

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060618\
 Data File : BM015513.D
 Acq On : 07 Jun 2018 06:31
 Operator : SJ/JU
 Sample : J3306-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 07:43:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 06 14:01:06 2018
 Response via : Initial Calibration

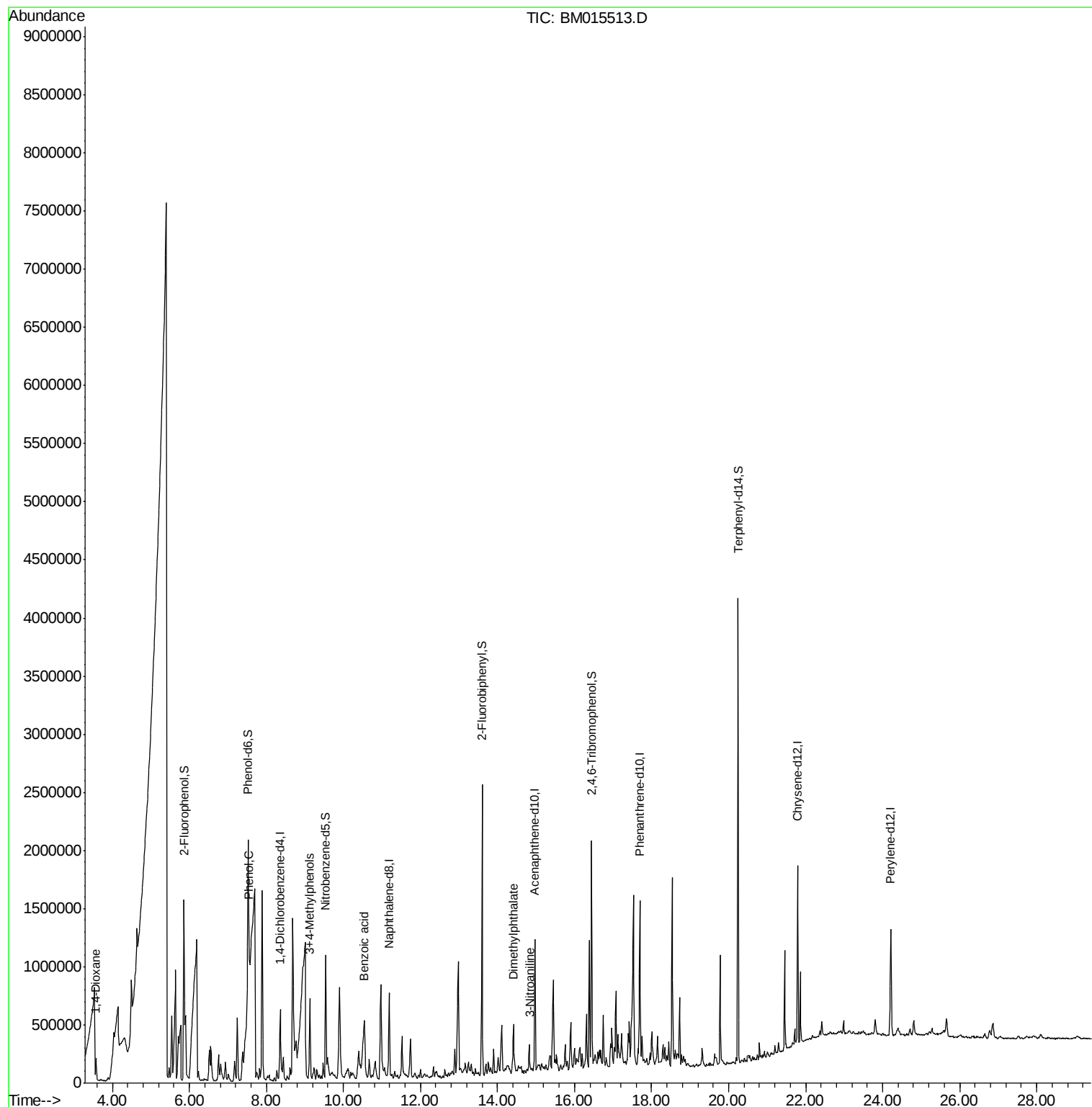
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	143105	20.00	ng	0.00
21) Naphthalene-d8	11.19	136	577562	20.00	ng	0.00
38) Acenaphthene-d10	14.97	164	302831	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	645016	20.00	ng	0.00
75) Chrysene-d12	21.79	240	655282	20.00	ng	-0.01
86) Perylene-d12	24.21	264	646646	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	572330	68.03	ng	0.00
7) Phenol-d6	7.53	99	706411	55.55	ng	0.02
23) Nitrobenzene-d5	9.54	82	562258	52.95	ng	0.00
41) 2,4,6-Tribromophenol	16.44	330	308698	70.93	ng	0.00
44) 2-Fluorobiphenyl	13.60	172	1160777	51.47	ng	0.00
78) Terphenyl-d14	20.24	244	1669782	58.82	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.58	88	9606	3.062	ng	Qvalue # 100
10) Phenol	7.55	94	92778	7.194	ng	81
20) 3+4-Methylphenols	9.13	107	151231	12.052	ng	89
32) Benzoic acid	10.53	122	243687	36.490	ng	94
49) Dimethylphthalate	14.42	163	121694	4.680	ng	100
52) 3-Nitroaniline	14.84	138	16089	2.740	ng	# 19

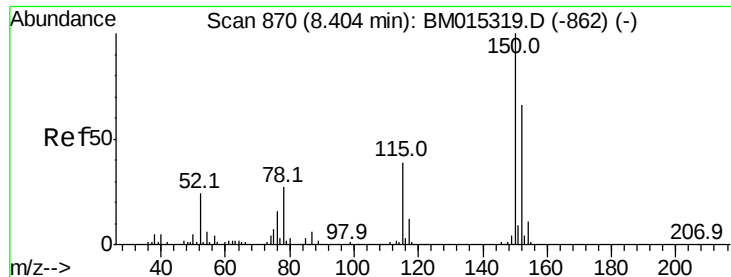
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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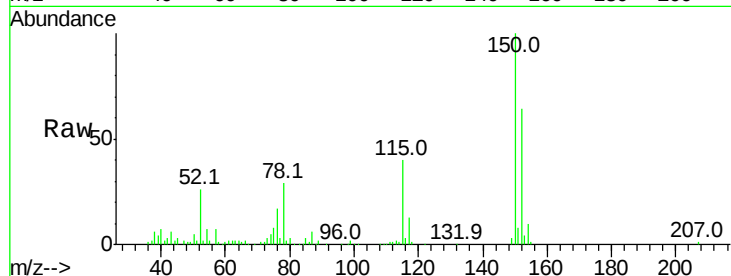


