

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 18:30:04 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

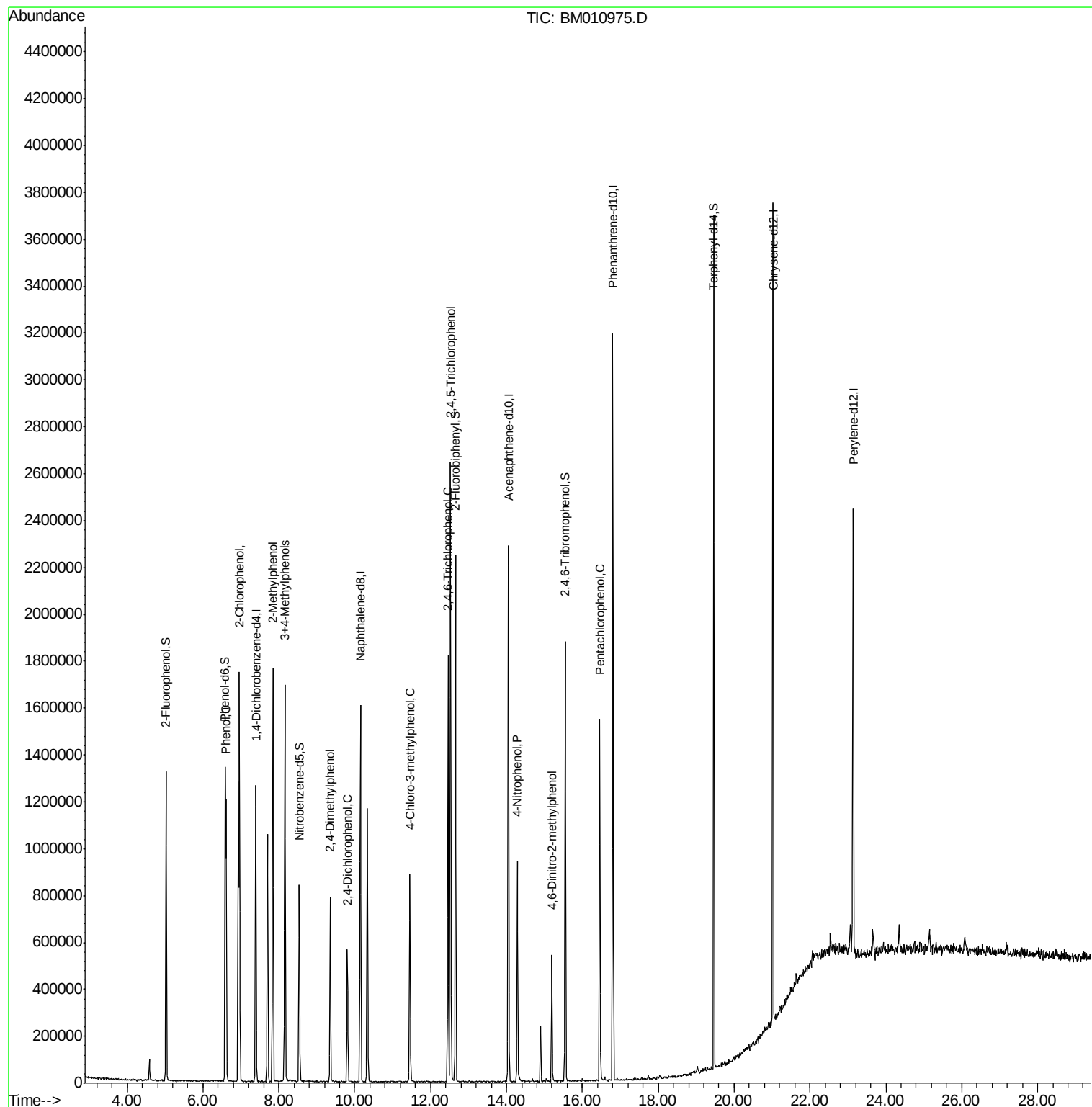
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	6.96	128	531542	33.380	ng	# 81
10) Phenol	6.61	94	506877	20.941	ng	96
17) 2-Methylphenol	7.84	107	401057	25.925	ng	# 79
20) 3+4-Methylphenols	8.16	107	591018	27.484	ng	82
27) 2,4-Dimethylphenol	9.35	122	161615	10.020	ng	# 67
29) 2,4-Dichlorophenol	9.80	162	154354	8.517	ng	92
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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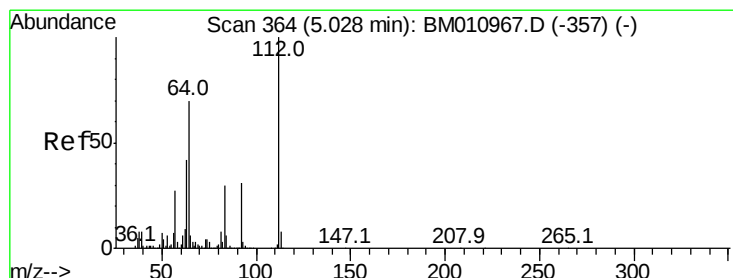
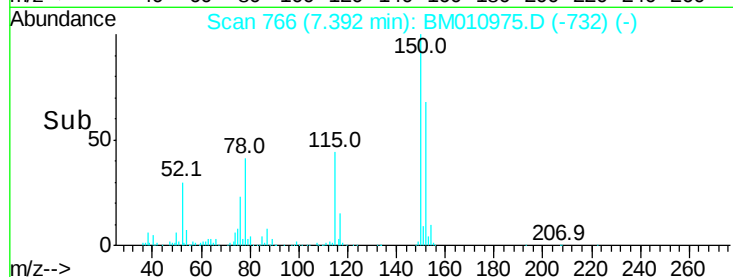
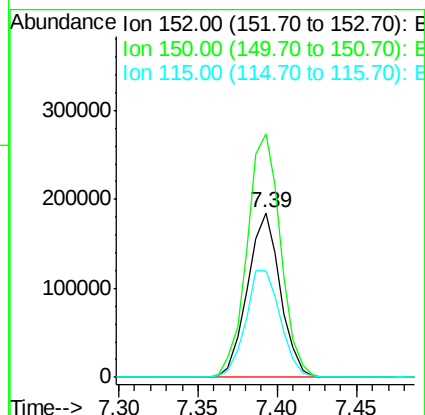
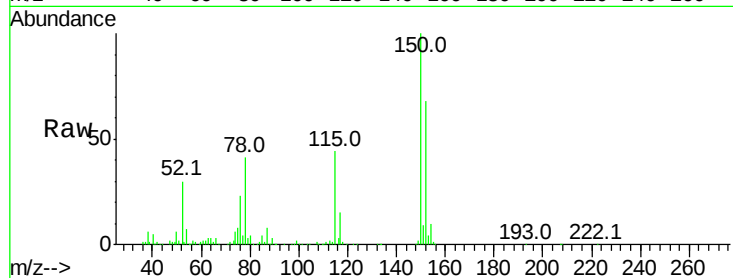


#1

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

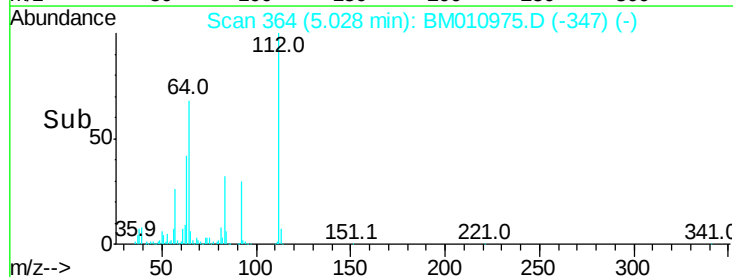
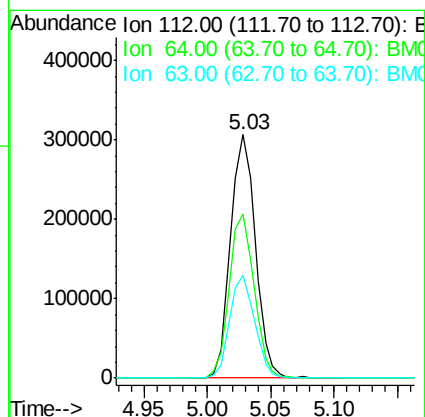
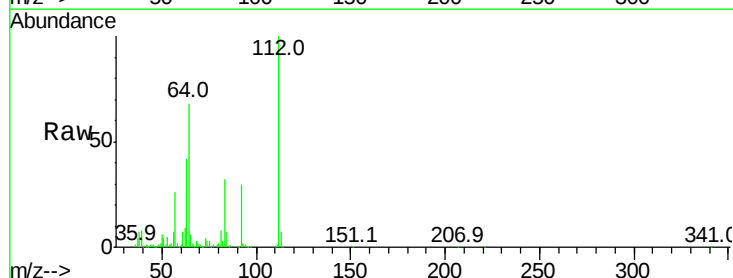
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	119.5	179.3
115	64.9	43.0	64.4#

