

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040317\
 Data File : BM009512.D
 Acq On : 03 Apr 2017 22:17
 Operator : SJ/MA
 Sample : I2508-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-B53-B57-001

Quant Time: Apr 04 10:57:05 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

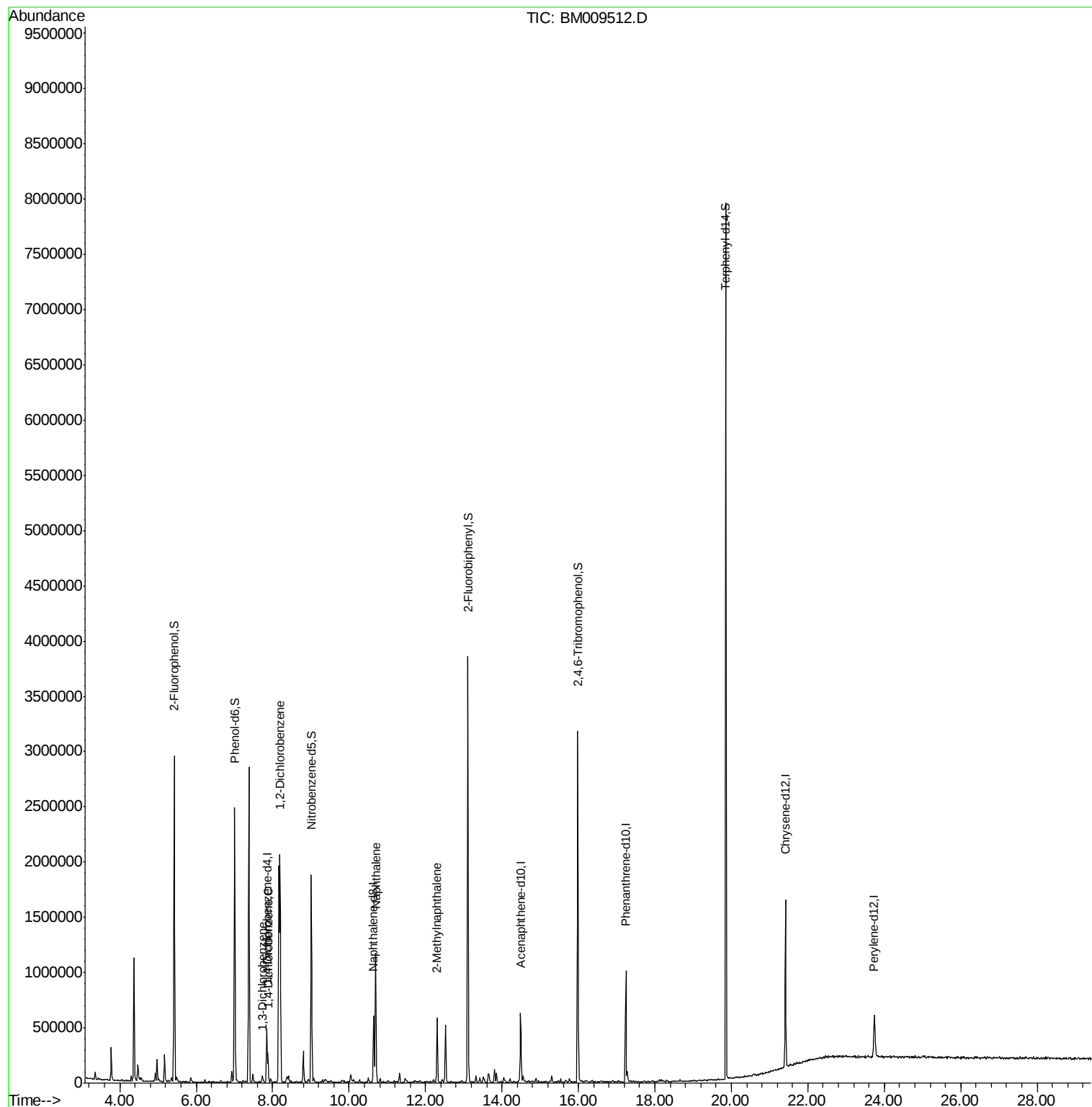
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	103837	20.00	ng	-0.02
21) Naphthalene-d8	10.64	136	407760	20.00	ng	-0.02
38) Acenaphthene-d10	14.49	164	172599	20.00	ng	-0.02
63) Phenanthrene-d10	17.24	188	541356	20.00	ng	-0.01
75) Chrysene-d12	21.42	240	654571	20.00	ng	-0.01
86) Perylene-d12	23.73	264	144790	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	958137	153.80	ng	-0.01
7) Phenol-d6	7.00	99	1131477	133.19	ng	-0.02
23) Nitrobenzene-d5	9.01	82	1012845	93.13	ng	-0.02
41) 2,4,6-Tribromophenol	15.98	330	467716	218.13	ng	-0.02
44) 2-Fluorobiphenyl	13.10	172	1772023	123.71	ng	-0.02
78) Terphenyl-d14	19.86	244	3039128	97.02	ng	-0.01
Target Compounds						
12) 1,3-Dichlorobenzene	7.73	146	17941	2.37	ng	# 82
13) 1,4-Dichlorobenzene	7.88	146	77908	9.97	ng	92
14) 1,2-Dichlorobenzene	8.20	146	679717	89.58	ng	# 94
31) Naphthalene	10.69	128	822807	38.02	ng	100
37) 2-Methylnaphthalene	12.30	142	237970	15.93	ng	# 95

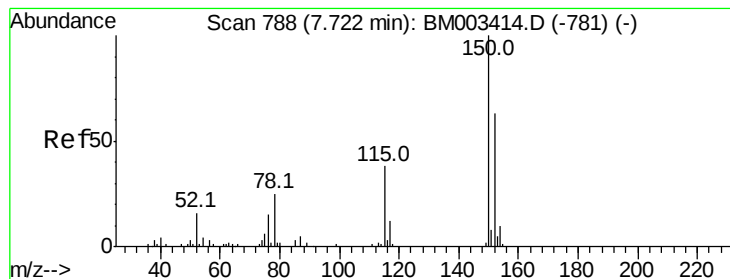
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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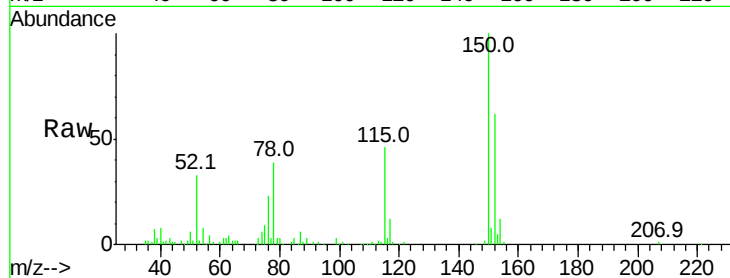