#1

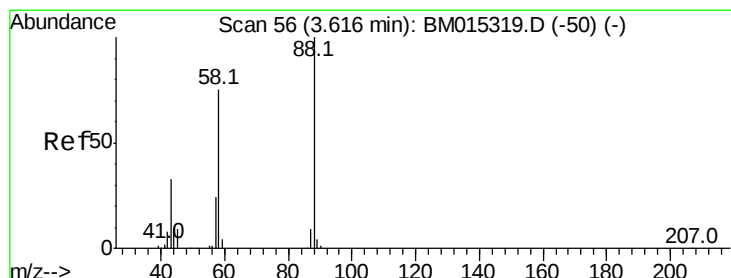
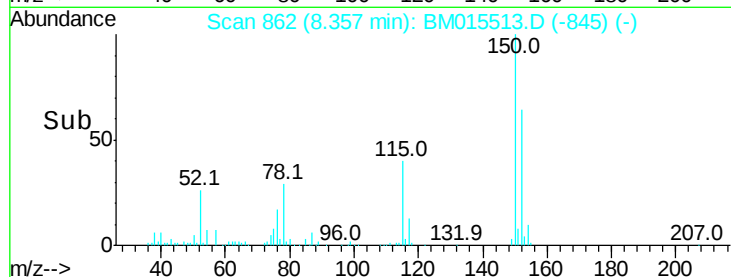
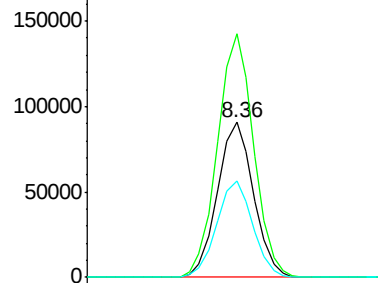
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.36 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM015513.D
Acq: 07 Jun 2018 06:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 143105
Ion Ratio Lower Upper
152 100
150 156.9 119.5 179.3
115 62.4 43.0 64.4



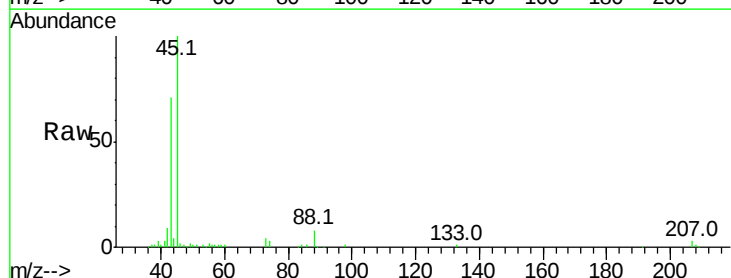
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



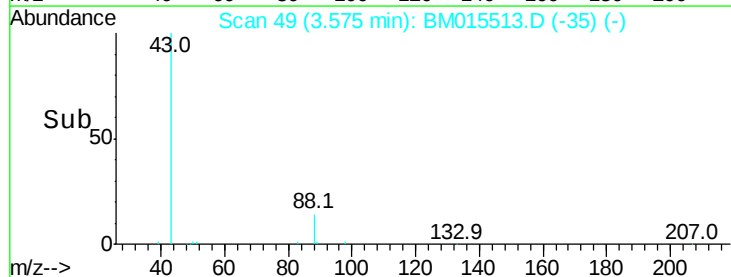
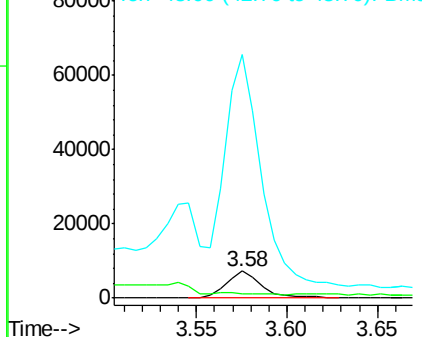
#2

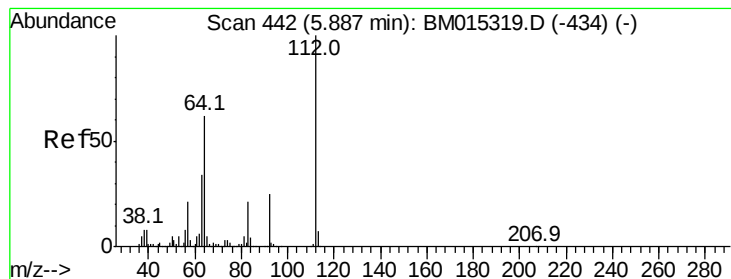
1,4-Dioxane
Concen: 3.062 ng
RT: 3.58 min Scan# 49
Delta R.T. -0.02 min
Lab File: BM015513.D
Acq: 07 Jun 2018 06:31

Tgt Ion: 88 Resp: 9606
Ion Ratio Lower Upper
88 100
58 7.1 0.0 0.0#
43 902.1 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 68.030 ng

RT: 5.86 min Scan# 437

Delta R.T. 0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

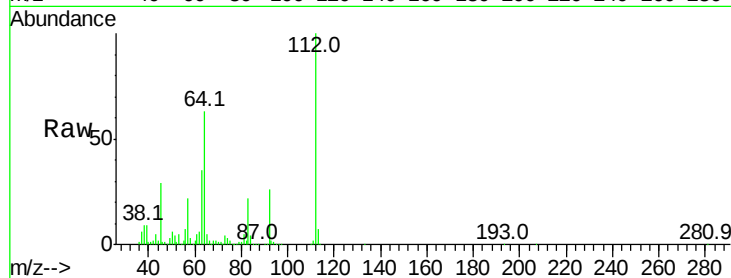
Tot Ion:112 Resp: 572330

Ion Ratio Lower Upper

112 100

64 63.0 38.6 57.8#

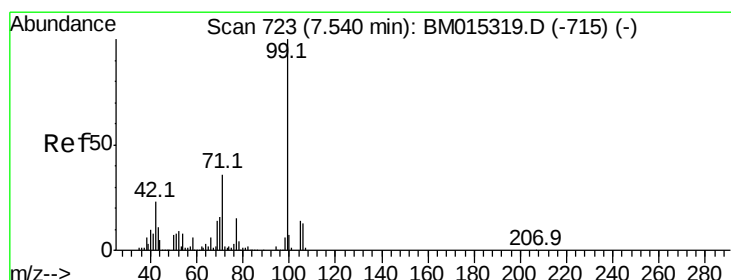
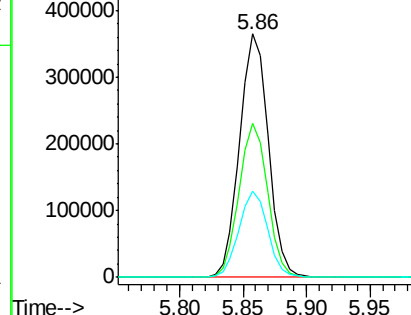
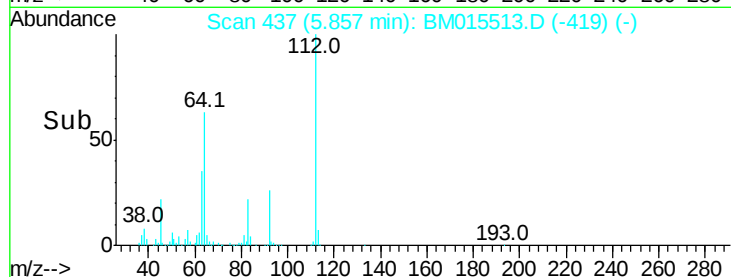
63 35.3 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 55.554 ng

