

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072418\
 Data File : BM016057.D
 Acq On : 24 Jul 2018 16:02
 Operator : SJ/JU
 Sample : J4086-22DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 1535

Quant Time: Jul 25 05:33:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

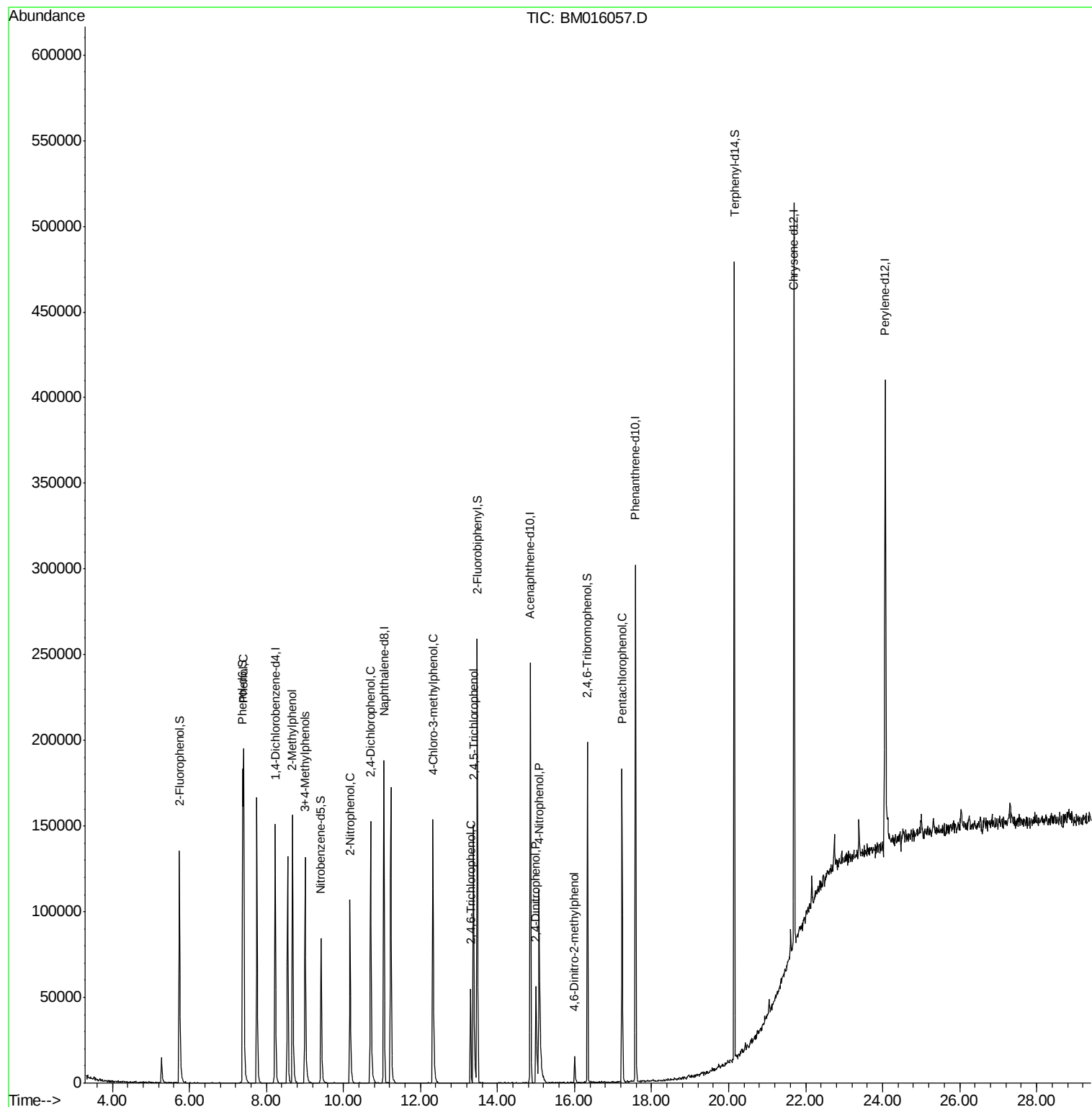
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	34249	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	136062	20.00	ng	0.00
38) Acenaphthene-d10	14.85	164	71746	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	157637	20.00	ng	0.00
75) Chrysene-d12	21.70	240	167642	20.00	ng	0.00
86) Perylene-d12	24.07	264	183208	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	53065	25.74	ng	0.00
7) Phenol-d6	7.38	99	70994	26.37	ng	0.00
23) Nitrobenzene-d5	9.42	82	49729	17.00	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	21625	23.76	ng	0.00
44) 2-Fluorobiphenyl	13.47	172	107763	18.28	ng	0.00
78) Terphenyl-d14	20.15	244	158384	19.78	ng	0.00
Target Compounds						
10) Phenol	7.41	94	84909	31.536	ng	Qvalue 97
17) 2-Methylphenol	8.67	107	40765	22.152	ng	# 81
20) 3+4-Methylphenols	9.00	107	54565	20.608	ng	83
26) 2-Nitrophenol	10.17	139	27421	22.308	ng	# 44
29) 2,4-Dichlorophenol	10.70	162	49043	24.100	ng	96
36) 4-Chloro-3-methylphenol	12.32	107	50251	22.451	ng	# 84
42) 2,4,6-Trichlorophenol	13.30	196	10332	6.761	ng	95
43) 2,4,5-Trichlorophenol	13.37	196	35477	22.506	ng	# 80
53) 2,4-Dinitrophenol	15.00	184	13442	29.003	ng	# 79
55) 4-Nitrophenol	15.08	139	25568	26.138	ng	86
64) 4,6-Dinitro-2-methylphenol	16.00	198	5004	5.230	ng	92
69) Pentachlorophenol	17.23	266	23153	19.021	ng	100

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

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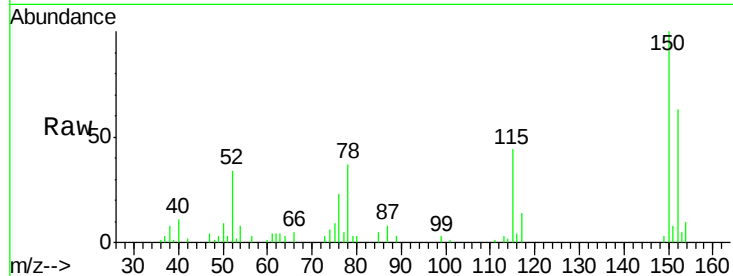




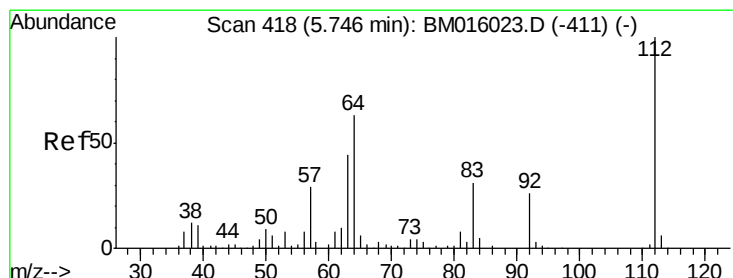
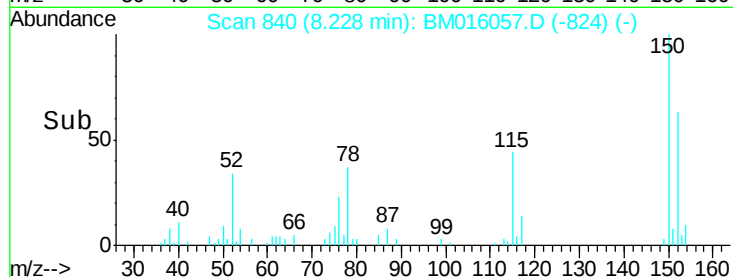
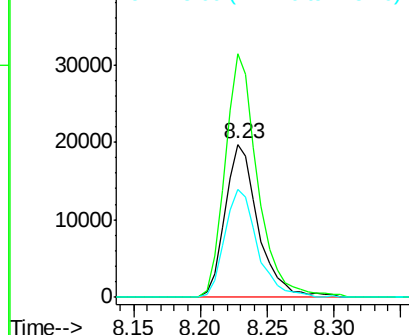
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.23 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_M
 ClientSampled :
 1535

Tgt Ion:152 Resp: 34249
 Ion Ratio Lower Upper
 152 100
 150 159.0 119.5 179.3
 115 70.3 43.0 64.4#

