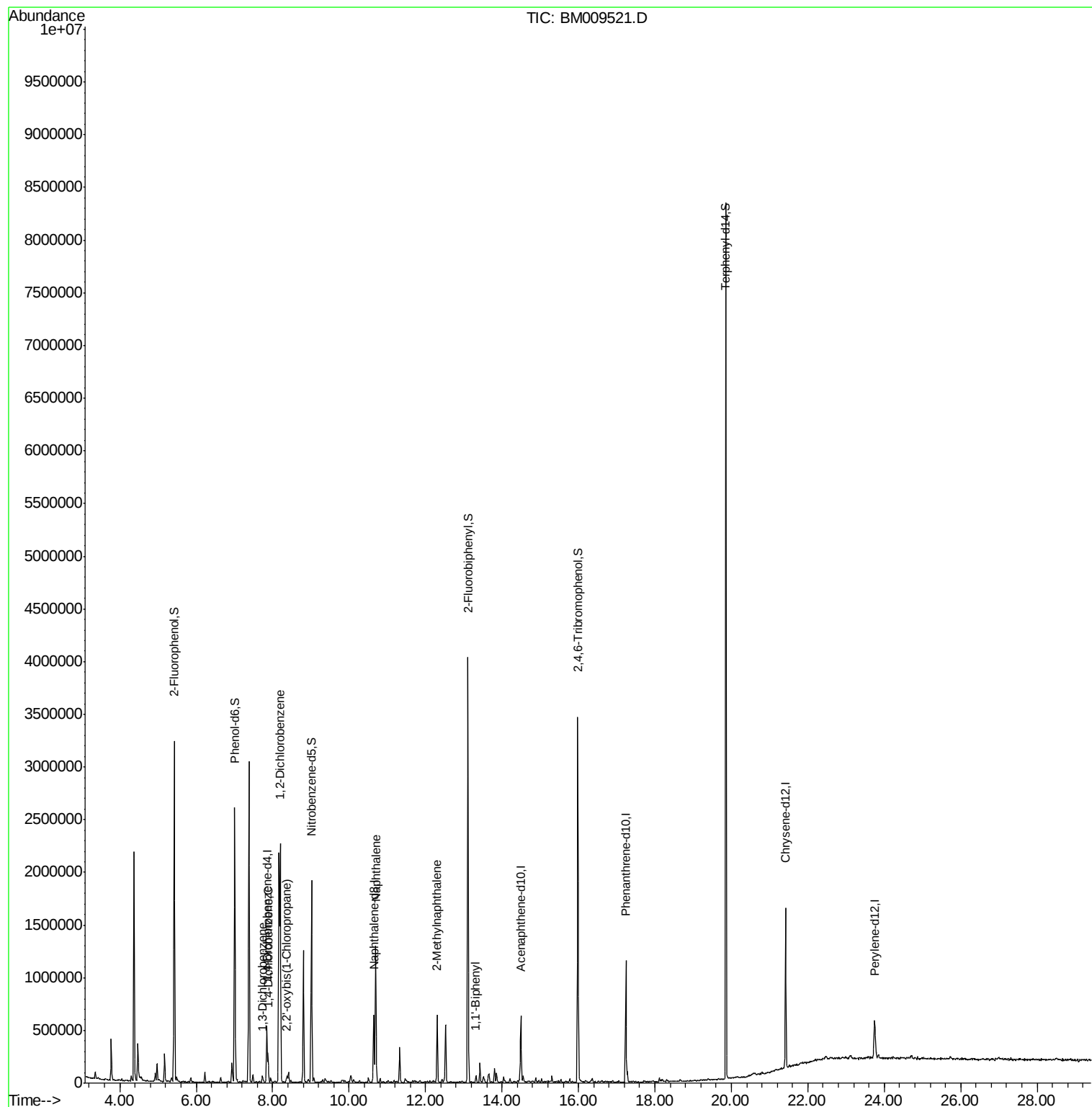
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	118392	20.00	ng	-0.02
21) Naphthalene-d8	10.65	136	446721	20.00	ng	-0.02
38) Acenaphthene-d10	14.49	164	166567	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	572272	20.00	ng	-0.01
75) Chrysene-d12	21.41	240	620610	20.00	ng	-0.01
86) Perylene-d12	23.74	264	117029	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1050423	147.89	ng	-0.01
7) Phenol-d6	7.01	99	1138386	117.53	ng	-0.01
23) Nitrobenzene-d5	9.02	82	1101516	92.45	ng	-0.01
41) 2,4,6-Tribromophenol	15.99	330	506226	244.64	ng	-0.01
44) 2-Fluorobiphenyl	13.11	172	1908573	138.07	ng	-0.01
78) Terphenyl-d14	19.86	244	3148647	106.02	ng	-0.01
Target Compounds						
12) 1,3-Dichlorobenzene	7.73	146	19296	2.24	ng	# 88
13) 1,4-Dichlorobenzene	7.88	146	85527	9.60	ng	# 89
14) 1,2-Dichlorobenzene	8.20	146	734683	84.92	ng	# 94
16) 2,2'-oxybis(1-Chloropropan	8.37	45	39677	2.65	ng	95
31) Naphthalene	10.69	128	894927	37.74	ng	100
37) 2-Methylnaphthalene	12.30	142	255180	15.59	ng	# 94
45) 1,1'-Biphenyl	13.32	154	27944	2.02	ng	83

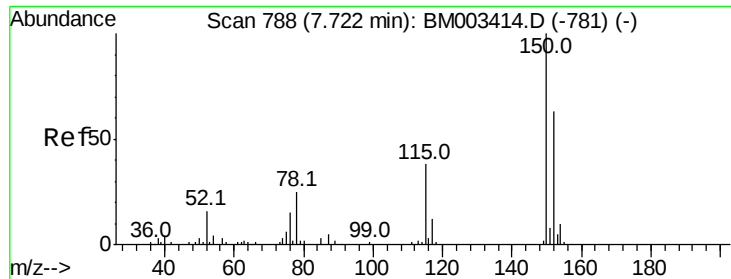
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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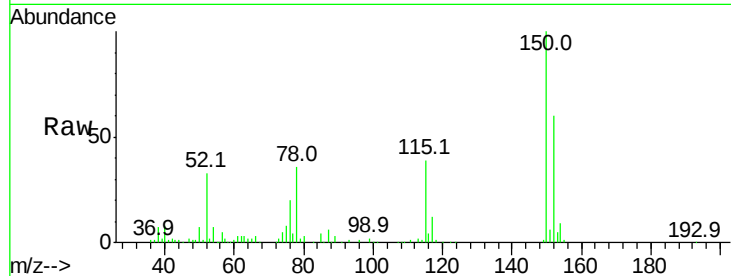