#1

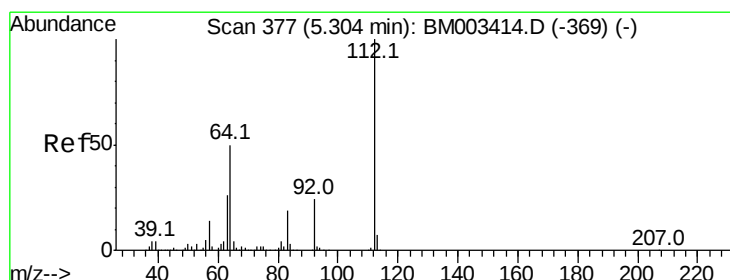
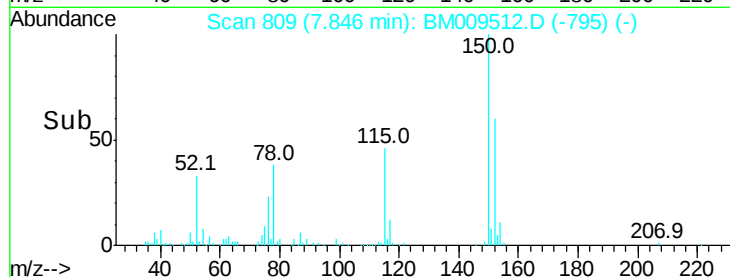
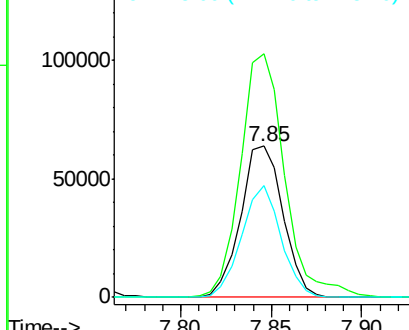
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BM009512.D
Acq: 03 Apr 2017 22:17

Instrument :
BNA_M
ClientSampleId :
WC-B53-B57-001

Tot Ion:152 Resp: 103837
Ion Ratio Lower Upper
152 100
150 161.1 119.5 179.3
115 74.1 43.0 64.4#



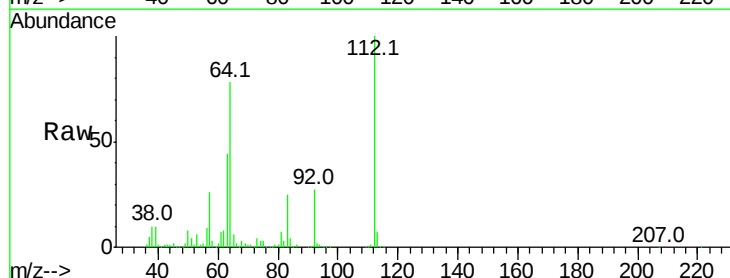
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



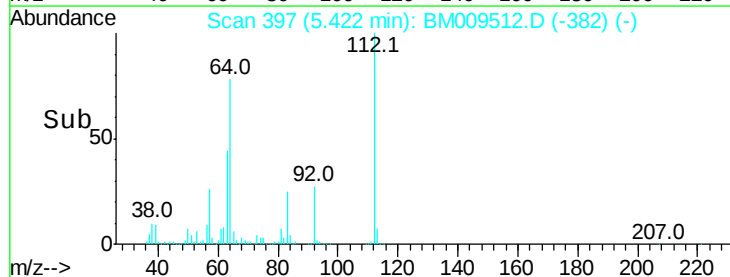
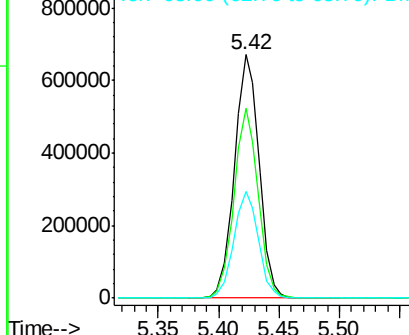
#5

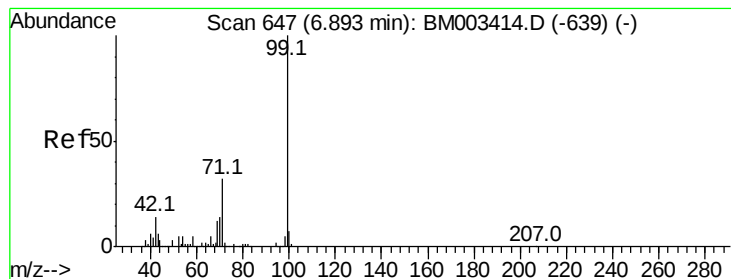
2-Fluorophenol
Concen: 153.80 ng
RT: 5.42 min Scan# 397
Delta R.T. -0.01 min
Lab File: BM009512.D
Acq: 03 Apr 2017 22:17

Tgt Ion:112 Resp: 958137
Ion Ratio Lower Upper
112 100
64 77.9 38.6 57.8#
63 43.6 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: 133.19 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

BNA_M

ClientSampleId :