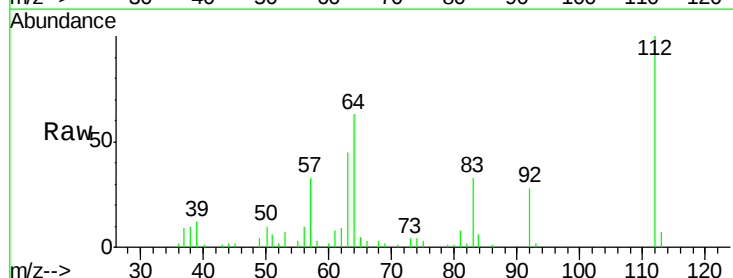


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

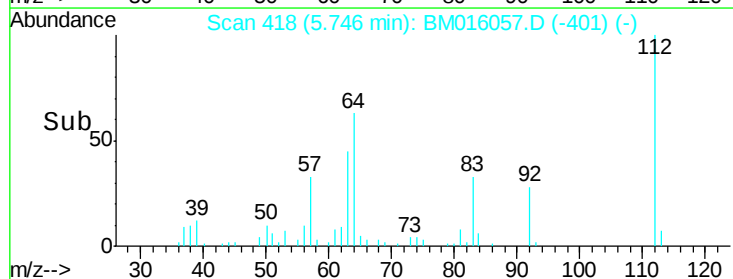
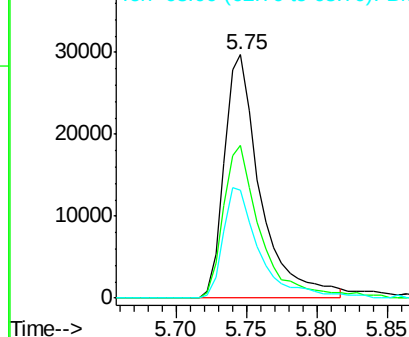


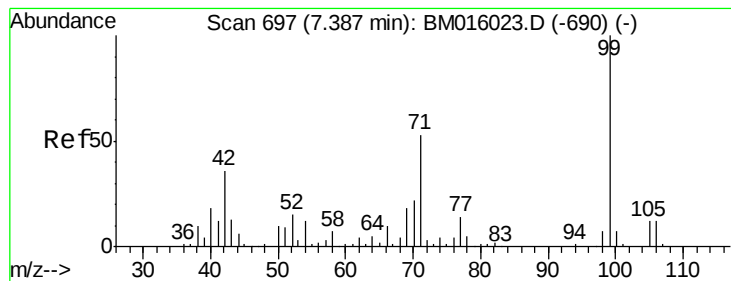
#5
 2-Fluorophenol
 Concen: N.D. ng
 RT: 5.75 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Tgt Ion:112 Resp: 53065
 Ion Ratio Lower Upper
 112 100
 64 62.7 38.6 57.8#
 63 44.6 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: N.D. ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016057.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_M

ClientSampled :

1535

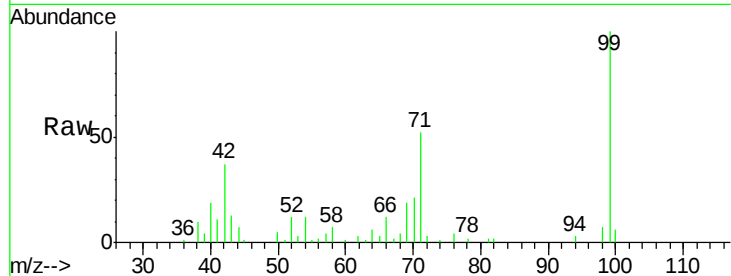
Tgt Ion: 99 Resp: 70994

Ion Ratio Lower Upper

99 100

42 36.6 11.0 16.4#

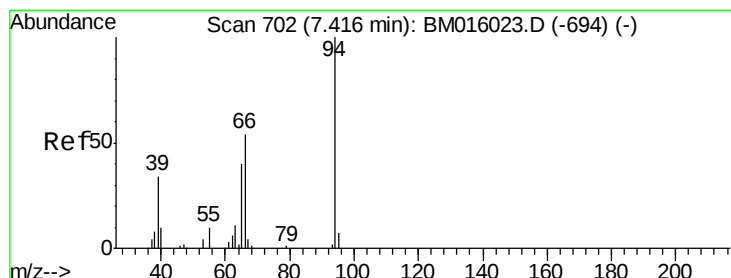
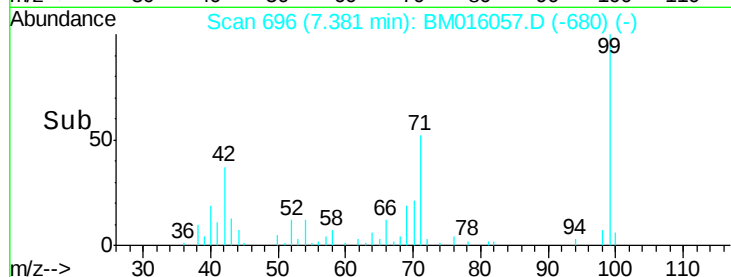
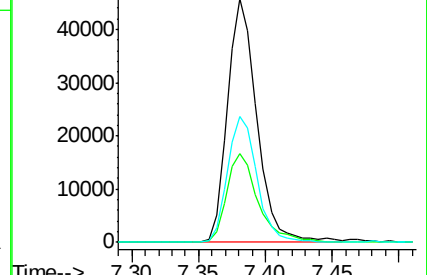
71 51.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#10

Phenol

Concen: 31.536 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016057.D

Acq: 24 Jul 2018 16:02

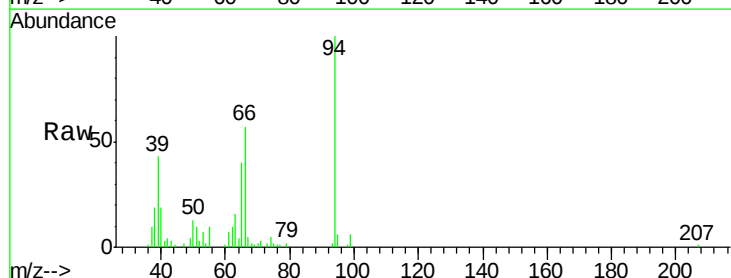
Tgt Ion: 94 Resp: 84909

Ion Ratio Lower Upper

94 100

65 39.8 18.8 58.8

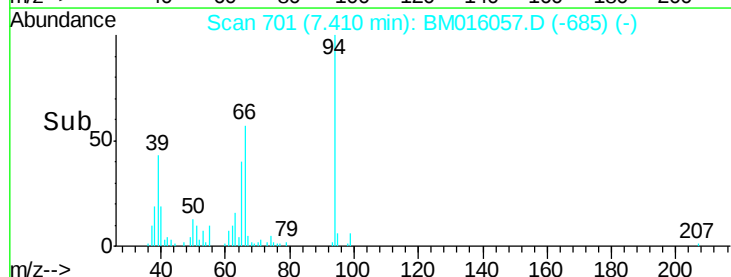
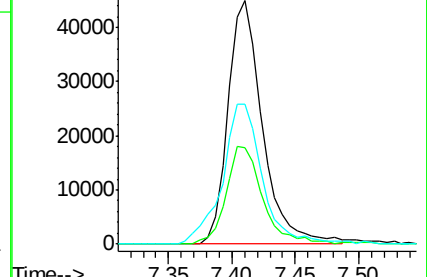
66 57.4 39.9 79.9

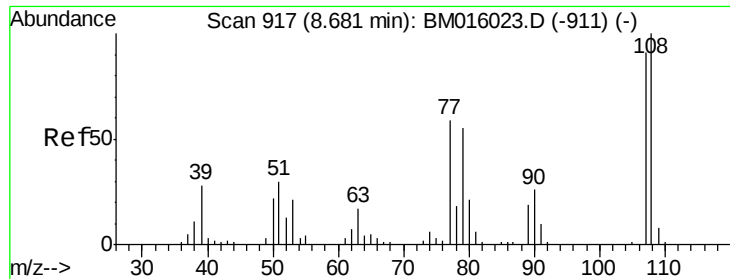


Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)

