

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072617\
 Data File : BM010975.D
 Acq On : 26 Jul 2017 17:50
 Operator : SJ/JU
 Sample : I4351-22DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0535DL

Quant Time: Jul 26 18:26:49 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 17:29:06 2017
 Response via : Initial Calibration

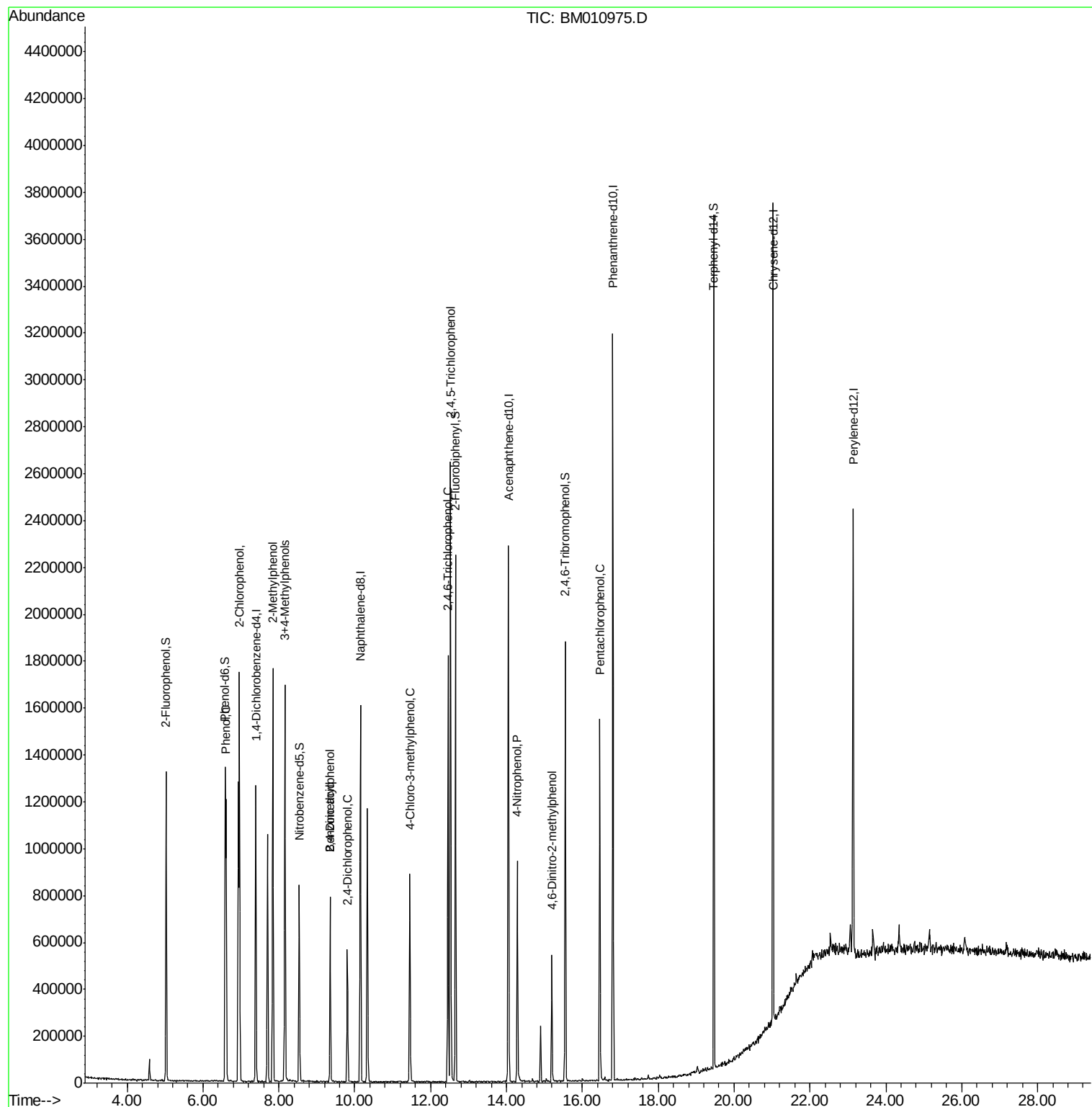
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	265137	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	1042898	20.00	ng	0.00
38) Acenaphthene-d10	14.05	164	679986	20.00	ng	0.00
63) Phenanthrene-d10	16.80	188	1654503	20.00	ng	0.00
75) Chrysene-d12	21.03	240	1660080	20.00	ng	0.00
86) Perylene-d12	23.14	264	1313130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	415801	26.51	ng	0.00
7) Phenol-d6	6.59	99	582451	26.14	ng	0.00
23) Nitrobenzene-d5	8.53	82	468070	16.84	ng	0.00
41) 2,4,6-Tribromophenol	15.55	330	282600	25.93	ng	0.00
44) 2-Fluorobiphenyl	12.66	172	996305	18.38	ng	0.00
78) Terphenyl-d14	19.47	244	1418114	16.92	ng	0.00
Target Compounds						
8) 2-Chlorophenol	6.96	128	531542	33.380	ng	Qvalue # 81
10) Phenol	6.61	94	506877	20.941	ng	96
17) 2-Methylphenol	7.84	107	401057	25.925	ng	# 79
20) 3+4-Methylphenols	8.16	107	591018	27.484	ng	82
27) 2,4-Dimethylphenol	9.35	122	161615	10.020	ng	# 67
29) 2,4-Dichlorophenol	9.80	162	154354	8.517	ng	92
32) Benzoic acid	9.35	122	154922	11.950	ng	# 29
36) 4-Chloro-3-methylphenol	11.45	107	276744	11.826	ng	# 74
42) 2,4,6-Trichlorophenol	12.46	196	369449	20.893	ng	95
43) 2,4,5-Trichlorophenol	12.53	196	613209	33.671	ng	# 89
55) 4-Nitrophenol	14.29	139	150526	16.784	ng	97
64) 4,6-Dinitro-2-methylphenol	15.20	198	95898	8.562	ng	88
69) Pentachlorophenol	16.46	266	242195	15.873	ng	99

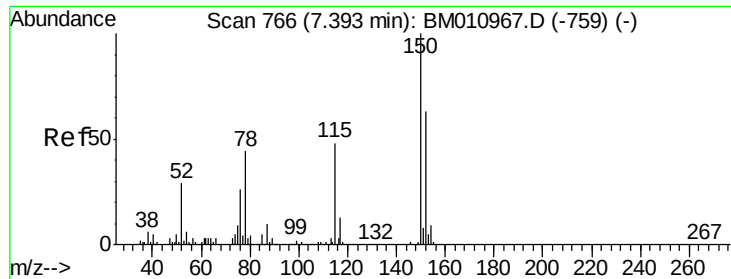
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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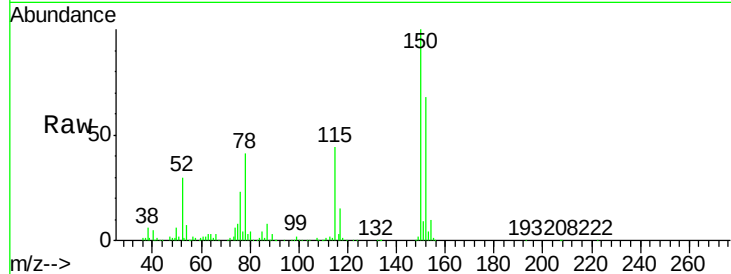


#1

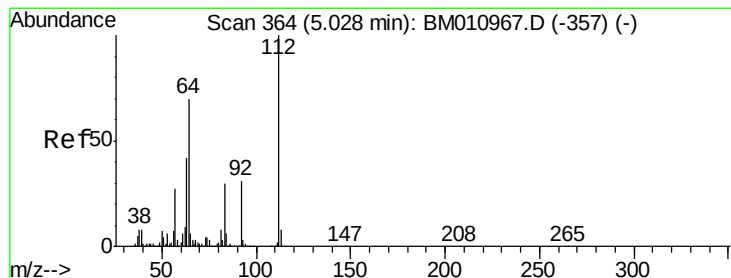
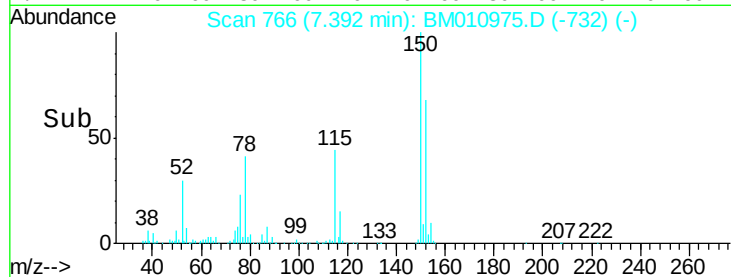
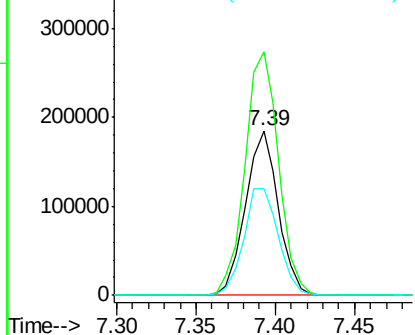
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 766
Delta R.T. -0.00 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Instrument :
BNA_M
ClientSampleId :
0535DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.7	119.5	179.3
115	64.9	43.0	64.4#