WC-B53-B57-001

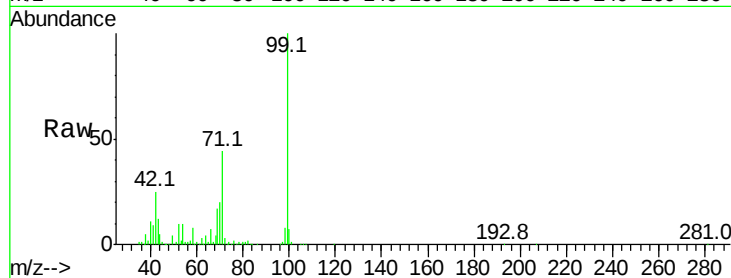
Tot Ion: 99 Resp: 1131477

Ion Ratio Lower Upper

99 100

42 24.9 11.0 16.4#

71 44.0 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

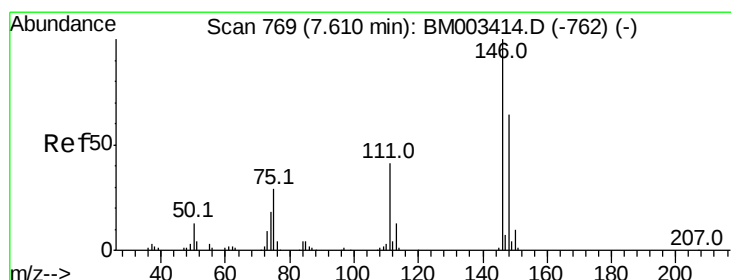
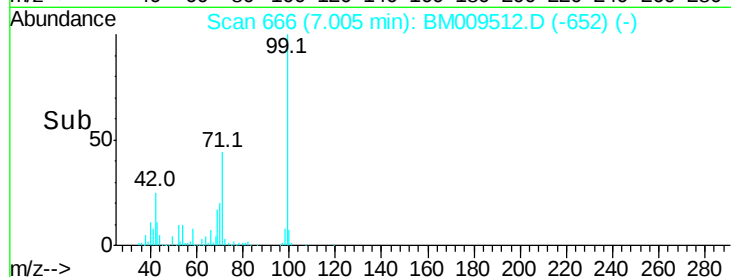
400000

200000

0

7.00

Time--> 6.90 6.95 7.00 7.05 7.10



#12

1,3-Dichlorobenzene

Concen: 2.37 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

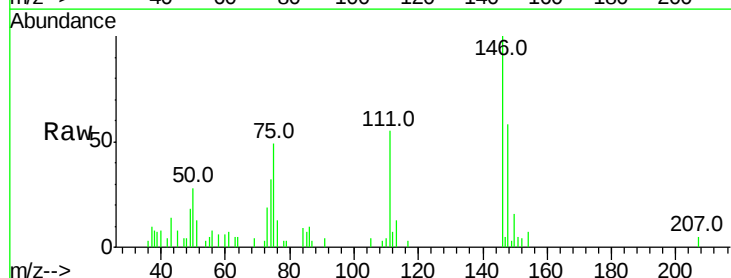
Tgt Ion: 146 Resp: 17941

Ion Ratio Lower Upper

146 100

148 58.1 50.9 76.3

75 49.3 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

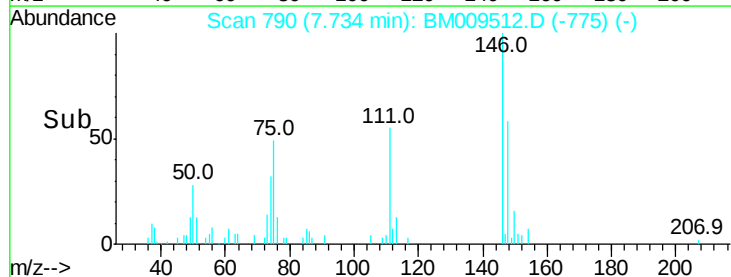
10000

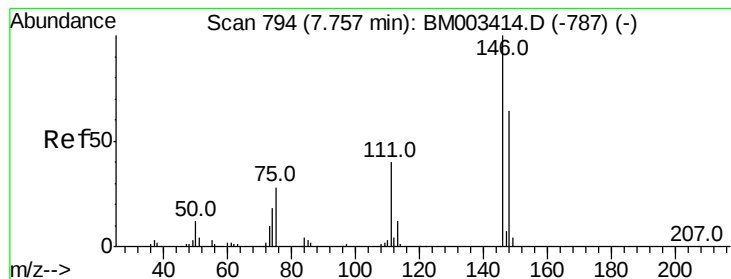
5000

0

7.73

Time--> 7.70 7.75





#13

1,4-Dichlorobenzene

Concen: 9.97 ng

RT: 7.88 min Scan# 815

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

BNA_M

ClientSampleId :

WC-B53-B57-001

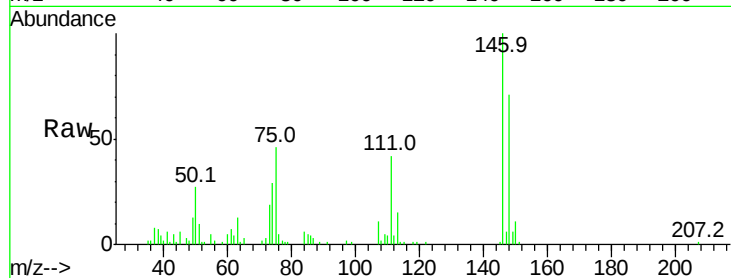
Tot Ion:146 Resp: 77908

Ion Ratio Lower Upper

146 100

148 70.6 51.9 77.9

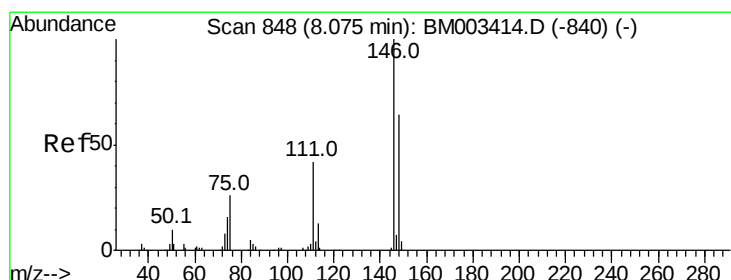
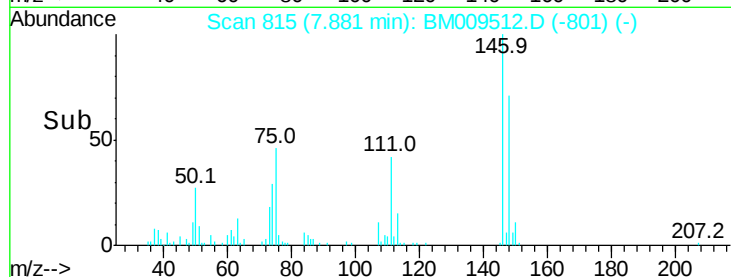
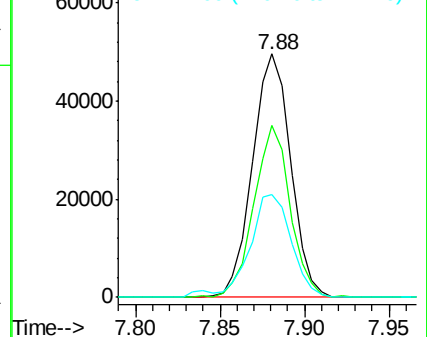
111 42.3 29.2 43.8