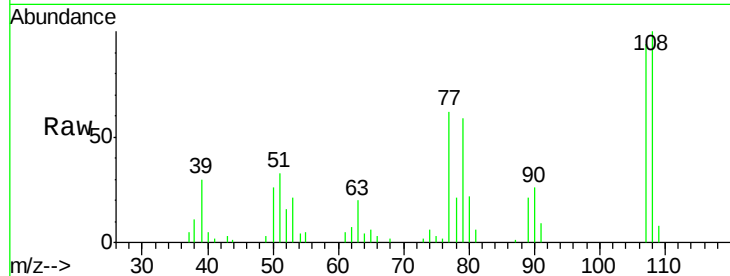




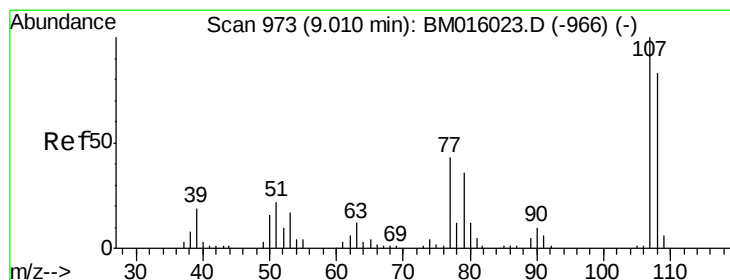
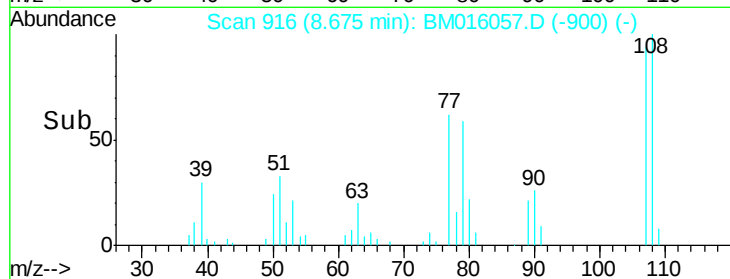
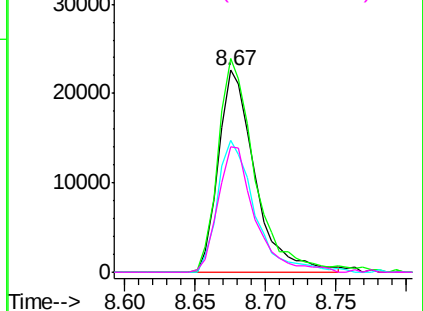
#17
2-Methylphenol
Concen: 22.152 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_M
ClientSampleId :
1535

Tgt Ion:107 Resp: 40765
Ion Ratio Lower Upper
107 100
108 105.9 89.8 134.8
77 65.2 32.6 48.8#
79 62.1 32.8 49.2#

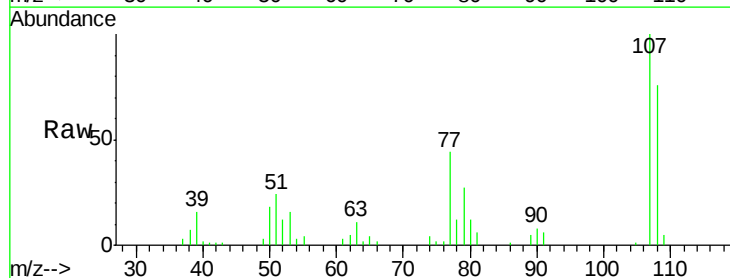


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

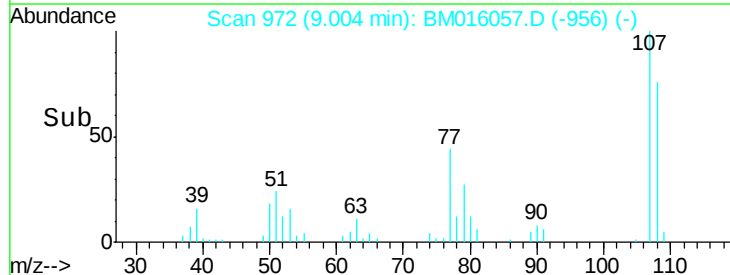
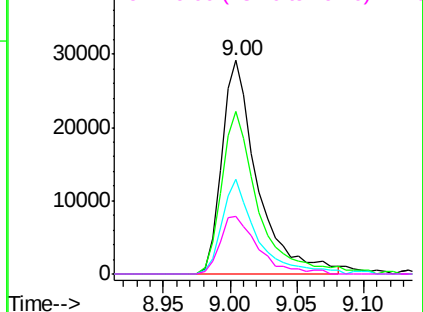


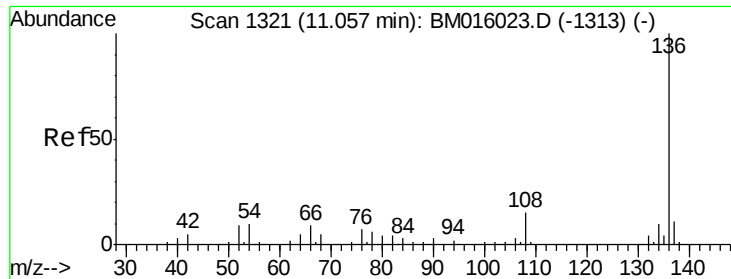
#20
3+4-Methylphenols
Concen: 20.608 ng
RT: 9.00 min Scan# 972
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Tgt Ion:107 Resp: 54565
Ion Ratio Lower Upper
107 100
108 76.2 73.2 113.2
77 44.5 10.7 50.7
79 27.0 9.6 49.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

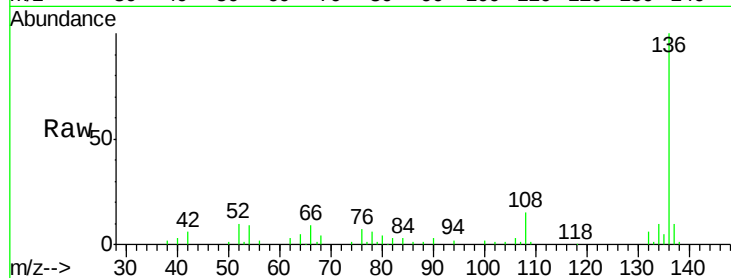




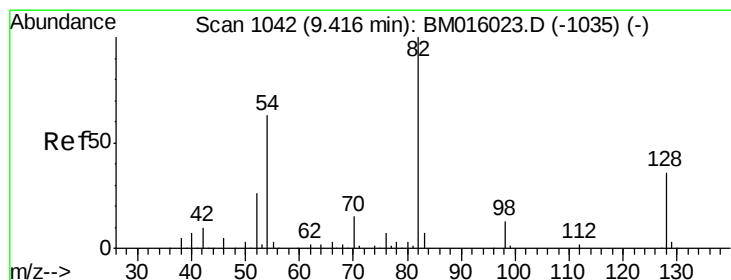
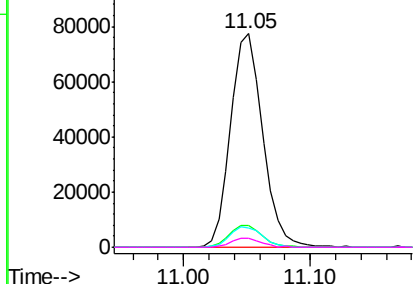
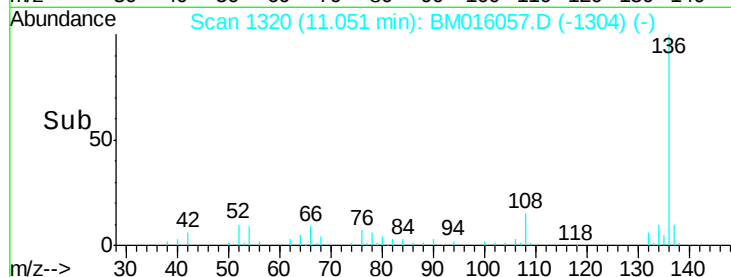
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_M
ClientSampleId :
1535

Tgt Ion: 136 Resp: 136062
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 9.1 4.6 6.8#
68 4.1 3.7 5.5

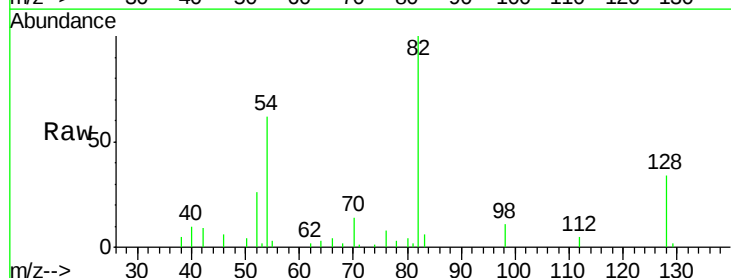


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

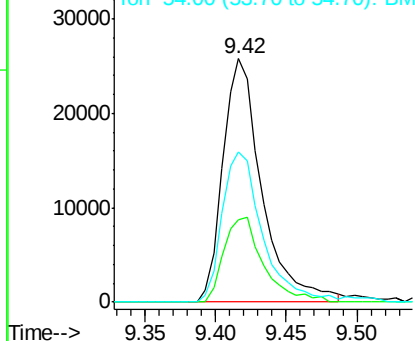
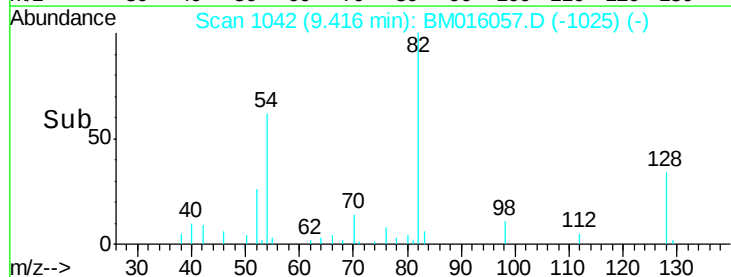


