

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120618\
 Data File : BM017948.D
 Acq On : 05 Dec 2018 23:03
 Operator : JU/SJ
 Sample : J6184-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Quant Time: Dec 06 00:19:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	145299	20.00	ng	-0.05
21) Naphthalene-d8	10.33	136	547836	20.00	ng	-0.05
39) Acenaphthene-d10	14.22	164	279939	20.00	ng	-0.05
64) Phenanthrene-d10	16.97	188	589295	20.00	ng	-0.04
76) Chrysene-d12	21.18	240	647405	20.00	ng	-0.04
87) Perylene-d12	23.36	264	614060	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	789661	91.72	ng	-0.04
7) Phenol-d6	6.76	99	924353	76.87	ng	-0.05
23) Nitrobenzene-d5	8.72	82	703128	66.26	ng	-0.05
42) 2,4,6-Tribromophenol	15.72	330	426580	106.05	ng	-0.05
45) 2-Fluorobiphenyl	12.82	172	1524012	70.63	ng	-0.05
79) Terphenyl-d14	19.62	244	2118419	74.16	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.20	88	116790	32.571	ng	# 23
3) Pyridine	3.59	79	267817	25.463	ng	# 83
4) n-Nitrosodimethylamine	3.50	42	136156	29.387	ng	# 77
6) Aniline	6.92	93	101976	6.839	ng	95
8) 2-Chlorophenol	7.14	128	377089	36.597	ng	93
9) Benzaldehyde	6.73	77	57016	6.509	ng	97
10) Phenol	6.79	94	358074	28.371	ng	94
11) bis(2-Chloroethyl)ether	7.01	93	338885	34.013	ng	94
12) 1,3-Dichlorobenzene	7.45	146	379783	32.853	ng	96
13) 1,4-Dichlorobenzene	7.60	146	389469	32.869	ng	100
14) 1,2-Dichlorobenzene	7.91	146	379524	33.032	ng	96
15) Benzyl Alcohol	7.82	79	286184	29.885	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.10	45	381861	25.172	ng	90
17) 2-Methylphenol	8.02	107	286738	33.724	ng	97
18) Hexachloroethane	8.62	117	138819	33.241	ng	96
19) n-Nitroso-di-n-propylamine	8.37	70	265426	30.742	ng	88
20) 3+4-Methylphenols	8.35	107	368605	31.203	ng	96
22) Acetophenone	8.39	105	536013	39.202	ng	# 93
24) Nitrobenzene	8.76	77	393339	36.533	ng	98
25) Isophorone	9.28	82	701359	42.791	ng	99
26) 2-Nitrophenol	9.46	139	198619	40.050	ng	94
27) 2,4-Dimethylphenol	9.53	122	323146	45.212	ng	97
28) bis(2-Chloroethoxy)methane	9.76	93	431107	38.836	ng	98
29) 2,4-Dichlorophenol	9.99	162	320121	38.584	ng	97
30) 1,2,4-Trichlorobenzene	10.20	180	348559	36.121	ng	97
31) Naphthalene	10.38	128	1076775	39.976	ng	99
32) Benzoic acid	9.69	122	184990	28.573	ng	96
33) 4-Chloroaniline	10.52	127	65839	5.581	ng	99
34) Hexachlorobutadiene	10.66	225	211160	35.248	ng	96
35) Caprolactam	11.31	113	71263	23.324	ng	# 75
36) 4-Chloro-3-methylphenol	11.65	107	340530	35.549	ng	98
37) 2-Methylnaphthalene	12.00	142	777831	40.859	ng	99
38) 1-Methylnaphthalene	12.23	142	738854	39.583	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	393689	39.882	ng	98

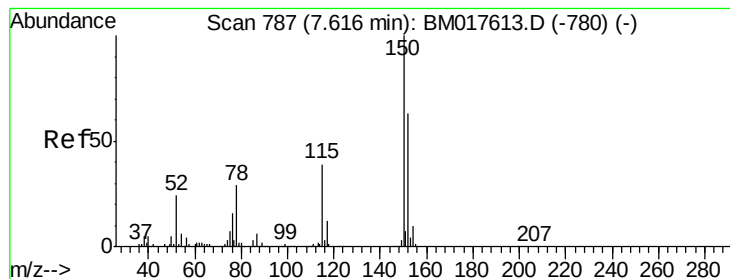
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120618\
 Data File : BM017948.D
 Acq On : 05 Dec 2018 23:03
 Operator : JU/SJ
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.35	237	488846	95.836	ng	99
43) 2,4,6-Trichlorophenol	12.63	196	257082	41.578	ng	97
44) 2,4,5-Trichlorophenol	12.71	196	271753	41.625	ng	97
46) 1,1'-Biphenyl	13.04	154	963034	38.326	ng	99
47) 2-Chloronaphthalene	13.07	162	744295	39.907	ng	99
48) 2-Nitroaniline	13.30	65	205287	35.591	ng	91
49) Acenaphthylene	13.93	152	1206382	43.051	ng	99
50) Dimethylphthalate	13.69	163	900393	39.560	ng	99
51) 2,6-Dinitrotoluene	13.81	165	202188	39.894	ng	91
52) Acenaphthene	14.28	154	694677	40.395	ng	99
53) 3-Nitroaniline	14.15	138	84765	15.362	ng	# 96
54) 2,4-Dinitrophenol	14.36	184	252017	81.320	ng	95
55) Dibenzofuran	14.62	168	1109228	39.469	ng	98
56) 4-Nitrophenol	14.47	139	288876	63.381	ng	93
57) 2,4-Dinitrotoluene	14.61	165	277023	40.550	ng	97
58) Fluorene	15.27	166	889406	41.339	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.85	232	242258	40.344	ng	99
60) Diethylphthalate	15.06	149	905428	36.818	ng	99
61) 4-Chlorophenyl-phenylether	15.27	204	447261	36.590	ng	99
62) 4-Nitroaniline	15.32	138	143281	27.552	ng	96
63) Azobenzene	15.56	77	823722	36.234	ng	96
65) 4,6-Dinitro-2-methylphenol	15.37	198	161304	39.513	ng	94
66) n-Nitrosodiphenylamine	15.49	169	677180	35.742	ng	98
67) 4-Bromophenyl-phenylether	16.17	248	275645	39.550	ng	98
68) Hexachlorobenzene	16.27	284	307246	39.105	ng	99
69) Atrazine	16.46	200	156920	22.518	ng	98
70) Pentachlorophenol	16.63	266	386386	70.186	ng	100
71) Phenanthrene	17.02	178	1374523	42.985	ng	100
72) Anthracene	17.10	178	1394519	44.817	ng	100
73) Carbazole	17.39	167	1024502	32.584	ng	99
74) Di-n-butylphthalate	17.95	149	1539253	43.977	ng	99
75) Fluoranthene	19.04	202	1576912	43.585	ng	100
78) Pyrene	19.41	202	1604052	40.156	ng	99
80) Butylbenzylphthalate	20.33	149	713724	43.991	ng	95
81) Benzo(a)anthracene	21.17	228	1628973	43.674	ng	98
82) 3,3'-Dichlorobenzidine	21.11	252	139998	9.725	ng	98
83) Chrysene	21.22	228	1534429	42.357	ng	100
84) Bis(2-ethylhexyl)phthalate	21.10	149	1026083	42.781	ng	100
85) Di-n-octyl phthalate	21.97	149	1805683	47.016	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.53	276	1896851	65.525	ng	100
88) Benzo(b)fluoranthene	22.71	252	1655962	46.048	ng	99
89) Benzo(k)fluoranthene	22.76	252	1604782	44.151	ng	99
90) Benzo(a)pyrene	23.27	252	1563962	47.697	ng	100
91) Dibenzo(a,h)anthracene	25.54	278	1655223	60.045	ng	99
92) Benzo(g,h,i)perylene	26.19	276	1578916	60.909	ng	99

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

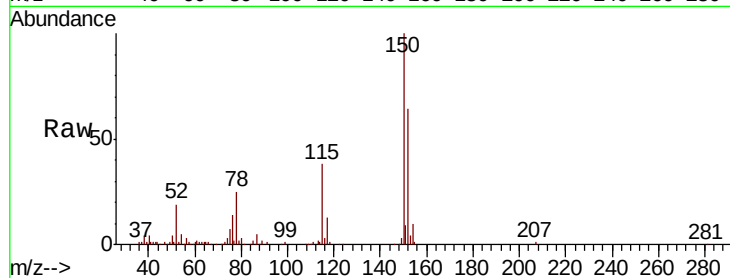


#1

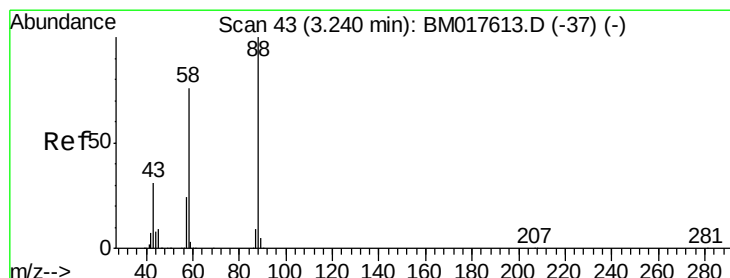
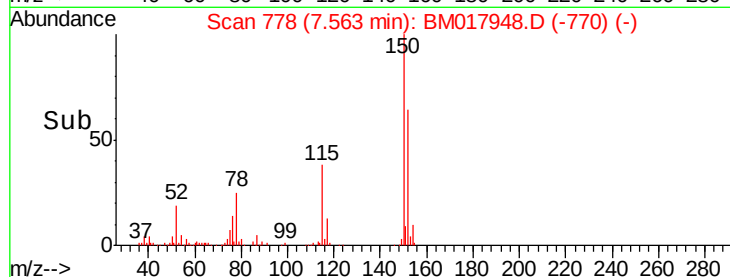
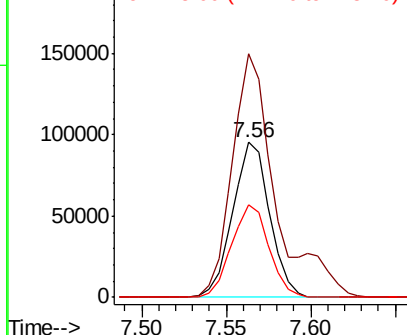
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 778
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tgt Ion:152 Resp: 145299
Ion Ratio Lower Upper
152 100
150 156.9 126.4 189.6
115 59.4 49.4 74.0



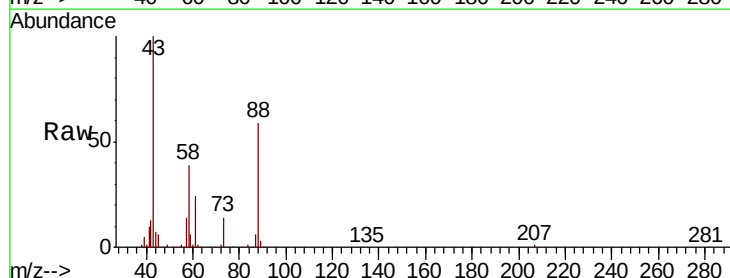
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



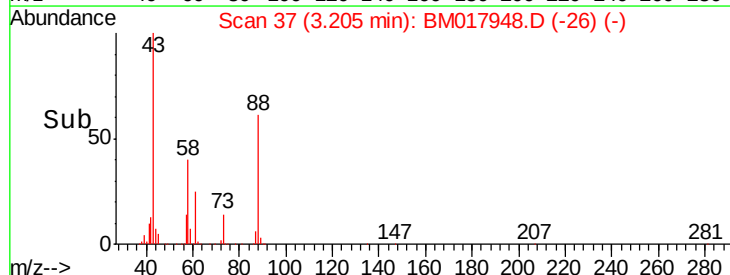
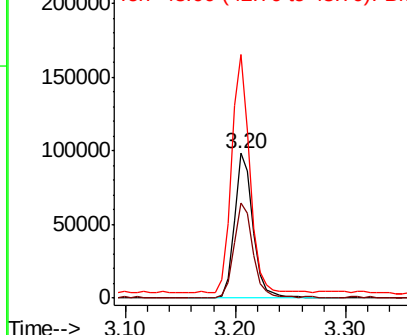
#2

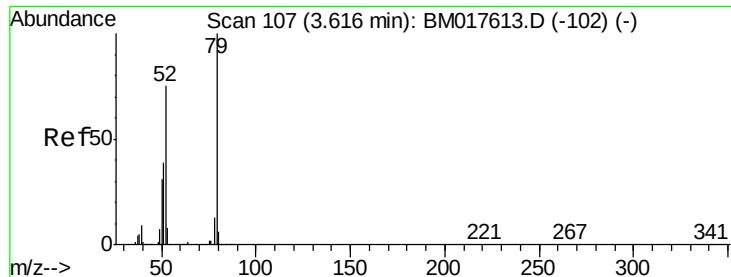
1,4-Dioxane
Concen: 32.571 ng
RT: 3.20 min Scan# 37
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion: 88 Resp: 116790
Ion Ratio Lower Upper
88 100
58 65.0 62.0 93.0
43 158.8 26.8 40.2#



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





#3

Pyridine

Concen: 25.463 ng

RT: 3.59 min Scan# 102

Delta R.T. -0.03 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

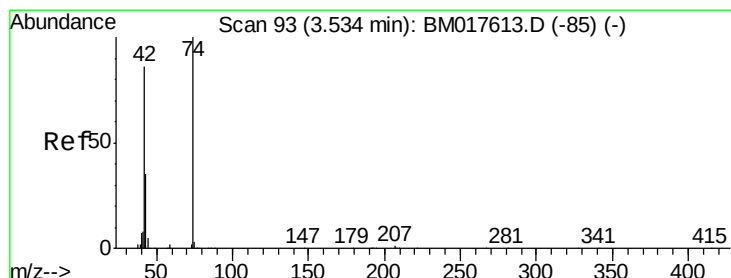
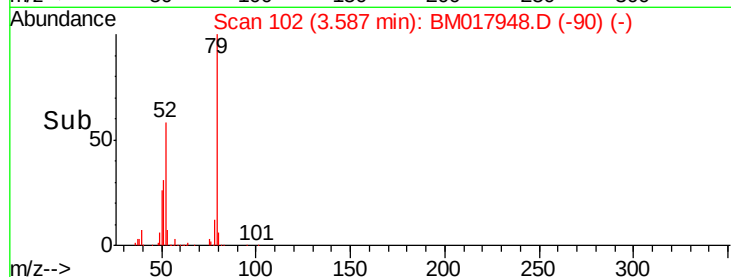
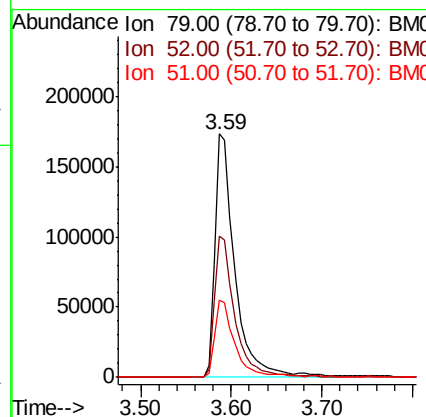
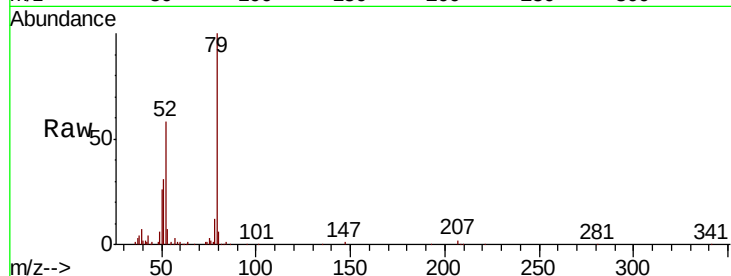
Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tgt Ion:	79	Resp:	267817
Ion	Ratio	Lower	Upper
79	100		
52	58.1	60.1	90.1#
51	31.5	31.1	46.7



#4

n-Nitrosodimethylamine

Concen: 29.387 ng

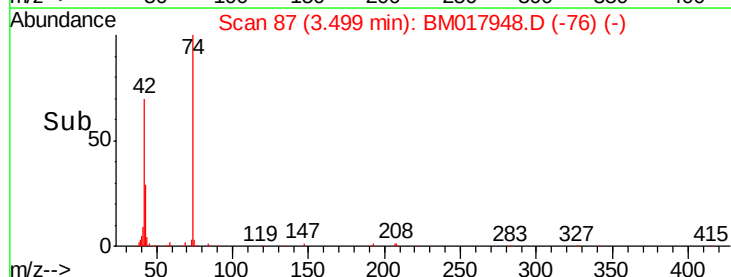
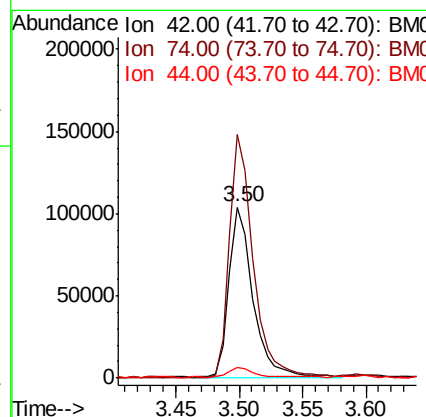
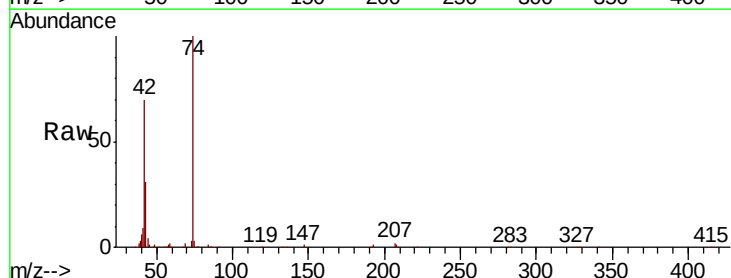
RT: 3.50 min Scan# 87

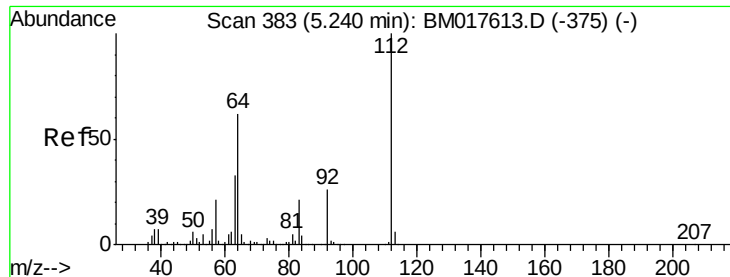
Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:	42	Resp:	136156
Ion	Ratio	Lower	Upper
42	100		
74	142.6	93.1	139.7#
44	6.0	5.0	7.6





#5

2-Fluorophenol

Concen: 91.719 ng

RT: 5.20 min Scan# 376

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

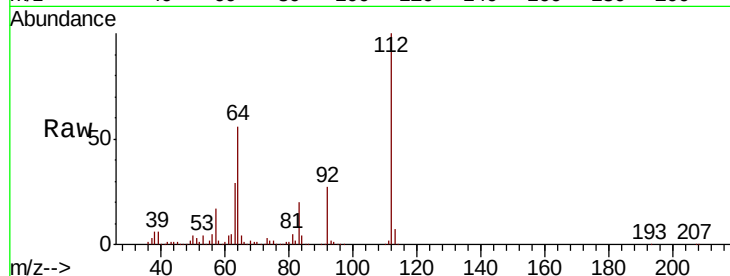
Tgt Ion: 112 Resp: 789661

Ion Ratio Lower Upper

112 100

64 55.6 49.3 73.9

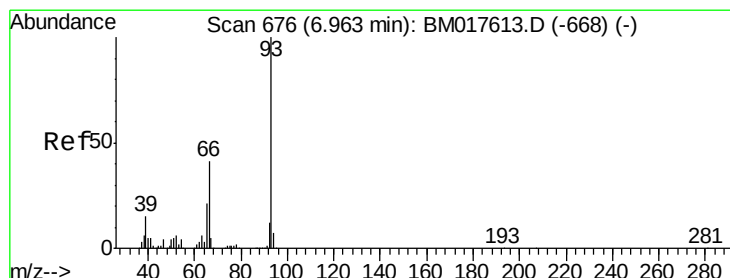
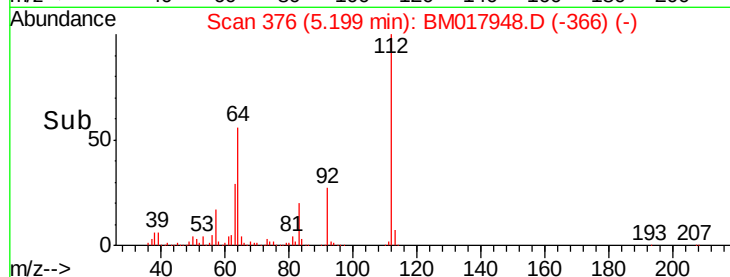
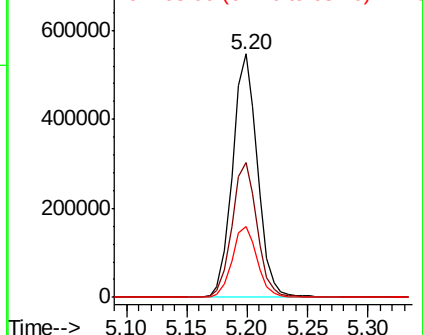
63 29.3 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 6.839 ng

RT: 6.92 min Scan# 668

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

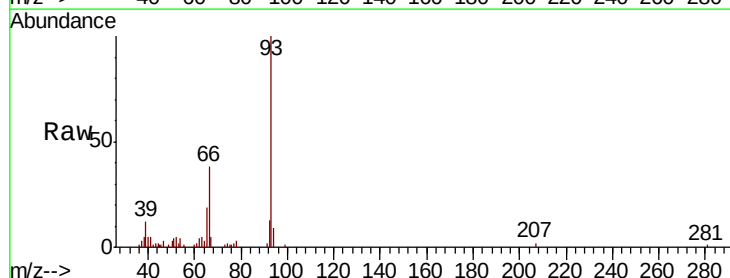
Tgt Ion: 93 Resp: 101976

Ion Ratio Lower Upper

93 100

66 37.9 32.8 49.2

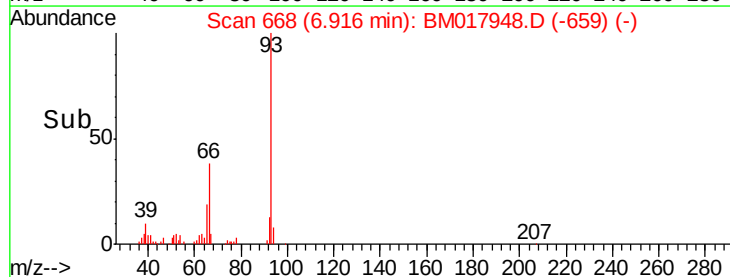
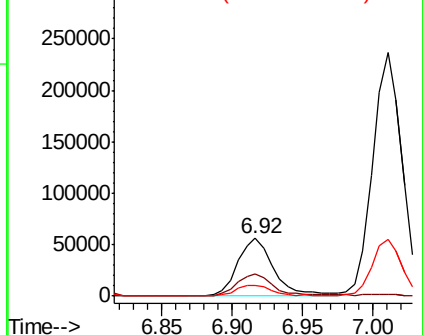
65 18.9 16.6 25.0

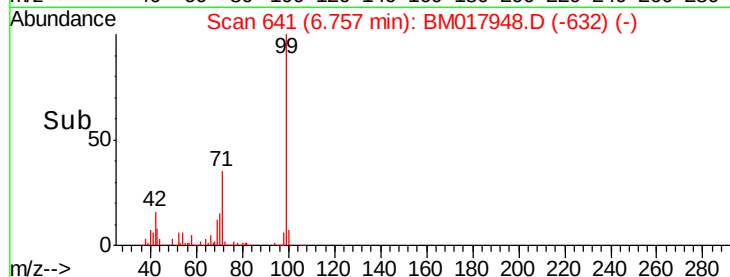
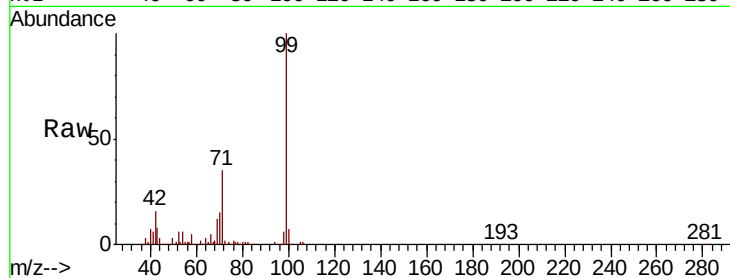
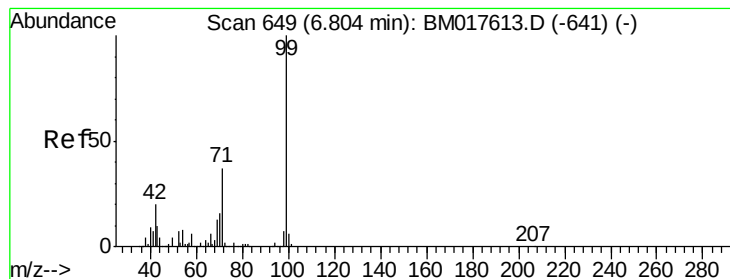


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 76.873 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

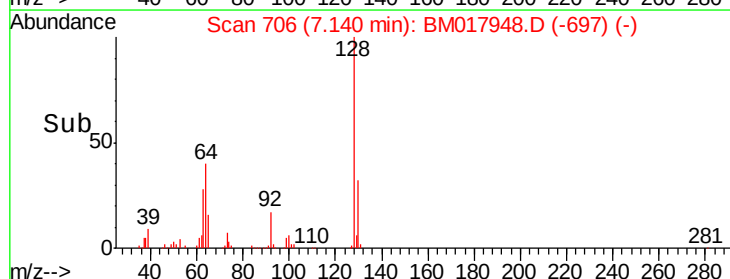
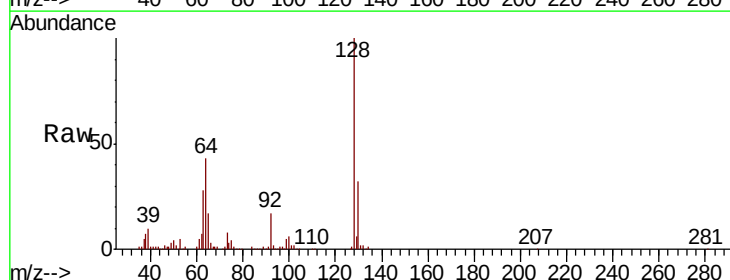
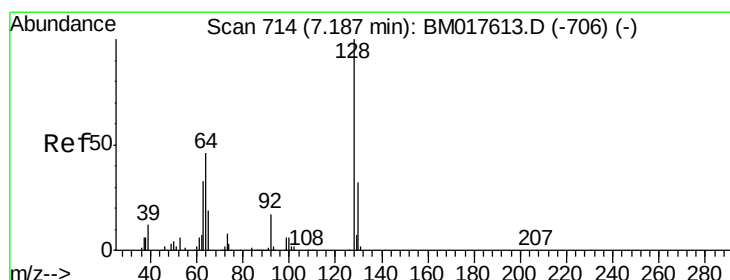
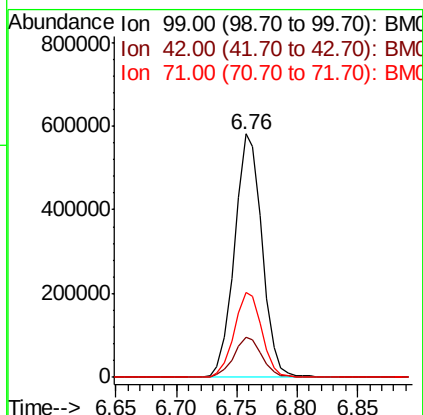
Tgt Ion: 99 Resp: 924353

Ion Ratio Lower Upper

99 100

42 16.2 16.3 24.5#

71 35.1 29.8 44.8



#8

2-Chlorophenol

Concen: 36.597 ng

RT: 7.14 min Scan# 706

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

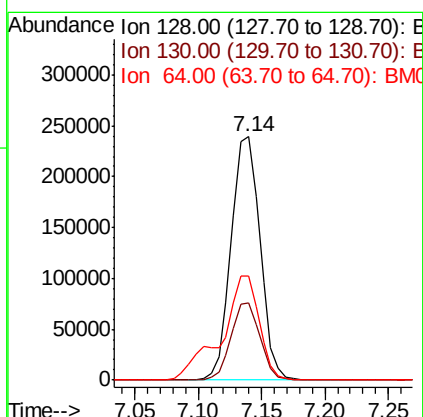
Tgt Ion: 128 Resp: 377089

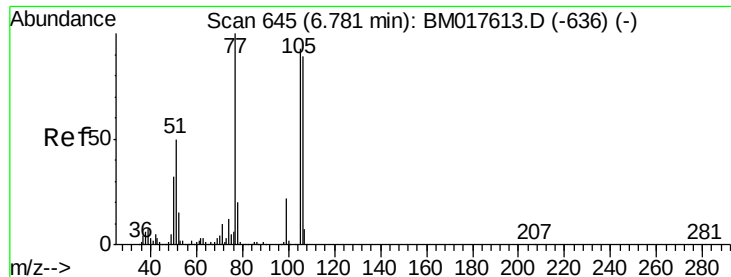
Ion Ratio Lower Upper

128 100

130 32.0 12.4 52.4

64 42.5 30.0 70.0





#9

Benzaldehyde

Concen: 6.509 ng

RT: 6.73 min Scan# 636

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

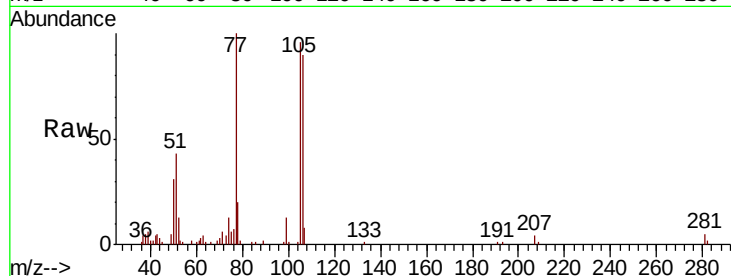
Tgt Ion: 77 Resp: 57016

Ion Ratio Lower Upper

77 100

105 96.4 72.7 112.7

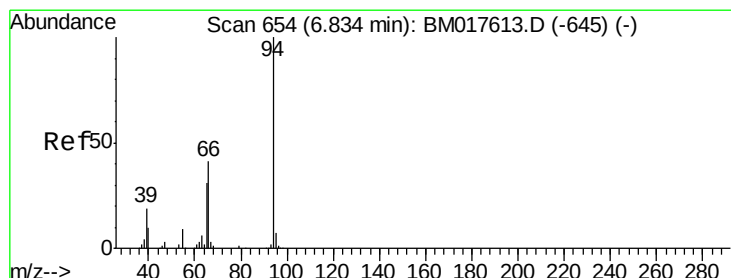
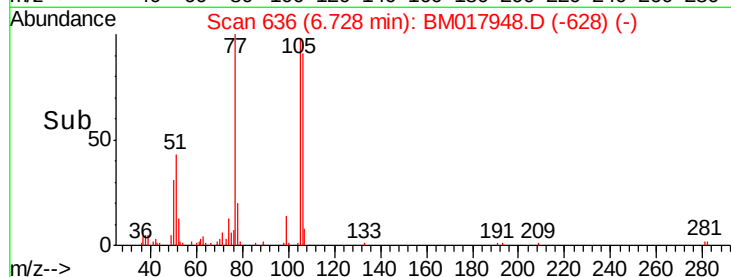
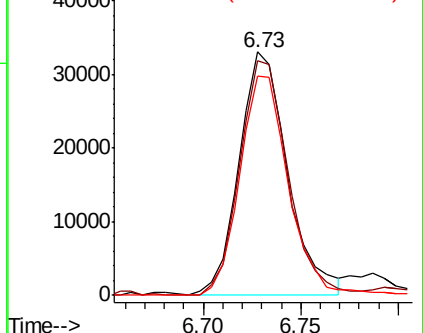
106 90.1 68.9 108.9