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: 89.58 ng

RT: 8.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

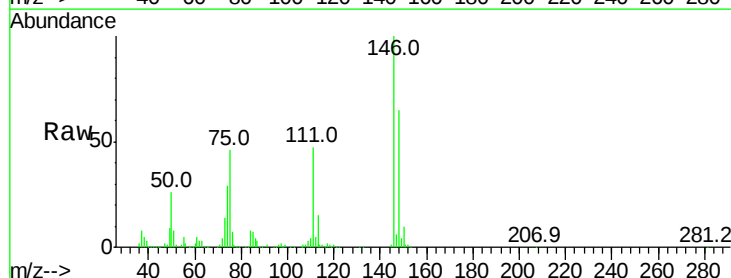
Tgt Ion:146 Resp: 679717

Ion Ratio Lower Upper

146 100

148 64.8 52.3 78.5

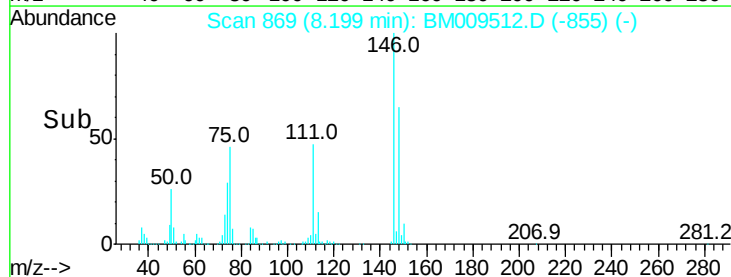
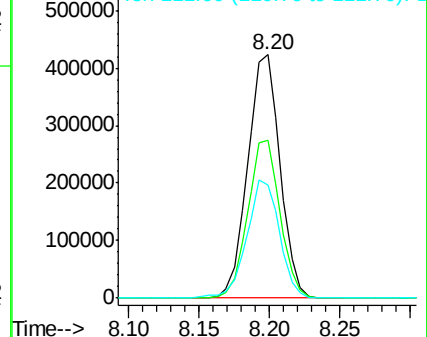
111 46.5 30.6 45.8#

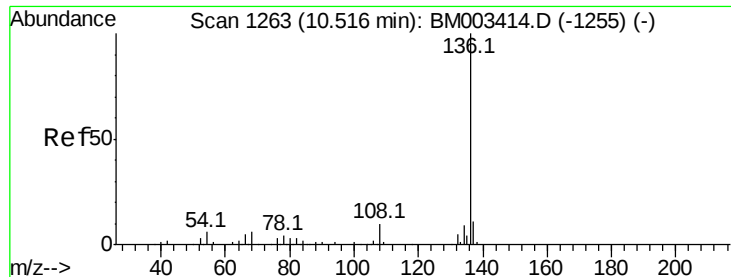


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

BNA_M

ClientSampleId :

WC-B53-B57-001

Tot Ion:136 Resp: 407760

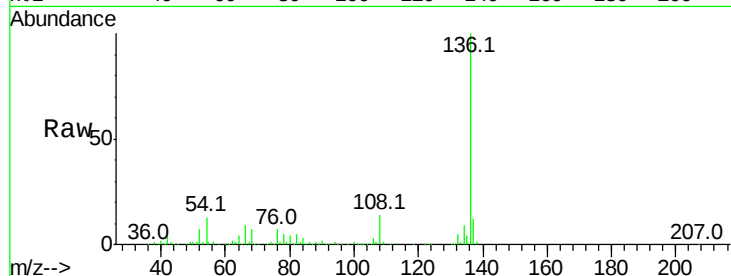
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 12.7 4.6 6.8#

68 7.1 3.7 5.5#

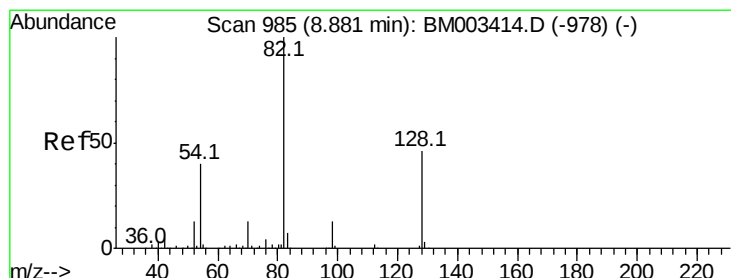
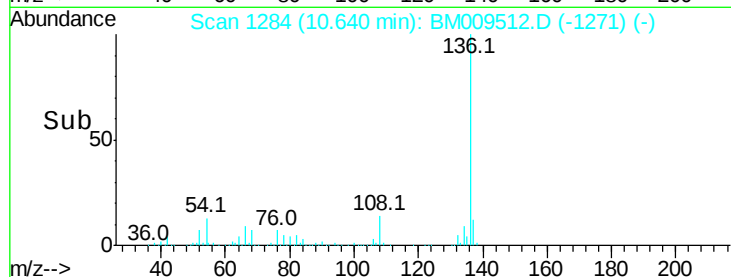
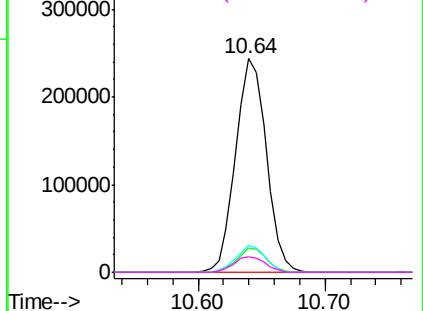


