

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\
 Data File : BM017408.D
 Acq On : 29 Oct 2018 15:04
 Operator : MJ/SJ
 Sample : J5651-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Manual Integrations
 APPROVED

Sohil

10/30/2018 4:43:05 PM

Quant Time: Oct 30 03:07:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 15:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	288774	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	1271667	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	789042	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	1895468	20.00	ng	0.00
76) Chrysene-d12	21.24	240	2246506	20.00	ng	0.00
87) Perylene-d12	23.45	264	2037845	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1856379	108.73	ng	0.00
7) Phenol-d6	6.84	99	2403168	103.35	ng	0.00
23) Nitrobenzene-d5	8.80	82	1684776	77.49	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	1371361	128.52	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	4253501	71.73	ng	0.00
79) Terphenyl-d14	19.69	244	7335426	73.60	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	217152	24.907	ng	# 80
3) Pyridine	3.65	79	605224	30.170	ng	88
4) n-Nitrosodimethylamine	3.56	42	331687	41.187	ng	# 74
6) Aniline	6.99	93	437494	15.042	ng	97
8) 2-Chlorophenol	7.22	128	936305	47.402	ng	99
9) Benzaldehyde	6.80	77	160281	10.810	ng	96
10) Phenol	6.86	94	1030004	41.157	ng	98
11) bis(2-Chloroethyl)ether	7.09	93	822842	41.245	ng	99
12) 1,3-Dichlorobenzene	7.53	146	936494	40.672	ng	99
13) 1,4-Dichlorobenzene	7.68	146	947433	40.274	ng	98
14) 1,2-Dichlorobenzene	7.99	146	927541	40.923	ng	99
15) Benzyl Alcohol	7.90	79	852250	50.141	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.18	45	1088139	39.040	ng	99
17) 2-Methylphenol	8.10	107	779612	48.533	ng	98
18) Hexachloroethane	8.71	117	337354	41.903	ng	100
19) n-Nitroso-di-n-propylamine	8.46	70	704951	46.041	ng	97
20) 3+4-Methylphenols	8.42	107	1078892	49.107	ng	99
22) Acetophenone	8.47	105	1407033	43.649	ng	# 99
24) Nitrobenzene	8.85	77	1062681	46.205	ng	96
25) Isophorone	9.37	82	1957380	54.517	ng	99
26) 2-Nitrophenol	9.55	139	530373	49.122	ng	99
27) 2,4-Dimethylphenol	9.62	122	923795	58.187	ng	98
28) bis(2-Chloroethoxy)methane	9.85	93	1206194	47.730	ng	99
29) 2,4-Dichlorophenol	10.07	162	959831	52.070	ng	99
30) 1,2,4-Trichlorobenzene	10.29	180	935591	42.310	ng	99
31) Naphthalene	10.47	128	2915571	46.785	ng	99
32) Benzoic acid	9.79	122	616803	52.069	ng	97
33) 4-Chloroaniline	10.60	127	135807	5.046	ng	97
34) Hexachlorobutadiene	10.75	225	552993	39.468	ng	98
35) Caprolactam	11.40	113	272836m	40.614	ng	
36) 4-Chloro-3-methylphenol	11.73	107	1097594	52.824	ng	99
37) 2-Methylnaphthalene	12.09	142	2243807	52.616	ng	99
38) 1-Methylnaphthalene	12.31	142	2138201	51.515	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.46	216	1137163	40.924	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.44	237	1305966	97.218	nq	100
43) 2,4,6-Trichlorophenol	12.71	196	820152	50.844	nq	99
44) 2,4,5-Trichlorophenol	12.79	196	904422	52.287	nq	99
46) 1,1'-Biphenyl	13.12	154	2918535	41.103	nq	99
47) 2-Chloronaphthalene	13.16	162	2268040	43.419	nq	99
48) 2-Nitroaniline	13.37	65	695318	47.220	nq	96
49) Acenaphthylene	14.01	152	3822815	50.488	nq	100
50) Dimethylphthalate	13.76	163	3020422	49.617	nq	99
51) 2,6-Dinitrotoluene	13.89	165	684438	51.084	nq	96
52) Acenaphthene	14.36	154	2247266	47.270	nq	97
53) 3-Nitroaniline	14.22	138	398987	27.495	nq	98
54) 2,4-Dinitrophenol	14.43	184	932839	114.702	nq	96
55) Dibenzofuran	14.70	168	3634357	45.971	nq	99
56) 4-Nitrophenol	14.54	139	1633990	120.983	nq	98
57) 2,4-Dinitrotoluene	14.67	165	1000478	55.558	nq	# 98
58) Fluorene	15.34	166	2985153	51.013	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.93	232	858895	54.474	nq	99
60) Diethylphthalate	15.14	149	3092215	51.220	nq	99
61) 4-Chlorophenyl-phenylether	15.34	204	1489226	44.640	nq	96
62) 4-Nitroaniline	15.39	138	721310	44.884	nq	99
63) Azobenzene	15.64	77	2852809	48.617	nq	99
65) 4,6-Dinitro-2-methylphenol	15.44	198	615049	50.161	nq	98
66) n-Nitrosodiphenylamine	15.56	169	2709757	47.252	nq	100
67) 4-Bromophenyl-phenylether	16.24	248	997047	47.907	nq	96
68) Hexachlorobenzene	16.34	284	1076608	44.533	nq	99
69) Atrazine	16.53	200	1009082	49.164	nq	98
70) Pentachlorophenol	16.70	266	1419652	85.722	nq	99
71) Phenanthrene	17.09	178	4915761	48.068	nq	100
72) Anthracene	17.18	178	5059683	52.069	nq	100
73) Carbazole	17.46	167	4763266	47.987	nq	100
74) Di-n-butylphthalate	18.02	149	5547293	52.987	nq	99
75) Fluoranthene	19.11	202	6046023	52.539	nq	98
77) Benzidine	19.31	184	388239	6.816	nq	98
78) Pyrene	19.47	202	6129872	48.821	nq	99
80) Butylbenzylphthalate	20.39	149	2758328	56.276	nq	95
81) Benzo(a)anthracene	21.23	228	6379344	50.461	nq	99
82) 3,3'-Dichlorobenzidine	21.17	252	1070120	22.712	nq	98
83) Chrysene	21.28	228	6004838	47.989	nq	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	3935210	53.187	nq	97
85) Di-n-octyl phthalate	22.04	149	6929381	55.030	nq	99
86) Indeno(1,2,3-cd)pyrene	25.67	276	5426796	38.775	nq	99
88) Benzo(b)fluoranthene	22.79	252	6162652	55.312	nq	99
89) Benzo(k)fluoranthene	22.84	252	5772907	51.637	nq	99
90) Benzo(a)pyrene	23.36	252	5511171	52.097	nq	99
91) Dibenzo(a,h)anthracene	25.67	278	4665241	44.413	nq	99
92) Benzo(g,h,i)perylene	26.33	276	4350516	41.788	nq	99

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

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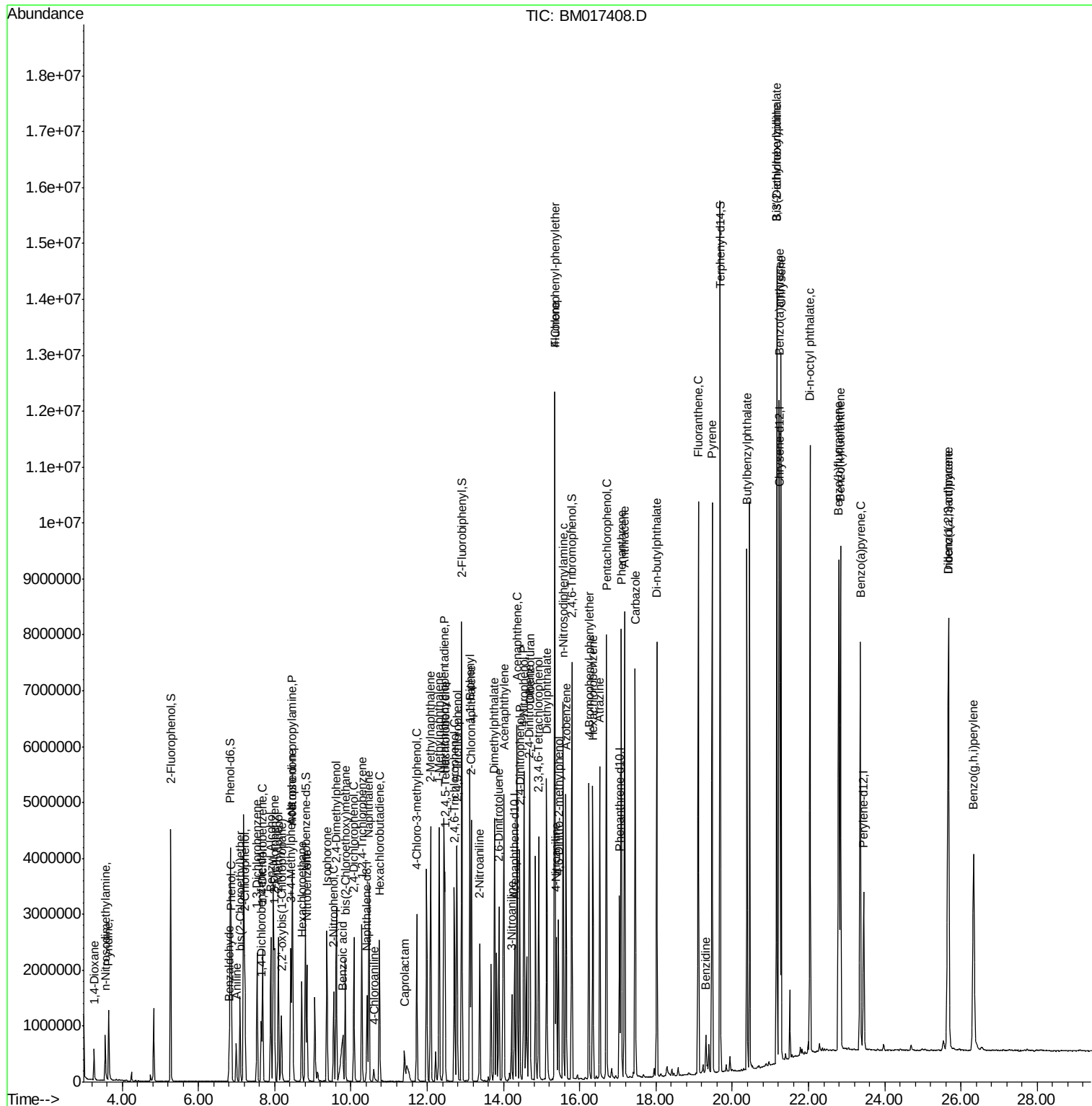
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

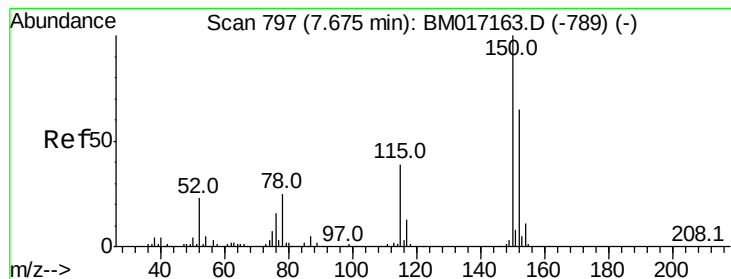
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

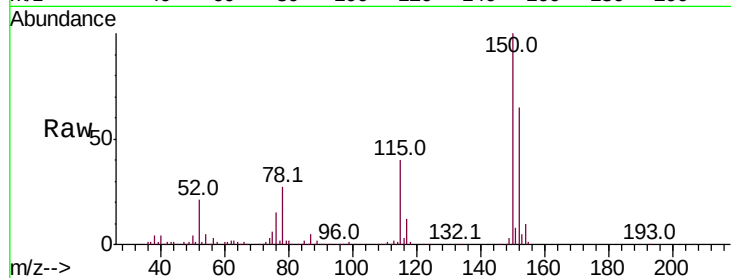
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.3	186.5
115	62.1	48.1	72.1

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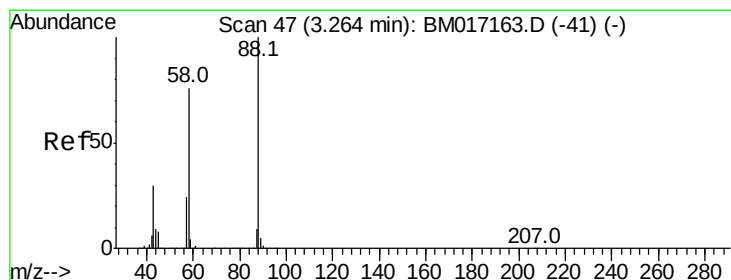
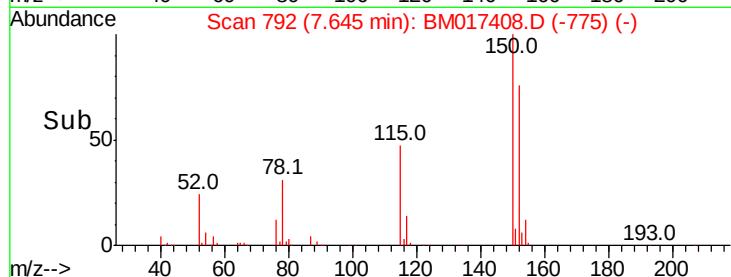
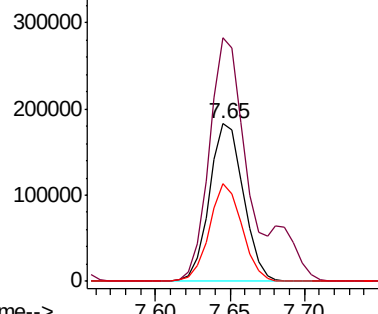


Abundance

Ion 152.00 (151.70 to 152.70): E

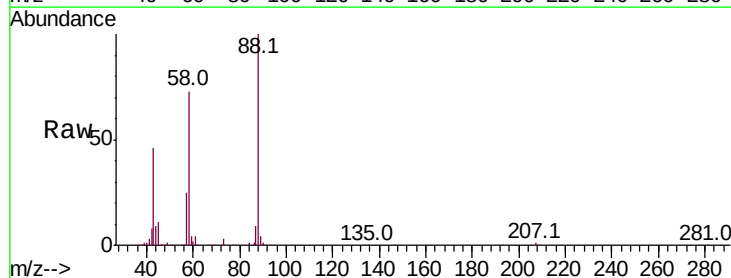
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 24.907 ng
 RT: 3.26 min Scan# 47
 Delta R.T. 0.01 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.8	50.2	75.4
43	43.8	19.3	28.9

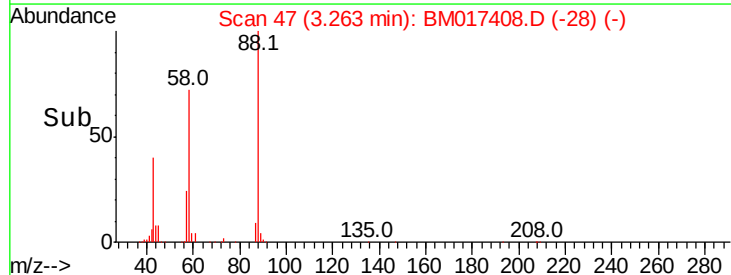
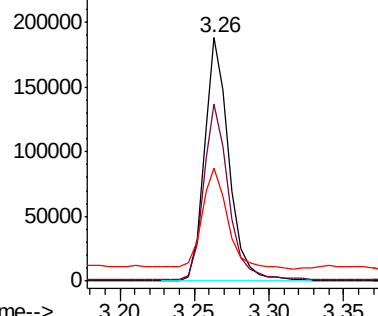


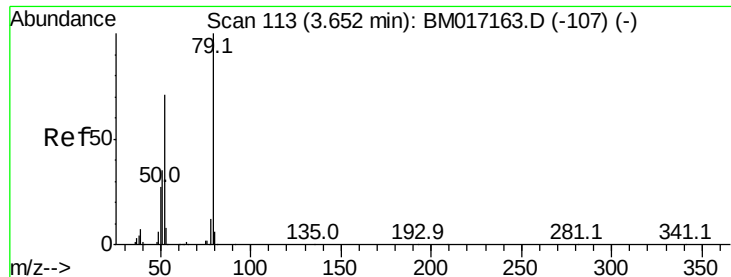
Abundance

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
 Pvridine
 Concen: 30.170 ng
 RT: 3.65 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

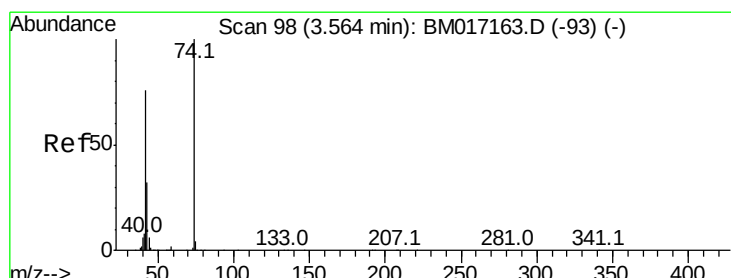
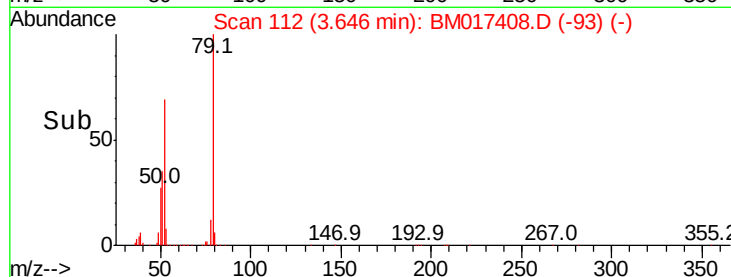
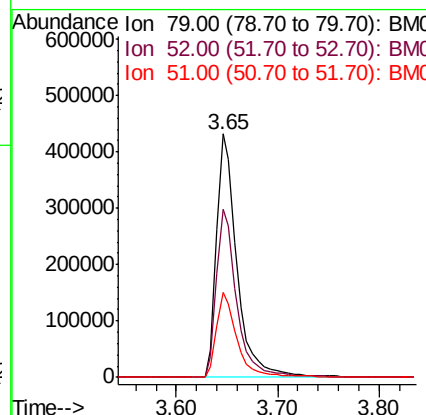
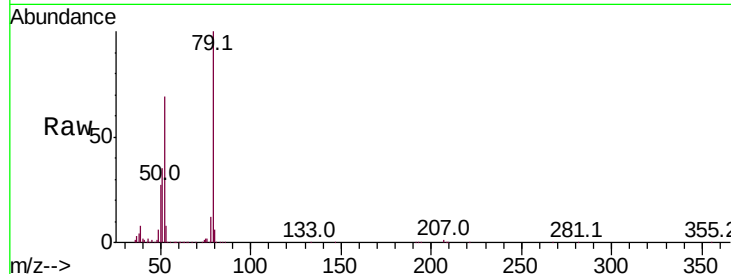
Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
79	100		
52	69.1	46.5	69.7
51	34.9	24.6	37.0

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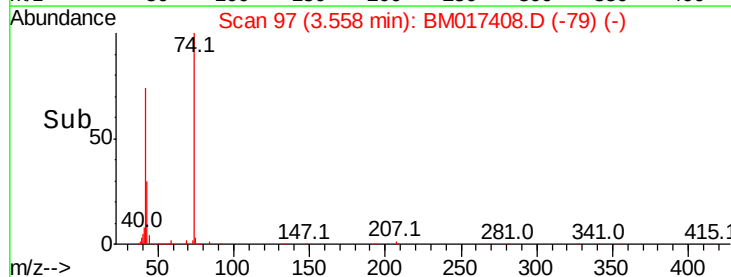
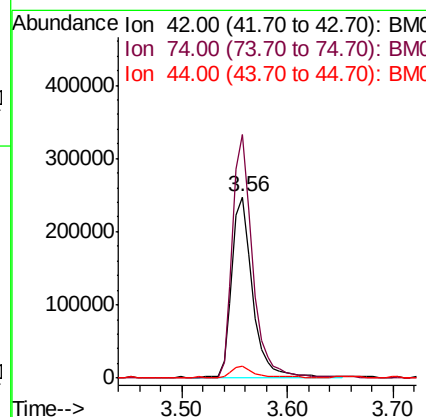
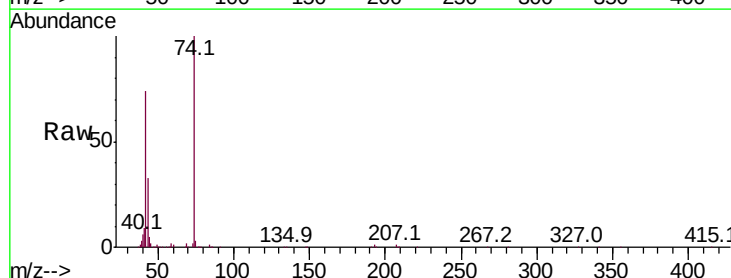
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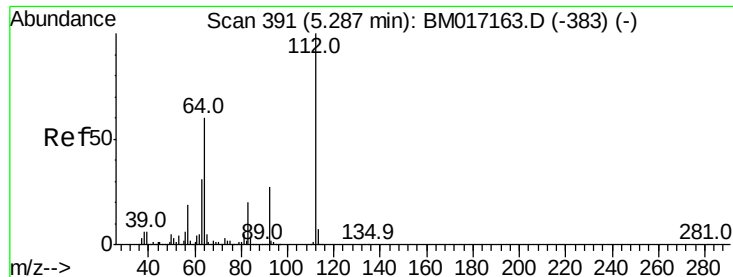
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#4
 n-Nitrosodimethylamine
 Concen: 41.187 ng
 RT: 3.56 min Scan# 97
 Delta R.T. 0.01 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	134.5	114.4	171.6
44	6.2	48.6	73.0#





#5

2-Fluorophenol

Concen: 108.727 ng

RT: 5.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:112 Resp: 1856379

Ion Ratio Lower Upper

112 100

64 58.1 41.7 62.5

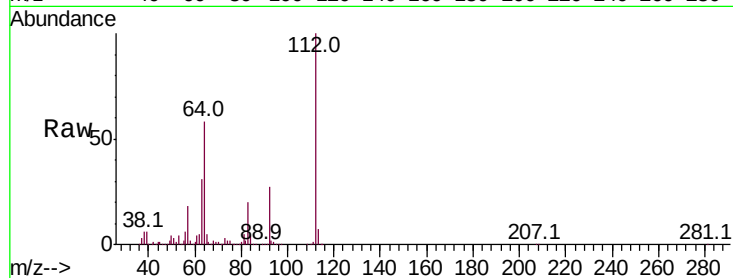
63 30.5 23.0 34.4

Manual Integrations

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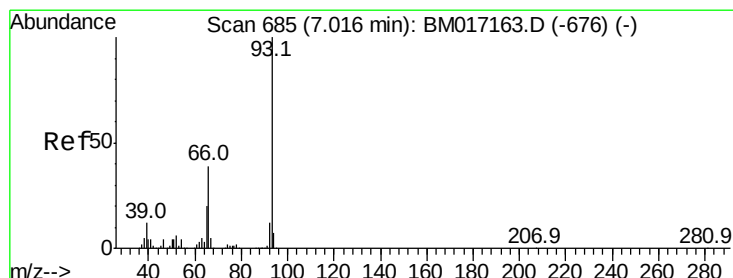
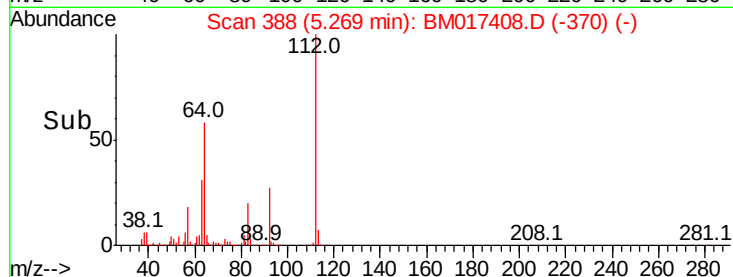
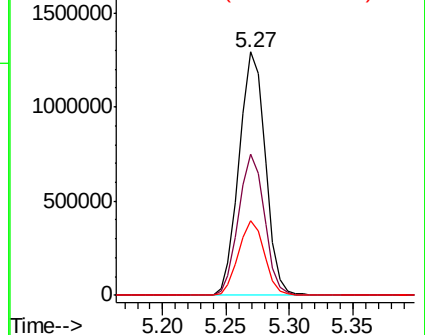
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 15.042 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

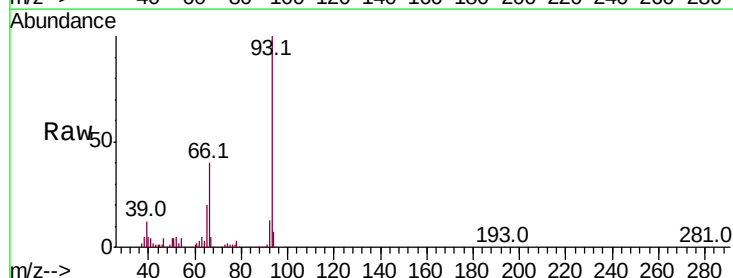
Tgt Ion: 93 Resp: 437494

Ion Ratio Lower Upper

93 100

66 40.3 30.4 45.6

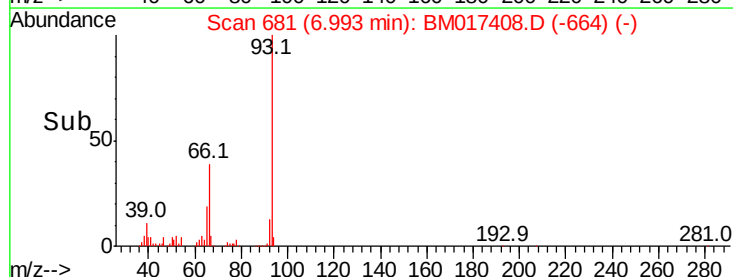
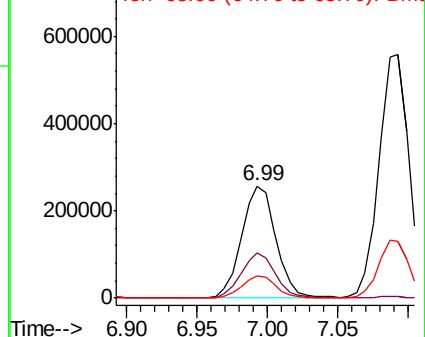
65 20.1 15.3 22.9