Abundance Ion 77.00 (76.70 to 77.70): BM017613.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM017613.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM017613.D (-636) (-)



#10

Phenol

Concen: 28.371 ng

RT: 6.79 min Scan# 646

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

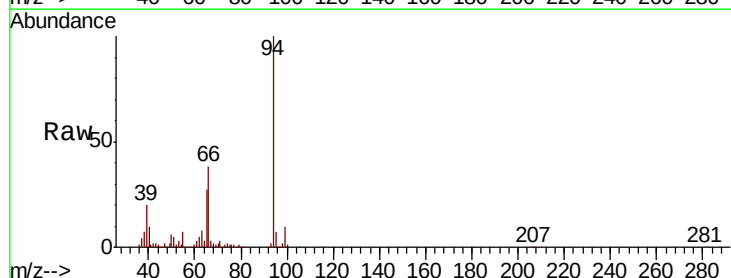
Tgt Ion: 94 Resp: 358074

Ion Ratio Lower Upper

94 100

65 26.9 11.4 51.4

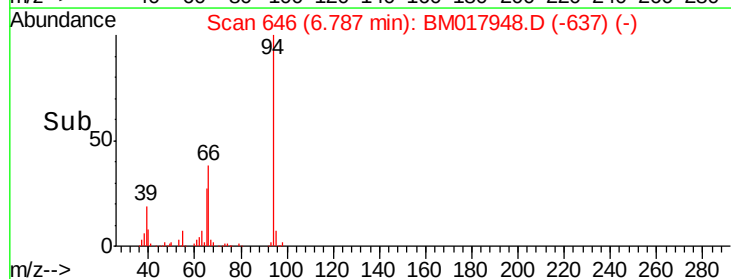
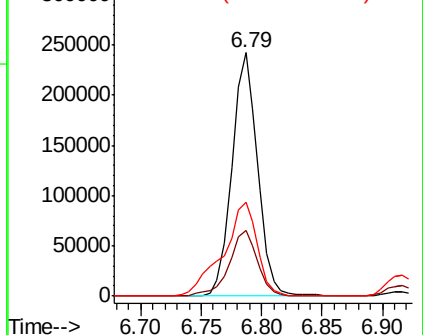
66 38.3 21.4 61.4

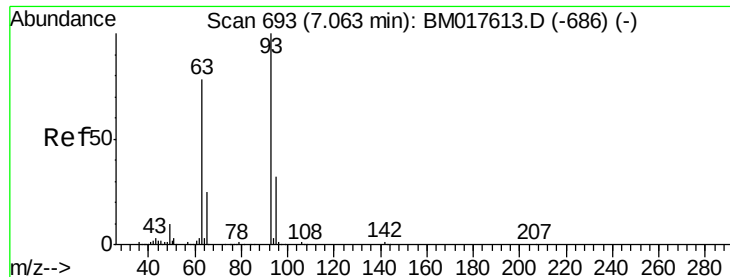


Abundance Ion 94.00 (93.70 to 94.70): BM017613.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM017613.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM017613.D (-645) (-)

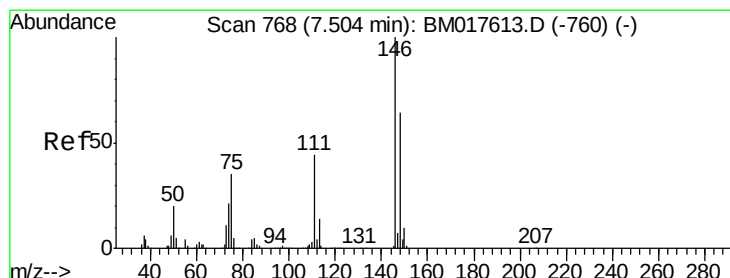
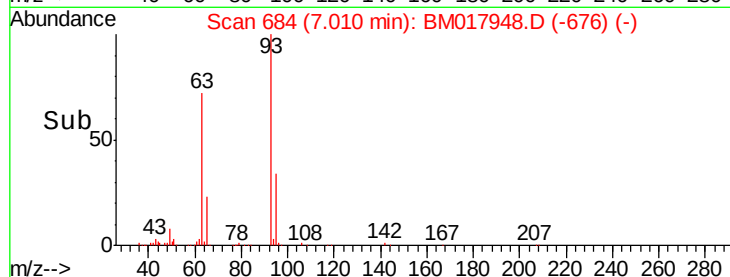
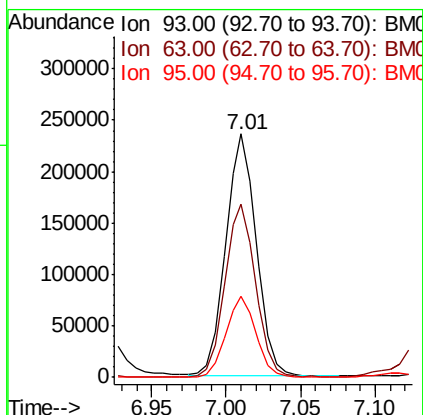
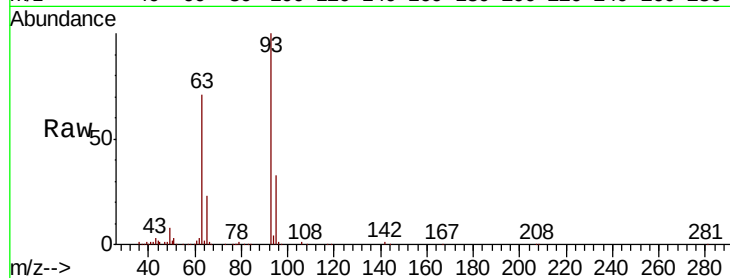




#11
bis(2-Chloroethyl)ether
Concen: 34.013 ng
RT: 7.01 min Scan# 684
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

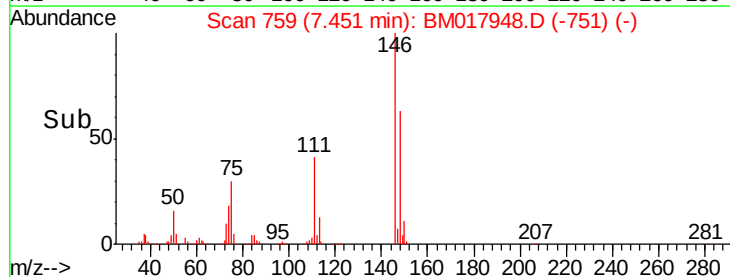
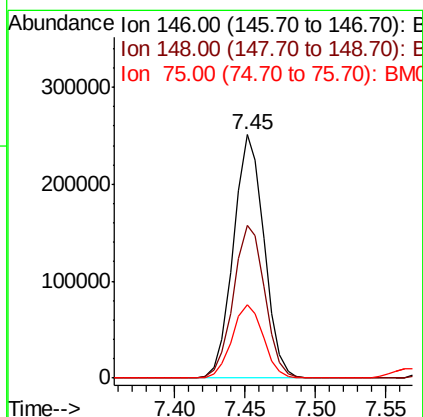
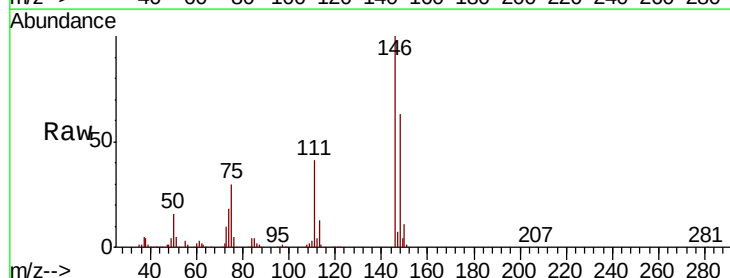
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

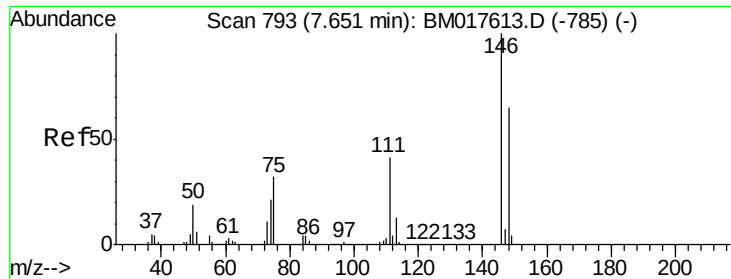
Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.2	57.9	97.9
95	33.3	12.3	52.3



#12
1,3-Dichlorobenzene
Concen: 32.853 ng
RT: 7.45 min Scan# 759
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.2	76.8
75	30.0	28.2	42.2

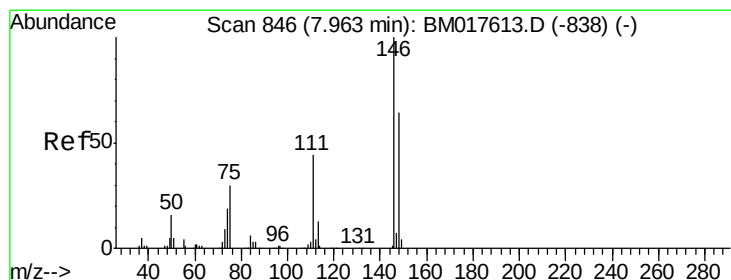
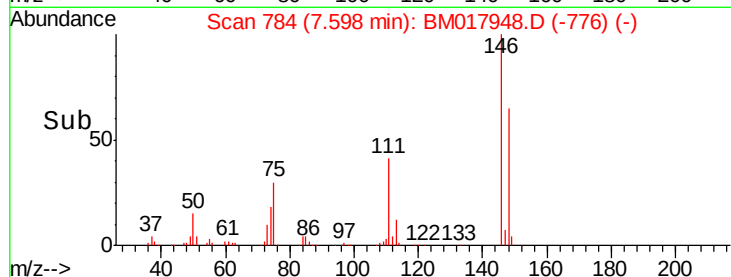
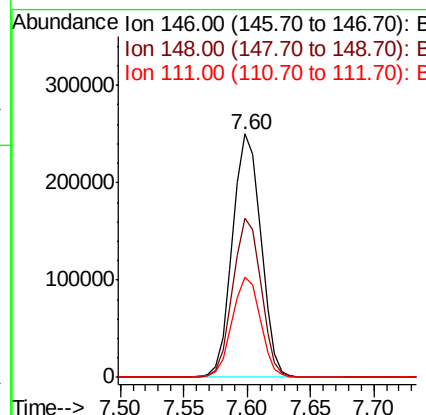
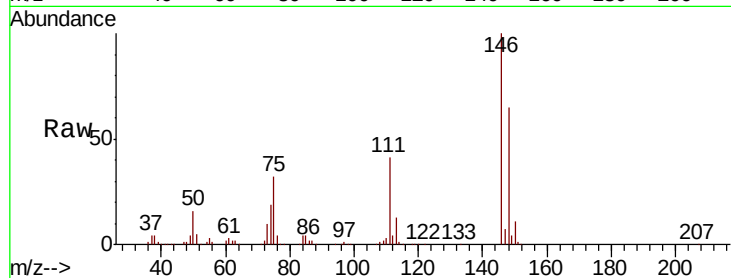




#13
 1,4-Dichlorobenzene
 Concen: 32.869 ng
 RT: 7.60 min Scan# 784
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

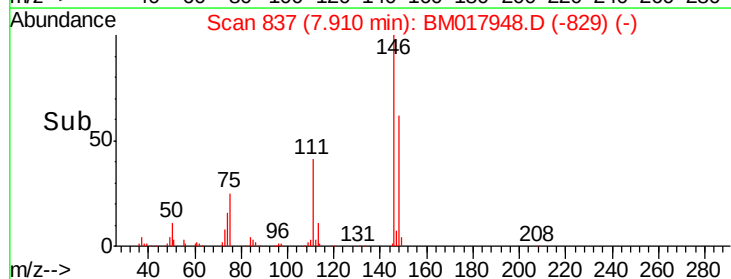
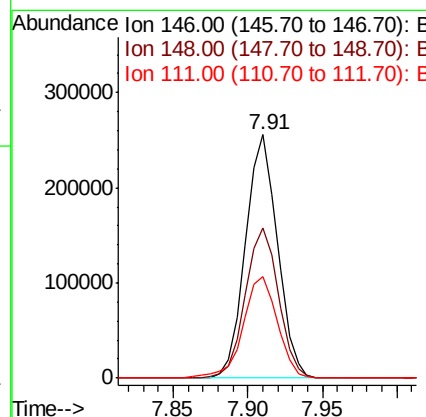
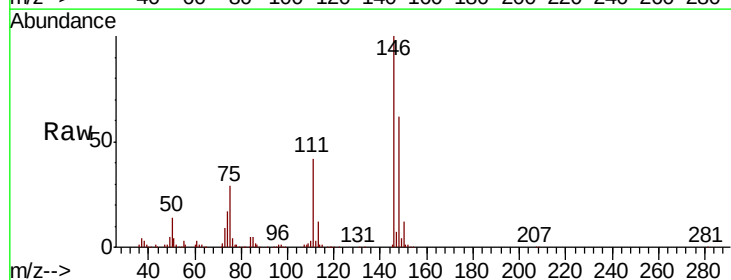
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

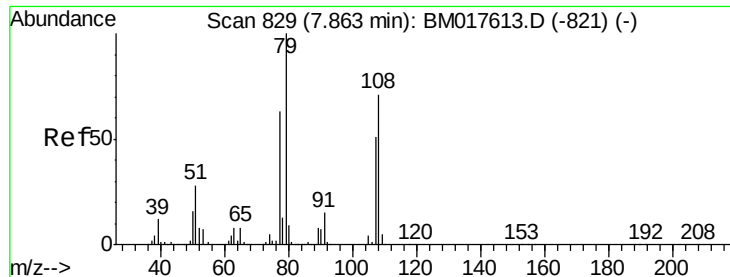
Tgt Ion:146 Resp: 389469
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.0 78.0
 111 41.1 33.2 49.8



#14
 1,2-Dichlorobenzene
 Concen: 33.032 ng
 RT: 7.91 min Scan# 837
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:146 Resp: 379524
 Ion Ratio Lower Upper
 146 100
 148 61.9 51.6 77.4
 111 41.8 35.8 53.8

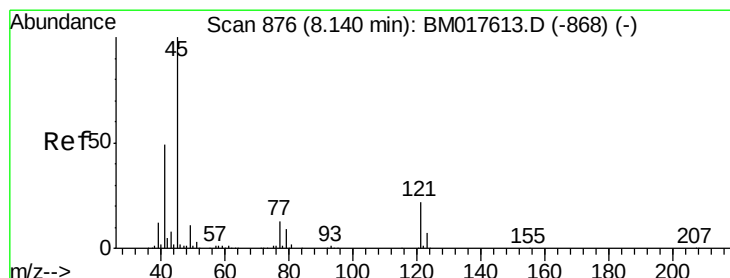
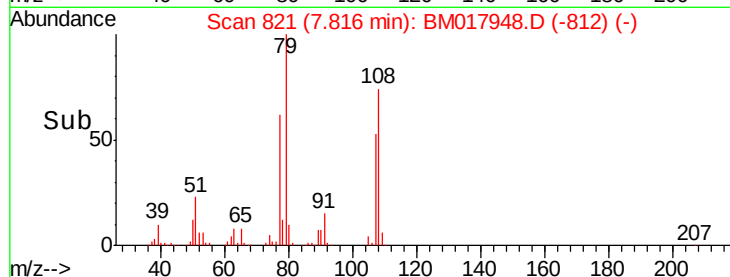
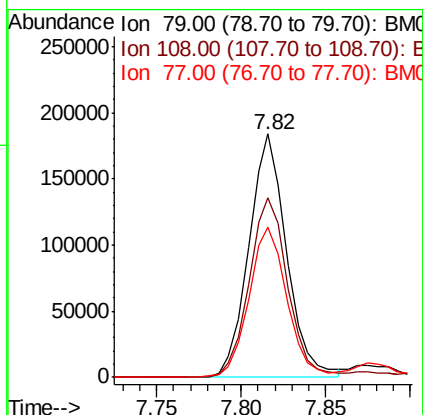
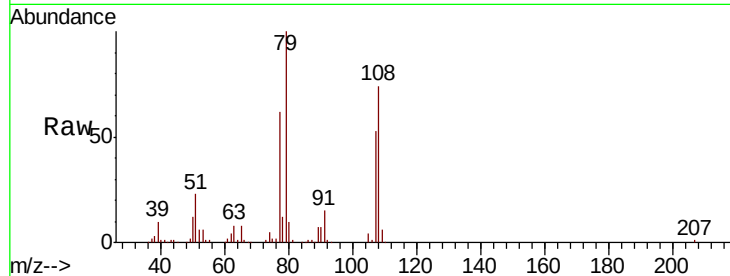




#15
Benzyl Alcohol
Concen: 29.885 ng
RT: 7.82 min Scan# 821
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

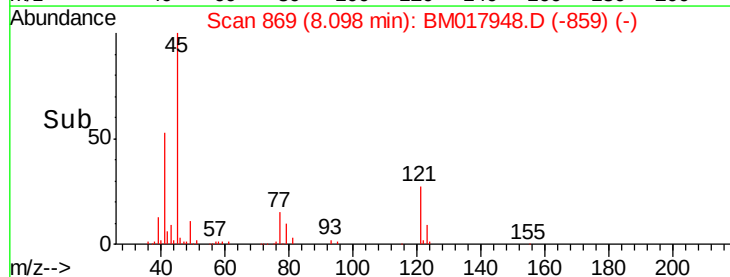
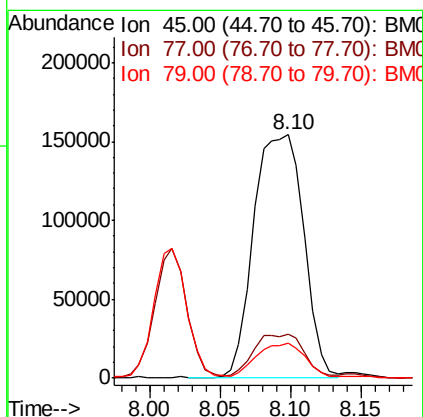
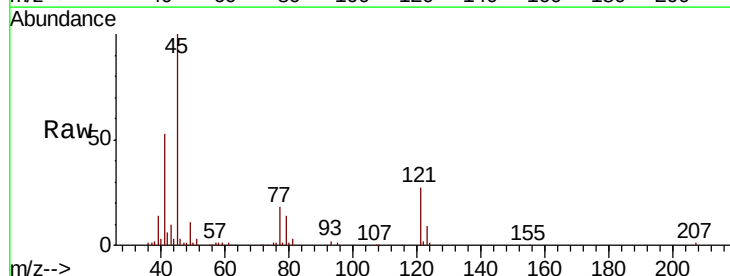
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

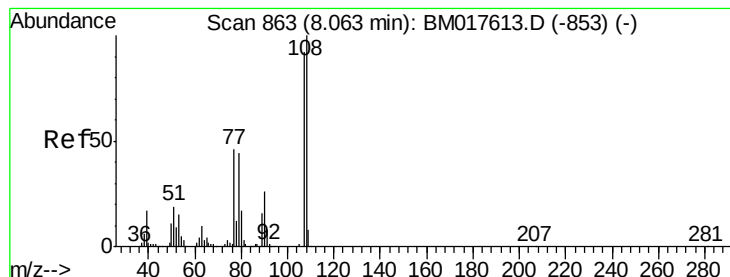
Tgt Ion: 79 Resp: 286184
Ion Ratio Lower Upper
79 100
108 73.7 57.1 85.7
77 61.9 50.4 75.6



#16
2,2'-oxybis(1-chloropropane)
Concen: 25.172 ng
RT: 8.10 min Scan# 869
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion: 45 Resp: 381861
Ion Ratio Lower Upper
45 100
77 18.2 0.0 34.2
79 14.4 0.0 30.5





#17

2-Methylphenol

Concen: 33.724 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tgt Ion:107 Resp: 286738

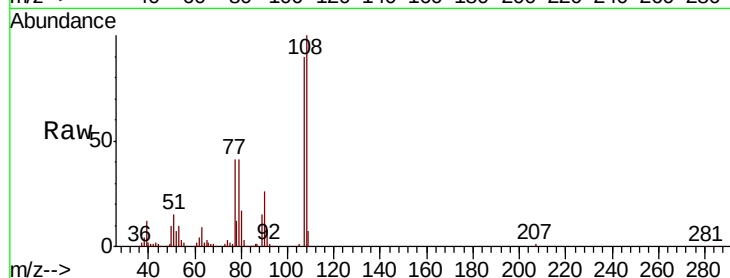
Ion Ratio Lower Upper

107 100

108 110.8 86.7 130.1

77 45.9 39.8 59.6

79 45.9 38.4 57.6



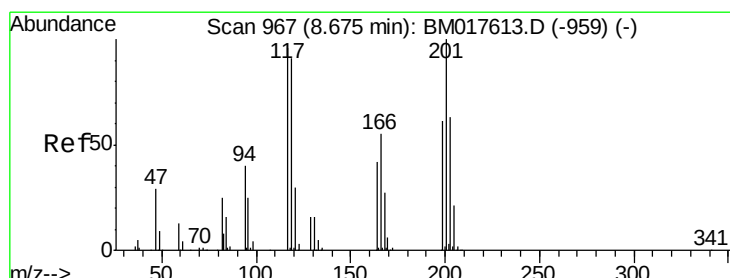
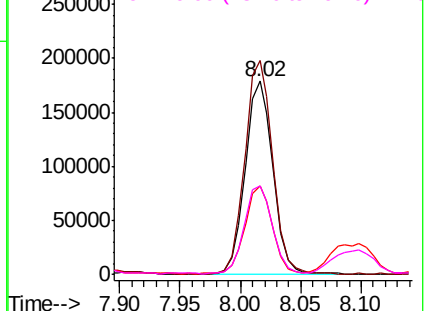
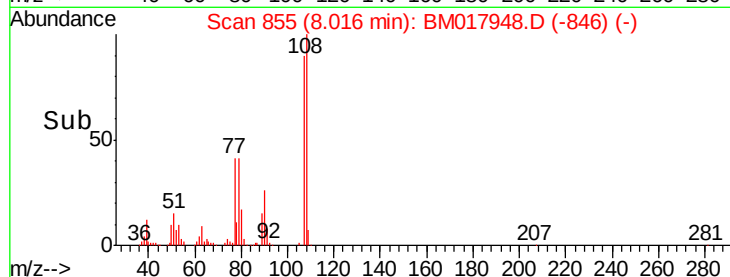
Abundance

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): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 33.241 ng

RT: 8.62 min Scan# 957

Delta R.T. -0.06 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

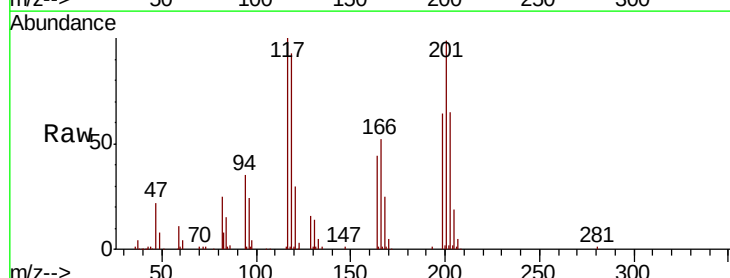
Tgt Ion:117 Resp: 138819

Ion Ratio Lower Upper

117 100

119 92.9 75.8 113.8

201 98.7 83.0 124.4

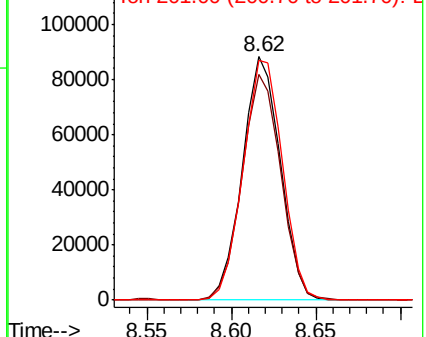
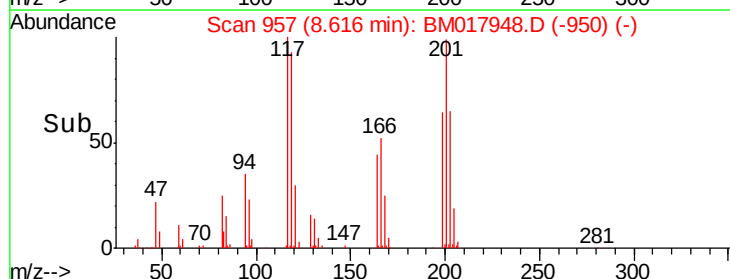


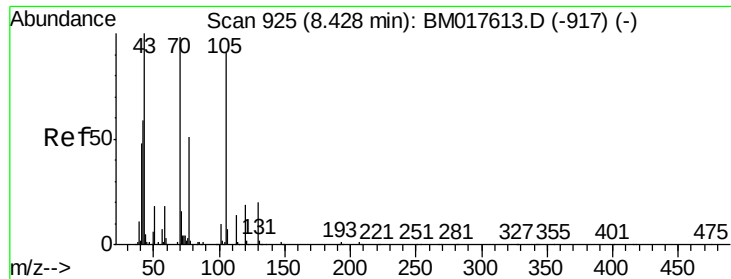
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

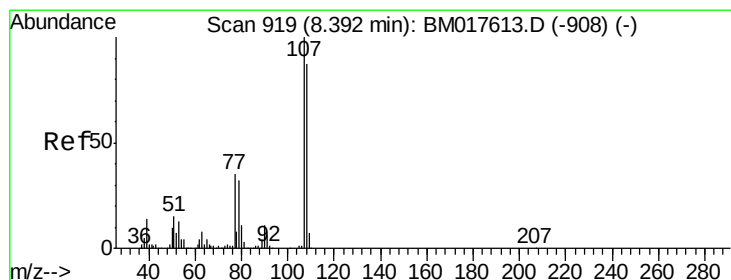
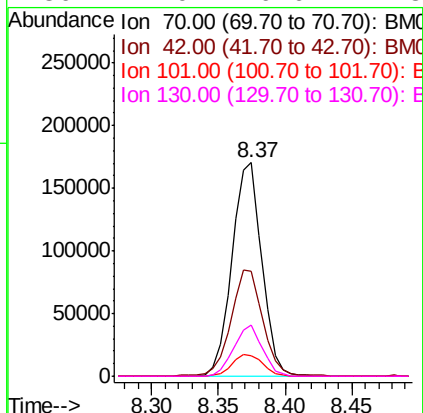
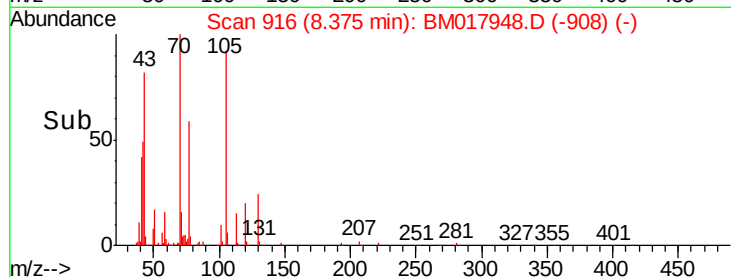
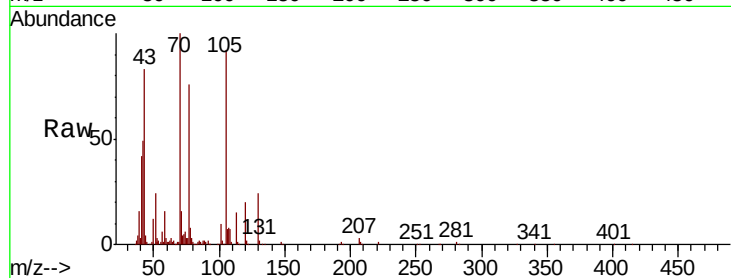




#19
n-Nitroso-di-n-propylamine
Concen: 30.742 ng
RT: 8.37 min Scan# 916
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

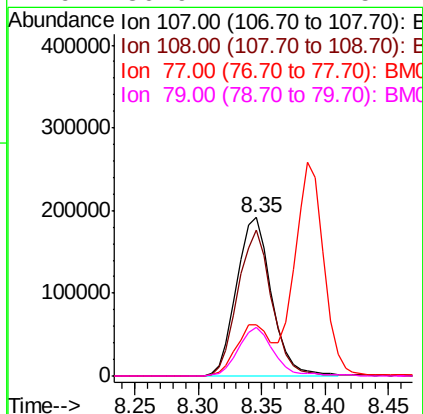
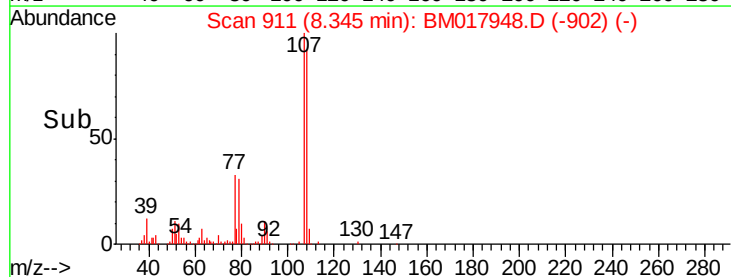
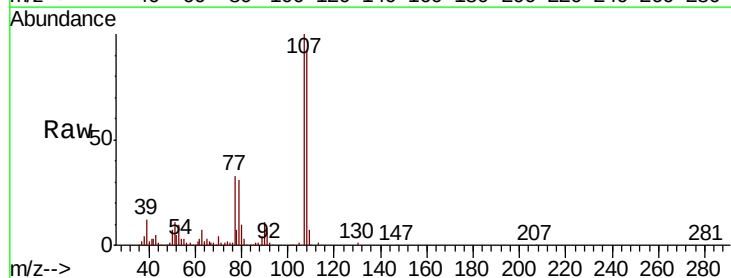
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

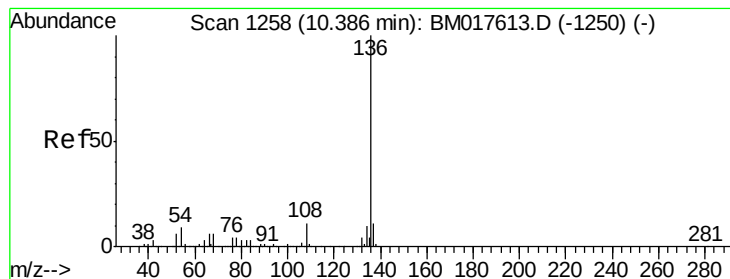
Tgt Ion:	70	Resp:	265426
Ion	Ratio	Lower	Upper
70	100		
42	48.9	48.6	73.0
101	9.8	7.9	11.9
130	24.0	16.6	24.8



#20
3+4-Methylphenols
Concen: 31.203 ng
RT: 8.35 min Scan# 911
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:	107	Resp:	368605
Ion	Ratio	Lower	Upper
107	100		
108	91.9	67.0	107.0
77	32.6	15.6	55.6
79	30.9	11.7	51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1249

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tgt Ion:136 Resp: 547836

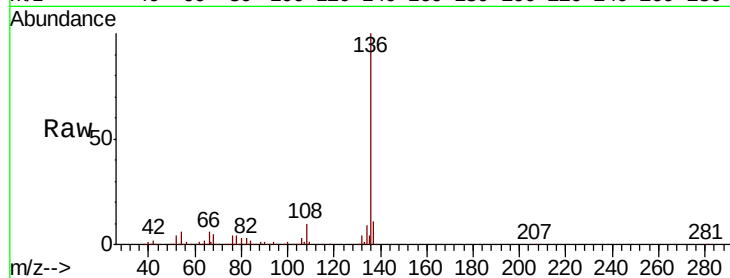
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.5 7.0 10.6#