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 93.13 ng

RT: 9.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

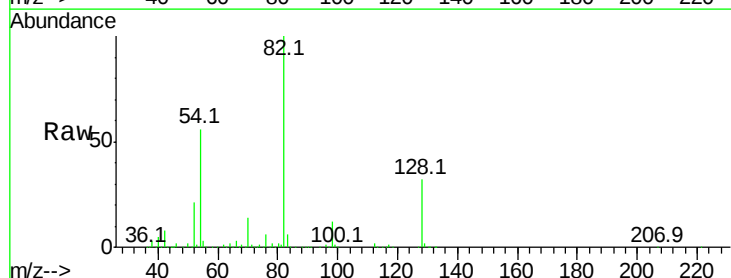
Tgt Ion: 82 Resp: 1012845

Ion Ratio Lower Upper

82 100

128 32.2 32.8 49.2#

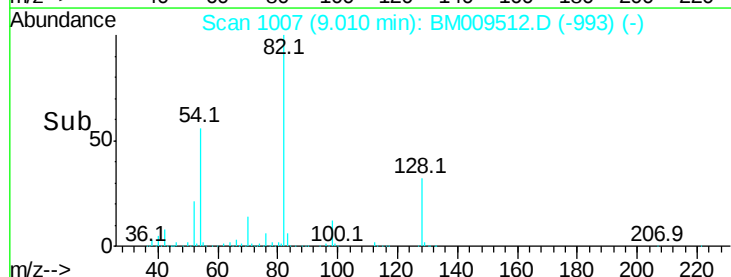
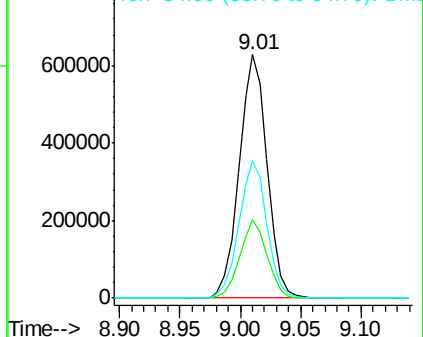
54 56.3 40.6 60.8

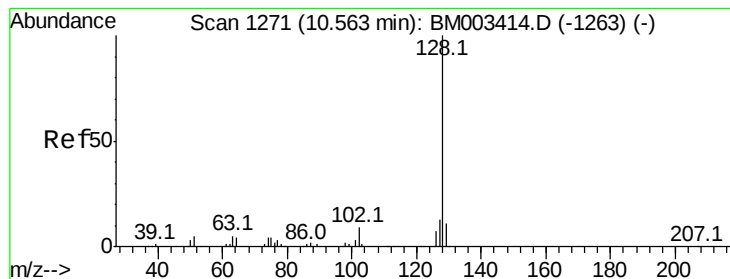


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#31

Naphthalene

Concen: 38.02 ng

RT: 10.69 min Scan# 1293

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

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ClientSampleId :

WC-B53-B57-001

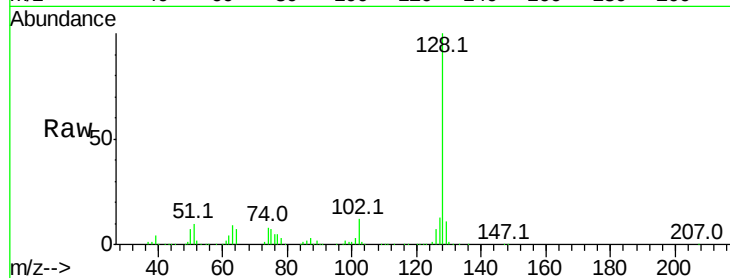
Tot Ion:128 Resp: 822807

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

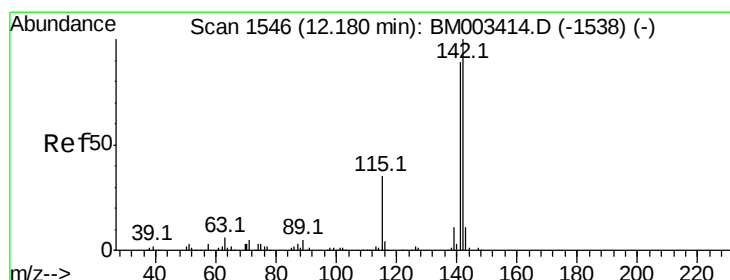
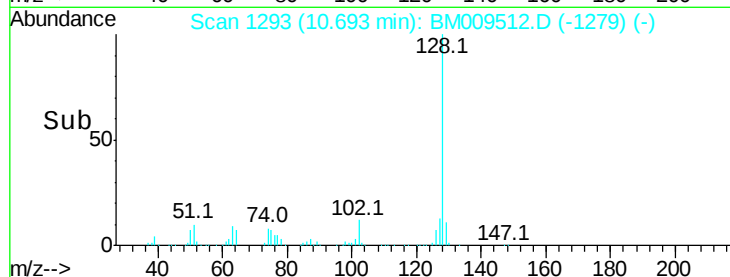
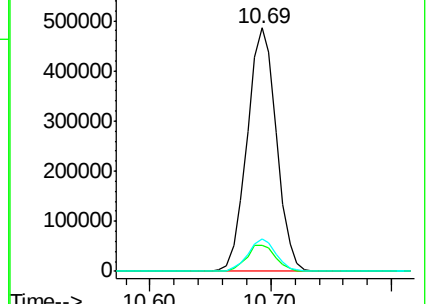
127 13.1 10.4 15.6



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



#37

2-Methylnaphthalene

Concen: 15.93 ng

RT: 12.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

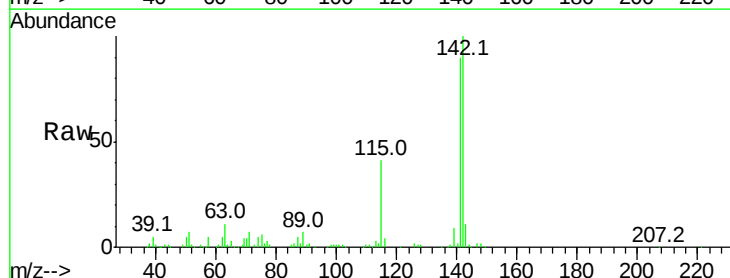
Tgt Ion:142 Resp: 237970

Ion Ratio Lower Upper

142 100

141 90.2 71.9 107.9

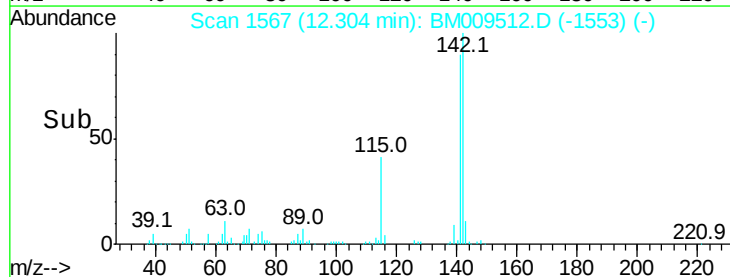
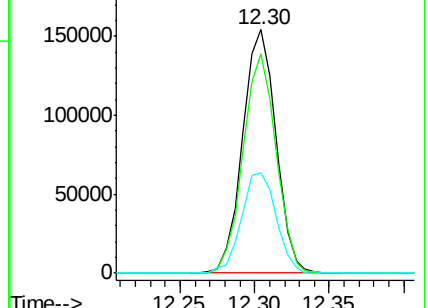
115 41.0 25.4 38.0#

