

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072617\
 Data File : BM010972.D
 Acq On : 26 Jul 2017 16:00
 Operator : SJ/JU
 Sample : I4351-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0535

Quant Time: Jul 26 16:57:29 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 15:23:06 2017
 Response via : Initial Calibration

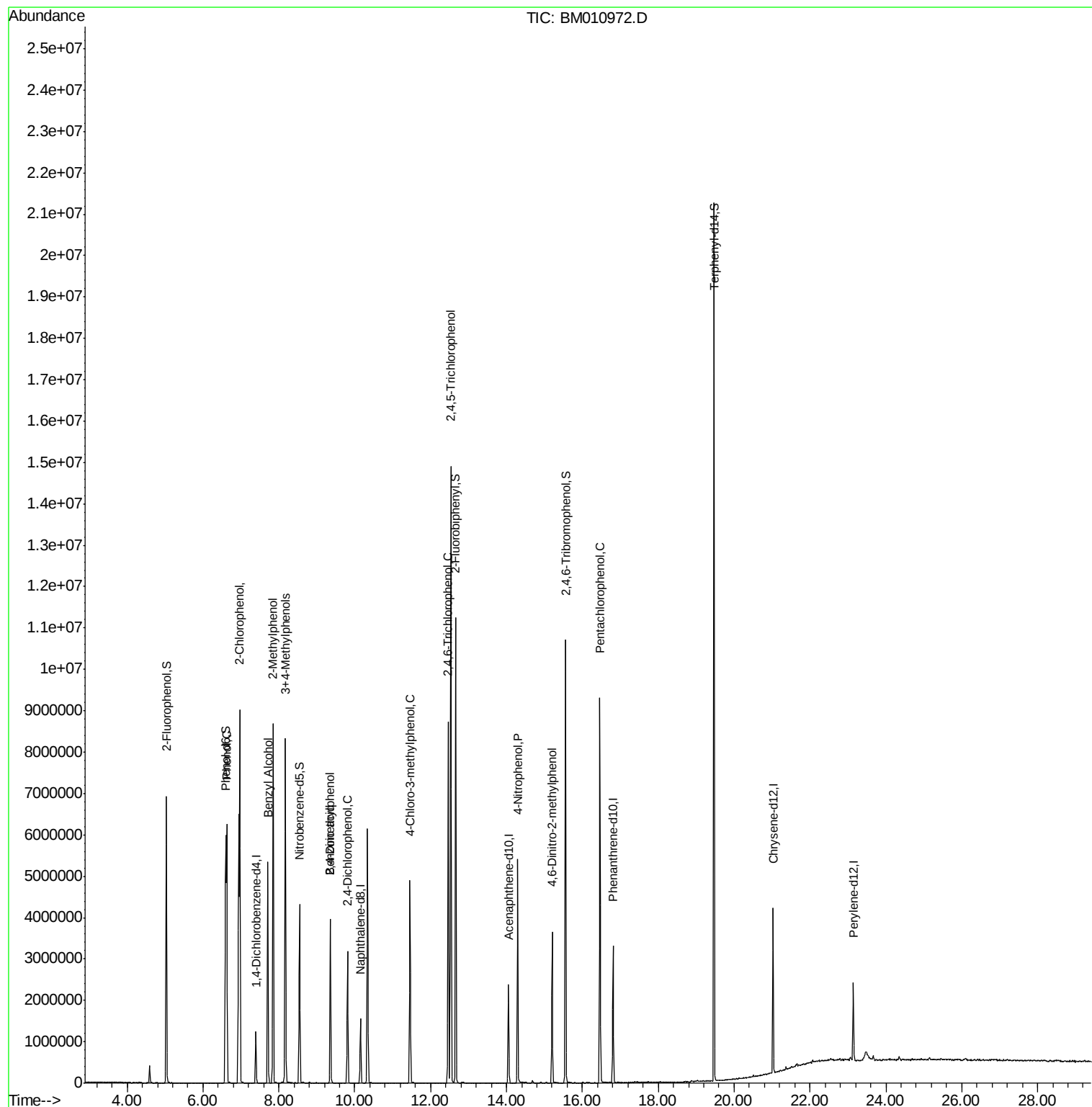
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	253924	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	1037235	20.00	ng	0.00
38) Acenaphthene-d10	14.05	164	705368	20.00	ng	0.00
63) Phenanthrene-d10	16.81	188	1716839	20.00	ng	0.00
75) Chrysene-d12	21.03	240	1820543	20.00	ng	0.00
86) Perylene-d12	23.14	264	1318822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	2151615	143.24	ng	0.00
7) Phenol-d6	6.60	99	3041434	142.51	ng	0.00
23) Nitrobenzene-d5	8.55	82	2340899	84.70	ng	0.00
41) 2,4,6-Tribromophenol	15.56	330	1618797	143.19	ng	0.00
44) 2-Fluorobiphenyl	12.66	172	4967722	88.33	ng	0.00
78) Terphenyl-d14	19.47	244	8088607	88.01	ng	0.00
Target Compounds						
8) 2-Chlorophenol	6.97	128	2733992	179.273	ng	Qvalue 85
10) Phenol	6.63	94	2507825	108.184	ng	97
15) Benzyl Alcohol	7.71	79	43554	2.127	ng	# 50
17) 2-Methylphenol	7.85	107	2040466	137.726	ng	# 81
20) 3+4-Methylphenols	8.17	107	3051683	148.179	ng	85
27) 2,4-Dimethylphenol	9.36	122	831354	51.827	ng	# 73
29) 2,4-Dichlorophenol	9.81	162	822434	45.627	ng	91
32) Benzoic acid	9.36	122	820046	63.601	ng	# 28
36) 4-Chloro-3-methylphenol	11.46	107	1466382	63.003	ng	# 75
42) 2,4,6-Trichlorophenol	12.47	196	1988193	108.392	ng	99
43) 2,4,5-Trichlorophenol	12.53	196	3341592	176.880	ng	# 87
55) 4-Nitrophenol	14.30	139	862452	92.707	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.20	198	666480	57.343	ng	87
69) Pentachlorophenol	16.46	266	1374669	86.820	ng	98

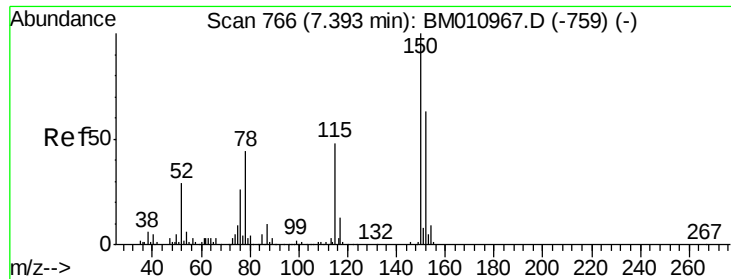
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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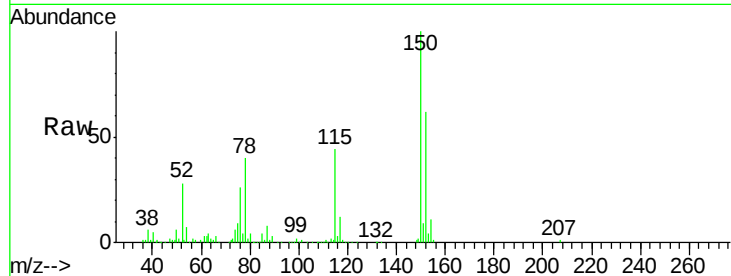


#1

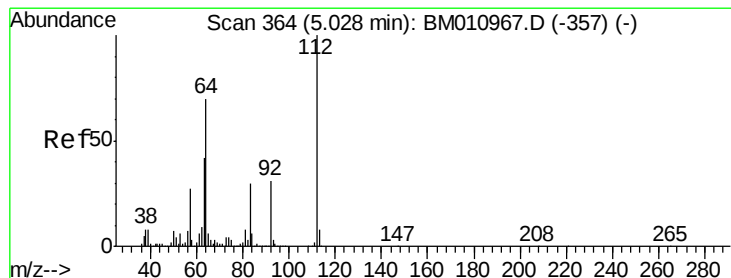
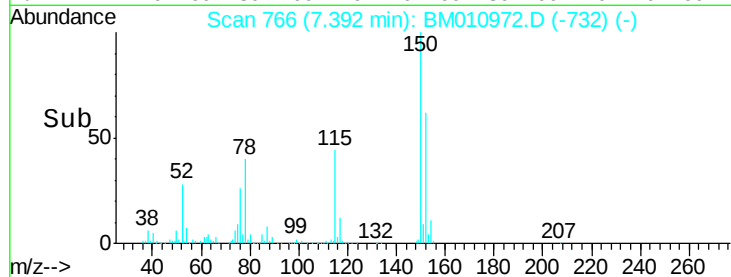
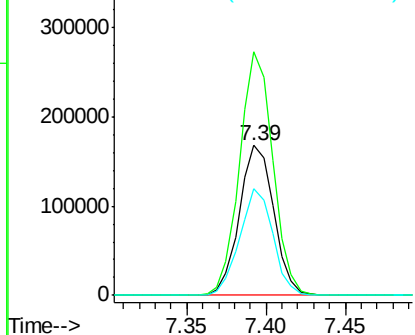
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 766
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:152 Resp: 253924
Ion Ratio Lower Upper
152 100
150 162.3 119.5 179.3
115 71.1 43.0 64.4#



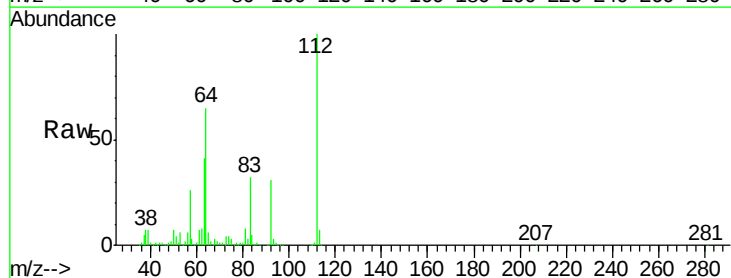
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