68 5.3 4.9 7.3



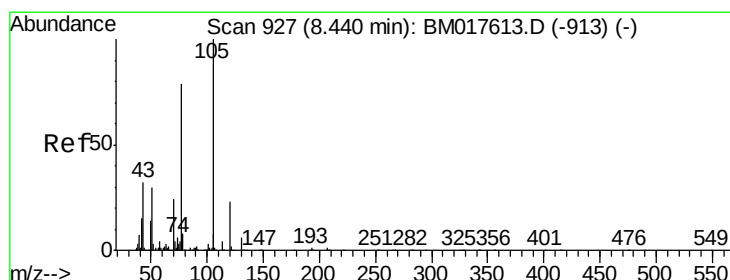
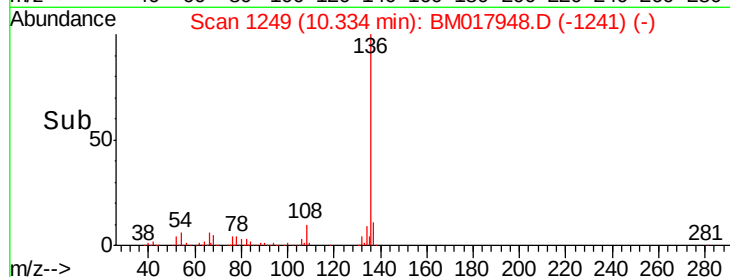
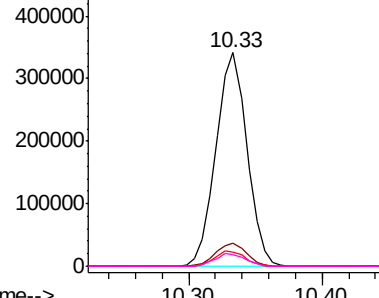
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 39.202 ng

RT: 8.39 min Scan# 918

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:105 Resp: 536013

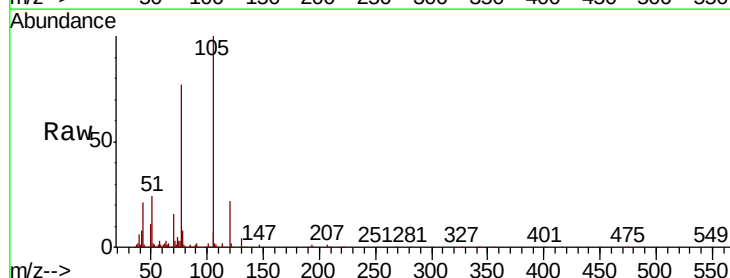
Ion Ratio Lower Upper

105 100

71 2.7 3.1 4.7#

51 23.8 23.8 35.8#

120 21.8 18.0 27.0



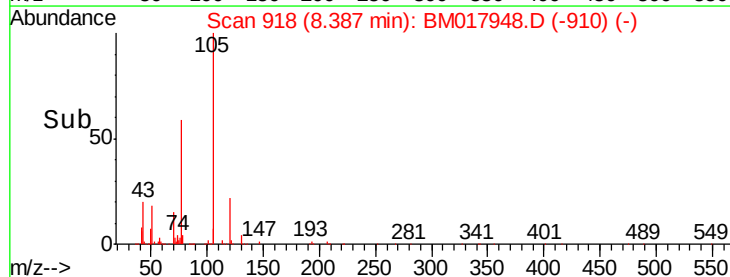
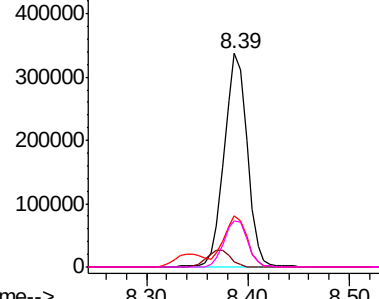
Abundance

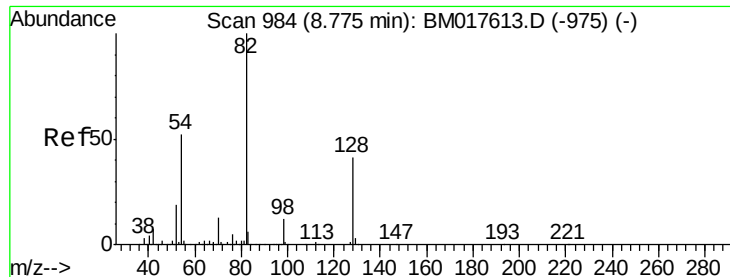
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

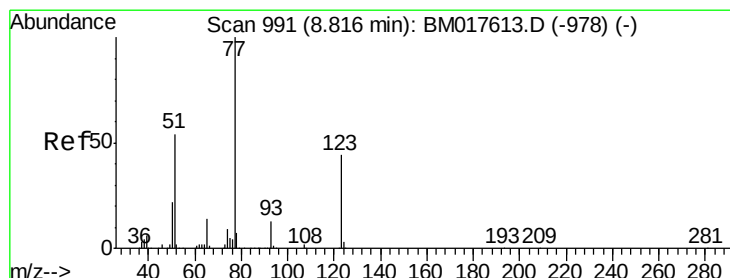
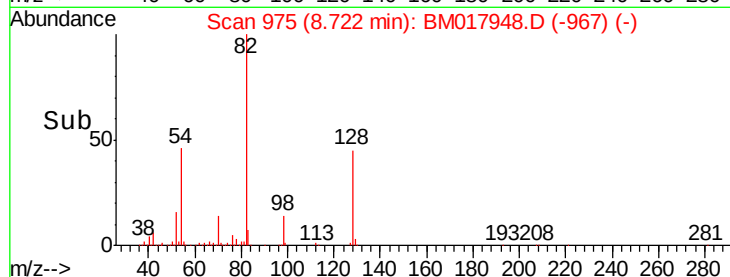
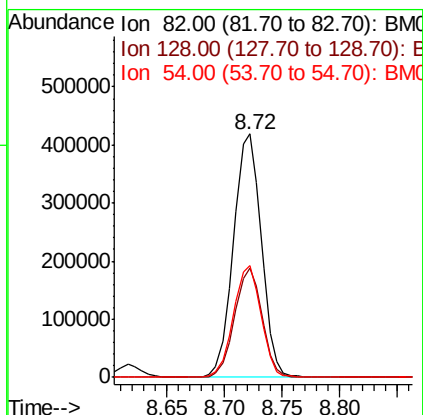
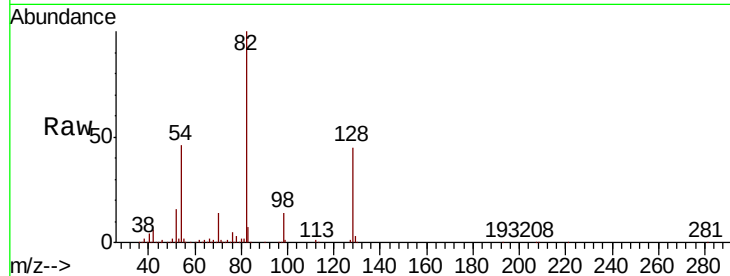




#23
 Nitrobenzene-d5
 Concen: 66.259 ng
 RT: 8.72 min Scan# 975
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

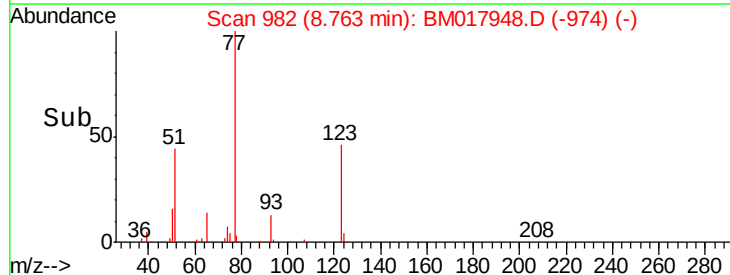
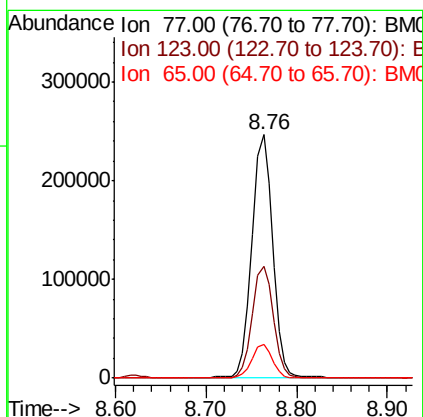
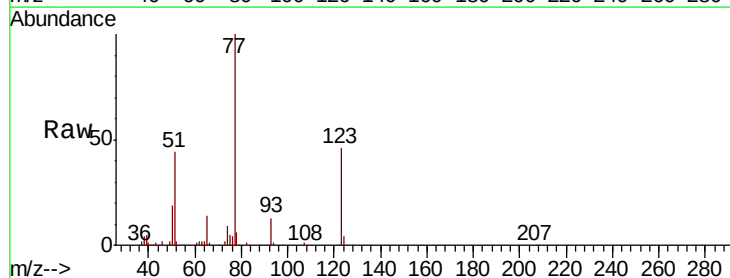
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

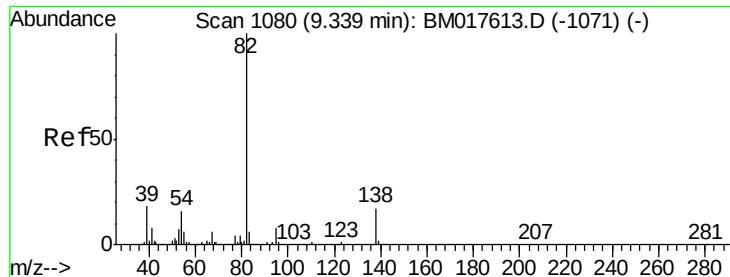
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.0	49.4
54	45.7	41.4	62.2



#24
 Nitrobenzene
 Concen: 36.533 ng
 RT: 8.76 min Scan# 982
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.1	52.7
65	13.9	11.0	16.6

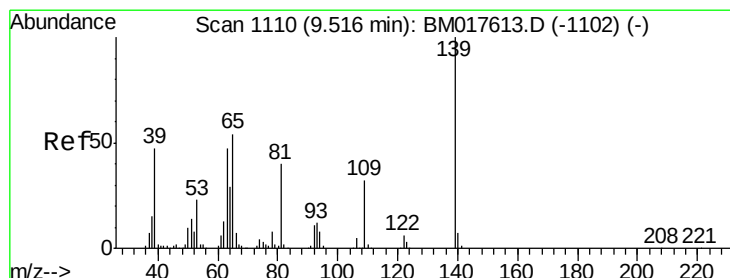
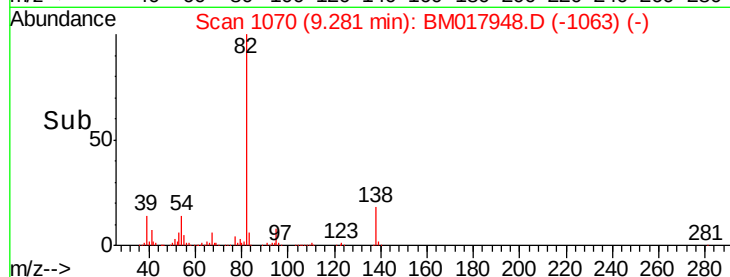
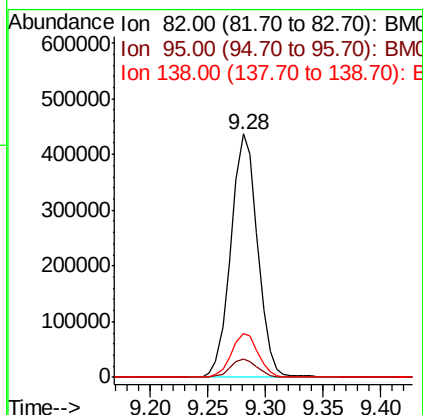
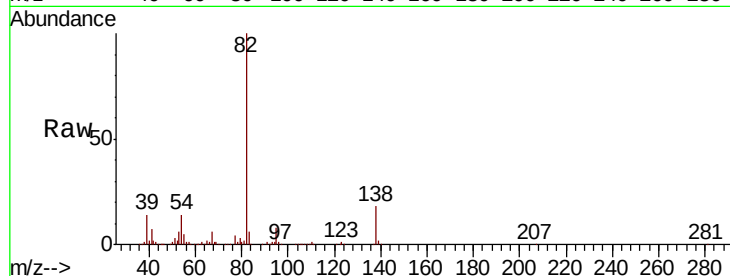




#25
Isophorone
Concen: 42.791 ng
RT: 9.28 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

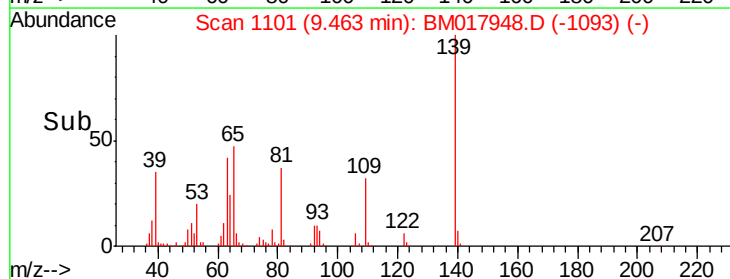
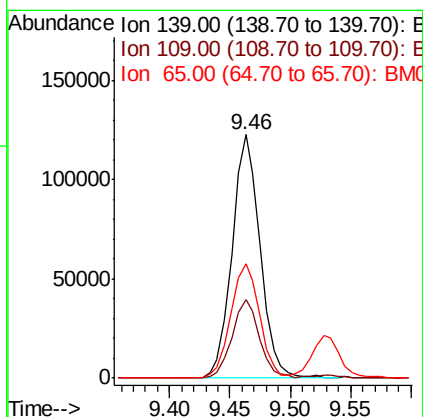
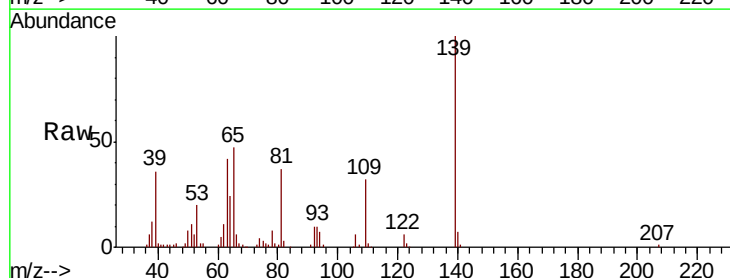
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

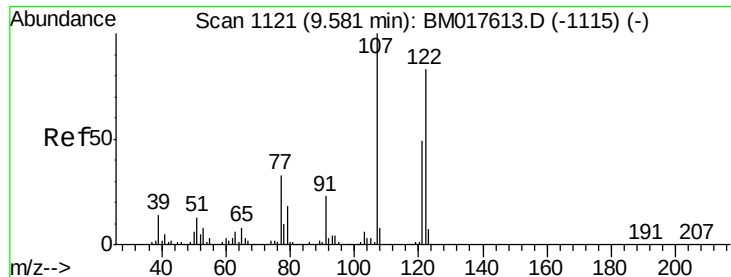
Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	18.1	13.9	20.9



#26
2-Nitrophenol
Concen: 40.050 ng
RT: 9.46 min Scan# 1101
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.3	25.9	38.9
65	47.1	43.0	64.4

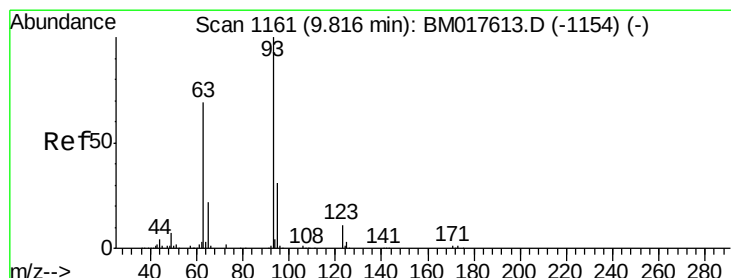
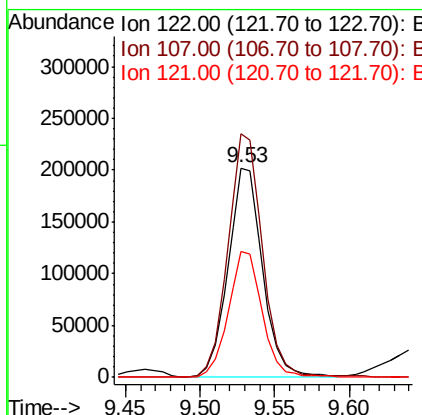
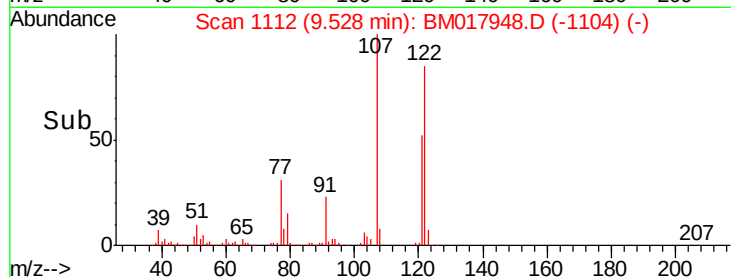
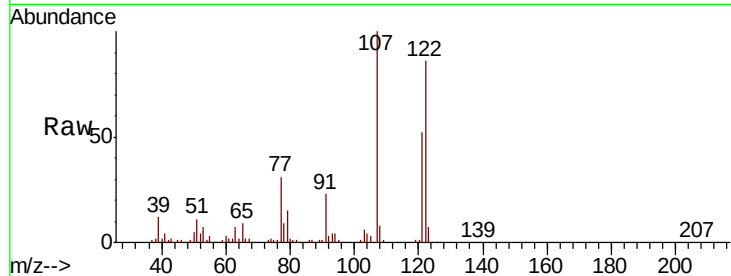




#27
 2,4-Dimethylphenol
 Concen: 45.212 ng
 RT: 9.53 min Scan# 1112
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

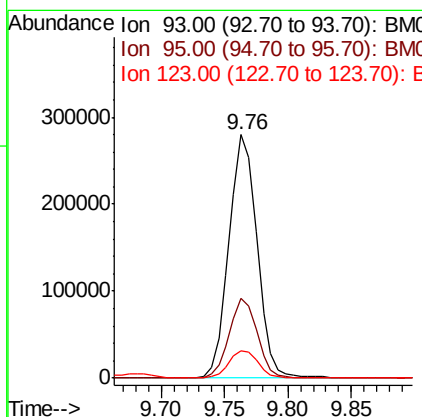
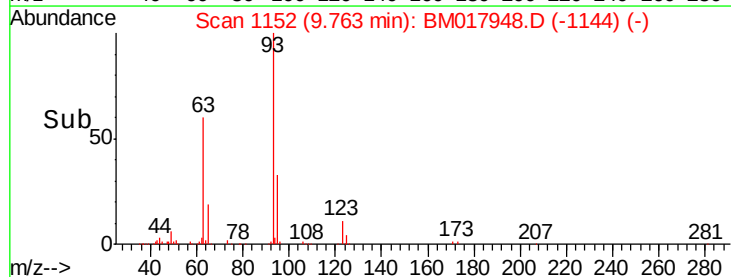
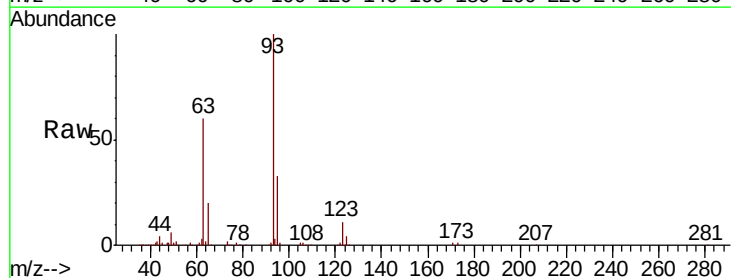
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

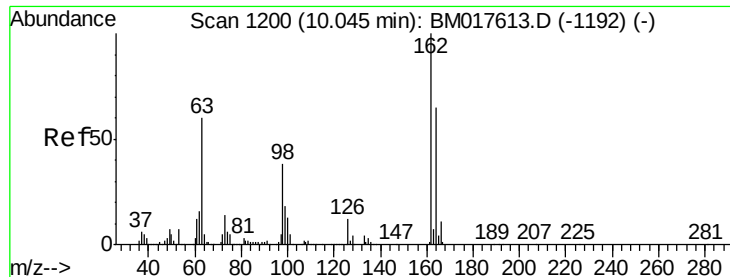
Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.2	95.8	143.8
121	60.1	47.2	70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.836 ng
 RT: 9.76 min Scan# 1152
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	24.9	37.3
123	11.1	8.7	13.1

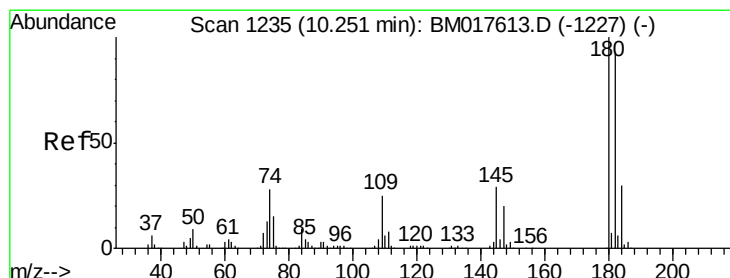
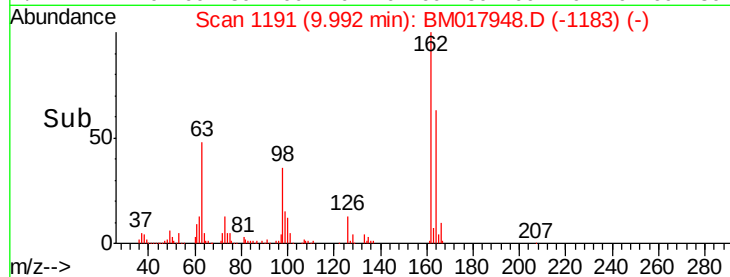
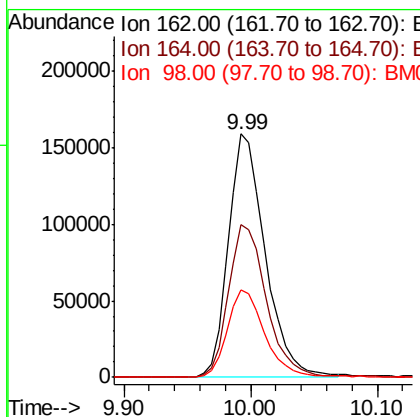
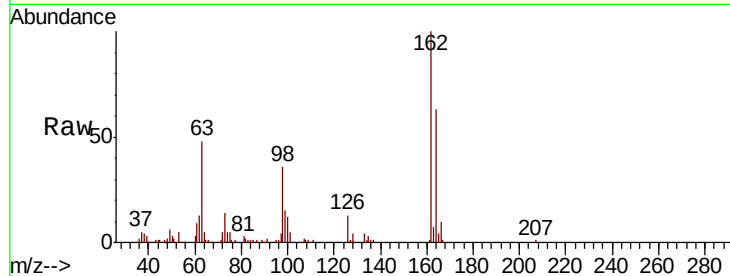




#29
 2,4-Dichlorophenol
 Concen: 38.584 ng
 RT: 9.99 min Scan# 1191
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

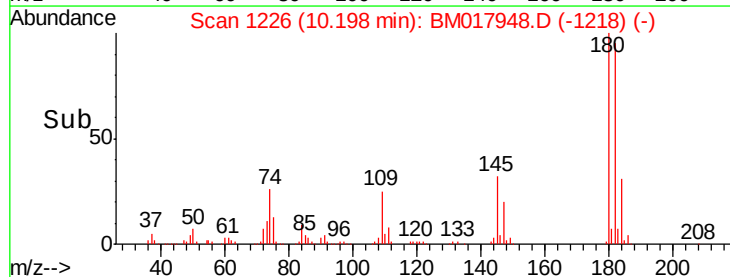
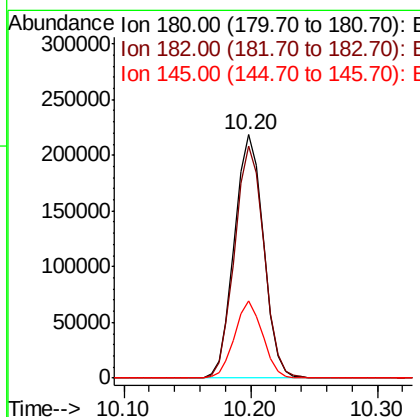
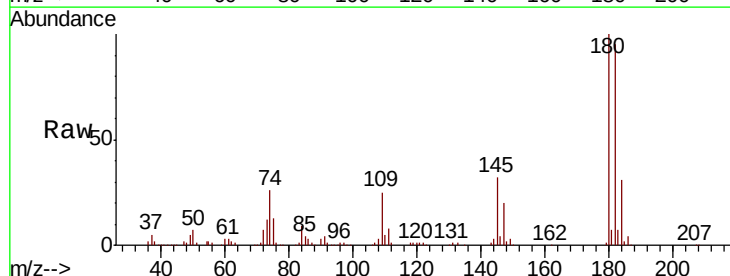
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

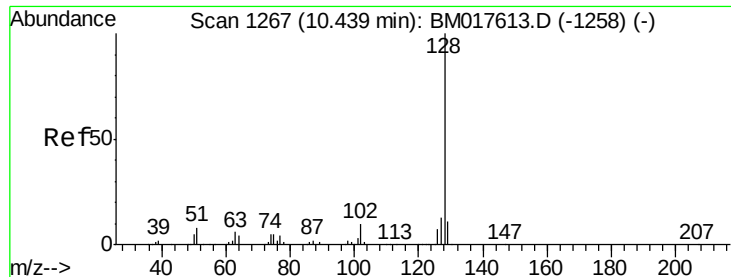
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.8	45.0	85.0
98	36.2	17.5	57.5



#30
 1,2,4-Trichlorobenzene
 Concen: 36.121 ng
 RT: 10.20 min Scan# 1226
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.4	111.6
145	31.7	23.5	35.3

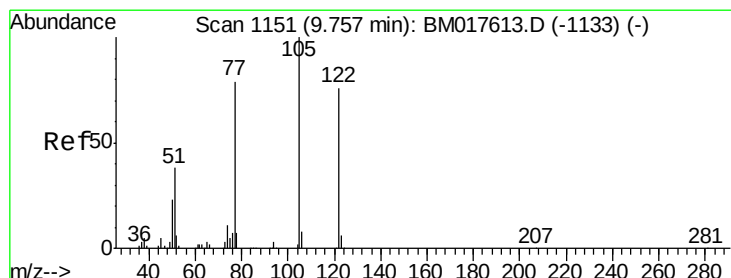
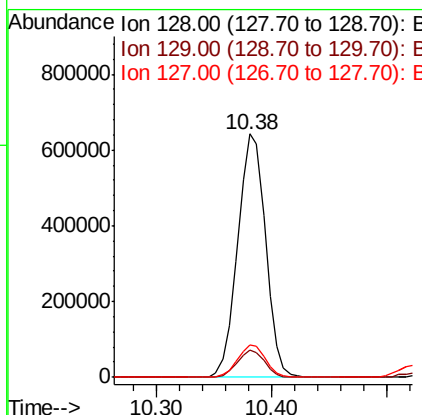
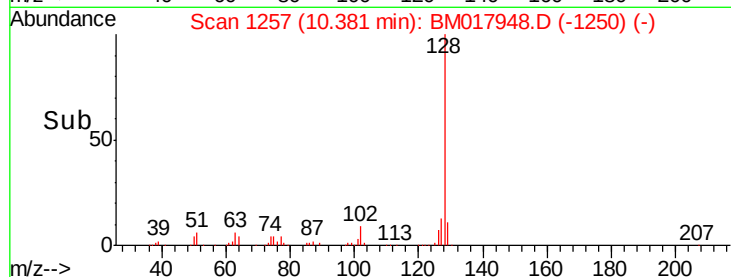
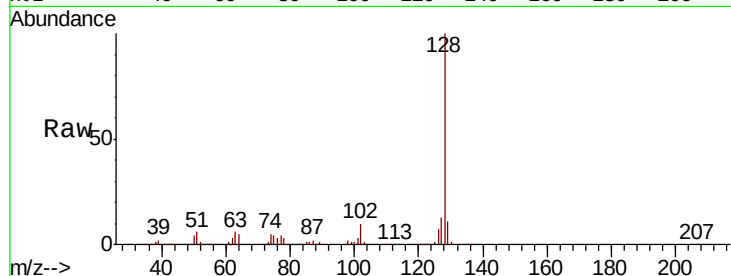




#31
Naphthalene
Concen: 39.976 ng
RT: 10.38 min Scan# 1257
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

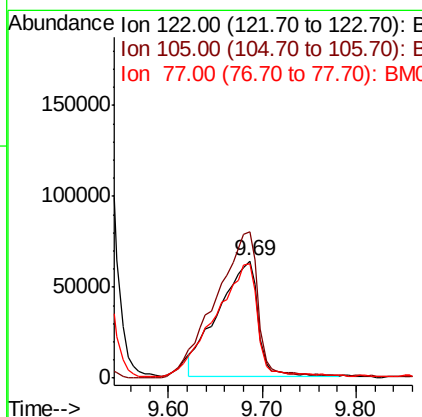
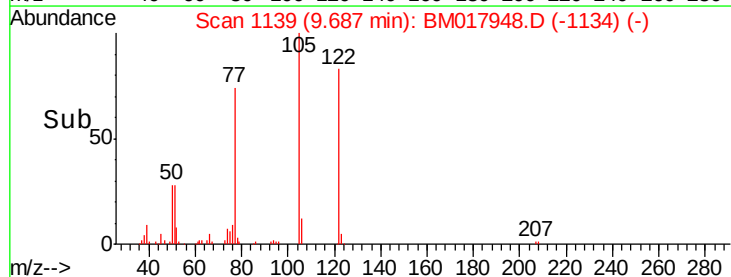
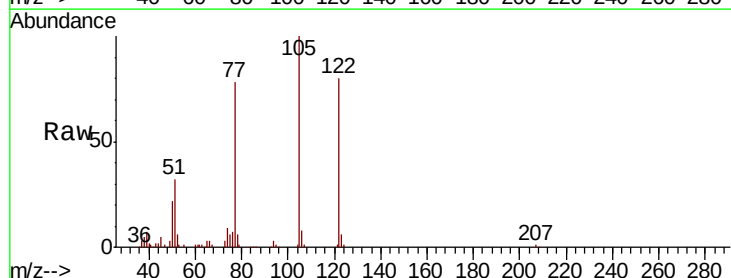
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

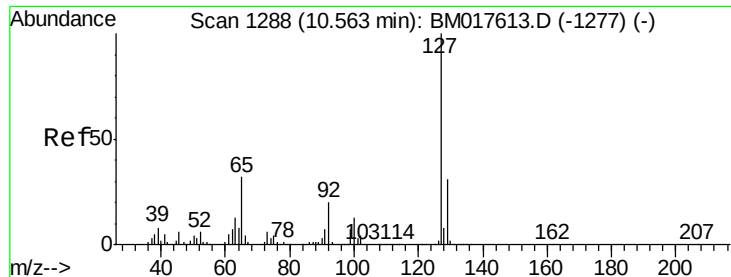
Tgt Ion:128 Resp: 1076775
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.2 10.3 15.5



#32
Benzoic acid
Concen: 28.573 ng
RT: 9.69 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:122 Resp: 184990
Ion Ratio Lower Upper
122 100
105 125.6 109.1 149.1
77 97.8 82.1 122.1