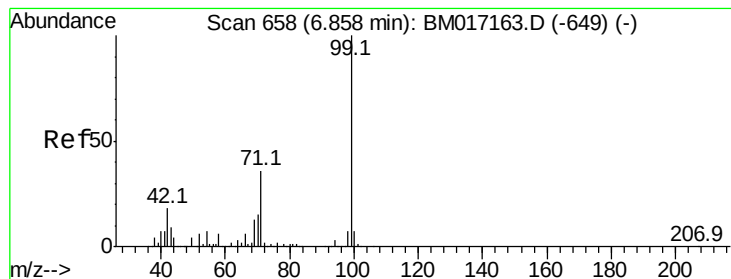


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 103.347 ng

RT: 6.84 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM017408.D

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ClientSampleId :

RBR-200030MSD

Tot Ion: 99 Resp: 2403168

Ion Ratio Lower Upper

99 100

42 16.7 13.3 19.9

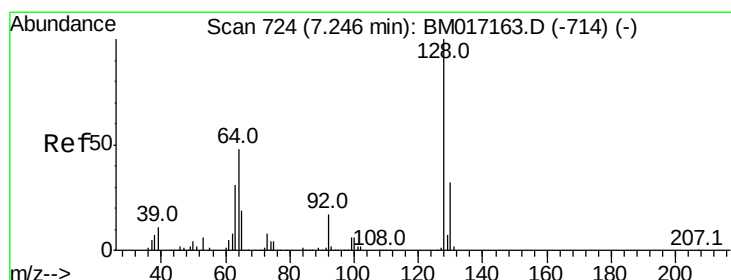
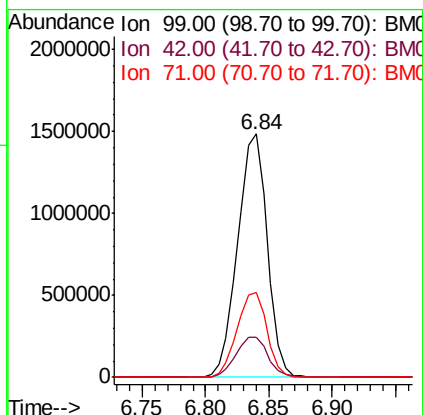
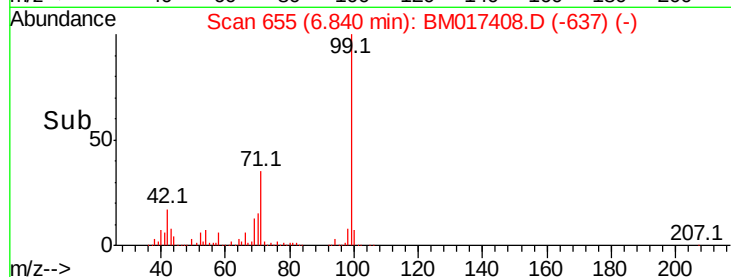
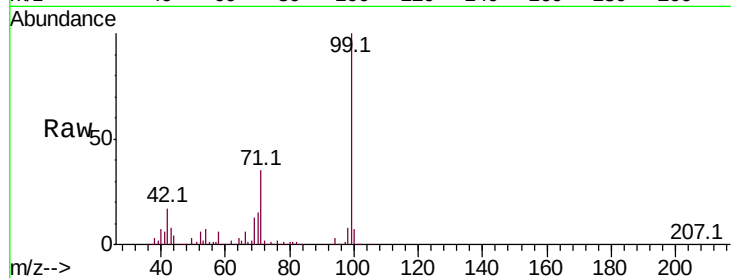
71 34.9 28.0 42.0

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#8

2-Chlorophenol

Concen: 47.402 ng

RT: 7.22 min Scan# 720

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

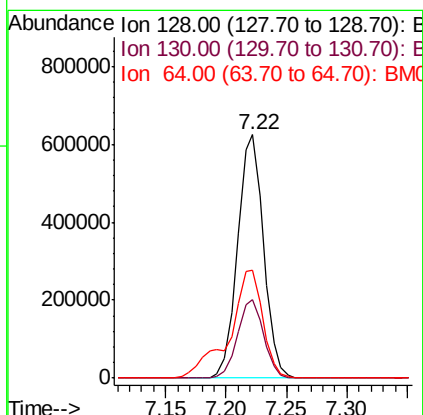
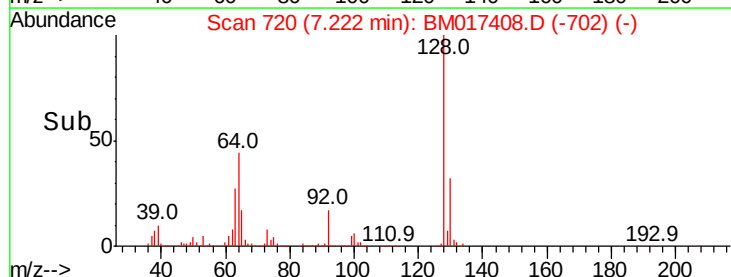
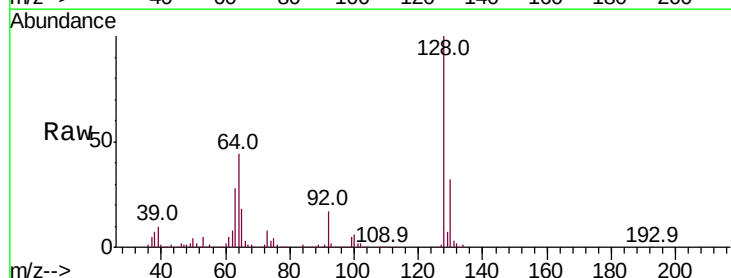
Tgt Ion: 128 Resp: 936305

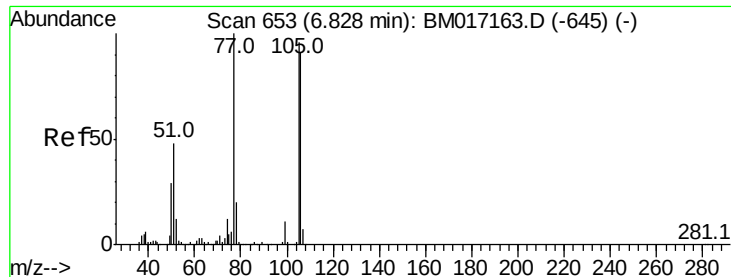
Ion Ratio Lower Upper

128 100

130 32.3 11.0 51.0

64 44.2 24.1 64.1





#9

Benzaldehyde

Concen: 10.810 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampled :

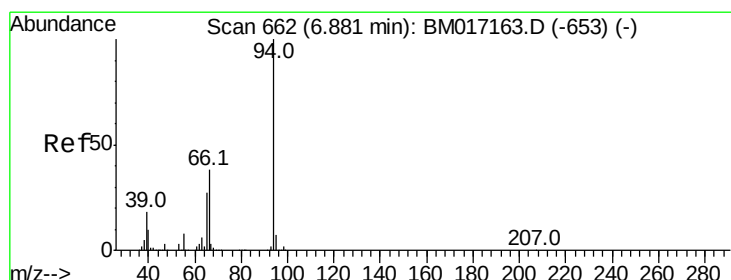
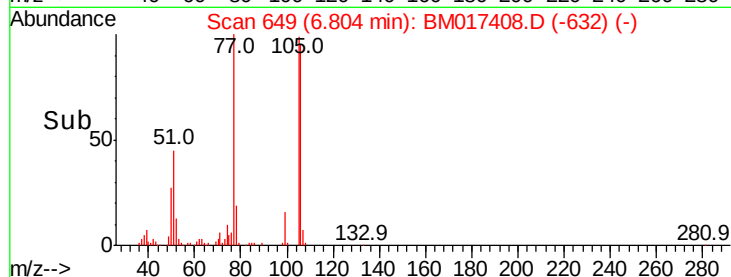
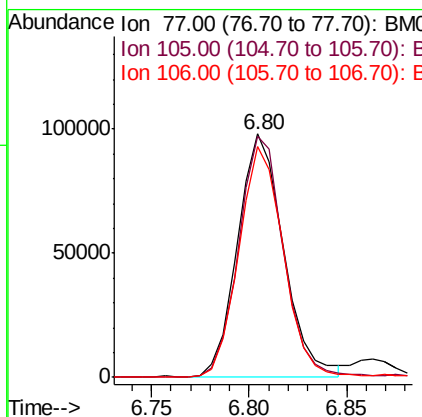
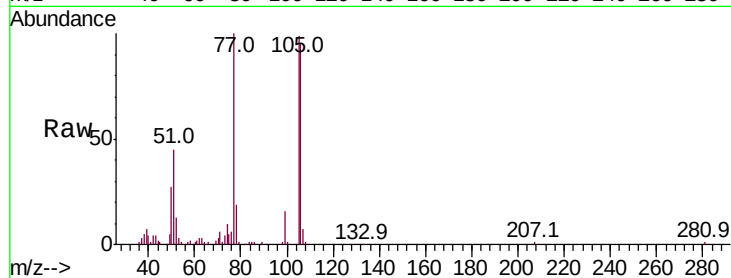
RBR-200030MSD

Tot Ion:	77	Resp:	160281
Ion	Ratio	Lower	Upper
77	100		
105	99.1	83.9	123.9
106	94.8	78.2	118.2

Manual Integrations
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#10

Phenol

Concen: 41.157 ng

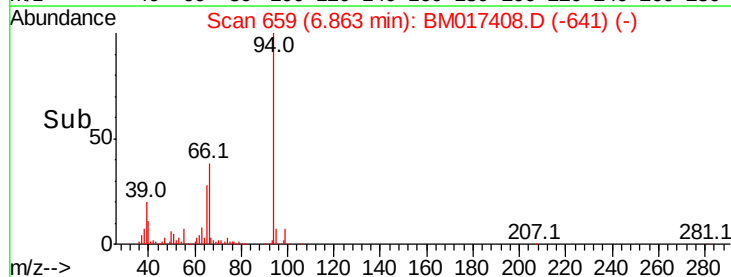
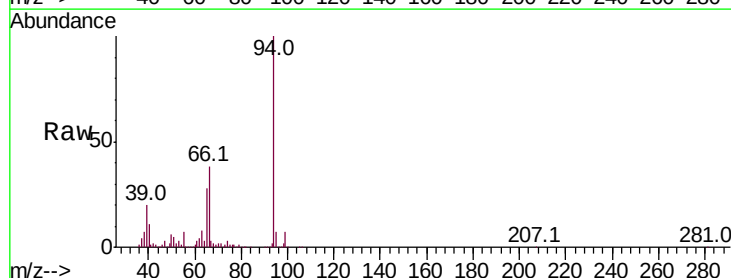
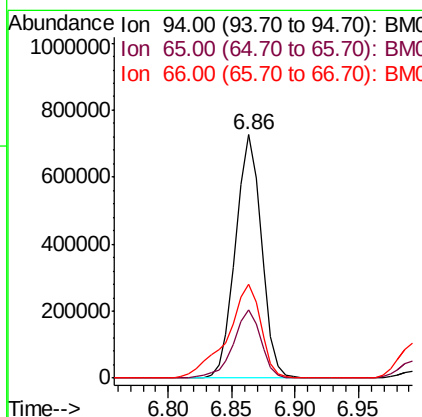
RT: 6.86 min Scan# 659

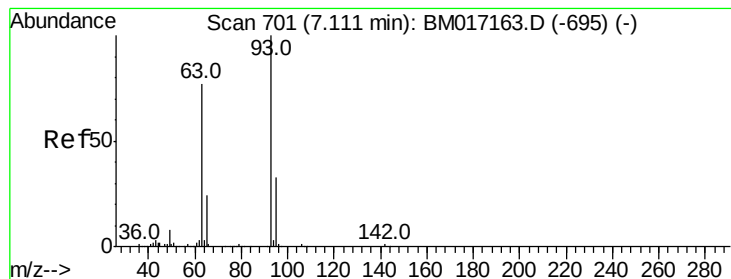
Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Tgt Ion:	94	Resp:	1030004
Ion	Ratio	Lower	Upper
94	100		
65	28.0	9.4	49.4
66	38.4	19.0	59.0





#11
bis(2-Chloroethyl)ether
Concen: 41.245 ng
RT: 7.09 min Scan# 698
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

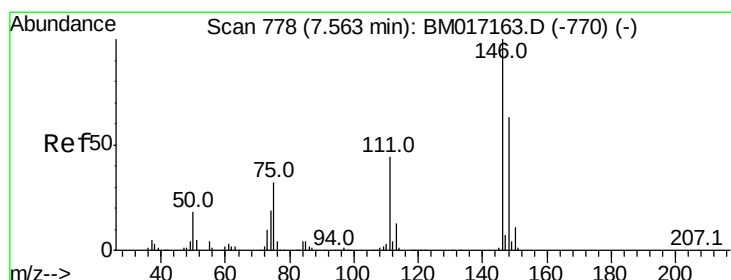
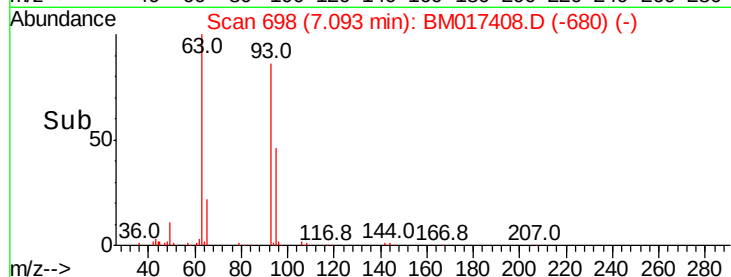
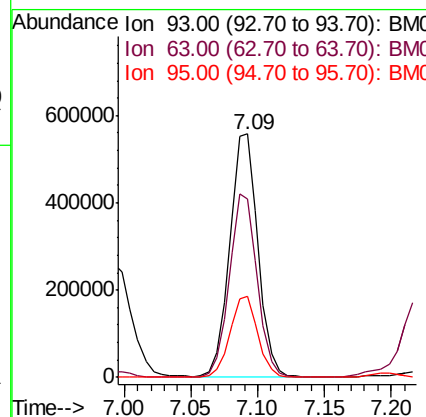
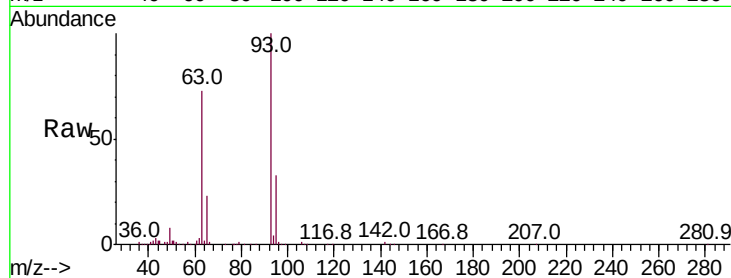
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.4	54.0	94.0
95	33.1	11.8	51.8

Manual Integrations
APPROVED

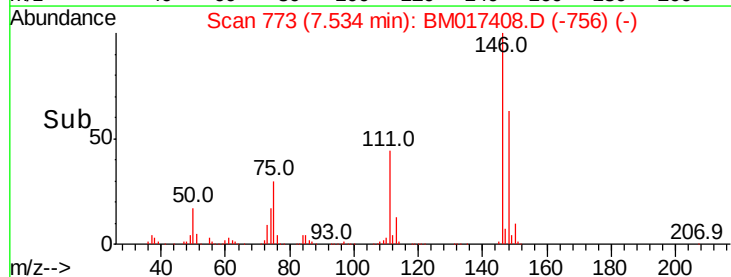
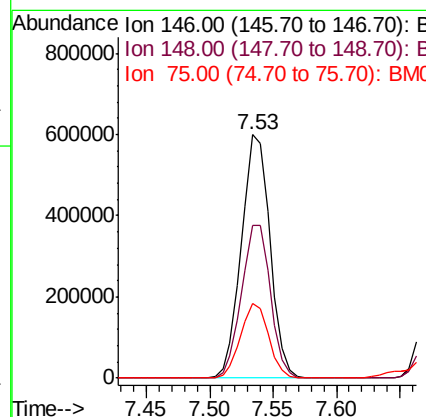
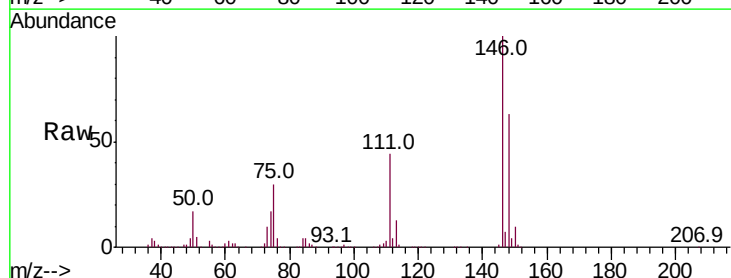
Sohil

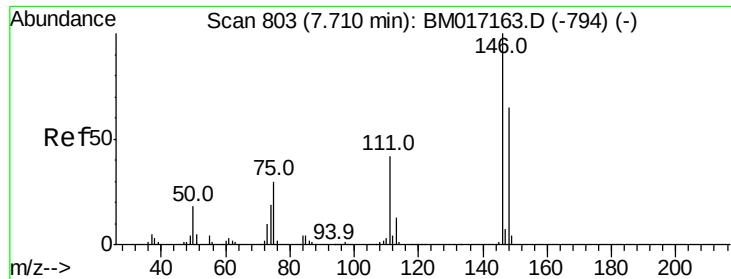
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#12
1,3-Dichlorobenzene
Concen: 40.672 ng
RT: 7.53 min Scan# 773
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.2	75.4
75	30.5	23.3	34.9





#13
1,4-Dichlorobenzene
Concen: 40.274 ng
RT: 7.68 min Scan# 798
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

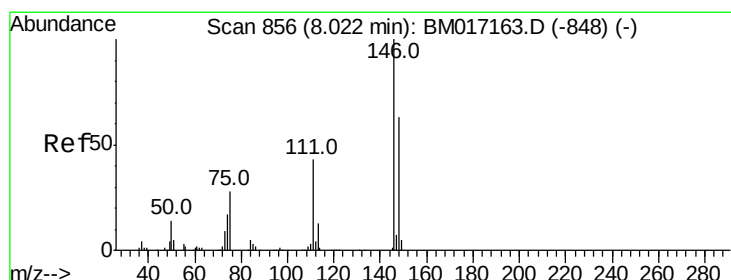
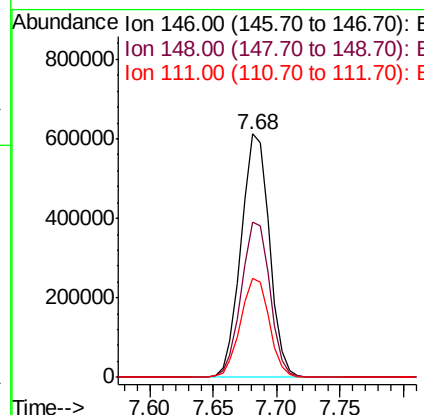
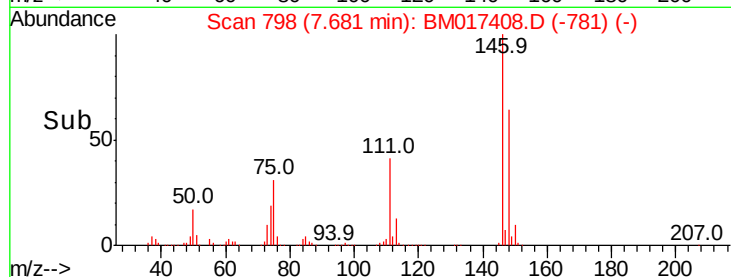
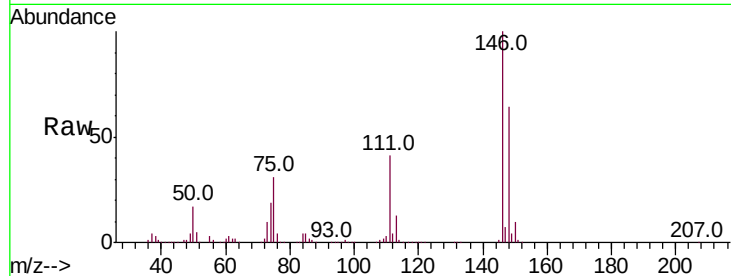
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	49.8	74.6
111	40.9	32.1	48.1

Manual Integrations
APPROVED

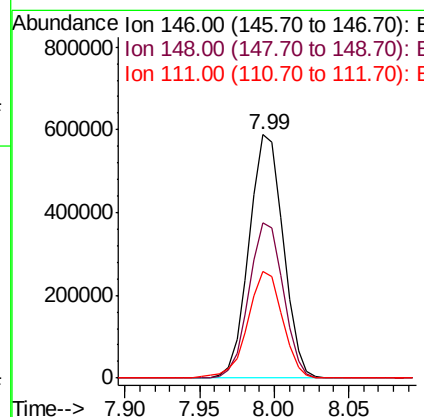
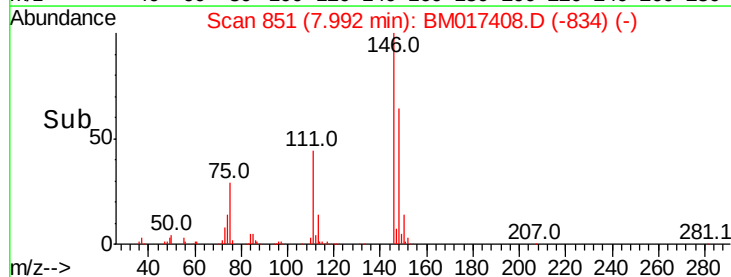
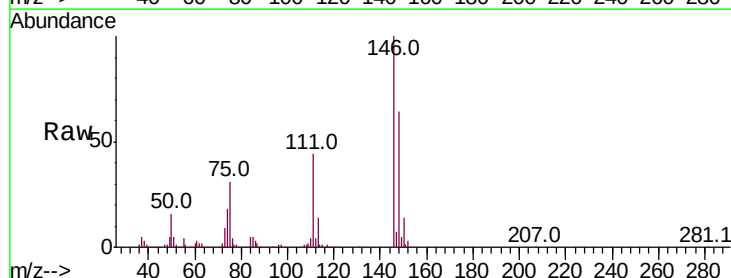
Sohil

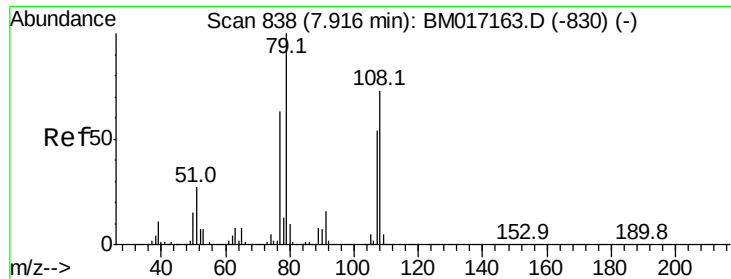
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#14
1,2-Dichlorobenzene
Concen: 40.923 ng
RT: 7.99 min Scan# 851
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	43.7	33.8	50.6





#15

Benzyl Alcohol

Concen: 50.141 ng

RT: 7.90 min Scan# 835

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion: 79 Resp: 852250

Ion Ratio Lower Upper

79 100

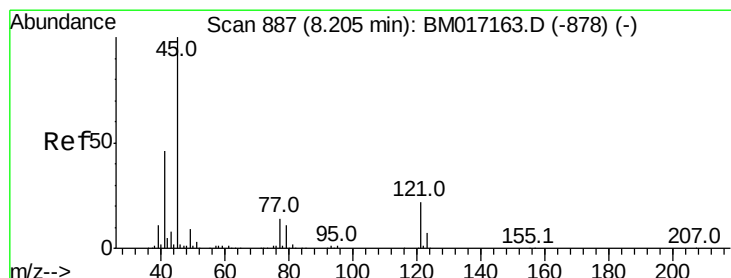
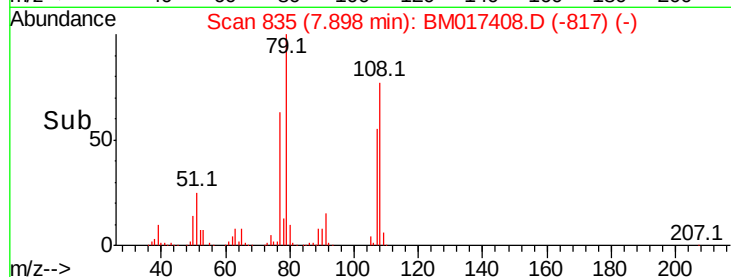
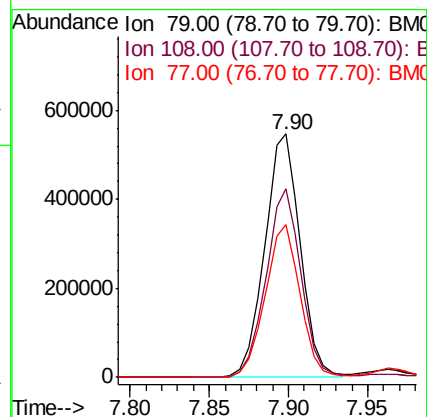
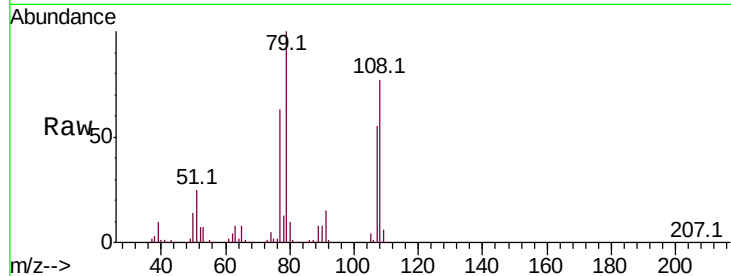
108 77.3 60.3 90.5