#1

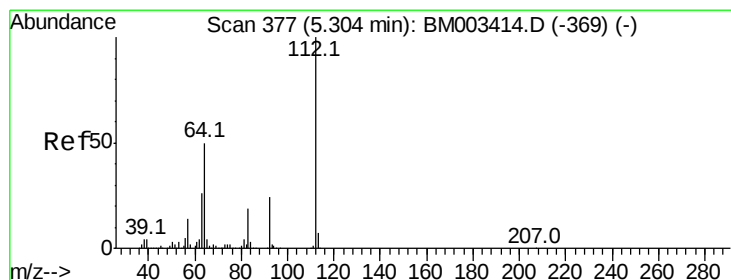
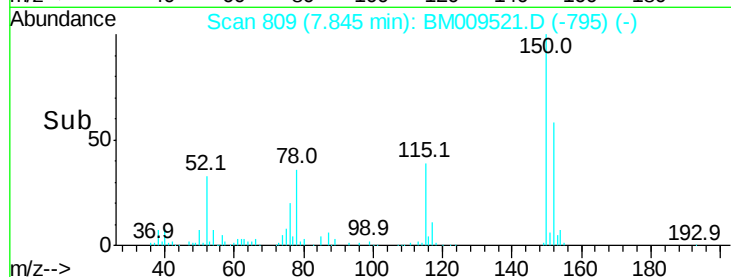
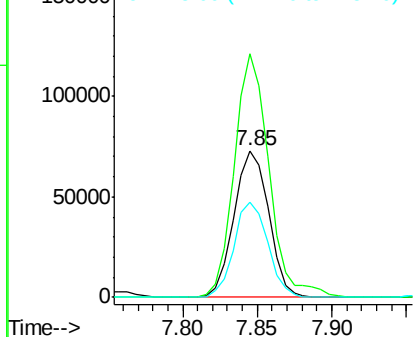
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 118392
Ion Ratio Lower Upper
152 100
150 165.7 119.5 179.3
115 64.9 43.0 64.4#



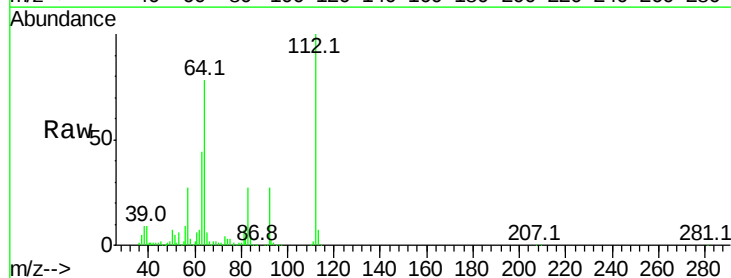
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



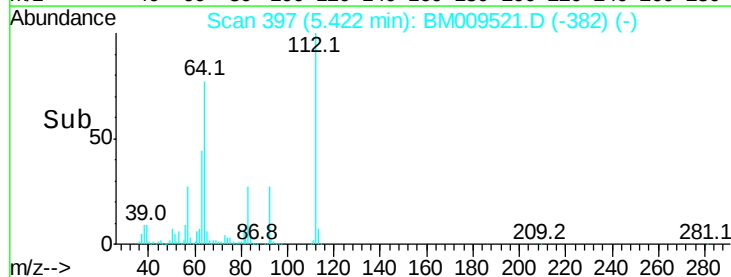
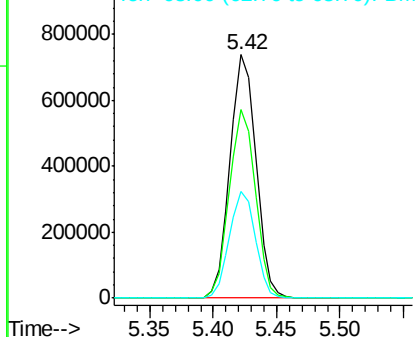
#5

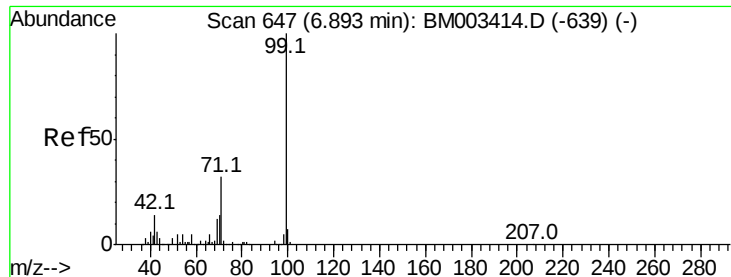
2-Fluorophenol
Concen: 147.89 ng
RT: 5.42 min Scan# 397
Delta R.T. -0.01 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

Tgt Ion:112 Resp: 1050423
Ion Ratio Lower Upper
112 100
64 77.5 38.6 57.8#
63 43.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 117.53 ng

RT: 7.01 min Scan# 667

Delta R.T. -0.01 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

Instrument :

BNA_M

ClientSampled :

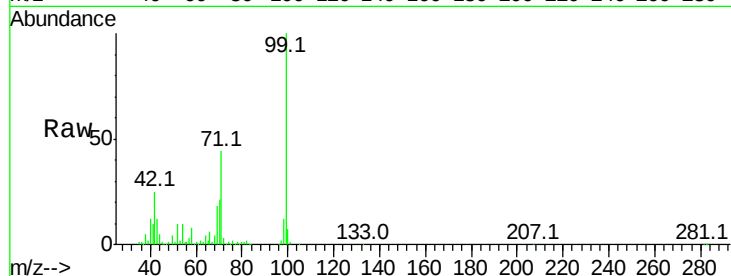
Tot Ion: 99 Resp: 1138386

Ion Ratio Lower Upper

99 100

42 24.8 11.0 16.4#

71 44.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)

1000000

800000

600000

400000

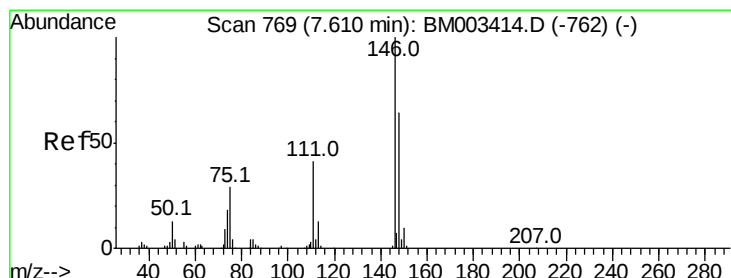
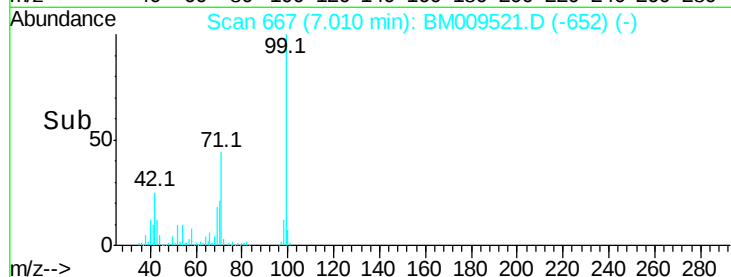
200000