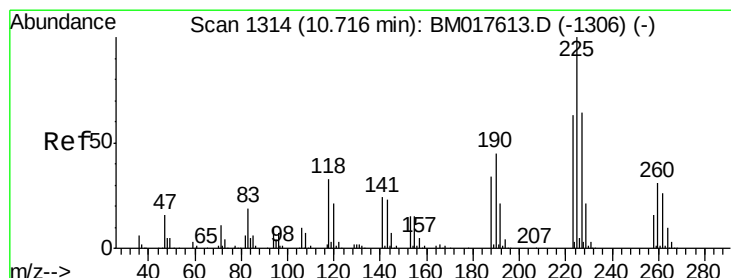
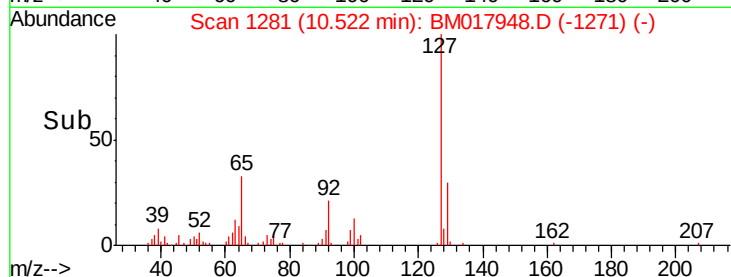
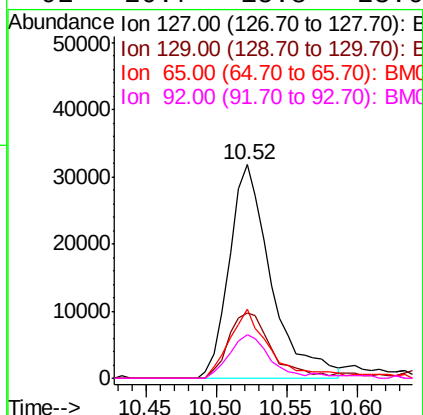
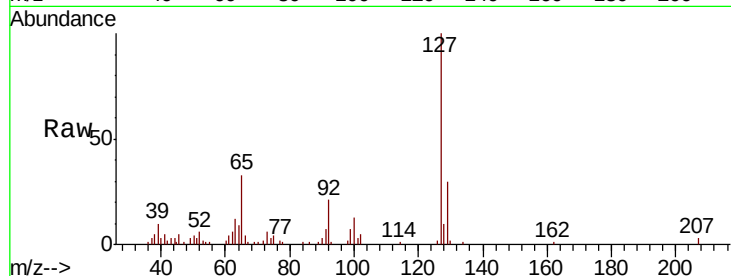




#33
4-Chloroaniline
Concen: 5.581 ng
RT: 10.52 min Scan# 1281
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

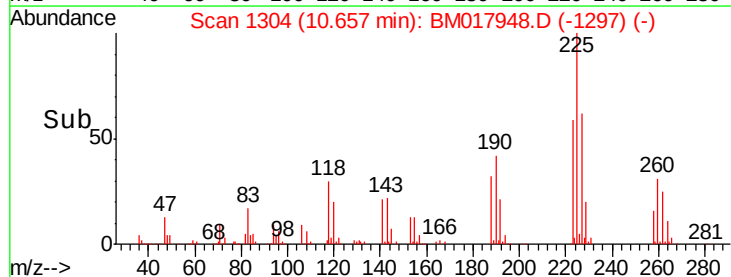
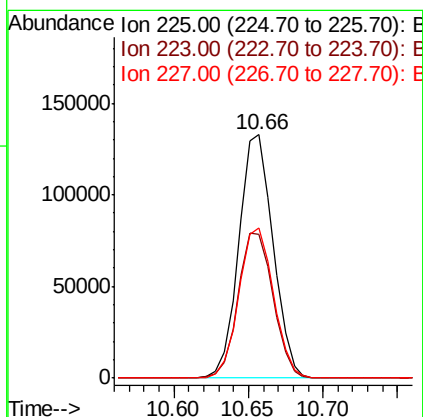
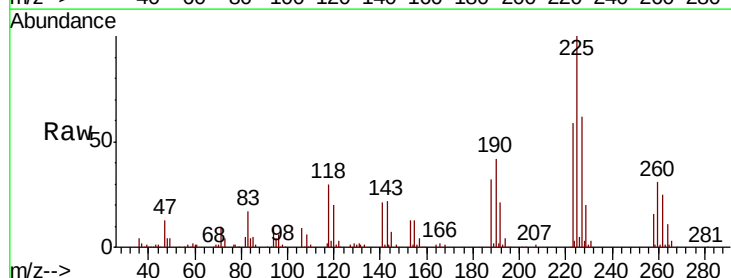
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

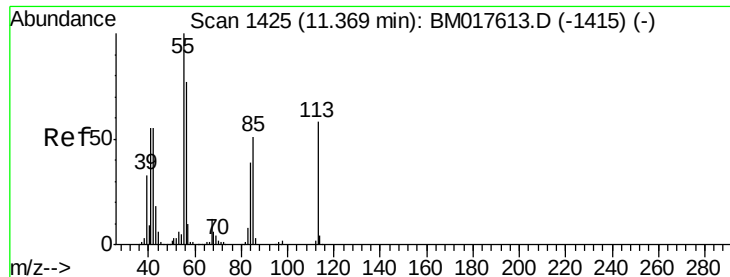
Tgt Ion:	127	Resp:	65839
Ion	Ratio	Lower	Upper
127	100		
129	30.4	25.0	37.4
65	32.7	25.8	38.8
92	20.7	15.8	23.6



#34
Hexachlorobutadiene
Concen: 35.248 ng
RT: 10.66 min Scan# 1304
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:	225	Resp:	211160
Ion	Ratio	Lower	Upper
225	100		
223	58.9	50.7	76.1
227	61.8	51.0	76.4





#35

Caprolactam

Concen: 23.324 ng

RT: 11.31 min Scan# 1415

Delta R.T. -0.06 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

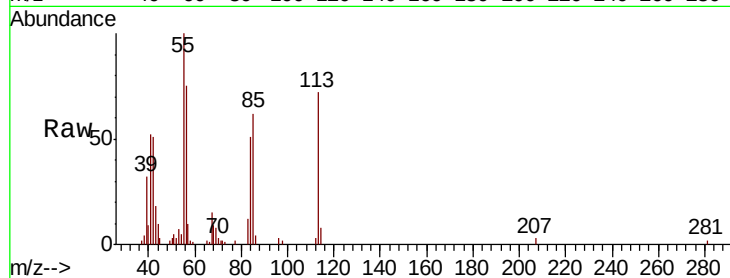
Tgt Ion:113 Resp: 71263

Ion Ratio Lower Upper

113 100

55 138.0 153.1 193.1#

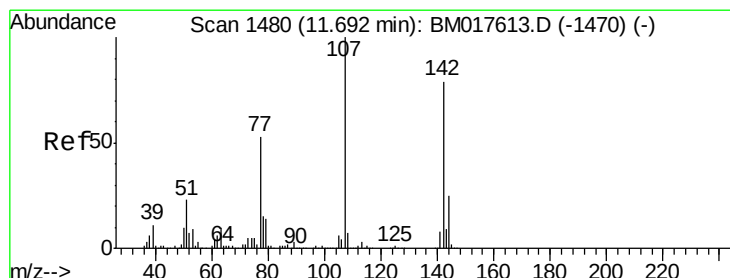
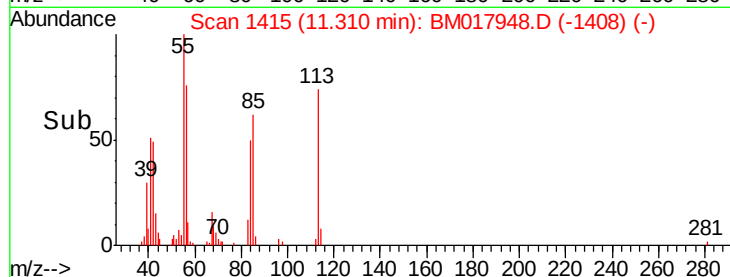
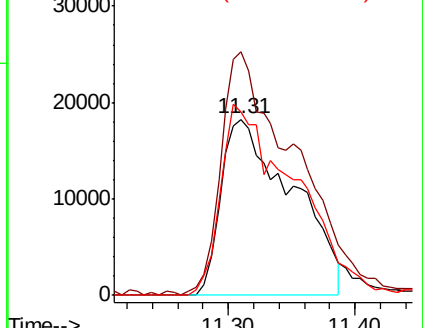
56 103.7 112.7 152.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 35.549 ng

RT: 11.65 min Scan# 1472

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

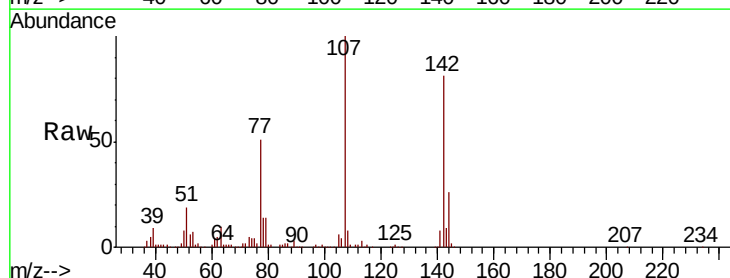
Tgt Ion:107 Resp: 340530

Ion Ratio Lower Upper

107 100

144 26.0 19.9 29.9

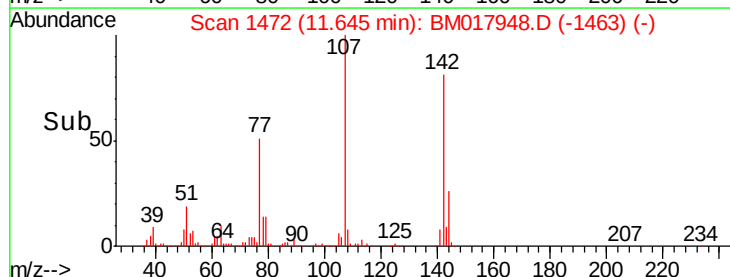
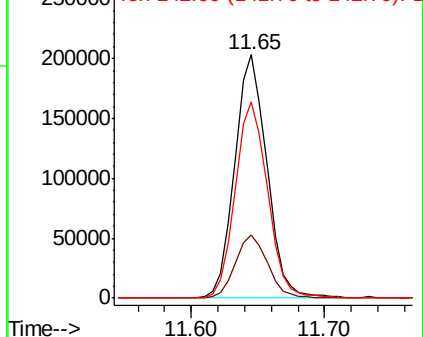
142 80.6 63.0 94.4

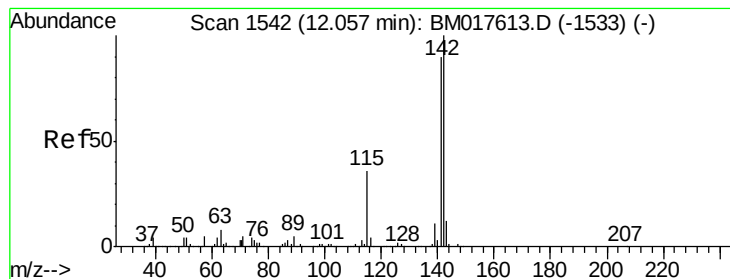


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 40.859 ng

RT: 12.00 min Scan# 1533

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

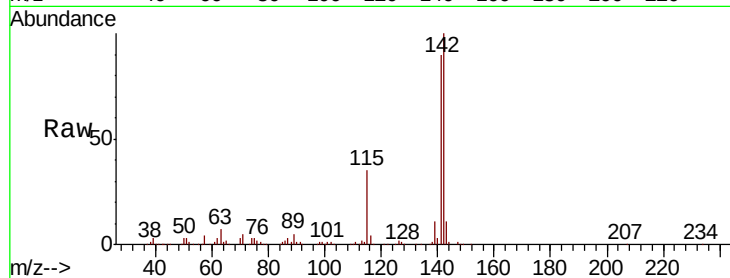
Tgt Ion:142 Resp: 777831

Ion Ratio Lower Upper

142 100

141 89.8 72.2 108.4

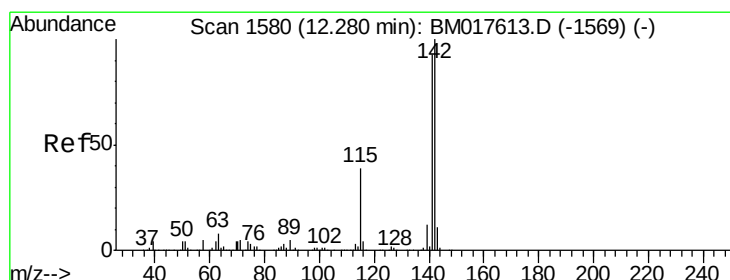
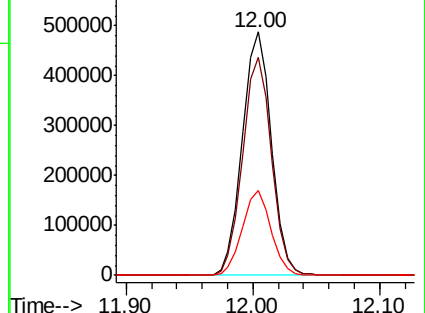
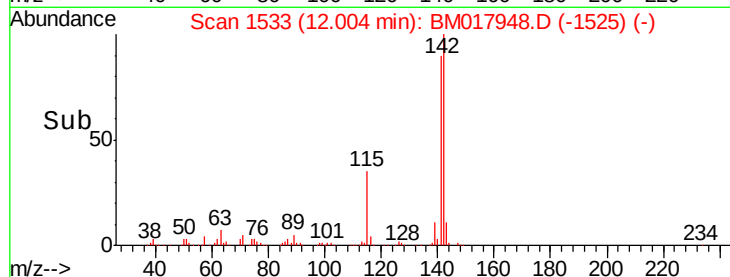
115 34.7 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 39.583 ng

RT: 12.23 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

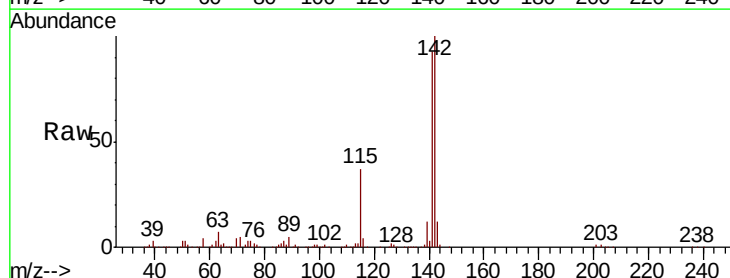
Tgt Ion:142 Resp: 738854

Ion Ratio Lower Upper

142 100

141 93.2 74.2 111.4

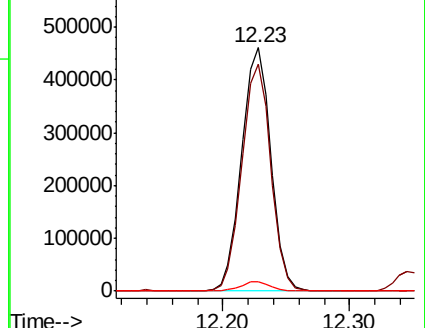
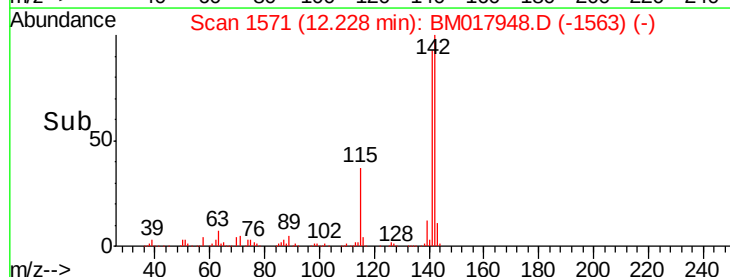
116 3.8 3.1 4.7

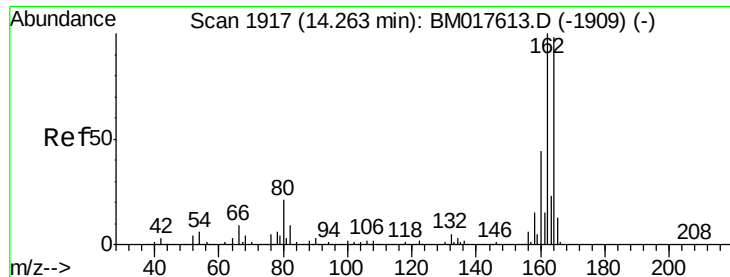


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1909

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

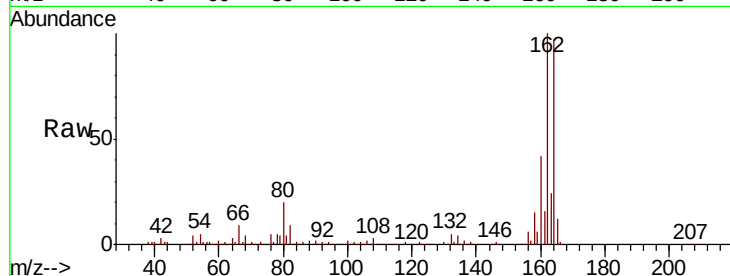
Tgt Ion:164 Resp: 279939

Ion Ratio Lower Upper

164 100

162 103.2 81.4 122.0

160 43.8 35.6 53.4

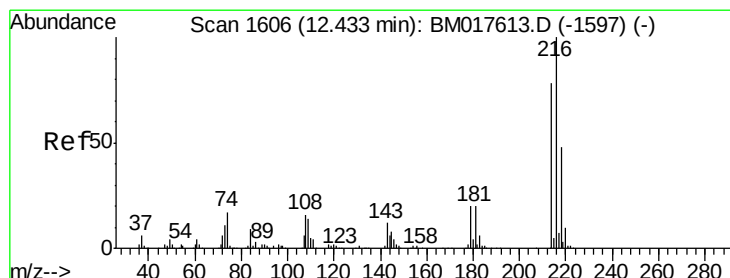
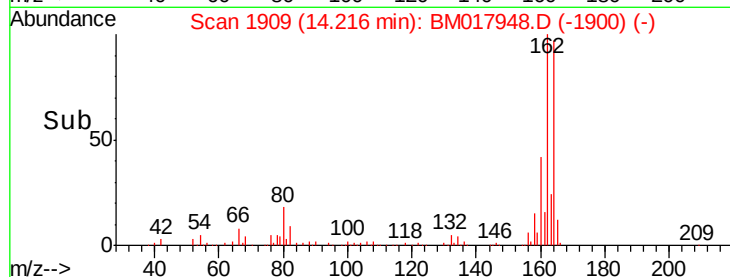
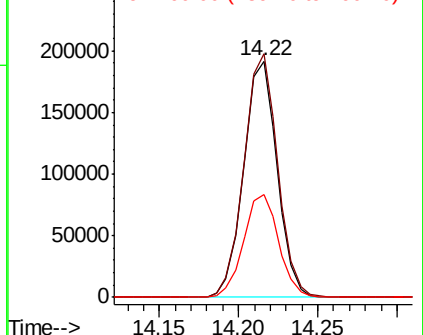


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.882 ng

RT: 12.38 min Scan# 1597

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:216 Resp: 393689

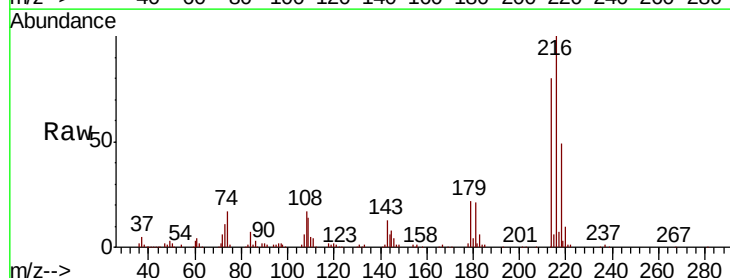
Ion Ratio Lower Upper

216 100

214 79.3 62.5 93.7

179 21.5 16.8 25.2

108 20.3 14.6 22.0



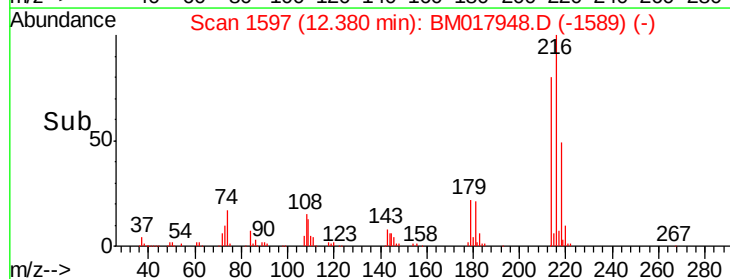
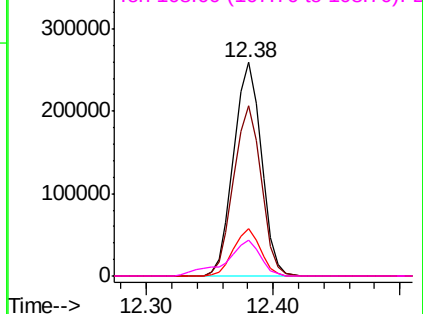
Abundance

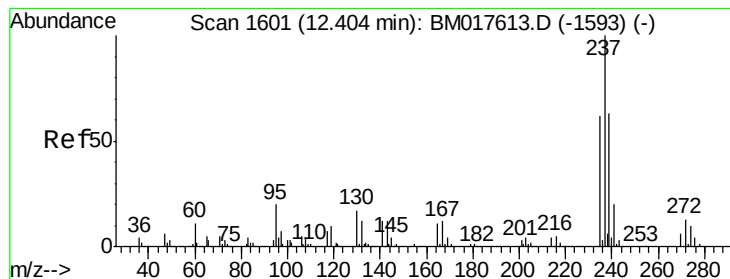
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 95.836 ng

RT: 12.35 min Scan# 1592

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

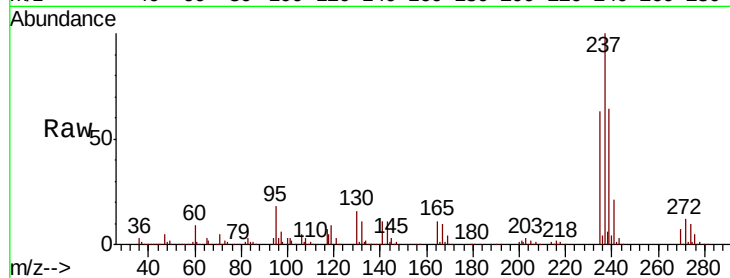
Tgt Ion: 237 Resp: 488846

Ion Ratio Lower Upper

237 100

235 62.8 42.2 82.2

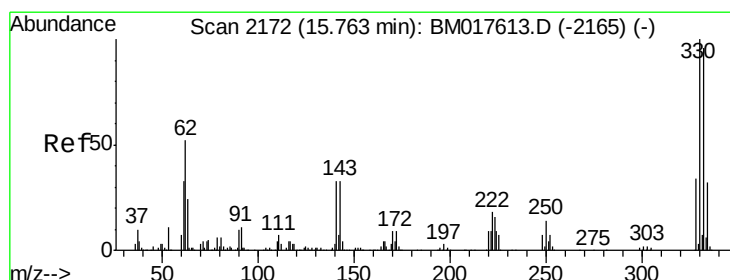
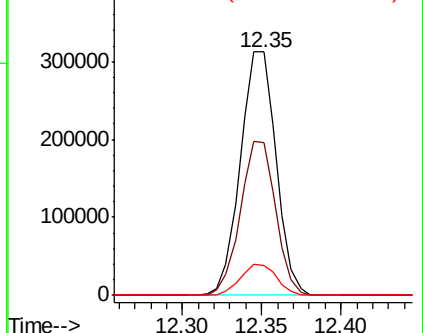
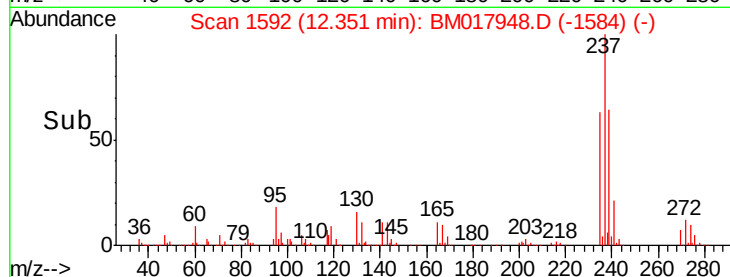
272 12.4 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 106.053 ng

RT: 15.72 min Scan# 2164

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

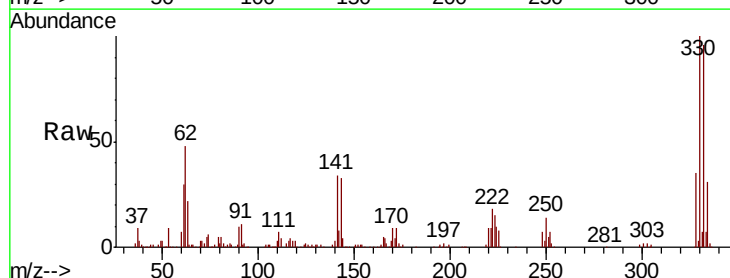
Tgt Ion: 330 Resp: 426580

Ion Ratio Lower Upper

330 100

332 96.7 77.9 116.9

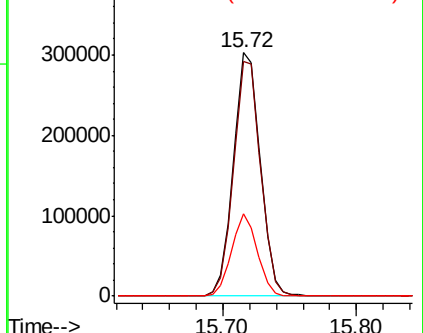
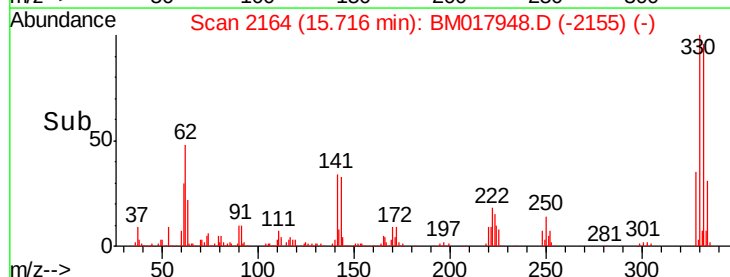
141 32.2 27.5 41.3

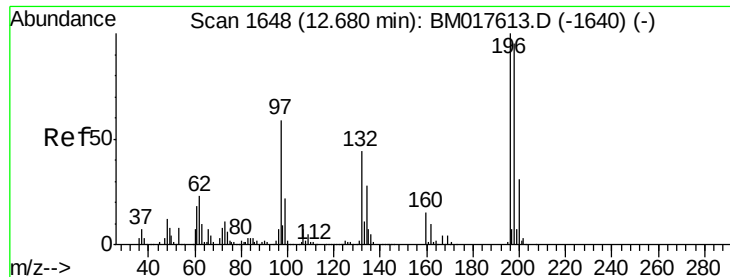


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

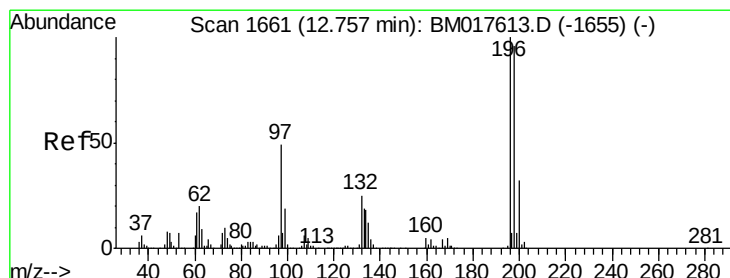
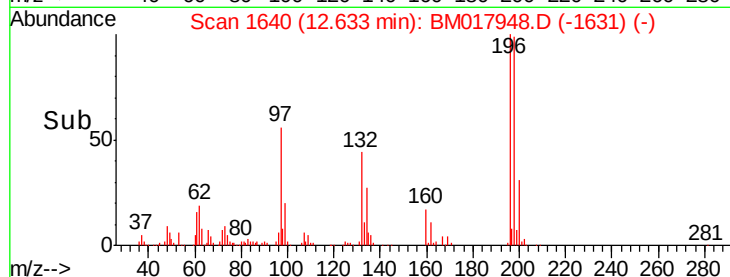
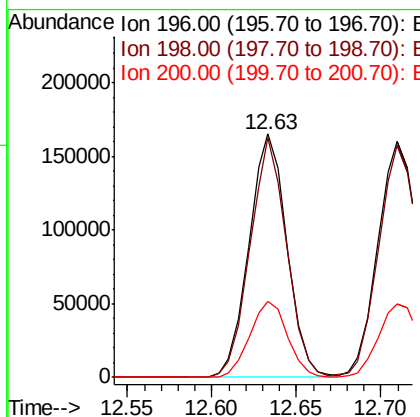
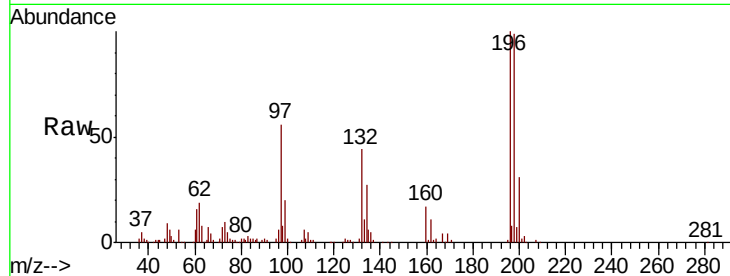




#43
 2,4,6-Trichlorophenol
 Concen: 41.578 ng
 RT: 12.63 min Scan# 1640
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

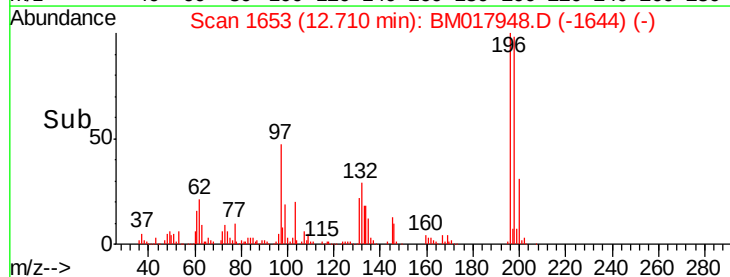
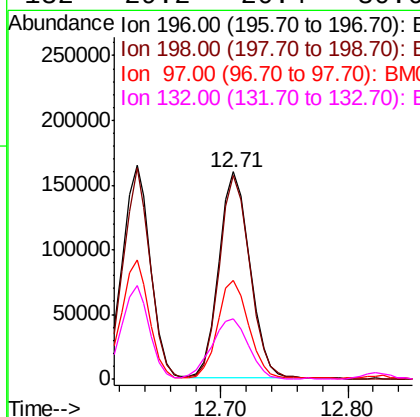
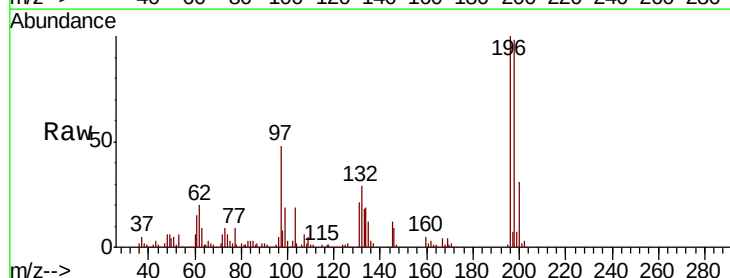
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