77 62.9 54.8 82.2

Manual Integrations
APPROVED

Sohil

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.040 ng

RT: 8.18 min Scan# 883

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

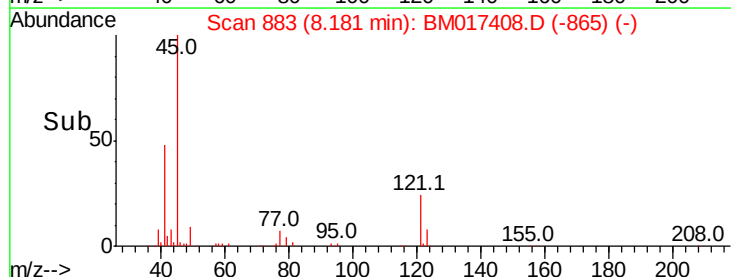
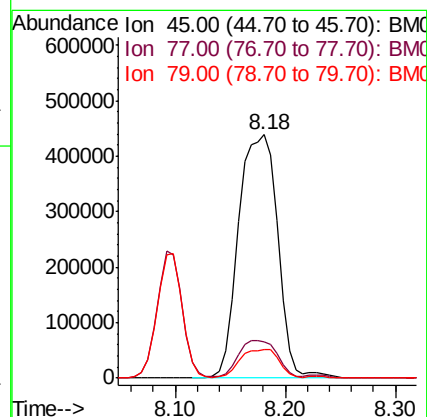
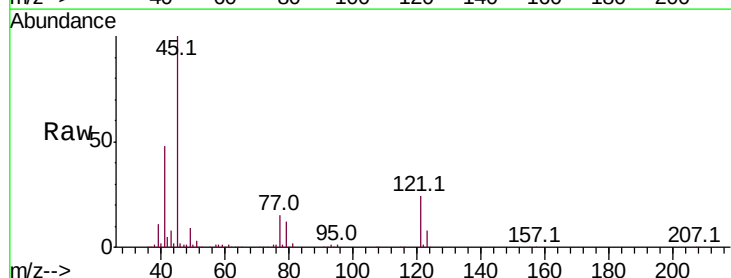
Tgt Ion: 45 Resp: 1088139

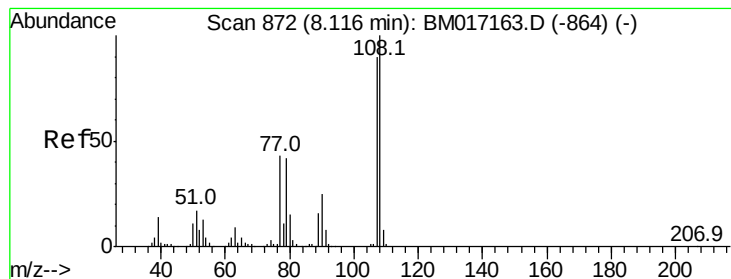
Ion Ratio Lower Upper

45 100

77 14.9 0.0 35.5

79 12.0 0.0 32.1





#17
2-Methylphenol
Concen: 48.533 ng
RT: 8.10 min Scan# 869
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

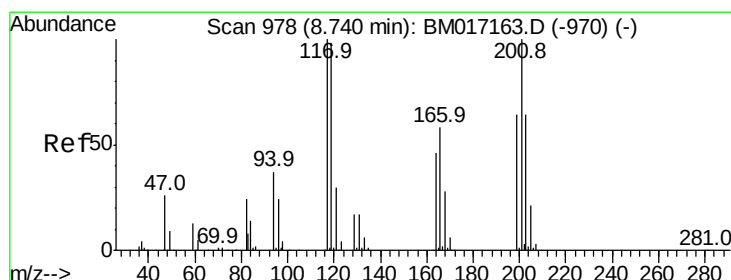
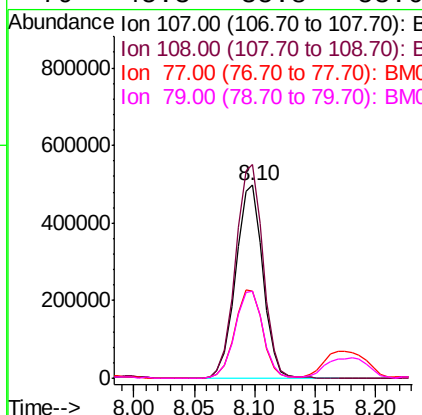
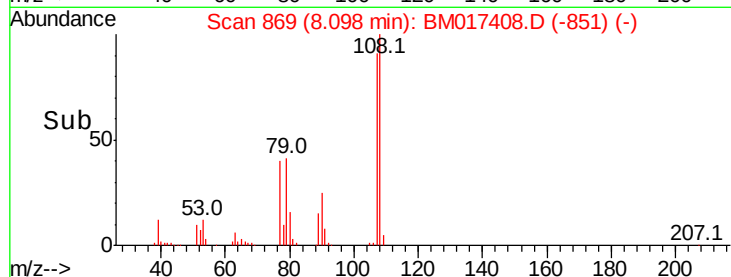
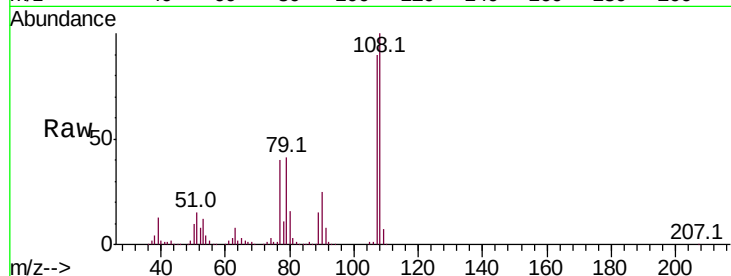
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	110.6	90.3	135.5		
77	44.8	37.0	55.4		
79	45.3	35.8	53.6		

Manual Integrations
APPROVED

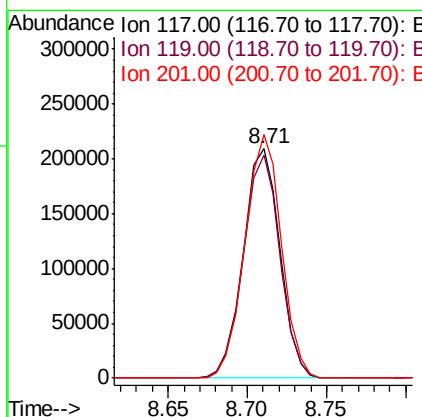
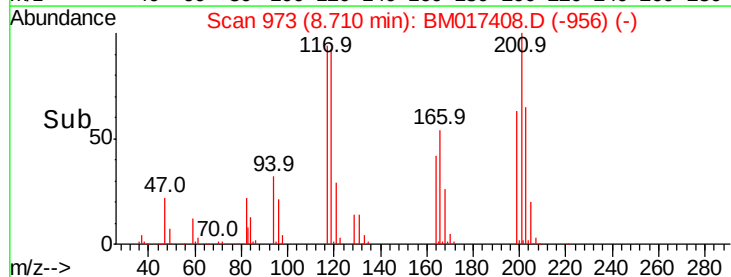
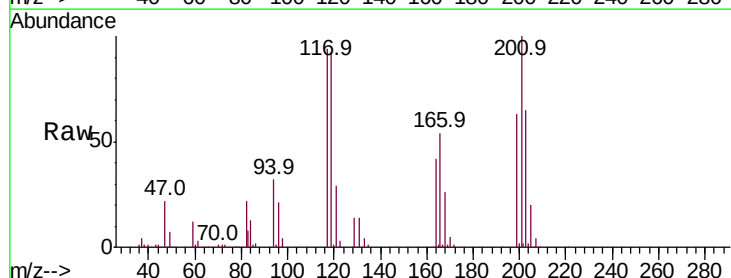
Sohil

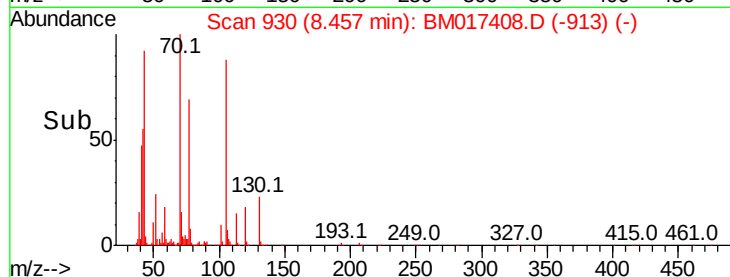
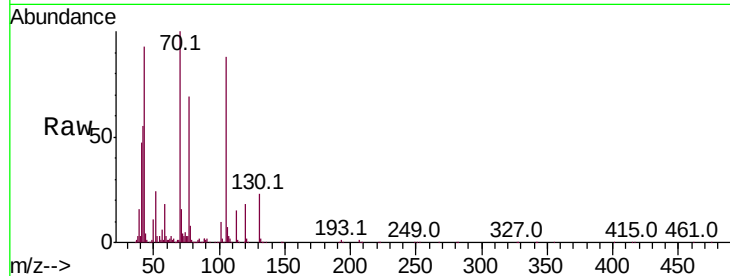
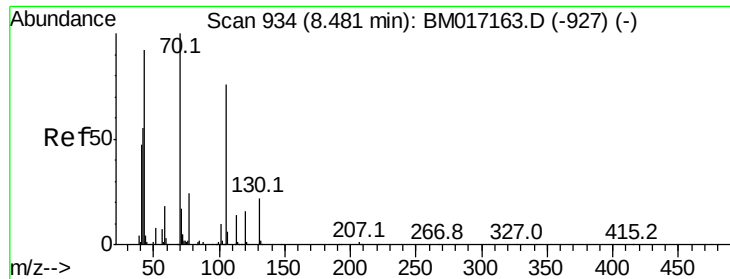
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#18
Hexachloroethane
Concen: 41.903 ng
RT: 8.71 min Scan# 973
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	97.3	78.2	117.2		
201	106.3	85.3	127.9		





#19
n-Nitroso-di-n-propylamine
Concen: 46.041 ng
RT: 8.46 min Scan# 930
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

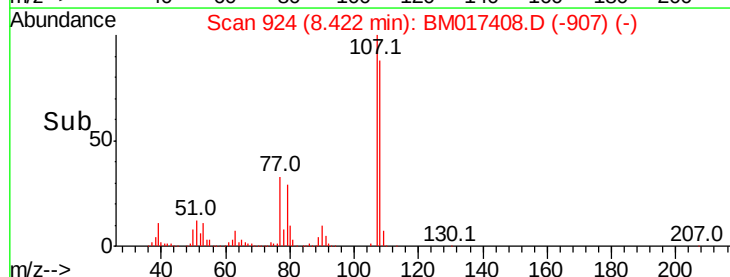
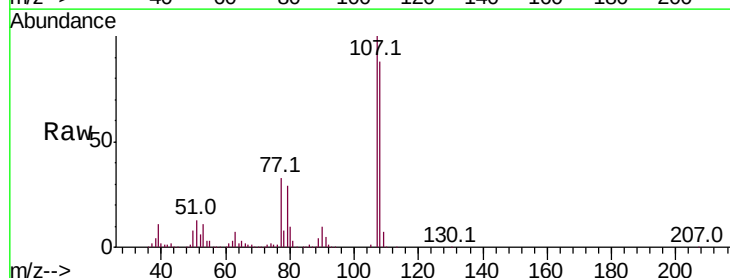
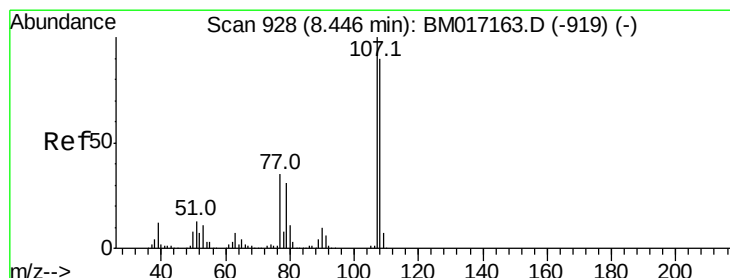
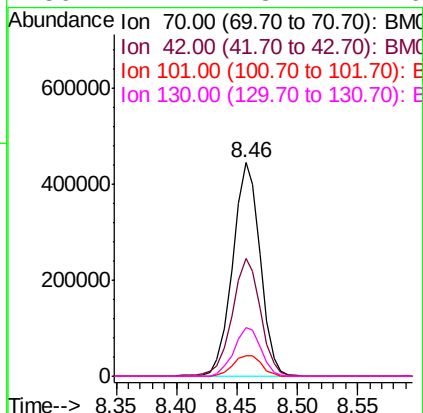
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	54.9	46.1	69.1	
101	9.9	8.2	12.4	
130	22.7	18.4	27.6	

Manual Integrations
APPROVED

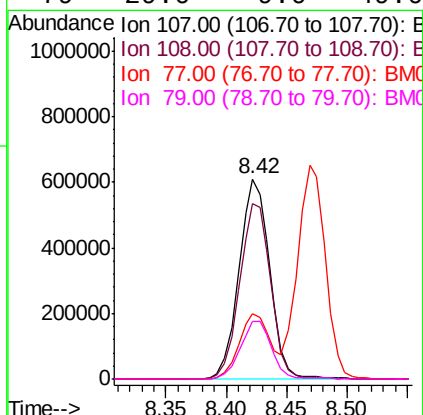
Sohil

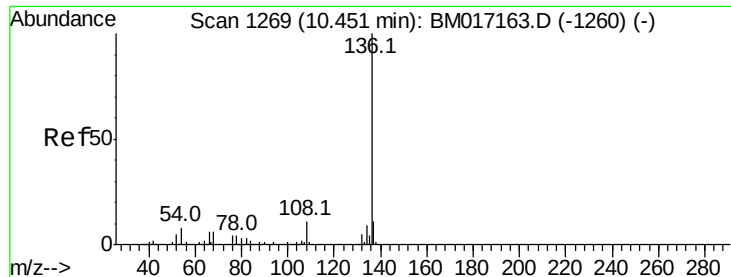
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#20
3+4-Methylphenols
Concen: 49.107 ng
RT: 8.42 min Scan# 924
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.9	69.9	109.9	
77	32.7	12.2	52.2	
79	29.0	9.0	49.0	





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.42 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

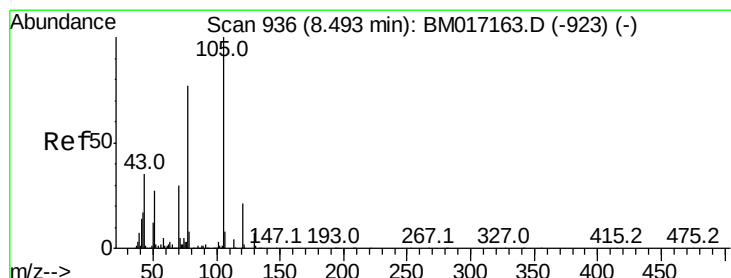
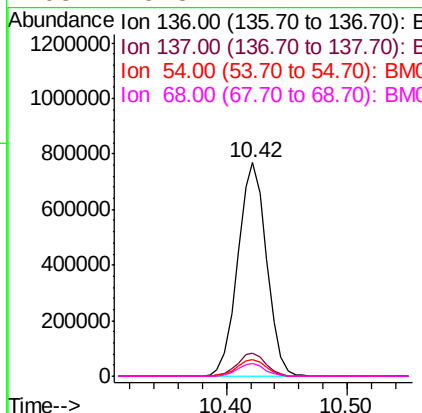
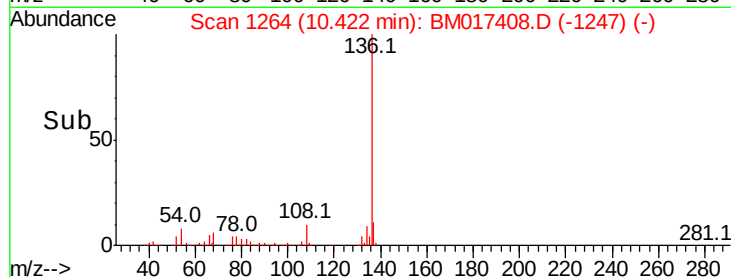
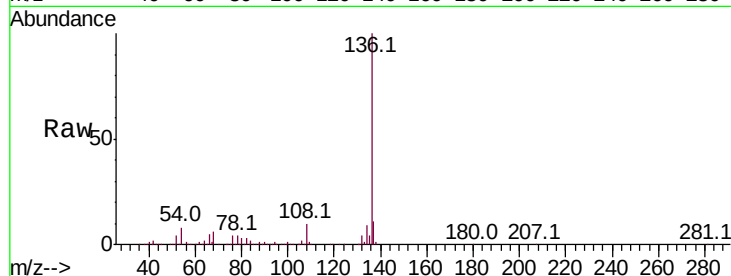
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.9	6.7	10.1
68	5.8	4.7	7.1

Manual Integrations
APPROVED

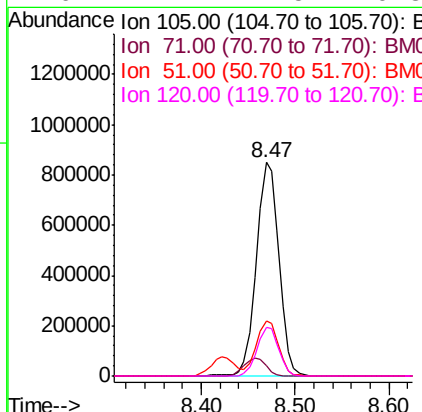
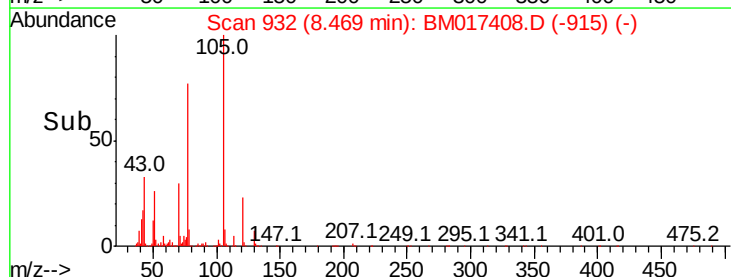
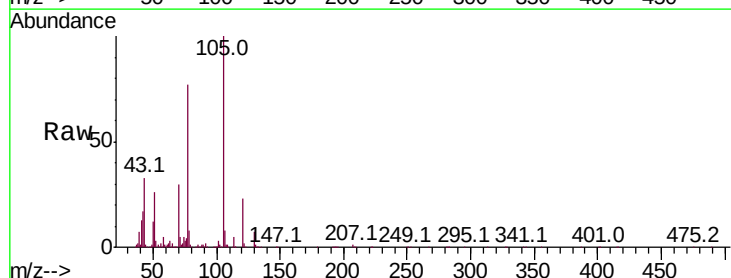
Sohil

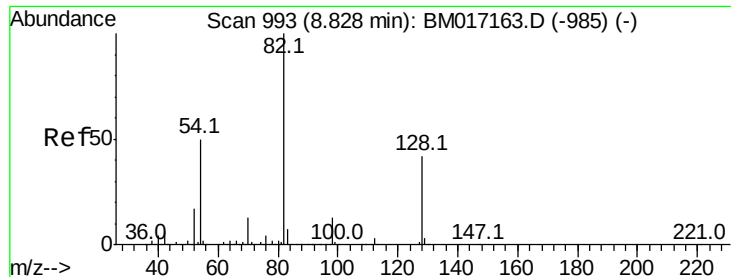
10/30/2018 4:43:05 PM



#22
Acetophenone
Concen: 43.649 ng
RT: 8.47 min Scan# 932
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.0	3.0#
51	26.1	20.6	31.0
120	22.7	17.5	26.3





#23
Nitrobenzene-d5
Concen: 77.485 ng
RT: 8.80 min Scan# 989
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

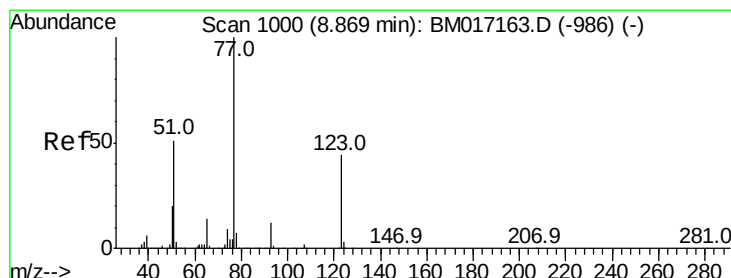
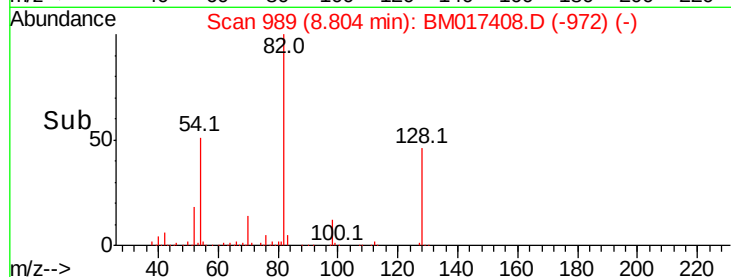
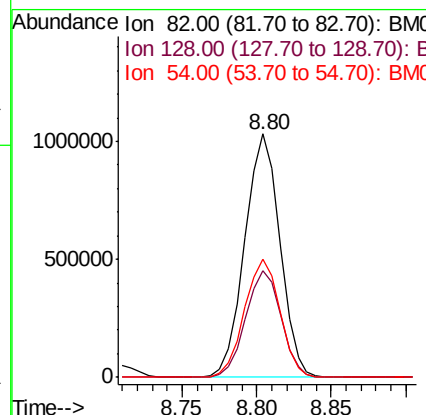
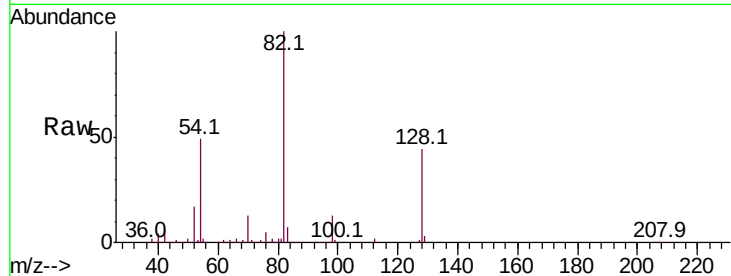
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion: 82 Resp: 1684776
Ion Ratio Lower Upper
82 100
128 44.0 37.0 55.6
54 48.6 40.7 61.1

Manual Integrations
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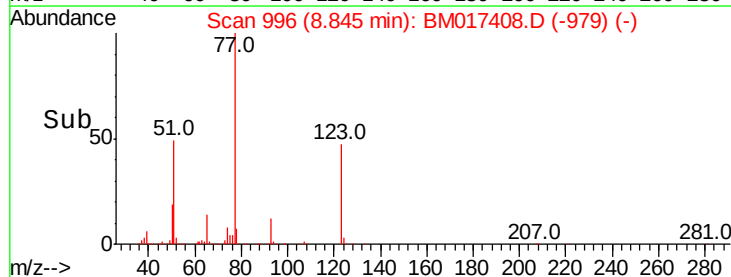
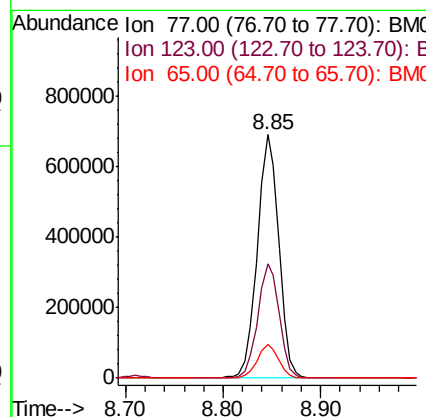
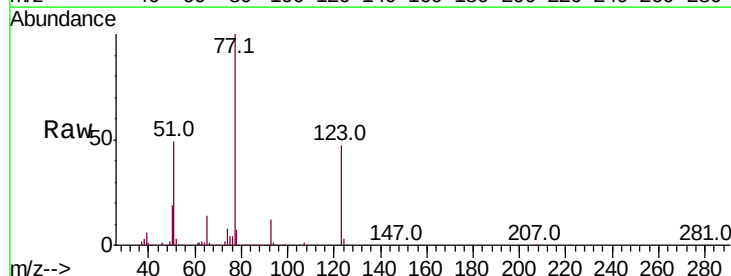
Sohil