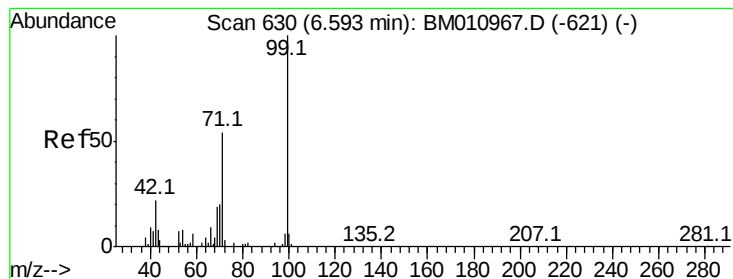


#5

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#





#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

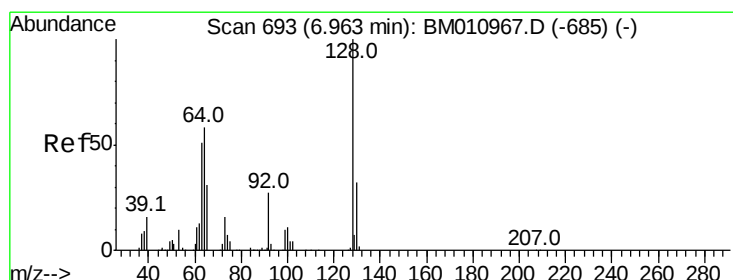
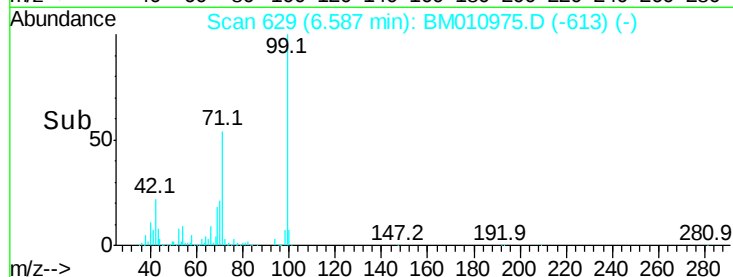
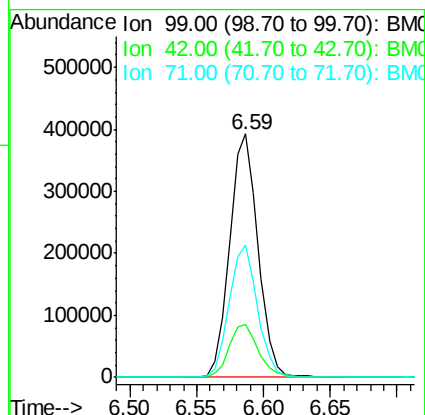
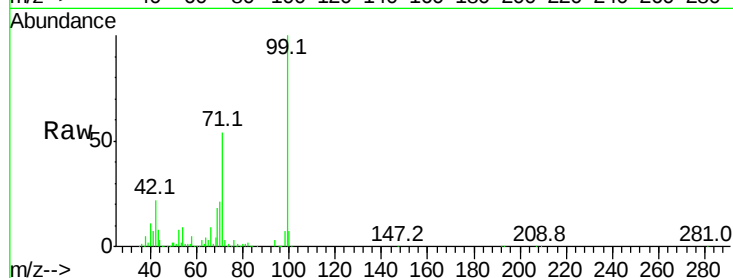
Tot Ion: 99 Resp: 582451

Ion Ratio Lower Upper

99 100

42 21.9 11.0 16.4#

71 54.3 23.4 35.2#



#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

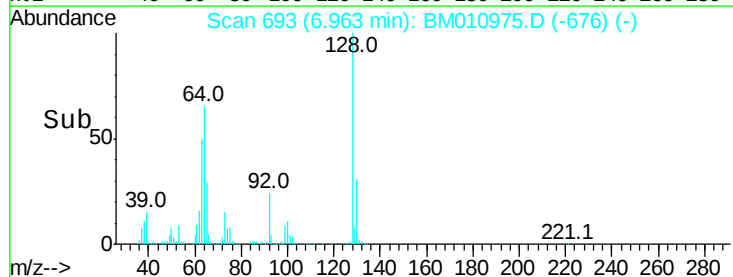
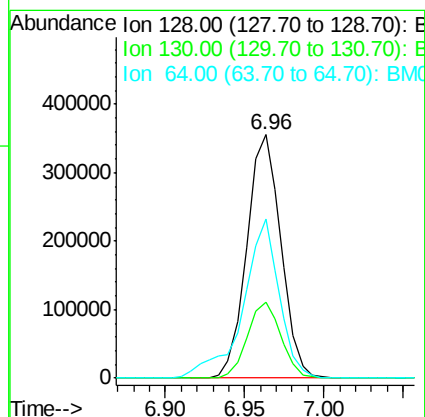
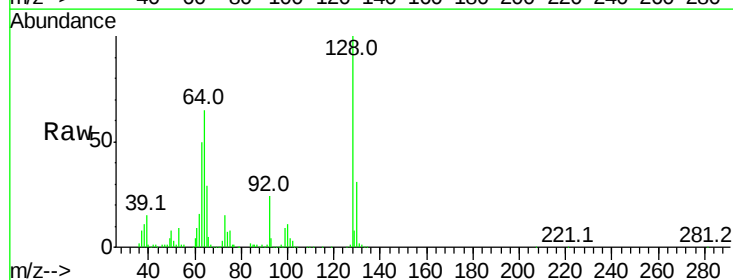
Tgt Ion: 128 Resp: 531542

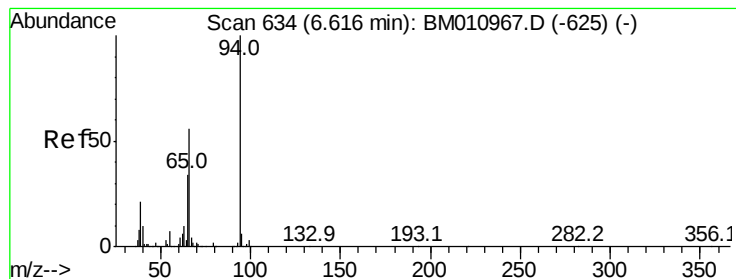
Ion Ratio Lower Upper

128 100

130 31.4 12.0 52.0

64 65.4 24.9 64.9#





#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

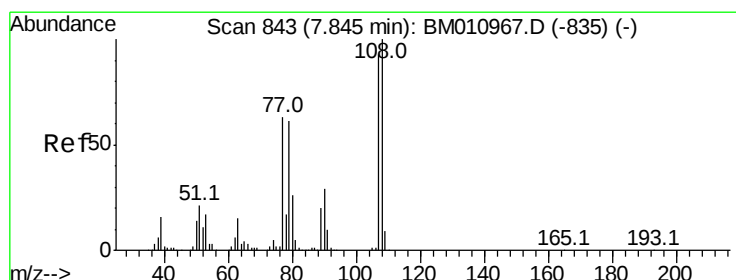
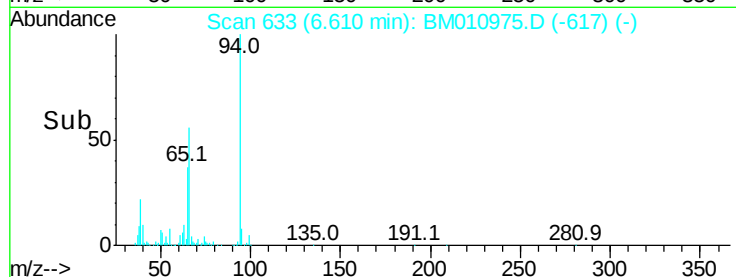
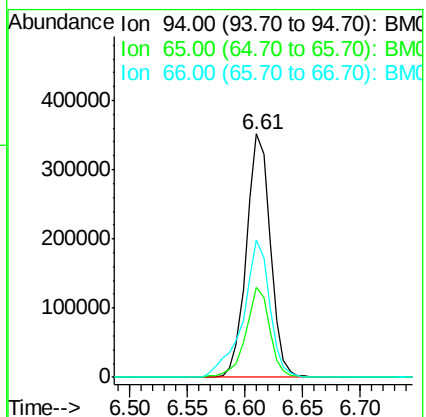
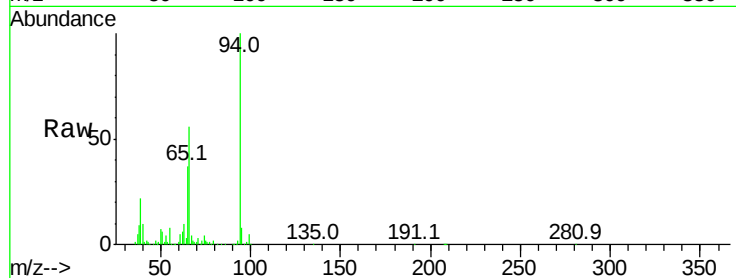
Tot Ion: 94 Resp: 506877