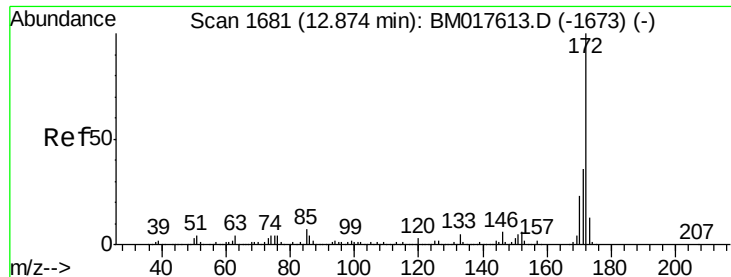
Tgt Ion:196 Resp: 257082
 Ion Ratio Lower Upper
 196 100
 198 98.7 75.6 113.4
 200 31.4 24.8 37.2



#44
 2,4,5-Trichlorophenol
 Concen: 41.625 ng
 RT: 12.71 min Scan# 1653
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:196 Resp: 271753
 Ion Ratio Lower Upper
 196 100
 198 98.1 76.8 115.2
 97 47.7 39.0 58.6
 132 29.2 20.4 30.6

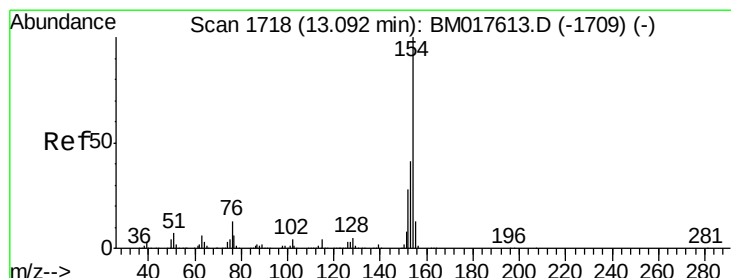
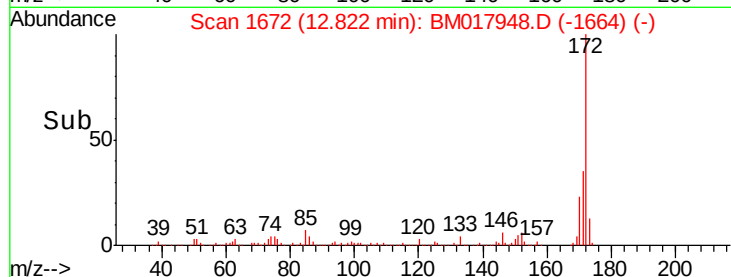
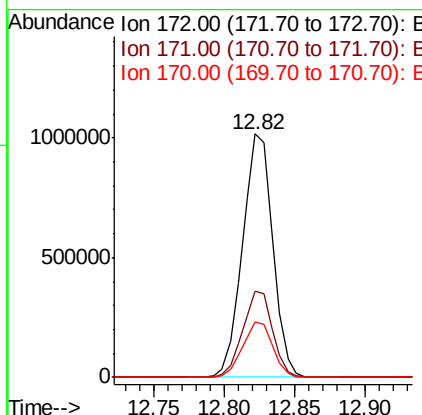
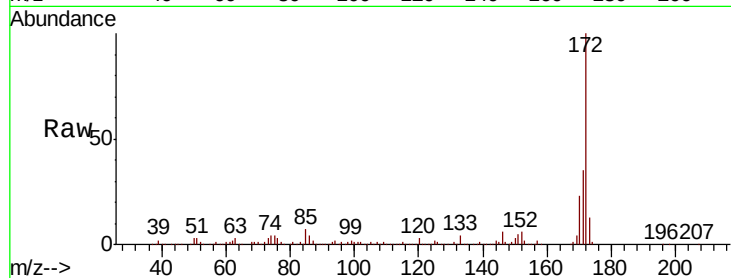




#45
 2-Fluorobiphenyl
 Concen: 70.628 ng
 RT: 12.82 min Scan# 1672
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

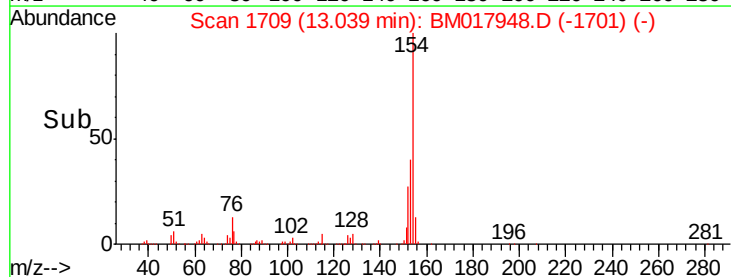
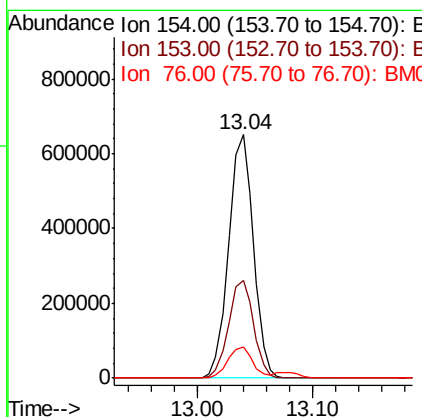
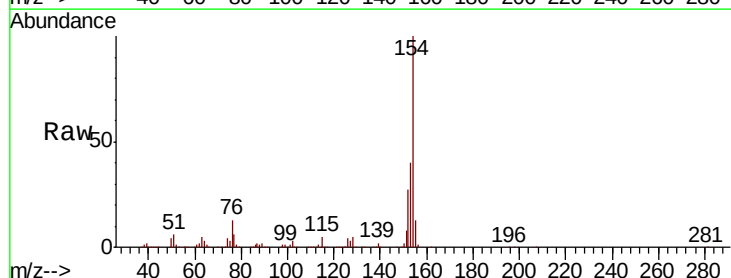
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

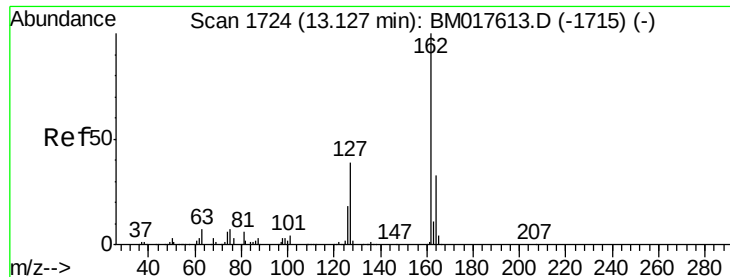
Tgt Ion:172 Resp: 1524012
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.7 43.1
 170 23.0 18.3 27.5



#46
 1,1'-Biphenyl
 Concen: 38.326 ng
 RT: 13.04 min Scan# 1709
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:154 Resp: 963034
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.8 60.8
 76 12.9 0.0 32.8

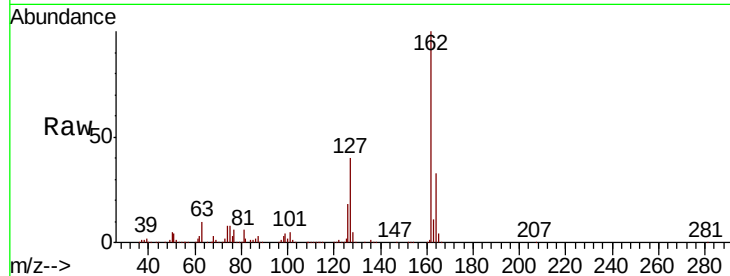




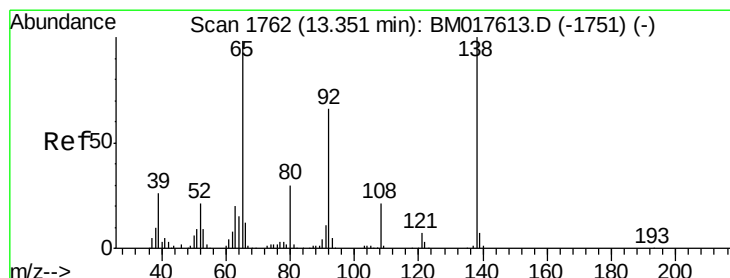
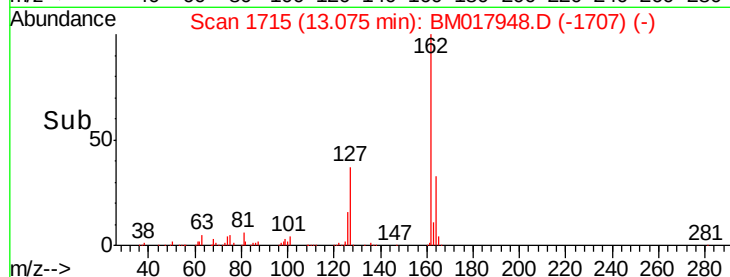
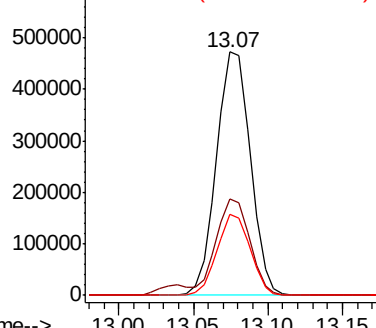
#47
 2-Chloronaphthalene
 Concen: 39.907 ng
 RT: 13.07 min Scan# 1715
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.6	48.8
164	33.2	26.5	39.7

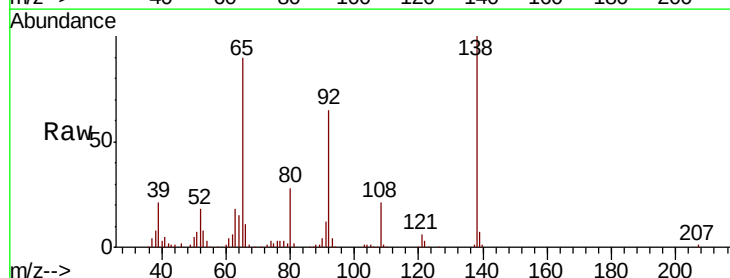


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

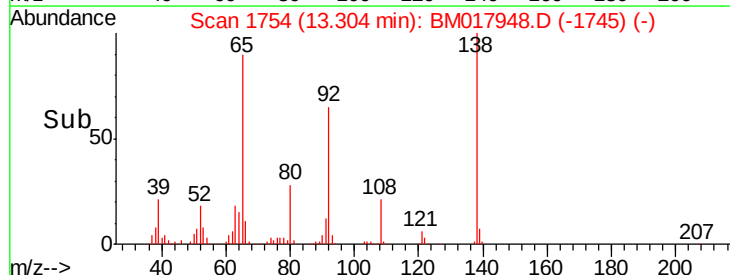
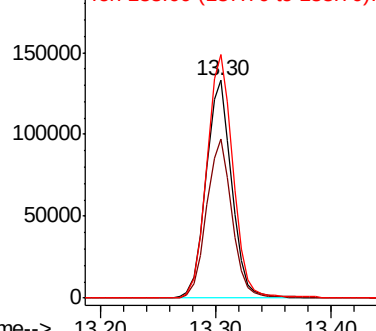


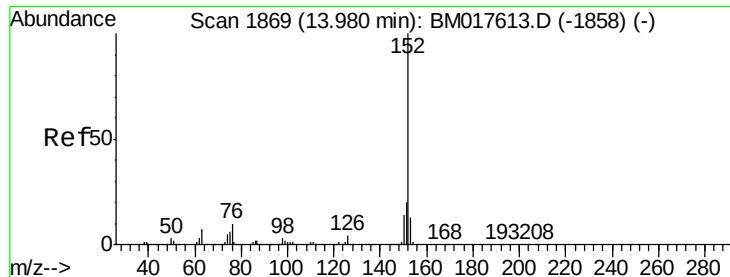
#48
 2-Nitroaniline
 Concen: 35.591 ng
 RT: 13.30 min Scan# 1754
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.8	53.7	80.5
138	111.7	81.5	122.3



Abundance Ion 65.00 (64.70 to 65.70): BM0
 Ion 92.00 (91.70 to 92.70): BM0
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.051 ng

RT: 13.93 min Scan# 1861

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampled :

RO-331MSD

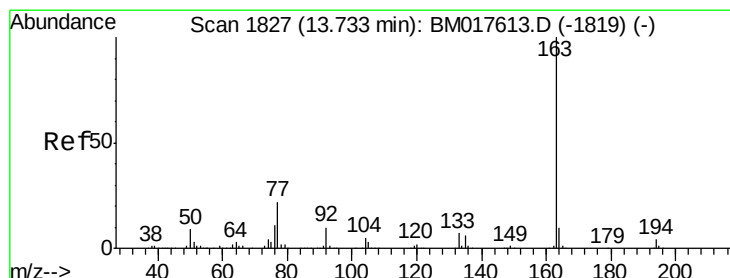
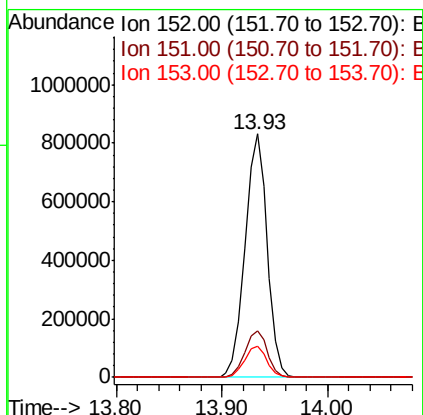
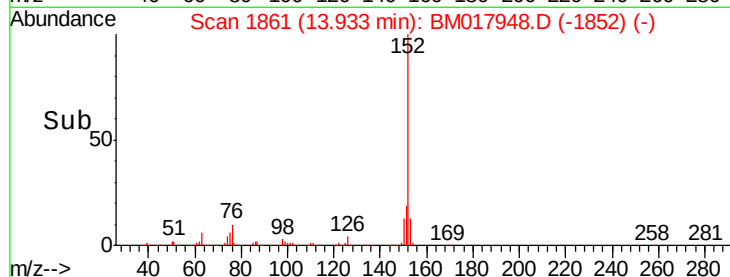
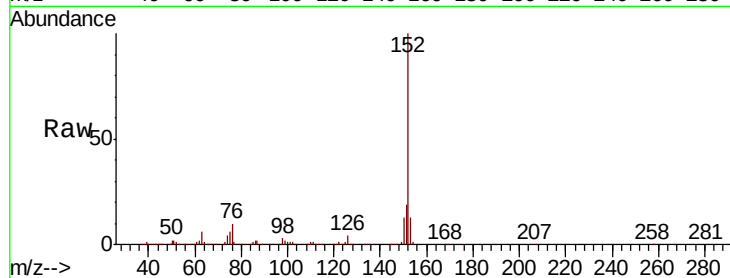
Tgt Ion:152 Resp: 1206382

Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

153 13.0 10.5 15.7



#50

Dimethylphthalate

Concen: 39.560 ng

RT: 13.69 min Scan# 1819

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

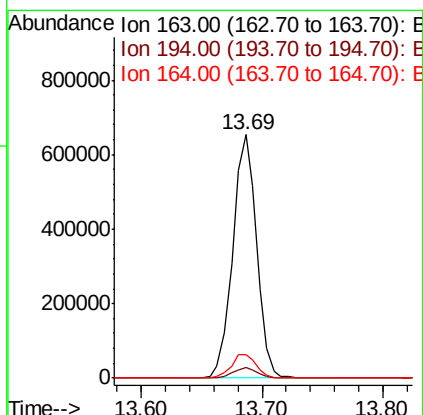
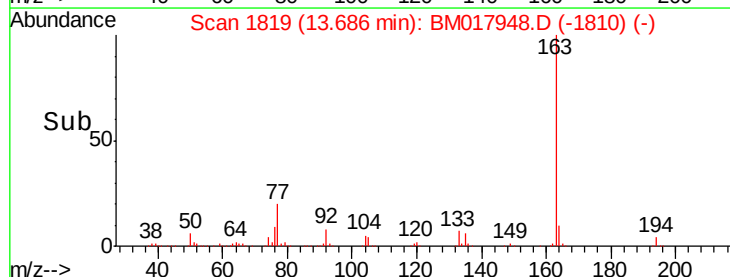
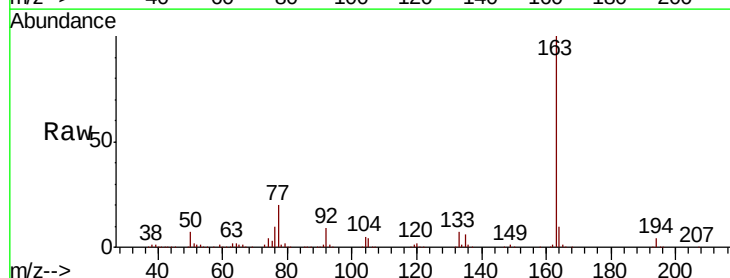
Tgt Ion:163 Resp: 900393

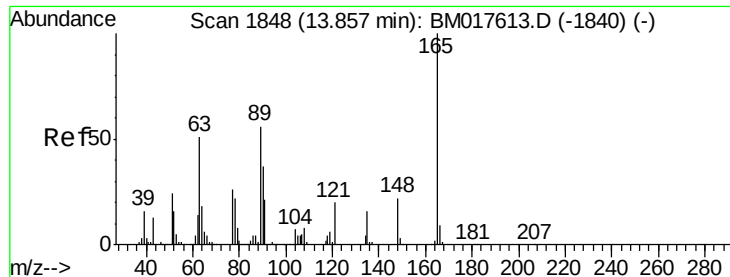
Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

164 9.8 8.2 12.4

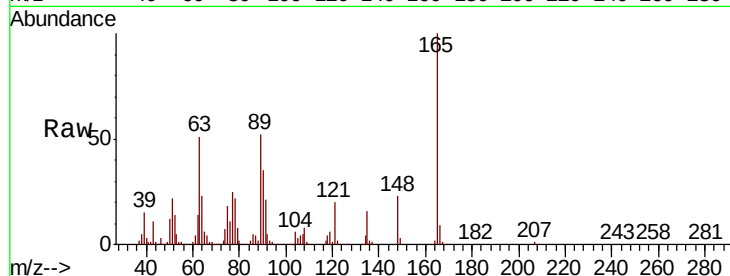




#51
2,6-Dinitrotoluene
Concen: 39.894 ng
RT: 13.81 min Scan# 1840
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.6	47.3	70.9
89	51.9	44.8	67.2

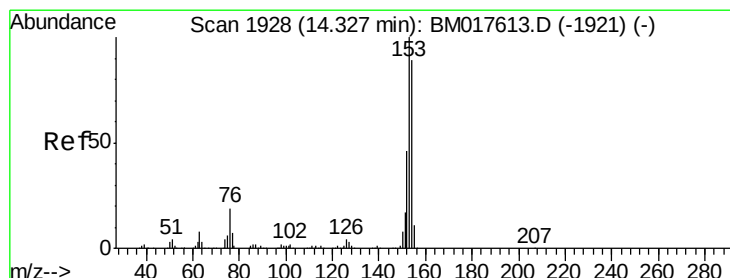
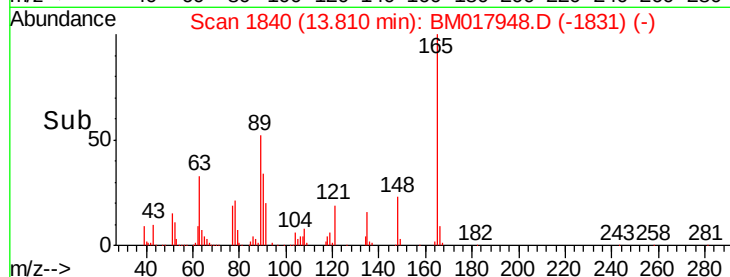
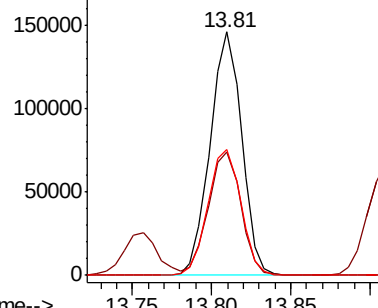


Abundance

Ion 165.00 (164.70 to 165.70): E

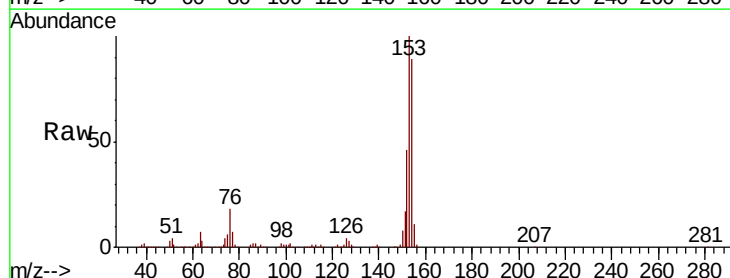
Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#52
Acenaphthene
Concen: 40.395 ng
RT: 14.28 min Scan# 1920
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.2	135.4
152	51.2	41.6	62.4

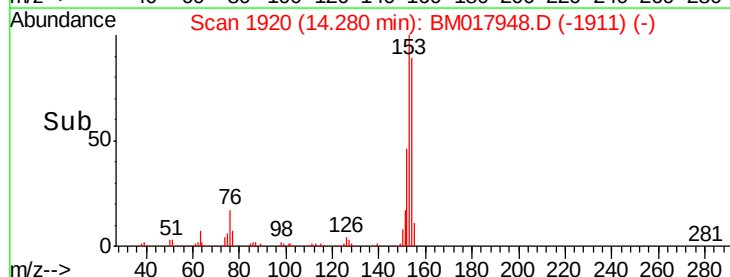
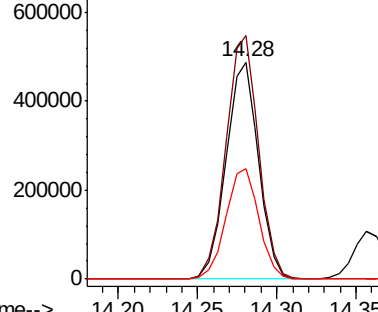


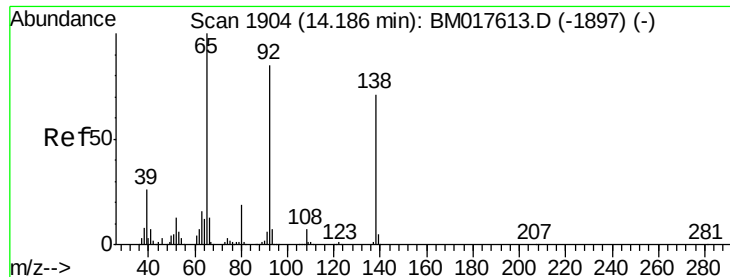
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

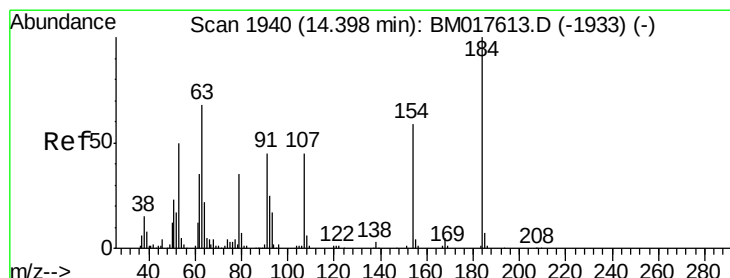
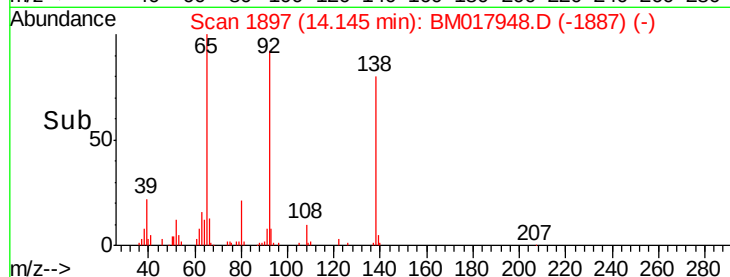
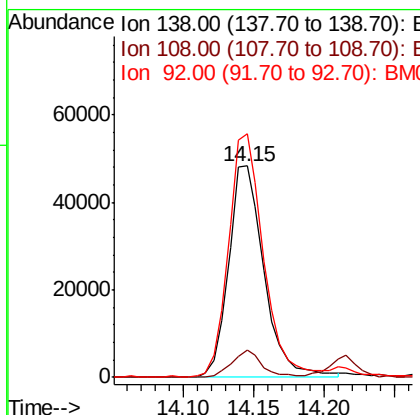
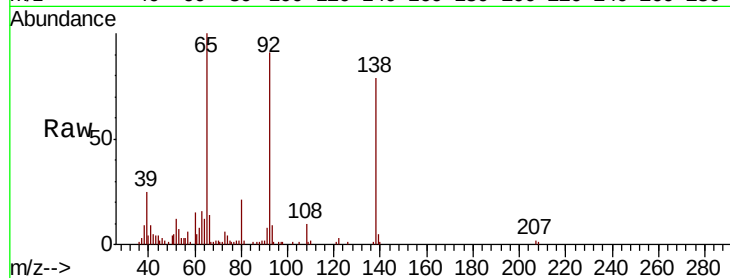




#53
 3-Nitroaniline
 Concen: 15.362 ng
 RT: 14.15 min Scan# 1897
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

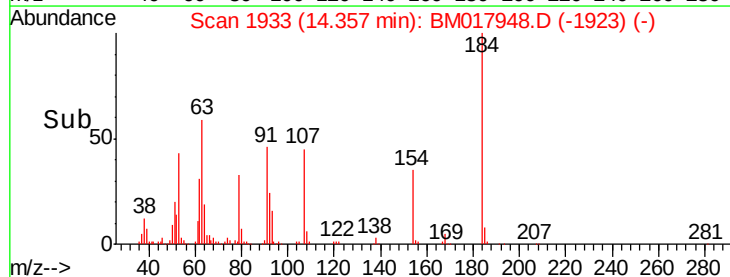
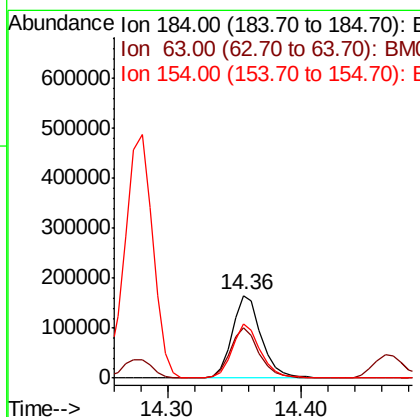
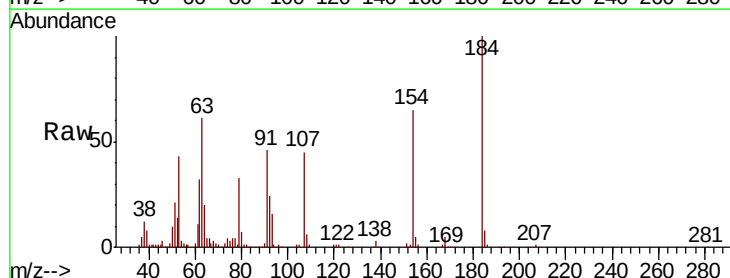
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

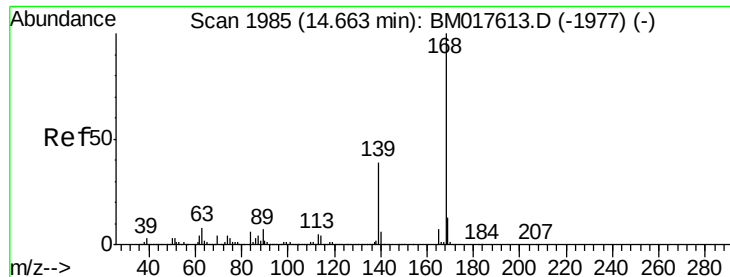
Tgt Ion:138 Resp: 84765
 Ion Ratio Lower Upper
 138 100
 108 12.9 8.2 12.2#
 92 115.3 95.4 143.2



#54
 2,4-Dinitrophenol
 Concen: 81.320 ng
 RT: 14.36 min Scan# 1933
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:184 Resp: 252017
 Ion Ratio Lower Upper
 184 100
 63 61.3 55.1 82.7
 154 64.9 51.3 76.9





#55

Dibenzofuran

Concen: 39.469 ng

RT: 14.62 min Scan# 1977

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

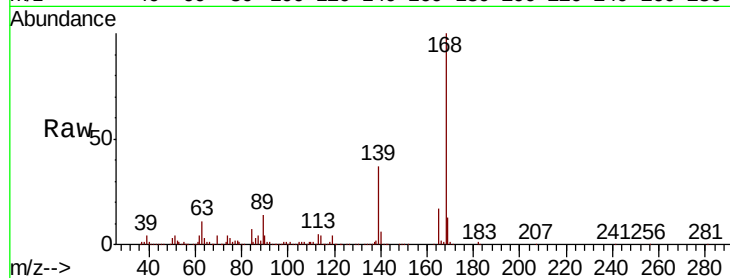
Tgt Ion:168 Resp: 1109228

Ion Ratio Lower Upper

168 100

139 37.1 31.0 46.6

169 13.4 10.6 16.0

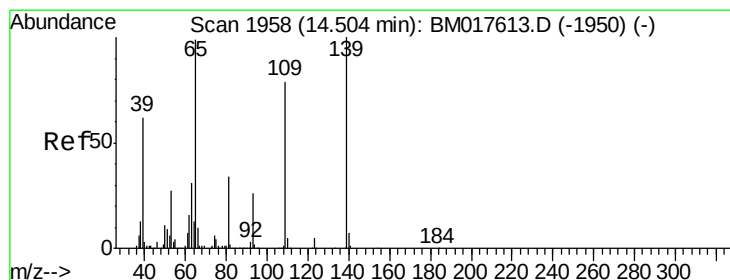
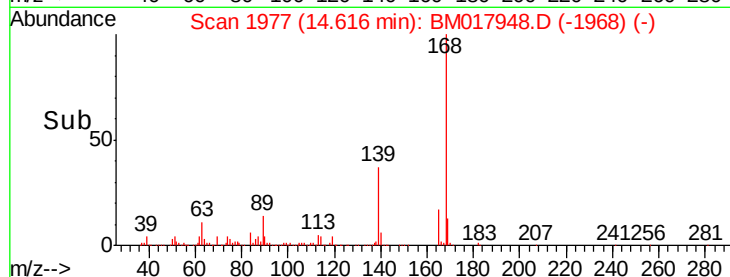
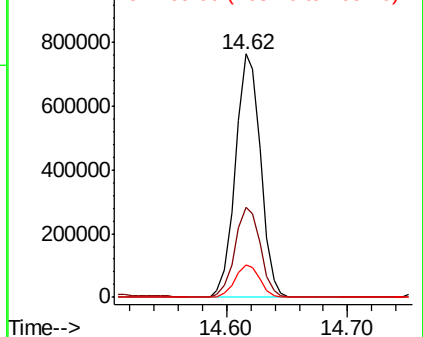


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 63.381 ng

RT: 14.47 min Scan# 1952

Delta R.T. -0.03 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

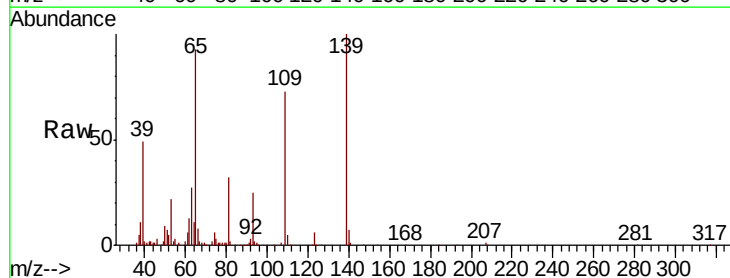
Tgt Ion:139 Resp: 288876

Ion Ratio Lower Upper

139 100

109 73.1 58.6 98.6

65 92.6 79.5 119.5

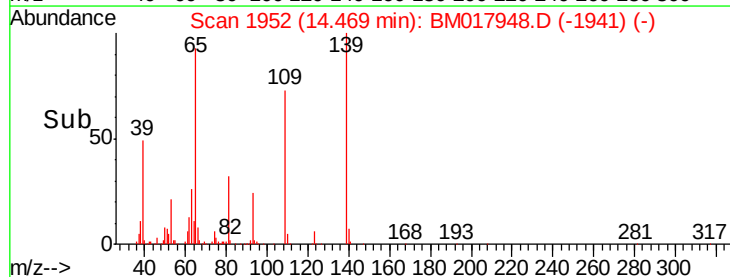
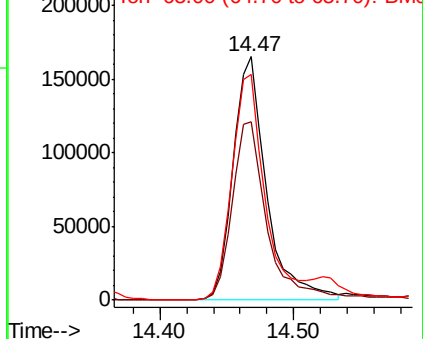