0

7.01

6.90 6.95 7.00 7.05 7.10

Time-->



#12

1,3-Dichlorobenzene

Concen: 2.24 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

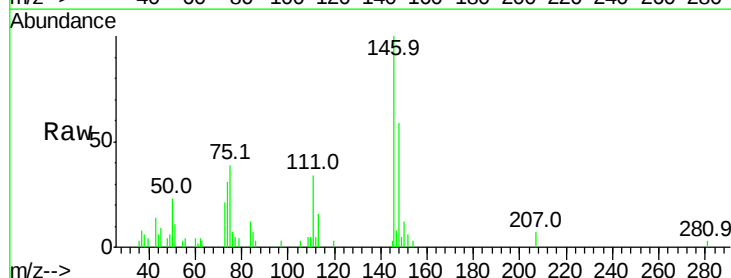
Tgt Ion: 146 Resp: 19296

Ion Ratio Lower Upper

146 100

148 58.5 50.9 76.3

75 39.0 21.4 32.2#



Abundance Ion 146.00 (145.70 to 146.70): BM003414.D (-762) (-)

Ion 148.00 (147.70 to 148.70): BM003414.D (-762) (-)

Ion 75.00 (74.70 to 75.70): BM003414.D (-762) (-)

15000

10000

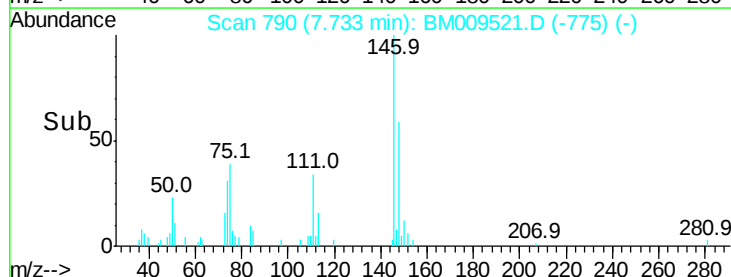
5000

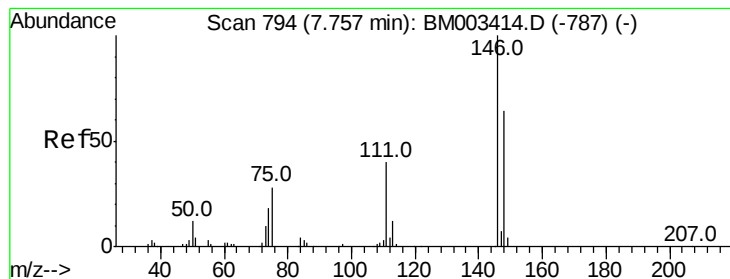
0

7.73

7.70 7.75 7.80

Time-->





#13

1,4-Dichlorobenzene

Concen: 9.60 ng

RT: 7.88 min Scan# 815

Delta R.T. -0.02 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

Instrument :

BNA_M

ClientSampleId :

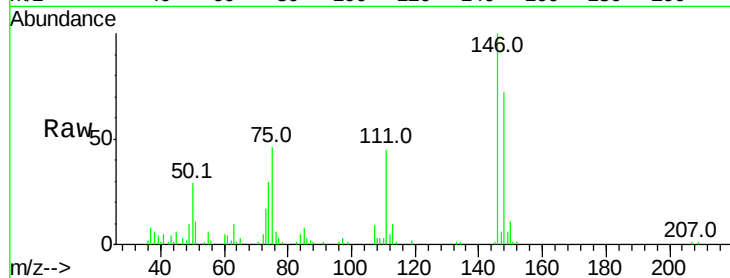
Tot Ion:146 Resp: 85527

Ion Ratio Lower Upper

146 100

148 71.8 51.9 77.9

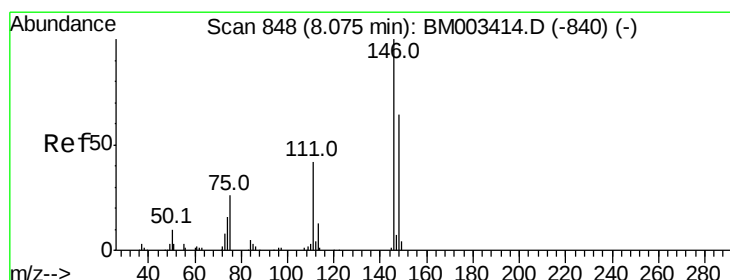
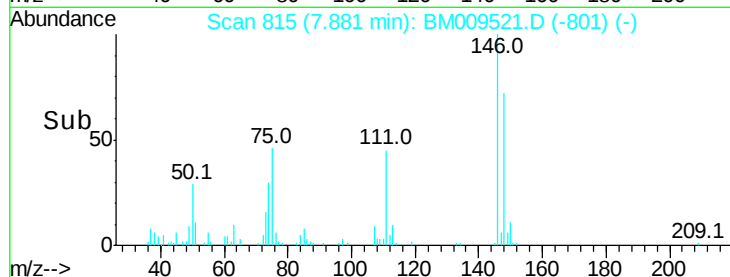
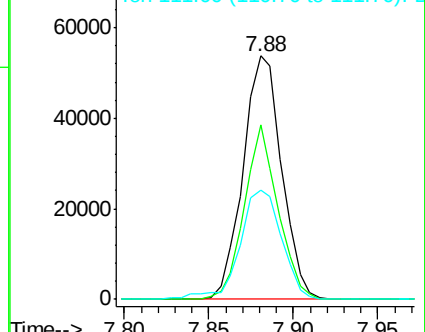
111 45.1 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 84.92 ng

RT: 8.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

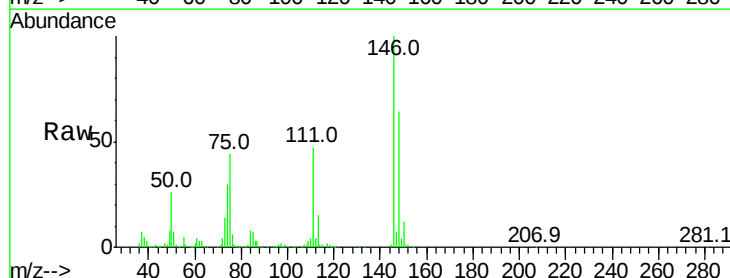
Tgt Ion:146 Resp: 734683

Ion Ratio Lower Upper

146 100

148 64.2 52.3 78.5

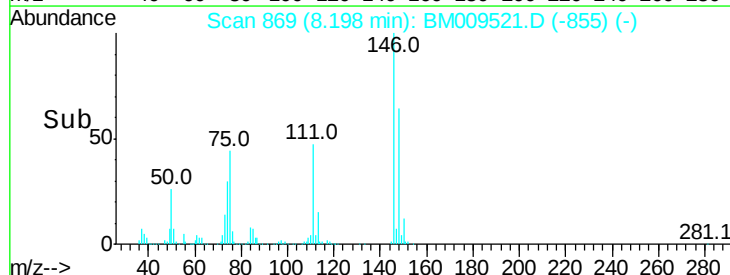
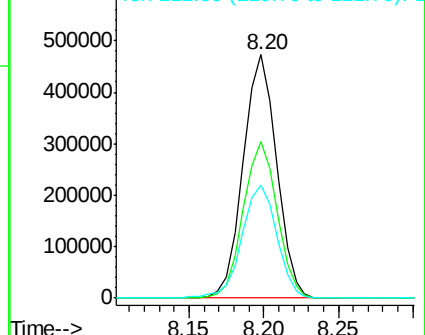
111 46.7 30.6 45.8#