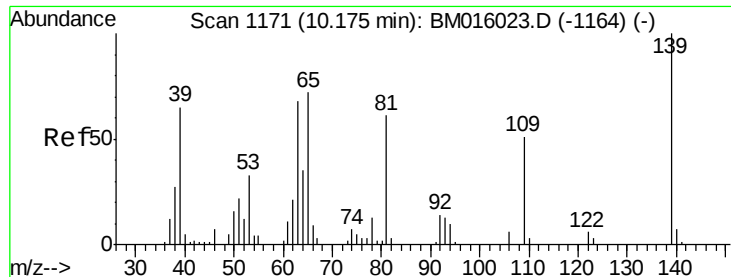
#23
Nitrobenzene-d5
Concen: Below ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Tgt Ion: 82 Resp: 49729
Ion Ratio Lower Upper
82 100
128 33.6 32.8 49.2
54 61.8 40.6 60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM
30000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

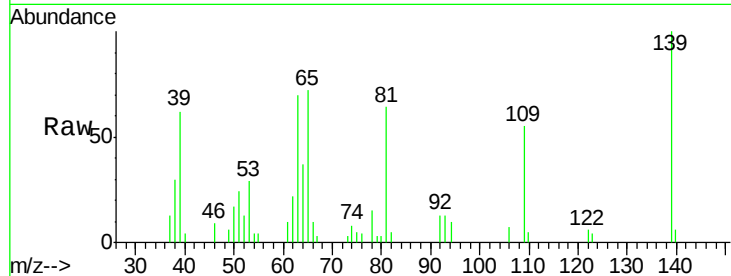




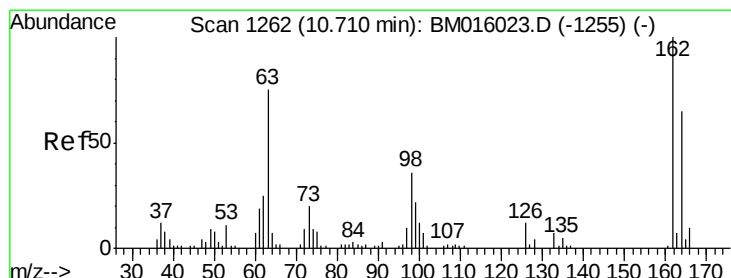
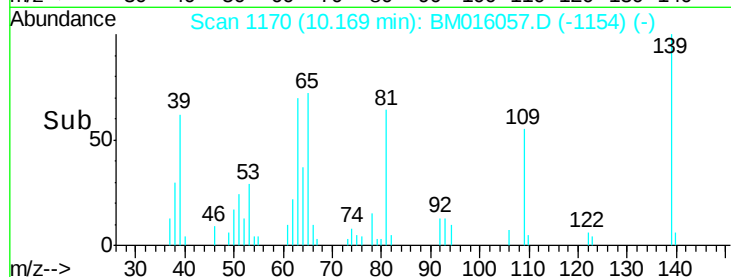
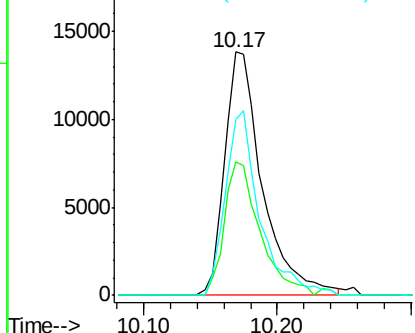
#26
2-Nitrophenol
Concen: 22.308 ng
RT: 10.17 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Instrument :
BNA_M
ClientSampleId :
1535

Tgt Ion:139 Resp: 27421
Ion Ratio Lower Upper
139 100
109 54.6 20.1 30.1#
65 72.5 31.5 47.3#

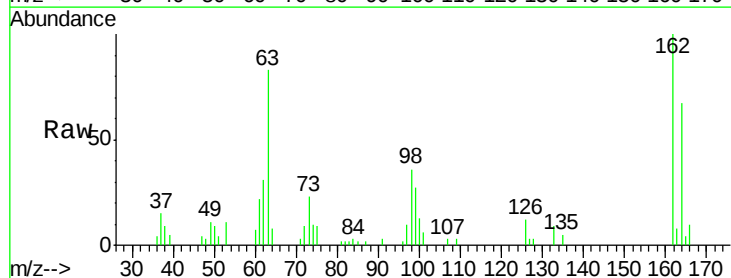


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

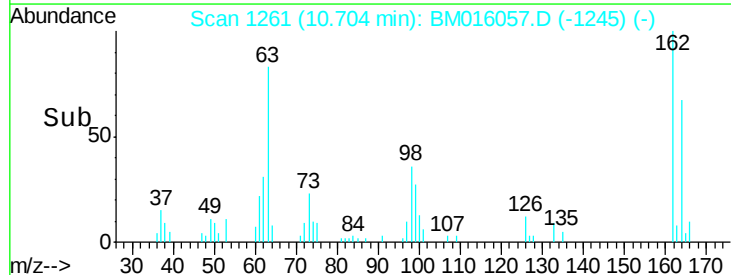
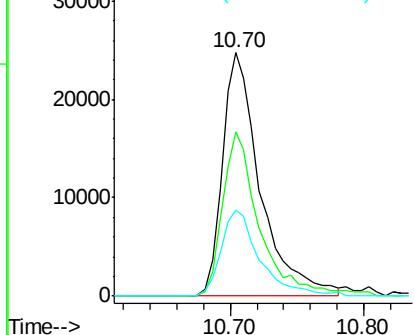


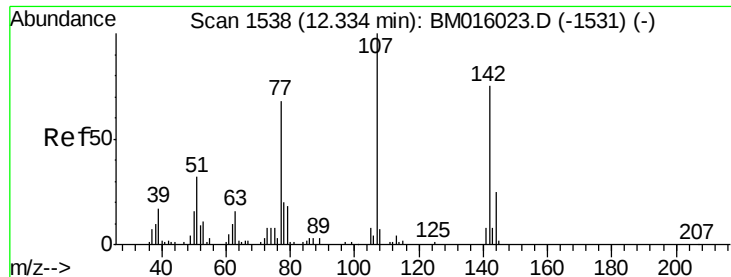
#29
2,4-Dichlorophenol
Concen: 24.100 ng
RT: 10.70 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Tgt Ion:162 Resp: 49043
Ion Ratio Lower Upper
162 100
164 67.4 42.8 82.8
98 35.5 14.5 54.5



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

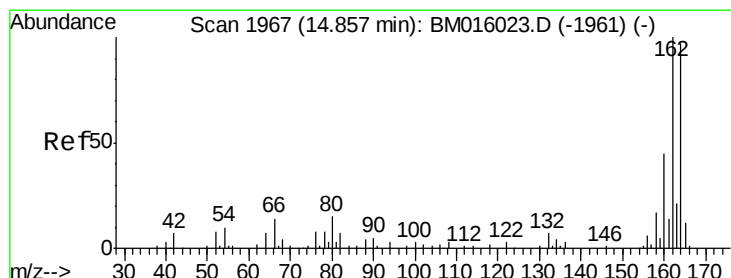
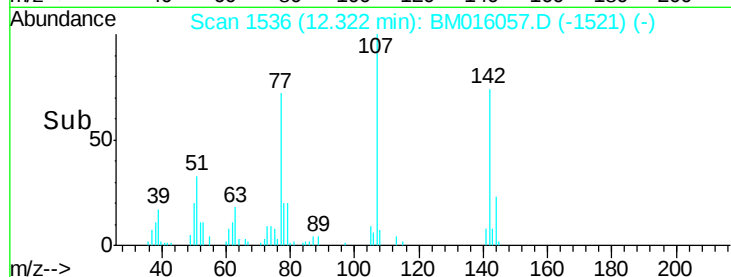
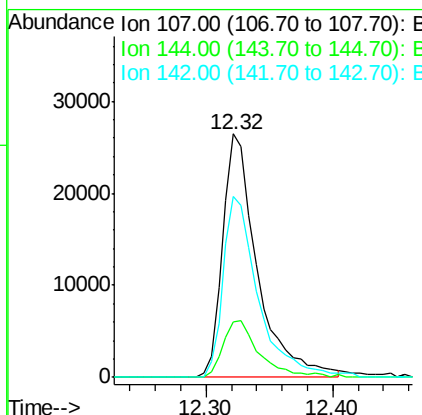
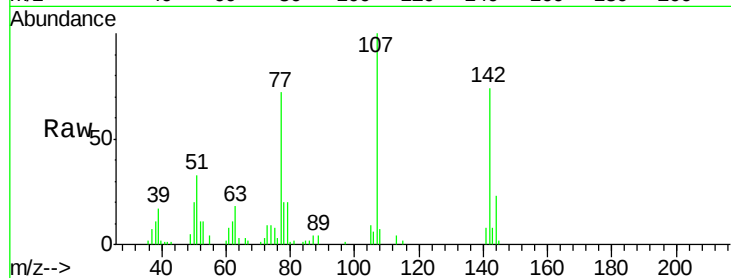