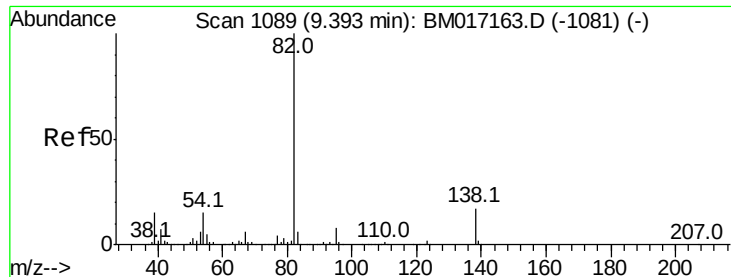
10/30/2018 4:43:05 PM



#24
Nitrobenzene
Concen: 46.205 ng
RT: 8.85 min Scan# 996
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion: 77 Resp: 1062681
Ion Ratio Lower Upper
77 100
123 46.9 40.2 60.4
65 13.9 11.4 17.0





#25

Isophorone

Concen: 54.517 ng

RT: 9.37 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion: 82 Resp: 1957380

Ion Ratio Lower Upper

82 100

95 7.5 6.0 9.0

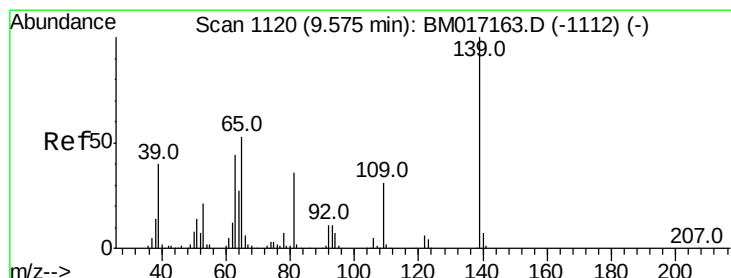
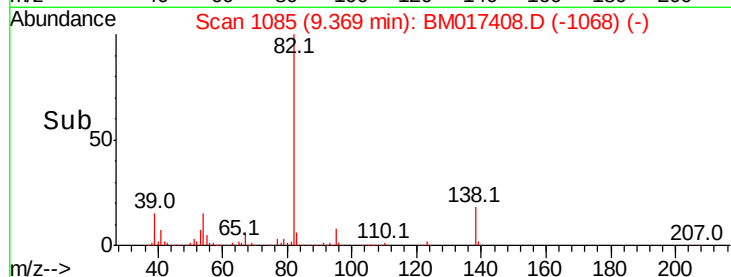
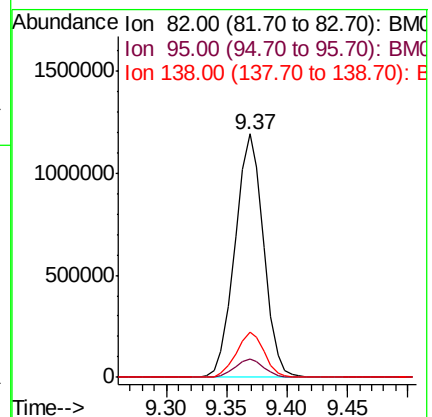
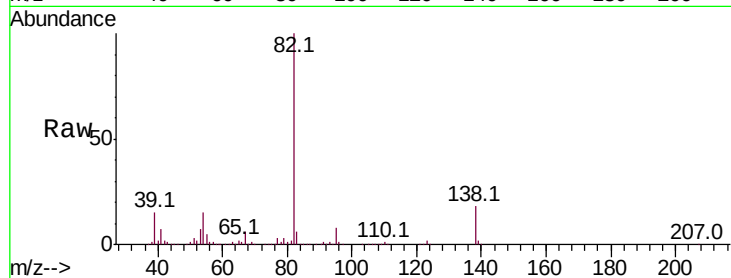
138 18.4 15.4 23.2

Manual Integrations

APPROVED

Sohil

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#26

2-Nitrophenol

Concen: 49.122 ng

RT: 9.55 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

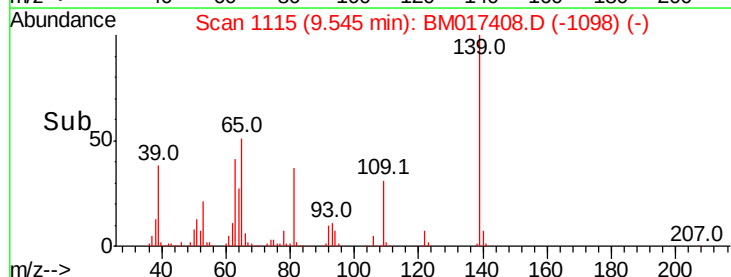
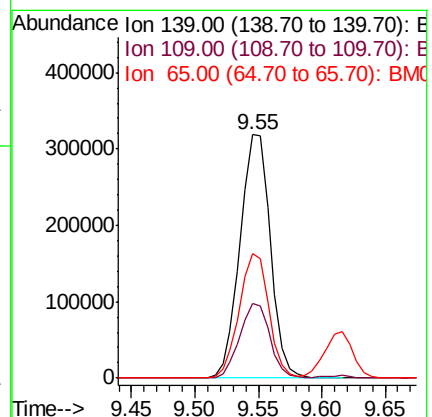
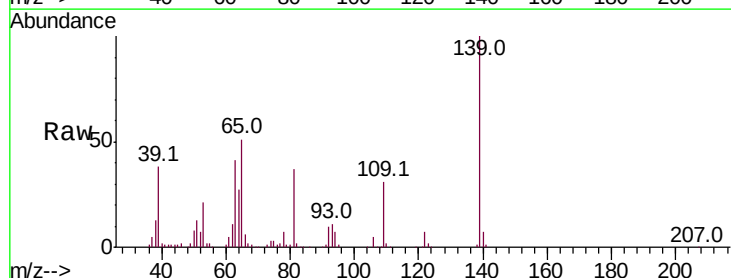
Tgt Ion: 139 Resp: 530373

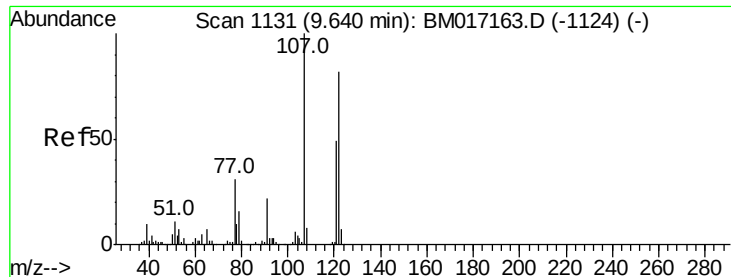
Ion Ratio Lower Upper

139 100

109 30.6 23.2 34.8

65 50.9 40.6 61.0





#27
2,4-Dimethylphenol
Concen: 58.187 ng
RT: 9.62 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

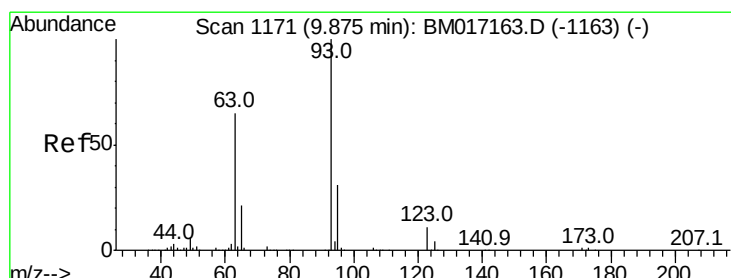
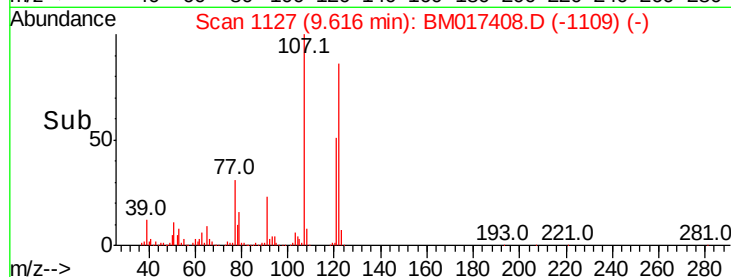
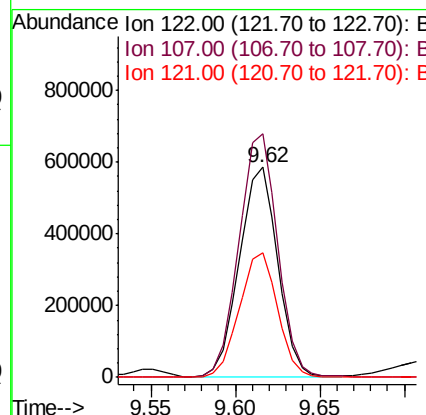
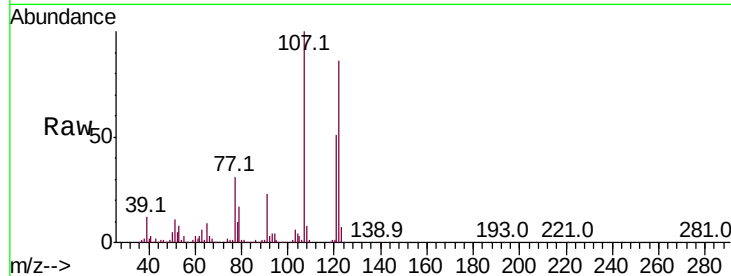
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.0	95.0	142.6
121	59.3	48.2	72.4

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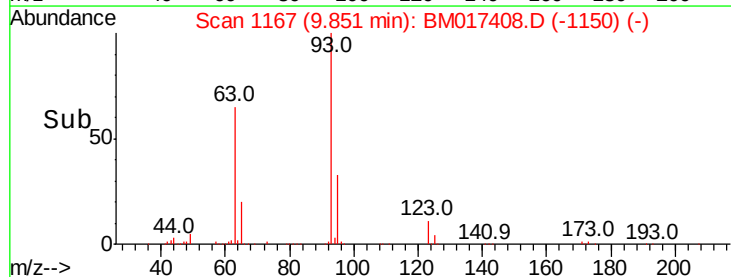
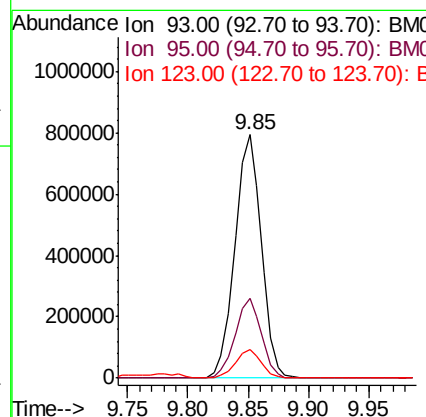
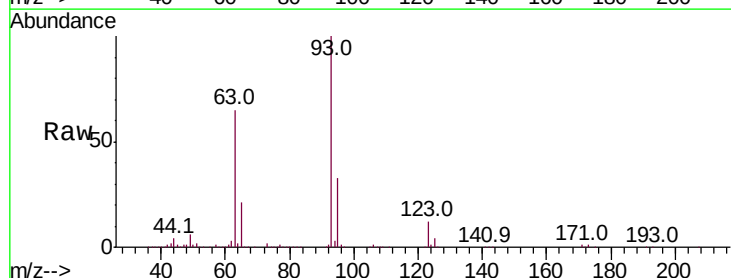
Sohil

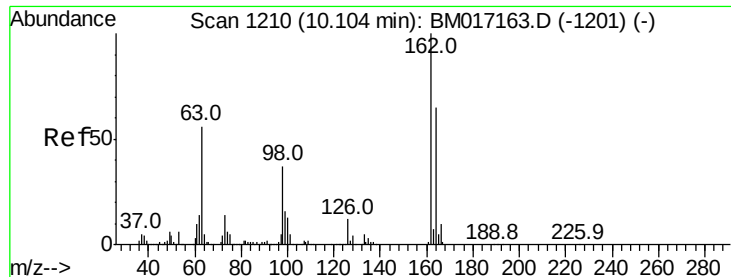
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#28
bis(2-Chloroethoxy)methane
Concen: 47.730 ng
RT: 9.85 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.7	38.5
123	11.7	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 52.070 ng
RT: 10.07 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

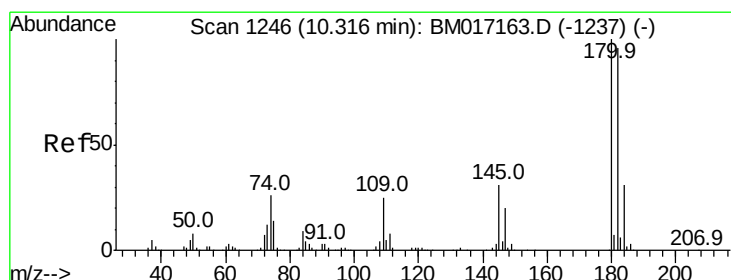
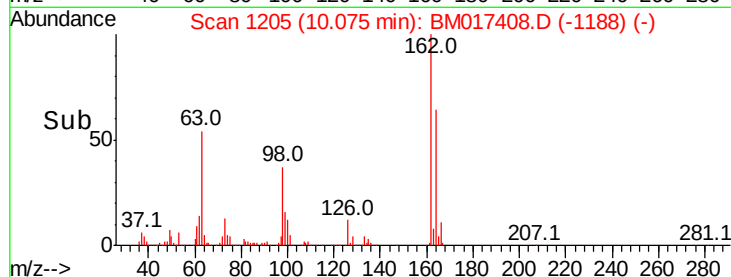
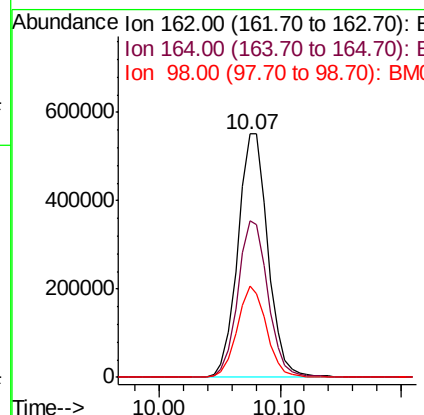
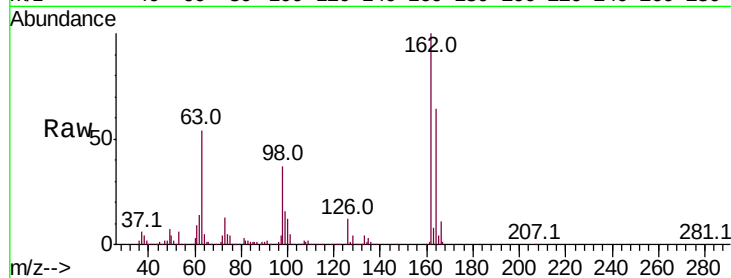
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	959831		
164	64.3	44.9	84.9	
98	37.3	15.8	55.8	

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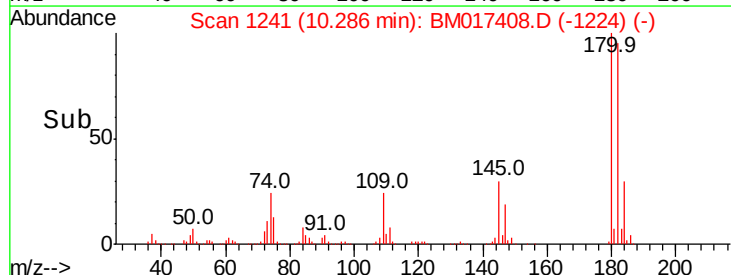
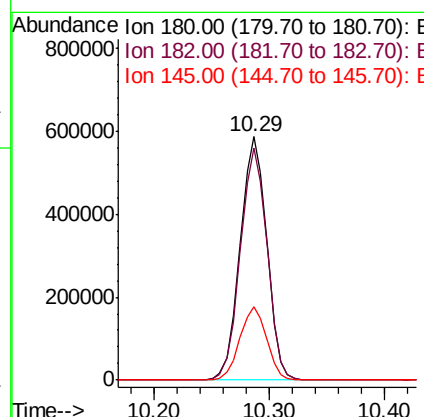
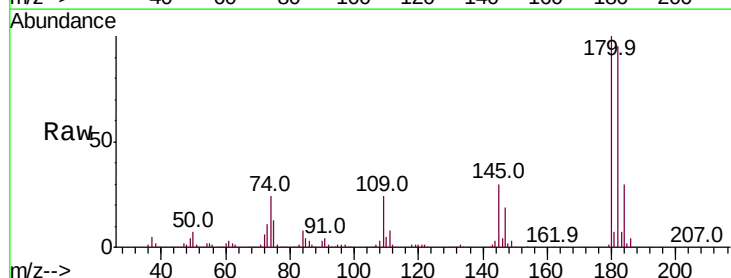
Sohil

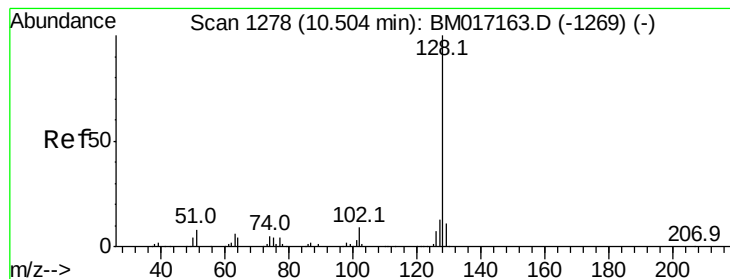
10/30/2018 4:43:05 PM



#30
1,2,4-Trichlorobenzene
Concen: 42.310 ng
RT: 10.29 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	935591		
182	95.1	77.5	116.3	
145	30.1	24.0	36.0	





#31

Naphthalene

Concen: 46.785 ng

RT: 10.47 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:128 Resp: 2915571

Ion Ratio Lower Upper

128 100

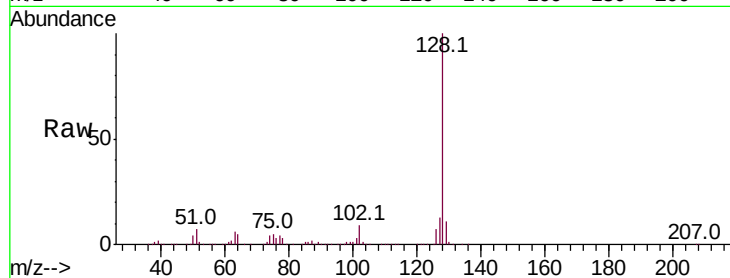
129 10.5 8.5 12.7

127 13.3 10.3 15.5

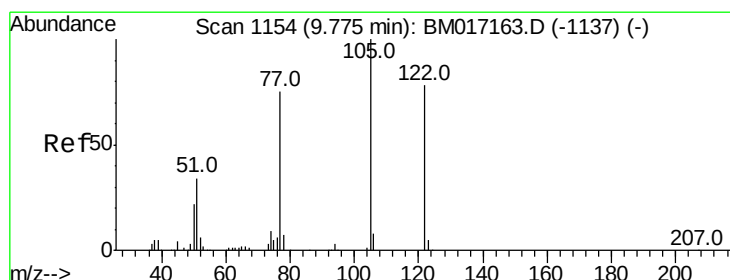
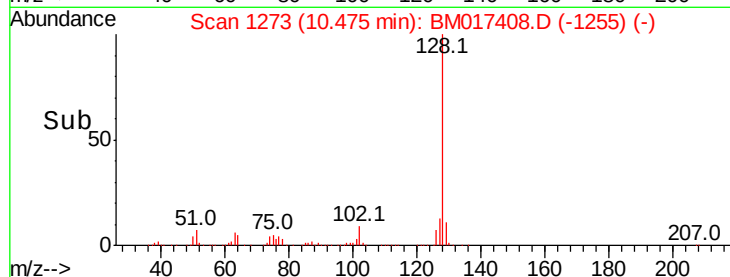
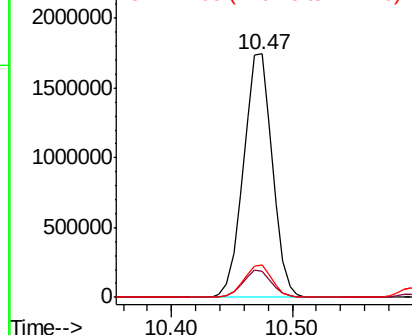
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 52.069 ng

RT: 9.79 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

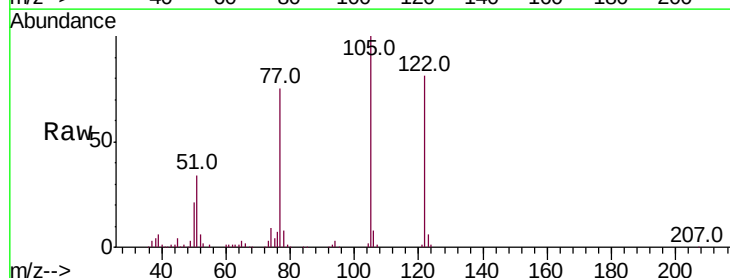
Tgt Ion:122 Resp: 616803

Ion Ratio Lower Upper

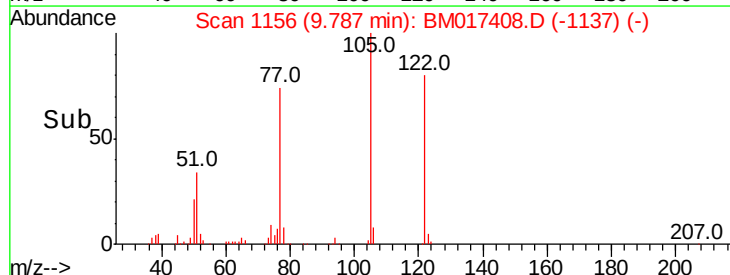
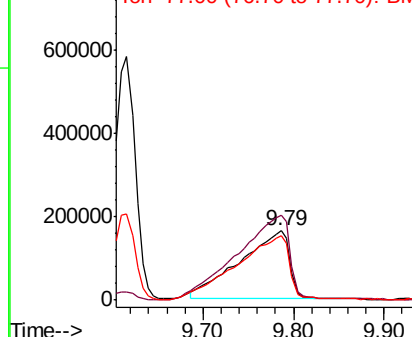
122 100

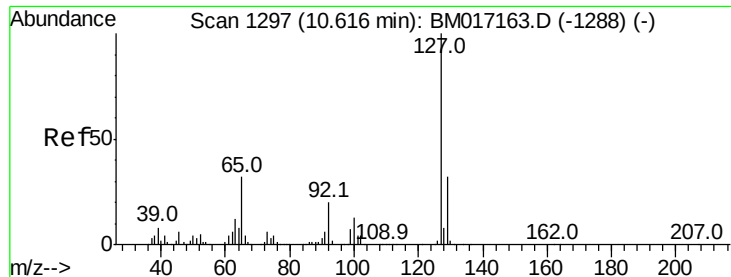
105 123.7 102.0 142.0

77 92.8 67.7 107.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E





#33
4-Chloroaniline
Concen: 5.046 ng
RT: 10.60 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

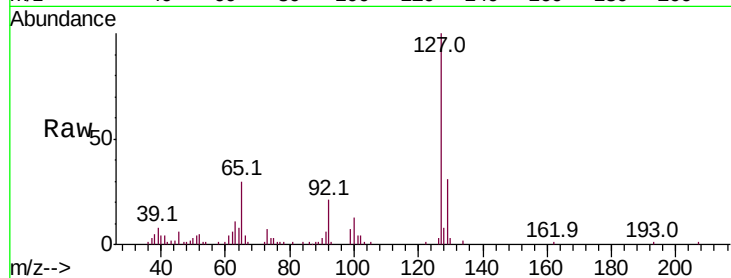
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.2	39.4
65	30.3	23.7	35.5
92	20.9	14.3	21.5

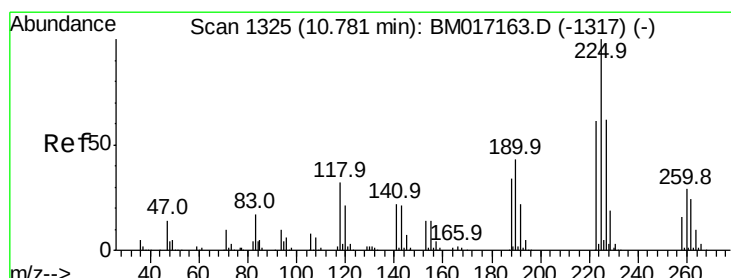
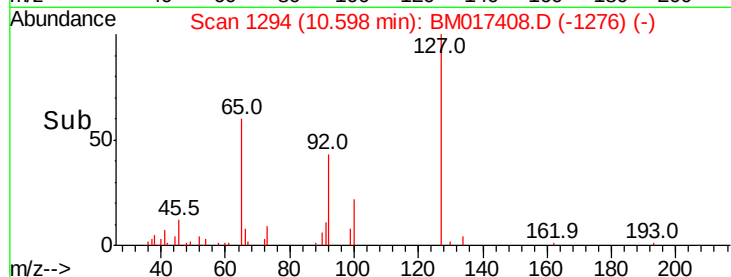
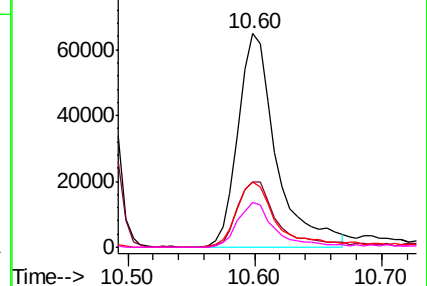
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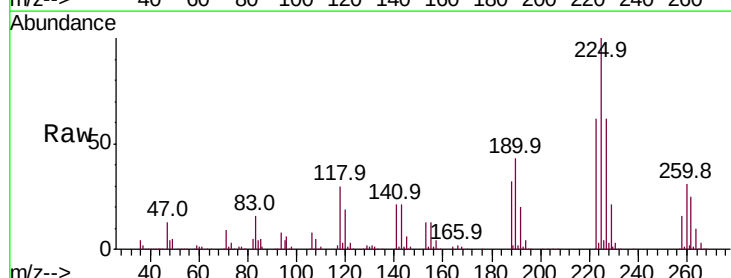