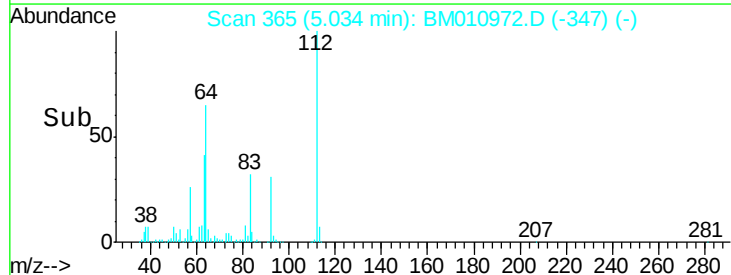
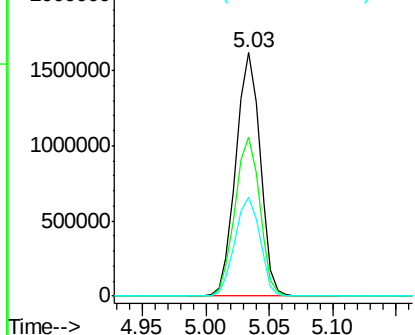
#5

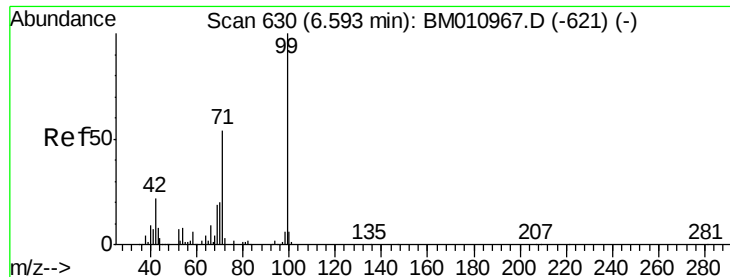
2-Fluorophenol
Concen: 143.239 ng
RT: 5.03 min Scan# 365
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:112 Resp: 2151615
Ion Ratio Lower Upper
112 100
64 65.5 38.6 57.8#
63 40.8 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: 142.507 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

BNA_M

ClientSampleId :

0535

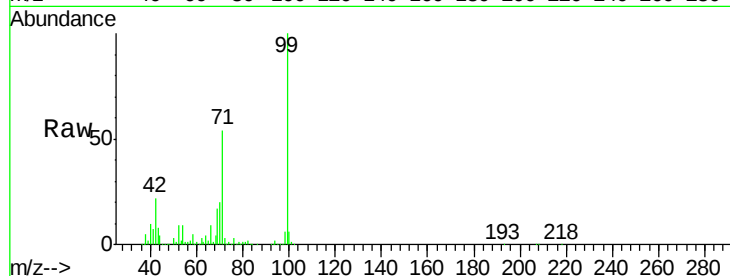
Tgt Ion: 99 Resp: 3041434

Ion Ratio Lower Upper

99 100

42 22.2 11.0 16.4#

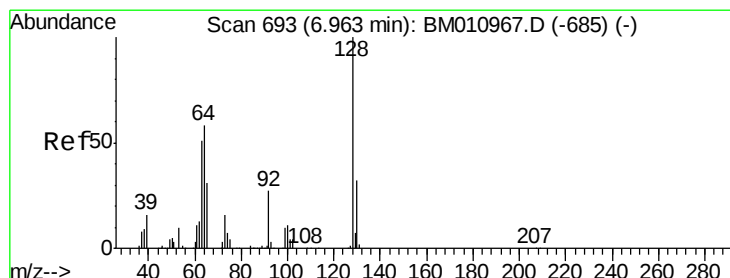
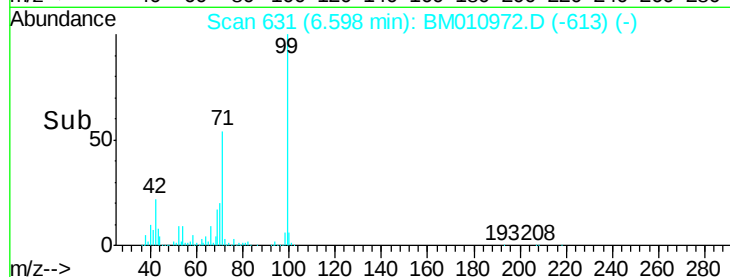
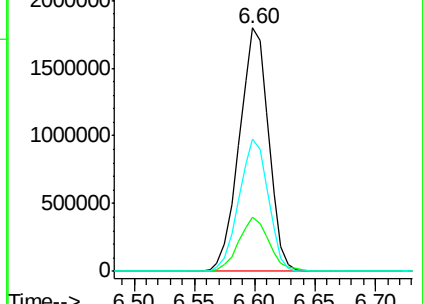
71 54.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010967.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM010967.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM010967.D (-621) (-)



#8

2-Chlorophenol

Concen: 179.273 ng

RT: 6.97 min Scan# 694

Delta R.T. 0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

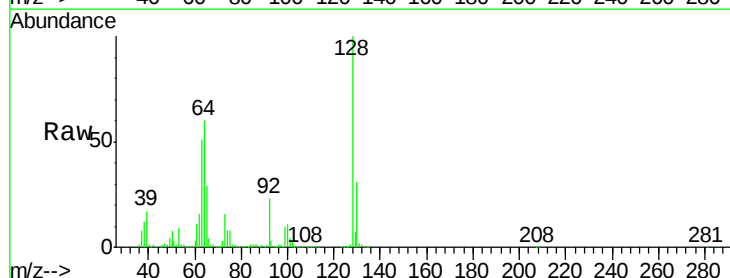
Tgt Ion: 128 Resp: 2733992

Ion Ratio Lower Upper

128 100

130 30.8 12.0 52.0

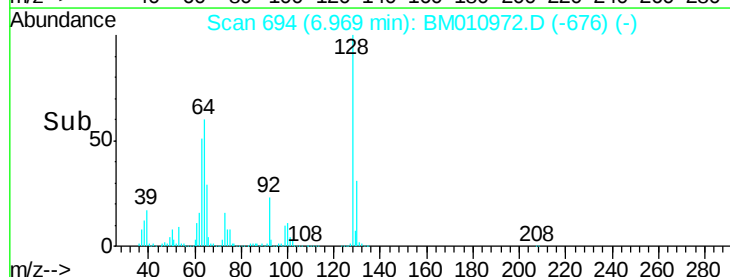
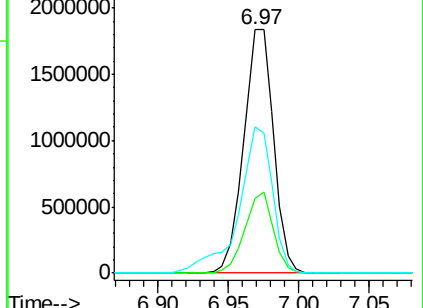
64 60.4 24.9 64.9

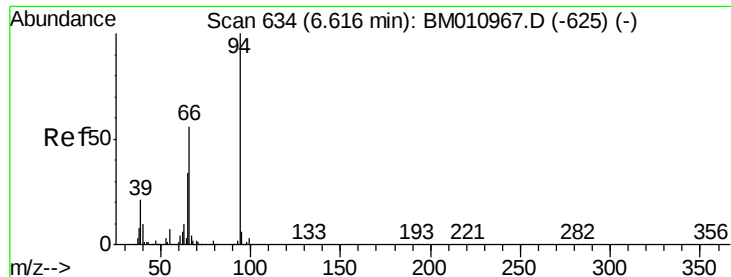


Abundance Ion 128.00 (127.70 to 128.70): BM010967.D (-685) (-)

Ion 130.00 (129.70 to 130.70): BM010967.D (-685) (-)

Ion 64.00 (63.70 to 64.70): BM010967.D (-685) (-)





#10

Phenol

Concen: 108.184 ng

RT: 6.63 min Scan# 636

Delta R.T. 0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

BNA_M

ClientSampleId :

0535

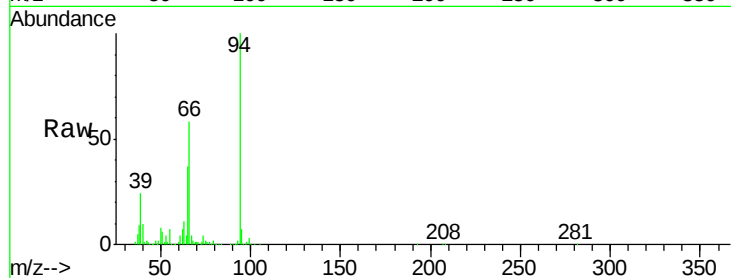
Tgt Ion: 94 Resp: 2507825

Ion Ratio Lower Upper

94 100

65 37.0 18.8 58.8

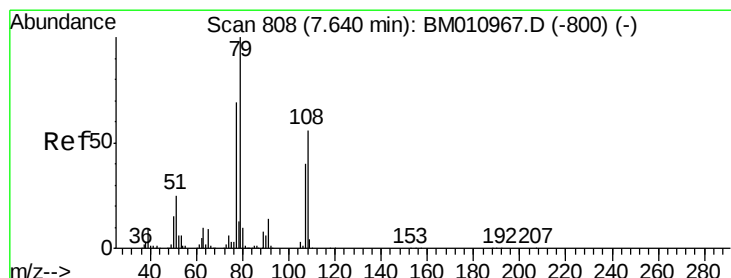
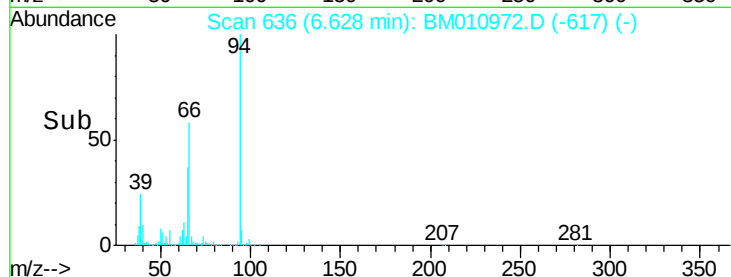
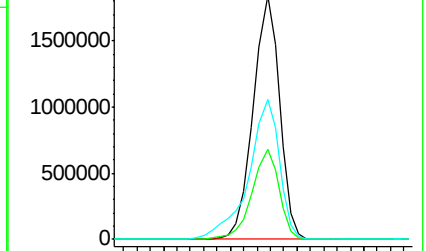
66 57.6 39.9 79.9