#36
 4-Chloro-3-methylphenol
 Concen: 22.451 ng
 RT: 12.32 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

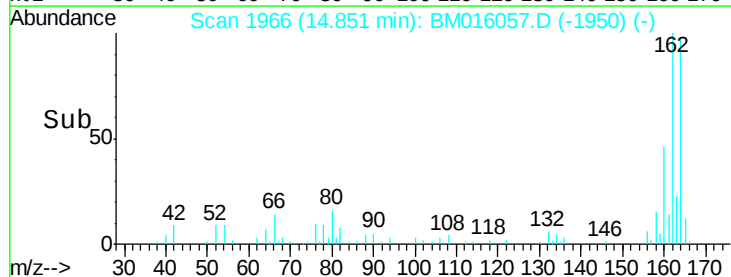
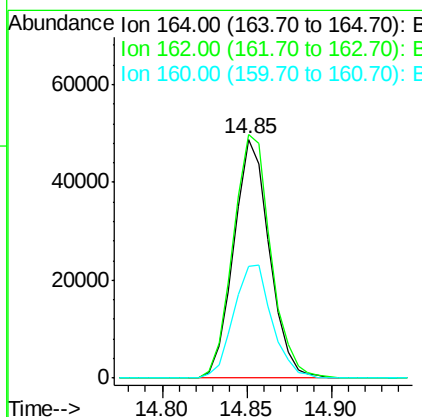
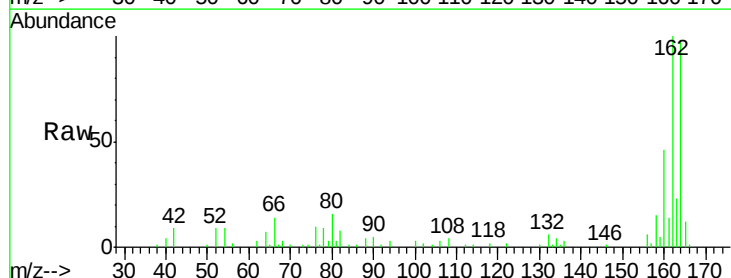
Instrument :
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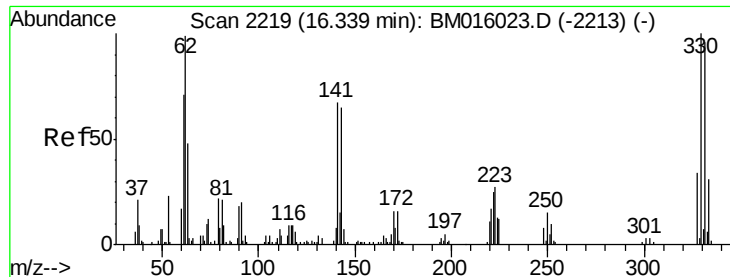
Tgt Ion:107 Resp: 50251
 Ion Ratio Lower Upper
 107 100
 144 22.8 23.3 34.9#
 142 74.1 72.6 109.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.85 min Scan# 1966
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Tgt Ion:164 Resp: 71746
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.4 123.6
 160 46.9 35.8 53.6

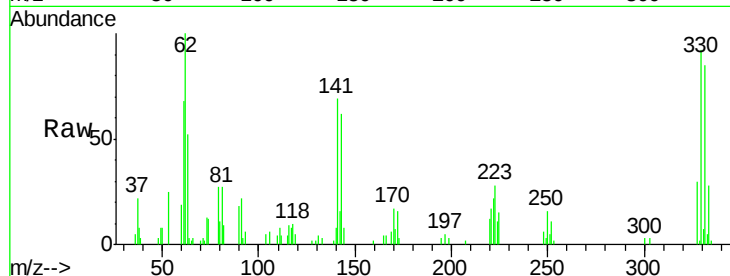




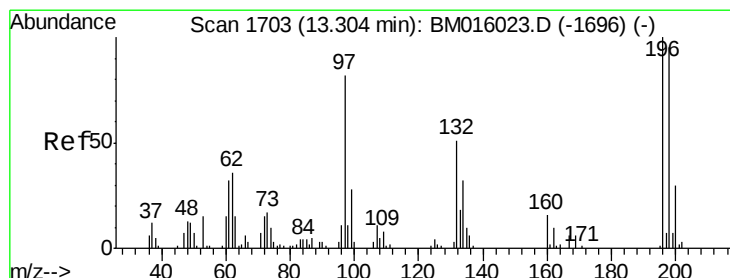
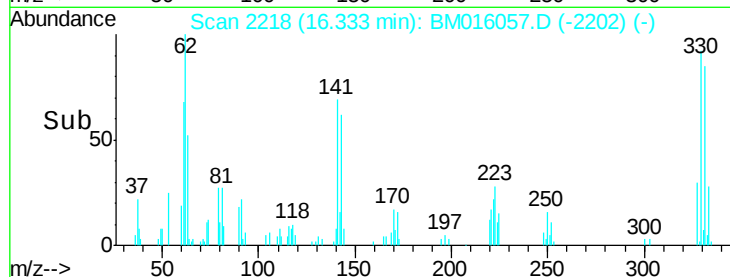
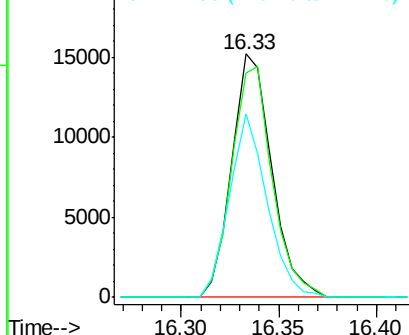
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.33 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_M
 ClientSampled :
 1535

Tgt Ion:330 Resp: 21625
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 71.1 0.0 0.0#

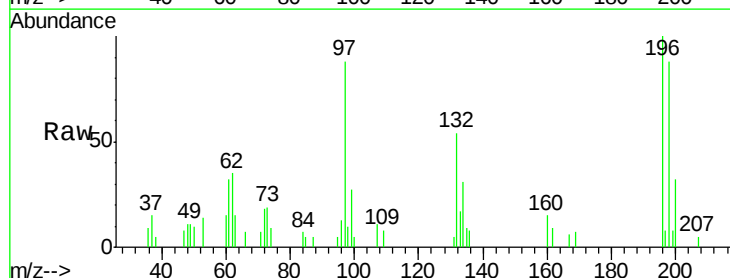


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

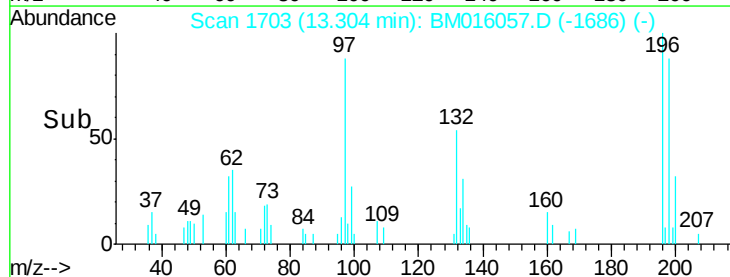
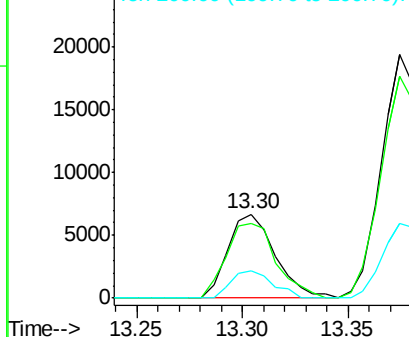


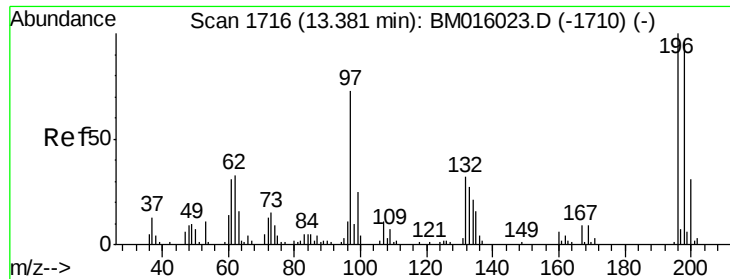
#42
 2,4,6-Trichlorophenol
 Concen: 6.761 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Tgt Ion:196 Resp: 10332
 Ion Ratio Lower Upper
 196 100
 198 88.4 76.3 114.5
 200 32.0 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