Abundance Ion 127.00 (126.70 to 127.70): E
100000 Ion 129.00 (128.70 to 129.70): E
80000 Ion 65.00 (64.70 to 65.70): BM
60000 Ion 92.00 (91.70 to 92.70): BM
40000
20000
0

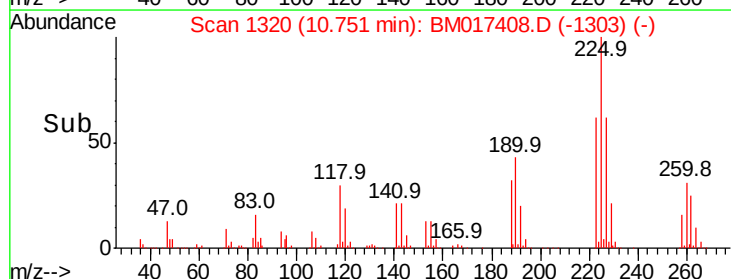
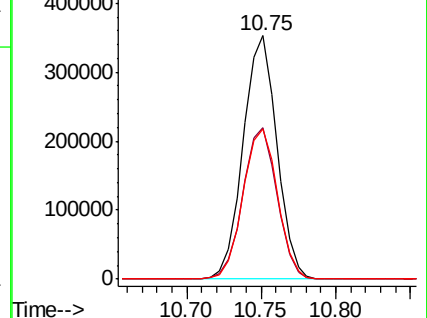


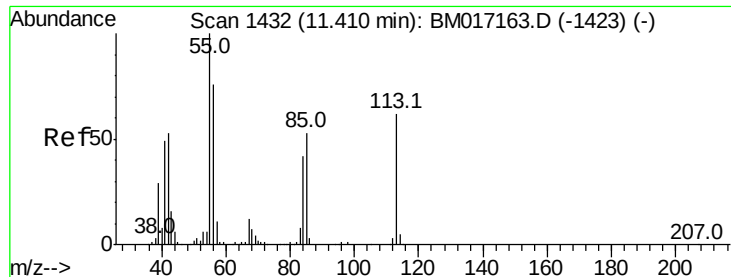
#34
Hexachlorobutadiene
Concen: 39.468 ng
RT: 10.75 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.0	76.6
227	61.8	50.8	76.2



Abundance Ion 225.00 (224.70 to 225.70): E
400000 Ion 223.00 (222.70 to 223.70): E
300000 Ion 227.00 (226.70 to 227.70): E
200000
100000
0





#35

Caprolactam

Concen: 40.614 ng/ml

RT: 11.40 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:113 Resp: 272836

Ion Ratio Lower Upper

113 100

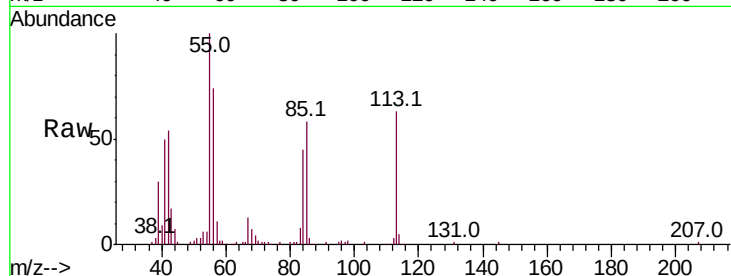
55 159.8 147.0 187.0

56 118.4 104.5 144.5

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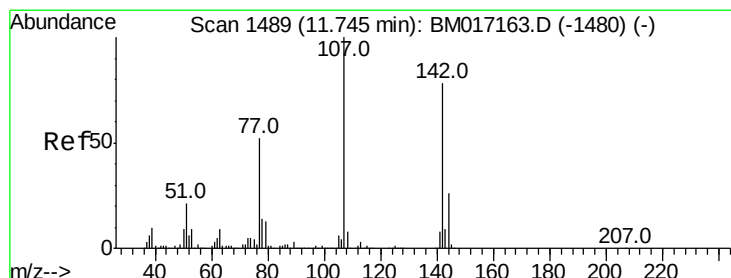
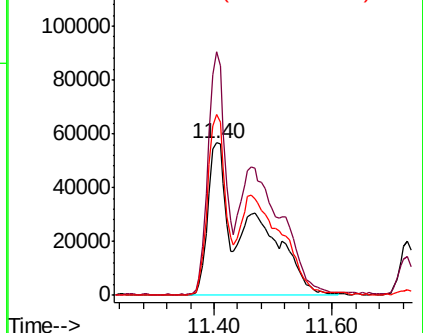
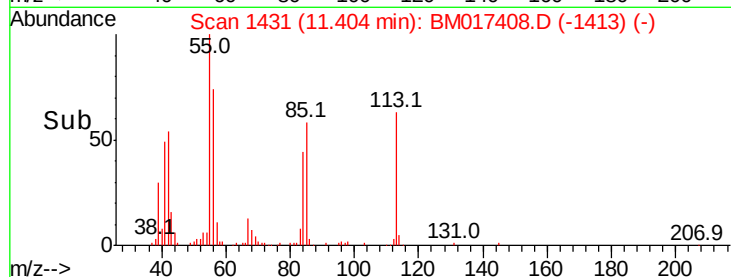
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 52.824 ng/ml

RT: 11.73 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

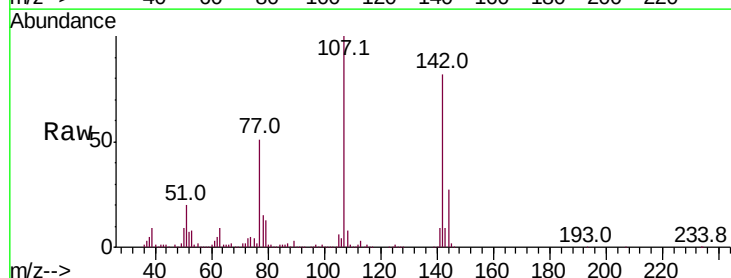
Tgt Ion:107 Resp: 1097594

Ion Ratio Lower Upper

107 100

144 27.2 21.6 32.4

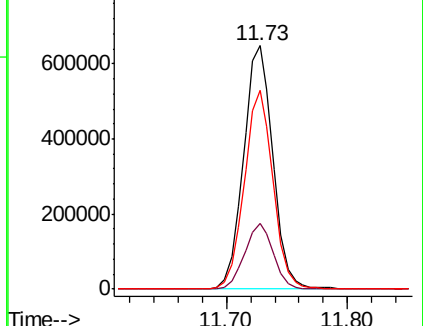
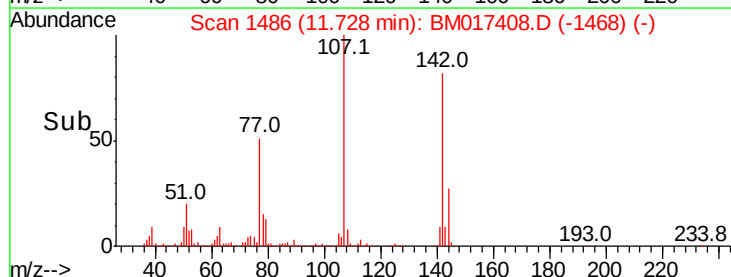
142 81.7 66.0 99.0

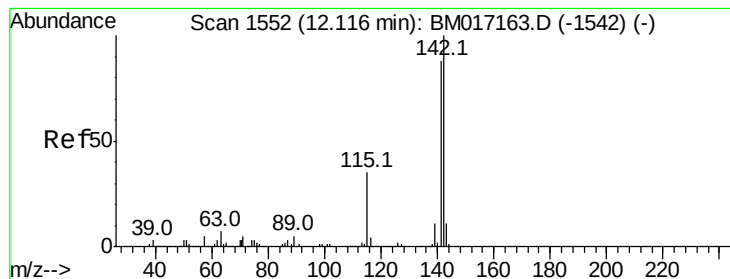


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37
2-Methylnaphthalene
Concen: 52.616 ng
RT: 12.09 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

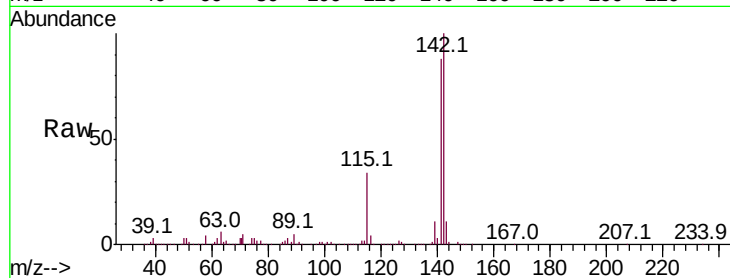
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:142 Resp: 2243807
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3
115 34.1 26.4 39.6

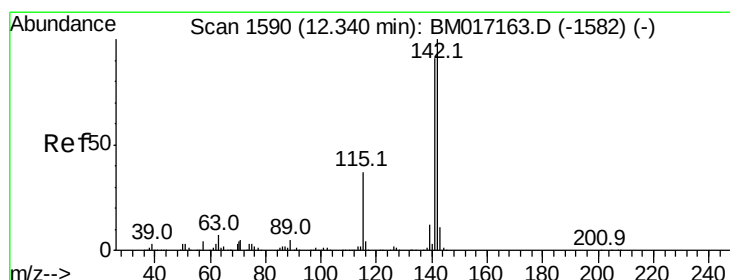
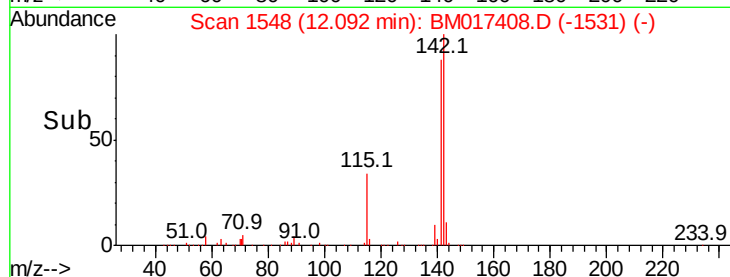
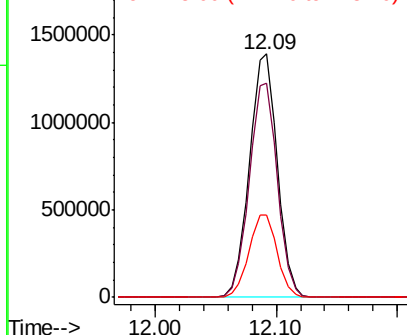
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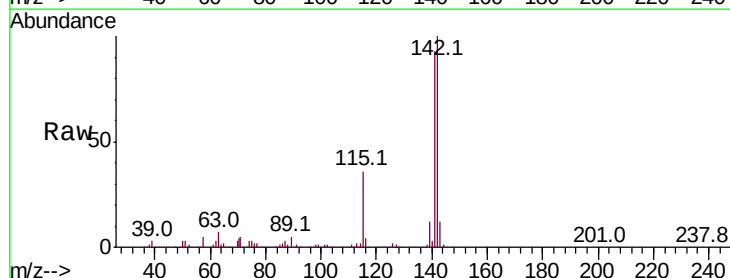


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

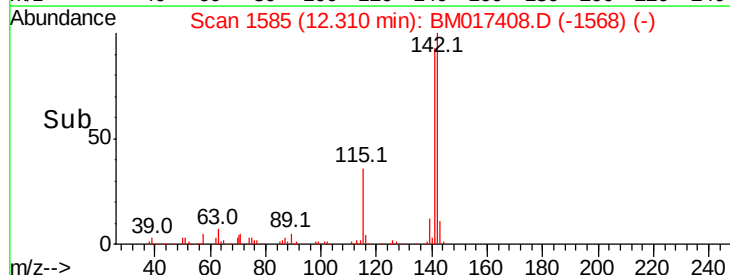
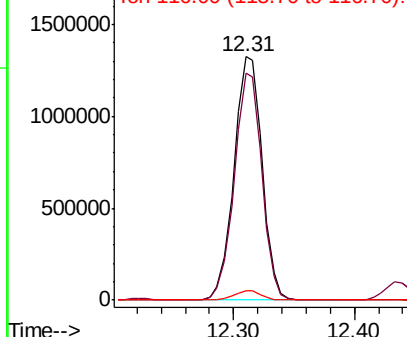


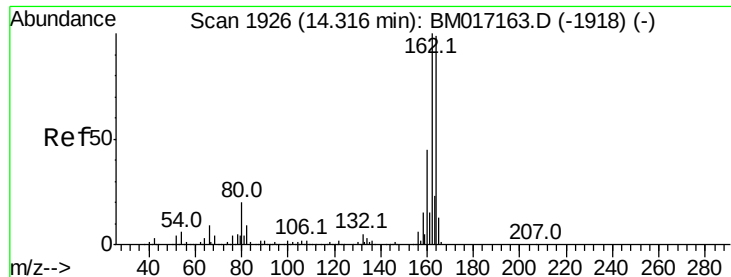
#38
1-Methylnaphthalene
Concen: 51.515 ng
RT: 12.31 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:142 Resp: 2138201
Ion Ratio Lower Upper
142 100
141 93.4 73.8 110.6
116 3.7 2.9 4.3



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: 14.29 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

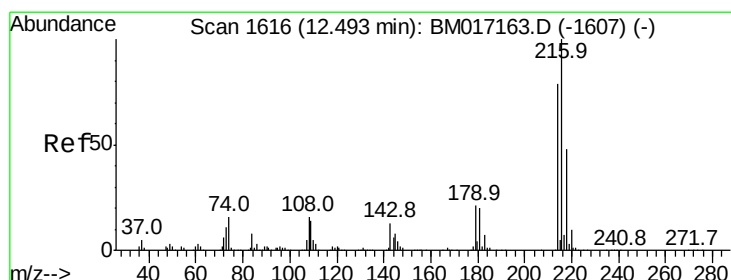
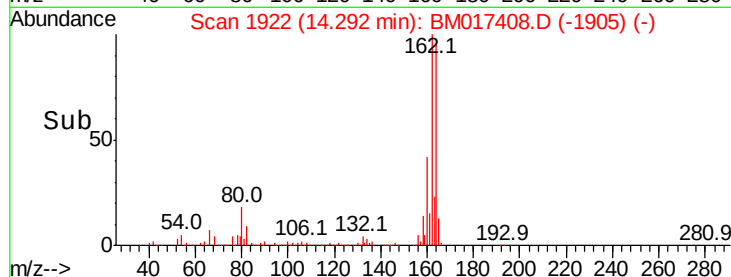
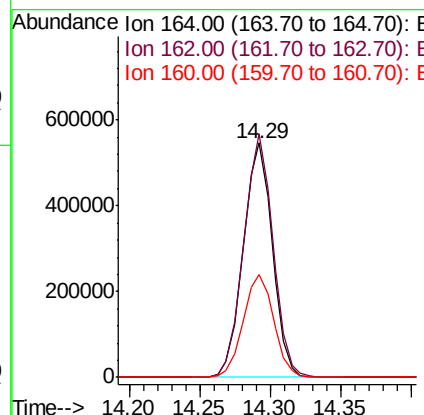
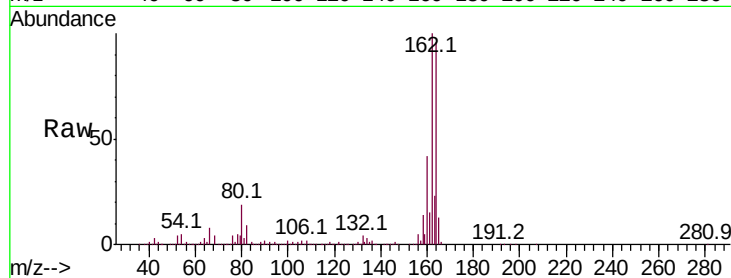
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.1	123.1
160	44.2	40.2	60.2

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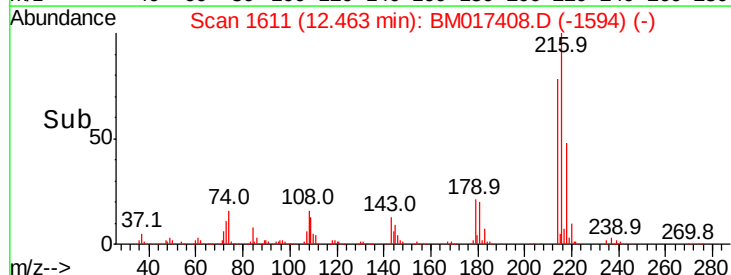
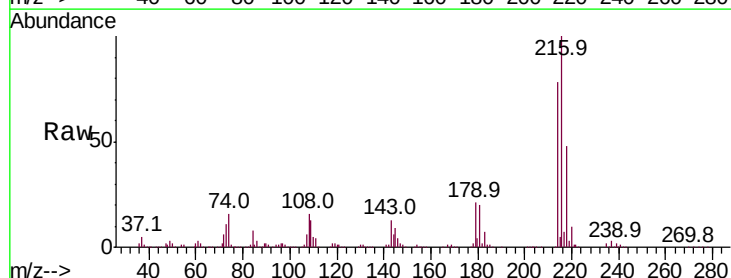
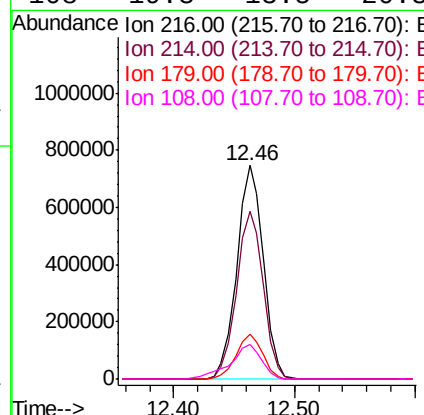
Sohil

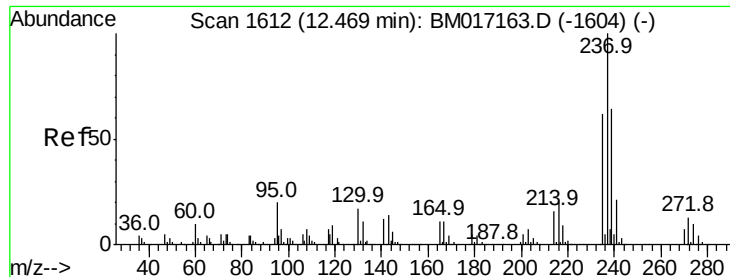
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.924 ng
RT: 12.46 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.6	93.8
179	21.0	16.6	24.8
108	19.3	13.5	20.3





#41
Hexachlorocyclopentadiene
Concen: 97.218 ng
RT: 12.44 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

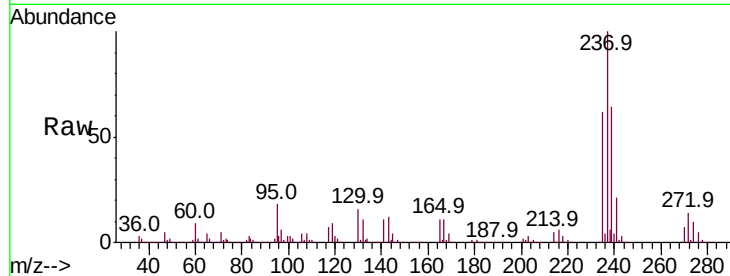
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.4	82.4
272	13.5	0.0	33.0

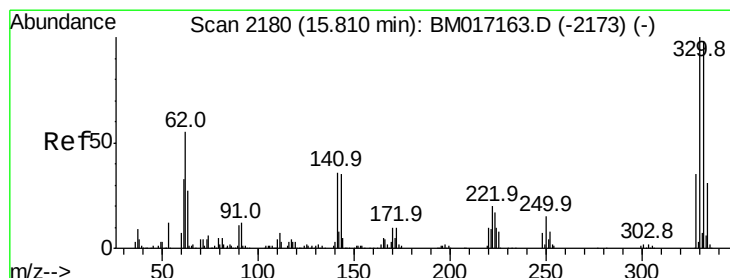
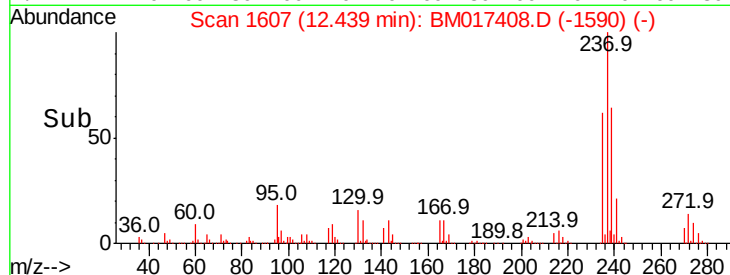
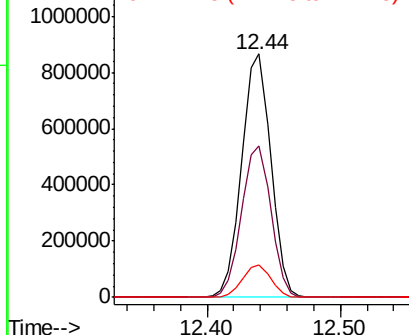
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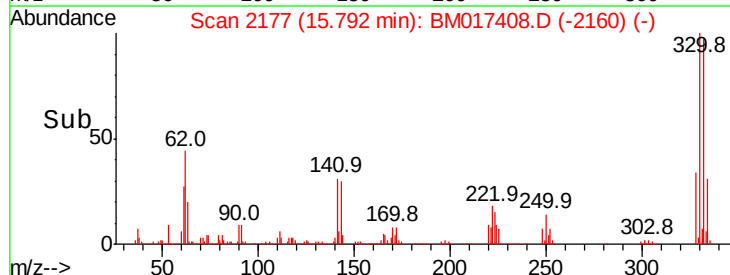
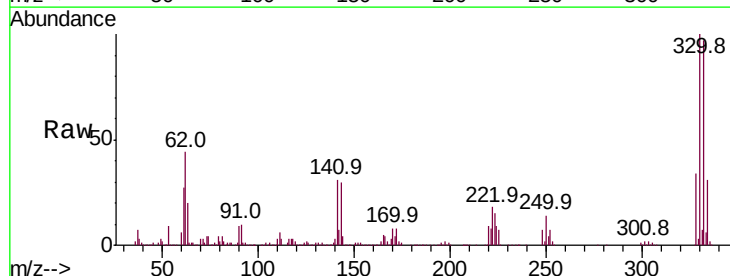
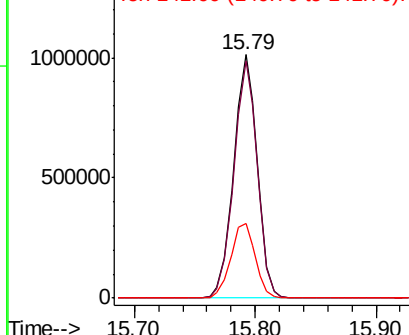
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

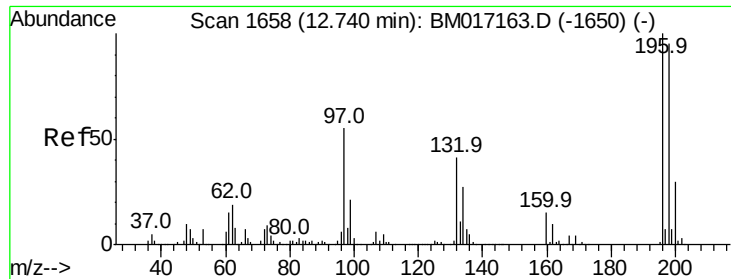


#42
2,4,6-Tribromophenol
Concen: 128.517 ng
RT: 15.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	31.9	27.4	41.0

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





#43
 2,4,6-Trichlorophenol
 Concen: 50.844 ng
 RT: 12.71 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

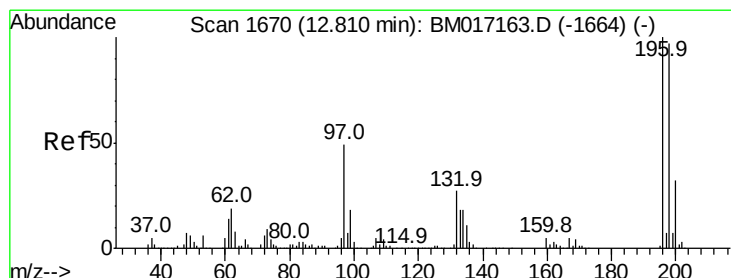
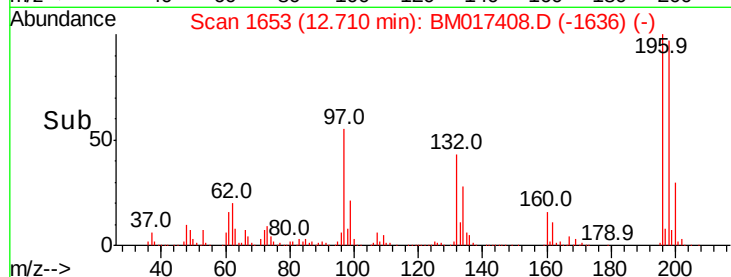
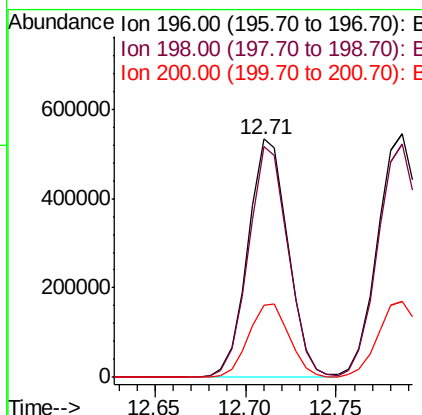
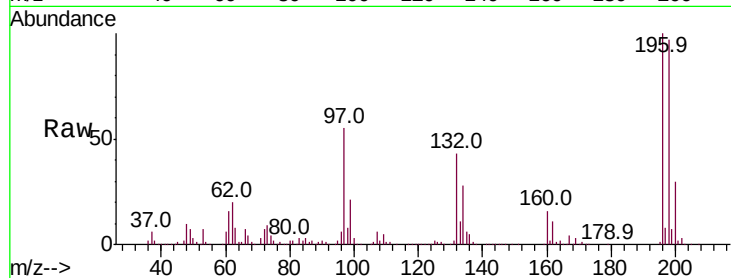
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	820152		
198	96.6	77.1	115.7	
200	30.4	25.0	37.4	