Ion Ratio Lower Upper

94 100

65 36.8 18.8 58.8

66 56.3 39.9 79.9



#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

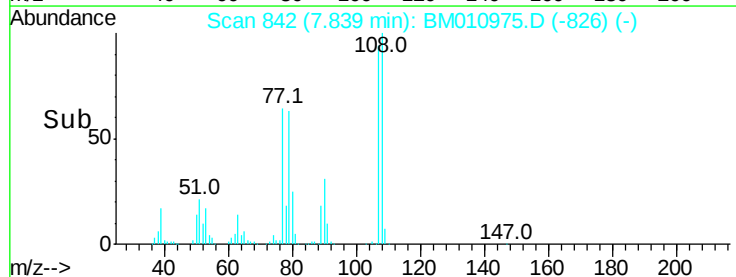
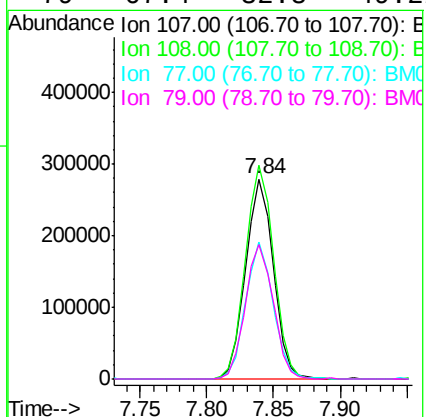
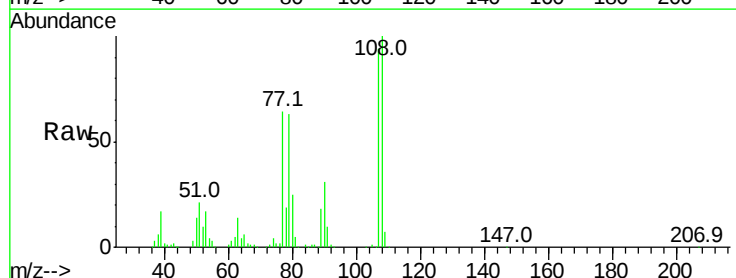
Ion Ratio Lower Upper

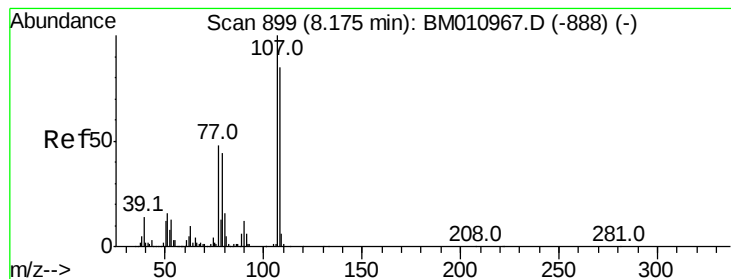
107 100

108 106.8 89.8 134.8

77 68.8 32.6 48.8#

79 67.4 32.8 49.2#





#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

Tot Ion:107 Resp: 591018

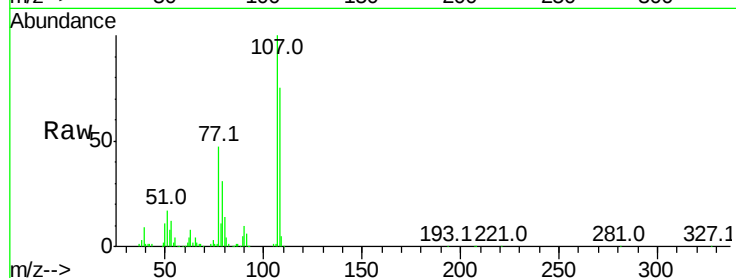
Ion Ratio Lower Upper

107 100

108 74.8 73.2 113.2

77 46.7 10.7 50.7

79 30.8 9.6 49.6

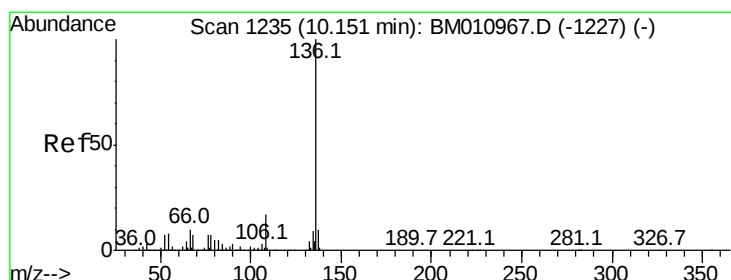
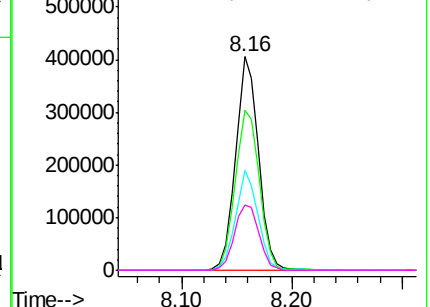
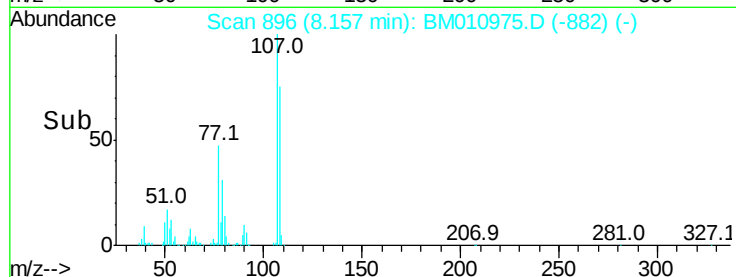


Abundance Ion 107.00 (106.70 to 107.70): E

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

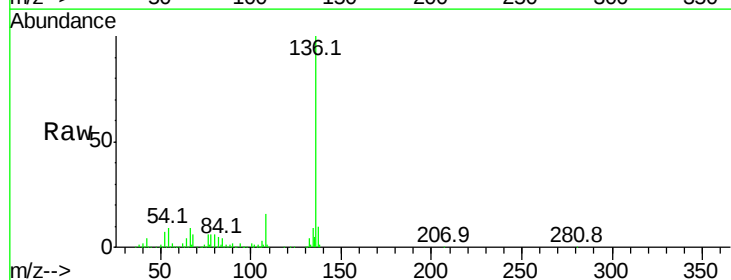
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 8.6 4.6 6.8#

68 6.2 3.7 5.5#

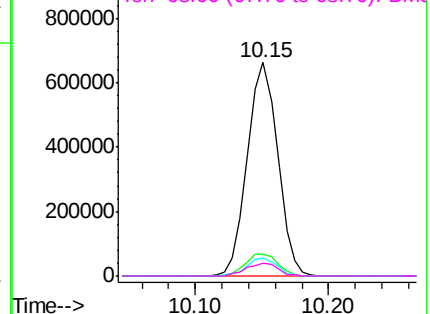
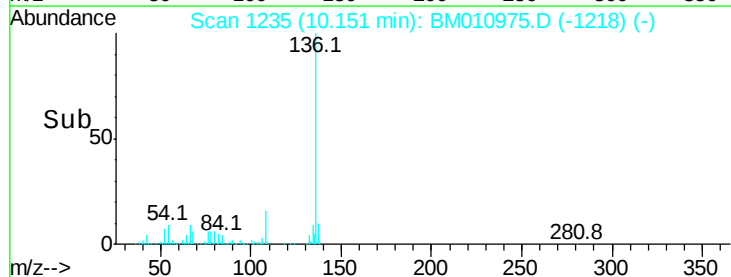