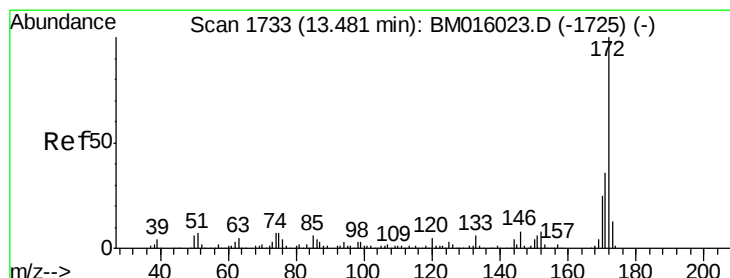
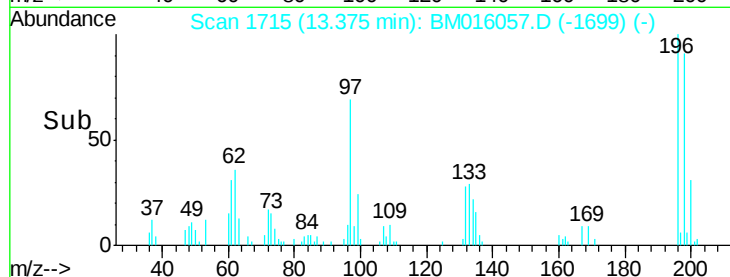
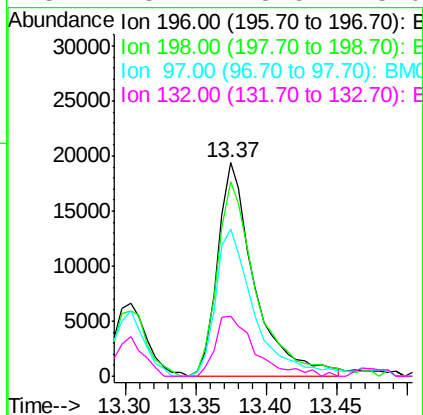
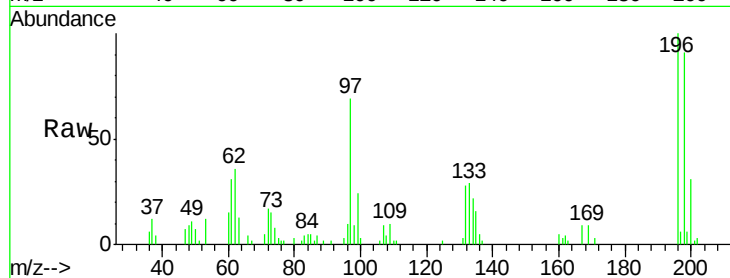




#43
2,4,5-Trichlorophenol
Concen: 22.506 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

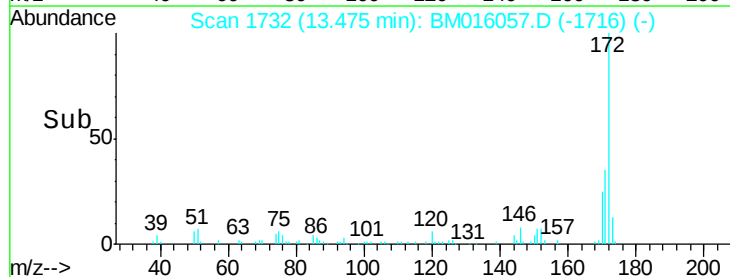
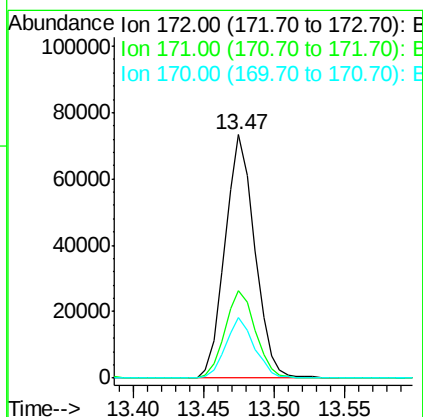
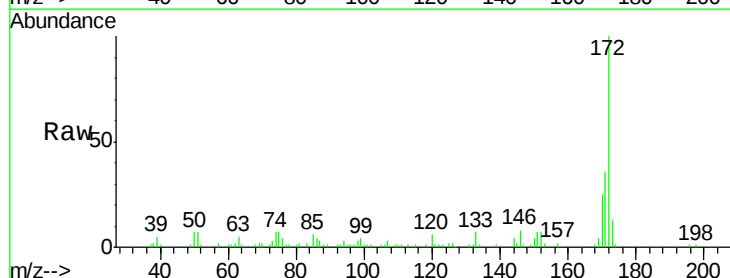
Instrument :
BNA_M
ClientSampled :
1535

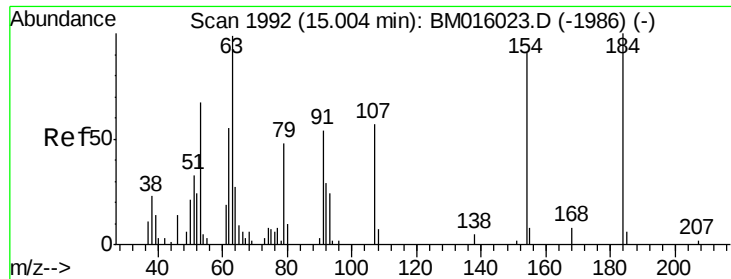
Tgt Ion:196 Resp: 35477
Ion Ratio Lower Upper
196 100
198 91.0 79.4 119.0
97 68.9 26.8 40.2#
132 28.2 18.6 28.0#



#44
2-Fluorobiphenyl
Concen: 22.506 ng
RT: 13.47 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Tgt Ion:172 Resp: 107763
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.7 18.8 28.2

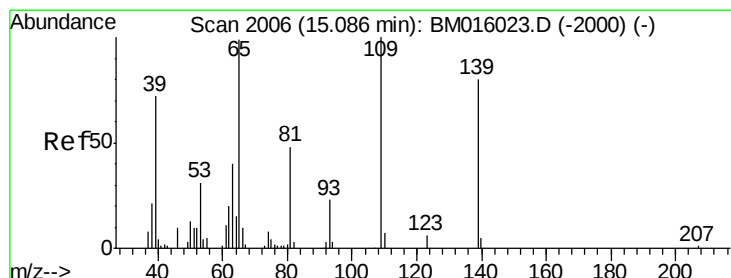
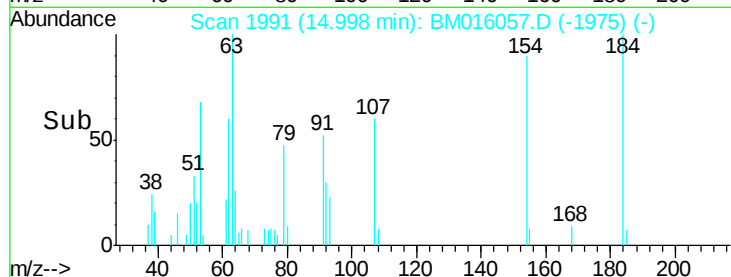
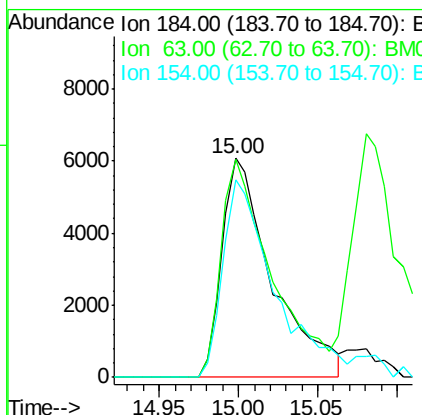
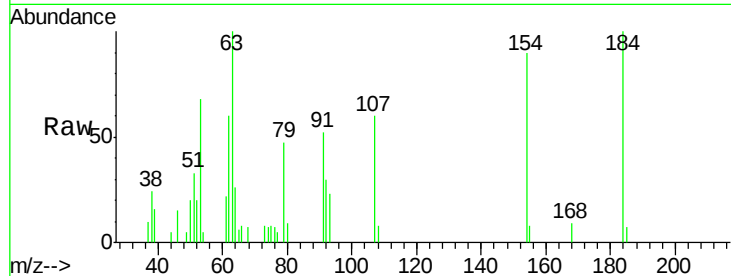




#53
2,4-Dinitrophenol
Concen: 29.003 ng
RT: 15.00 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