Manual Integrations
 APPROVED

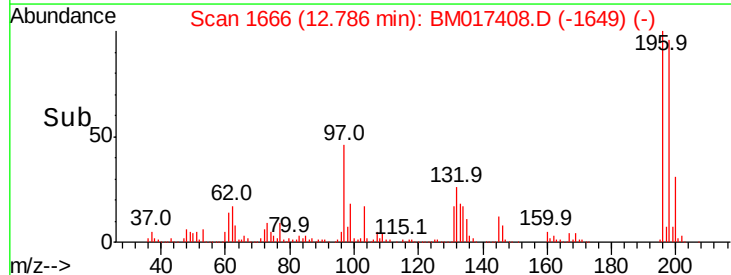
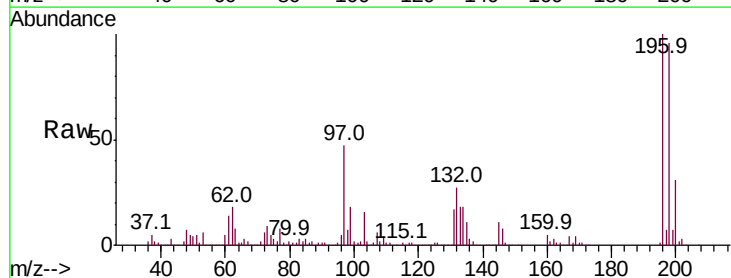
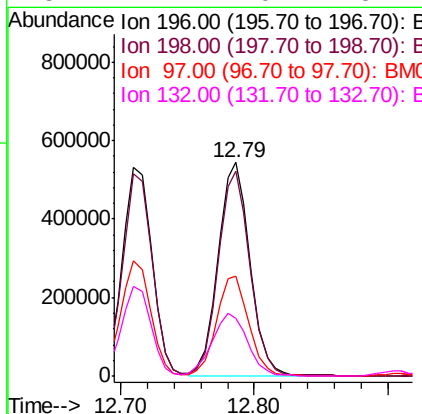
Sohil

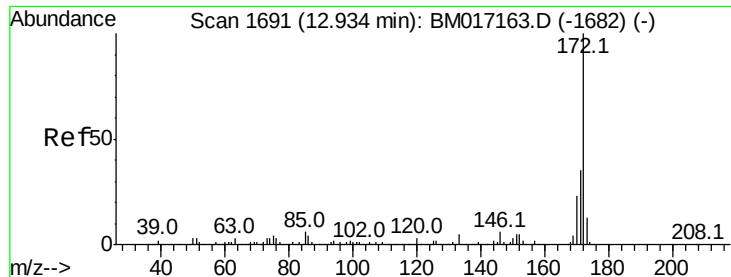
10/30/2018 4:43:05 PM



#44
 2,4,5-Trichlorophenol
 Concen: 52.287 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	904422		
198	95.7	76.6	115.0	
97	46.5	35.5	53.3	
132	27.1	20.7	31.1	





#45
2-Fluorobiphenyl
Concen: 71.726 ng
RT: 12.90 min Scan# 1686
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

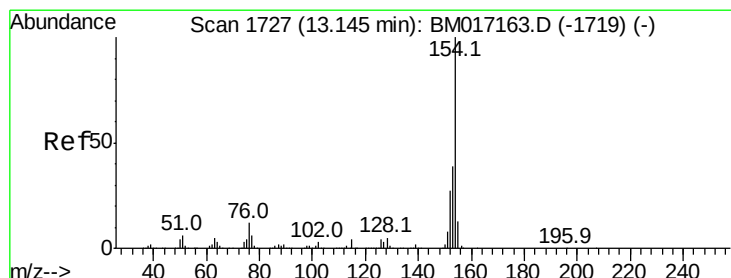
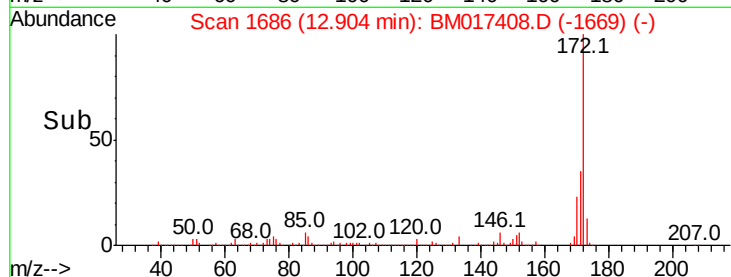
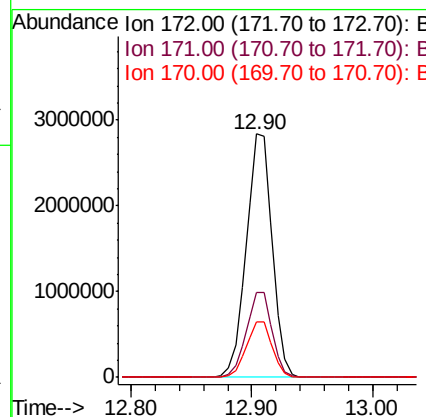
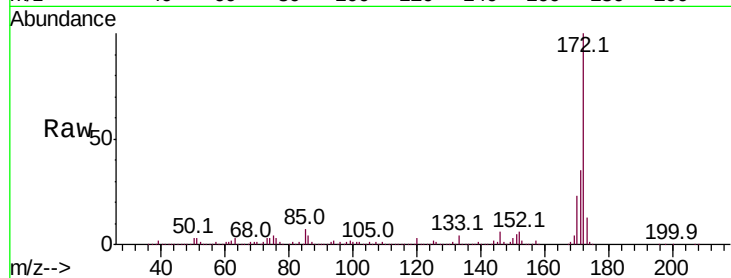
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	22.9	18.3	27.5

Manual Integrations
APPROVED

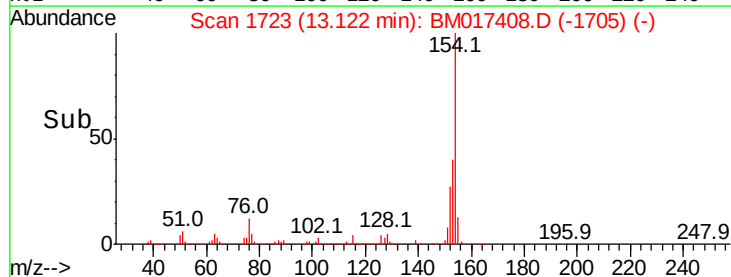
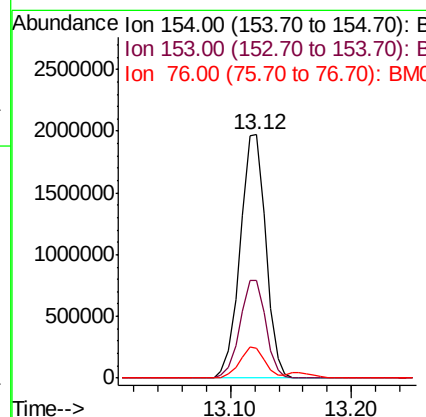
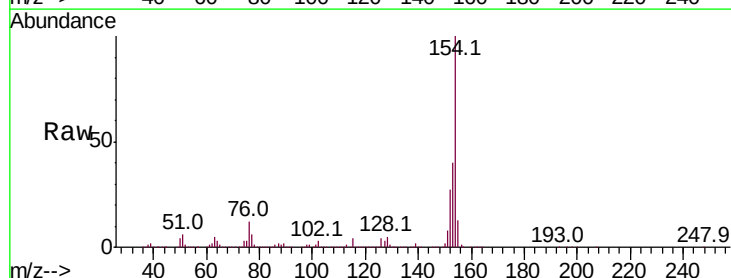
Sohil

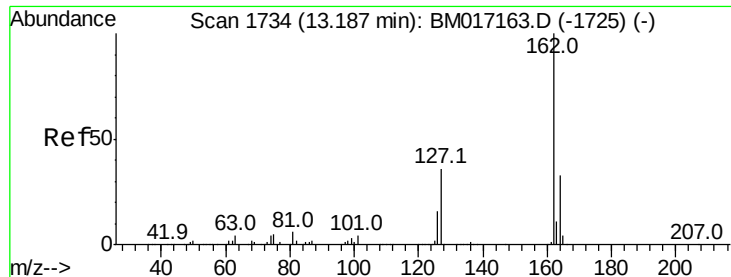
10/30/2018 4:43:05 PM



#46
1,1'-Biphenyl
Concen: 41.103 ng
RT: 13.12 min Scan# 1723
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.5	60.5
76	12.0	0.0	31.8





#47
2-Chloronaphthalene
Concen: 43.419 ng
RT: 13.16 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

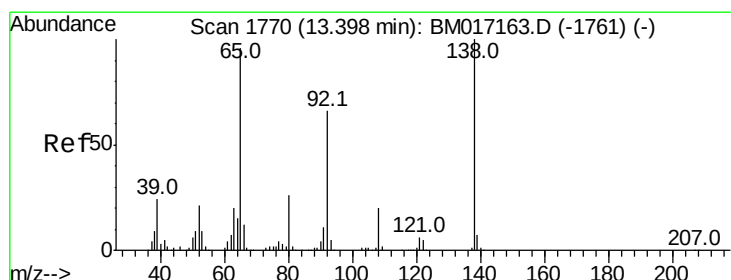
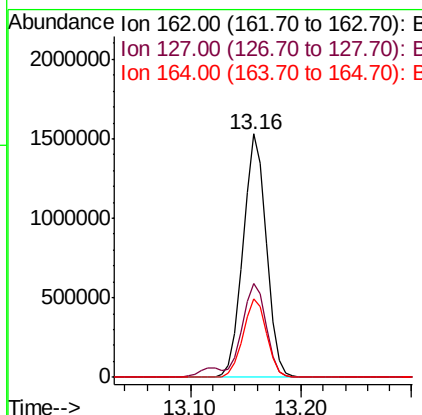
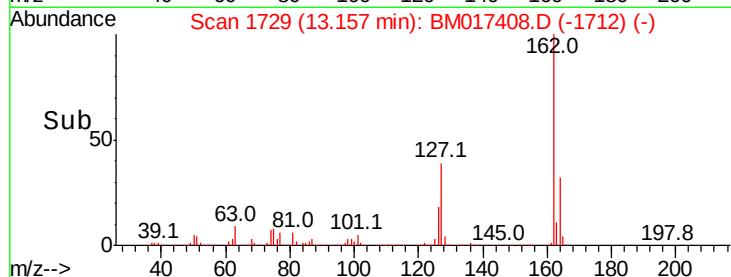
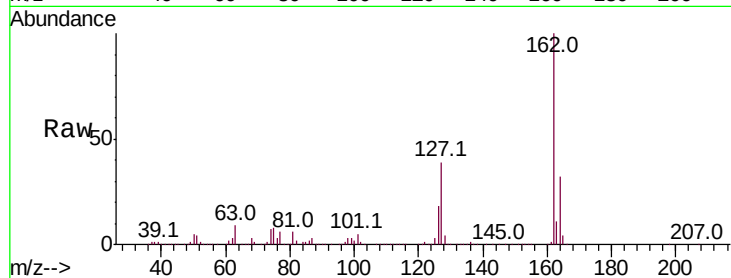
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:162 Resp: 2268040
Ion Ratio Lower Upper
162 100
127 38.7 31.0 46.4
164 32.2 26.6 39.8

Manual Integrations
APPROVED

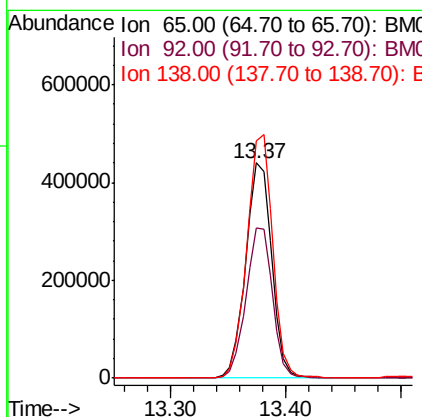
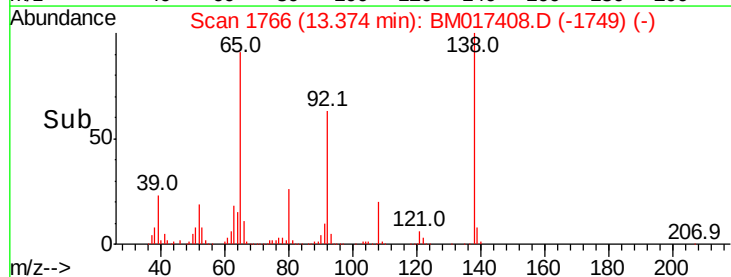
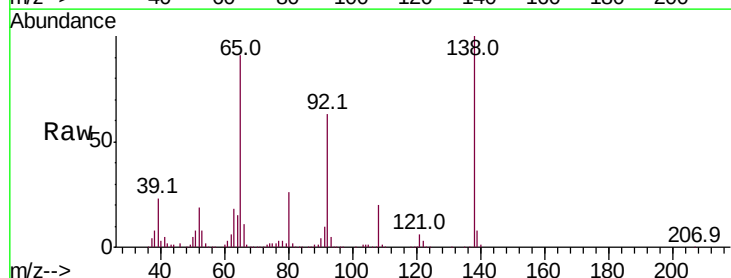
Sohil

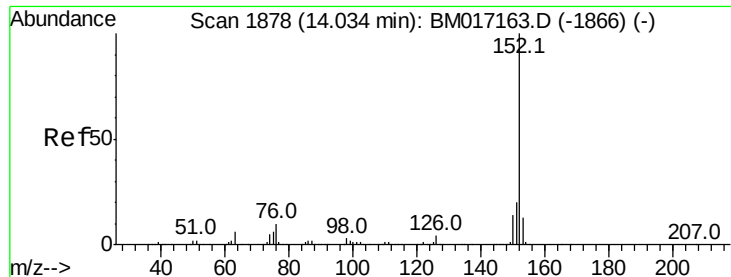
10/30/2018 4:43:05 PM



#48
2-Nitroaniline
Concen: 47.220 ng
RT: 13.37 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion: 65 Resp: 695318
Ion Ratio Lower Upper
65 100
92 69.5 54.9 82.3
138 110.1 83.7 125.5





#49

Acenaphthylene

Concen: 50.488 ng

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:152 Resp: 3822815

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

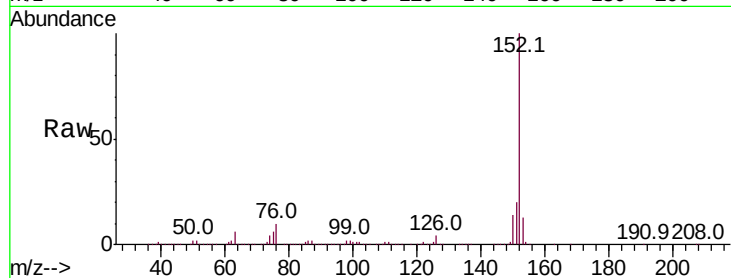
153 13.2 10.4 15.6

Manual Integrations

APPROVED

Sohil

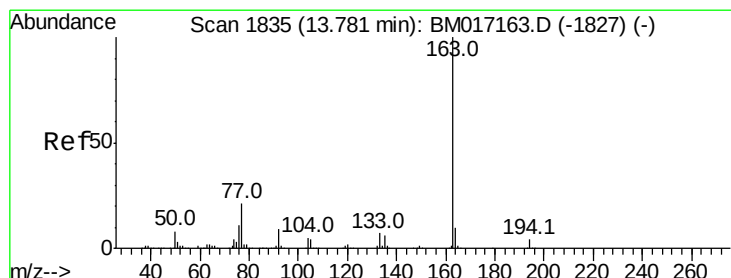
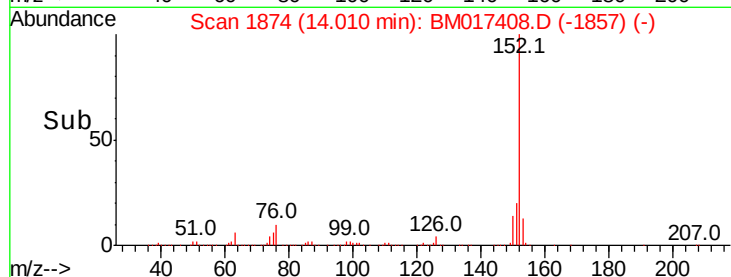
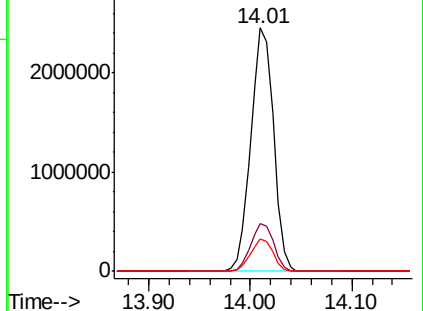
10/30/2018 4:43:05 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.617 ng

RT: 13.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

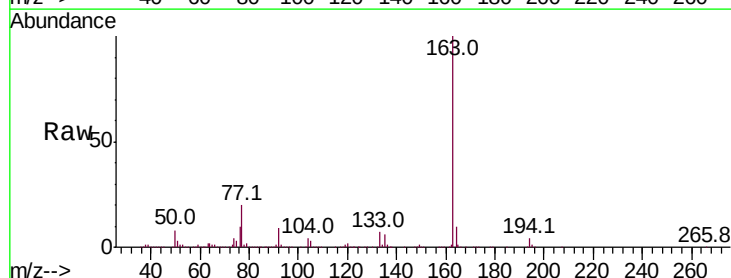
Tgt Ion:163 Resp: 3020422

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

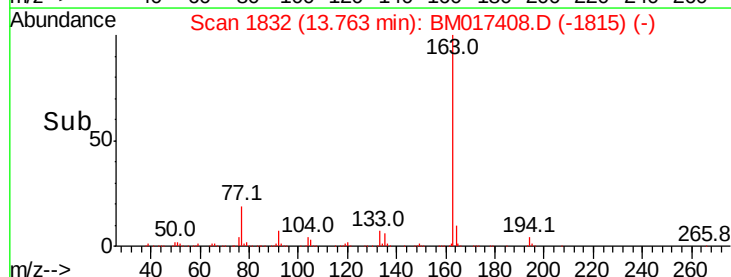
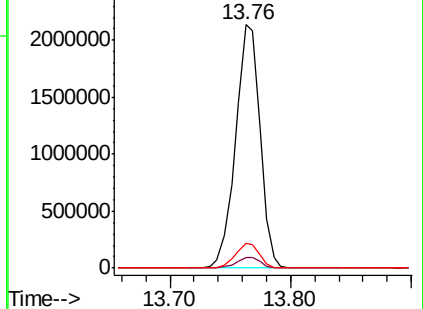
164 10.2 7.8 11.8

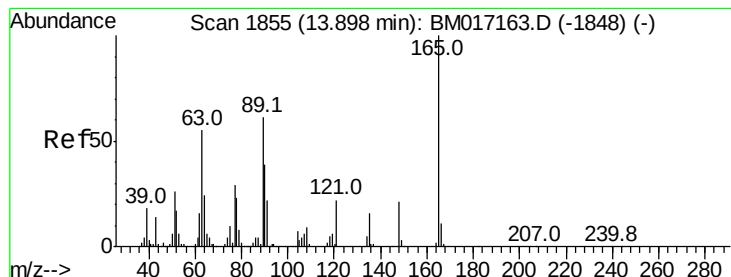


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 51.084 ng

RT: 13.89 min Scan# 1853

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:165 Resp: 684438

Ion Ratio Lower Upper

165 100

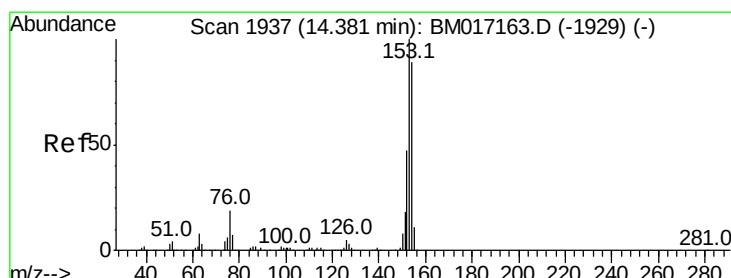
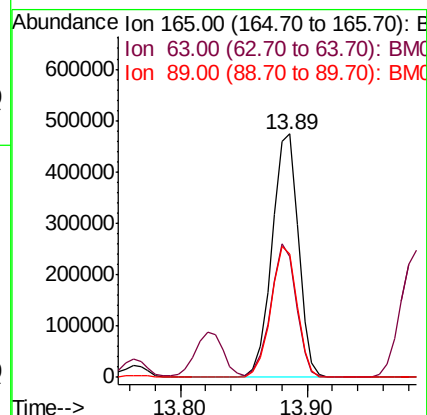
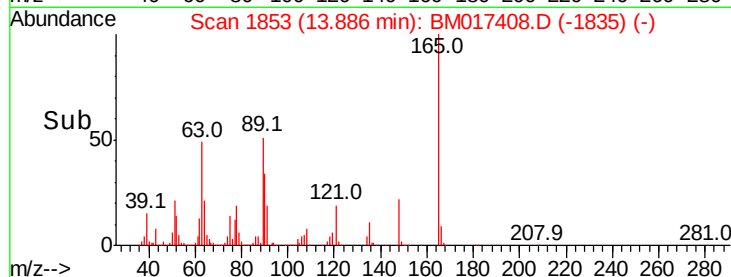
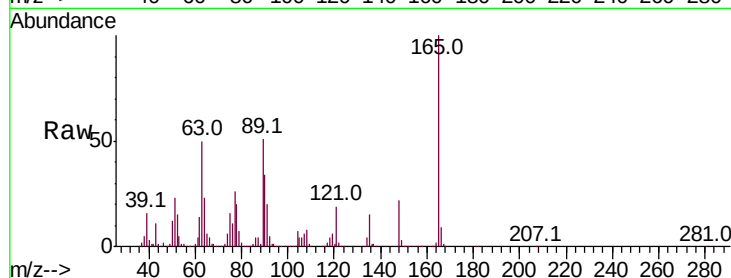
63 49.6 42.7 64.1

89 50.7 42.1 63.1

Manual Integrations
APPROVED

Sohil

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#52

Acenaphthene

Concen: 47.270 ng

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

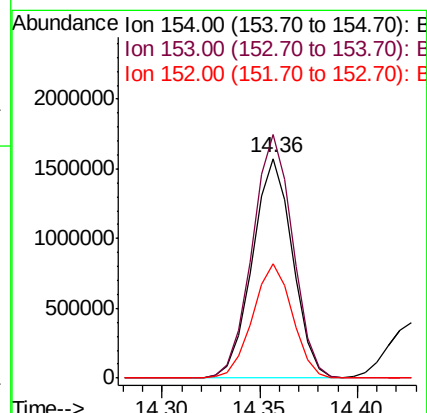
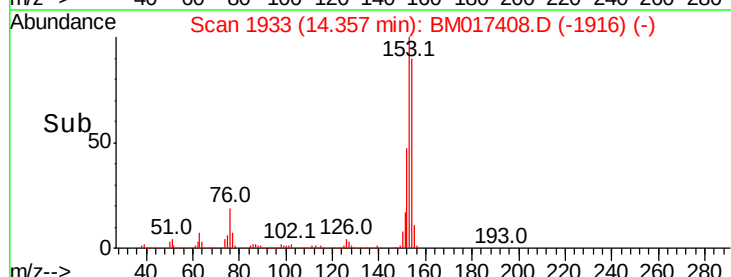
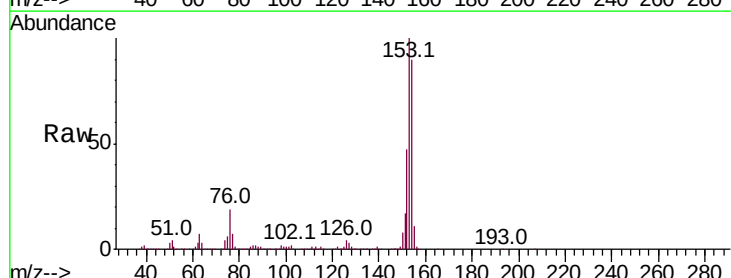
Tgt Ion:154 Resp: 2247266

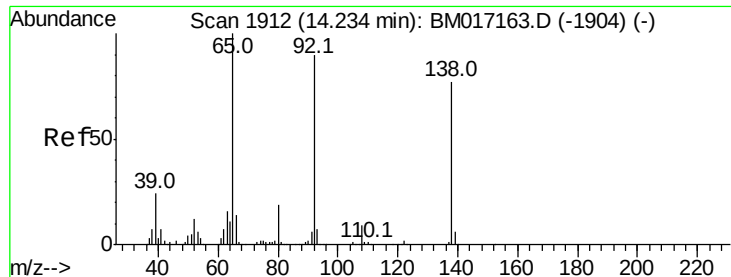
Ion Ratio Lower Upper

154 100

153 110.7 90.2 135.2

152 51.8 44.2 66.4





#53
3-Nitroaniline
Concen: 27.495 ng
RT: 14.22 min Scan# 1909
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