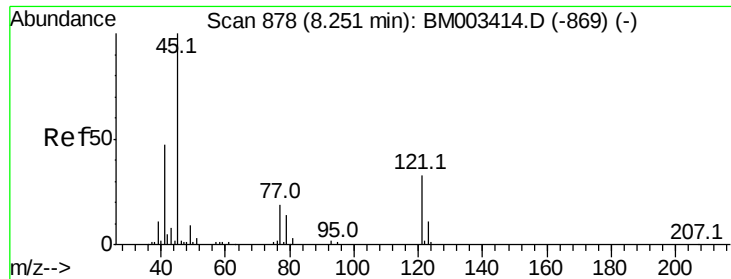


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

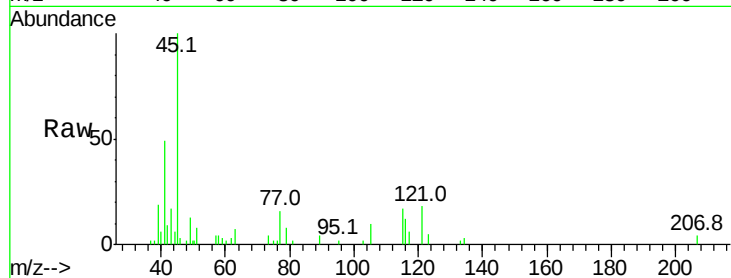




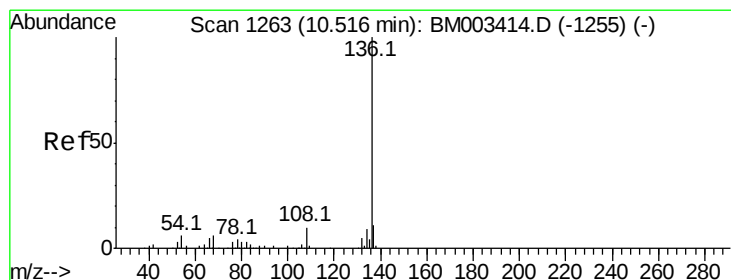
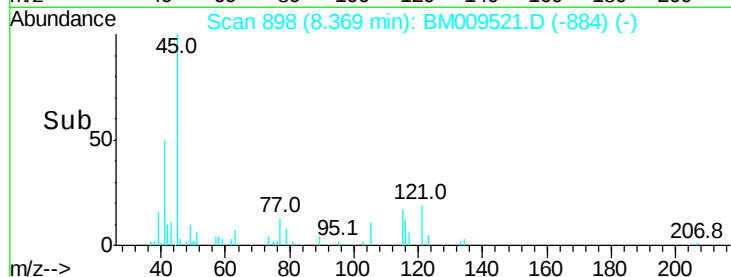
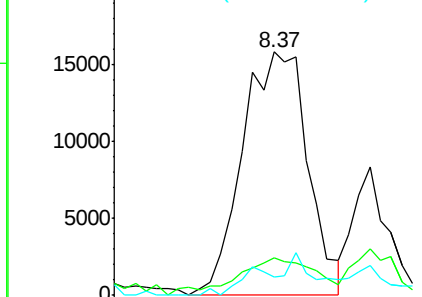
#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 2.65 ng
 RT: 8.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BM009521.D
 Acq: 04 Apr 2017 07:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.2
79	7.7	0.0	32.0

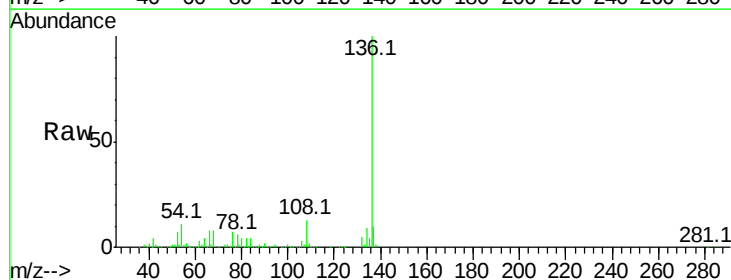


Abundance Ion 45.00 (44.70 to 45.70): BM0
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 79.00 (78.70 to 79.70): BM0

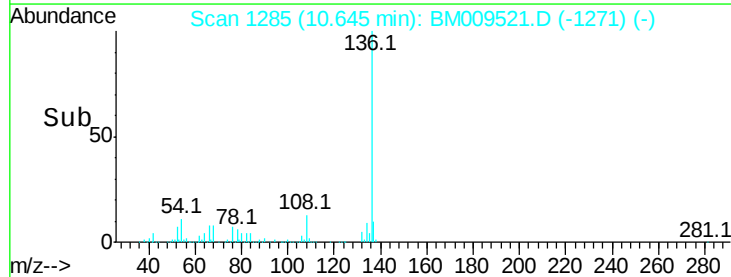
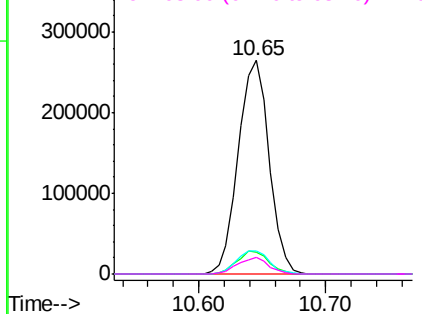


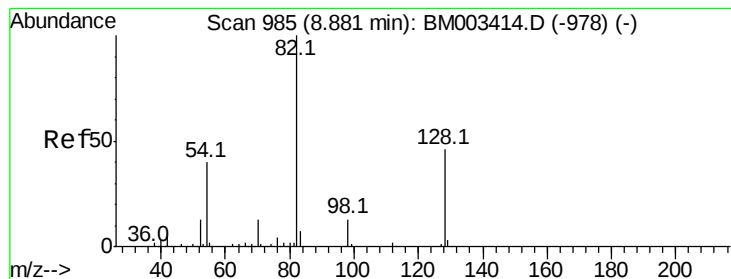
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 10.65 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BM009521.D
 Acq: 04 Apr 2017 07:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.7	13.1
54	10.8	4.6	6.8#
68	8.0	3.7	5.5#



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): BM0
 Ion 68.00 (67.70 to 68.70): BM0





#23

Nitrobenzene-d5

Concen: 92.45 ng

RT: 9.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

Instrument :

BNA_M

ClientSampleId :