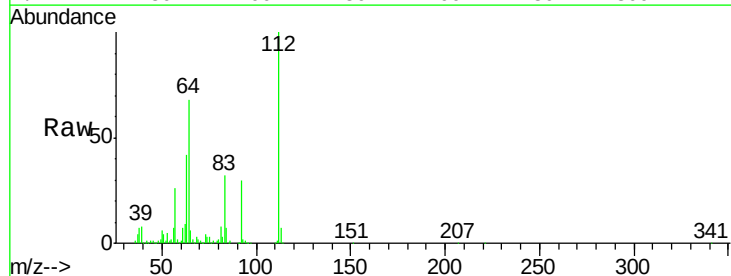
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



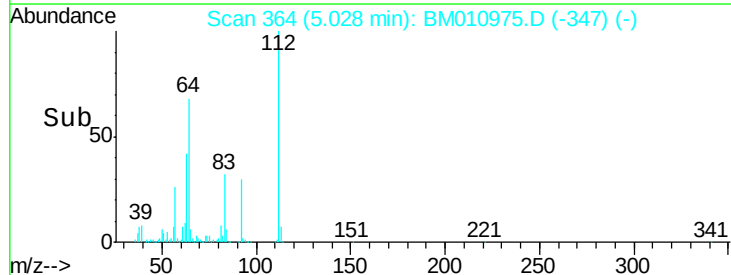
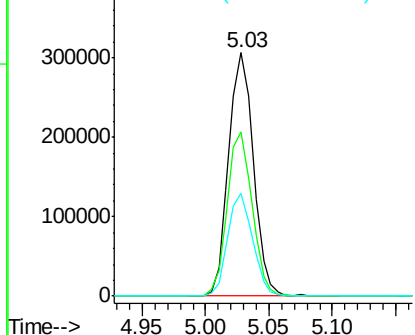
#5

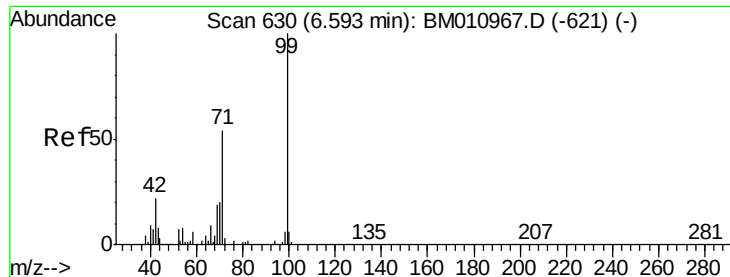
2-Fluorophenol
Concen: 26.510 ng
RT: 5.03 min Scan# 364
Delta R.T. 0.00 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	38.6	57.8#
63	42.1	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: 26.137 ng

RT: 6.59 min Scan# 629

Delta R.T. -0.01 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Instrument :

BNA_M

ClientSampleId :

0535DL

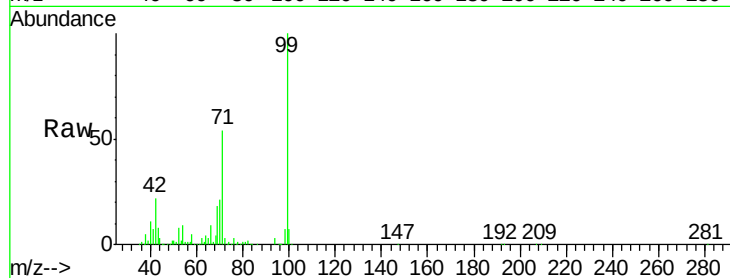
Tgt Ion: 99 Resp: 582451

Ion Ratio Lower Upper

99 100

42 21.9 11.0 16.4#

71 54.3 23.4 35.2#

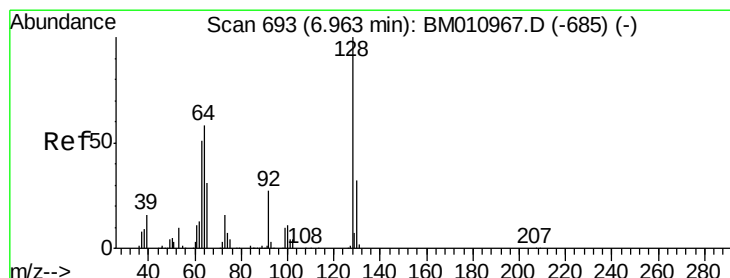
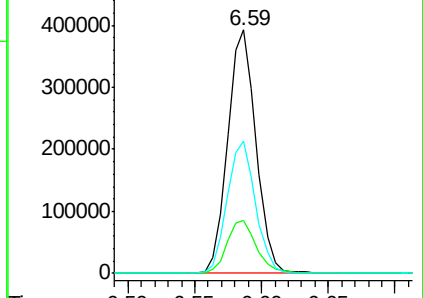
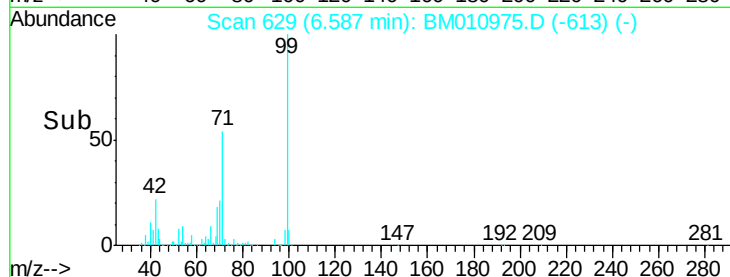


Abundance Ion 99.00 (98.70 to 99.70): BM010967.D (-621) (-)

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

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

Time-->



#8

2-Chlorophenol

Concen: 33.380 ng

RT: 6.96 min Scan# 693

Delta R.T. -0.00 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

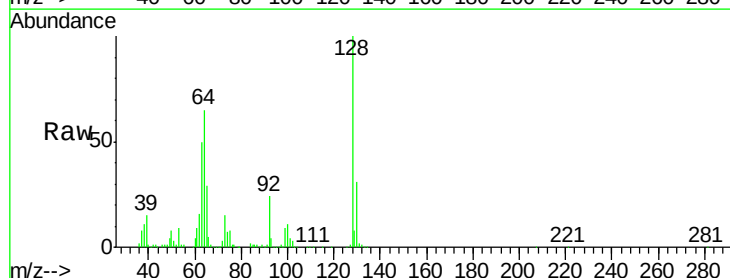
Tgt Ion: 128 Resp: 531542

Ion Ratio Lower Upper

128 100

130 31.4 12.0 52.0

64 65.4 24.9 64.9#

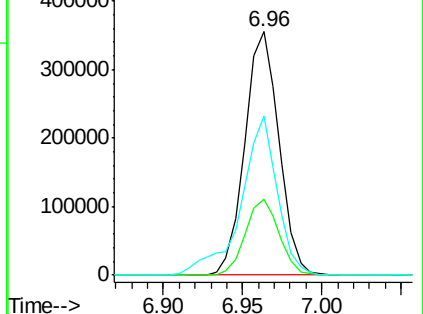
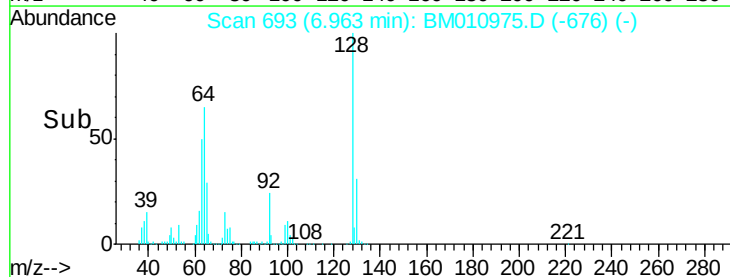


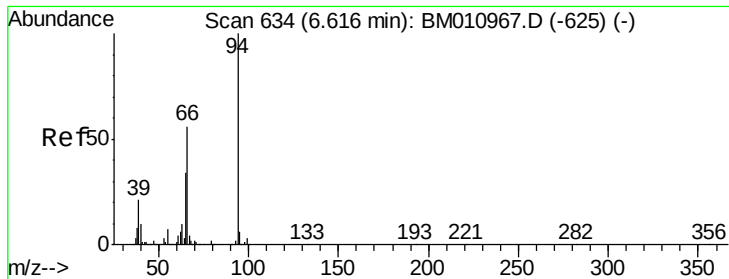
Abundance Ion 128.00 (127.70 to 128.70): BM010967.D (-685) (-)

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

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

Time-->





#10

Phenol

Concen: 20.941 ng

RT: 6.61 min Scan# 633

Delta R.T. -0.01 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Instrument :

BNA_M

ClientSampleId :