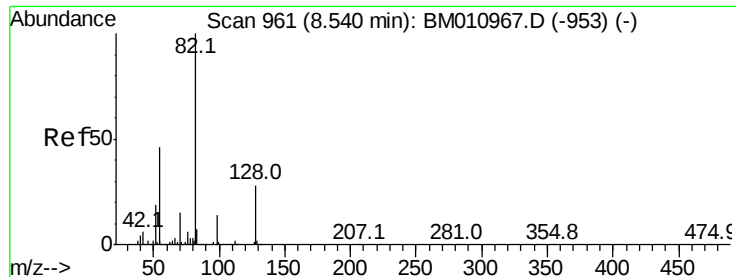
Abundance Ion 136.00 (135.70 to 136.70): E

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

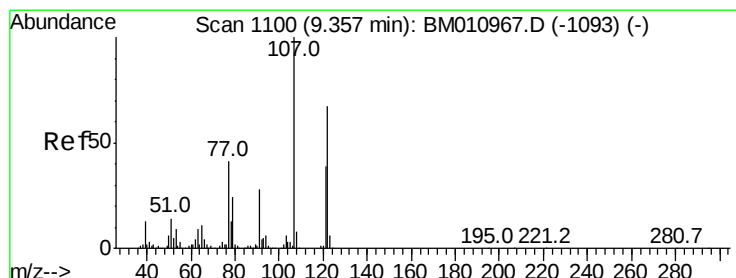
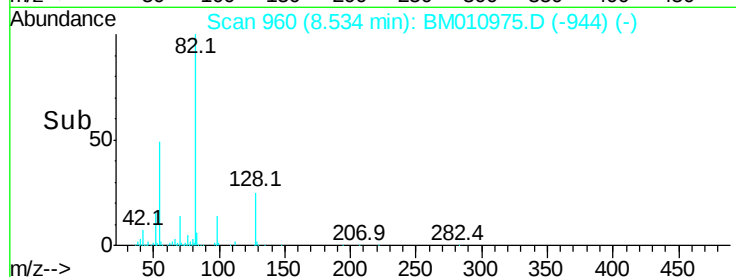
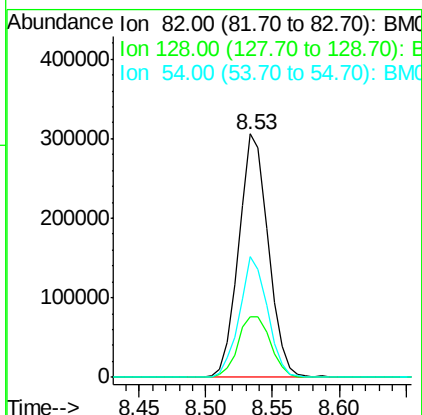
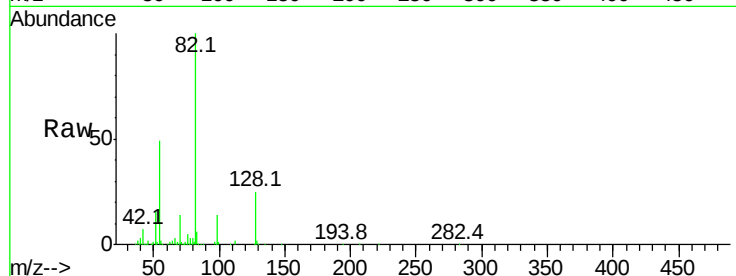




#23
 Nitrobenzene-d5
 Concen: 16.845 ng
 RT: 8.53 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

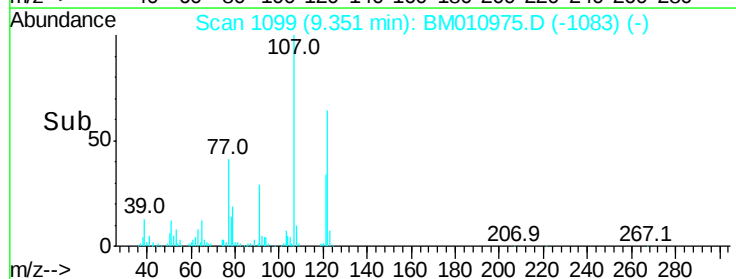
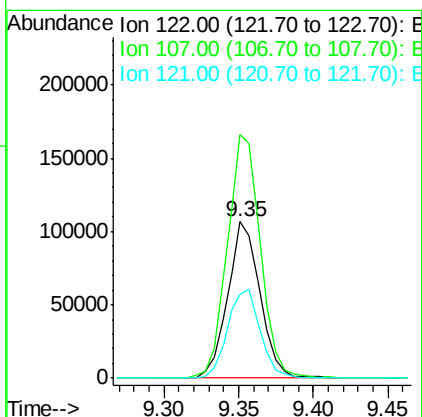
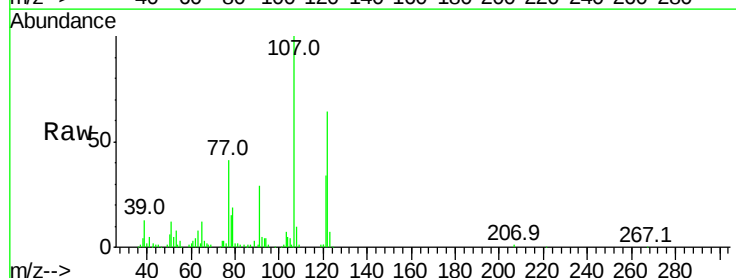
Instrument :
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 0535DL

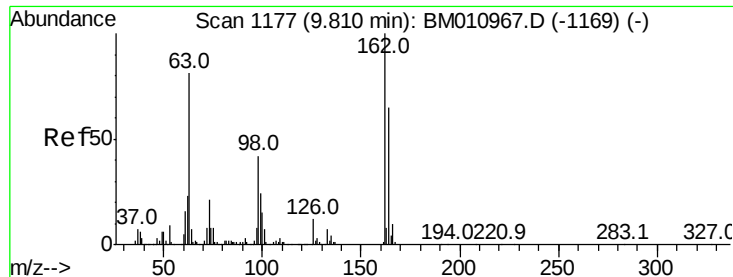
Tot Ion	82	Resp	468070
Ion Ratio	100	Lower	Upper
128	25.0	32.8	49.2#
54	49.4	40.6	60.8



#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	122	Resp	161615
Ion Ratio	100	Lower	Upper
107	155.8	84.7	127.1#
121	53.5	46.6	69.8

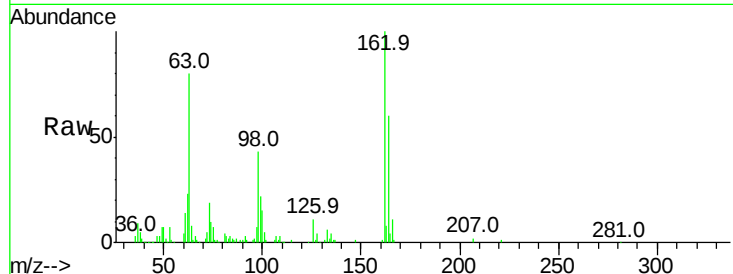




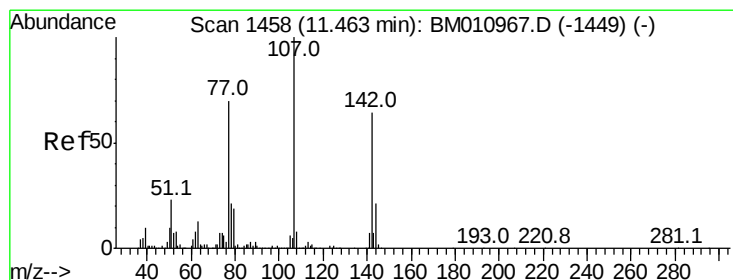
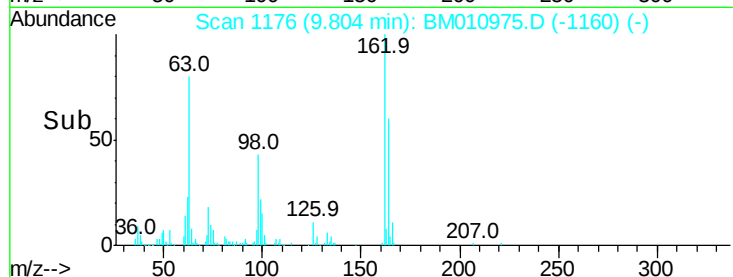
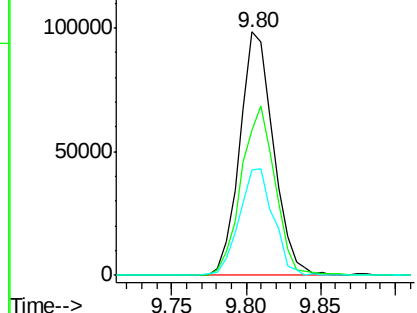
#29
2,4-Dichlorophenol
Concen: 8.517 ng
RT: 9.80 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Instrument :
BNA_M
ClientSampleID :
0535DL