Abundance Ion 94.00 (93.70 to 94.70): BM010967.D (-625) (-)

Ion 65.00 (64.70 to 65.70): BM010967.D (-625) (-)

Ion 66.00 (65.70 to 66.70): BM010967.D (-625) (-)



#15

Benzyl Alcohol

Concen: 2.127 ng

RT: 7.71 min Scan# 820

Delta R.T. 0.07 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

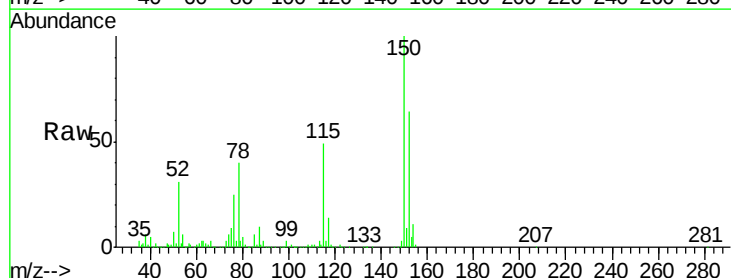
Tgt Ion: 79 Resp: 43554

Ion Ratio Lower Upper

79 100

108 40.8 65.0 97.4#

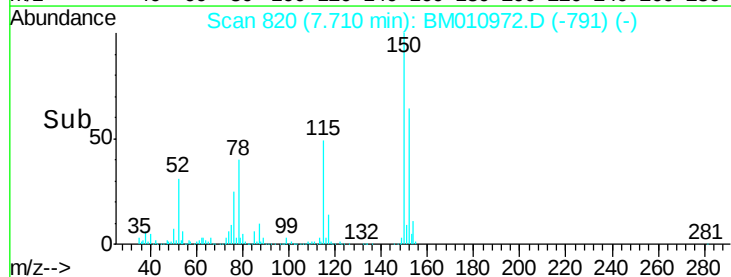
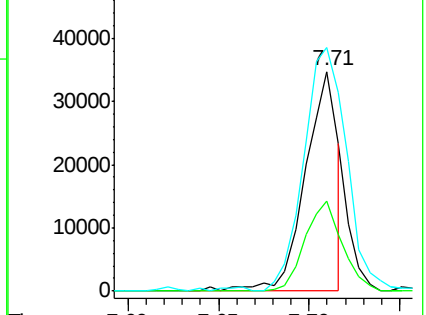
77 110.9 53.0 79.6#

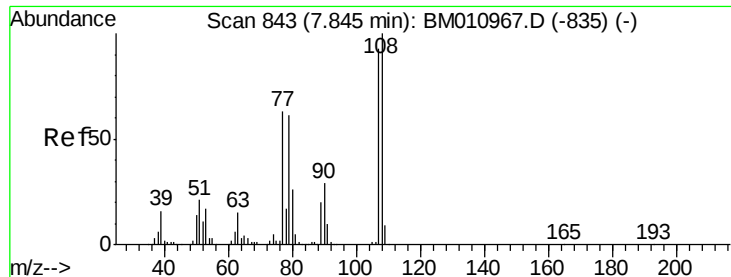


Abundance Ion 79.00 (78.70 to 79.70): BM010967.D (-800) (-)

Ion 108.00 (107.70 to 108.70): BM010967.D (-800) (-)

Ion 77.00 (76.70 to 77.70): BM010967.D (-800) (-)

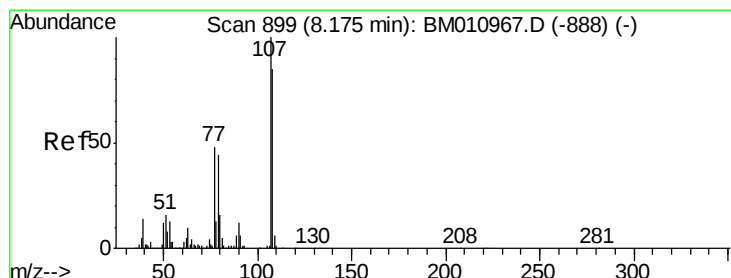
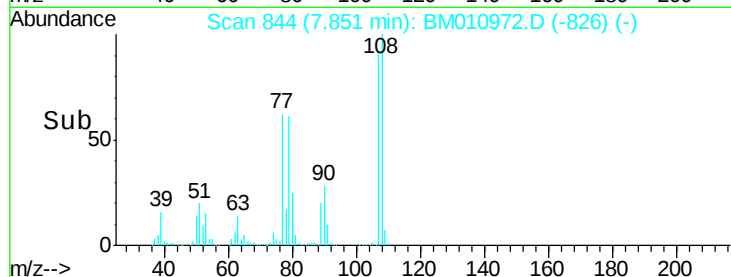
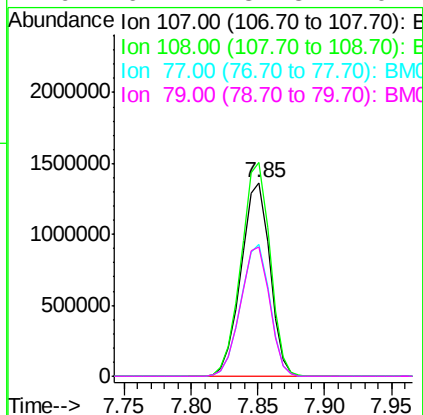
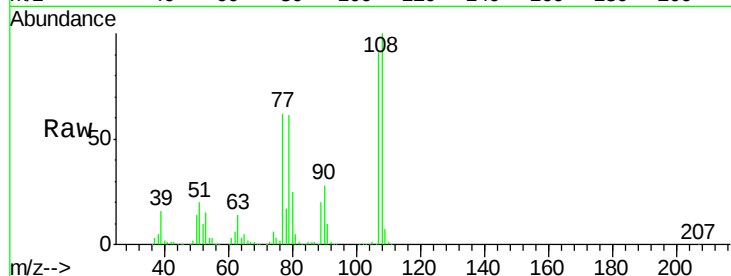




#17
2-Methylphenol
Concen: 137.726 ng
RT: 7.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

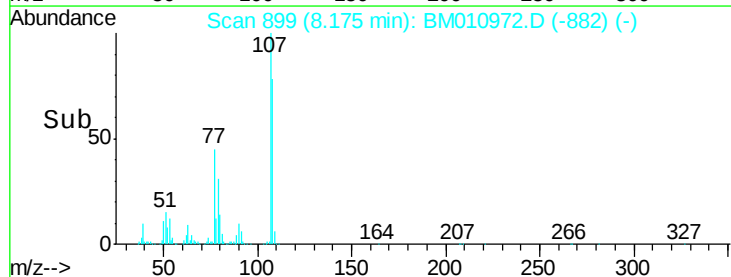
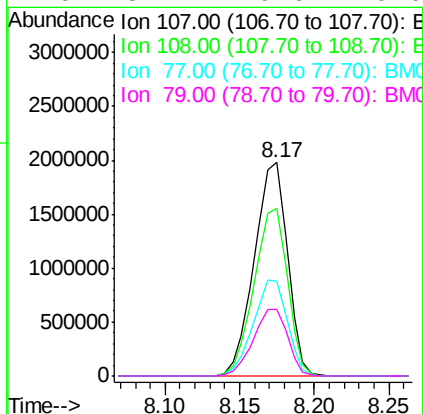
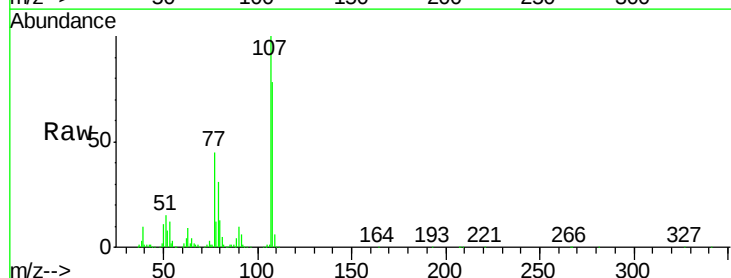
Instrument :
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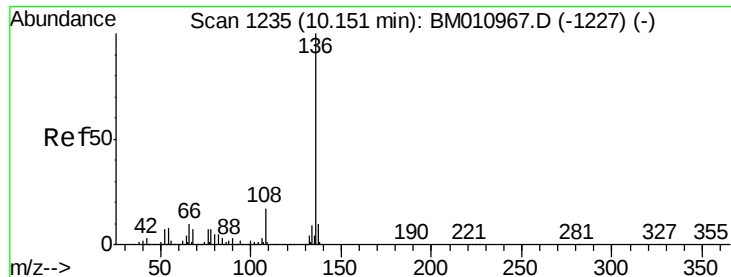
Tgt Ion:107 Resp: 2040466
Ion Ratio Lower Upper
107 100
108 110.4 89.8 134.8
77 68.5 32.6 48.8#
79 67.1 32.8 49.2#



#20
3+4-Methylphenols
Concen: 148.179 ng
RT: 8.17 min Scan# 899
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:107 Resp: 3051683
Ion Ratio Lower Upper
107 100
108 78.2 73.2 113.2
77 44.6 10.7 50.7
79 31.2 9.6 49.6