RT: 7.53 min Scan# 721

Delta R.T. 0.02 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

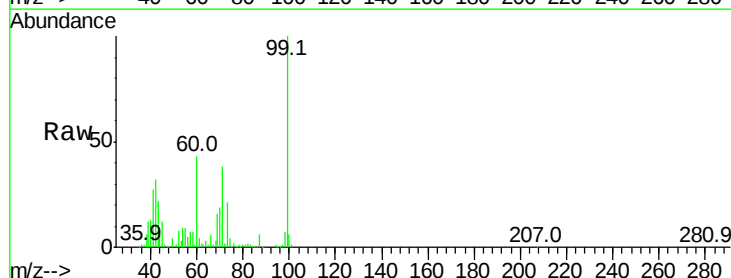
Tgt Ion: 99 Resp: 706411

Ion Ratio Lower Upper

99 100

42 32.0 11.0 16.4#

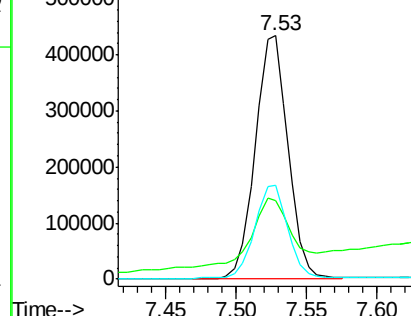
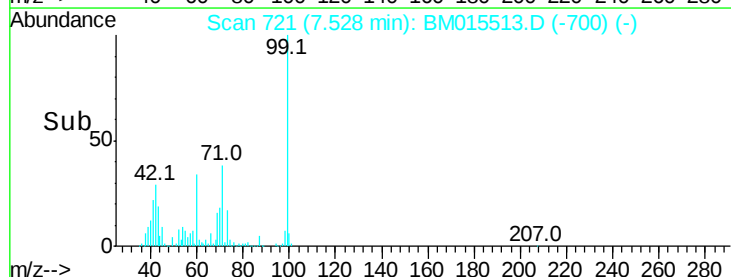
71 38.3 23.4 35.2#

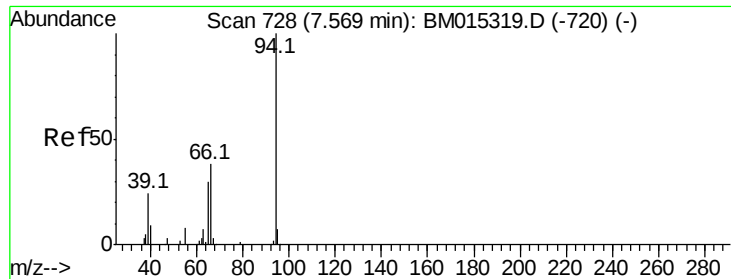


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#10

Phenol

Concen: 7.194 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.02 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

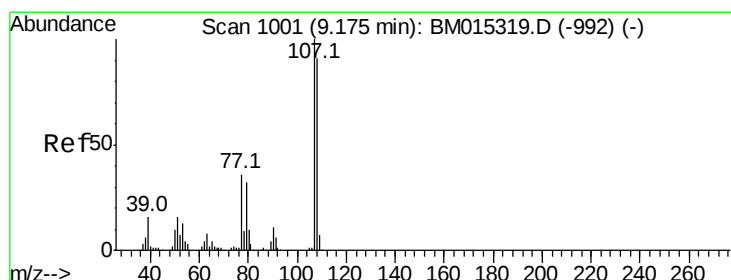
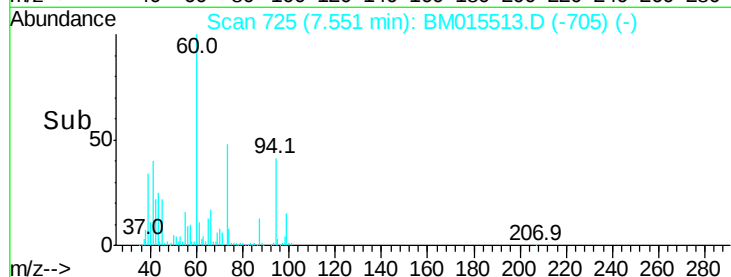
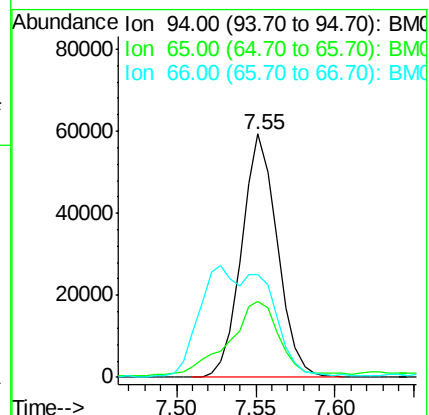
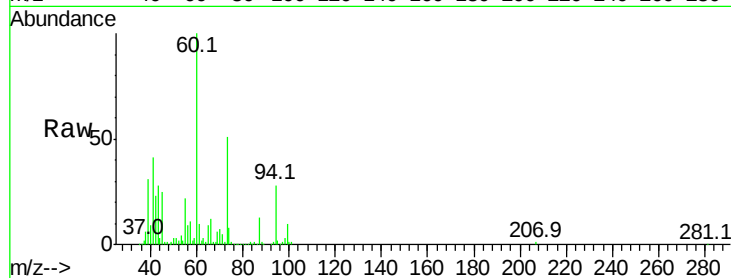
Tot Ion: 94 Resp: 92778

Ion Ratio Lower Upper

94 100

65 31.0 18.8 58.8

66 42.4 39.9 79.9



#20

3+4-Methylphenols

Concen: 12.052 ng

RT: 9.13 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Tgt Ion: 107 Resp: 151231