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

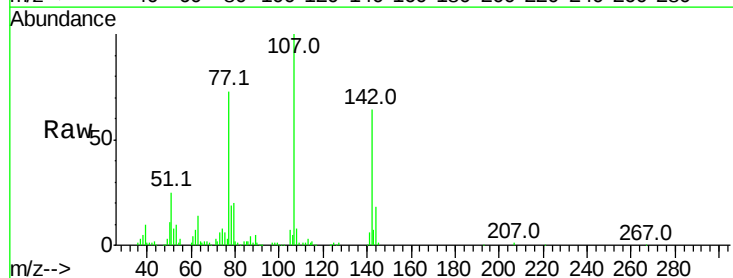


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

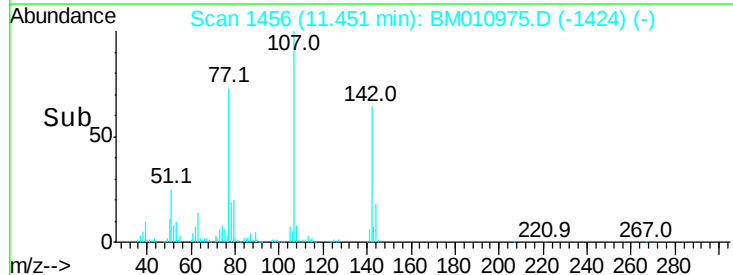
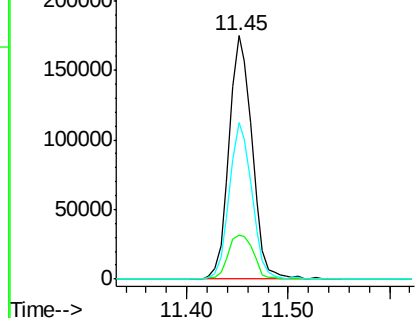


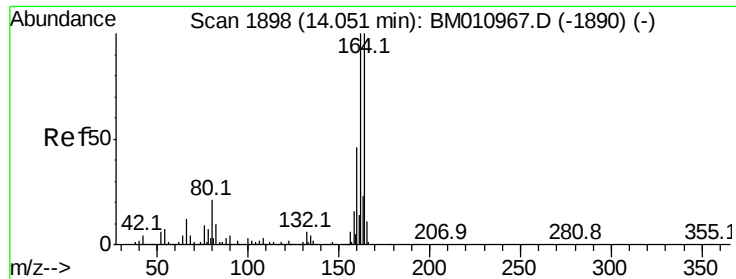
#36
4-Chloro-3-methylphenol
Concen: 11.826 ng
RT: 11.45 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Lower	Upper
107	100		
144	18.1	23.3	34.9#
142	64.3	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: BM010975.D

Acq: 26 Jul 2017 17:50

Instrument :

BNA_M

ClientSampleId :

0535DL

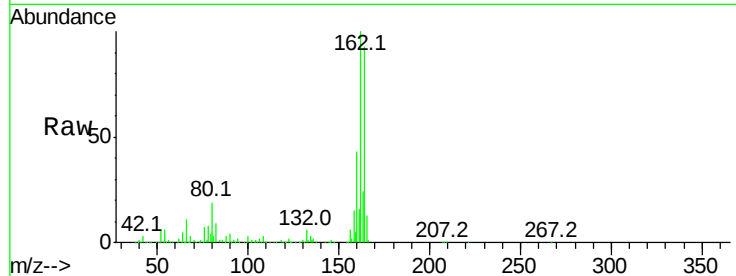
Tot Ion:164 Resp: 679986

Ion	Ratio	Lower	Upper
164	100		
162	108.0	82.4	123.6
160	45.9	35.8	53.6

164 100

162 108.0 82.4 123.6

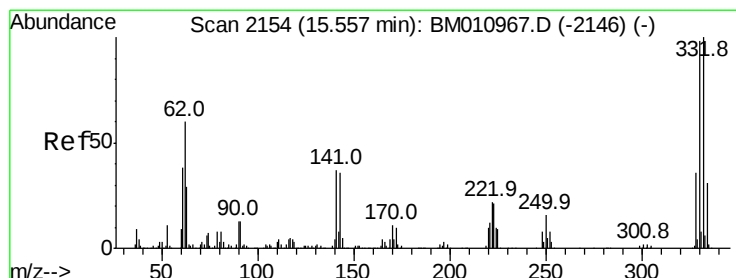
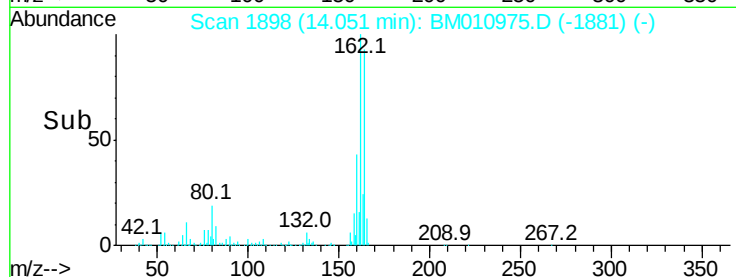
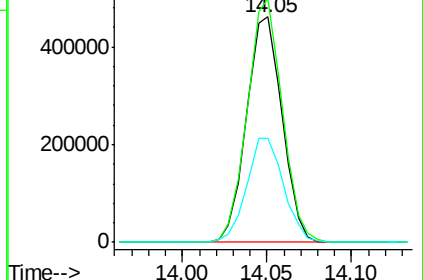
160 45.9 35.8 53.6



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: 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

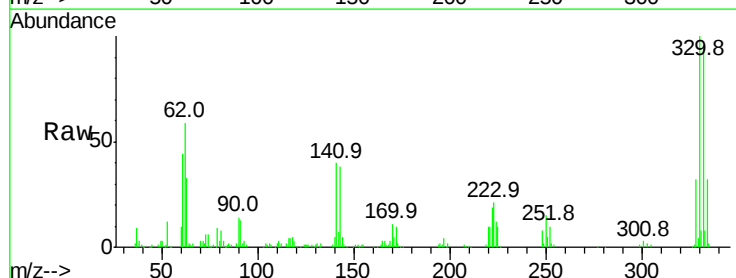
Tgt Ion:330 Resp: 282600

Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	39.8	0.0	0.0#

330 100

332 97.1 0.0 0.0#

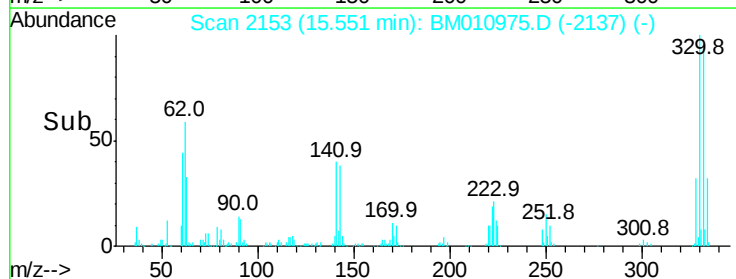
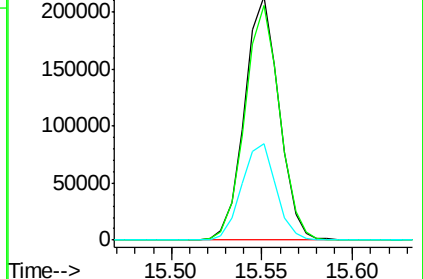
141 39.8 0.0 0.0#

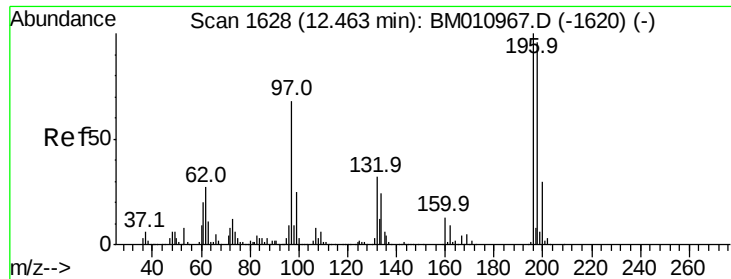


Abundance Ion 329.80 (329.50 to 330.50): E

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

Instrument :

BNA_M

ClientSampleId :