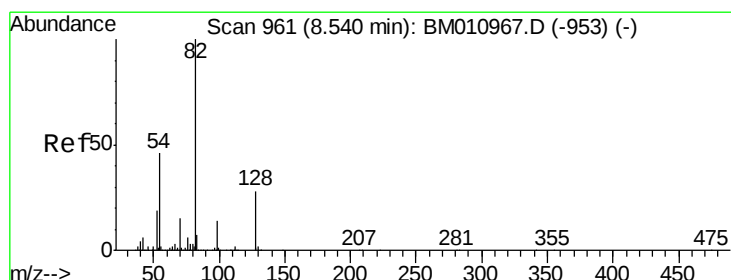
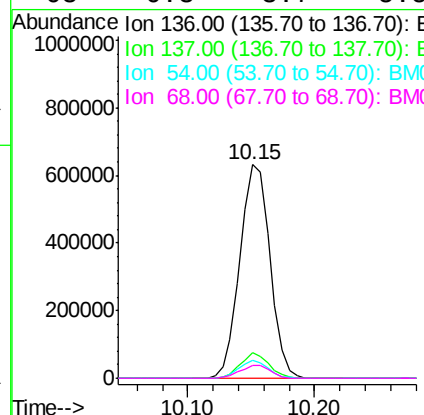
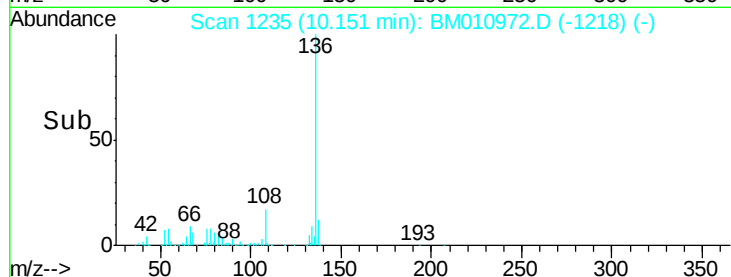
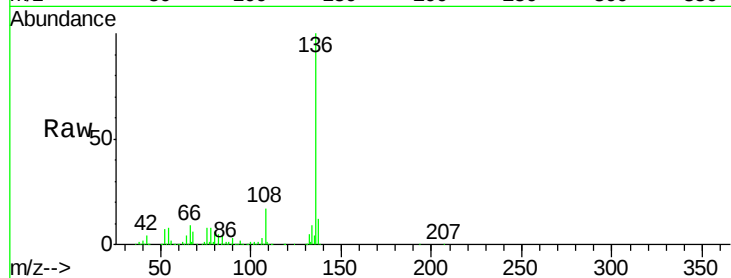




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

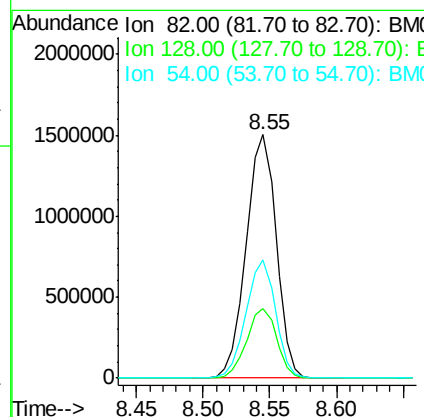
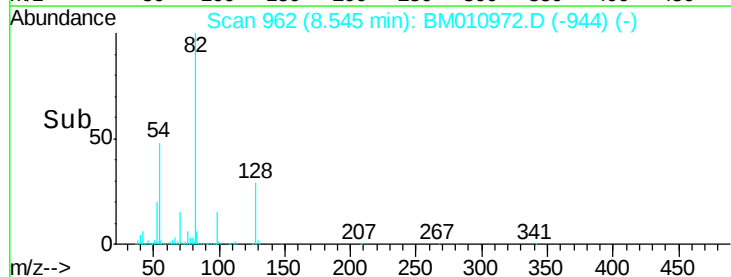
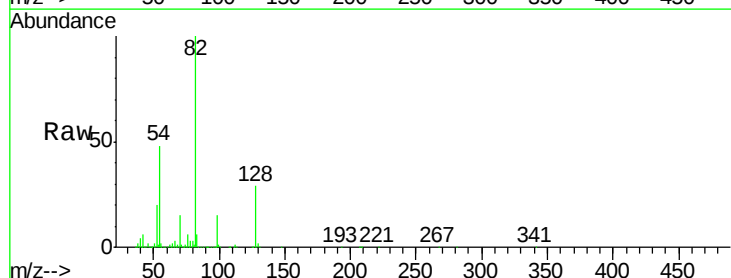
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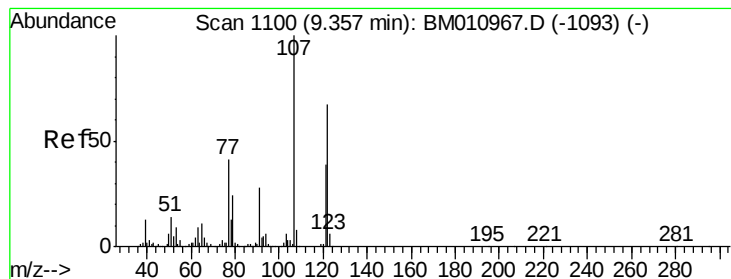
Tgt Ion: 136 Resp: 1037235
Ion Ratio Lower Upper
136 100
137 12.1 8.7 13.1
54 8.3 4.6 6.8#
68 6.3 3.7 5.5#



#23
Nitrobenzene-d5
Concen: 84.704 ng
RT: 8.55 min Scan# 962
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion: 82 Resp: 2340899
Ion Ratio Lower Upper
82 100
128 28.6 32.8 49.2#
54 48.3 40.6 60.8





#27

2,4-Dimethylphenol

Concen: 51.827 ng

RT: 9.36 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

BNA_M

ClientSampled :

0535

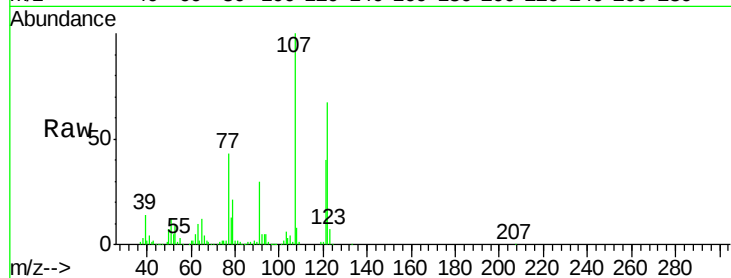
Tgt Ion:122 Resp: 831354

Ion Ratio Lower Upper

122 100

107 148.4 84.7 127.1#

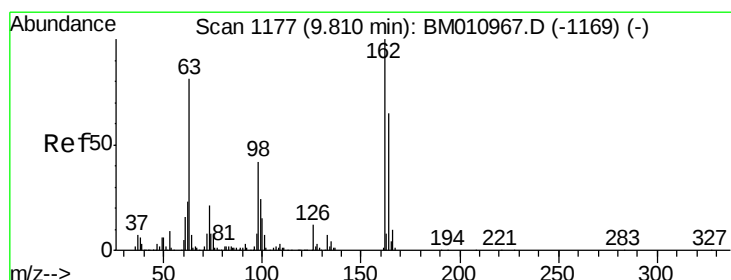
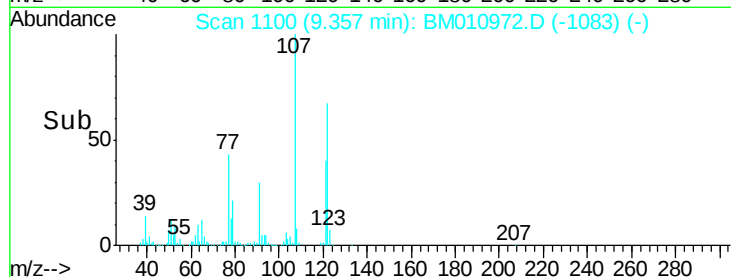
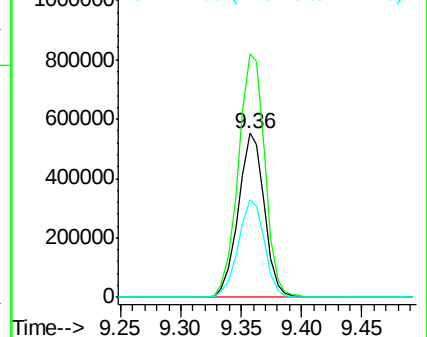
121 59.9 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#29

2,4-Dichlorophenol

Concen: 45.627 ng

RT: 9.81 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

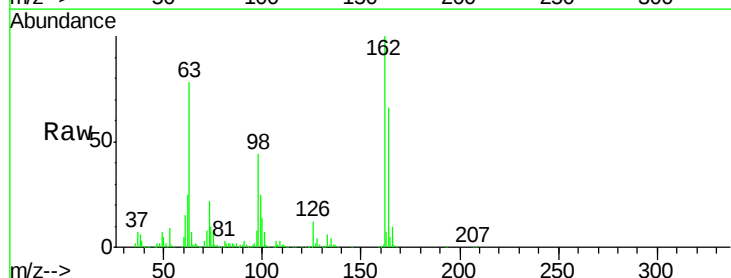
Tgt Ion:162 Resp: 822434

Ion Ratio Lower Upper

162 100

164 65.8 42.8 82.8

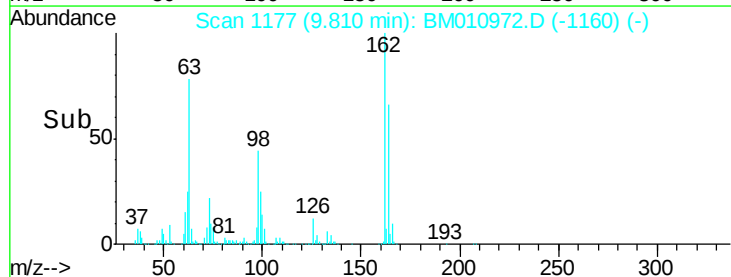
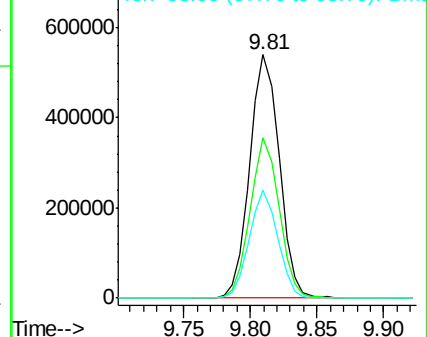
98 44.4 14.5 54.5