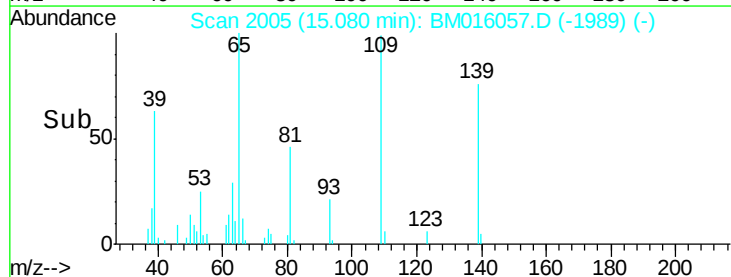
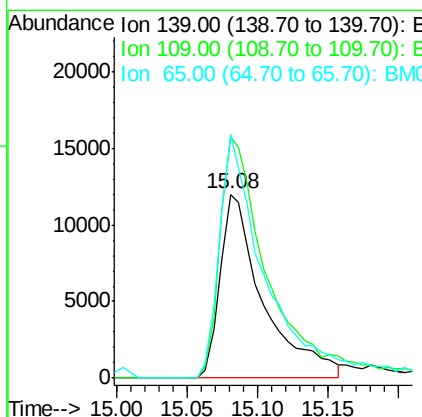
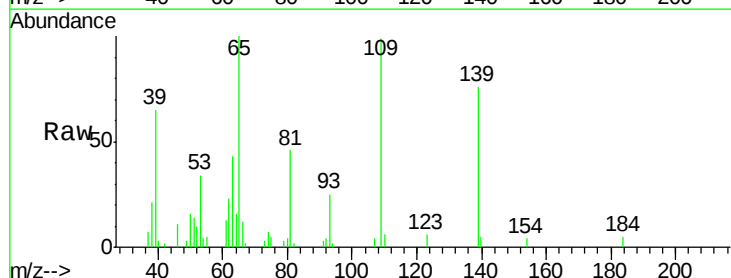
Instrument :
BNA_M
ClientSampled :
1535

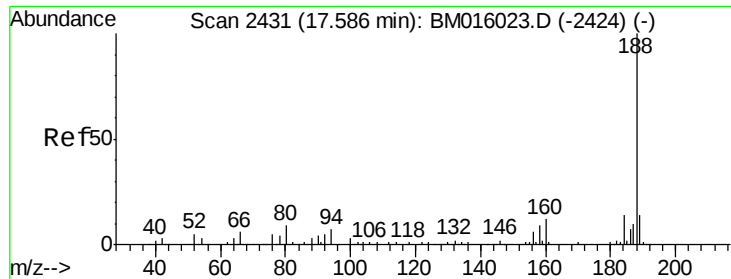
Tgt Ion:184 Resp: 13442
Ion Ratio Lower Upper
184 100
63 99.6 69.2 103.8
154 90.1 53.3 79.9#



#55
4-Nitrophenol
Concen: 26.138 ng
RT: 15.08 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BM016057.D
Acq: 24 Jul 2018 16:02

Tgt Ion:139 Resp: 25568
Ion Ratio Lower Upper
139 100
109 130.9 130.0 170.0
65 132.3 130.0 170.0

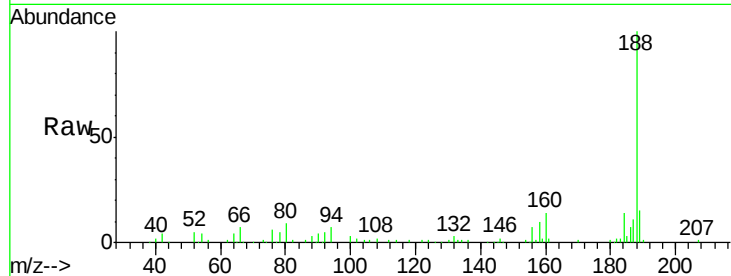




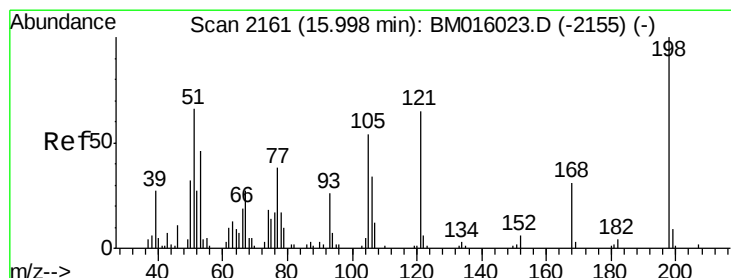
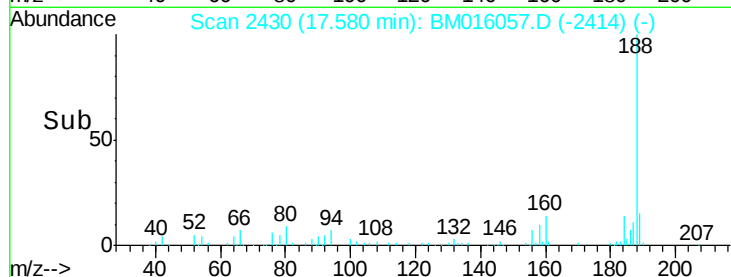
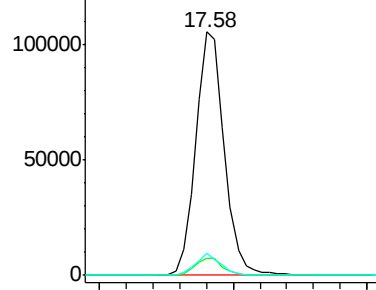
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.58 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_M
 ClientSampleId :
 1535

Tgt Ion:188 Resp: 157637
 Ion Ratio Lower Upper
 188 100
 94 7.2 8.7 13.1#
 80 8.9 9.3 13.9#

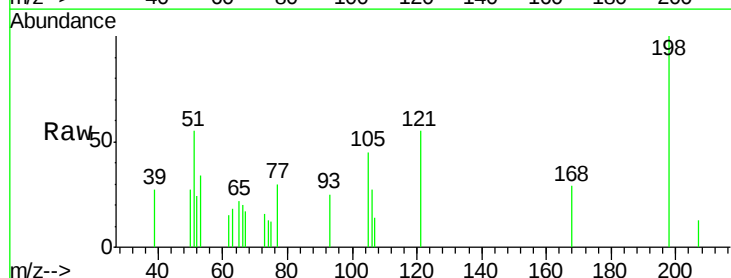


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BM0
 Ion 80.00 (79.70 to 80.70): BM0

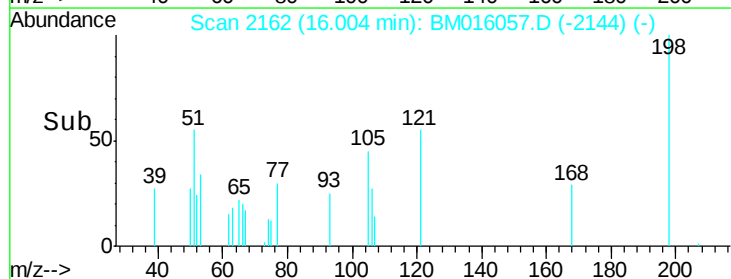
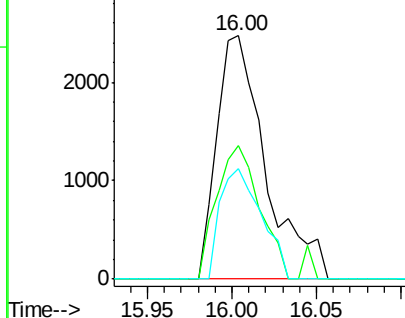


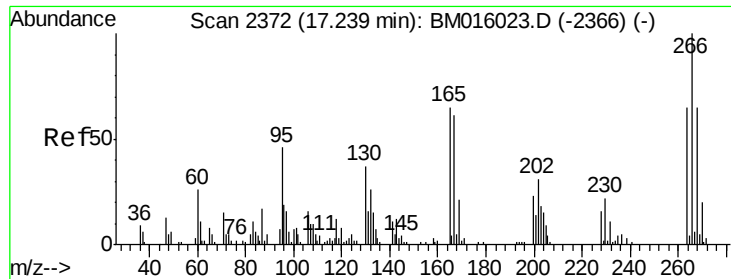
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.230 ng
 RT: 16.00 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Tgt Ion:198 Resp: 5004
 Ion Ratio Lower Upper
 198 100
 51 54.9 28.8 68.8
 105 45.5 30.5 70.5



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM0
 Ion 105.00 (104.70 to 105.70): E