0535DL

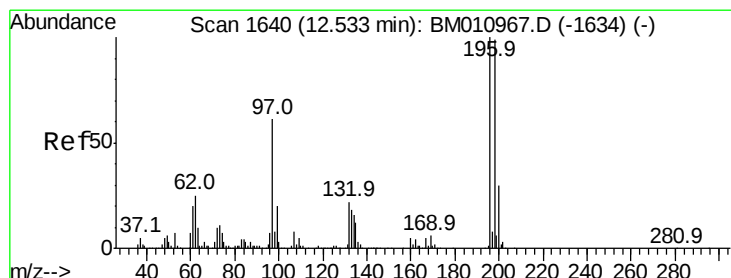
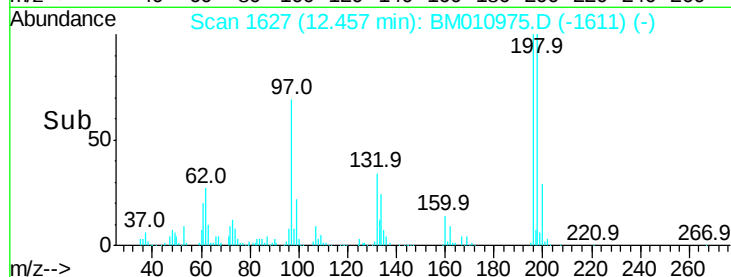
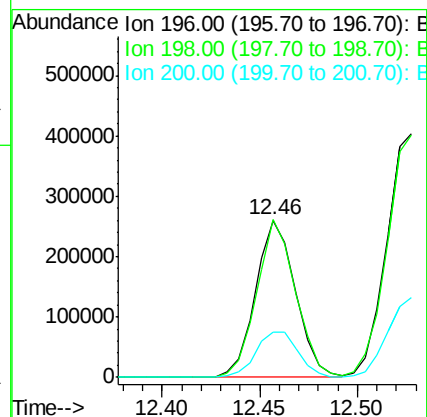
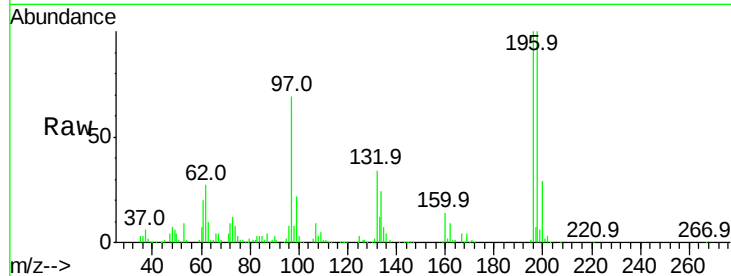
Tot Ion:196 Resp: 369449

Ion Ratio Lower Upper

196 100

198 100.4 76.3 114.5

200 29.0 25.6 38.4



#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

Tgt Ion:196 Resp: 613209

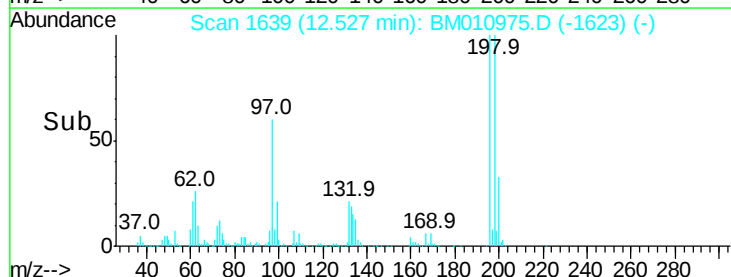
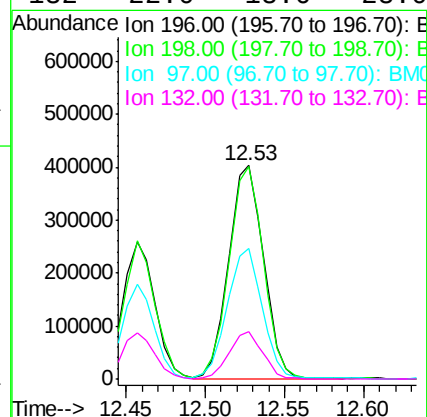
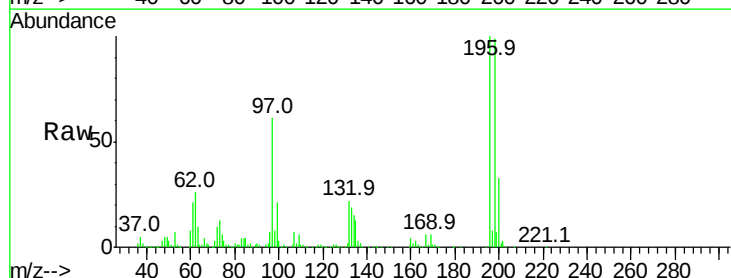
Ion Ratio Lower Upper

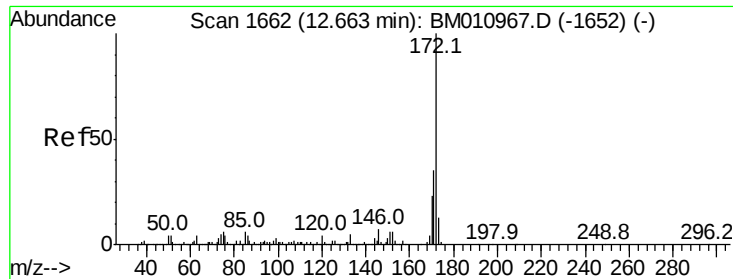
196 100

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

Instrument :

BNA_M

ClientSampleId :

0535DL

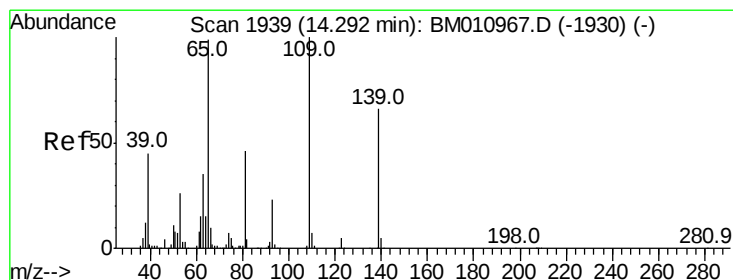
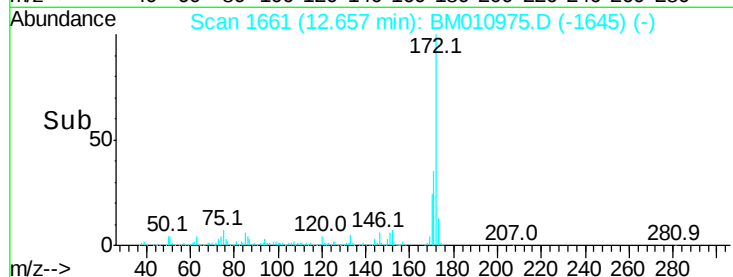
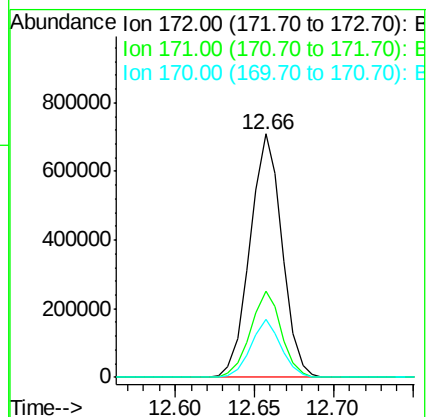
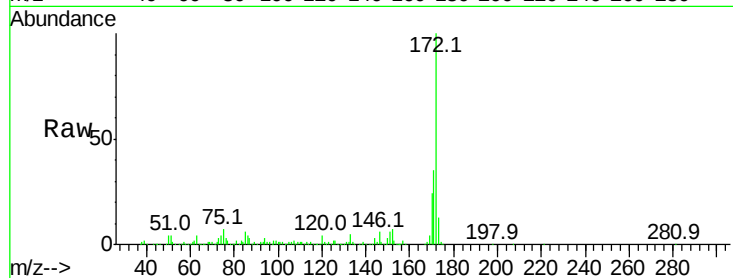
Tot Ion:172 Resp: 996305