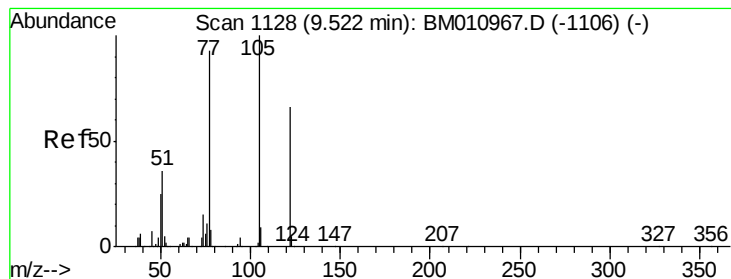


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM





#32

Benzoic acid

Concen: 63.601 ng

RT: 9.36 min Scan# 1100

Delta R.T. -0.16 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

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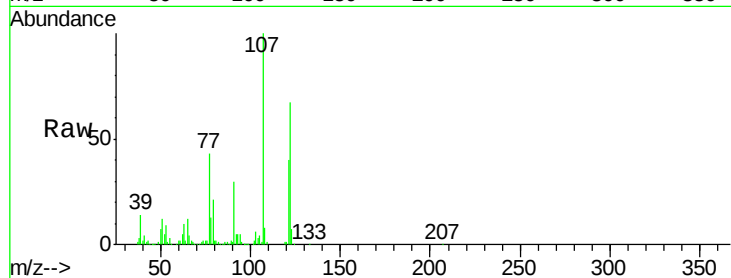
Tgt Ion:122 Resp: 820046

Ion Ratio Lower Upper

122 100

105 5.4 99.9 139.9#

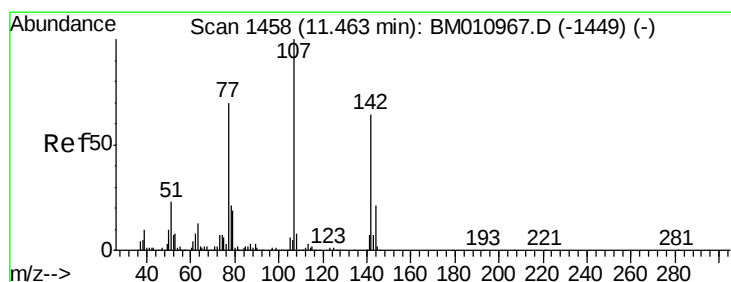
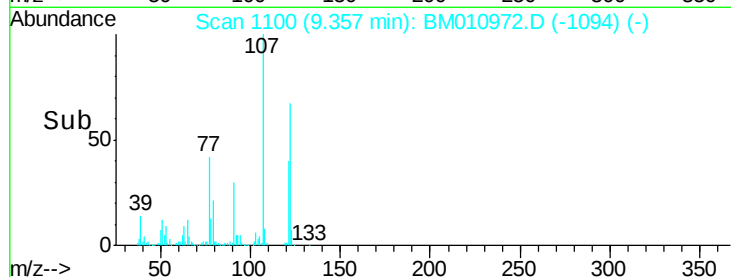
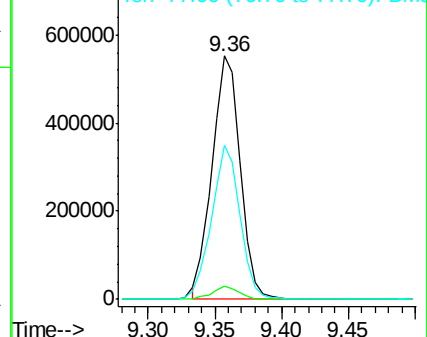
77 63.1 73.7 113.7#



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): BM



#36

4-Chloro-3-methylphenol

Concen: 63.003 ng

RT: 11.46 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

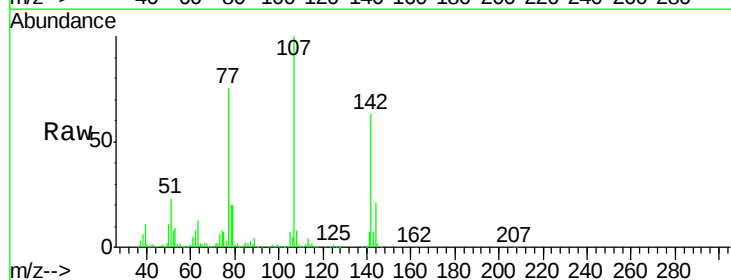
Tgt Ion:107 Resp: 1466382

Ion Ratio Lower Upper

107 100

144 21.2 23.3 34.9#

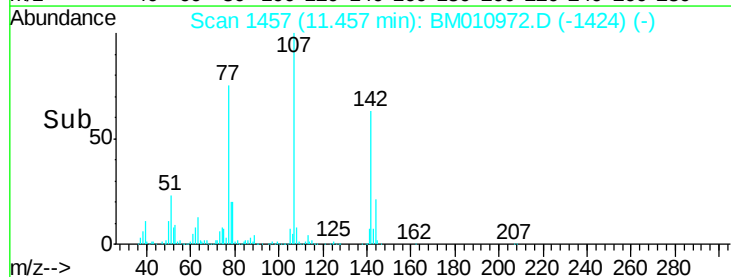
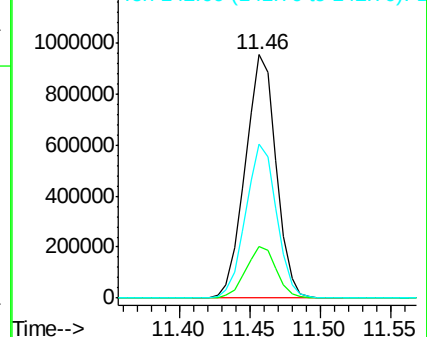
142 63.4 72.6 109.0#

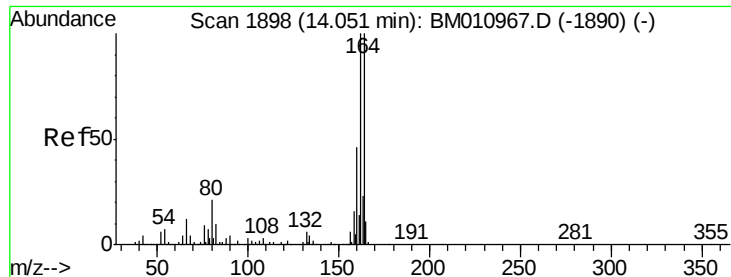


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.05 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

BNA_M

ClientSampleId :

0535

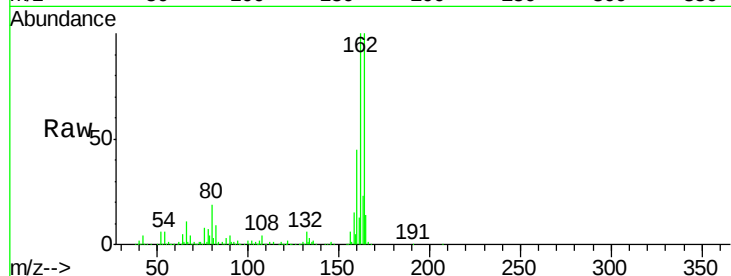
Tgt Ion:164 Resp: 705368

Ion Ratio Lower Upper

164 100

162 100.4 82.4 123.6

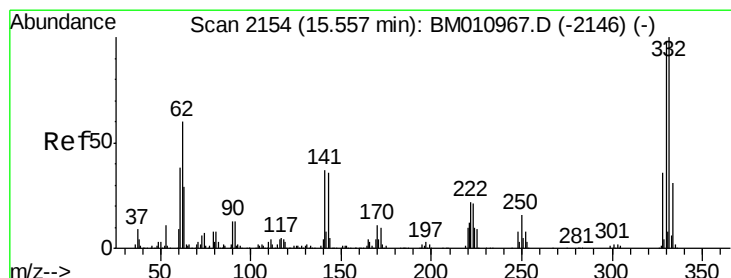
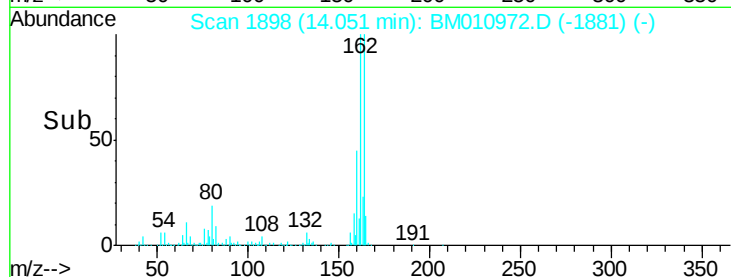
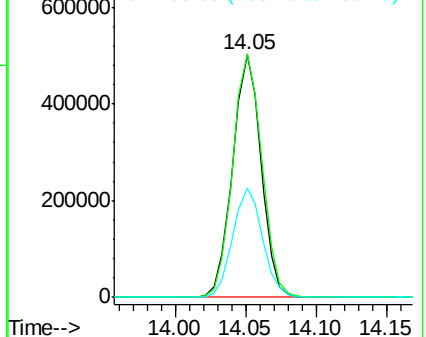
160 44.9 35.8 53.6