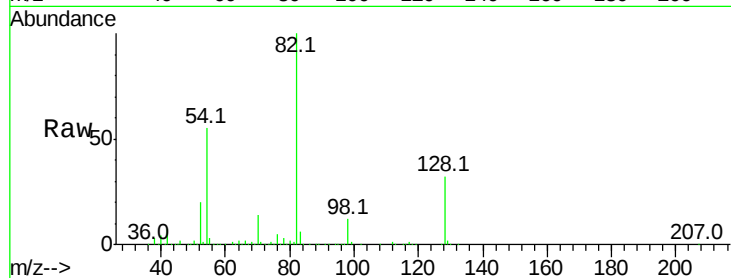
Tot Ion: 82 Resp: 1101516

Ion Ratio Lower Upper

82 100

128 31.9 32.8 49.2#

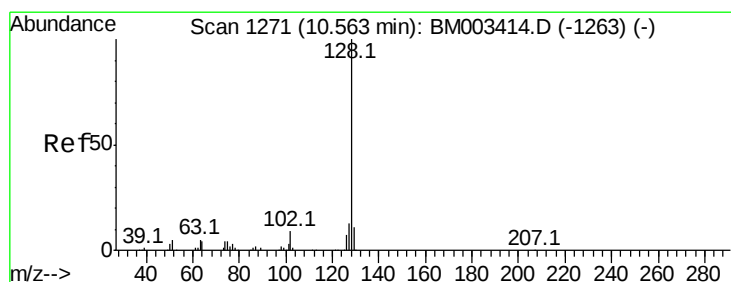
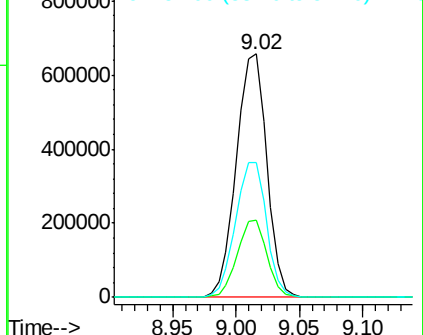
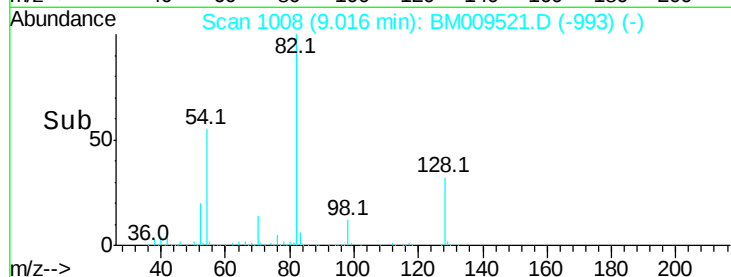
54 55.3 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM009521.D (-993) (-)

Ion 128.00 (127.70 to 128.70): BM009521.D (-993) (-)

Ion 54.00 (53.70 to 54.70): BM009521.D (-993) (-)



#31

Naphthalene

Concen: 37.74 ng

RT: 10.69 min Scan# 1293

Delta R.T. -0.02 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

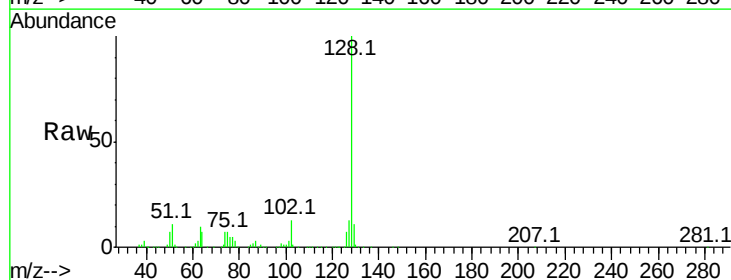
Tgt Ion: 128 Resp: 894927

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

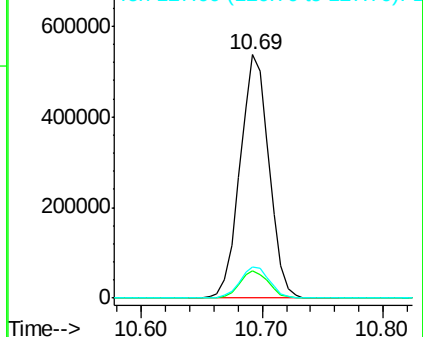
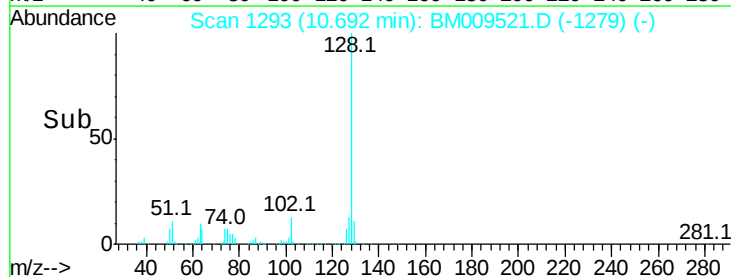
127 13.0 10.4 15.6

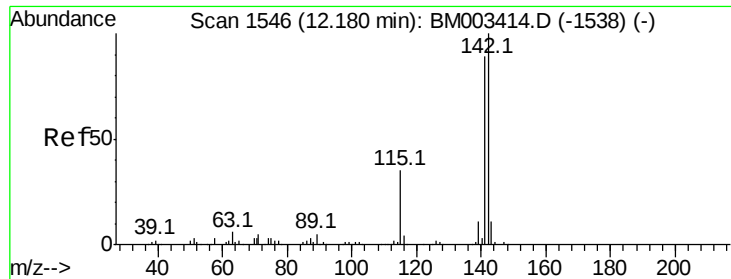


Abundance Ion 128.00 (127.70 to 128.70): BM009521.D (-1279) (-)

Ion 129.00 (128.70 to 129.70): BM009521.D (-1279) (-)

Ion 127.00 (126.70 to 127.70): BM009521.D (-1279) (-)

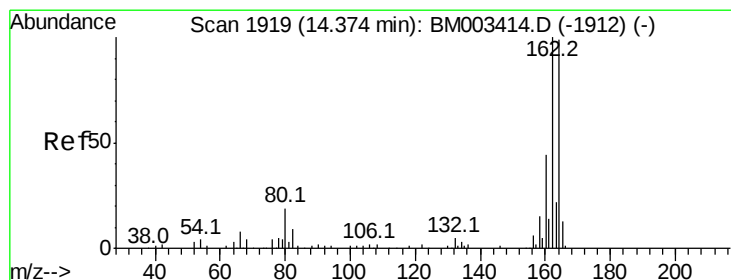
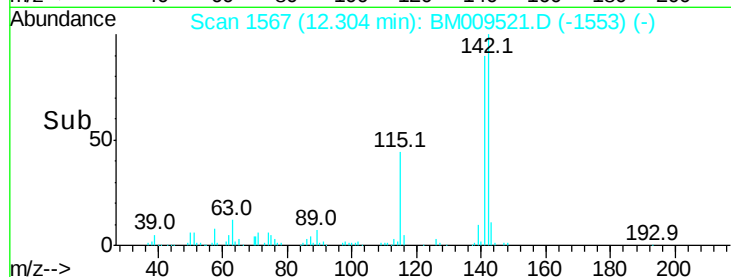
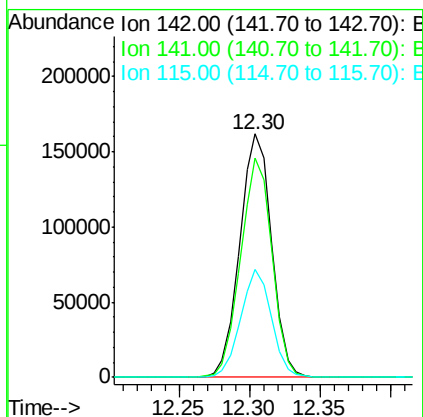
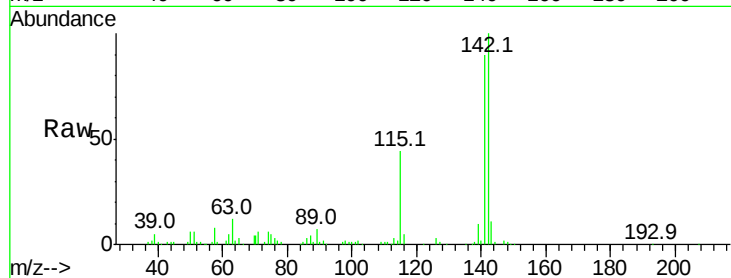