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

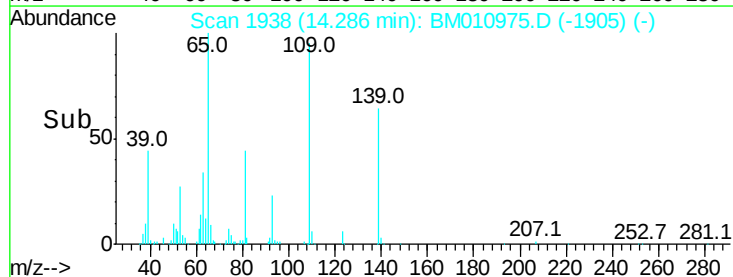
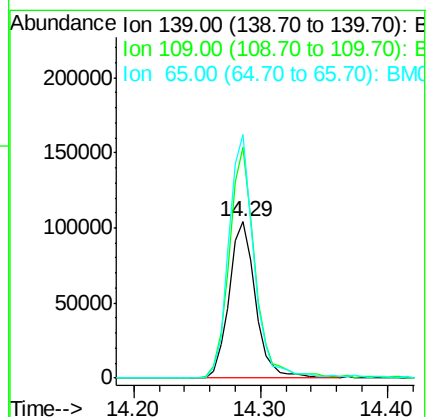
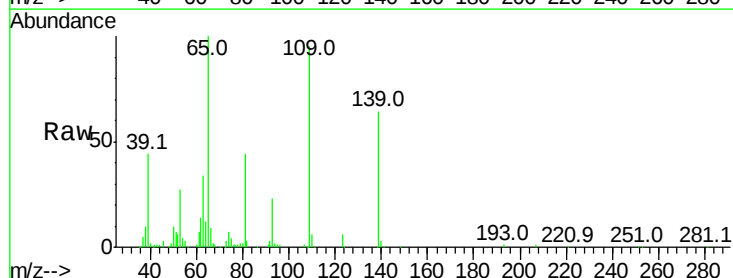
Tgt Ion:139 Resp: 150526

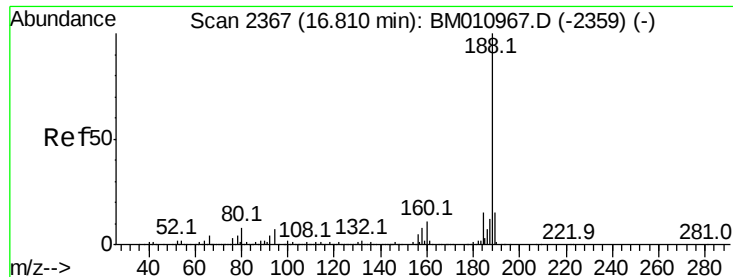
Ion Ratio Lower Upper

139 100

109 147.4 130.0 170.0

65 155.6 130.0 170.0

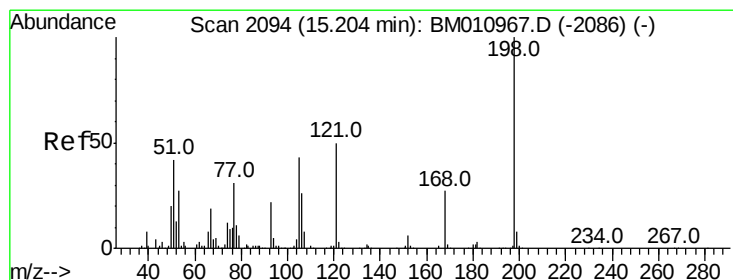
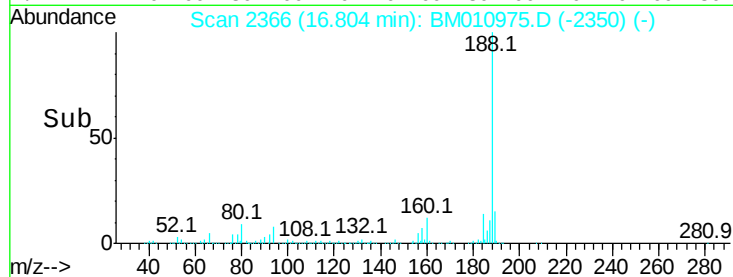
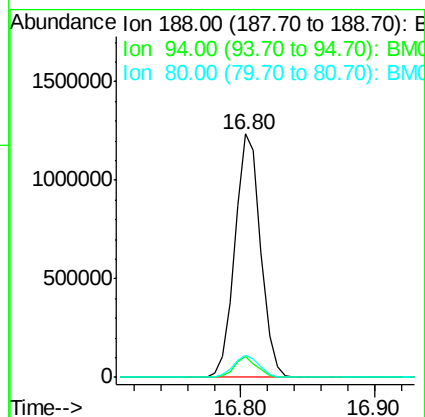
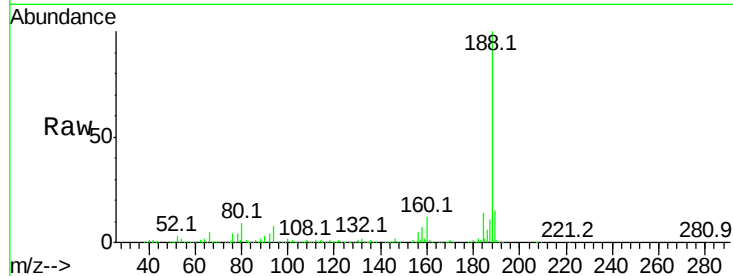




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BM010975.D
Acq: 26 Jul 2017 17:50

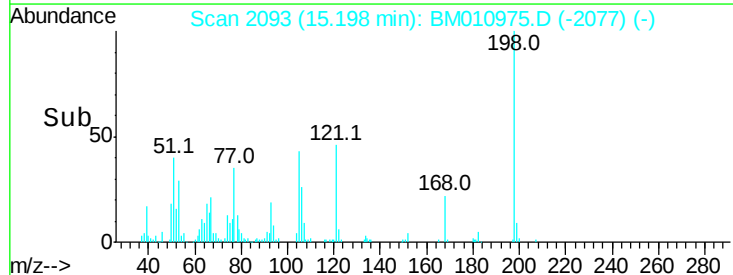
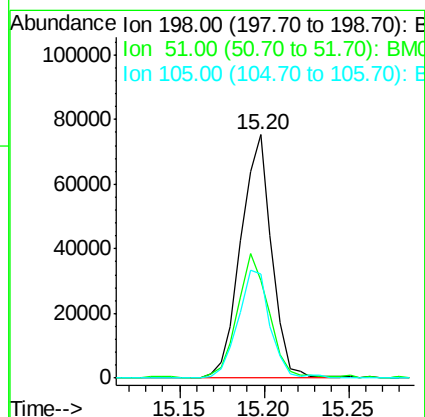
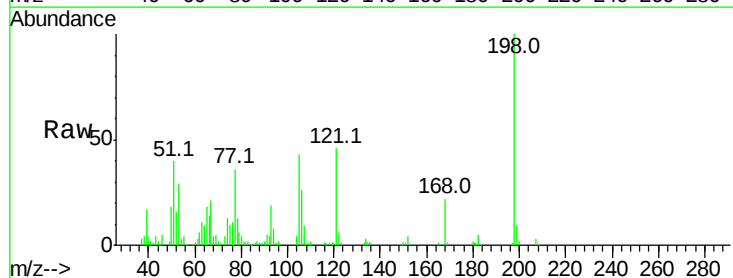
Instrument :
BNA_M
ClientSampleId :
0535DL

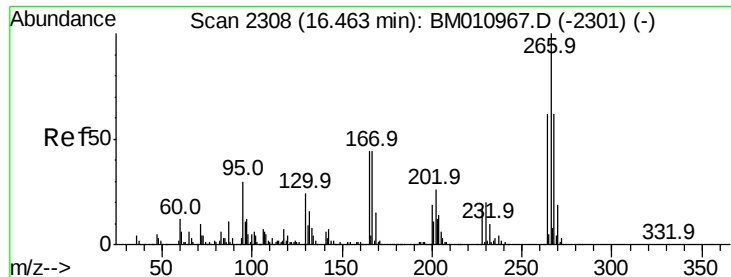
Tot Ion:188 Resp: 1654503
Ion Ratio Lower Upper
188 100
94 8.4 8.7 13.1#
80 9.4 9.3 13.9