0535DL

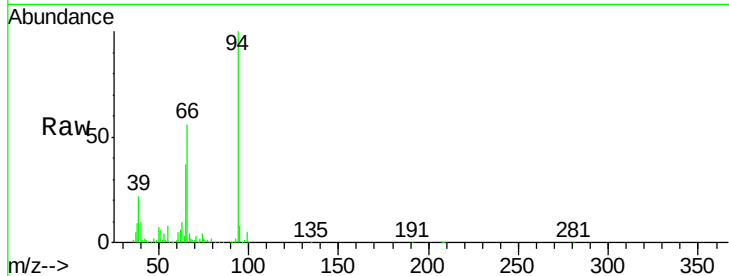
Tgt Ion: 94 Resp: 506877

Ion Ratio Lower Upper

94 100

65 36.8 18.8 58.8

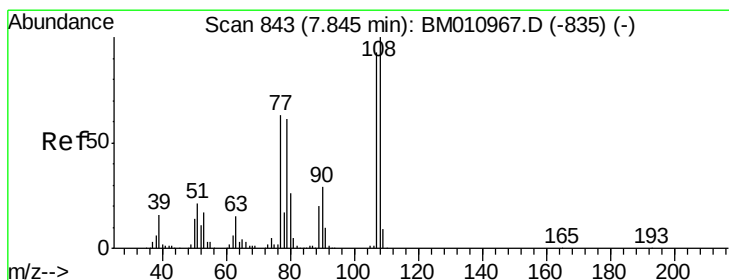
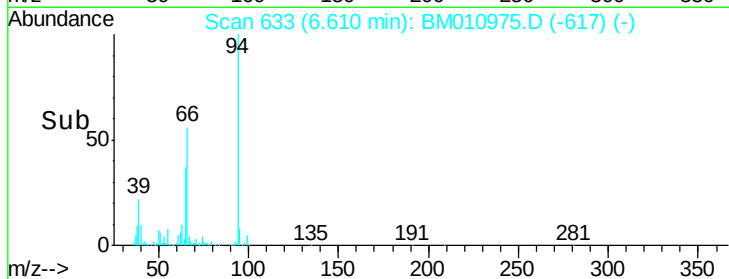
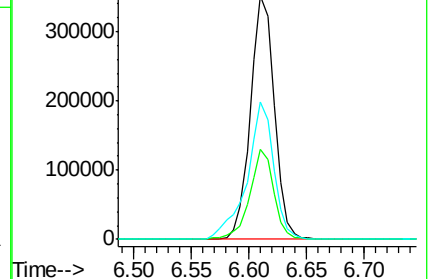
66 56.3 39.9 79.9



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) (-)



#17

2-Methylphenol

Concen: 25.925 ng

RT: 7.84 min Scan# 842

Delta R.T. -0.01 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Tgt Ion: 107 Resp: 401057

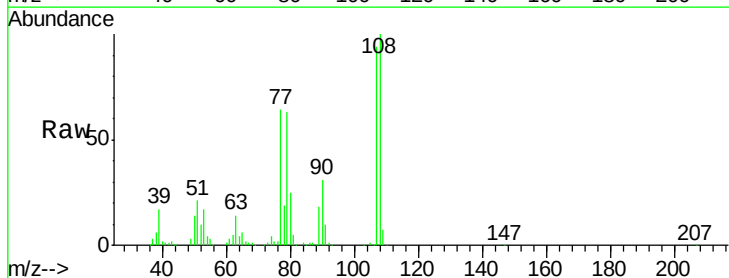
Ion Ratio Lower Upper

107 100

108 106.8 89.8 134.8

77 68.8 32.6 48.8#

79 67.4 32.8 49.2#

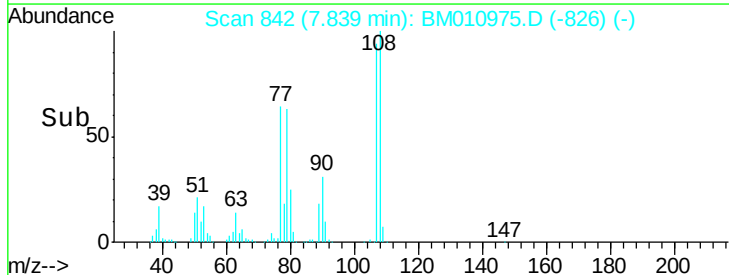
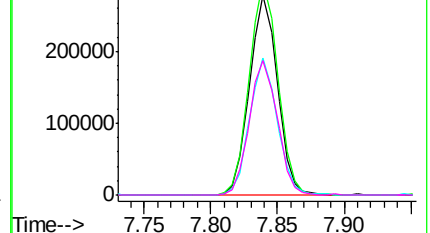


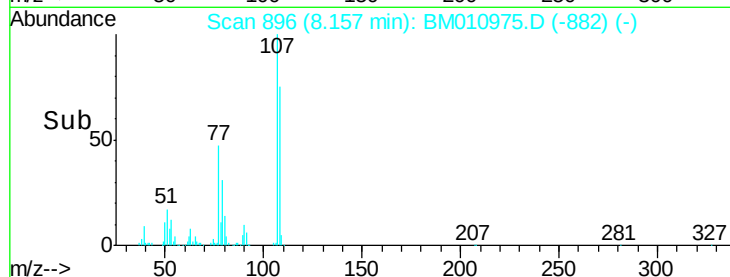
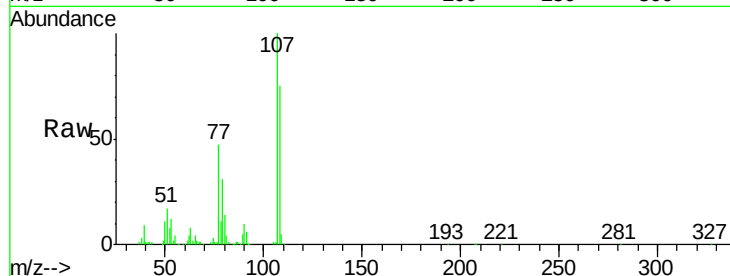
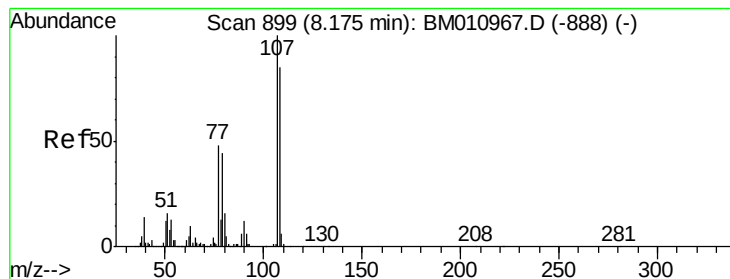
Abundance Ion 107.00 (106.70 to 107.70): BM010967.D (-835) (-)

Ion 108.00 (107.70 to 108.70): BM010967.D (-835) (-)

Ion 77.00 (76.70 to 77.70): BM010967.D (-835) (-)

Ion 79.00 (78.70 to 79.70): BM010967.D (-835) (-)





#20

3+4-Methylphenols

Concen: 27.484 ng

RT: 8.16 min Scan# 896

Delta R.T. -0.02 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Instrument :

BNA_M

ClientSampleId :

0535DL

Tgt Ion:107 Resp: 591018

Ion Ratio Lower Upper

107 100

108 74.8 73.2 113.2

77 46.7 10.7 50.7

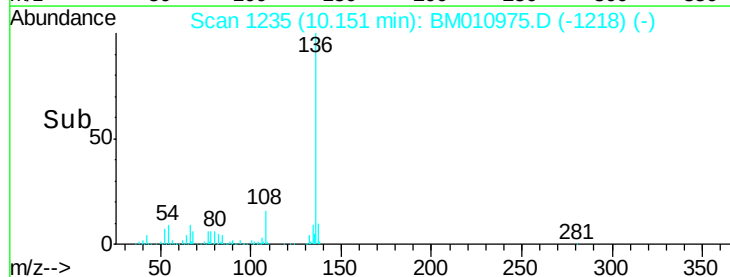
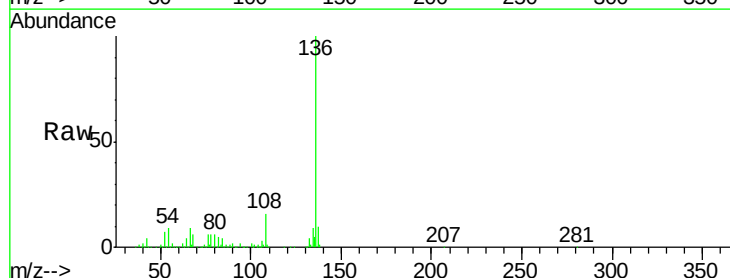
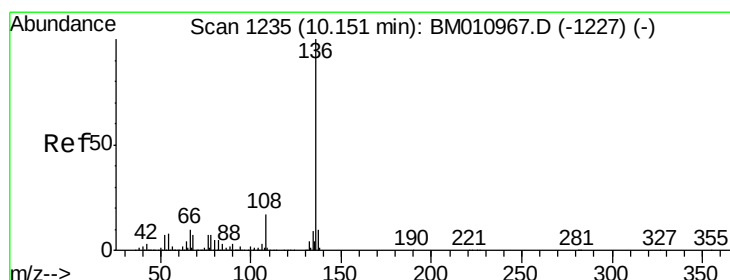
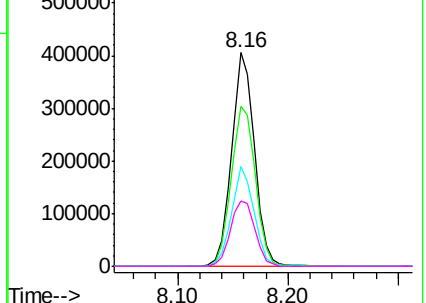
79 30.8 9.6 49.6

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: 10.15 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Tgt Ion:136 Resp: 1042898

Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 8.6 4.6 6.8#

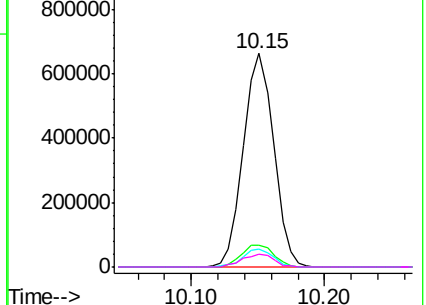
68 6.2 3.7 5.5#

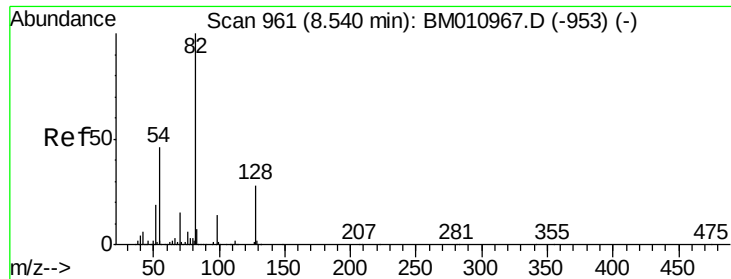
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

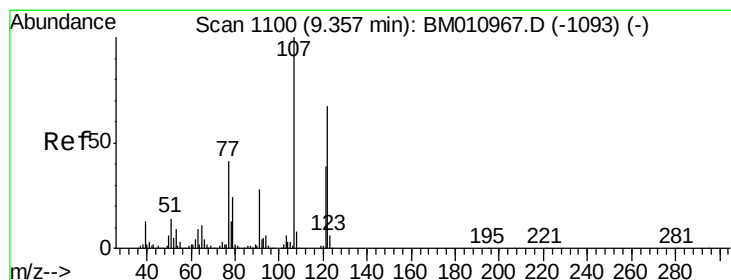
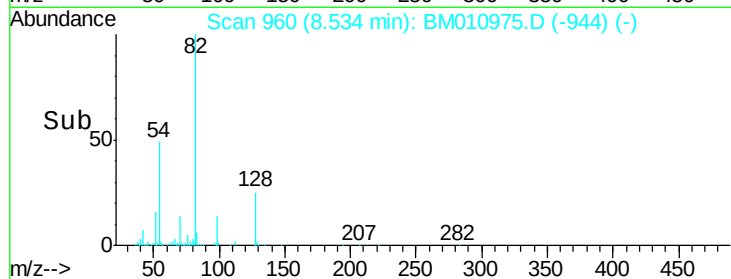
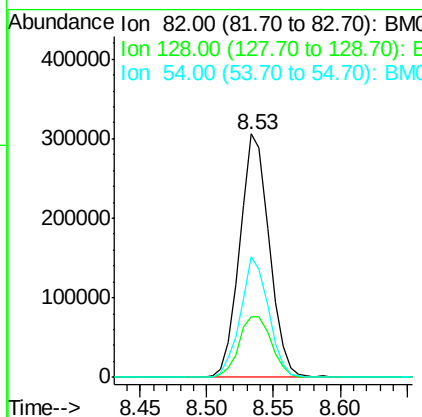
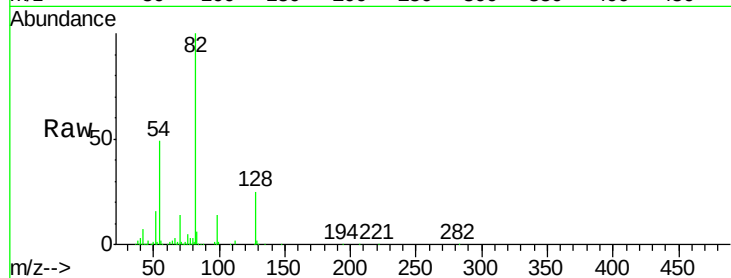




#23
 Nitrobenzene-d5
 Concen: 16.845 ng
 RT: 8.53 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

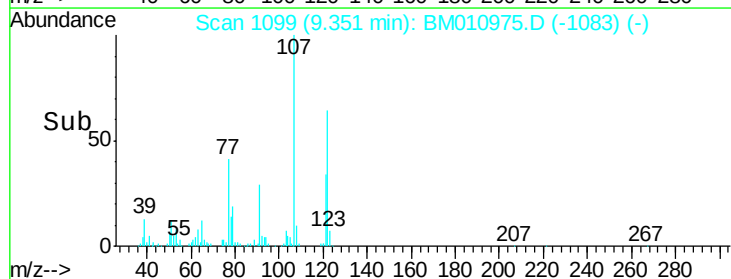
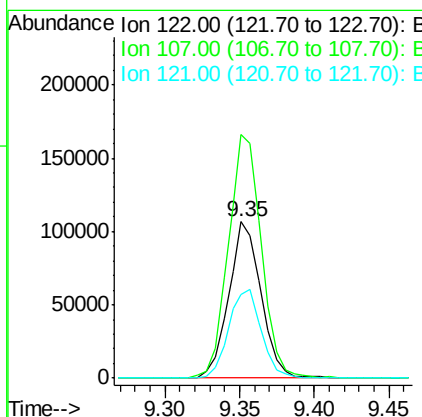
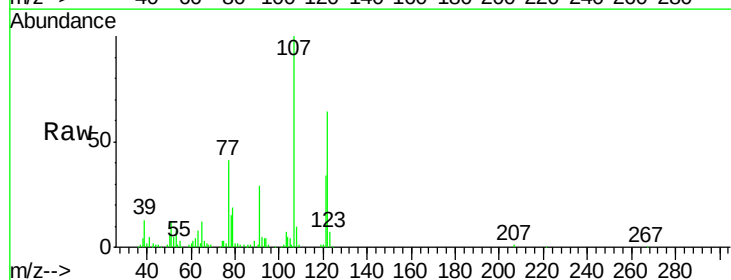
Instrument :
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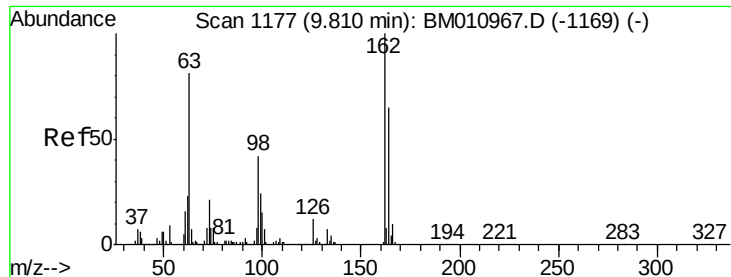
Tgt Ion	Ratio	Lower	Upper
82	100		
128	25.0	32.8	49.2#
54	49.4	40.6	60.8



#27
 2,4-Dimethylphenol
 Concen: 10.020 ng
 RT: 9.35 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Lower	Upper
122	100		
107	155.8	84.7	127.1#
121	53.5	46.6	69.8

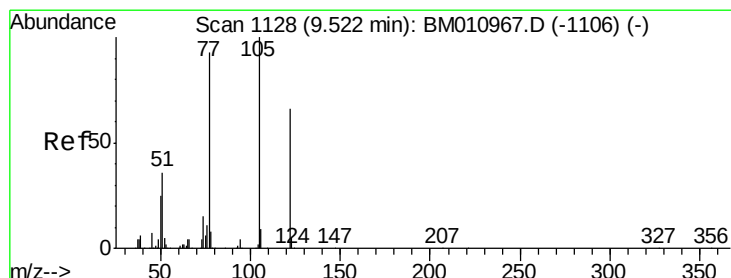
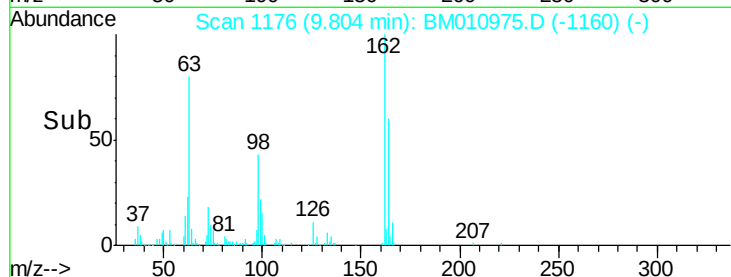
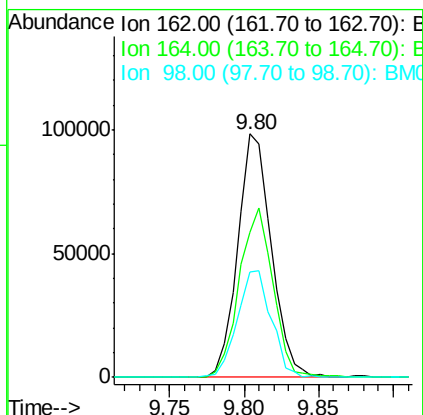
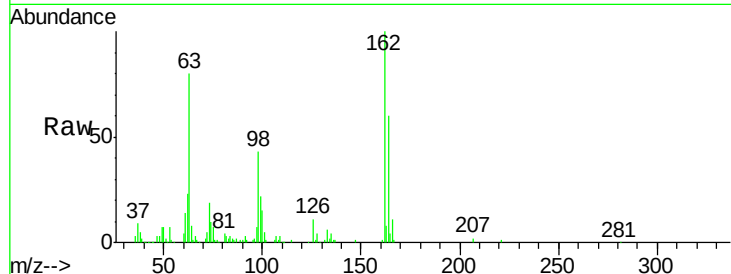