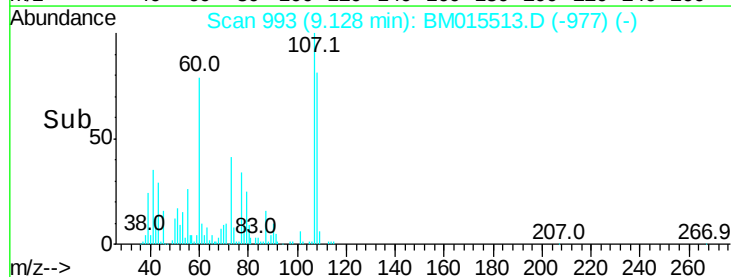
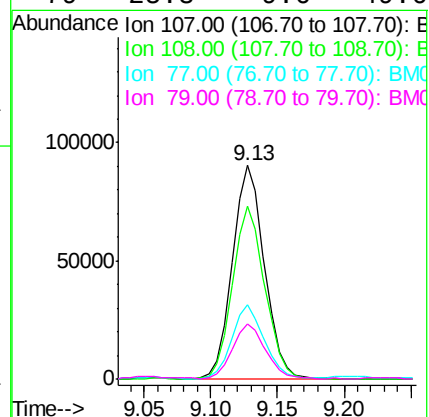
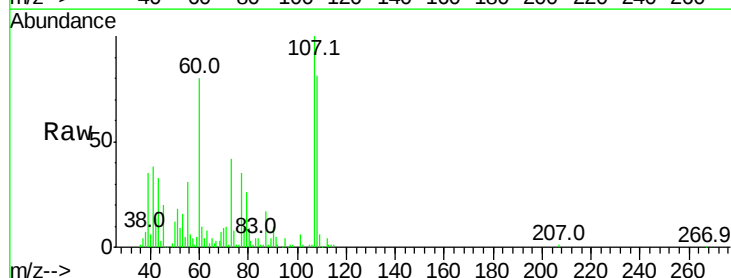
Ion Ratio Lower Upper

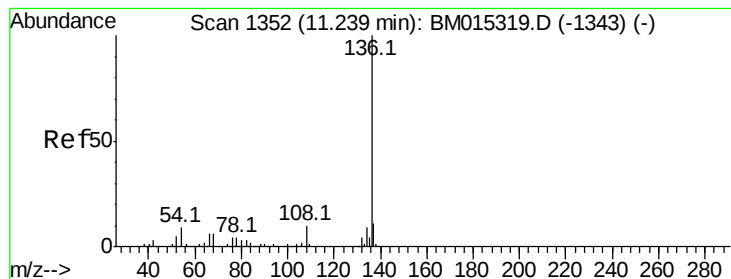
107 100

108 81.0 73.2 113.2

77 34.8 10.7 50.7

79 25.8 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.19 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 577562

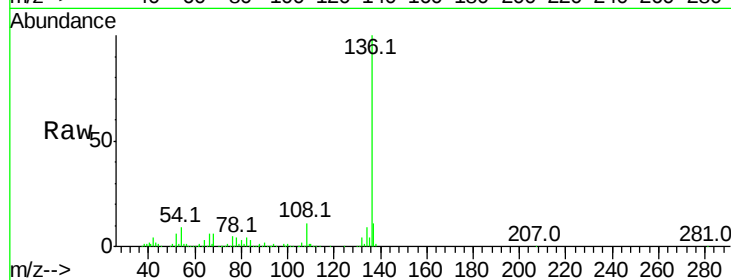
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.6 4.6 6.8#

68 6.1 3.7 5.5#



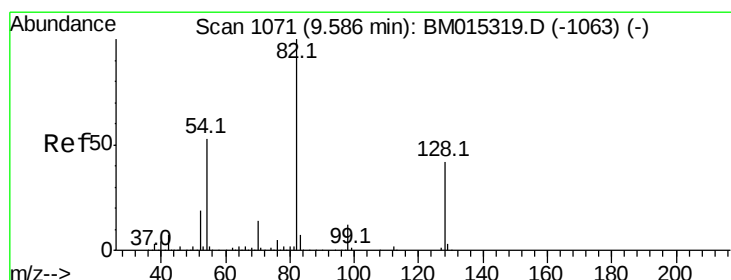
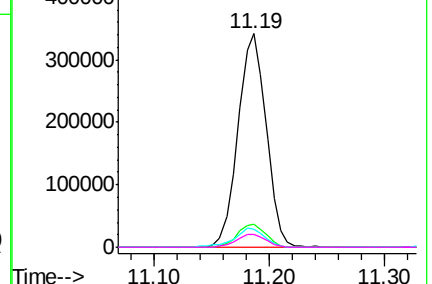
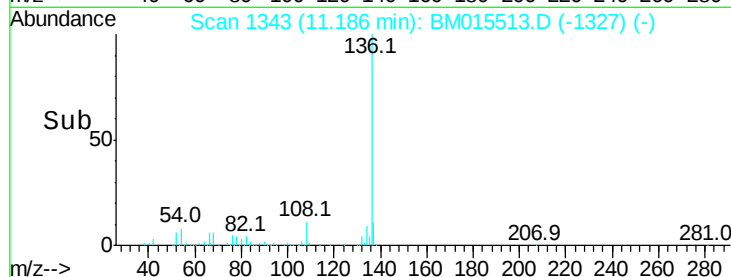
Abundance

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: 52.952 ng

RT: 9.54 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

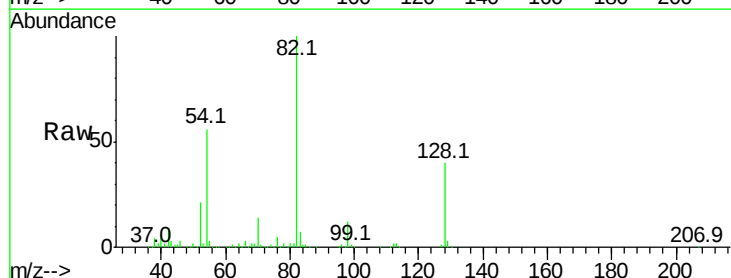
Tgt Ion: 82 Resp: 562258

Ion Ratio Lower Upper

82 100

128 40.4 32.8 49.2

54 55.8 40.6 60.8

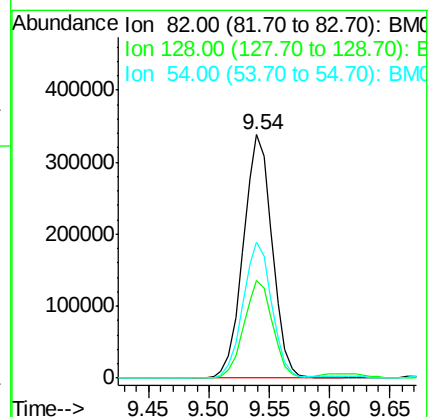
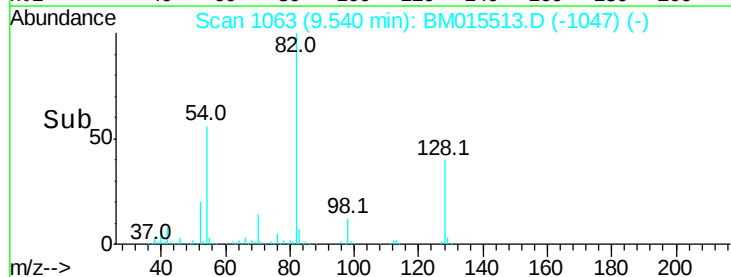