#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

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

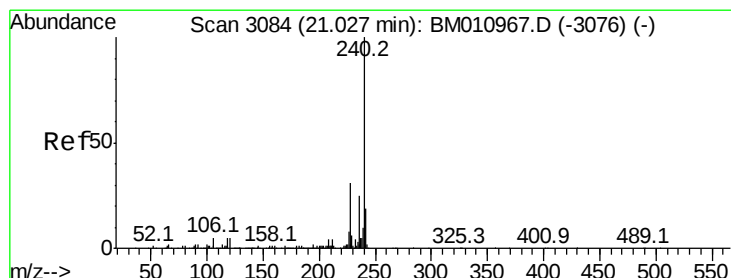
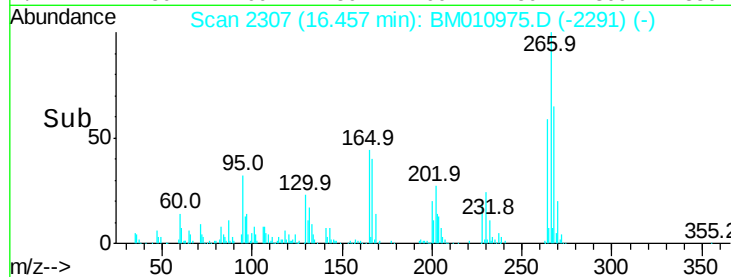
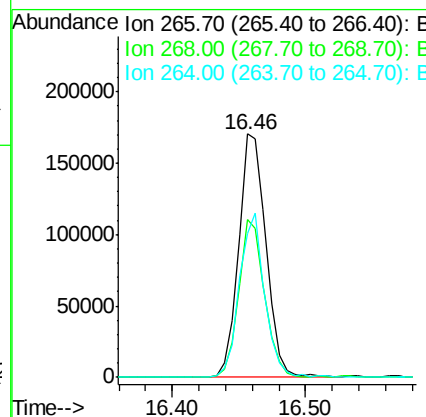
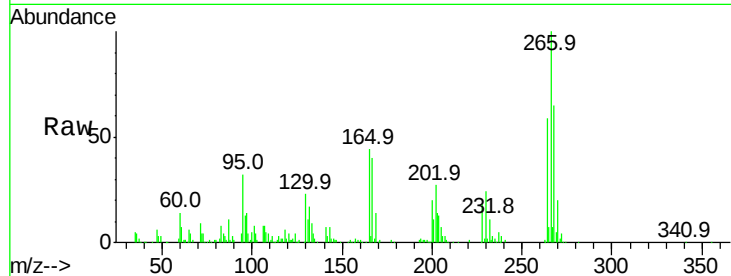




#69
 Pentachlorophenol
 Concen: 15.873 ng
 RT: 16.46 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

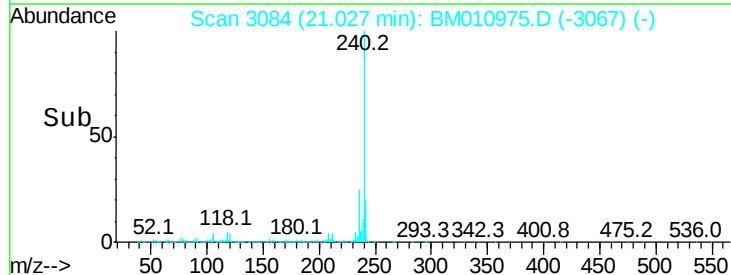
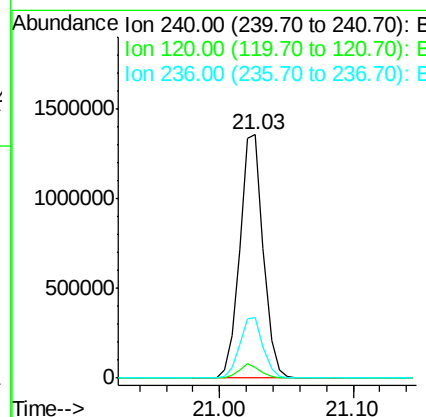
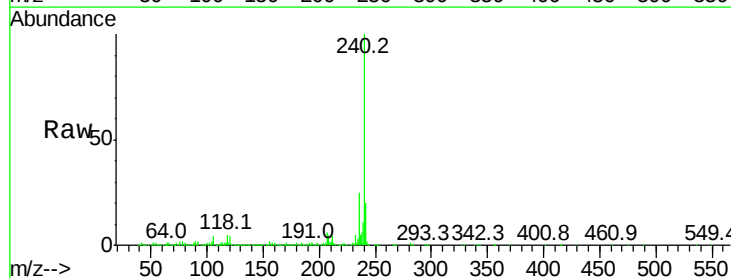
Instrument :
 BNA_M
 ClientSampleID :
 0535DL

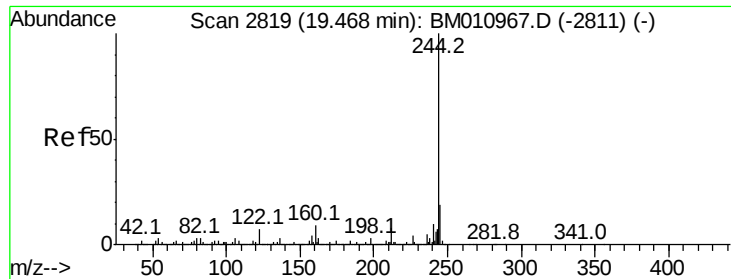
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.9	52.0	78.0
264	59.3	49.0	73.4



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.03 min Scan# 3084
 Delta R.T. -0.00 min
 Lab File: BM010975.D
 Acq: 26 Jul 2017 17:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	8.2	12.2#
236	24.8	20.0	30.0





#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

Instrument :

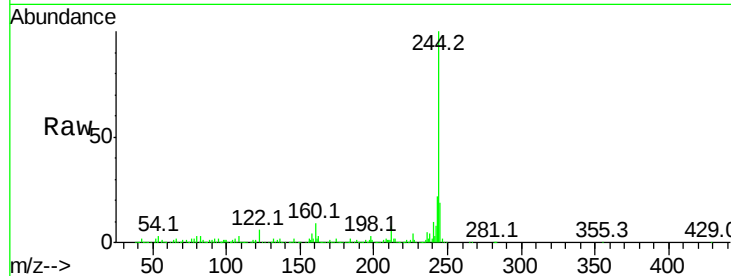
BNA_M

ClientSampleId :

0535DL

Tot Ion:244 Resp: 1418114

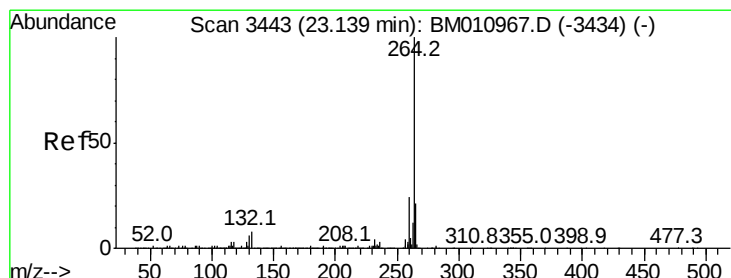
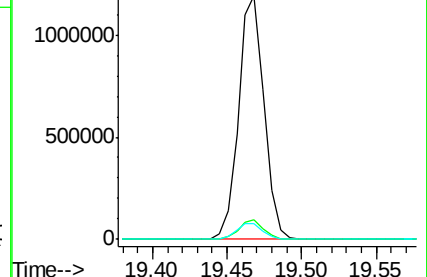
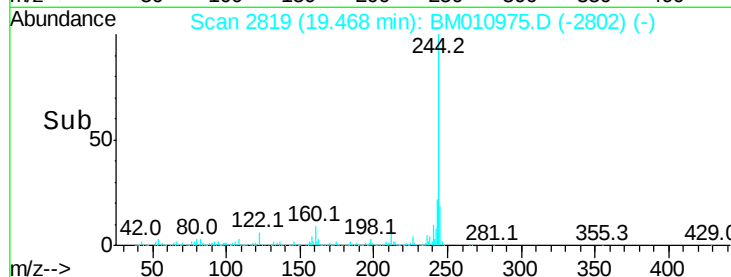
Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.9	7.3#
122	6.3	6.2	9.4



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

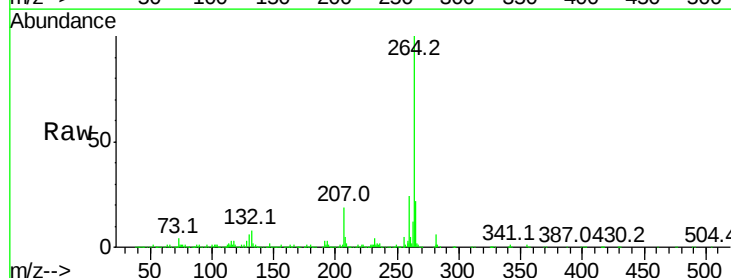
Delta R.T. -0.00 min

Lab File: BM010975.D

Acq: 26 Jul 2017 17:50

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



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