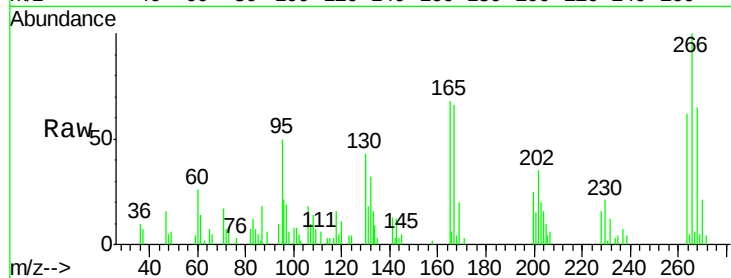




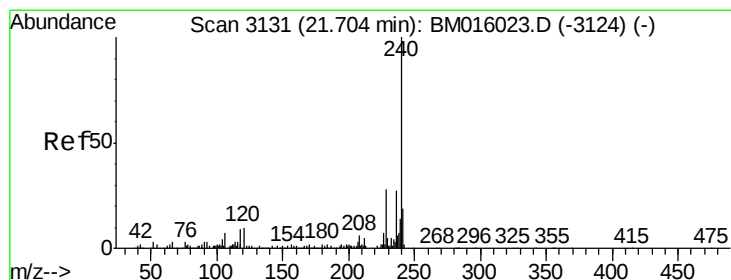
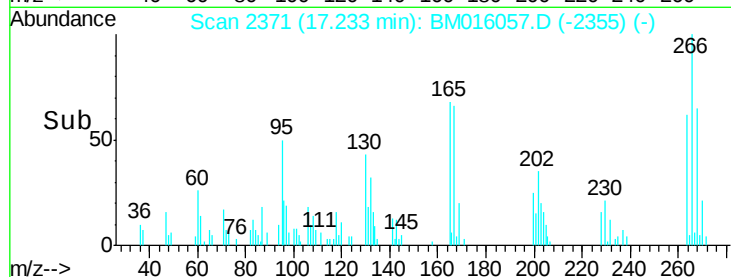
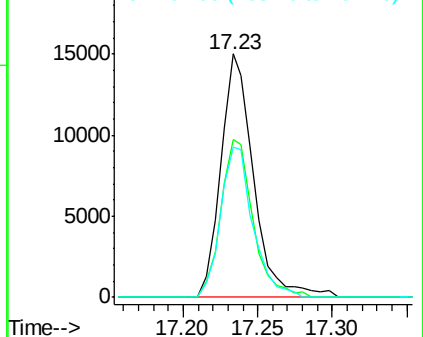
#69
 Pentachlorophenol
 Concen: 19.021 ng
 RT: 17.23 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Instrument :
 BNA_M
 ClientSampled :
 1535

Tgt Ion:266 Resp: 23153
 Ion Ratio Lower Upper
 266 100
 268 64.8 52.0 78.0
 264 61.6 49.0 73.4

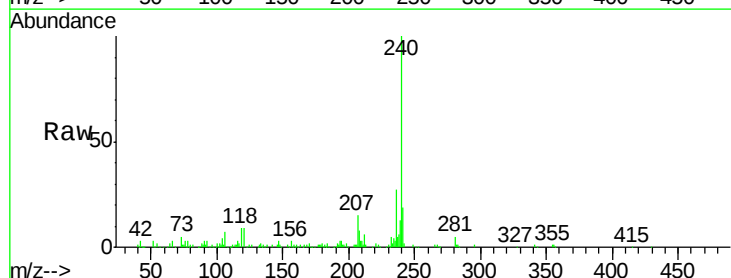


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

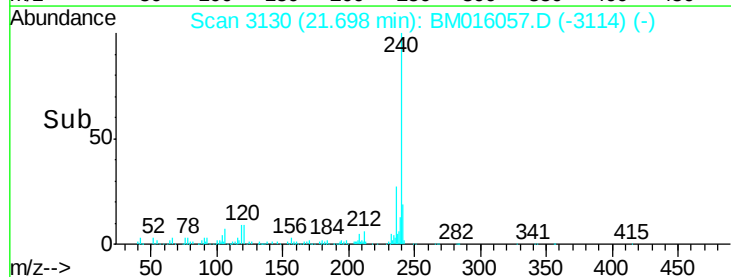
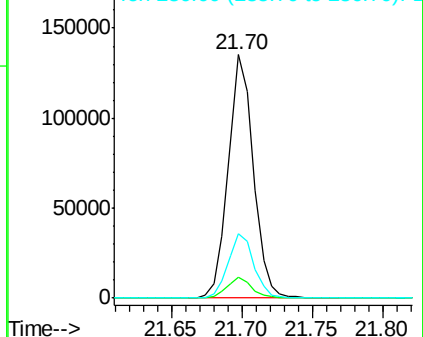


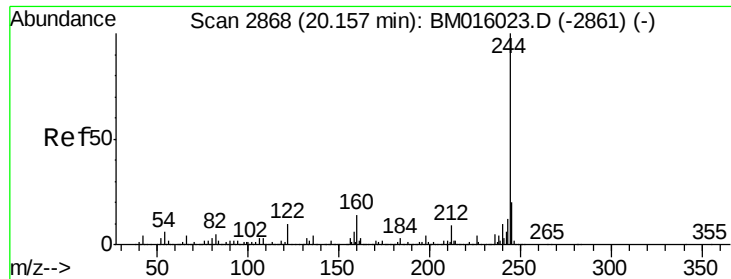
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM016057.D
 Acq: 24 Jul 2018 16:02

Tgt Ion:240 Resp: 167642
 Ion Ratio Lower Upper
 240 100
 120 8.6 8.2 12.2
 236 26.7 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: N.D. ng

RT: 20.15 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BM016057.D

Acq: 24 Jul 2018 16:02

Instrument :

BNA_M

ClientSampleId :

1535

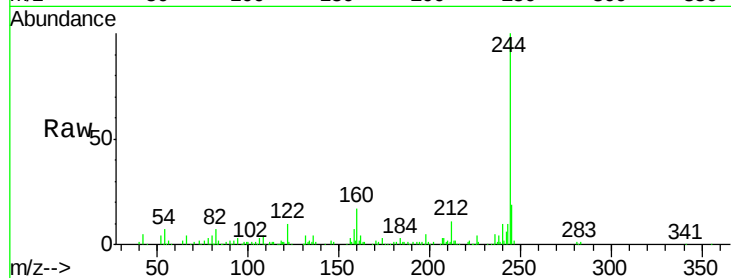
Tgt Ion:244 Resp: 158384

Ion Ratio Lower Upper

244 100

212 10.9 4.9 7.3#

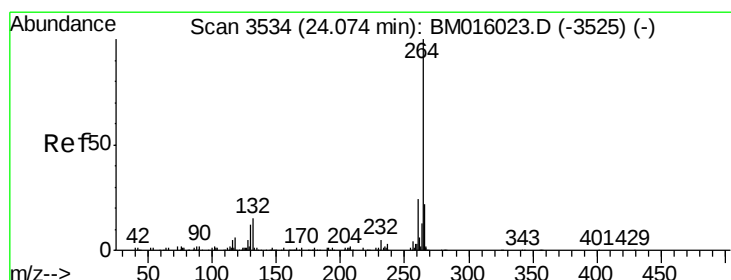
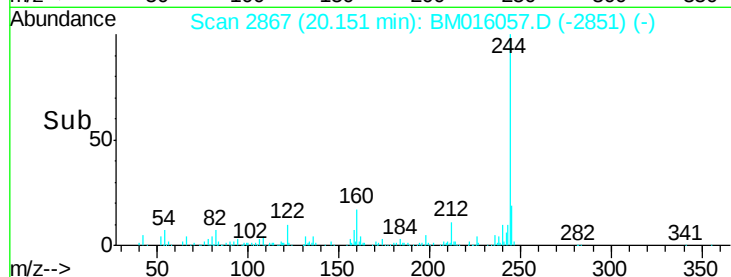
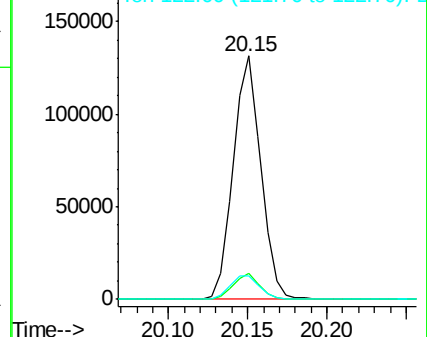
122 9.9 6.2 9.4#



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: 24.07 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BM016057.D

Acq: 24 Jul 2018 16:02

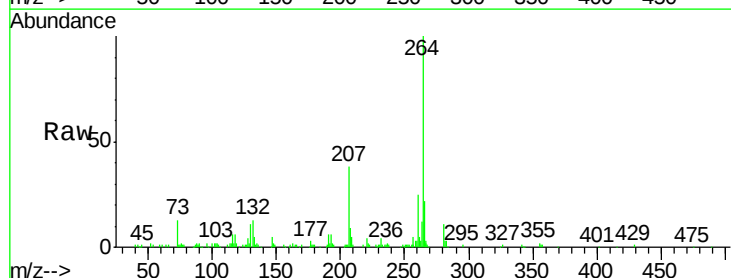
Tgt Ion:264 Resp: 183208

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

265 21.9 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