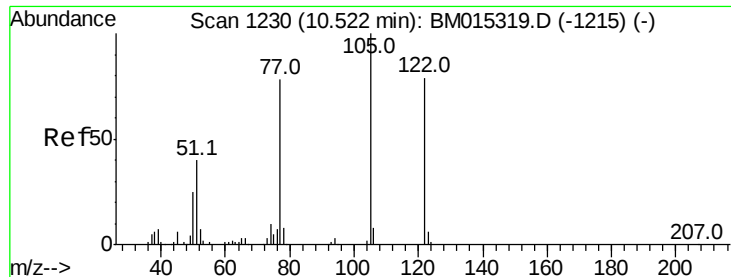
Abundance

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





#32

Benzoic acid

Concen: 36.490 ng

RT: 10.53 min Scan# 1231

Delta R.T. 0.03 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

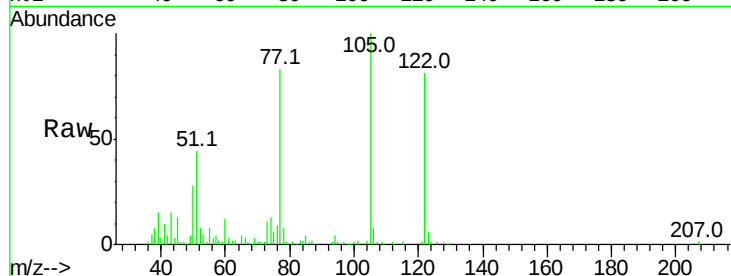
Tot Ion:122 Resp: 243687

Ion Ratio Lower Upper

122 100

105 122.9 99.9 139.9

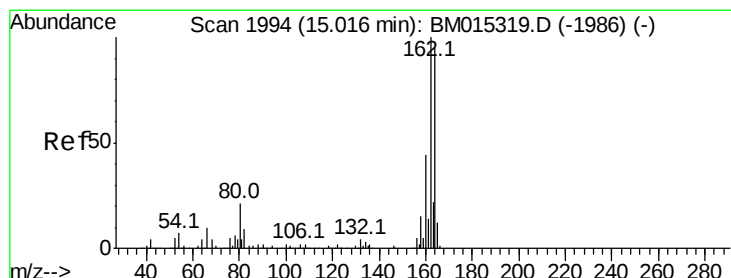
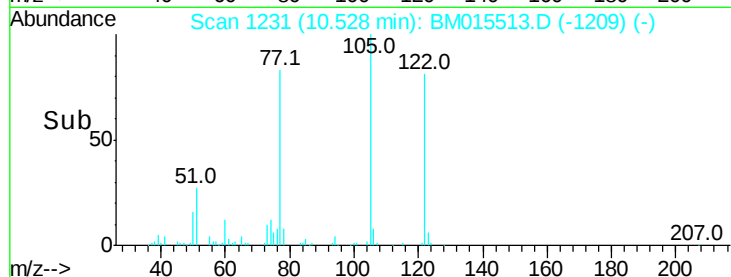
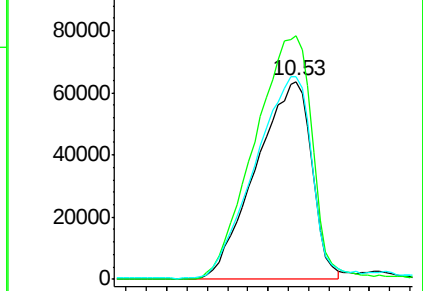
77 102.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.97 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

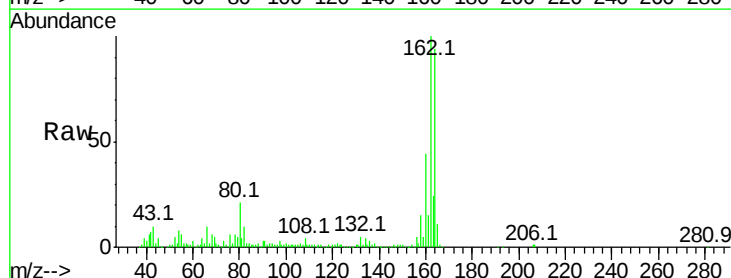
Tgt Ion:164 Resp: 302831

Ion Ratio Lower Upper

164 100

162 106.8 82.4 123.6

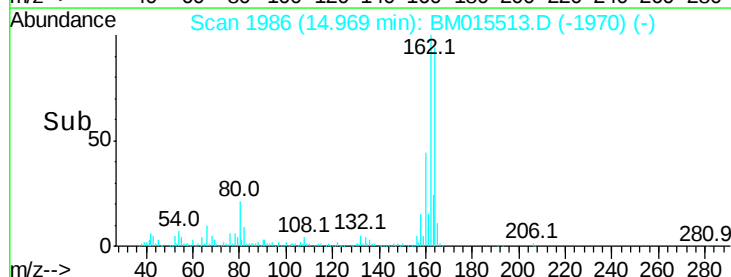
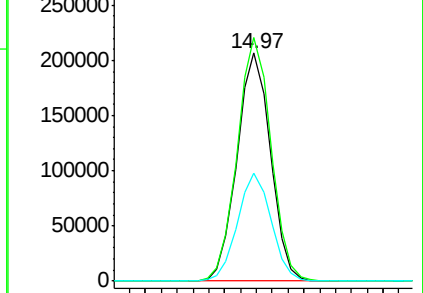
160 47.3 35.8 53.6