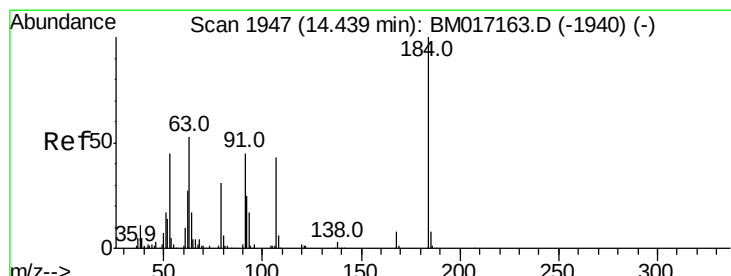
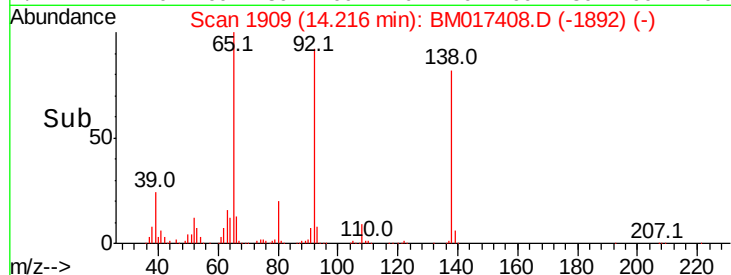
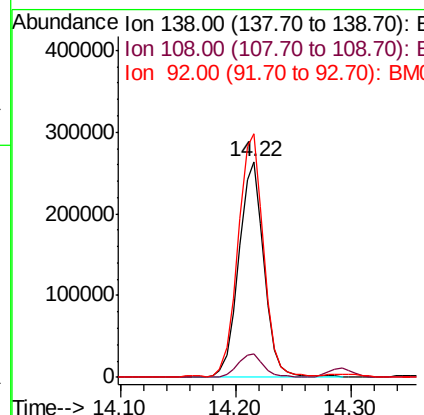
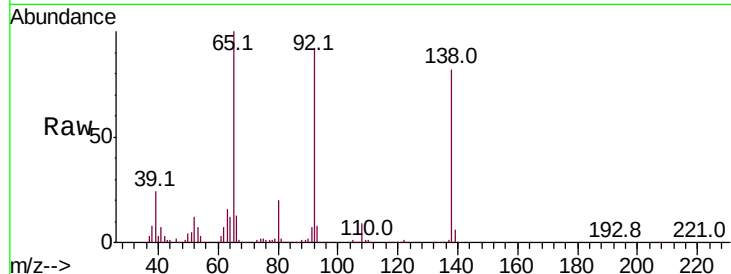
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.7	13.1
92	112.7	87.9	131.9

Manual Integrations
APPROVED

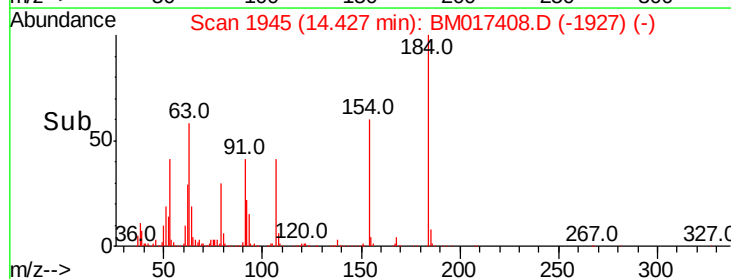
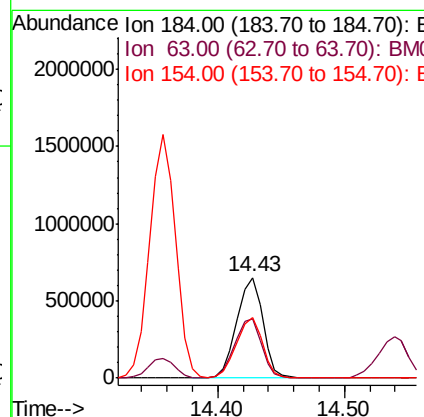
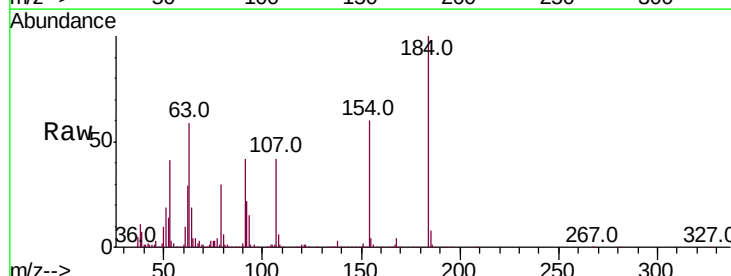
Sohil

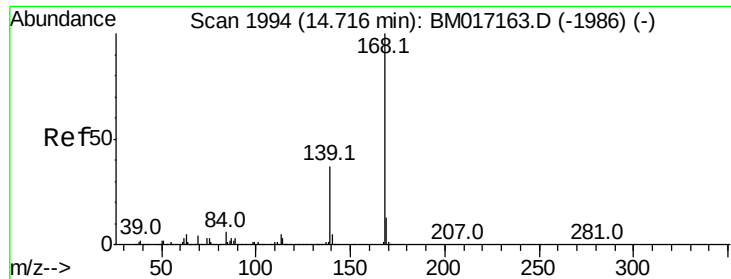
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#54
2,4-Dinitrophenol
Concen: 114.702 ng
RT: 14.43 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.6	51.2	76.8
154	60.2	47.8	71.8





#55
Dibenzofuran
Concen: 45.971 ng
RT: 14.70 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

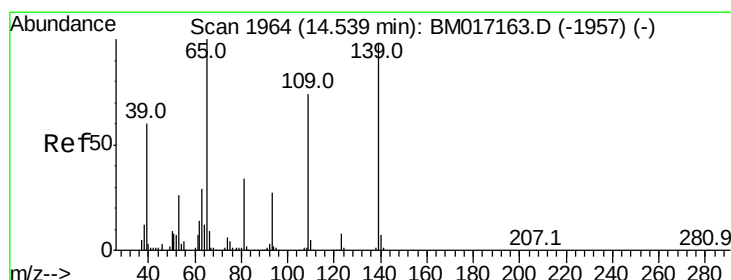
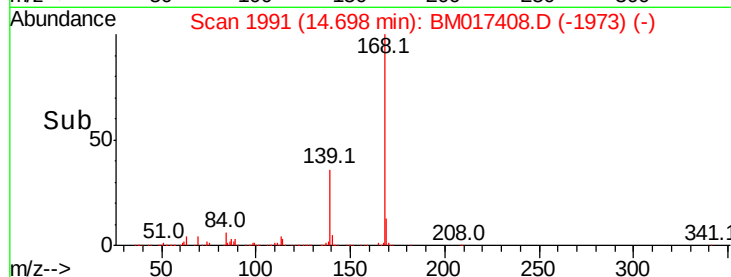
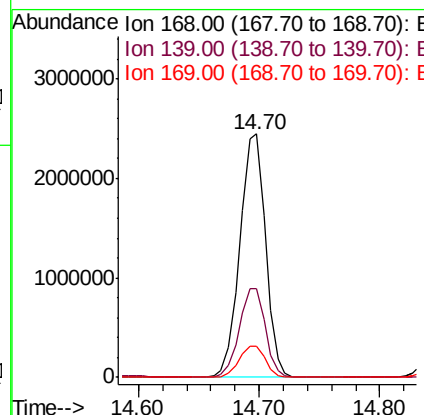
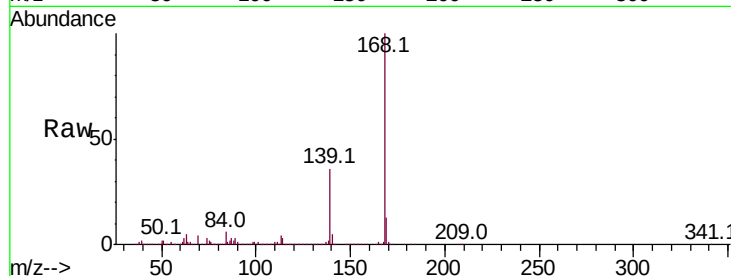
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.3	43.9
169	13.0	10.6	15.8

Manual Integrations
APPROVED

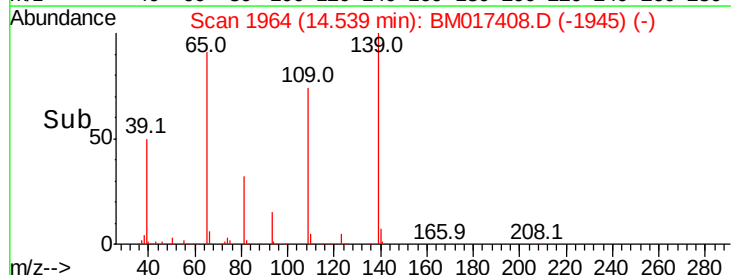
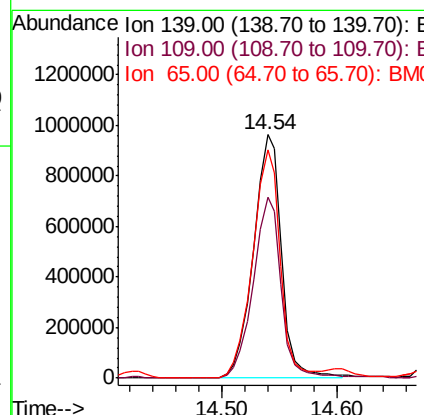
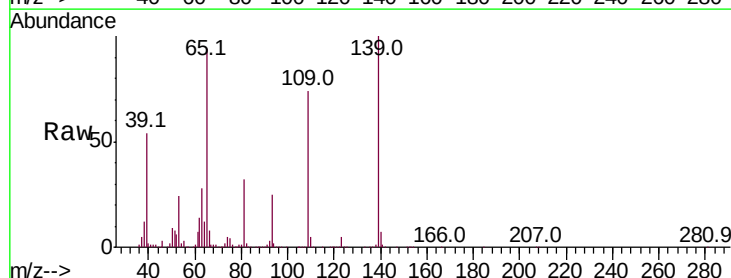
Sohil

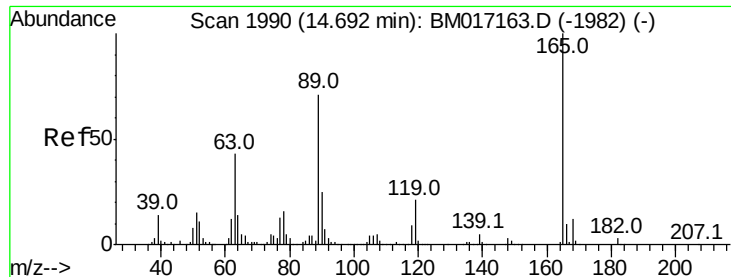
10/30/2018 4:43:05 PM



#56
4-Nitrophenol
Concen: 120.983 ng
RT: 14.54 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.1	51.8	91.8
65	93.8	72.1	112.1





#57
2,4-Dinitrotoluene
Concen: 55.558 ng
RT: 14.67 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

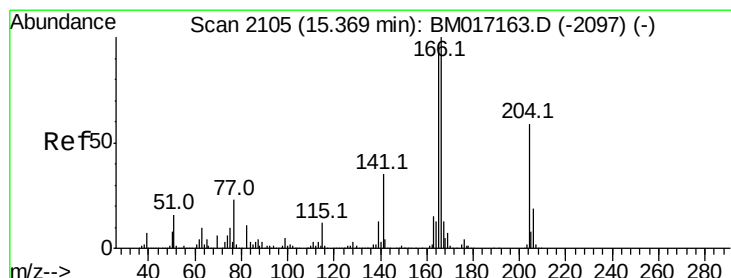
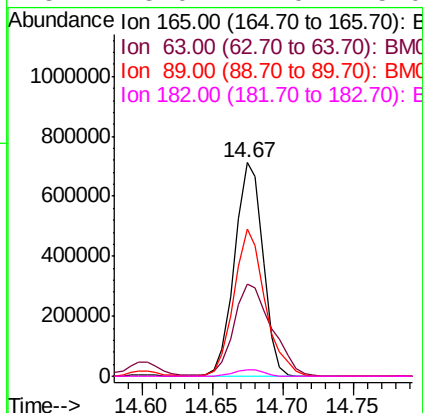
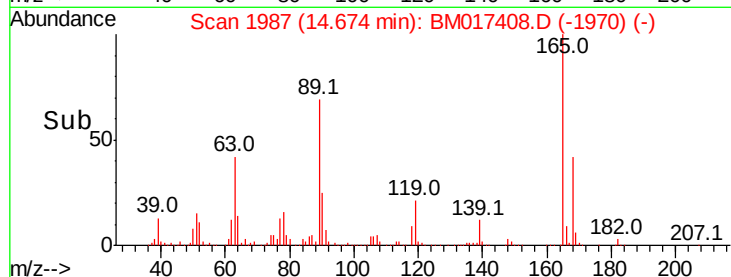
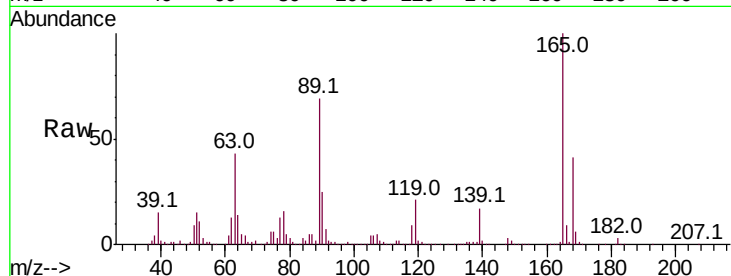
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.4	33.8	50.8
89	68.7	53.1	79.7
182	3.0	2.0	3.0#

Manual Integrations
APPROVED

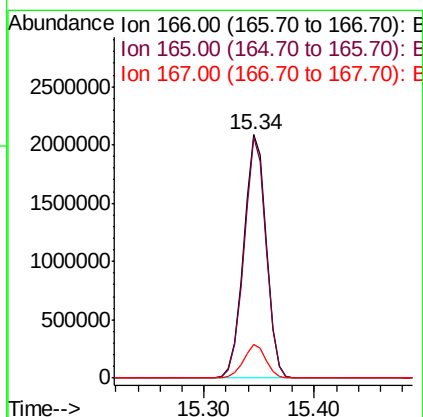
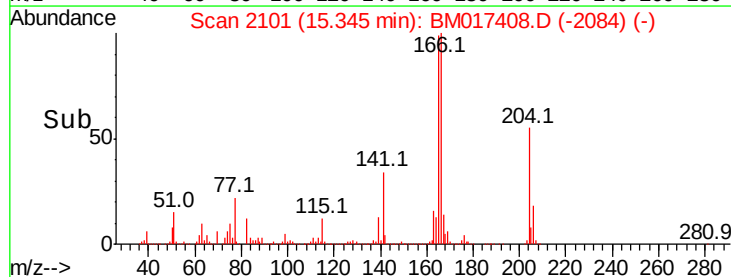
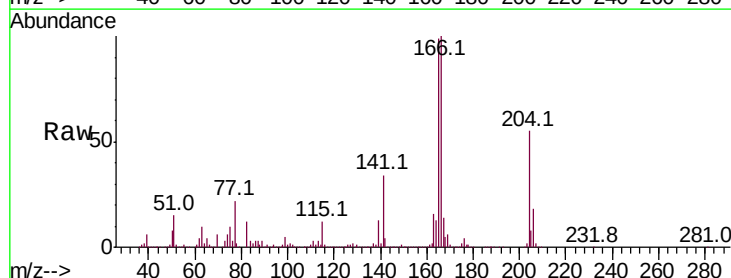
Sohil

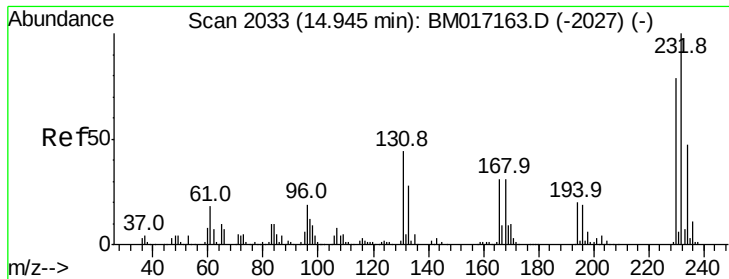
10/30/2018 4:43:05 PM



#58
Fluorene
Concen: 51.013 ng
RT: 15.34 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.1	117.1
167	13.7	10.6	16.0





#59
 2,3,4,6-Tetrachlorophenol
 Concen: 54.474 ng
 RT: 14.93 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

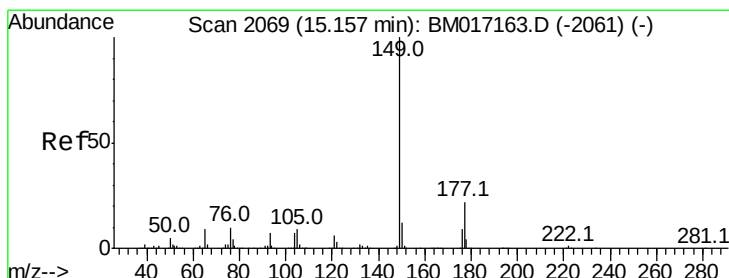
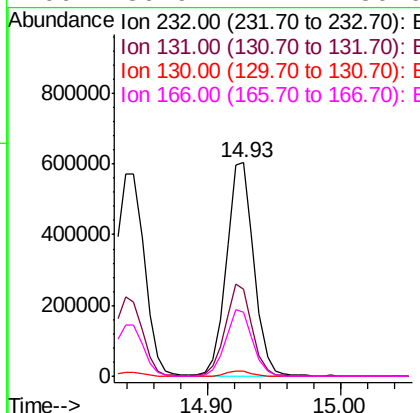
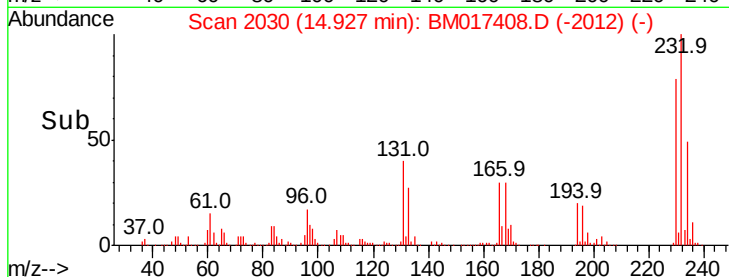
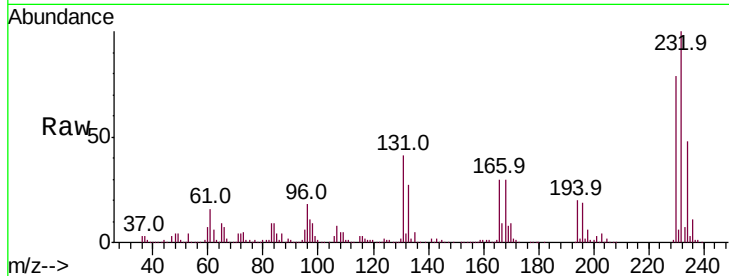
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	858895		
131	42.4		33.1	49.7
130	2.2		1.7	2.5
166	30.9		24.4	36.6

Manual Integrations
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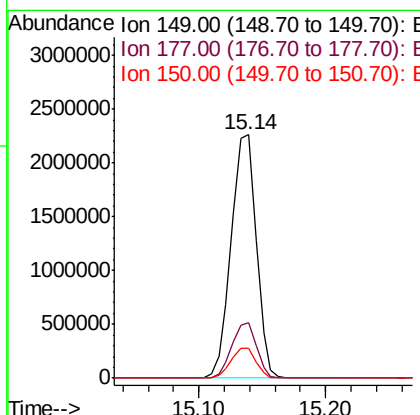
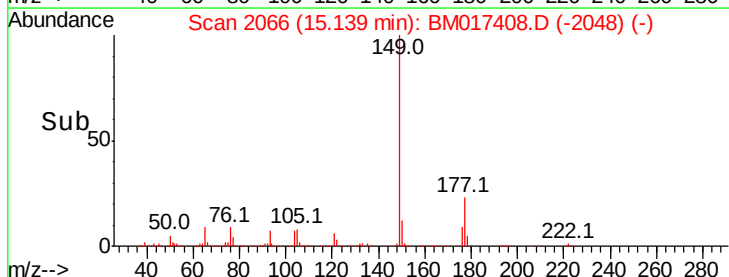
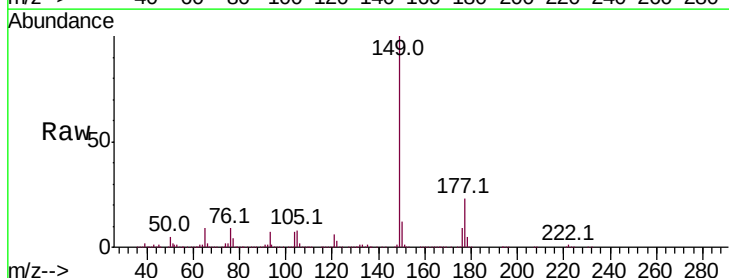
Sohil

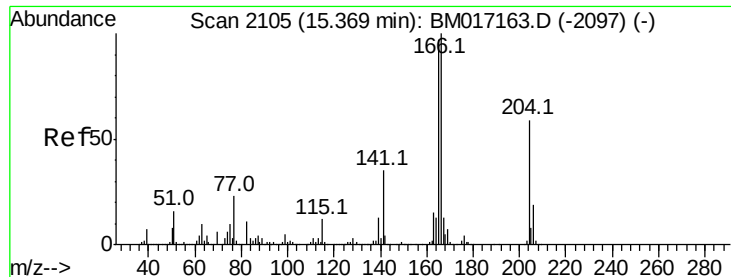
10/30/2018 4:43:05 PM



#60
 Diethylphthalate
 Concen: 51.220 ng
 RT: 15.14 min Scan# 2066
 Delta R.T. 0.01 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	3092215		
177	23.0		17.7	26.5
150	12.5		10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 44.640 ng
RT: 15.34 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

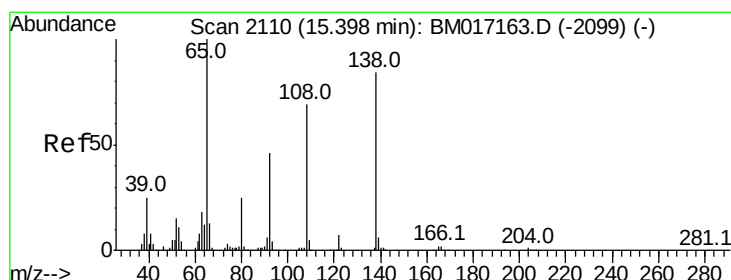
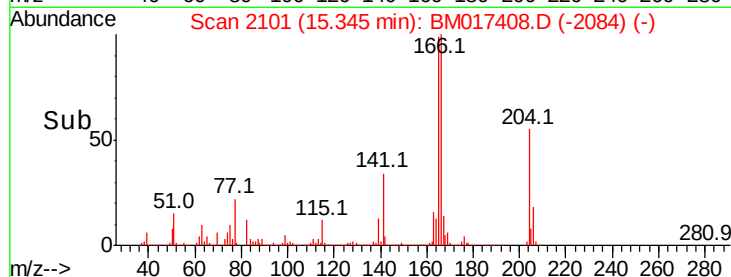
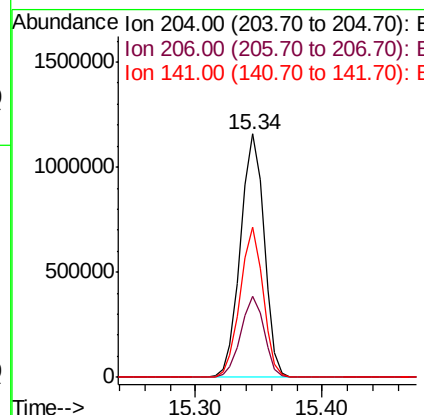
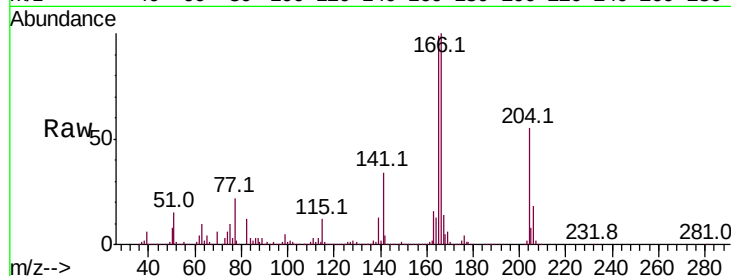
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.1	39.1
141	61.4	45.4	68.2

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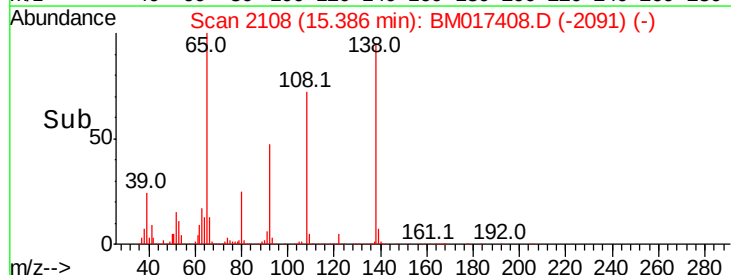
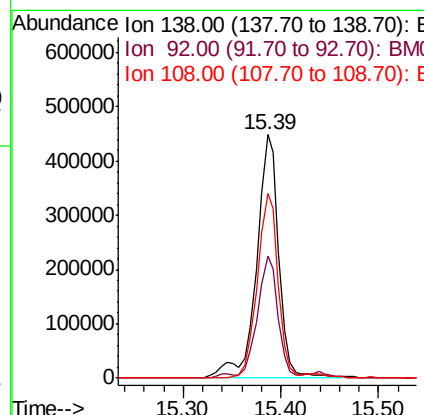
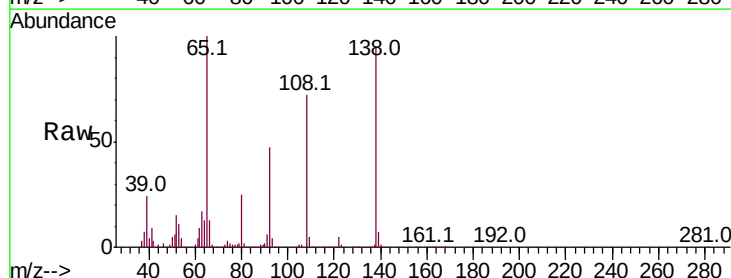
Sohil