#29
2,4-Dichlorophenol
Concen: 8.517 ng
RT: 9.80 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

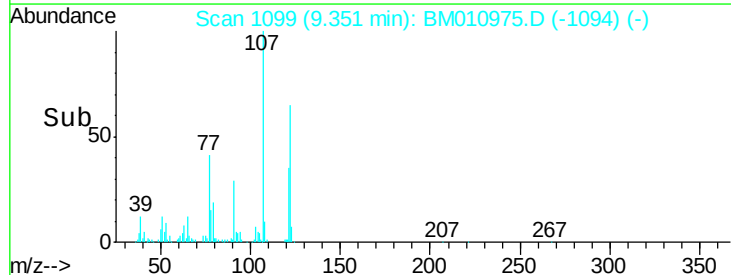
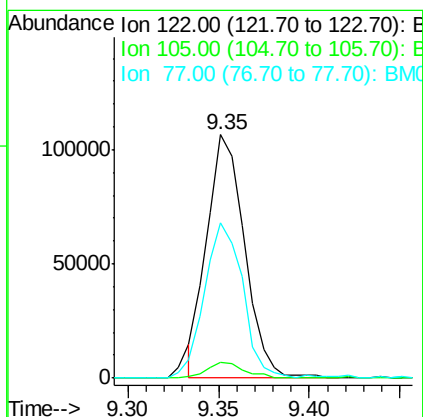
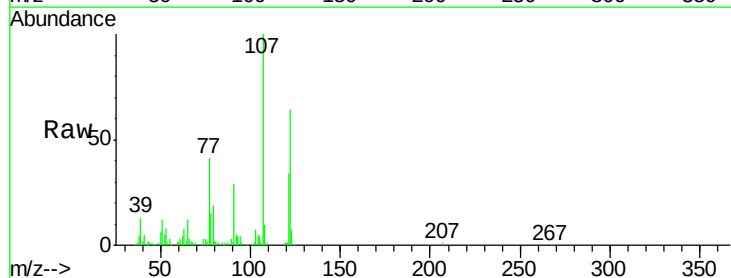
Instrument :
BNA_M
ClientSampleId :
0535DL

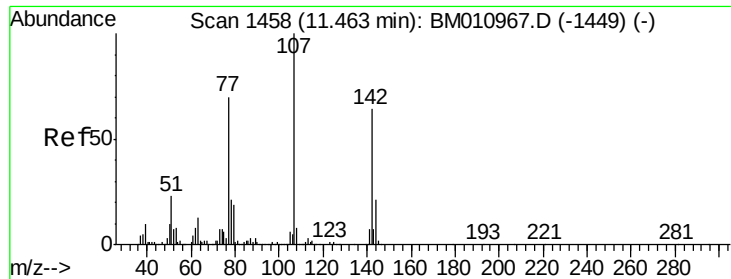
Tgt Ion	Ratio	Lower	Upper
162	100		
164	59.5	42.8	82.8
98	43.3	14.5	54.5



#32
Benzoic acid
Concen: 11.950 ng
RT: 9.35 min Scan# 1099
Delta R.T. -0.17 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	6.3	99.9	139.9#
77	63.9	73.7	113.7#

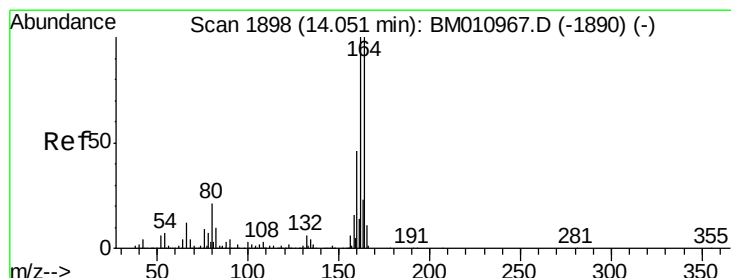
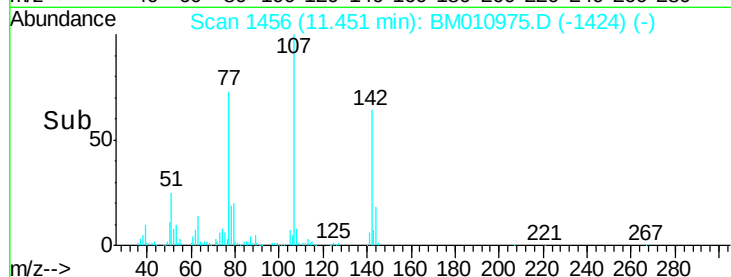
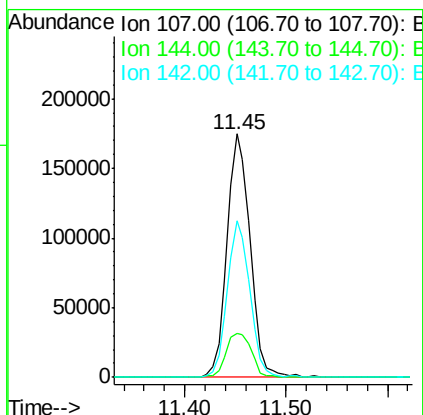
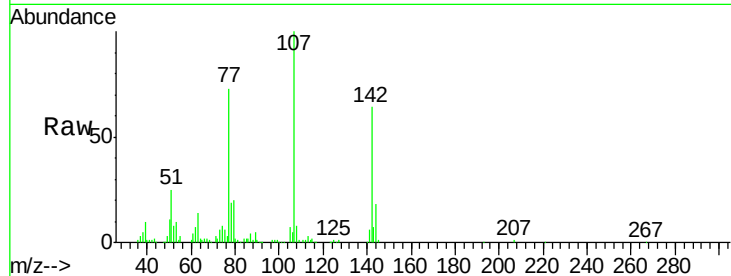




#36
4-Chloro-3-methylphenol
Concen: 11.826 ng
RT: 11.45 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

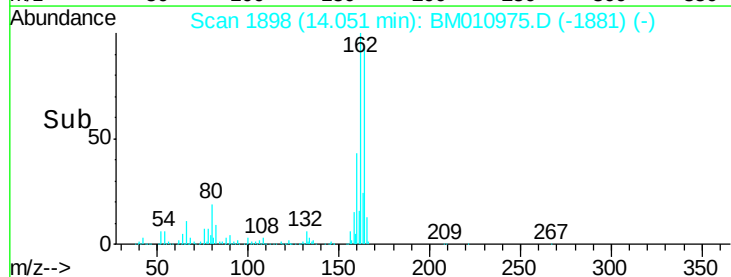
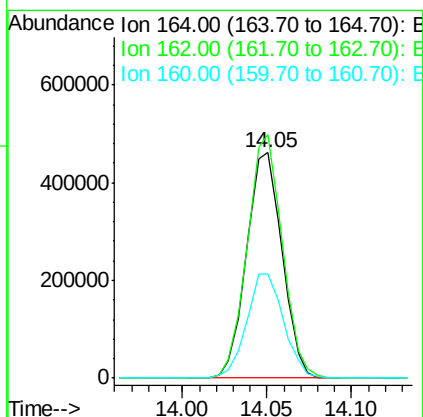
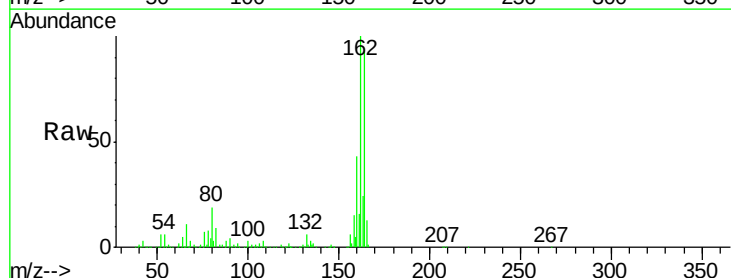
Instrument :
BNA_M
ClientSampleId :
0535DL

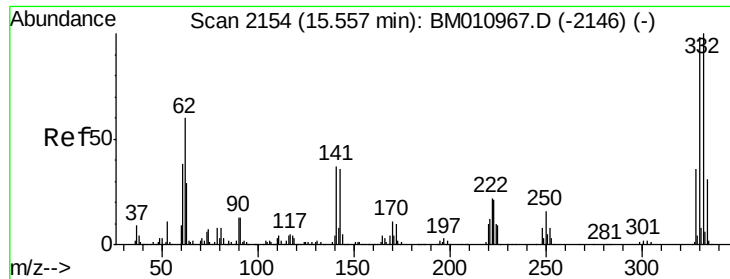
Tgt Ion:107 Resp: 276744
Ion Ratio Lower Upper
107 100
144 18.1 23.3 34.9#
142 64.3 72.6 109.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.00 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Tgt Ion:164 Resp: 679986
Ion Ratio Lower Upper
164 100
162 108.0 82.4 123.6
160 45.9 35.8 53.6