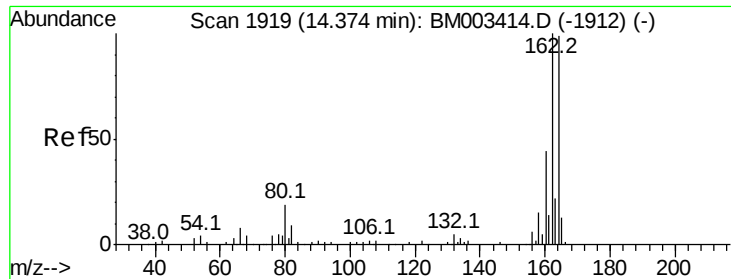


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

BNA_M

ClientSampleId :

WC-B53-B57-001

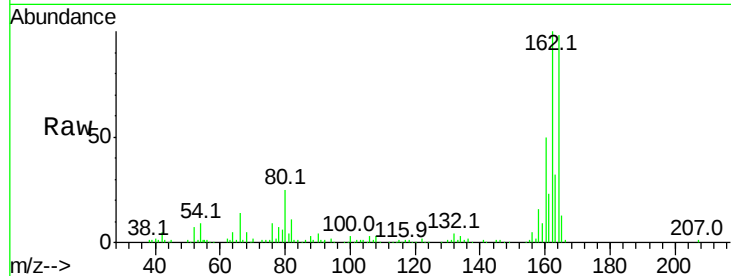
Tot Ion:164 Resp: 172599

Ion Ratio Lower Upper

164 100

162 101.7 82.4 123.6

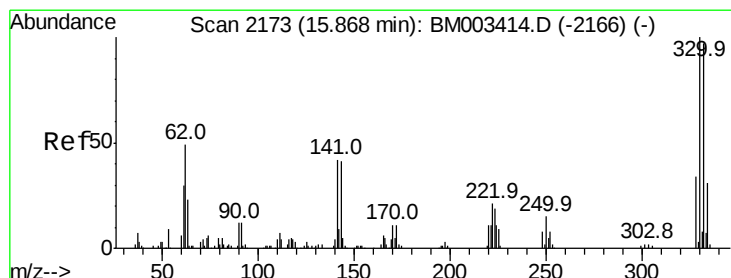
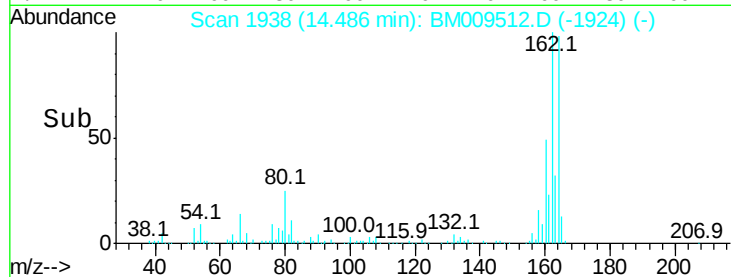
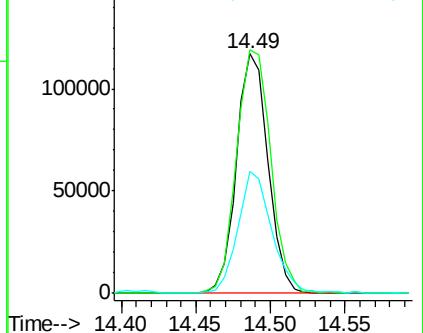
160 50.9 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: 218.13 ng

RT: 15.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

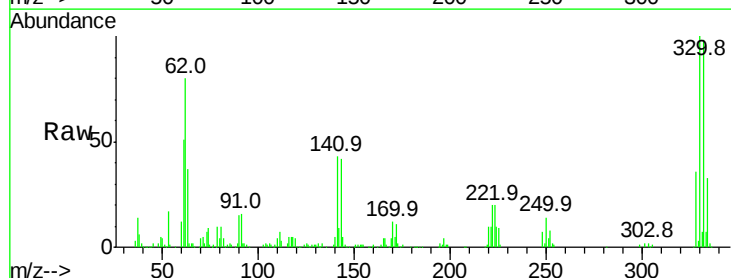
Tgt Ion:330 Resp: 467716

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

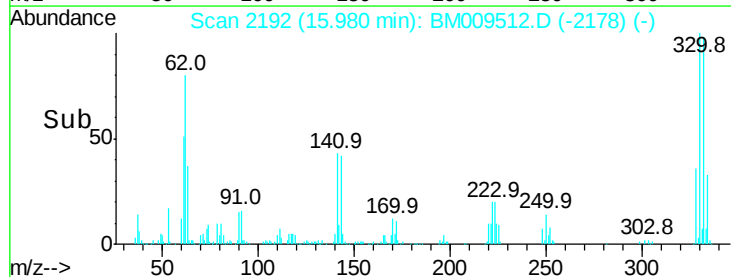
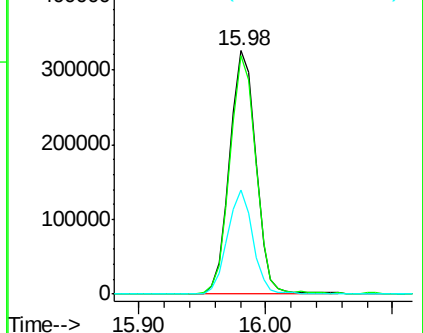
141 41.5 0.0 0.0#