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: 143.186 ng

RT: 15.56 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

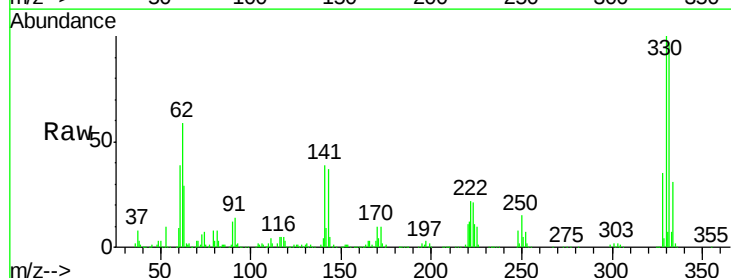
Tgt Ion:330 Resp: 1618797

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

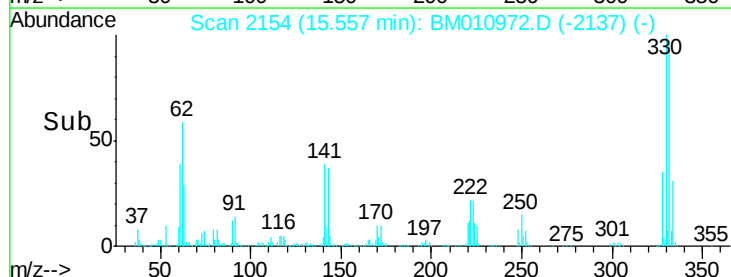
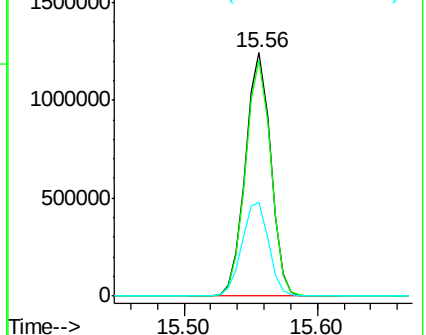
141 40.9 0.0 0.0#

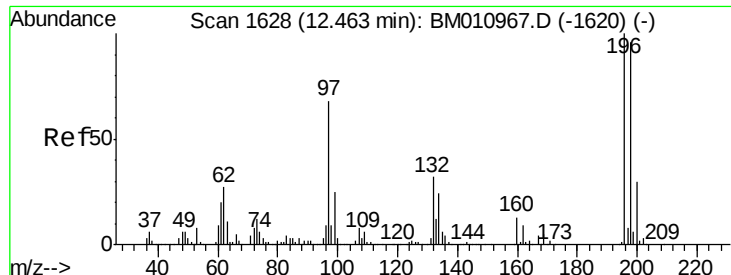


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

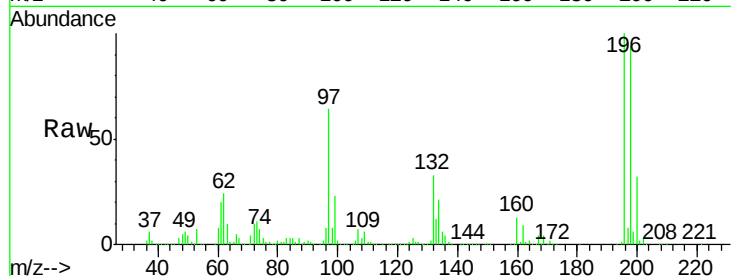




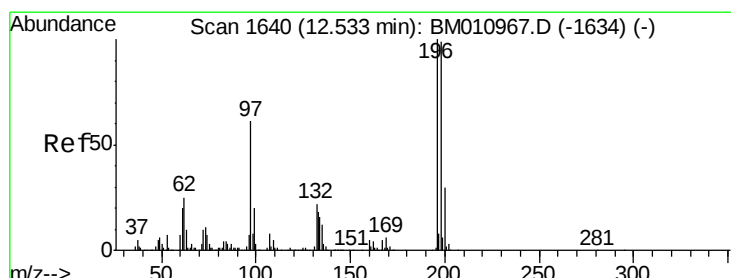
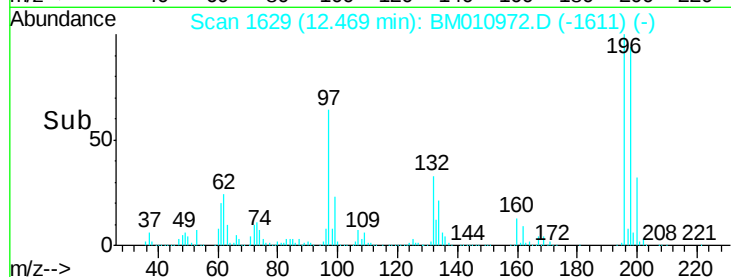
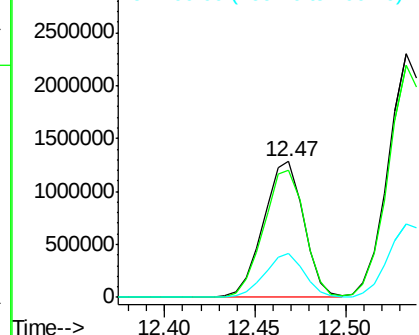
#42
2,4,6-Trichlorophenol
Concen: 108.392 ng
RT: 12.47 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Instrument :
BNA_M
ClientSampleId :
0535

Tgt Ion:196 Resp: 1988193
Ion Ratio Lower Upper
196 100
198 94.1 76.3 114.5
200 31.9 25.6 38.4

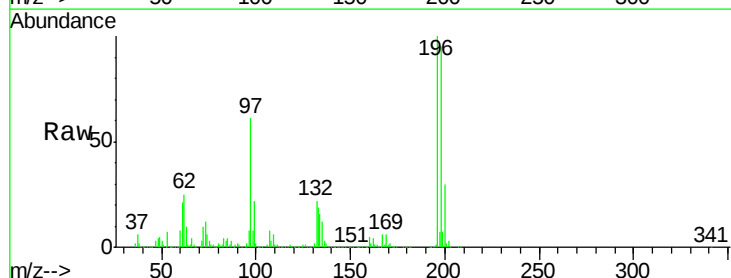


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

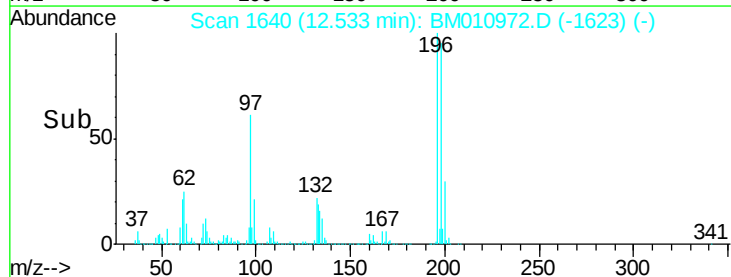
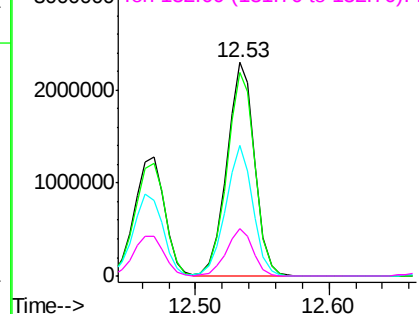


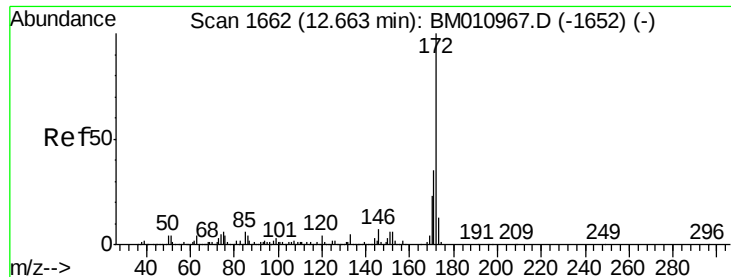
#43
2,4,5-Trichlorophenol
Concen: 176.880 ng
RT: 12.53 min Scan# 1640
Delta R.T. -0.00 min
Lab File: BM010972.D
Acq: 26 Jul 2017 16:00

Tgt Ion:196 Resp: 3341592
Ion Ratio Lower Upper
196 100
198 95.2 79.4 119.0
97 61.2 26.8 40.2#
132 22.4 18.6 28.0



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM0
Ion 132.00 (131.70 to 132.70): E

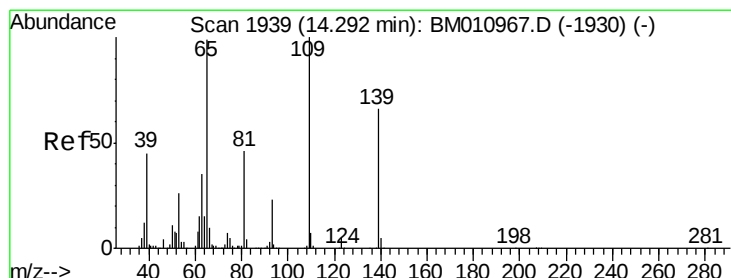
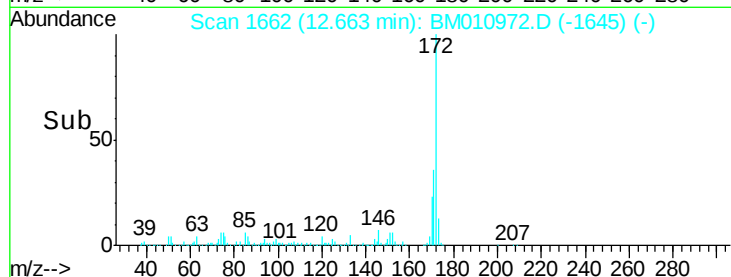
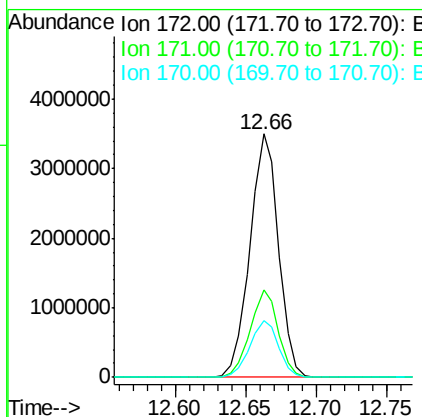
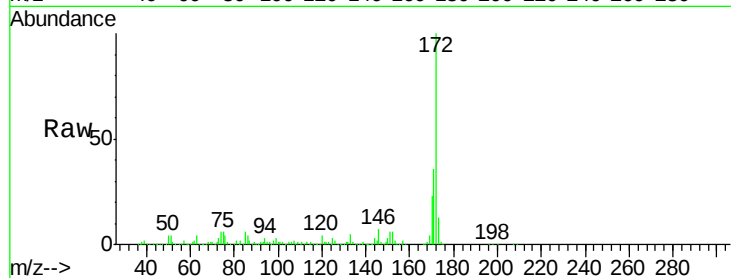