#37
2-Methylnaphthalene
Concen: 15.59 ng
RT: 12.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

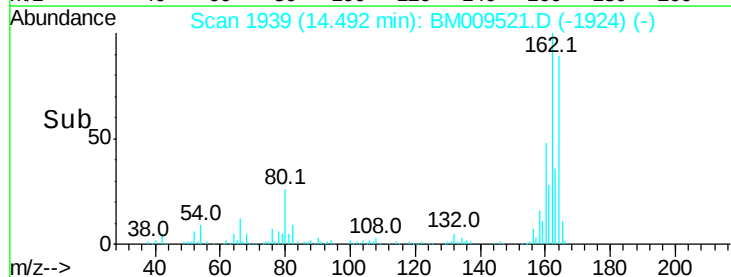
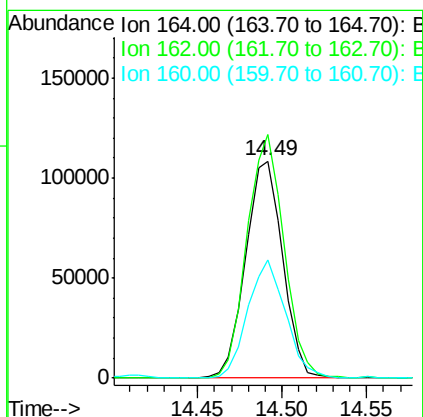
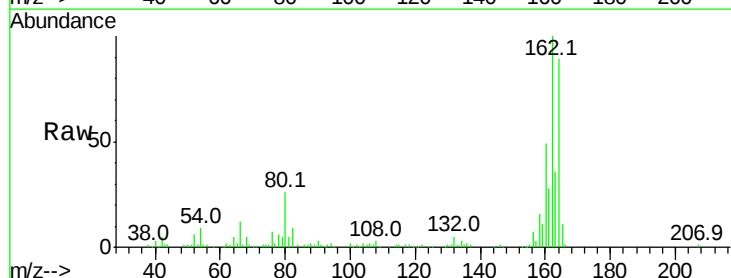
Instrument :
BNA_M
ClientSampleId :

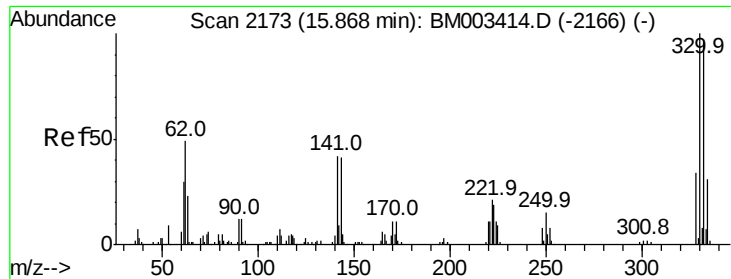
Tot Ion:142 Resp: 255180
Ion Ratio Lower Upper
142 100
141 89.8 71.9 107.9
115 44.2 25.4 38.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.49 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

Tgt Ion:164 Resp: 166567
Ion Ratio Lower Upper
164 100
162 112.1 82.4 123.6
160 54.4 35.8 53.6#

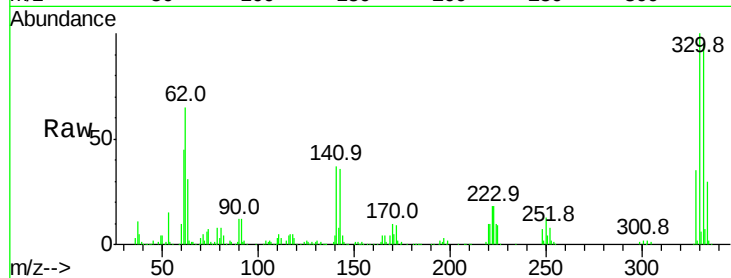




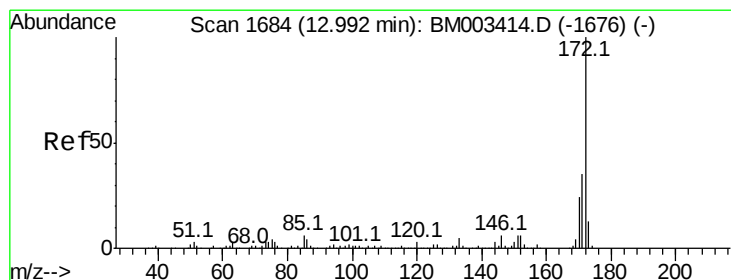
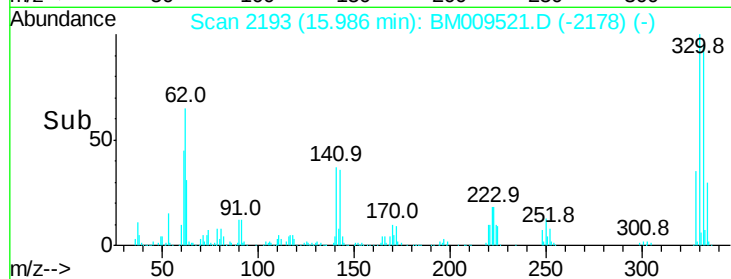
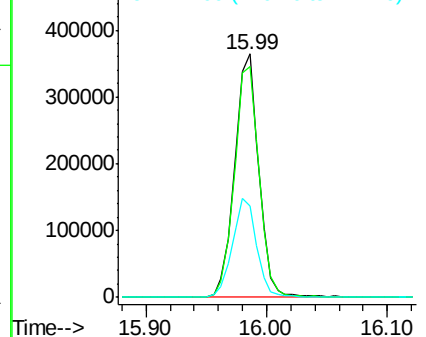
#41
 2,4,6-Tribromophenol
 Concen: 244.64 ng
 RT: 15.99 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BM009521.D
 Acq: 04 Apr 2017 07:37