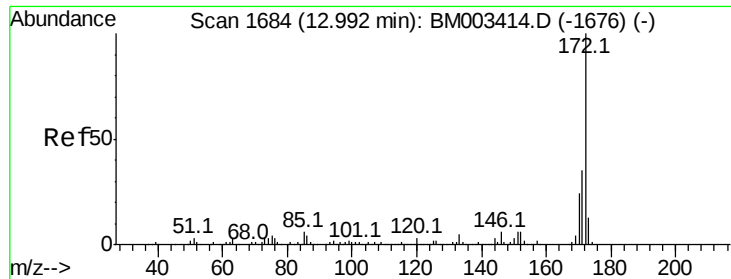


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

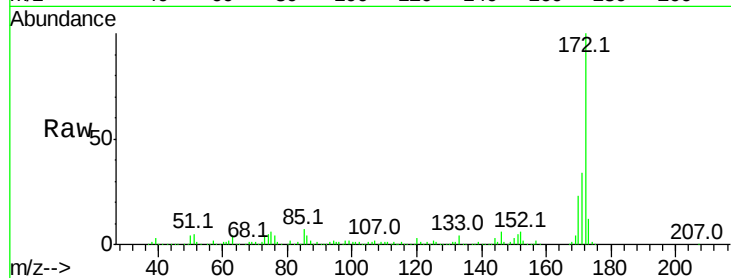




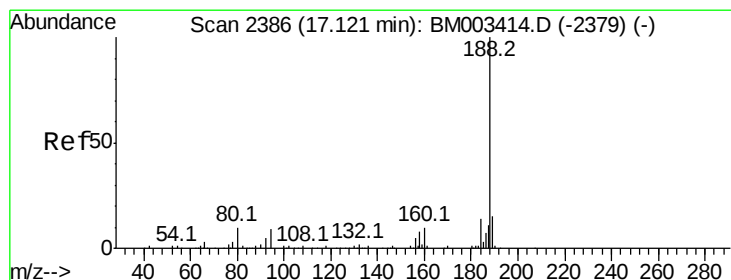
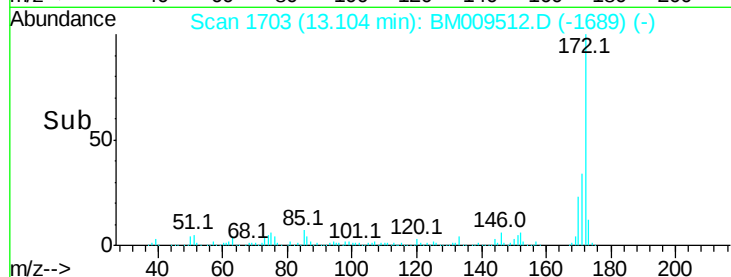
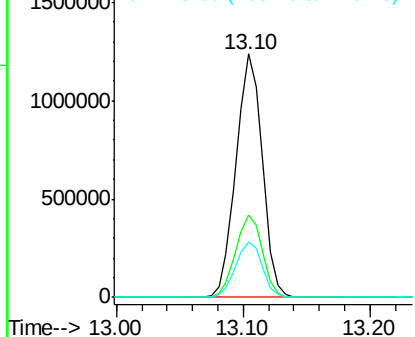
#44
2-Fluorobiphenyl
Concen: 123.71 ng
RT: 13.10 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM009512.D
Acq: 03 Apr 2017 22:17

Instrument :
BNA_M
ClientSampleId :
WC-B53-B57-001

Tot Ion:172 Resp: 1772023
Ion Ratio Lower Upper
172 100
171 33.8 28.5 42.7
170 22.7 18.8 28.2

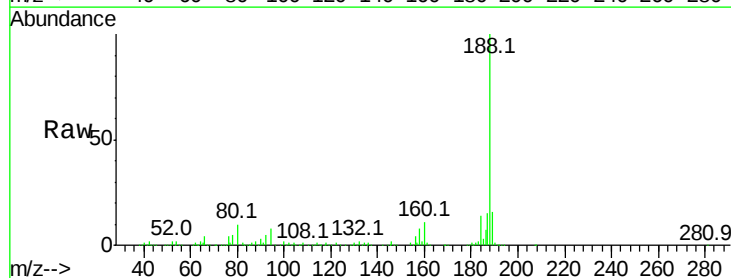


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

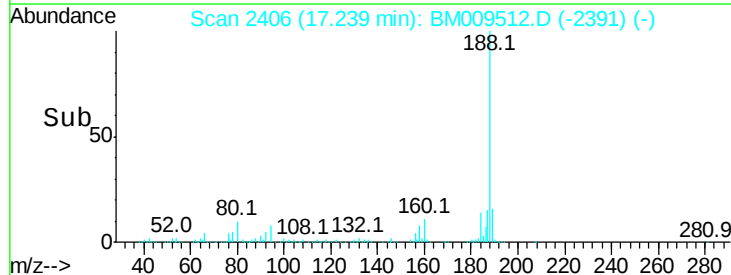
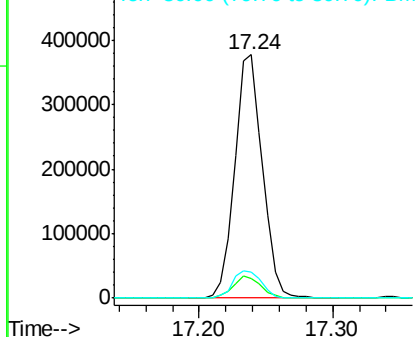


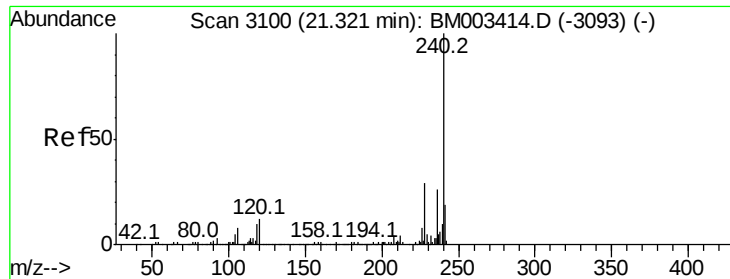
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM009512.D
Acq: 03 Apr 2017 22:17

Tgt Ion:188 Resp: 541356
Ion Ratio Lower Upper
188 100
94 8.2 8.7 13.1#
80 10.5 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

Instrument :

BNA_M

ClientSampleId :