#44
 2-Fluorobiphenyl
 Concen: 88.326 ng
 RT: 12.66 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

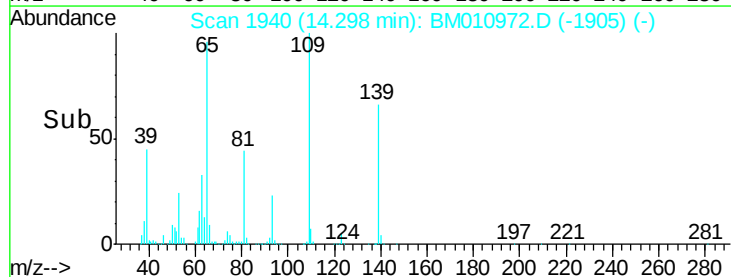
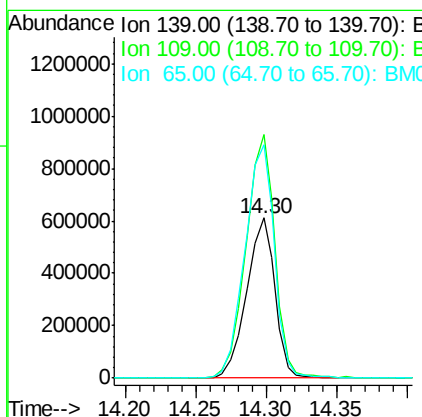
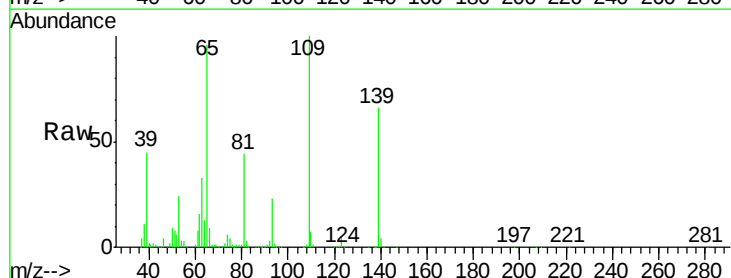
Instrument :
 BNA_M
 ClientSampleId :
 0535

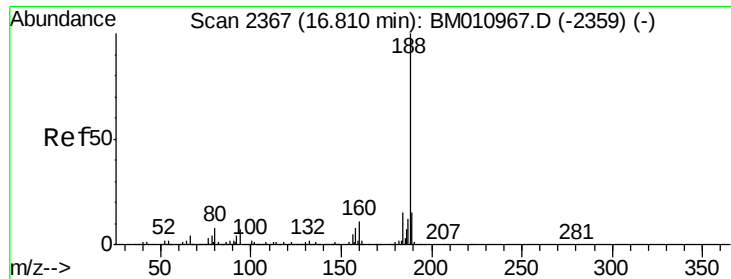
Tgt Ion:172 Resp: 4967722
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.5 42.7
 170 23.3 18.8 28.2



#55
 4-Nitrophenol
 Concen: 92.707 ng
 RT: 14.30 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

Tgt Ion:139 Resp: 862452
 Ion Ratio Lower Upper
 139 100
 109 152.1 37.7 77.7#
 65 146.2 49.9 89.9#

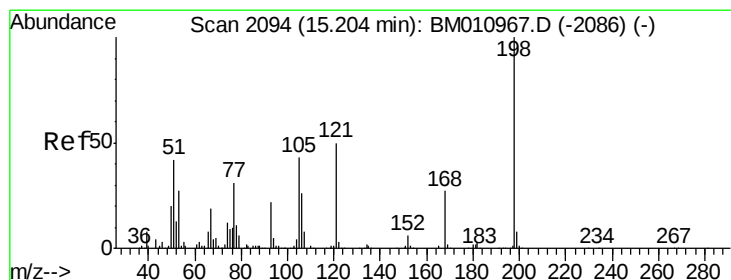
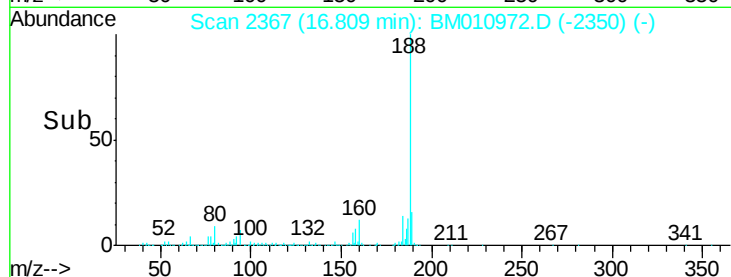
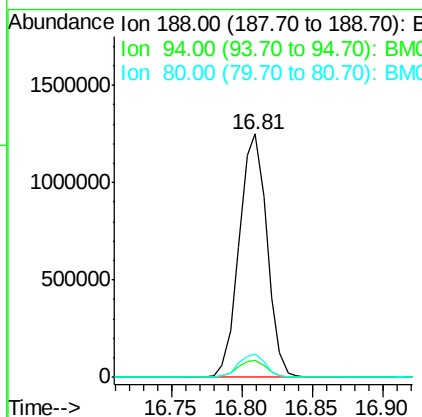
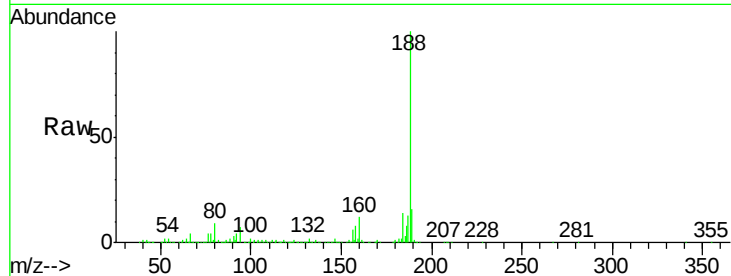




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.81 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

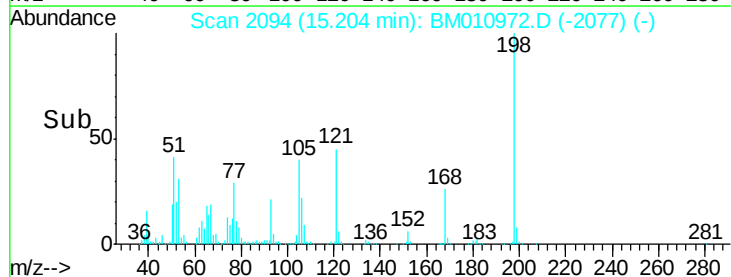
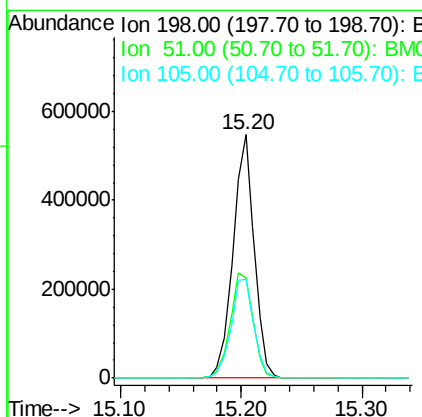
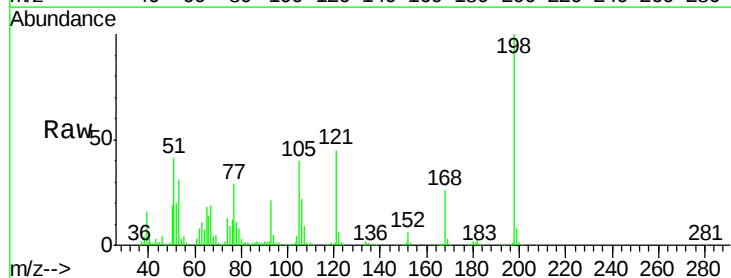
Instrument :
 BNA_M
 ClientSampleId :
 0535

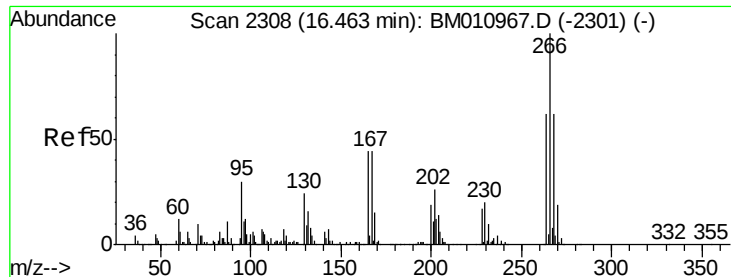
Tgt Ion:188 Resp: 1716839
 Ion Ratio Lower Upper
 188 100
 94 7.1 8.7 13.1#
 80 9.4 9.3 13.9