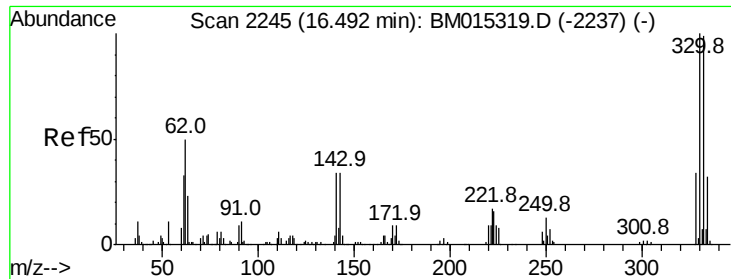


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

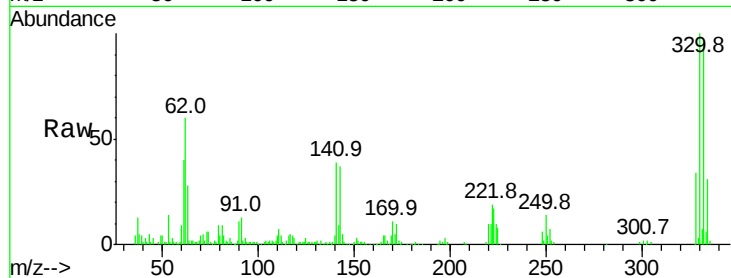




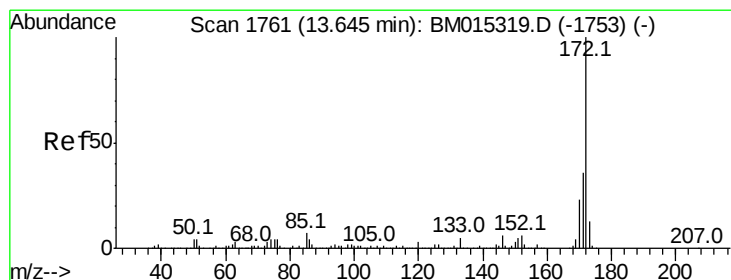
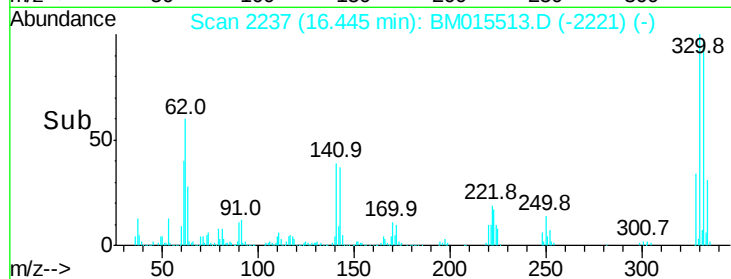
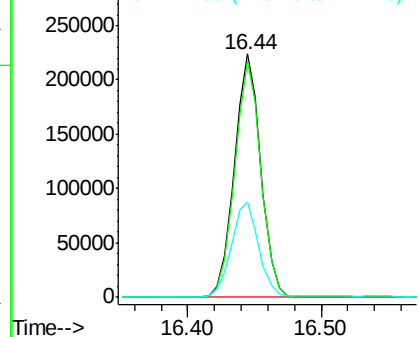
#41
 2,4,6-Tribromophenol
 Concen: 70.934 ng
 RT: 16.44 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BM015513.D
 Acq: 07 Jun 2018 06:31

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	39.9	0.0	0.0#

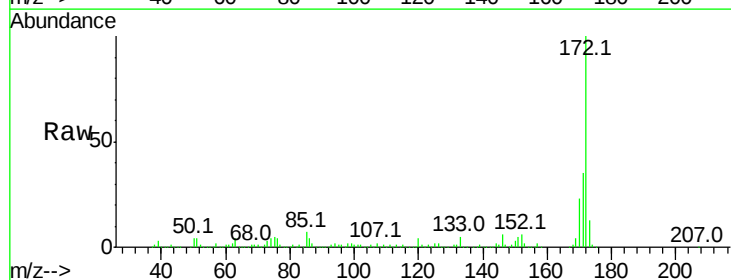


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

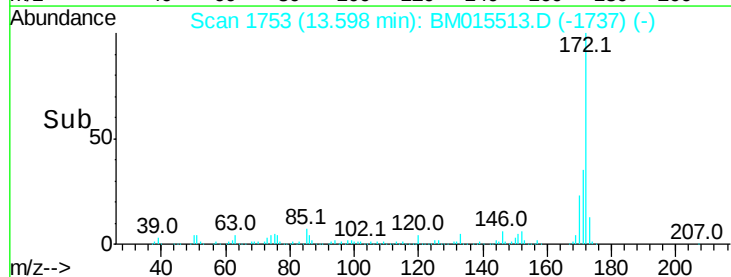
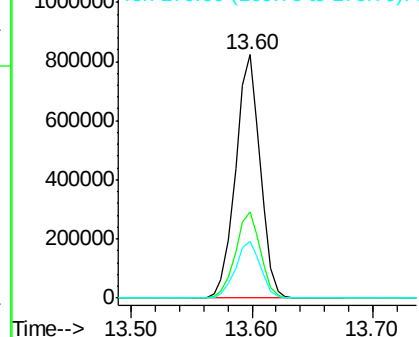


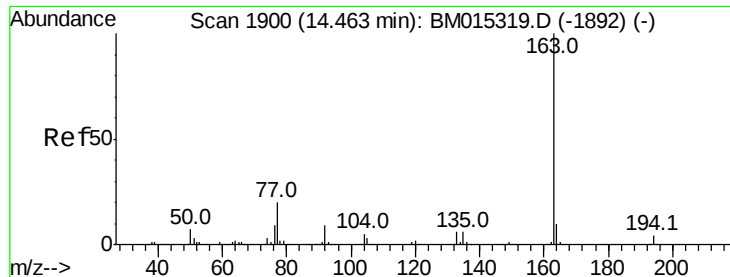
#44
 2-Fluorobiphenyl
 Concen: 51.466 ng
 RT: 13.60 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: BM015513.D
 Acq: 07 Jun 2018 06:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.3	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