WC-B53-B57-001

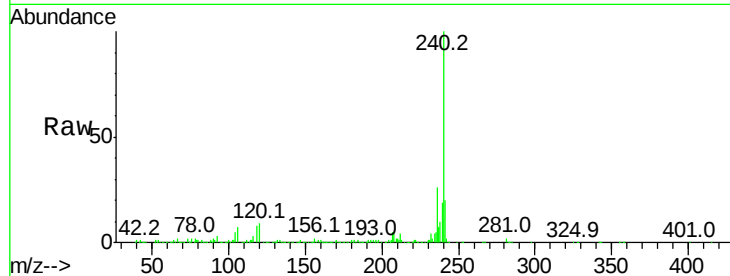
Tot Ion:240 Resp: 654571

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.2

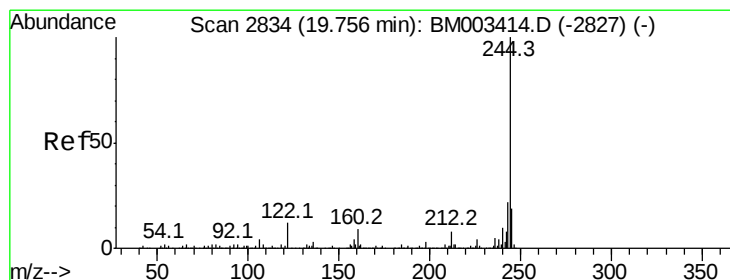
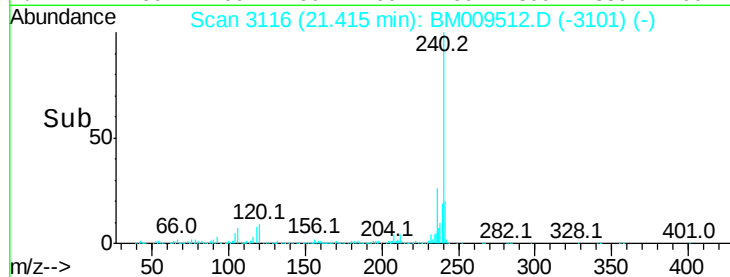
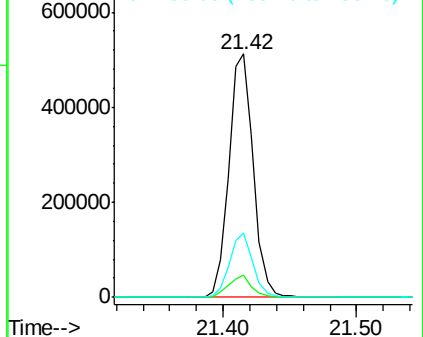
236 26.2 20.0 30.0



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



#78

Terphenyl-d14

Concen: 97.02 ng

RT: 19.86 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BM009512.D

Acq: 03 Apr 2017 22:17

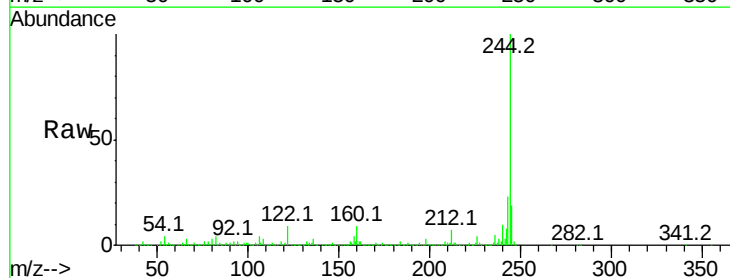
Tgt Ion:244 Resp: 3039128

Ion Ratio Lower Upper

244 100

212 7.1 4.9 7.3

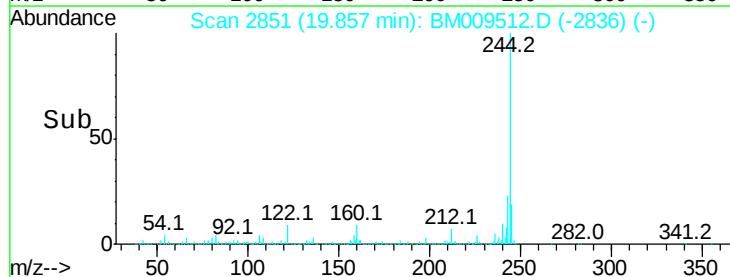
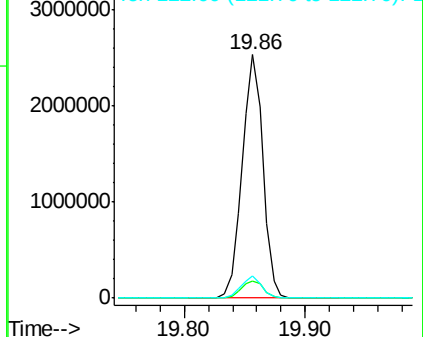
122 9.3 6.2 9.4

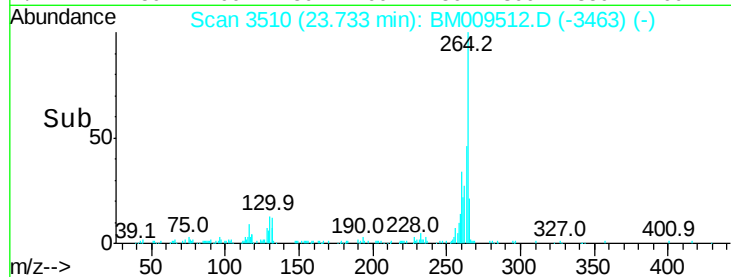
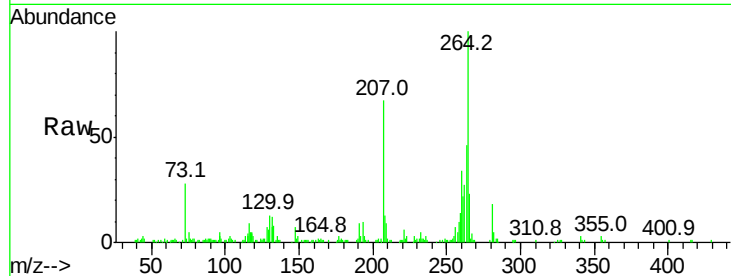
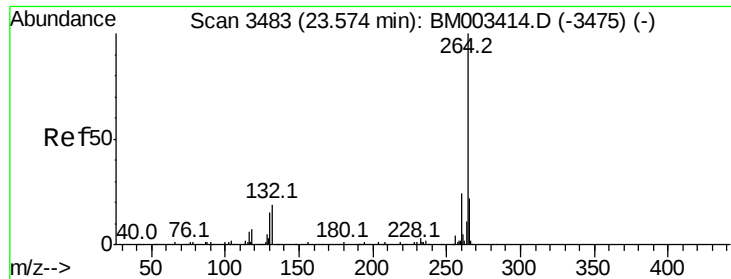


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.73 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BM009512.D
Acq: 03 Apr 2017 22:17

Instrument :
BNA_M
ClientSampleId :
WC-B53-B57-001

Tot Ion	Ratio	Lower	Upper
264	100		
260	34.3	18.6	27.8#
265	22.7	17.3	25.9