#64
 4,6-Dinitro-2-methylphenol
 Concen: 57.343 ng
 RT: 15.20 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

Tgt Ion:198 Resp: 666480
 Ion Ratio Lower Upper
 198 100
 51 41.1 28.8 68.8
 105 40.4 30.5 70.5

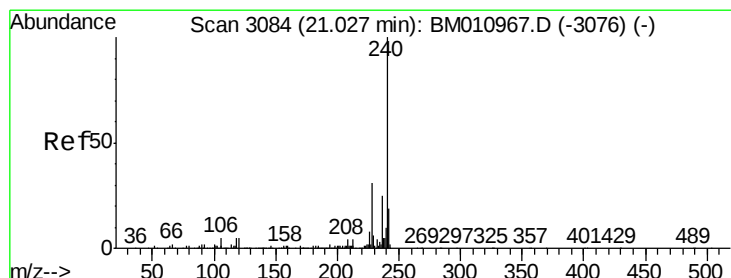
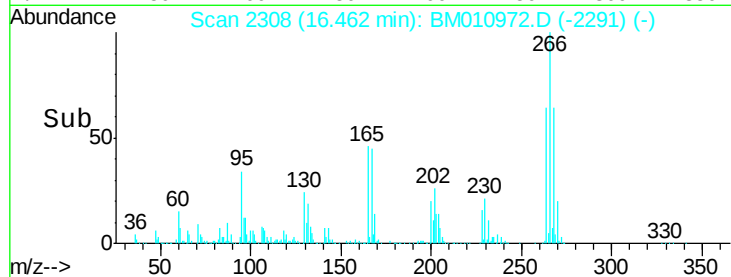
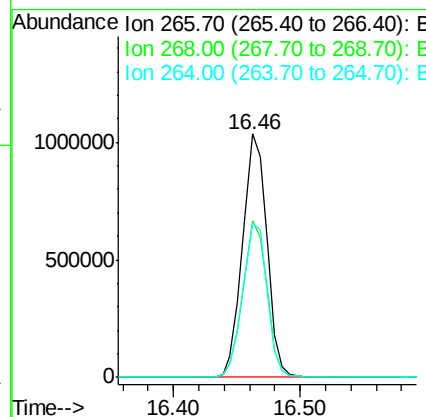
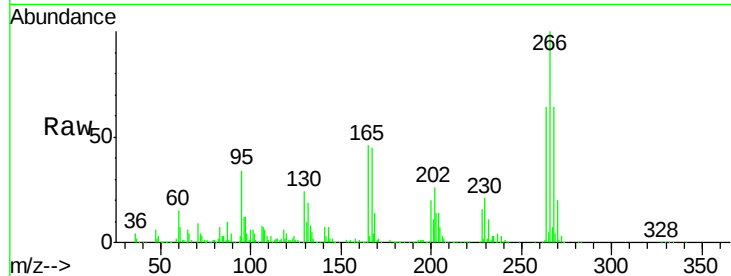




#69
 Pentachlorophenol
 Concen: 86.820 ng
 RT: 16.46 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

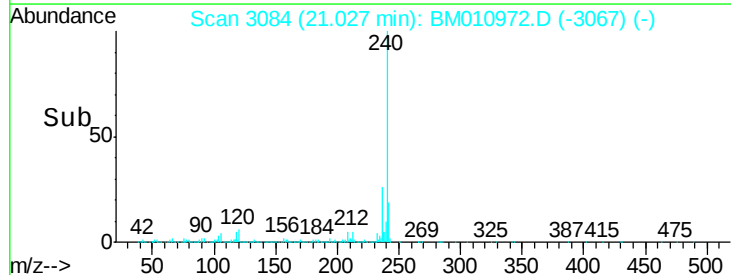
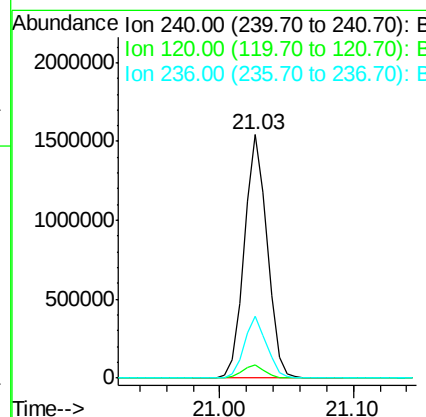
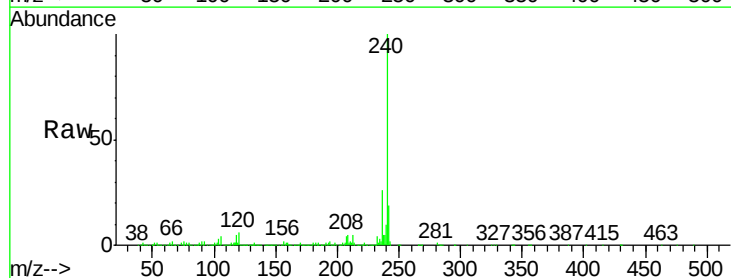
Instrument :
 BNA_M
 ClientSampleId :
 0535

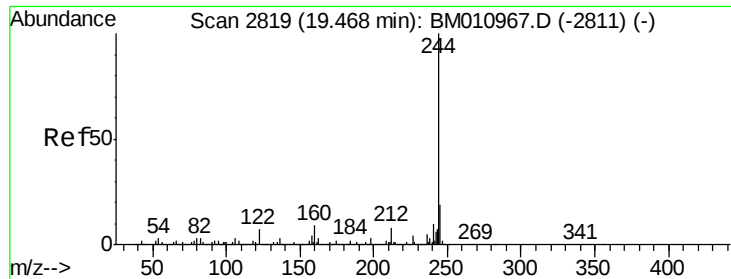
Tgt Ion:266 Resp: 1374669
 Ion Ratio Lower Upper
 266 100
 268 64.5 52.0 78.0
 264 63.5 49.0 73.4



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.03 min Scan# 3084
 Delta R.T. -0.00 min
 Lab File: BM010972.D
 Acq: 26 Jul 2017 16:00

Tgt Ion:240 Resp: 1820543
 Ion Ratio Lower Upper
 240 100
 120 5.5 8.2 12.2#
 236 25.6 20.0 30.0





#78

Terphenyl-d14

Concen: 88.009 ng

RT: 19.47 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

Instrument :

BNA_M

ClientSampleId :

0535

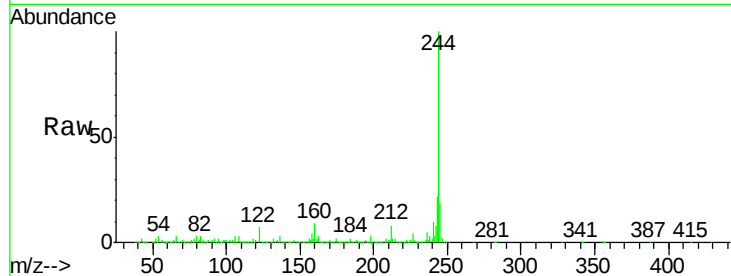
Tgt Ion:244 Resp: 8088607

Ion Ratio Lower Upper

244 100

212 8.2 4.9 7.3#

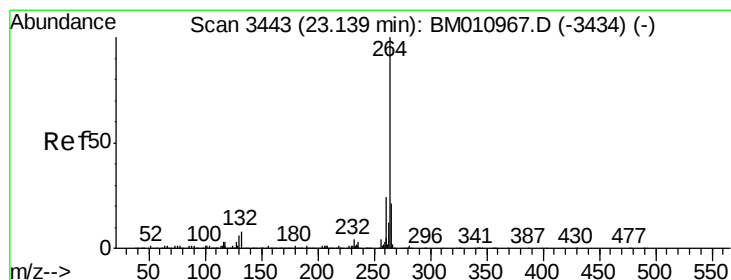
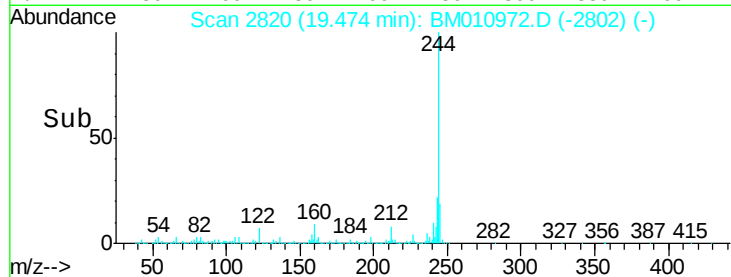
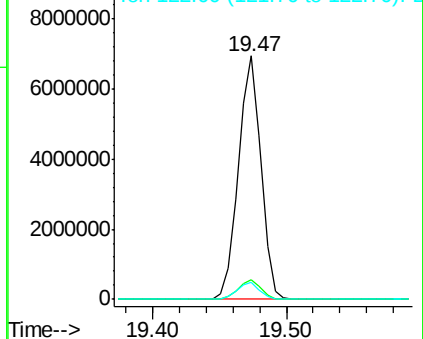
122 7.0 6.2 9.4



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: 23.14 min Scan# 3444

Delta R.T. 0.01 min

Lab File: BM010972.D

Acq: 26 Jul 2017 16:00

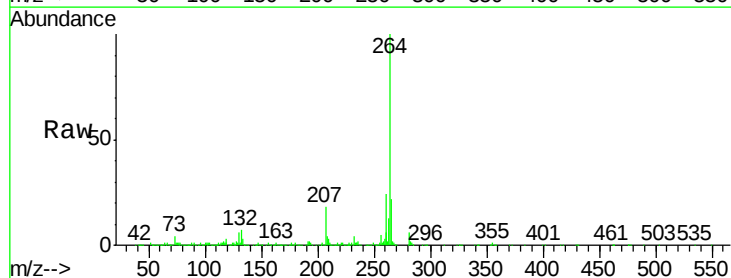
Tgt Ion:264 Resp: 1318822

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 22.1 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