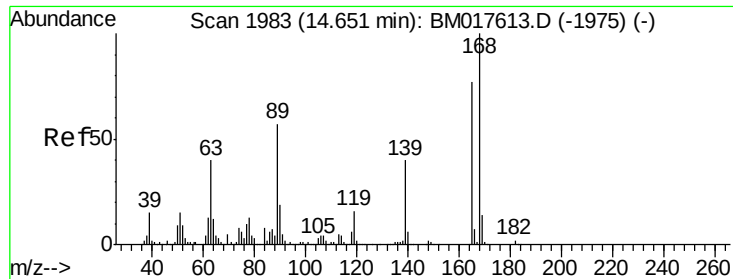
Abundance

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

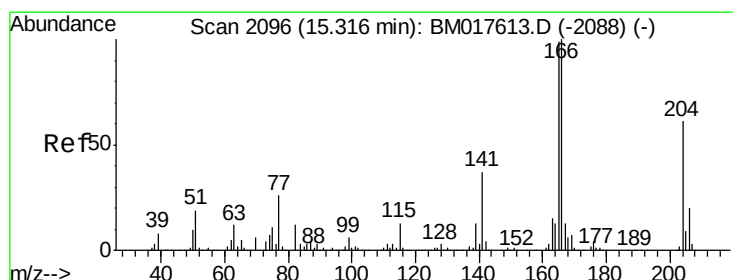
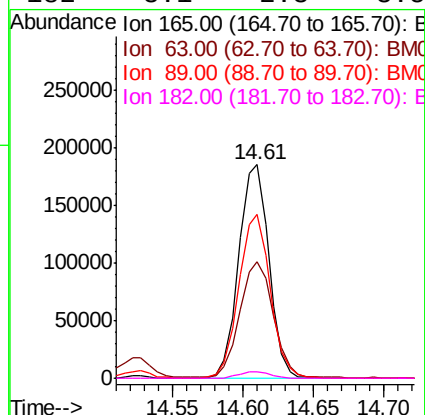
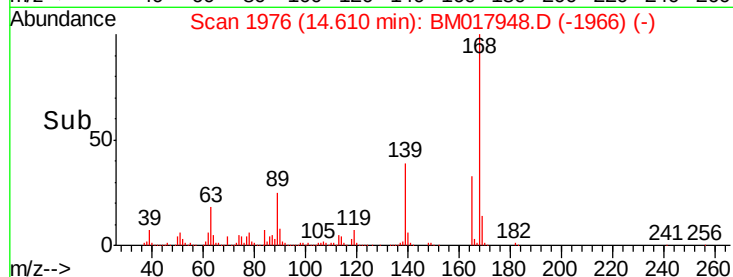
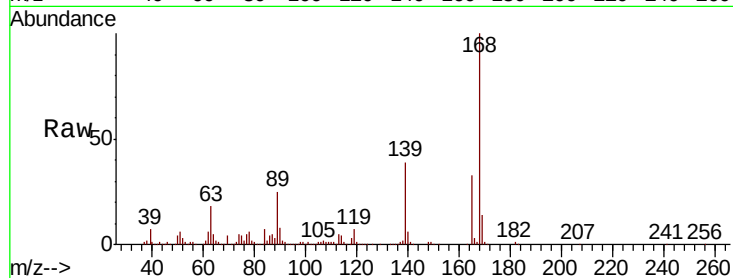




#57
2,4-Dinitrotoluene
Concen: 40.550 ng
RT: 14.61 min Scan# 1976
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

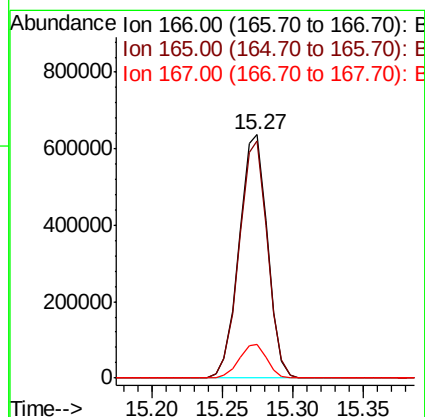
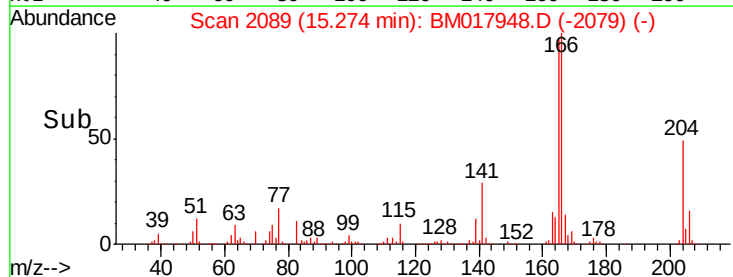
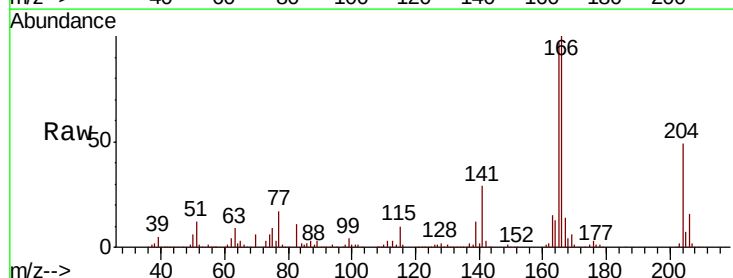
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

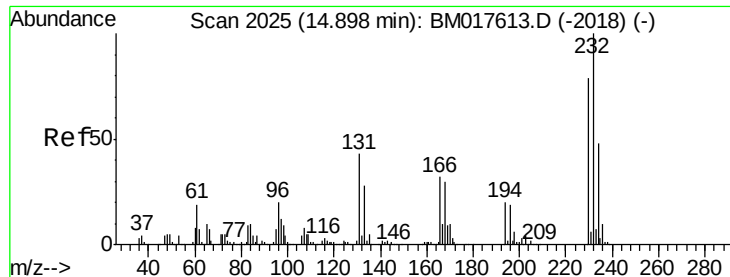
Tgt Ion:165 Resp: 277023
Ion Ratio Lower Upper
165 100
63 54.7 41.8 62.8
89 76.5 59.5 89.3
182 3.1 2.3 3.5



#58
Fluorene
Concen: 41.339 ng
RT: 15.27 min Scan# 2089
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:166 Resp: 889406
Ion Ratio Lower Upper
166 100
165 97.5 79.0 118.6
167 14.0 10.8 16.2

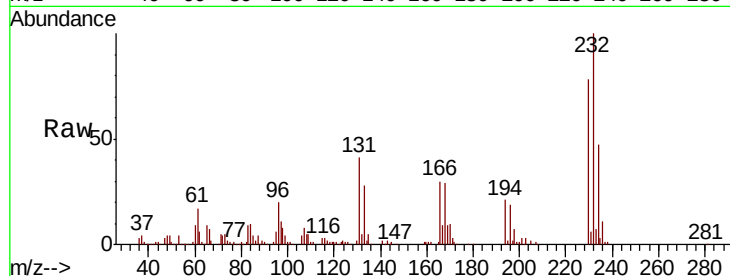




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.344 ng
RT: 14.85 min Scan# 2017
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.3	34.8	52.2
130	2.2	1.9	2.9
166	31.2	25.3	37.9



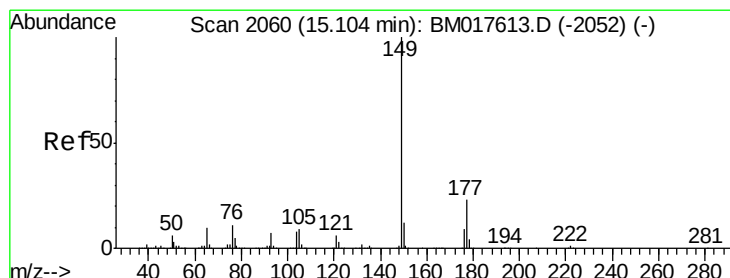
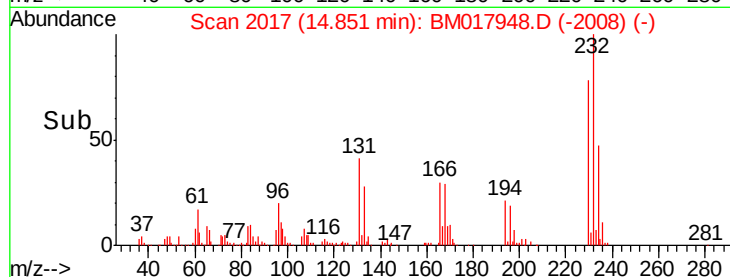
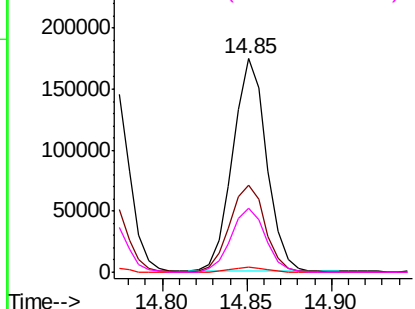
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

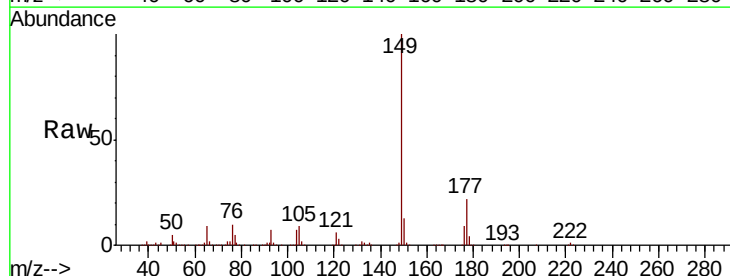
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 36.818 ng
RT: 15.06 min Scan# 2052
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.1	27.1
150	12.5	9.9	14.9

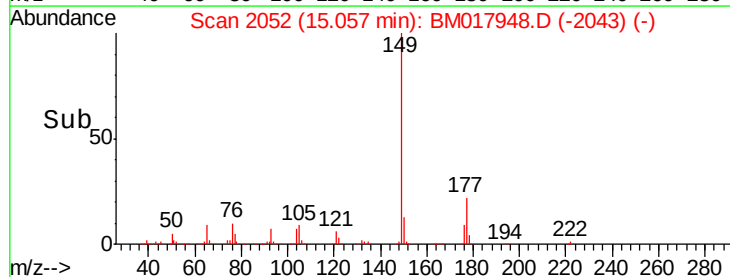
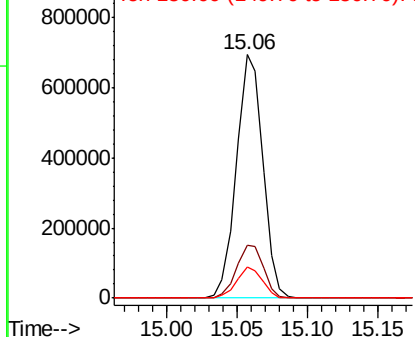


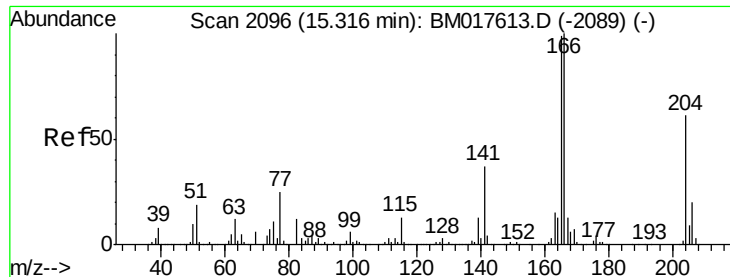
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

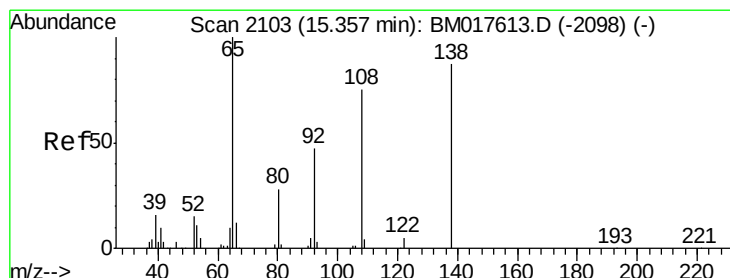
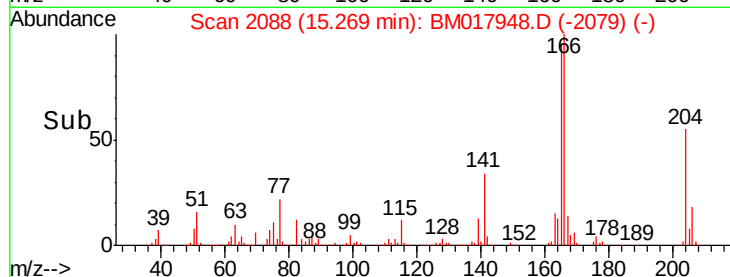
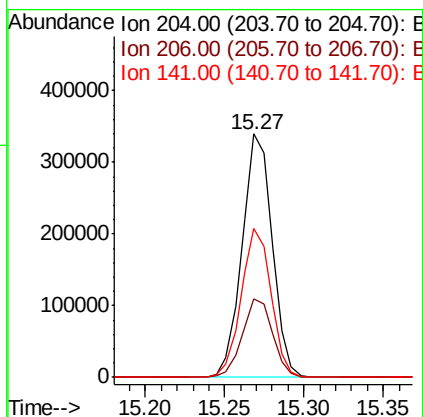
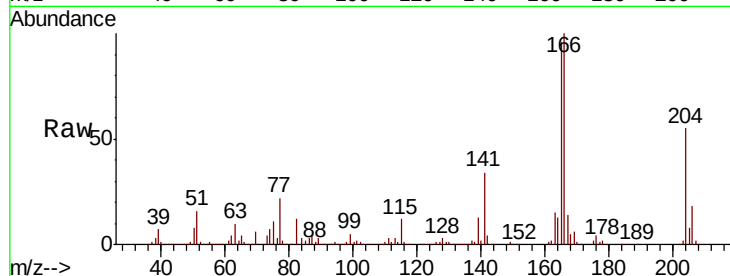




#61
 4-Chlorophenyl-phenylether
 Concen: 36.590 ng
 RT: 15.27 min Scan# 2088
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

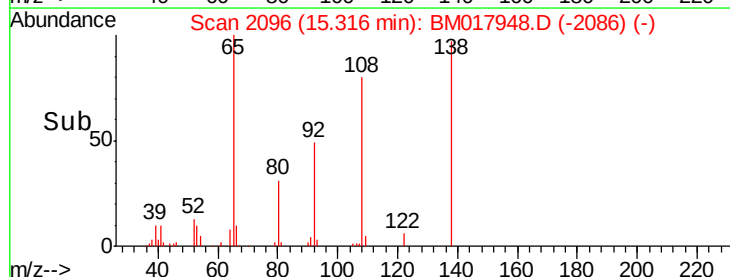
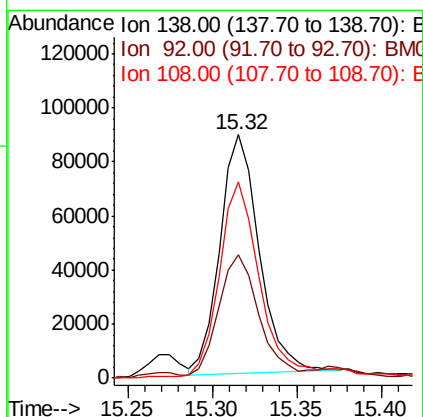
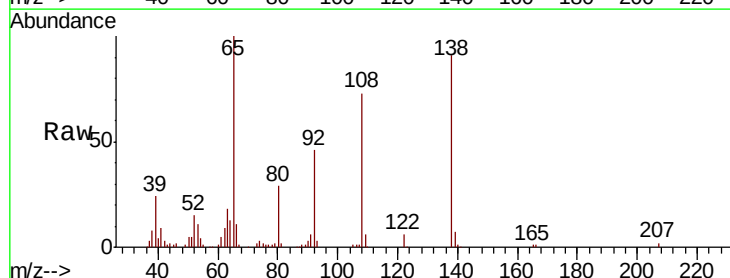
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

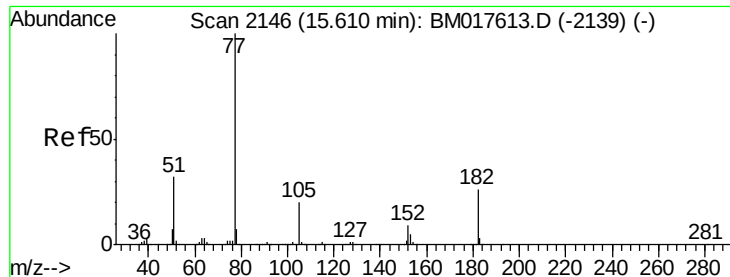
Tgt Ion:204 Resp: 447261
 Ion Ratio Lower Upper
 204 100
 206 32.2 25.9 38.9
 141 61.2 47.9 71.9



#62
 4-Nitroaniline
 Concen: 27.552 ng
 RT: 15.32 min Scan# 2096
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:138 Resp: 143281
 Ion Ratio Lower Upper
 138 100
 92 50.5 33.4 73.4
 108 80.4 64.3 104.3





#63

Azobenzene

Concen: 36.234 ng

RT: 15.56 min Scan# 2138

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tgt Ion: 77 Resp: 823722

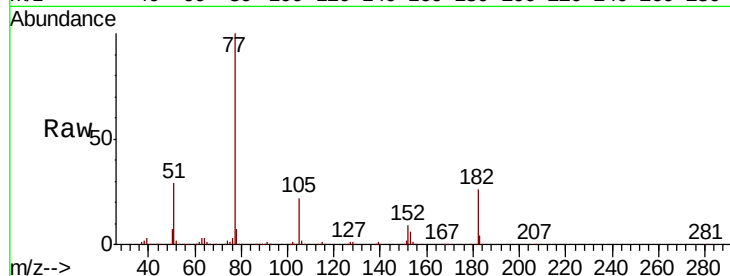
Ion Ratio Lower Upper

77 100

182 26.4 5.8 45.8

105 21.6 0.0 40.0

51 28.6 12.5 52.5

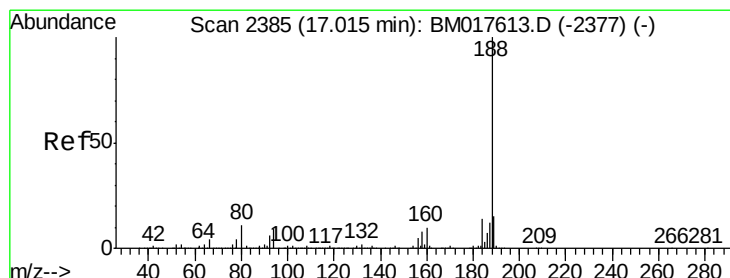
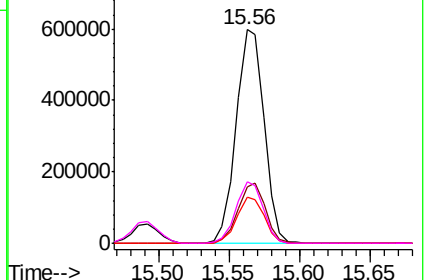
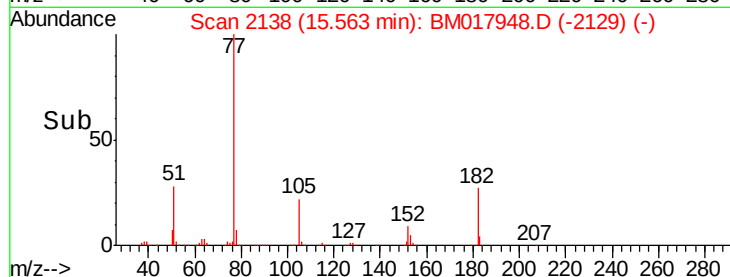


Abundance Ion 77.00 (76.70 to 77.70): BM017948.D (-2139) (-)

Ion 182.00 (181.70 to 182.70): BM017948.D (-2139) (-)

Ion 105.00 (104.70 to 105.70): BM017948.D (-2139) (-)

Ion 51.00 (50.70 to 51.70): BM017948.D (-2139) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2378

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

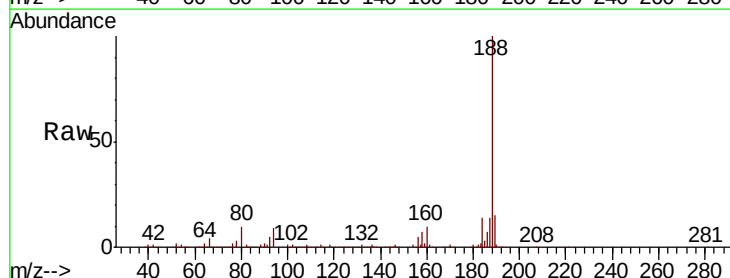
Tgt Ion: 188 Resp: 589295

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

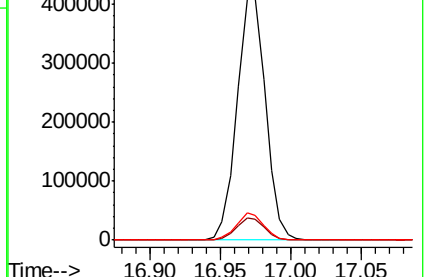
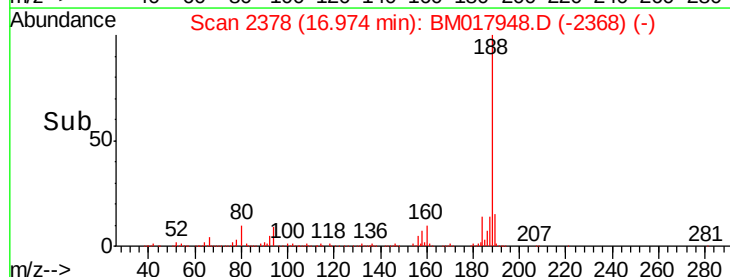
80 10.0 8.6 13.0

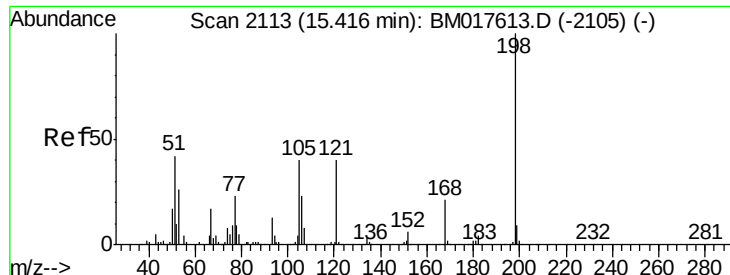


Abundance Ion 188.00 (187.70 to 188.70): BM017948.D (-2368) (-)

Ion 94.00 (93.70 to 94.70): BM017948.D (-2368) (-)

Ion 80.00 (79.70 to 80.70): BM017948.D (-2368) (-)

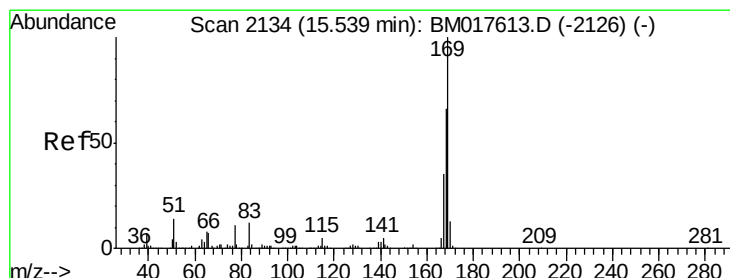
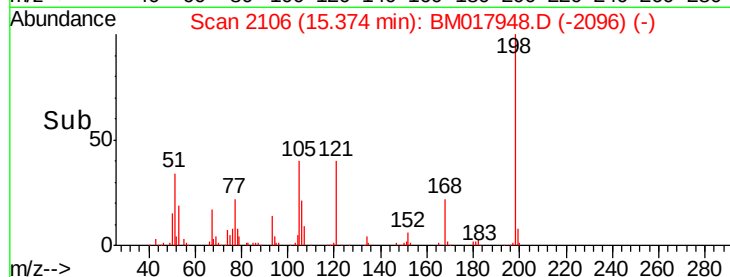
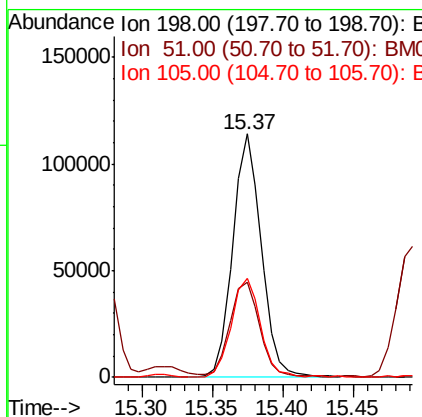
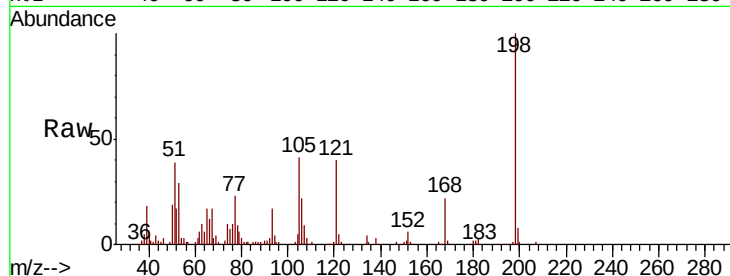




#65
 4,6-Dinitro-2-methylphenol
 Concen: 39.513 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

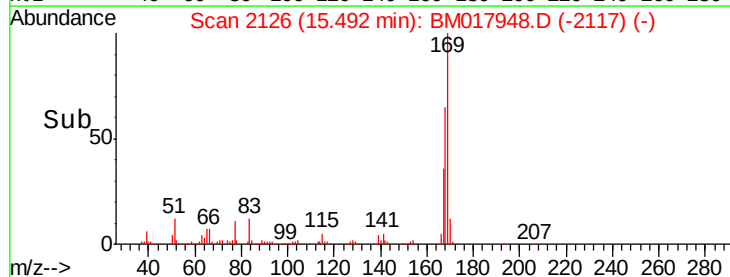
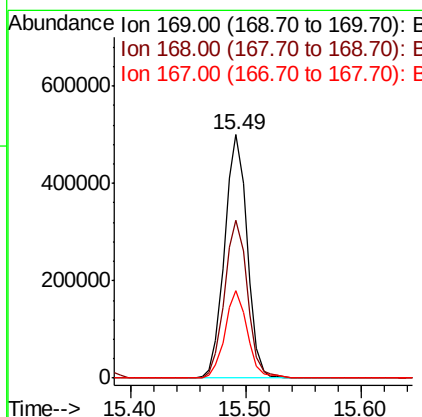
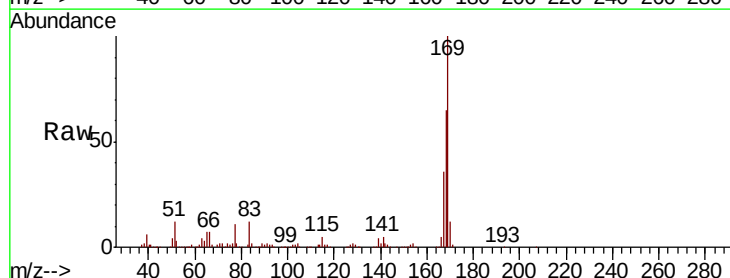
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

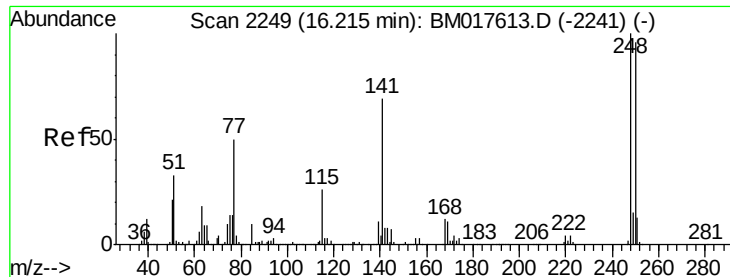
Tgt Ion	Ratio	Lower	Upper
198	100		
51	38.9	25.9	65.9
105	40.7	20.6	60.6



#66
 n-Nitrosodiphenylamine
 Concen: 35.742 ng
 RT: 15.49 min Scan# 2126
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.7	53.0	79.6
167	35.7	28.0	42.0

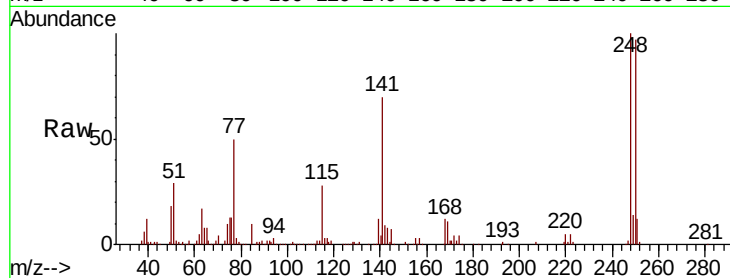




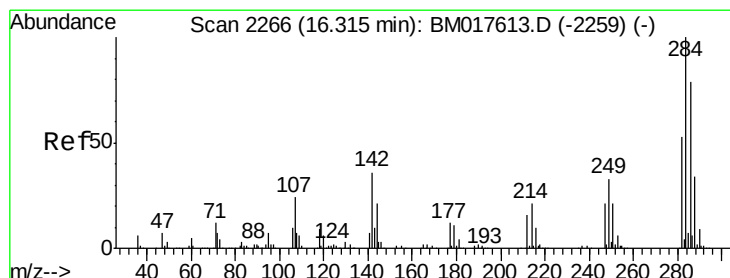
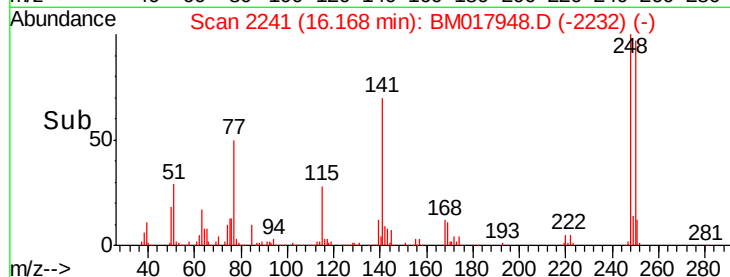
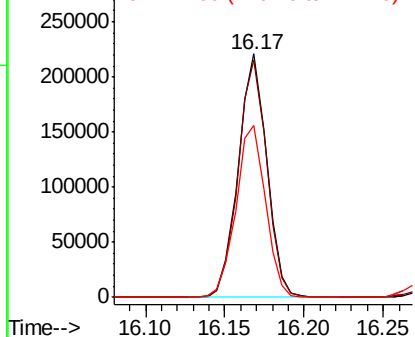
#67
 4-Bromophenyl-phenylether
 Concen: 39.550 ng
 RT: 16.17 min Scan# 2241
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tgt Ion:248 Resp: 275645
 Ion Ratio Lower Upper
 248 100
 250 97.4 76.5 114.7
 141 70.4 54.9 82.3