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	41.0	0.0	0.0#

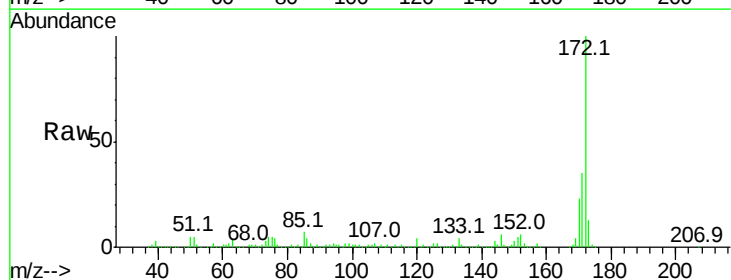


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

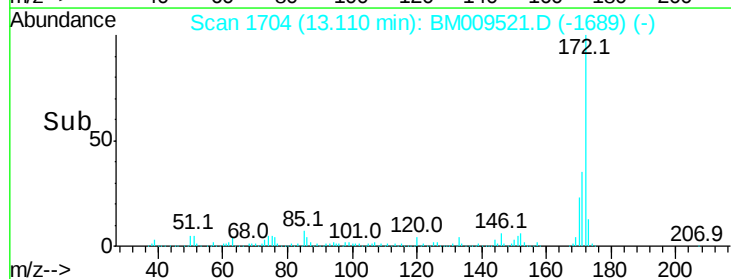
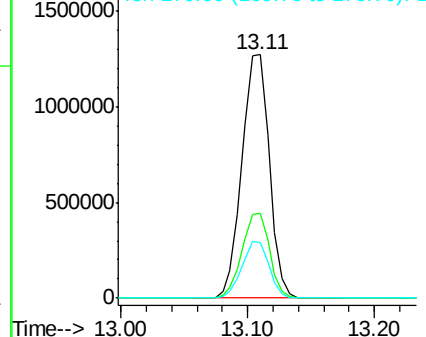


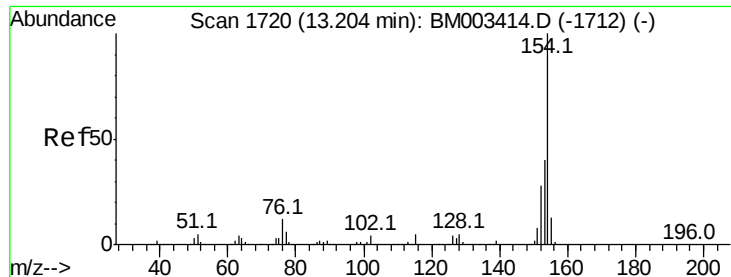
#44
 2-Fluorobiphenyl
 Concen: 138.07 ng
 RT: 13.11 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM009521.D
 Acq: 04 Apr 2017 07:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	22.7	18.8	28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.02 ng

RT: 13.32 min Scan# 1739

Delta R.T. -0.02 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

Instrument :

BNA_M

ClientSampled :

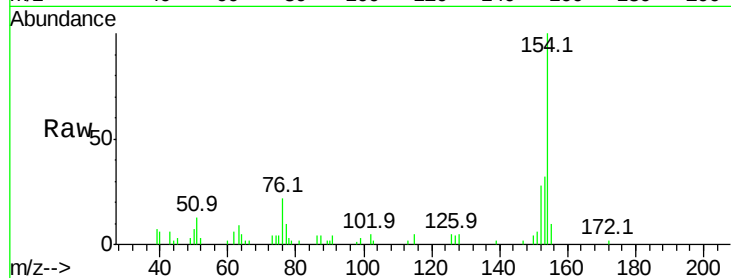
Tot Ion:154 Resp: 27944

Ion Ratio Lower Upper

154 100

153 32.4 20.7 60.7

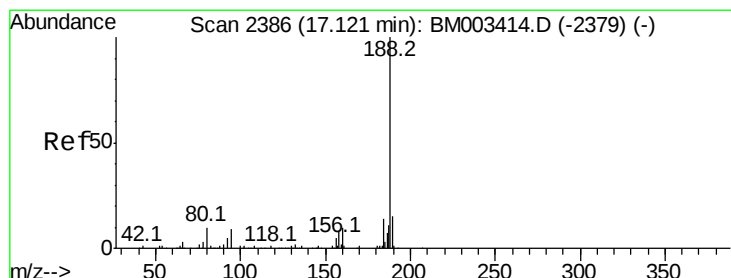
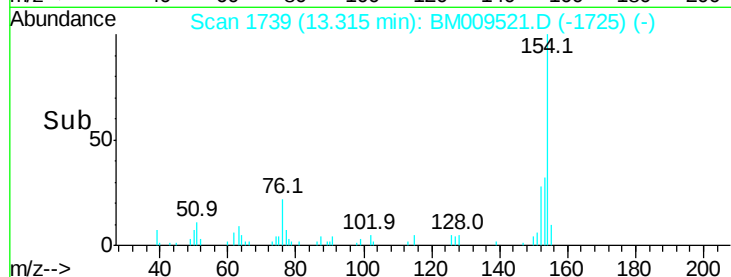
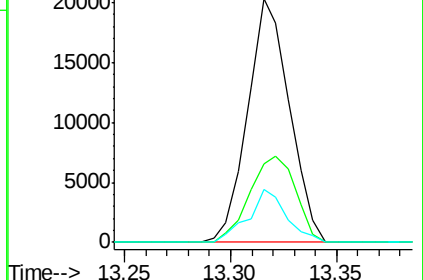
76 21.7 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.24 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BM009521.D

Acq: 04 Apr 2017 07:37

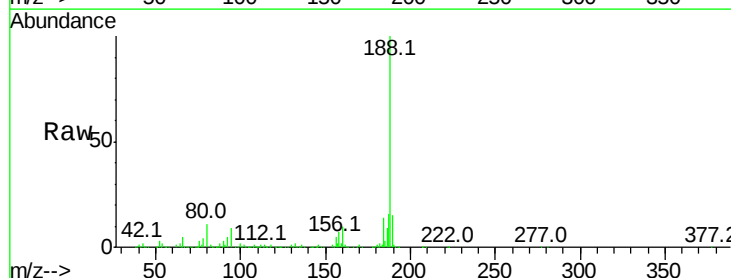
Tgt Ion:188 Resp: 572272

Ion Ratio Lower Upper

188 100

94 9.3 8.7 13.1

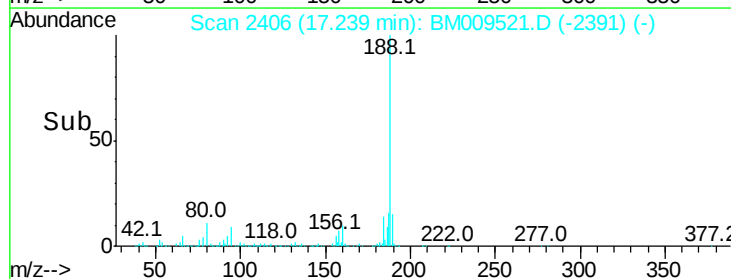
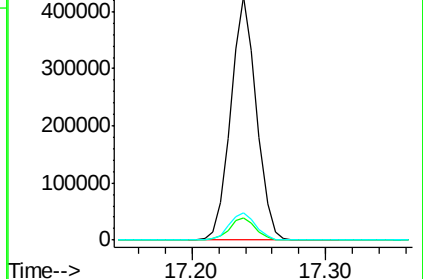
80 11.1 9.3 13.9