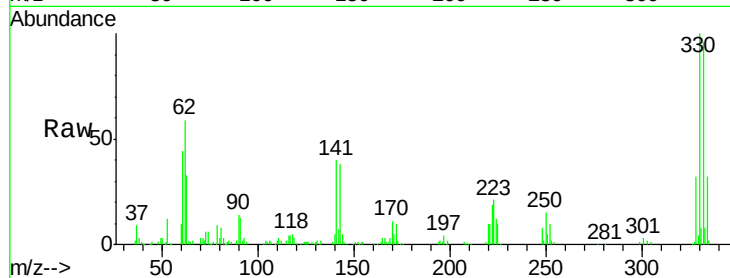




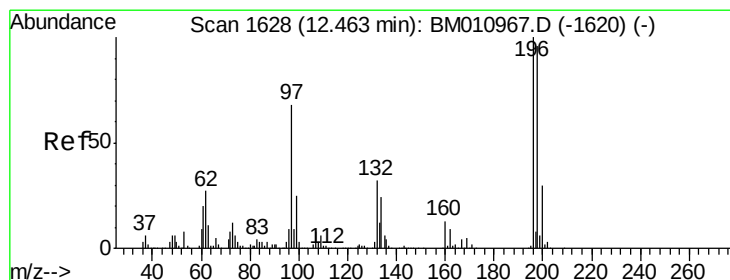
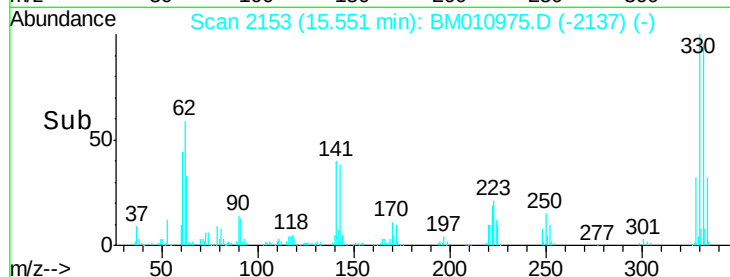
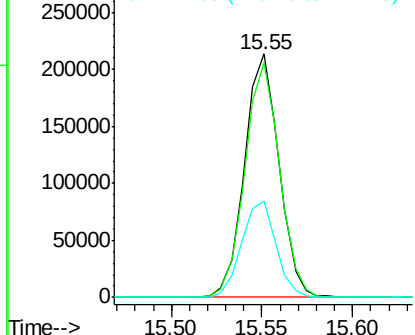
#41
 2,4,6-Tribromophenol
 Concen: 25.930 ng
 RT: 15.55 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Instrument :
 BNA_M
 ClientSampleId :
 0535DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	282600		
332	97.1	0.0	0.0	0.0
141	39.8	0.0	0.0	0.0

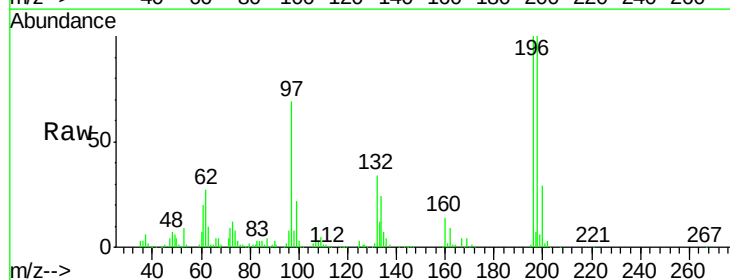


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

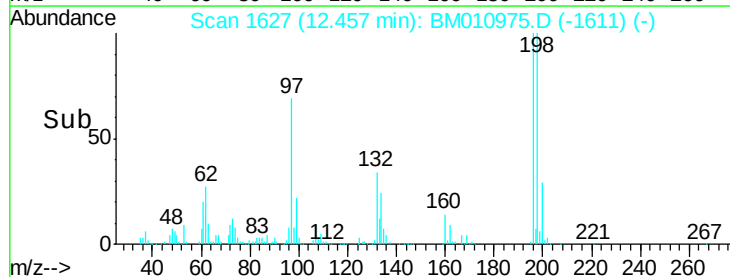
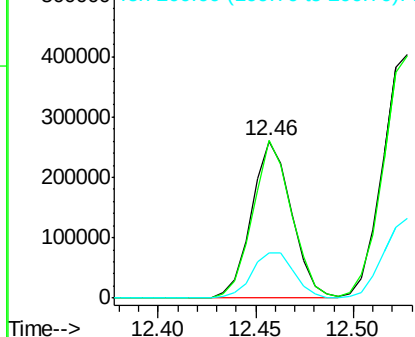


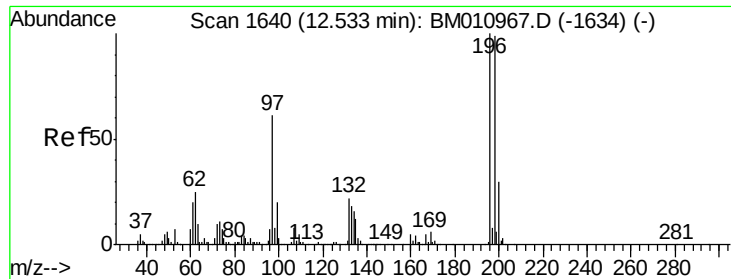
#42
 2,4,6-Trichlorophenol
 Concen: 20.893 ng
 RT: 12.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	369449		
198	100.4	76.3	114.5	
200	29.0	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

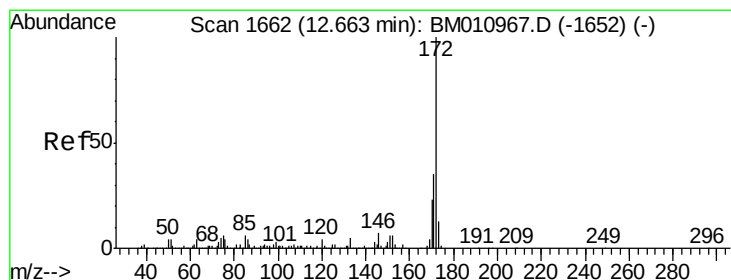
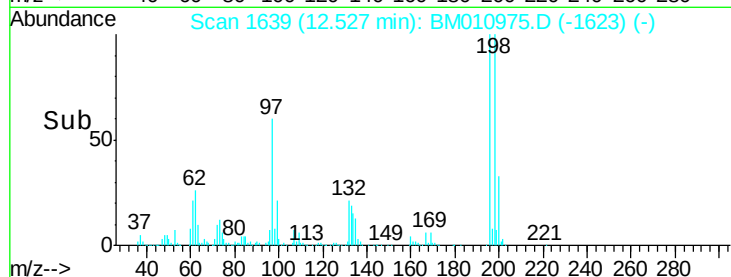
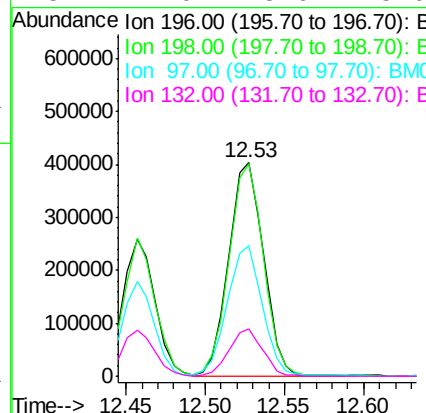
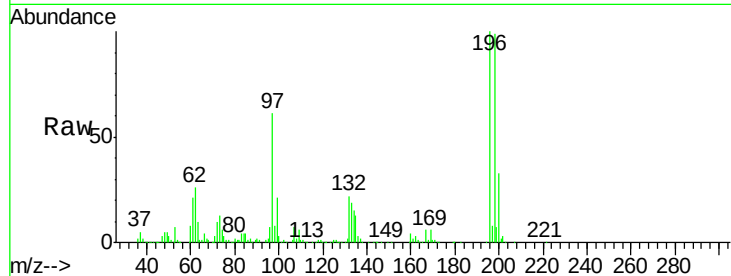




#43
 2,4,5-Trichlorophenol
 Concen: 33.671 ng
 RT: 12.53 min Scan# 1639
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

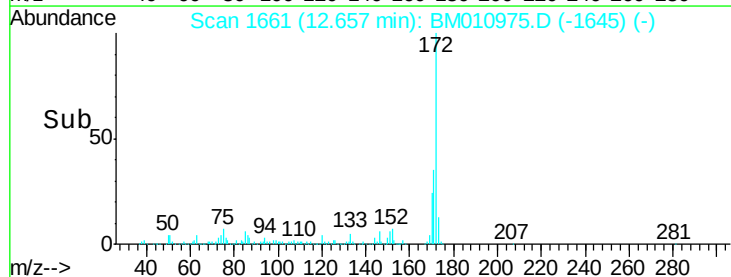
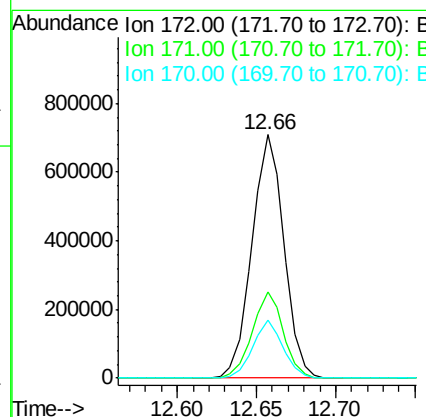
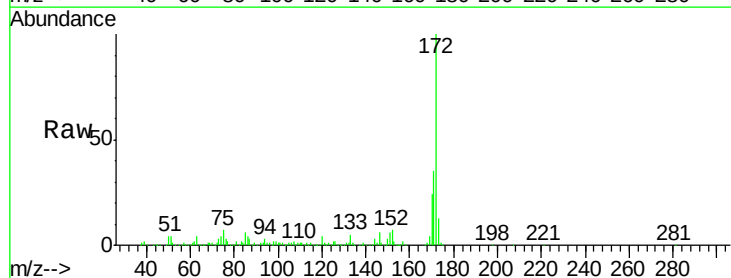
Instrument :
 BNA_M
 ClientSampleId :
 0535DL