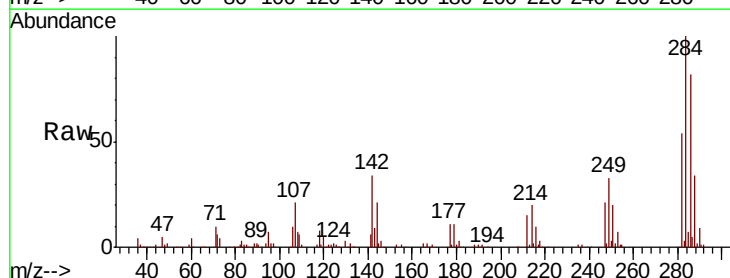


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

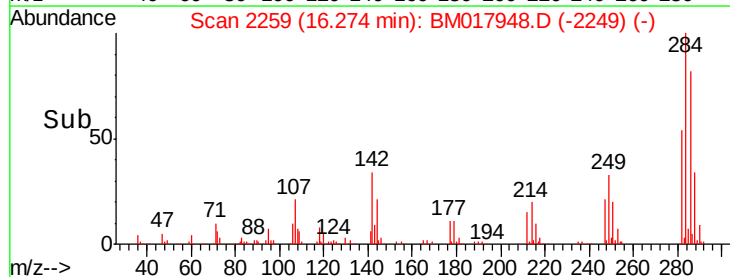
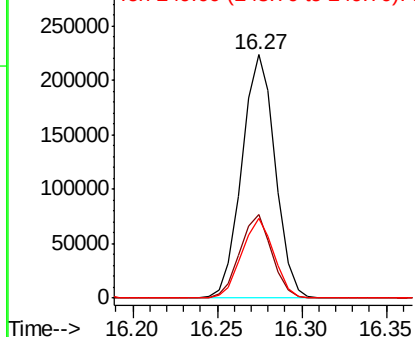


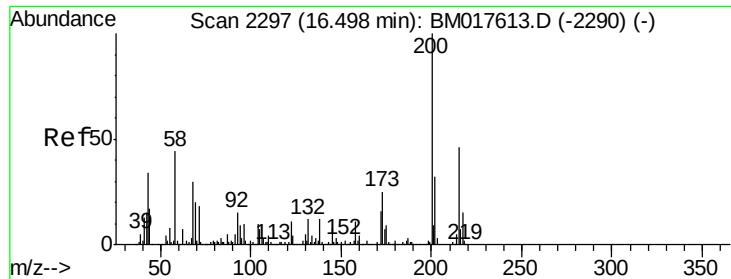
#68
 Hexachlorobenzene
 Concen: 39.105 ng
 RT: 16.27 min Scan# 2259
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:284 Resp: 307246
 Ion Ratio Lower Upper
 284 100
 142 34.3 28.4 42.6
 249 32.9 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

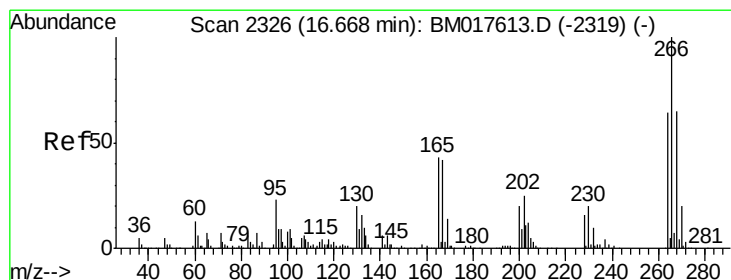
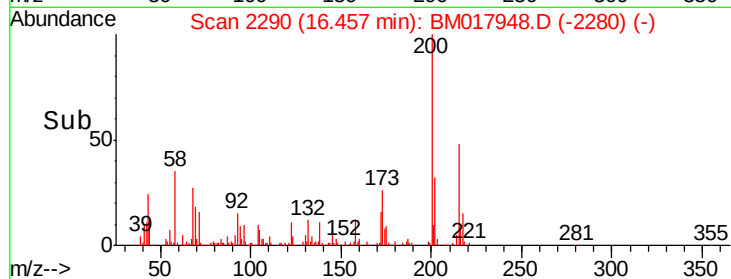
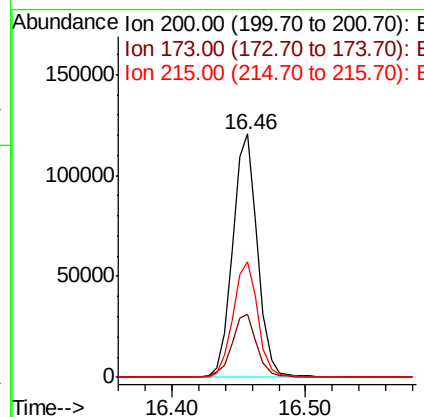
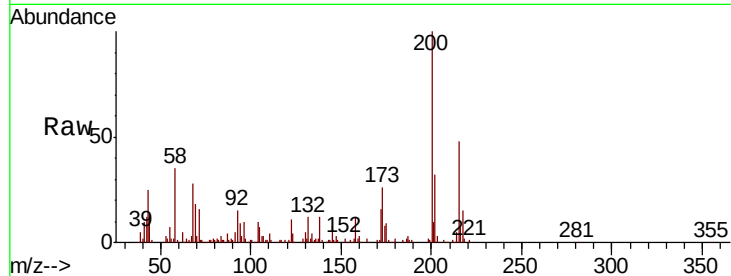




#69
 Atrazine
 Concen: 22.518 ng
 RT: 16.46 min Scan# 2290
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

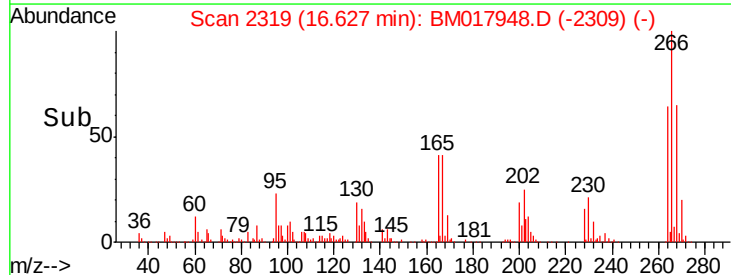
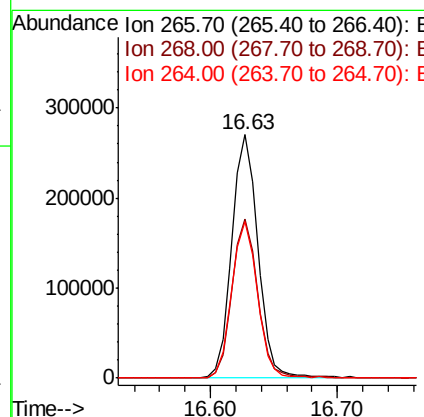
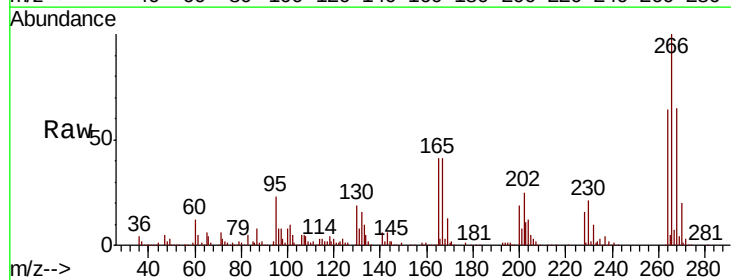
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

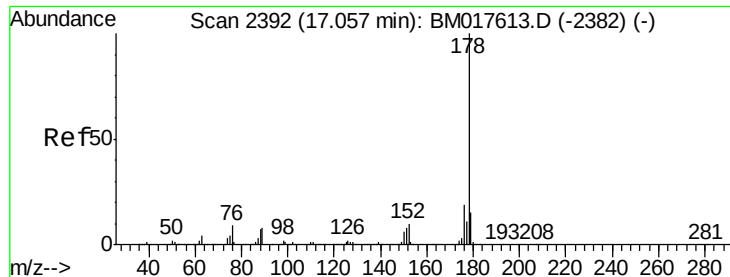
Tgt Ion:200 Resp: 156920
 Ion Ratio Lower Upper
 200 100
 173 25.7 5.1 45.1
 215 47.7 25.8 65.8



#70
 Pentachlorophenol
 Concen: 70.186 ng
 RT: 16.63 min Scan# 2319
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:266 Resp: 386386
 Ion Ratio Lower Upper
 266 100
 268 65.3 51.7 77.5
 264 64.1 51.3 76.9

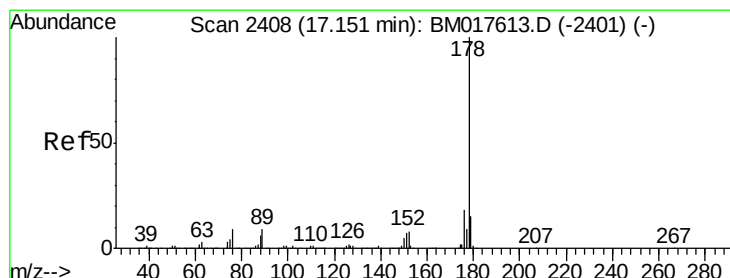
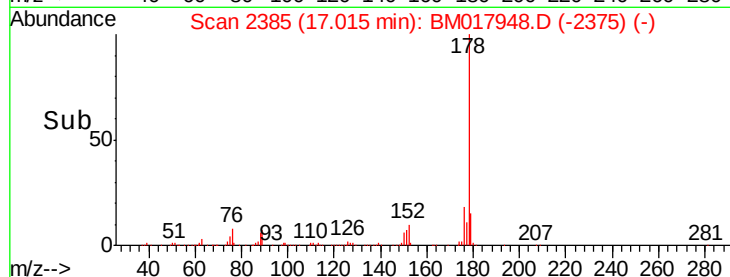
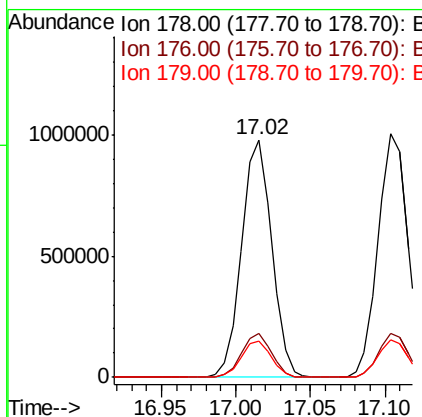
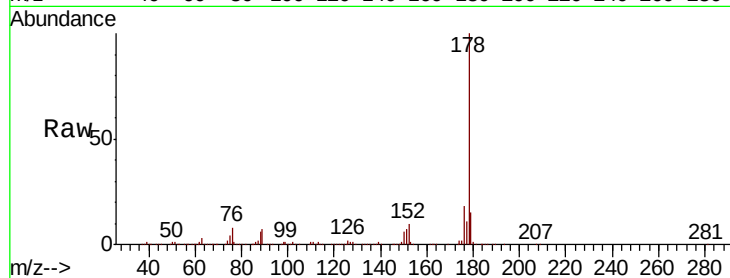




#71
Phenanthrene
Concen: 42.985 ng
RT: 17.02 min Scan# 2385
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

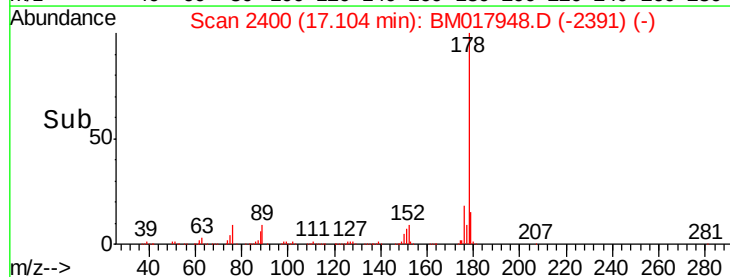
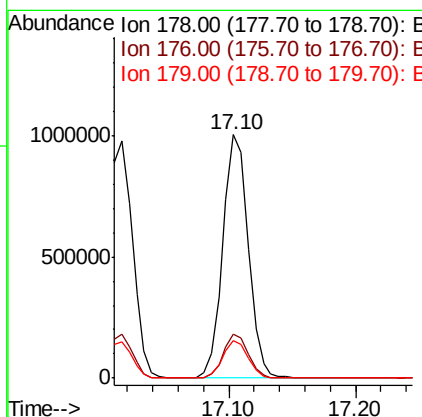
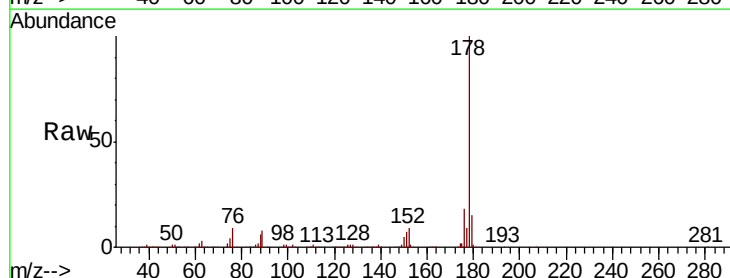
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

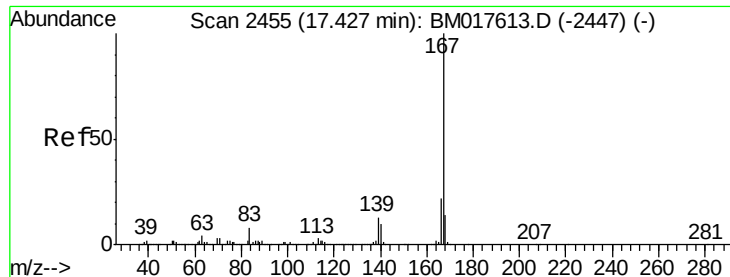
Tgt Ion:178 Resp: 1374523
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.4 12.4 18.6



#72
Anthracene
Concen: 44.817 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:178 Resp: 1394519
Ion Ratio Lower Upper
178 100
176 18.3 14.5 21.7
179 15.2 12.3 18.5

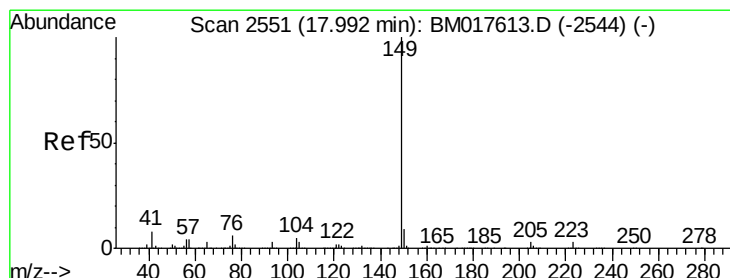
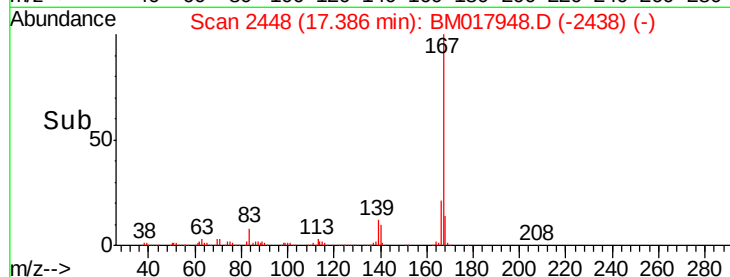
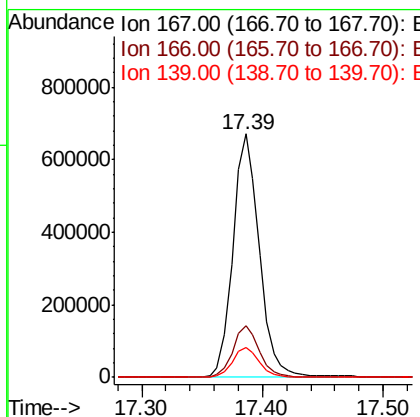
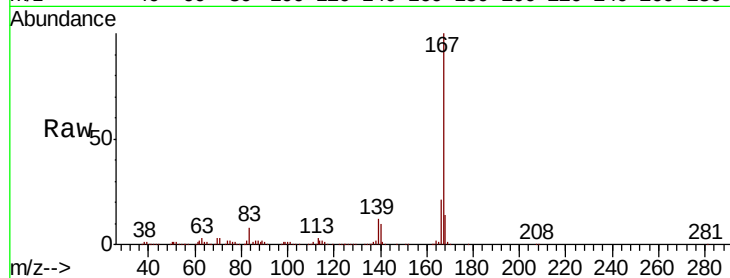




#73
 Carbazole
 Concen: 32.584 ng
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

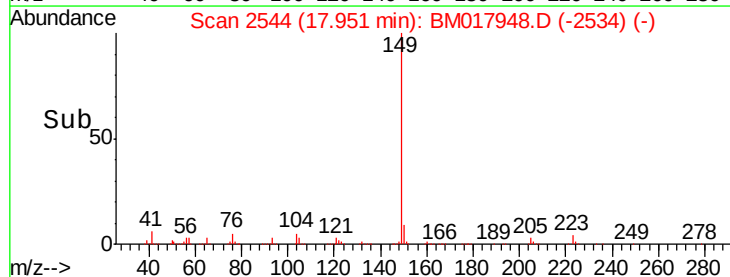
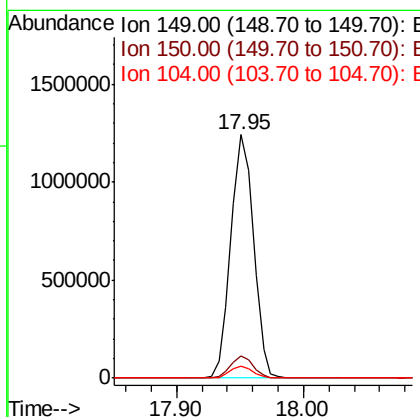
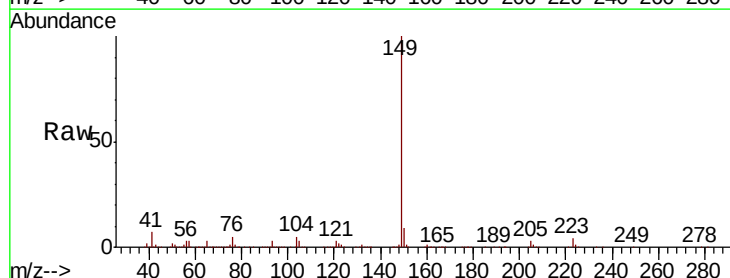
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

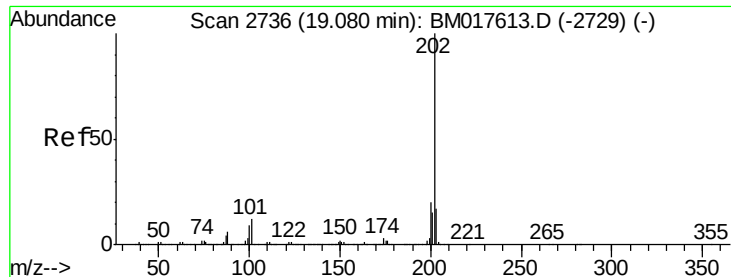
Tgt Ion:167 Resp: 1024502
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 12.3 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 43.977 ng
 RT: 17.95 min Scan# 2544
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:149 Resp: 1539253
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.2 4.3 6.5





#75

Fluoranthene

Concen: 43.585 ng

RT: 19.04 min Scan# 2729

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

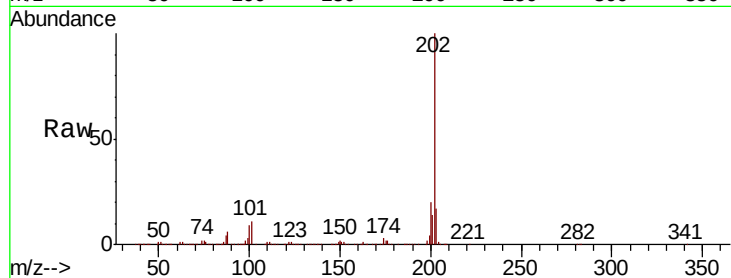
Tgt Ion:202 Resp: 1576912

Ion Ratio Lower Upper

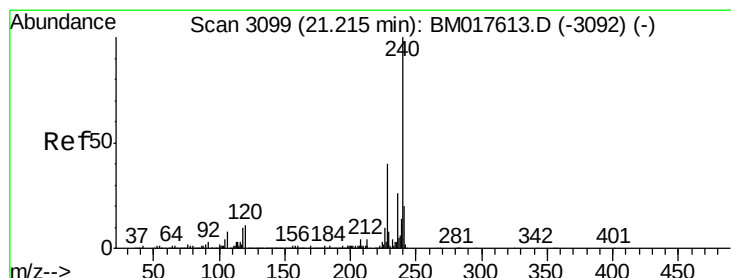
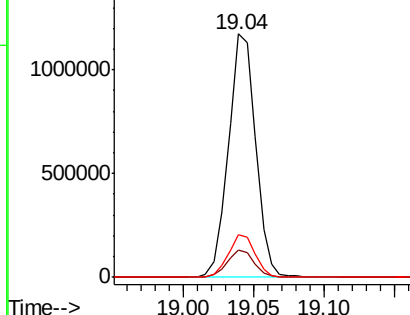
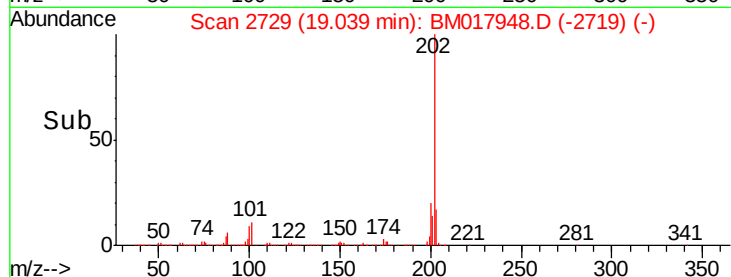
202 100

101 11.4 0.0 31.5

203 17.3 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

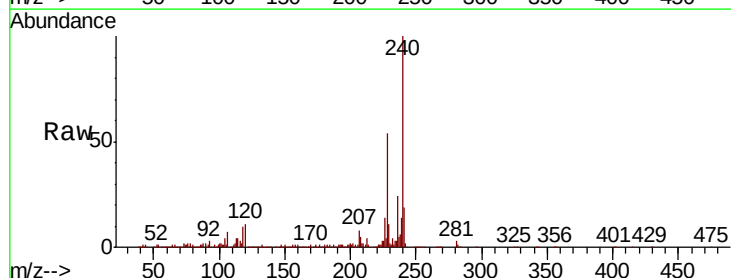
Tgt Ion:240 Resp: 647405

Ion Ratio Lower Upper

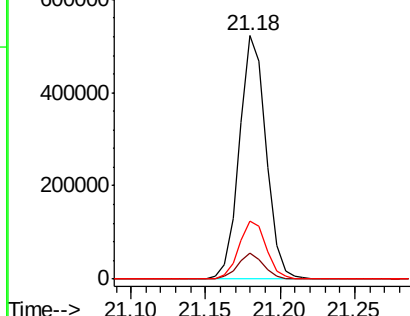
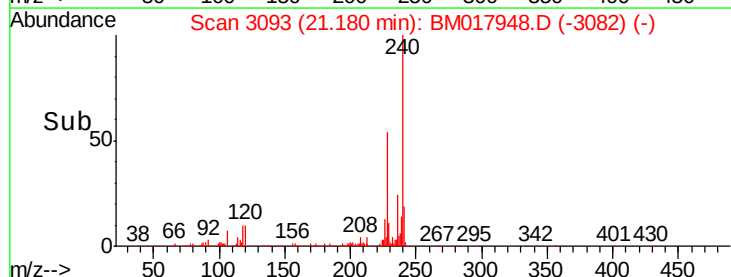
240 100

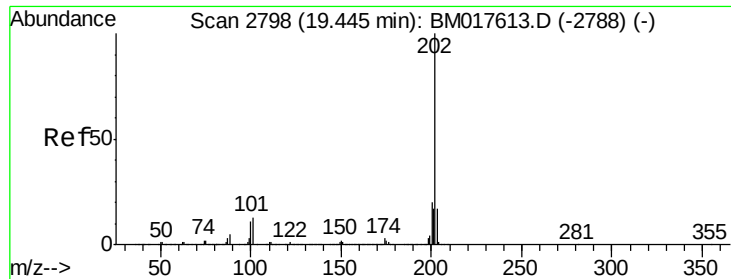
120 10.6 8.5 12.7

236 23.9 20.4 30.6



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

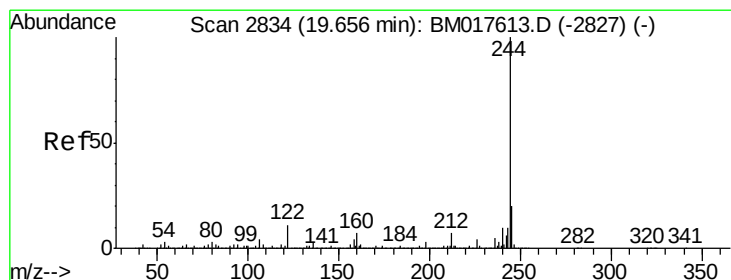
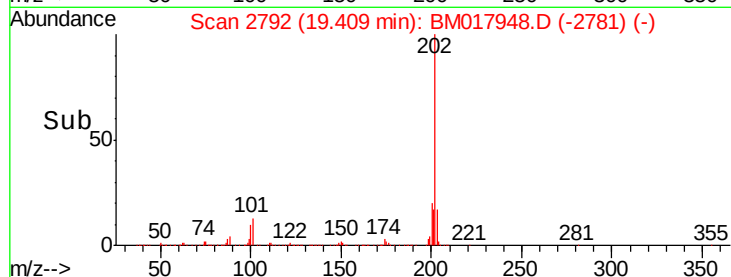
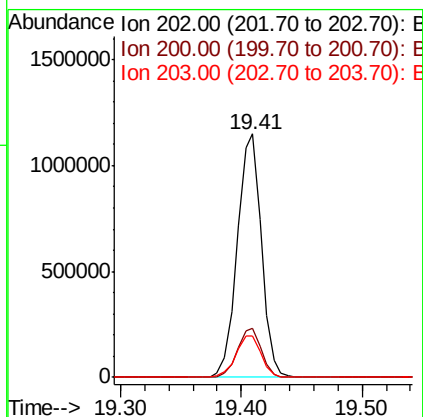
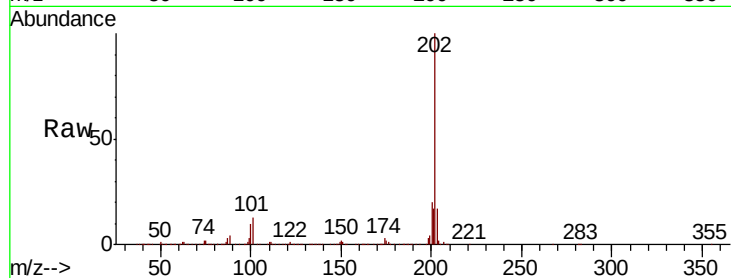




#78
 Pyrene
 Concen: 40.156 ng
 RT: 19.41 min Scan# 2792
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

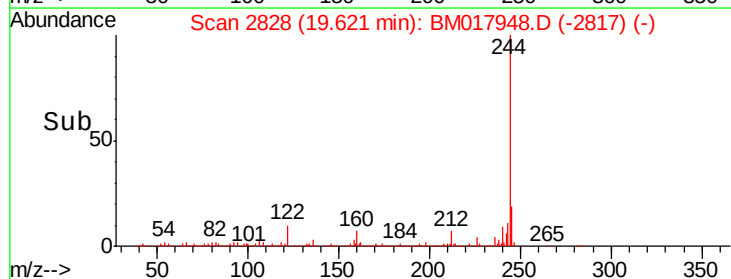
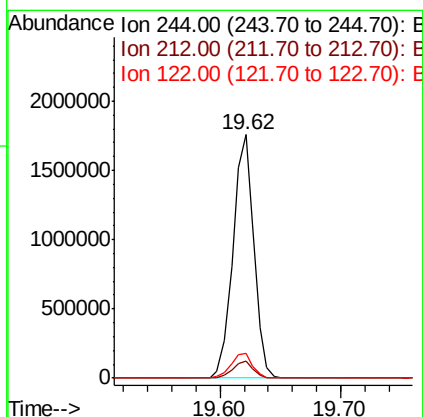
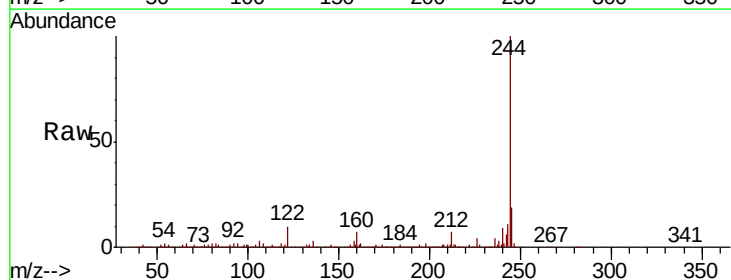
Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

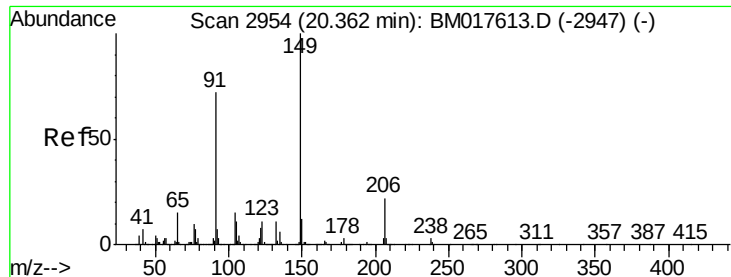
Tgt Ion:202 Resp: 1604052
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.4 24.6
 203 17.1 13.8 20.8



#79
 Terphenyl-d14
 Concen: 74.161 ng
 RT: 19.62 min Scan# 2828
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:244 Resp: 2118419
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.0 9.0 13.6

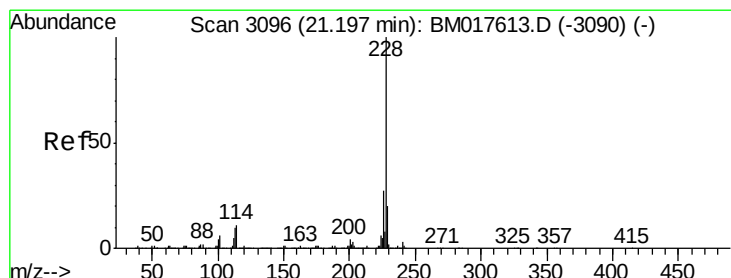
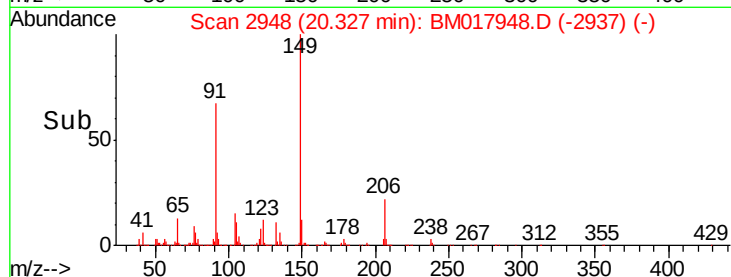
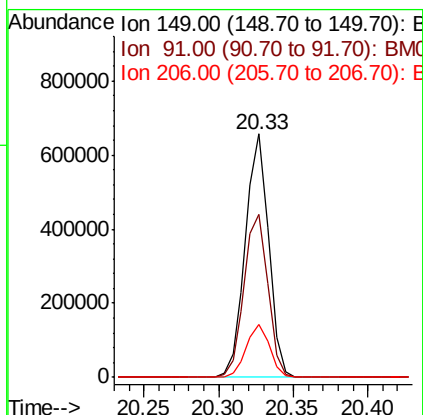
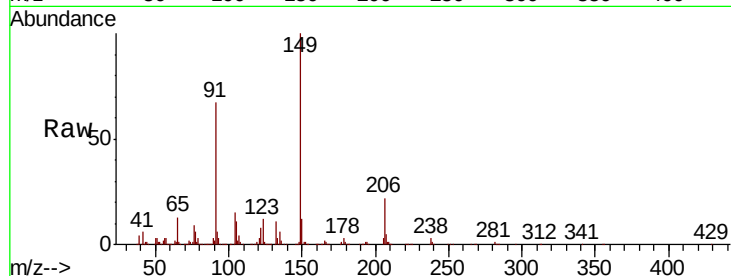