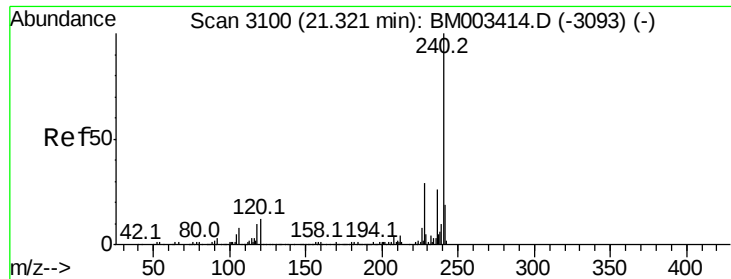


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

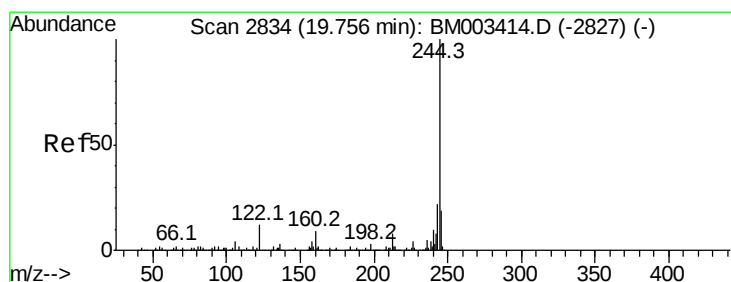
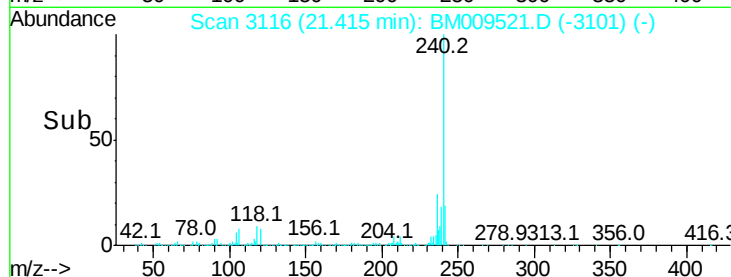
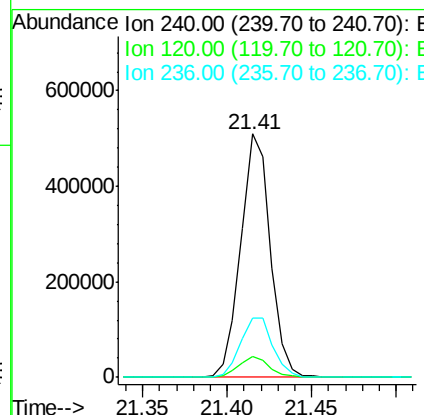
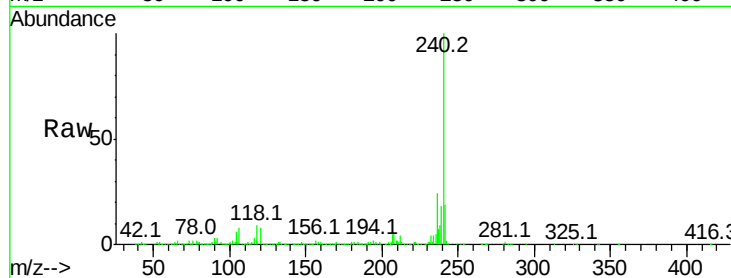




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.41 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

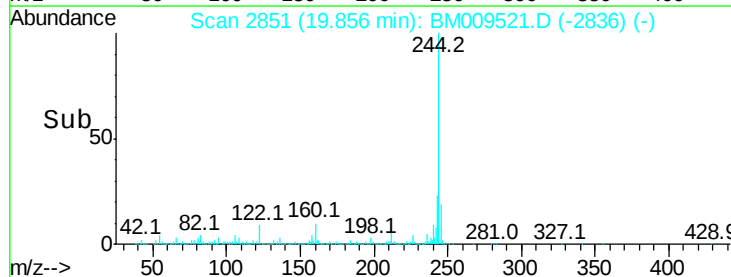
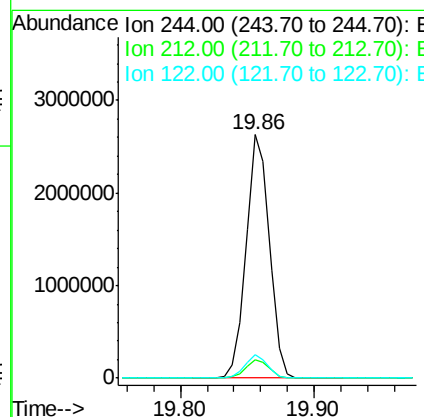
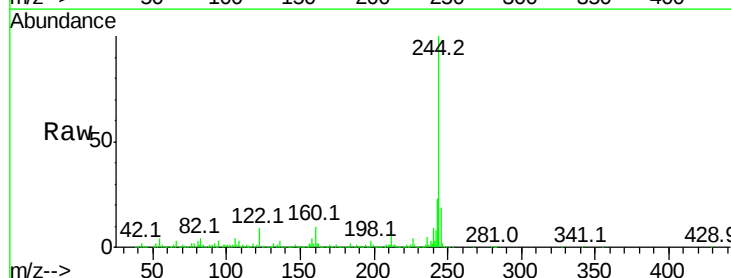
Instrument :
BNA_M
ClientSampleId :

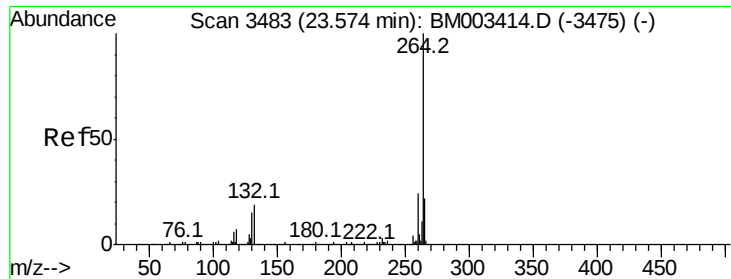
Tot Ion:240 Resp: 620610
Ion Ratio Lower Upper
240 100
120 8.5 8.2 12.2
236 24.3 20.0 30.0



#78
Terphenyl-d14
Concen: 106.02 ng
RT: 19.86 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BM009521.D
Acq: 04 Apr 2017 07:37

Tgt Ion:244 Resp: 3148647
Ion Ratio Lower Upper
244 100
212 7.3 4.9 7.3#
122 9.5 6.2 9.4#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 23.74 min Scan# 3511
 Delta R.T. -0.02 min
 Lab File: BM009521.D
 Acq: 04 Apr 2017 07:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:264 Resp: 117029
 Ion Ratio Lower Upper
 264 100
 260 38.9 18.6 27.8#
 265 20.2 17.3 25.9