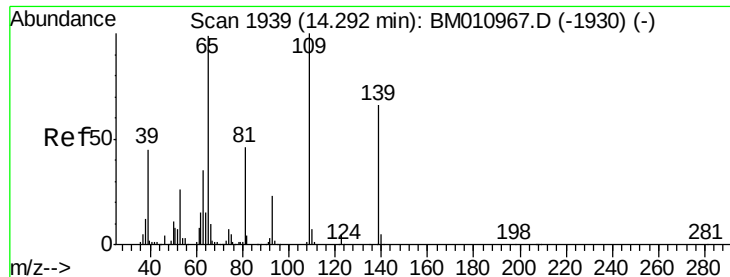
Tgt Ion:	196	Resp:	613209
Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.4	119.0
97	60.9	26.8	40.2#
132	22.0	18.6	28.0



#44
 2-Fluorobiphenyl
 Concen: 18.375 ng
 RT: 12.66 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Tgt Ion:	172	Resp:	996305
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.7	18.8	28.2

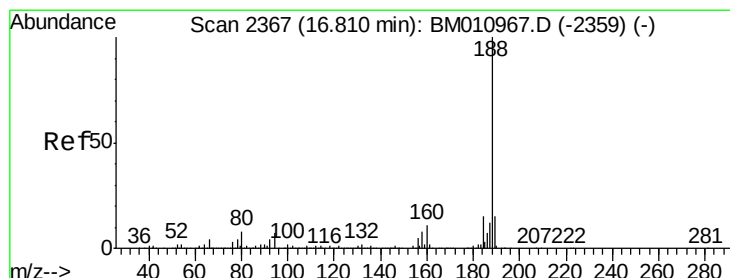
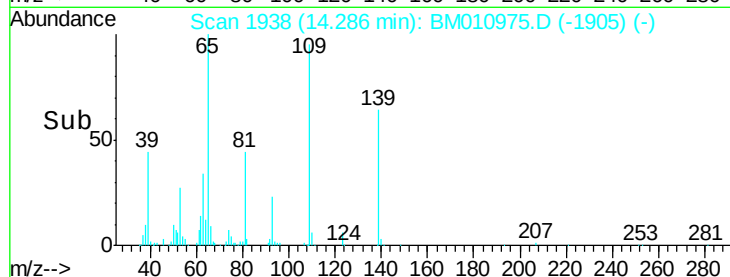
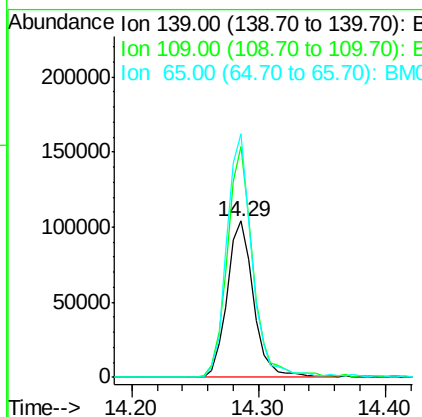
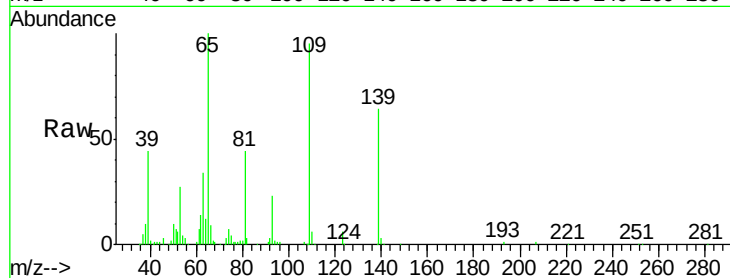




#55
4-Nitrophenol
Concen: 16.784 ng
RT: 14.29 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

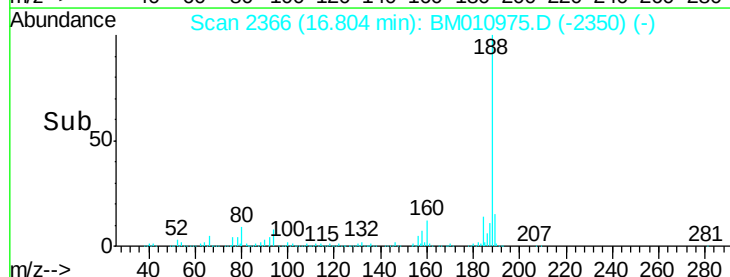
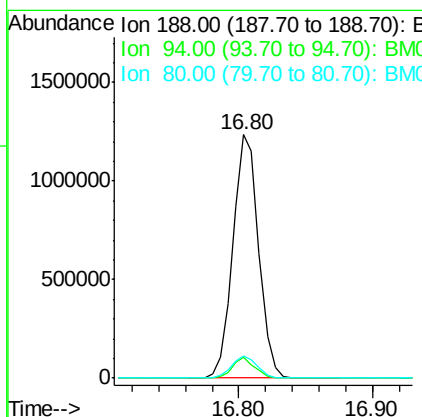
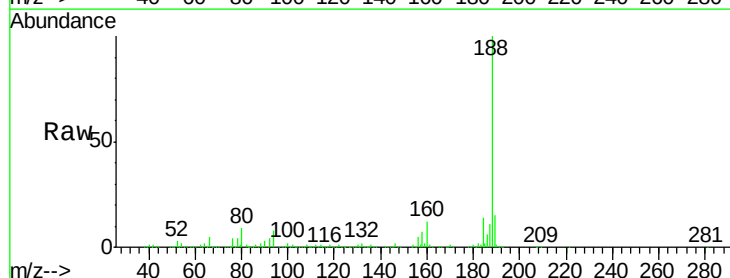
Instrument :
BNA_M
ClientSampleId :
0535DL

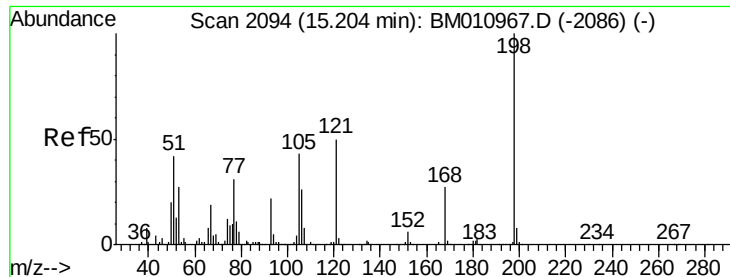
Tgt Ion:139 Resp: 150526
Ion Ratio Lower Upper
139 100
109 147.4 130.0 170.0
65 155.6 130.0 170.0



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Tgt Ion:188 Resp: 1654503
Ion Ratio Lower Upper
188 100
94 8.4 8.7 13.1#
80 9.4 9.3 13.9

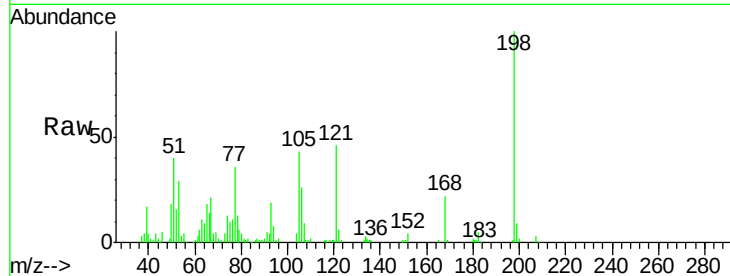




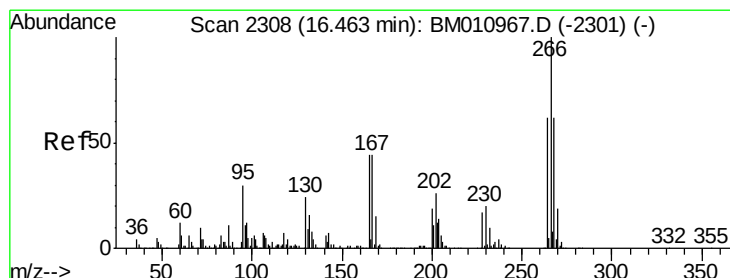
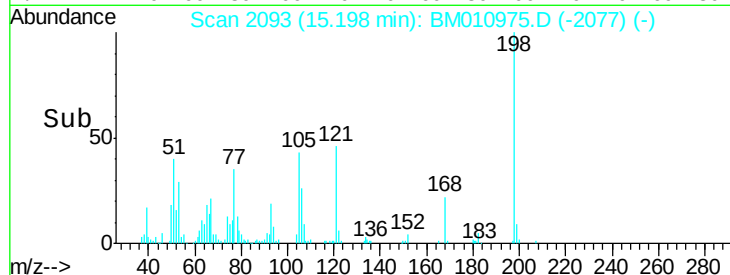
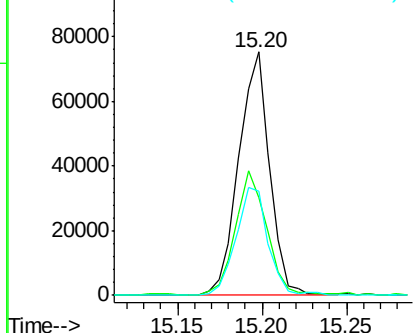
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.562 ng
 RT: 15.20 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Instrument :
 BNA_M
 ClientSampleId :
 0535DL