#49

Dimethylphthalate

Concen: 4.680 ng

RT: 14.42 min Scan# 1892

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

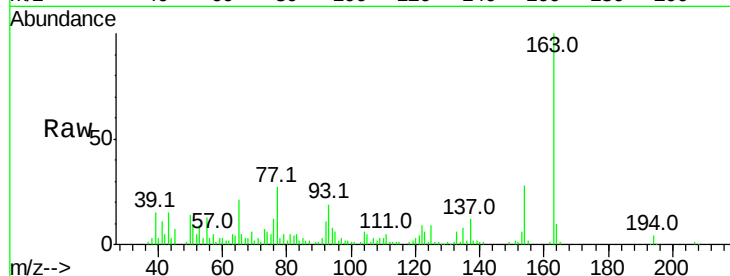
Tot Ion:163 Resp: 121694

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

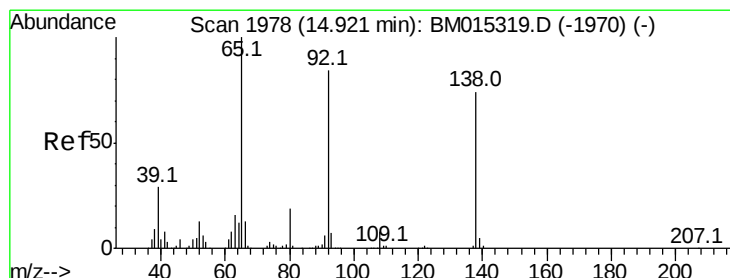
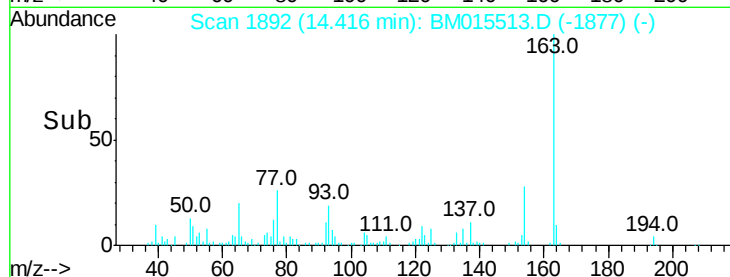
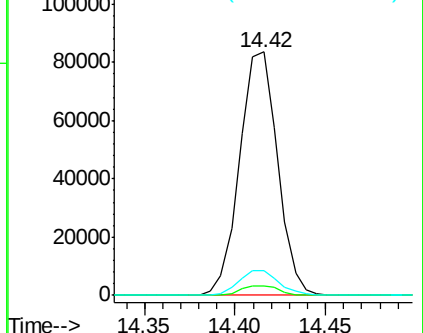
164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

3-Nitroaniline

Concen: 2.740 ng

RT: 14.84 min Scan# 1964

Delta R.T. -0.05 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

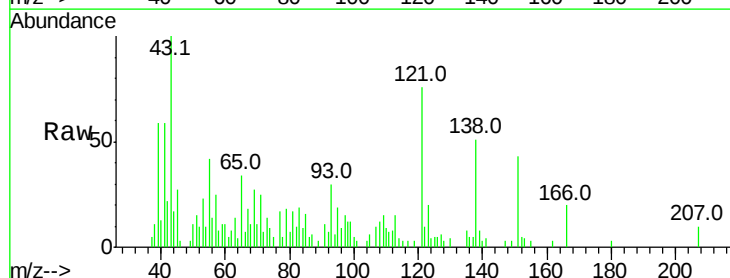
Tgt Ion:138 Resp: 16089

Ion Ratio Lower Upper

138 100

108 22.9 7.3 10.9#

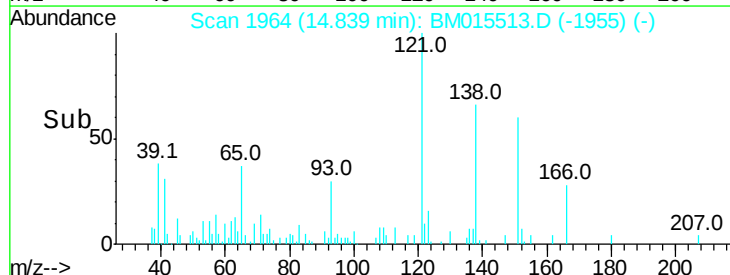
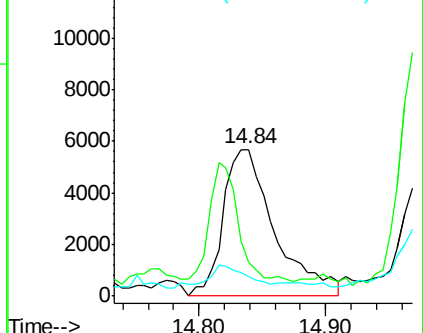
92 13.1 76.6 114.8#

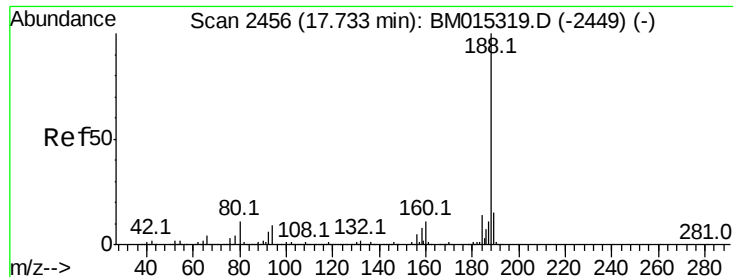


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

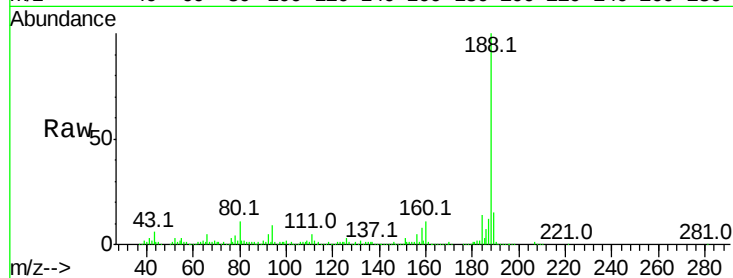
Tot Ion:188 Resp: 645016

Ion Ratio Lower Upper

188 100

94 9.1 8.7 13.1

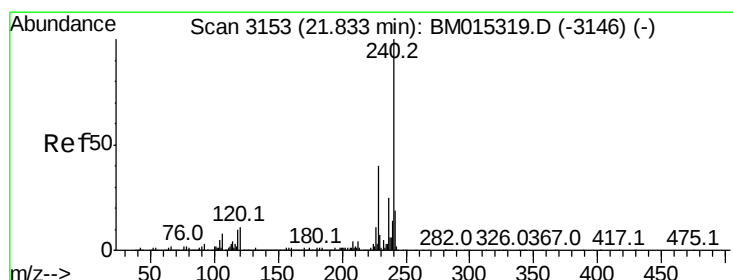
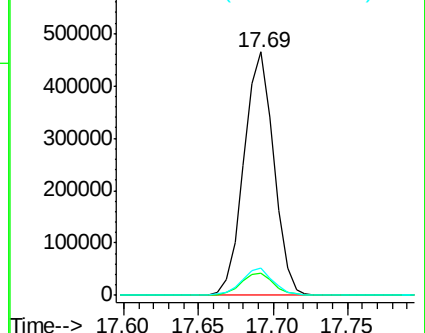
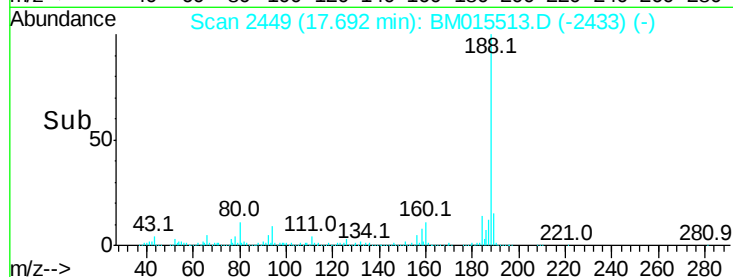
80 11.0 9.3 13.9