#80
Butylbenzylphthalate
Concen: 43.991 ng
RT: 20.33 min Scan# 2948
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

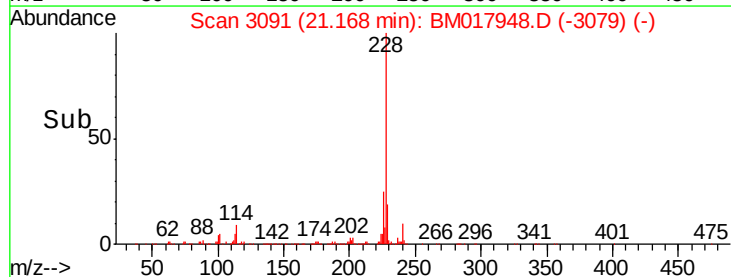
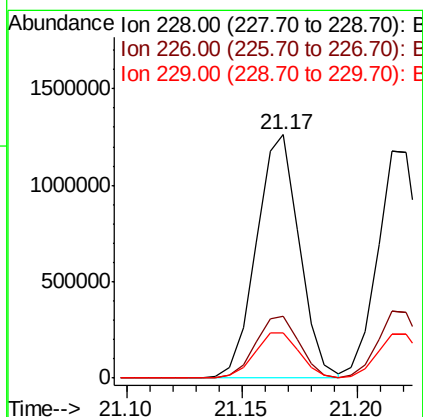
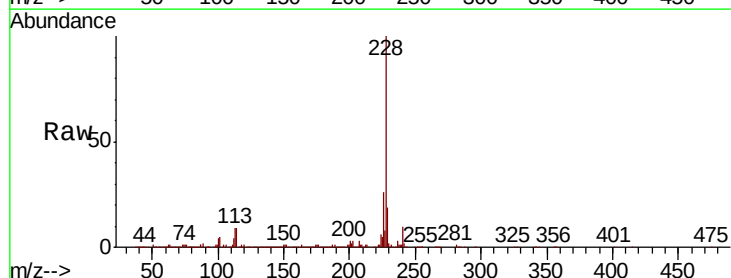
Instrument :
BNA_M
ClientSampleId :
RO-331MSD

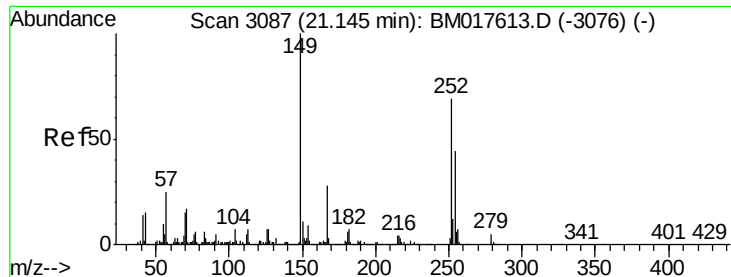
Tgt Ion:149 Resp: 713724
Ion Ratio Lower Upper
149 100
91 66.8 57.6 86.4
206 21.9 17.4 26.0



#81
Benzo(a)anthracene
Concen: 43.674 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.03 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion:228 Resp: 1628973
Ion Ratio Lower Upper
228 100
226 25.5 21.3 31.9
229 18.7 16.0 24.0

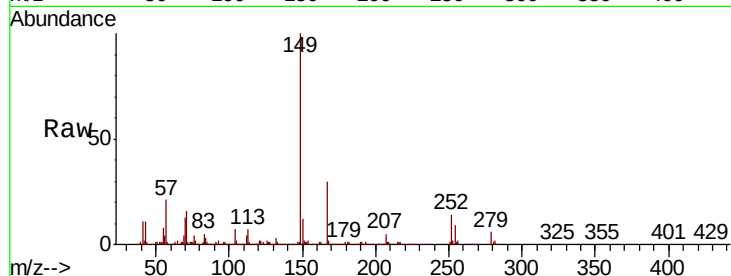




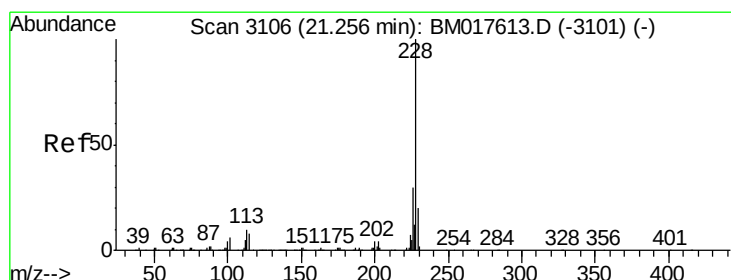
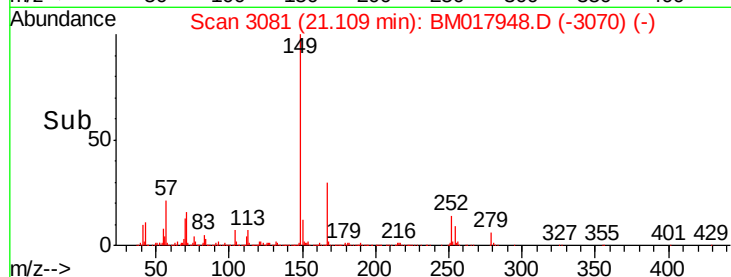
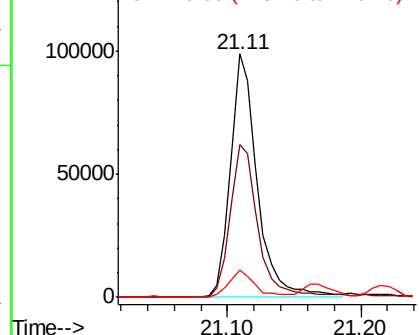
#82
 3,3'-Dichlorobenzidine
 Concen: 9.725 ng
 RT: 21.11 min Scan# 3081
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tgt Ion: 252 Resp: 139998
 Ion Ratio Lower Upper
 252 100
 254 62.8 51.4 77.2
 126 11.0 8.0 12.0

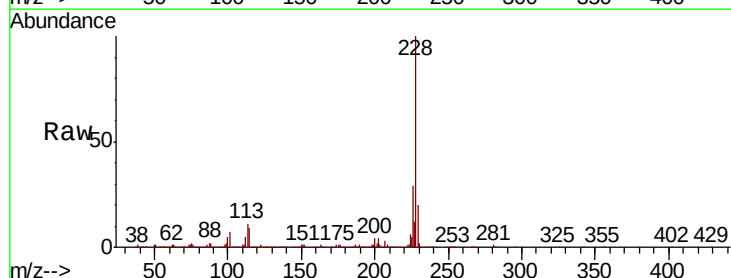


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

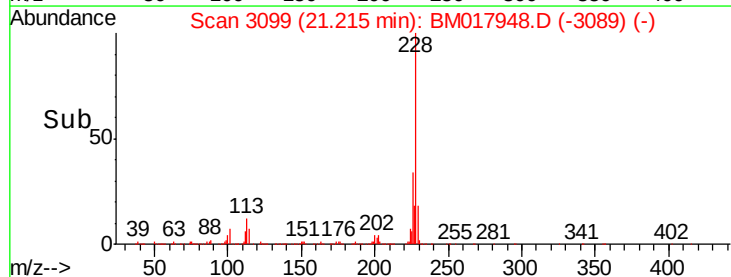
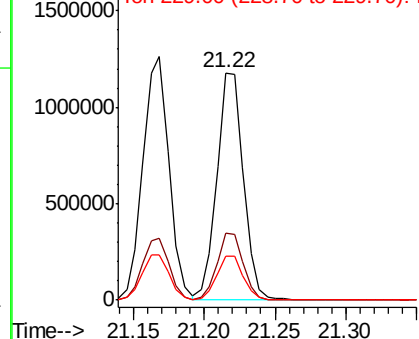


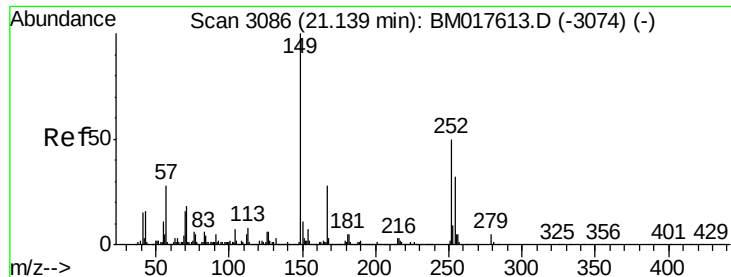
#83
 Chrysene
 Concen: 42.357 ng
 RT: 21.22 min Scan# 3099
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion: 228 Resp: 1534429
 Ion Ratio Lower Upper
 228 100
 226 29.3 23.6 35.4
 229 19.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

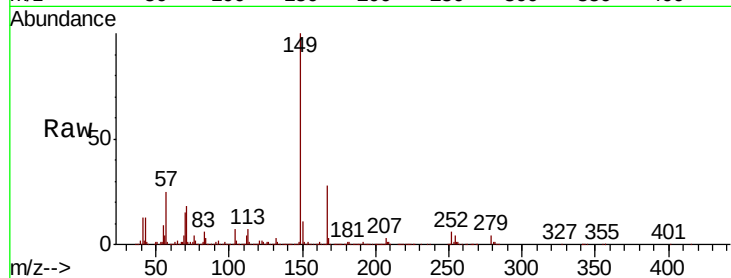




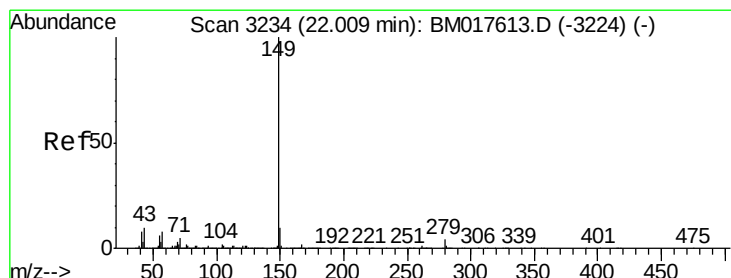
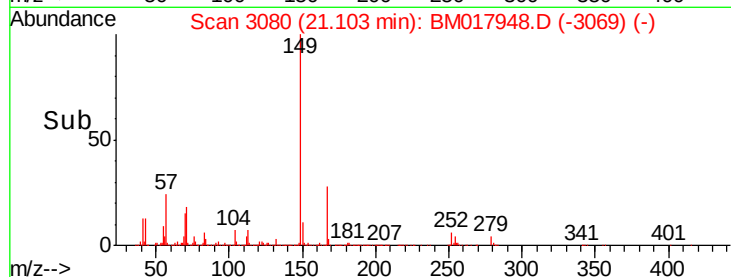
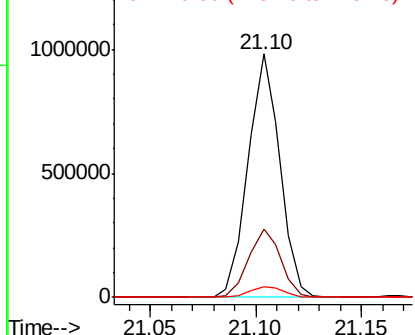
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.781 ng
 RT: 21.10 min Scan# 3080
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampled :
 RO-331MSD

Tgt Ion:149 Resp: 1026083
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.2 33.4
 279 4.4 3.7 5.5

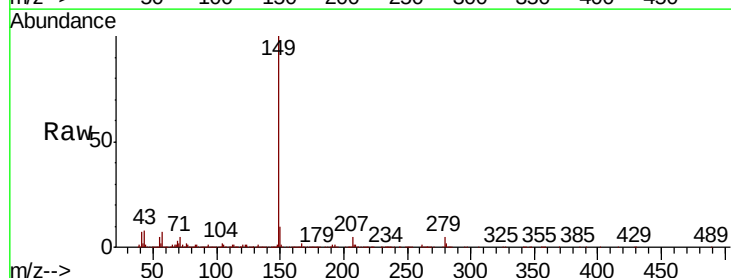


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

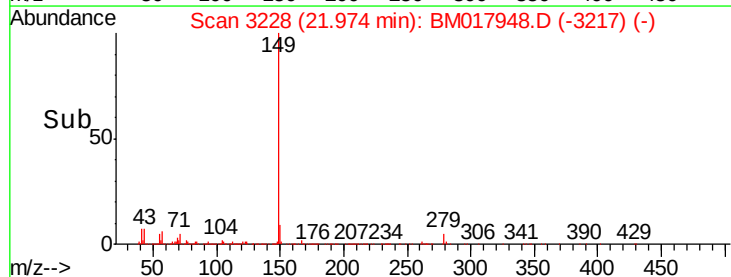
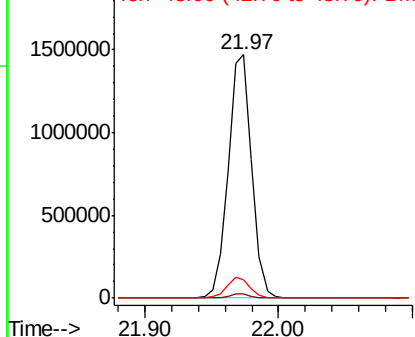


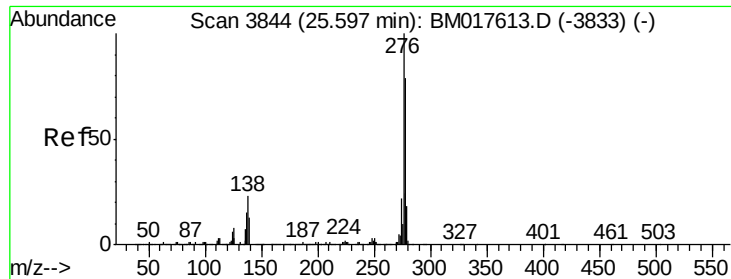
#85
 Di-n-octyl phthalate
 Concen: 47.016 ng
 RT: 21.97 min Scan# 3228
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion:149 Resp: 1805683
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 8.2 8.3 12.5#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BM0





#86

Indeno(1,2,3-cd)pyrene

Concen: 65.525 ng

RT: 25.53 min Scan# 3832

Delta R.T. -0.07 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

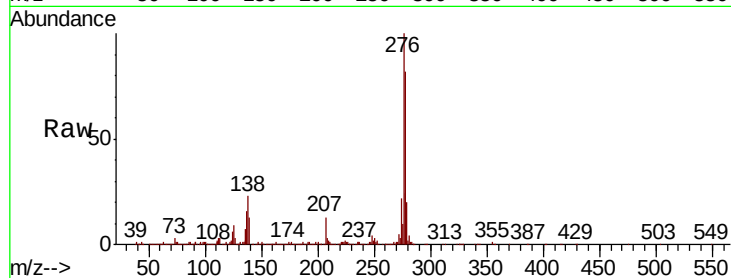
Tgt Ion:276 Resp: 1896851

Ion Ratio Lower Upper

276 100

138 23.6 19.1 28.7

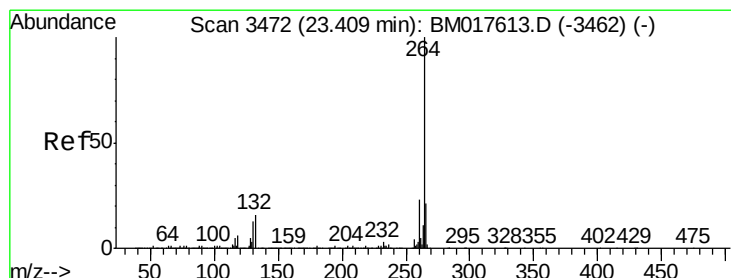
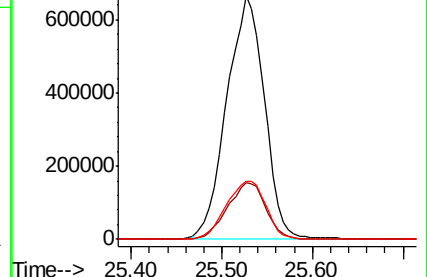
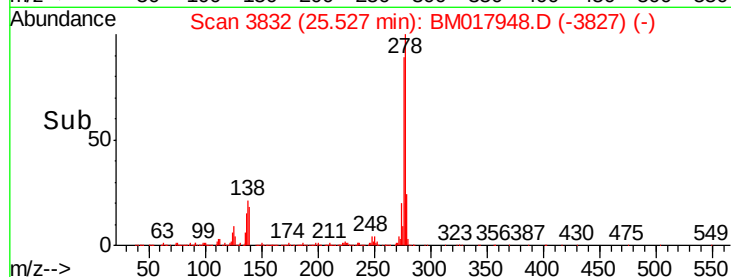
277 25.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3464

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

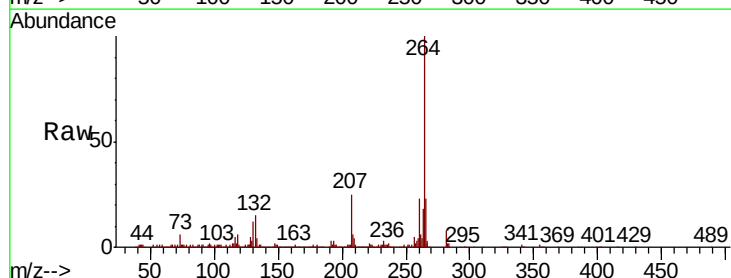
Tgt Ion:264 Resp: 614060

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

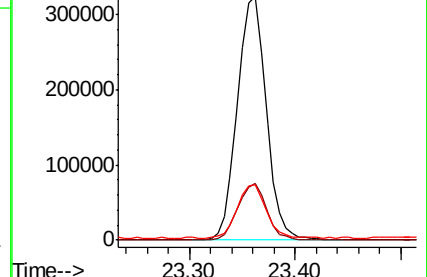
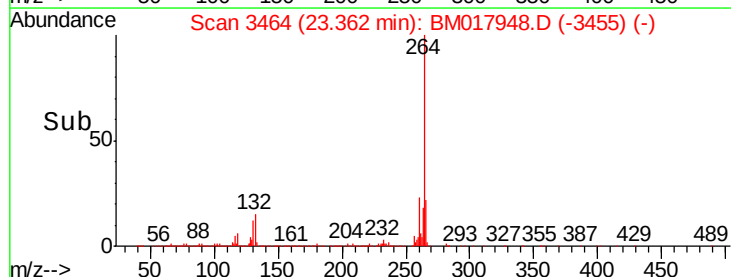
265 22.5 17.5 26.3

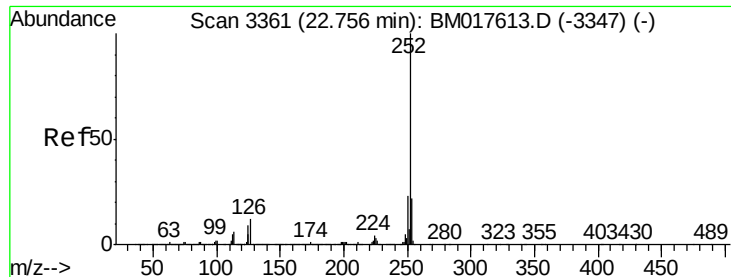


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 46.048 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

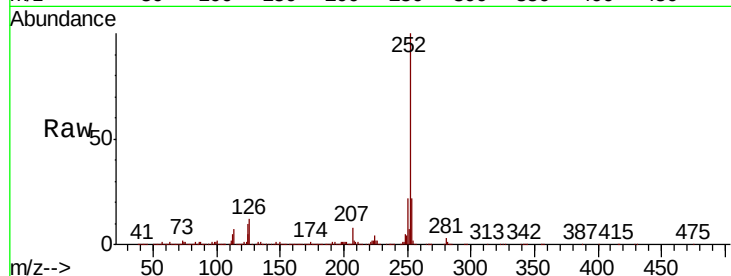
Tgt Ion:252 Resp: 1655962

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

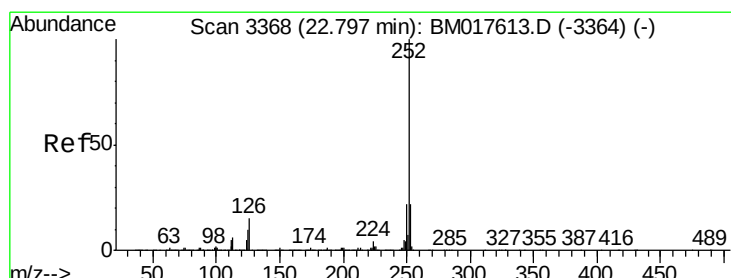
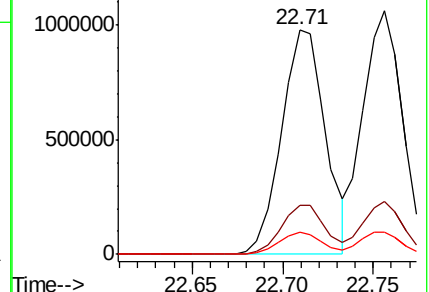
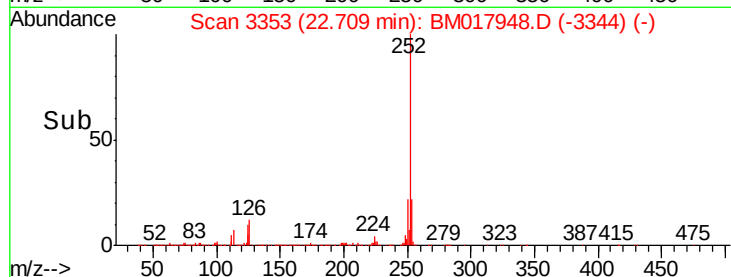
125 9.7 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 44.151 ng

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

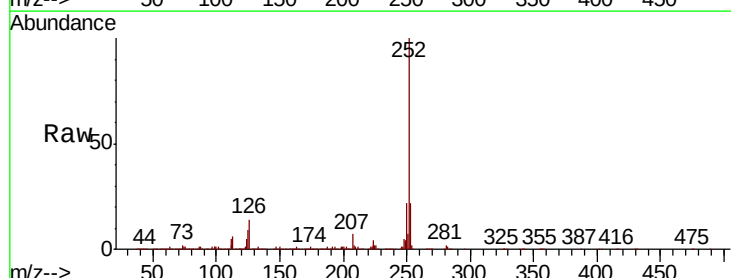
Tgt Ion:252 Resp: 1604782

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

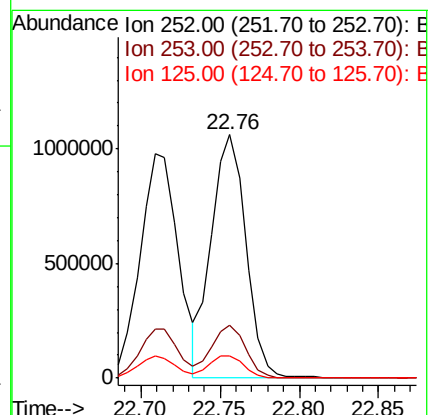
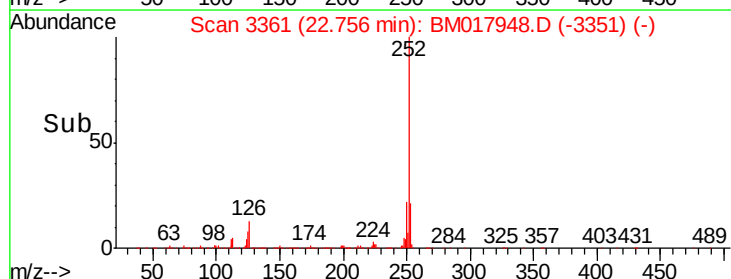
125 9.2 7.9 11.9

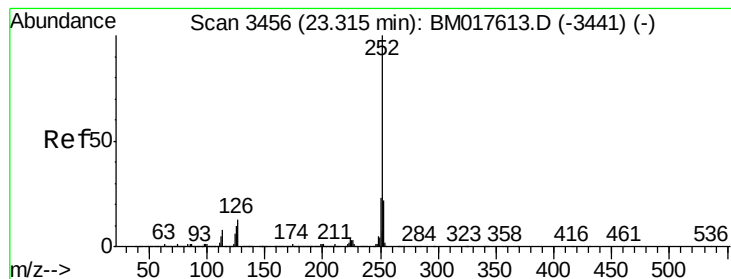


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 47.697 ng

RT: 23.27 min Scan# 3448

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

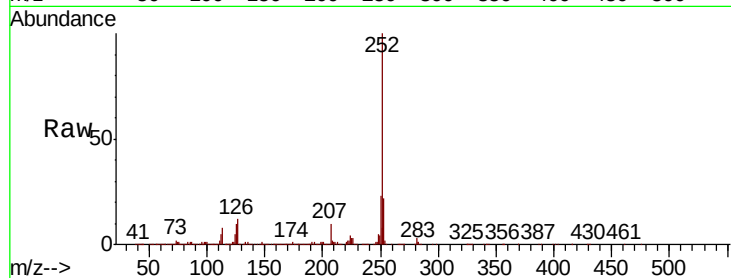
Tgt Ion:252 Resp: 1563962

Ion Ratio Lower Upper

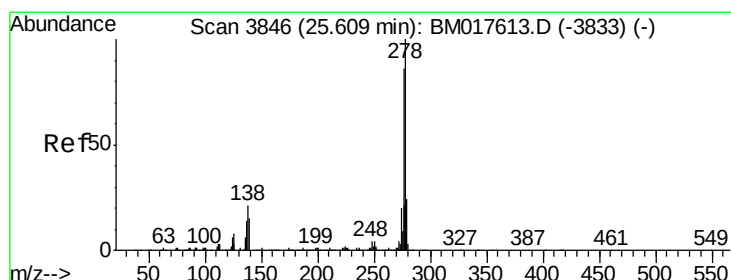
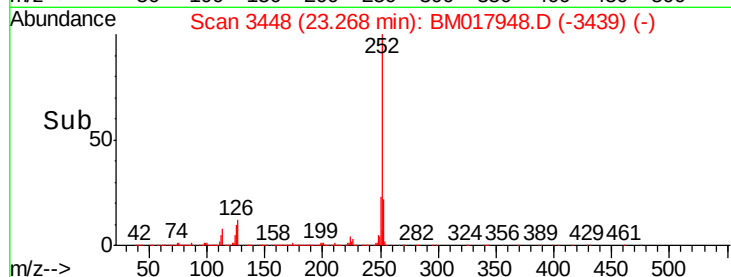
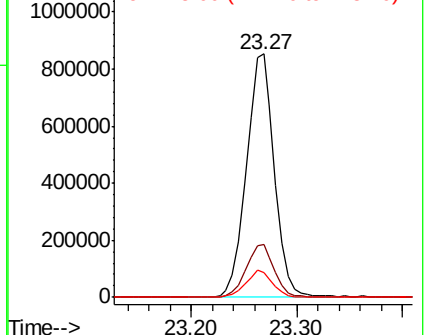
252 100

253 21.7 17.4 26.2

125 10.3 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 60.045 ng

RT: 25.54 min Scan# 3834

Delta R.T. -0.07 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

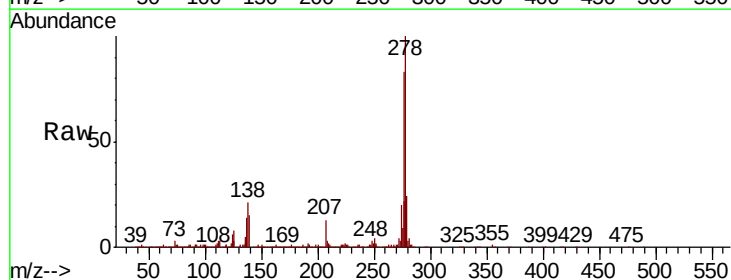
Tgt Ion:278 Resp: 1655223

Ion Ratio Lower Upper

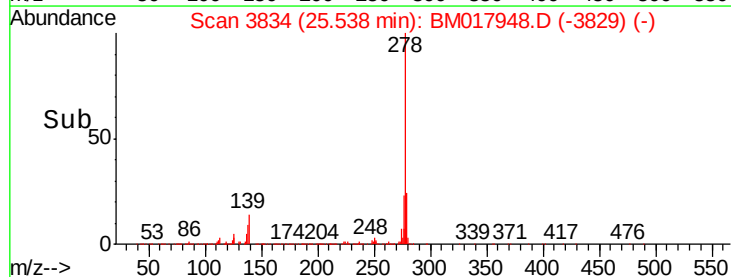
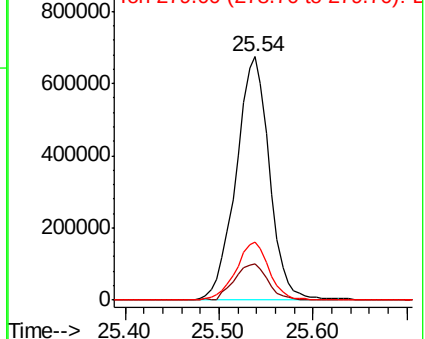
278 100

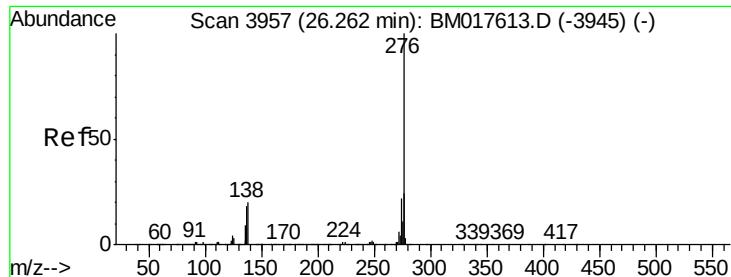
139 15.1 11.8 17.6

279 23.6 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 60.909 ng

RT: 26.19 min Scan# 3944

Delta R.T. -0.08 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

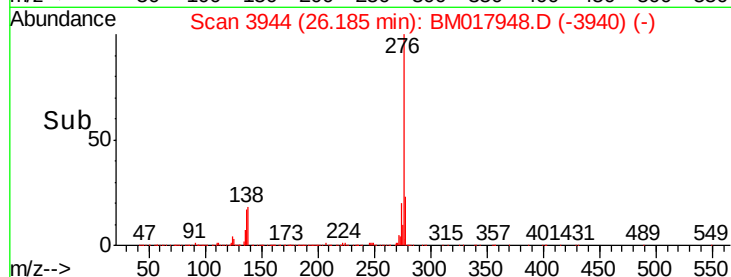
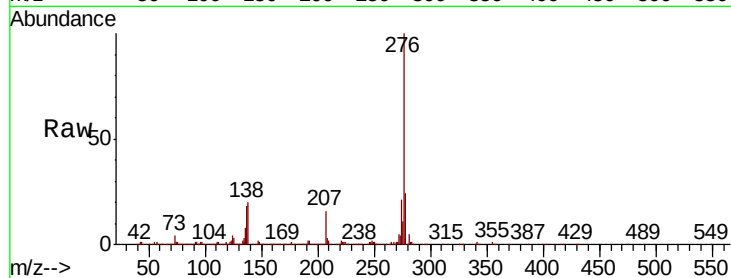
Tgt Ion: 276 Resp: 1578916

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 20.2 15.9 23.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