Tgt Ion:198 Resp: 95898
 Ion Ratio Lower Upper
 198 100
 51 40.3 28.8 68.8
 105 42.6 30.5 70.5

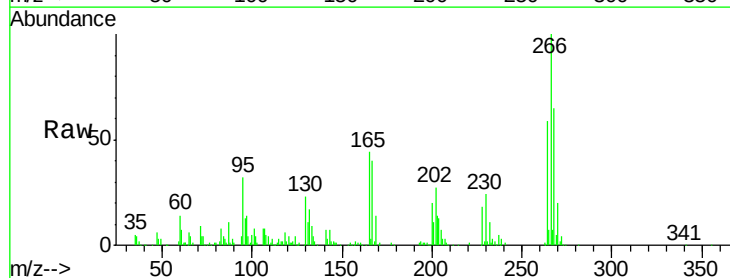


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): B
 Ion 105.00 (104.70 to 105.70): E

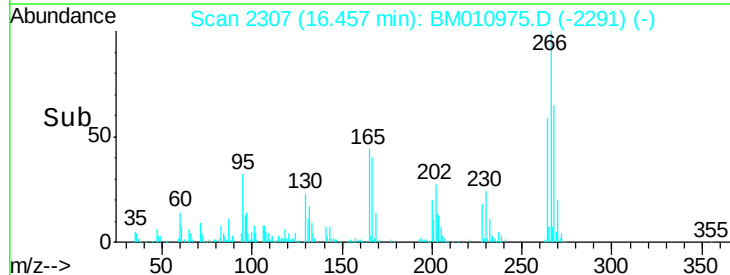
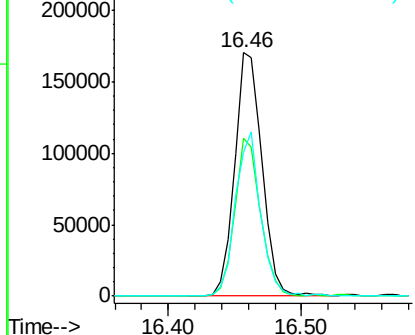


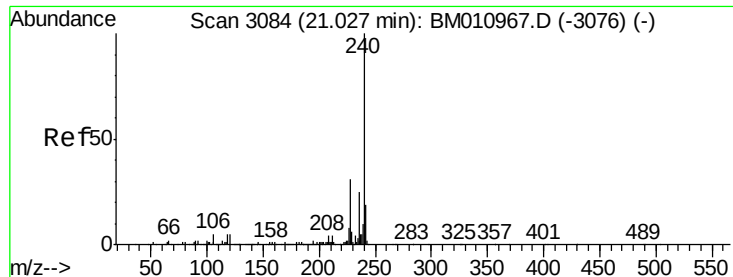
#69
 Pentachlorophenol
 Concen: 15.873 ng
 RT: 16.46 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Tgt Ion:266 Resp: 242195
 Ion Ratio Lower Upper
 266 100
 268 64.9 52.0 78.0
 264 59.3 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: 21.03 min Scan# 3084

Delta R.T. -0.00 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

Instrument :

BNA_M

ClientSampleId :

0535DL

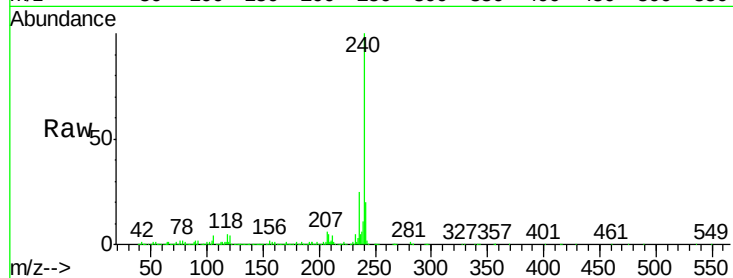
Tgt Ion:240 Resp: 1660080

Ion Ratio Lower Upper

240 100

120 4.3 8.2 12.2#

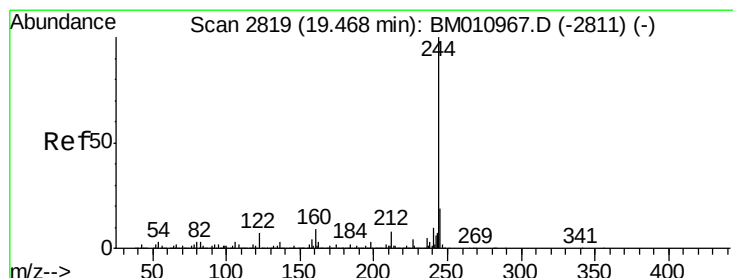
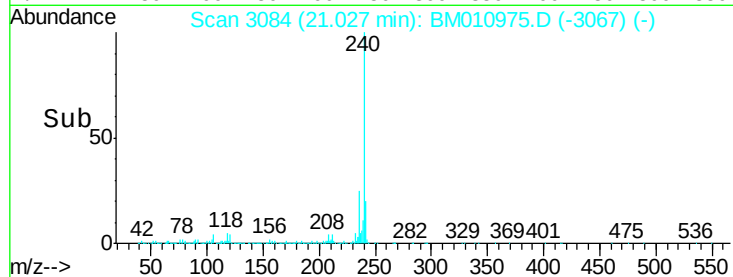
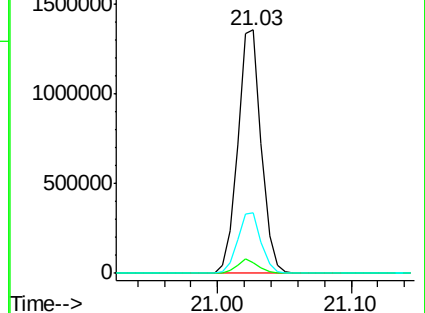
236 24.8 20.0 30.0



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: 16.921 ng

RT: 19.47 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

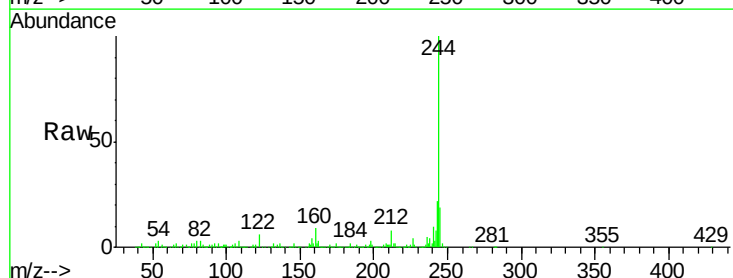
Tgt Ion:244 Resp: 1418114

Ion Ratio Lower Upper

244 100

212 8.2 4.9 7.3#

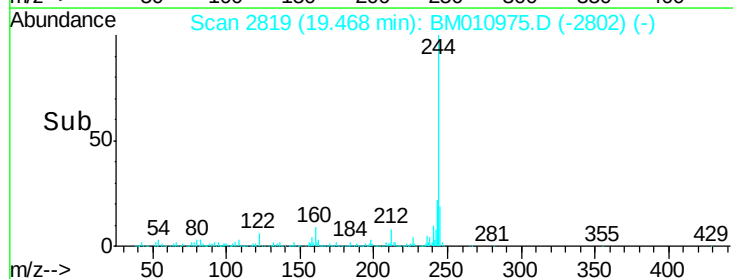
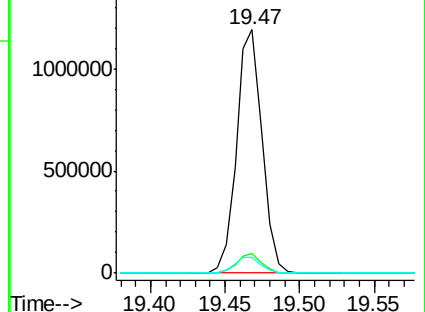
122 6.3 6.2 9.4

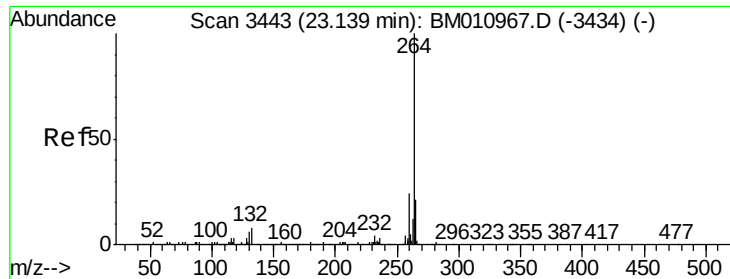


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.14 min Scan# 3443
Delta R.T. -0.00 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Instrument :
BNA_M
ClientSampleId :
0535DL

Tgt Ion:264 Resp: 1313130

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	22.1	17.3	25.9