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: 20.000 ng

RT: 21.79 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

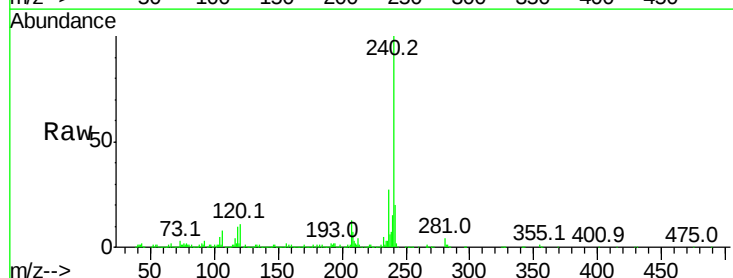
Tgt Ion:240 Resp: 655282

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

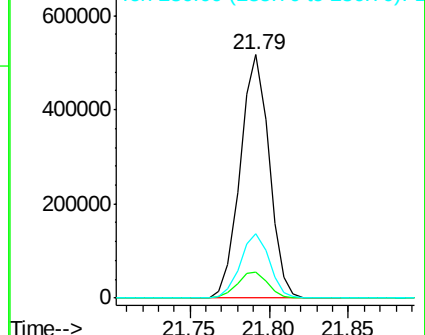
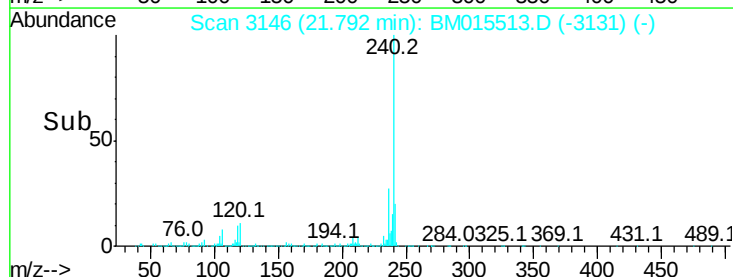
236 26.5 20.0 30.0

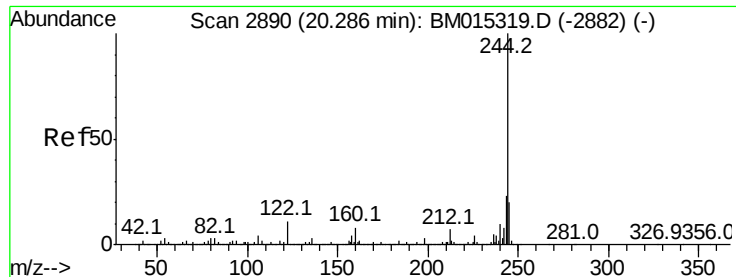


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.817 ng

RT: 20.24 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

Instrument :

BNA_M

ClientSampleId :

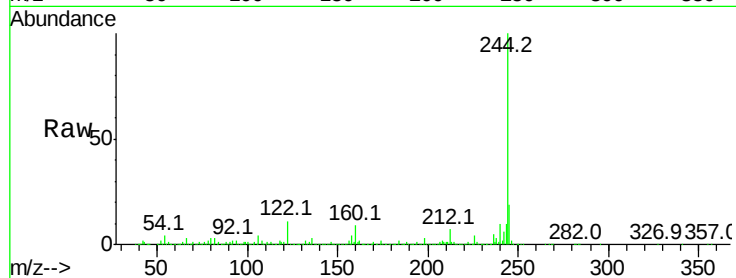
Tot Ion:244 Resp: 1669782

Ion	Ratio	Lower	Upper
244	100		
212	7.4	4.9	7.3#
122	11.5	6.2	9.4#

244 100

212 7.4 4.9 7.3#

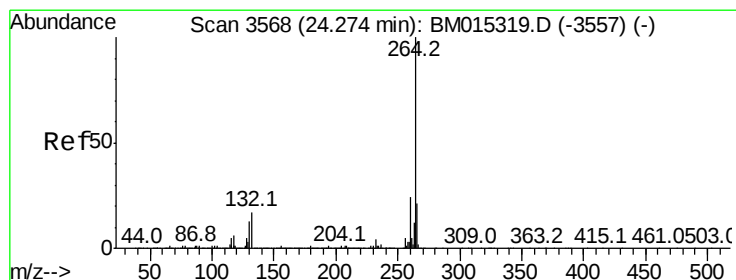
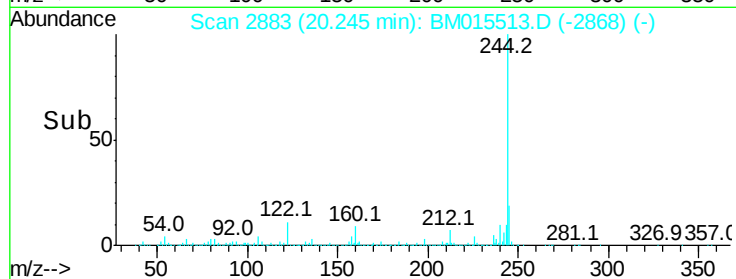
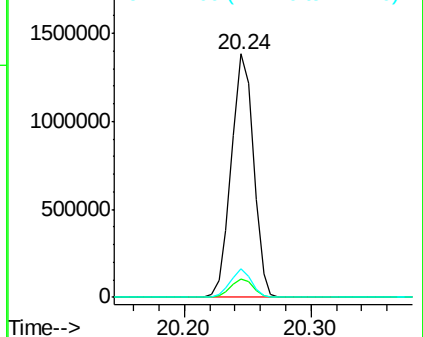
122 11.5 6.2 9.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.21 min Scan# 3557

Delta R.T. -0.02 min

Lab File: BM015513.D

Acq: 07 Jun 2018 06:31

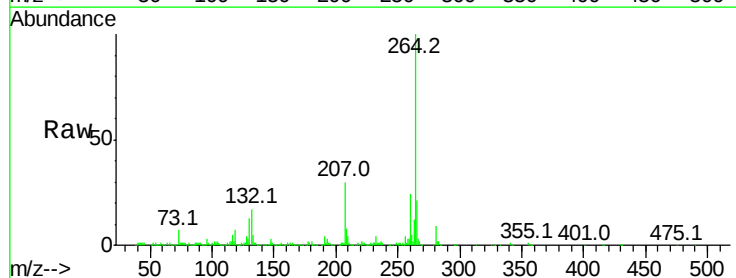
Tgt Ion:264 Resp: 646646

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.4	17.3	25.9

264 100

260 24.2 18.6 27.8

265 21.4 17.3 25.9



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