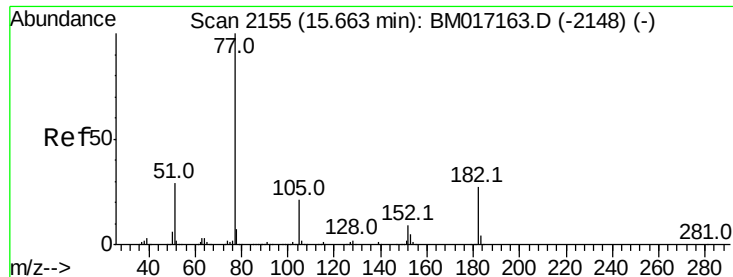
10/30/2018 4:43:05 PM



#62
4-Nitroaniline
Concen: 44.884 ng
RT: 15.39 min Scan# 2108
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.1	31.2	71.2
108	75.9	55.5	95.5





#63

Azobenzene

Concen: 48.617 ng

RT: 15.64 min Scan# 2151

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion: 77 Resp: 2852809

Ion Ratio Lower Upper

77 100

182 27.3 8.3 48.3

105 21.4 1.5 41.5

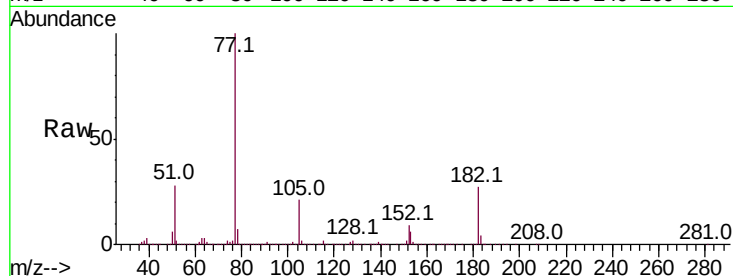
51 28.5 8.8 48.8

Manual Integrations

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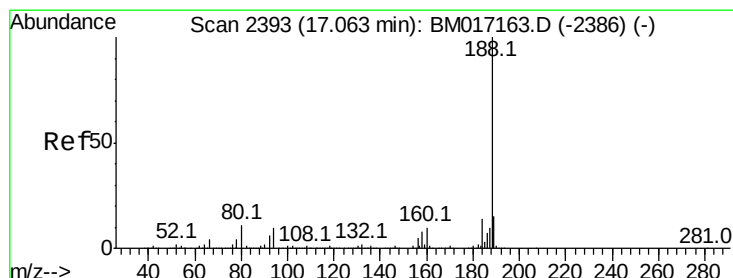
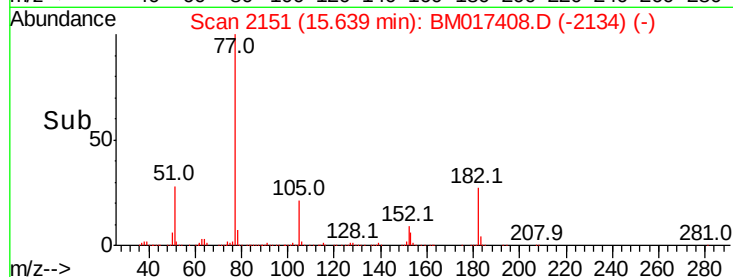
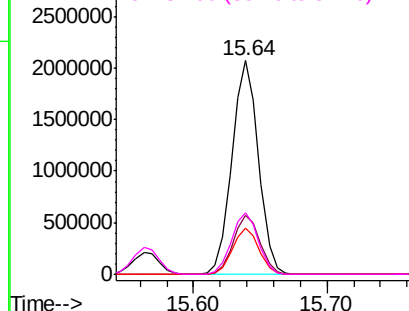
Abundance

Ion 77.00 (76.70 to 77.70): BM017163.D (-2148) (-)

Ion 182.00 (181.70 to 182.70): BM017163.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): BM017163.D (-2148) (-)

Ion 51.00 (50.70 to 51.70): BM017163.D (-2148) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

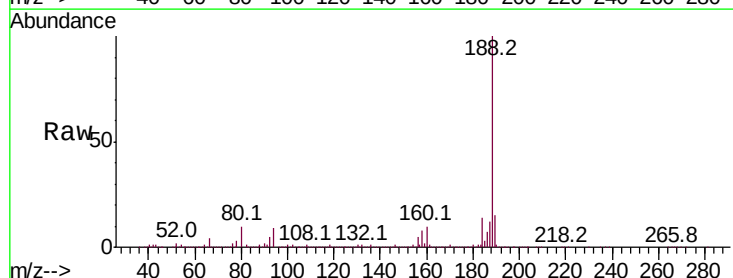
Tgt Ion: 188 Resp: 1895468

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 10.4 7.7 11.5

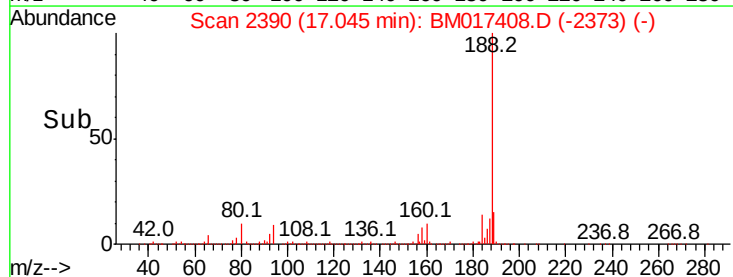
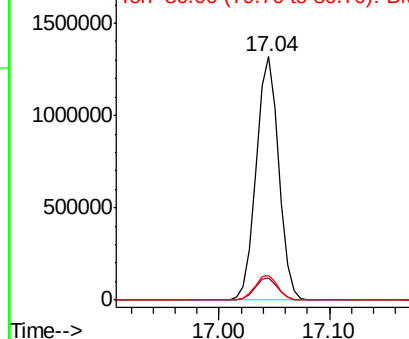


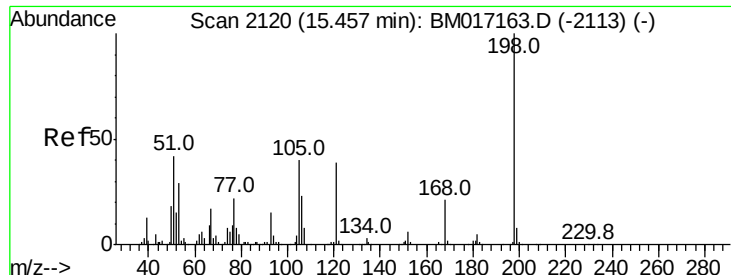
Abundance

Ion 188.00 (187.70 to 188.70): BM017163.D (-2386) (-)

Ion 94.00 (93.70 to 94.70): BM017163.D (-2386) (-)

Ion 80.00 (79.70 to 80.70): BM017163.D (-2386) (-)





#65
4,6-Dinitro-2-methylphenol
Concen: 50.161 ng
RT: 15.44 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

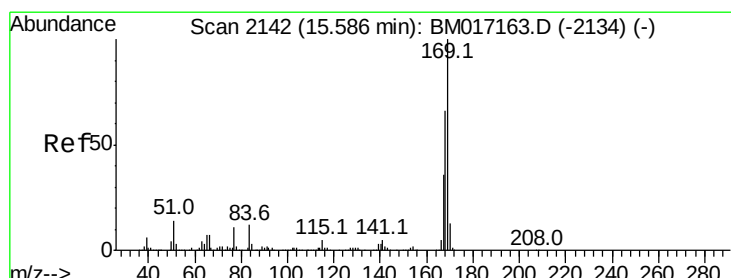
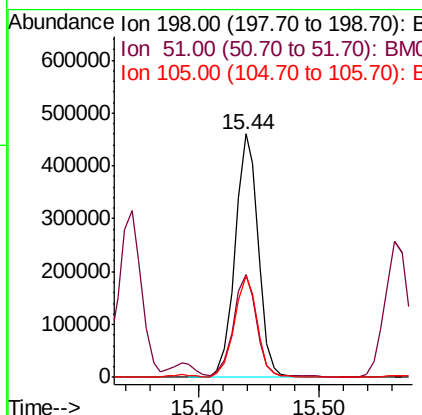
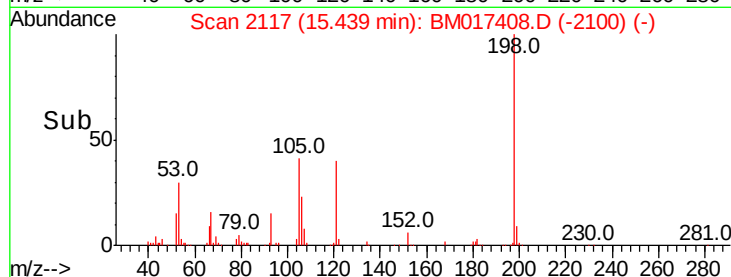
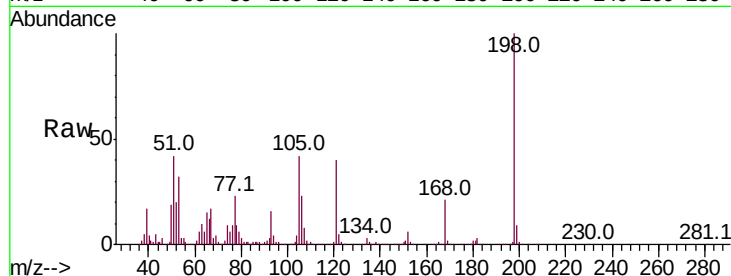
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	615049		
51	42.0		20.3	60.3
105	41.7		21.9	61.9

Manual Integrations
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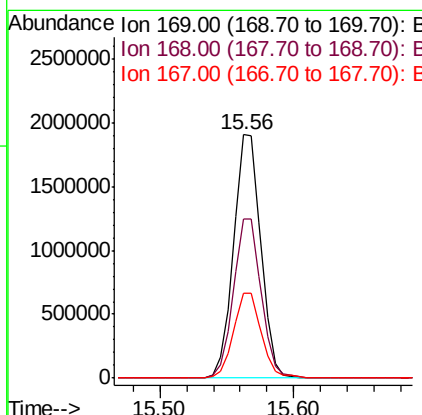
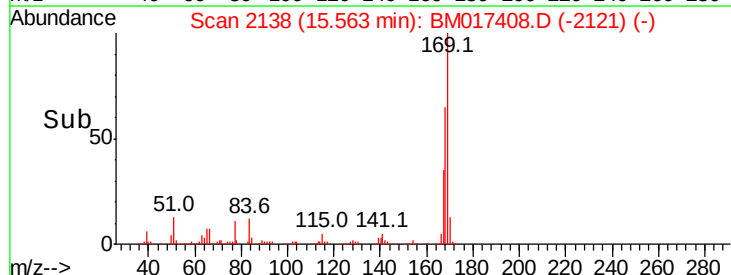
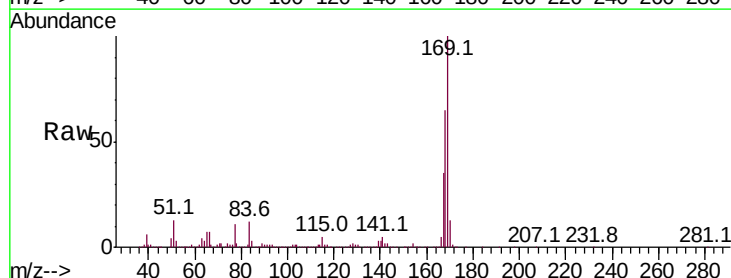
Sohil

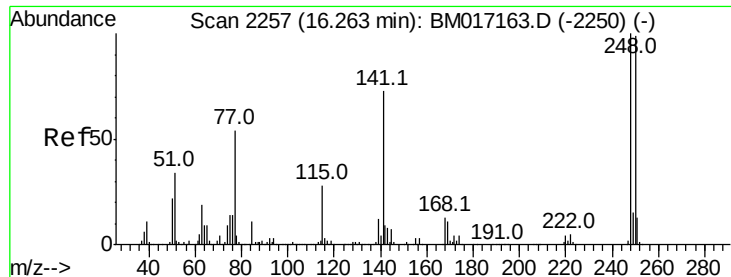
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#66
n-Nitrosodiphenylamine
Concen: 47.252 ng
RT: 15.56 min Scan# 2138
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	2709757		
168	65.3		52.2	78.4
167	34.9		28.4	42.6





#67

4-Bromophenyl-phenylether

Concen: 47.907 ng

RT: 16.24 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

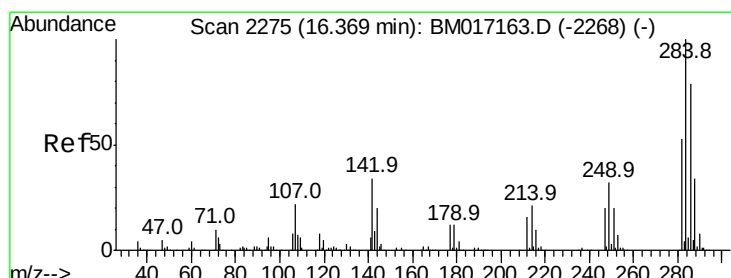
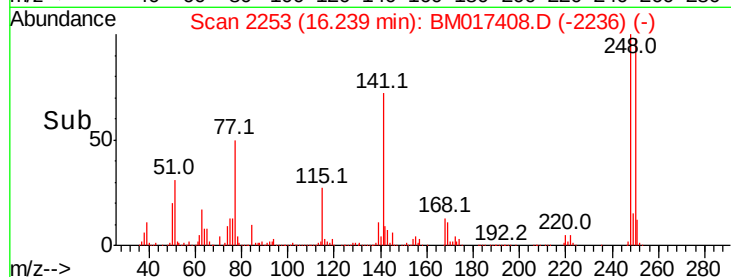
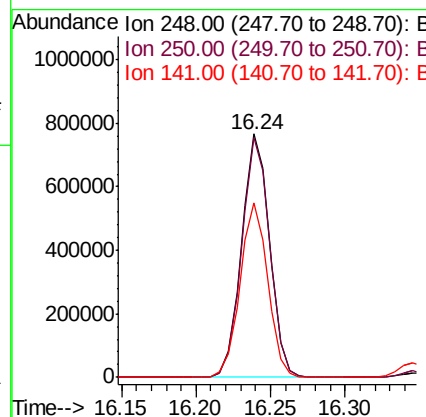
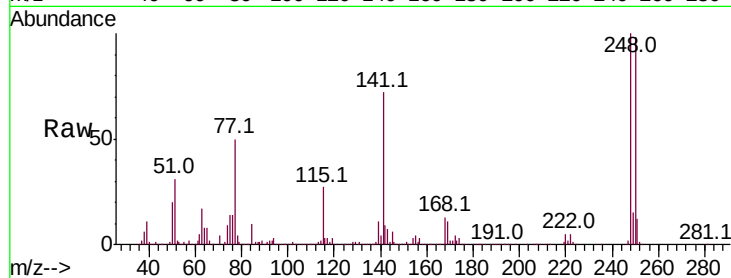
RBR-200030MSD

Tot Ion:	248	Resp:	997047
Ion Ratio	Lower	Upper	
248	100		
250	98.4	75.1	112.7
141	71.8	55.6	83.4

Manual Integrations
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#68

Hexachlorobenzene

Concen: 44.533 ng

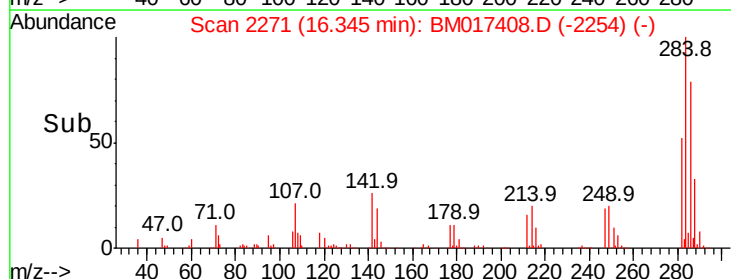
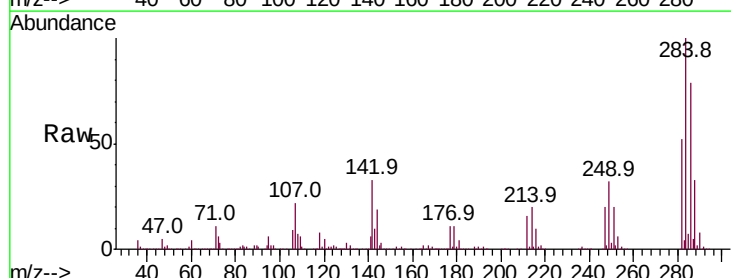
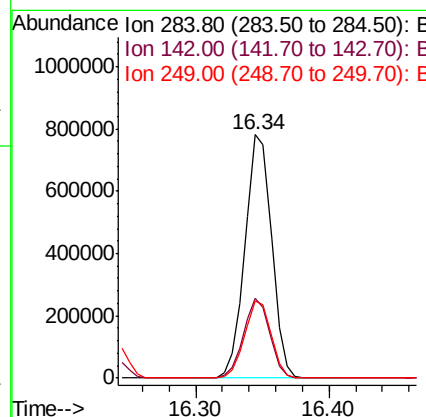
RT: 16.34 min Scan# 2271

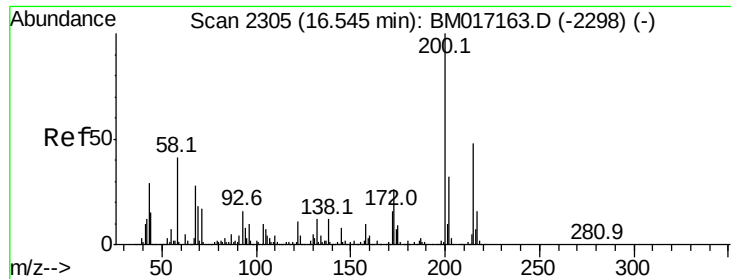
Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Tgt Ion:	284	Resp:	1076608
Ion Ratio	Lower	Upper	
284	100		
142	32.6	25.0	37.6
249	31.7	25.5	38.3





#69
Atrazine
Concen: 49.164 ng
RT: 16.53 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

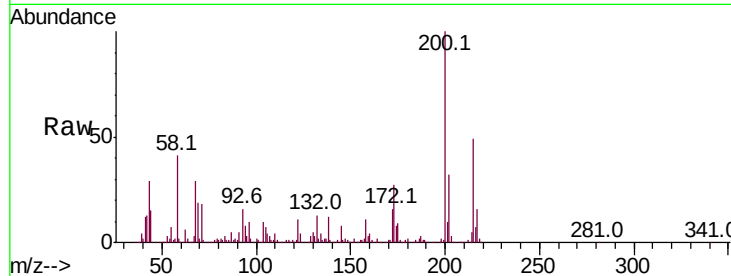
Instrument :
BNA_M
ClientSampled :
RBR-200030MSD

Tot Ion:200 Resp: 1009082
Ion Ratio Lower Upper
200 100
173 27.3 7.0 47.0
215 49.2 27.3 67.3

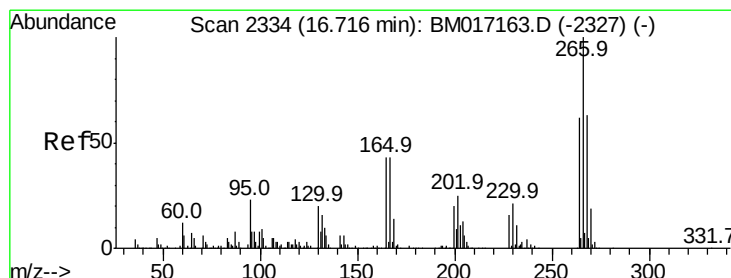
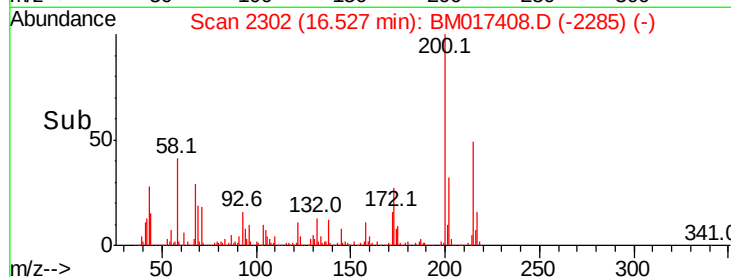
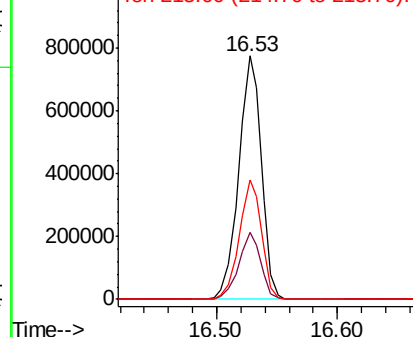
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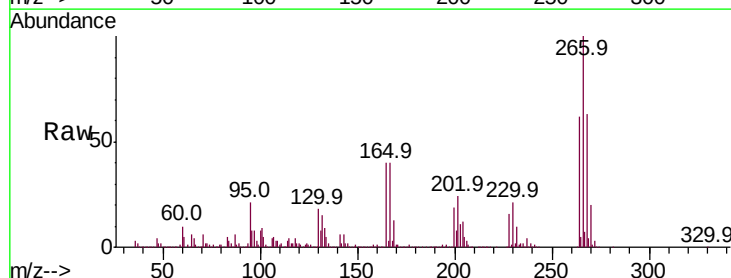


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

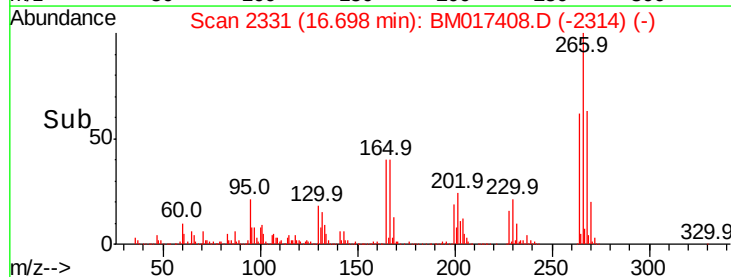
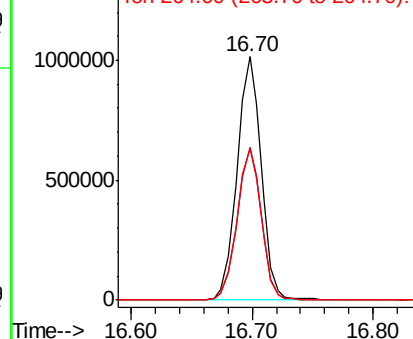


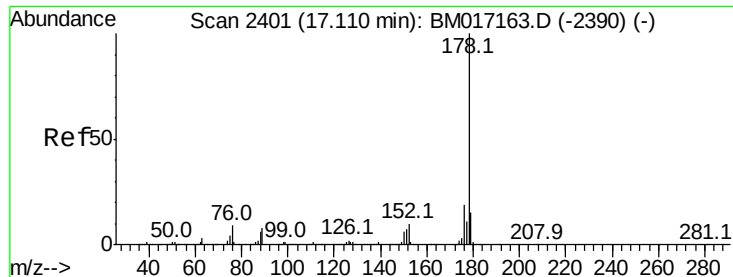
#70
Pentachlorophenol
Concen: 85.722 ng
RT: 16.70 min Scan# 2331
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:266 Resp: 1419652
Ion Ratio Lower Upper
266 100
268 63.0 50.7 76.1
264 62.3 50.4 75.6



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





#71
Phenanthrene
Concen: 48.068 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

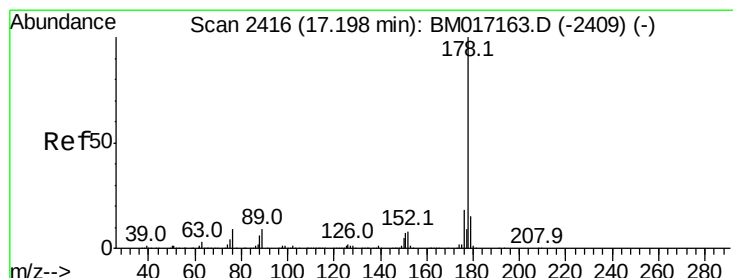
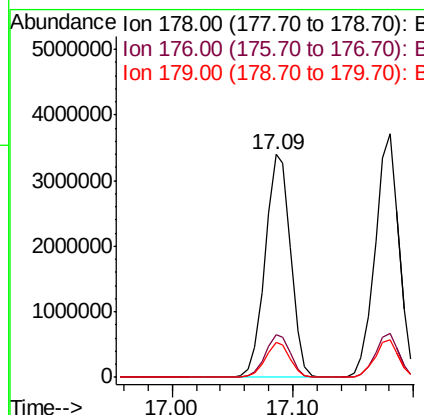
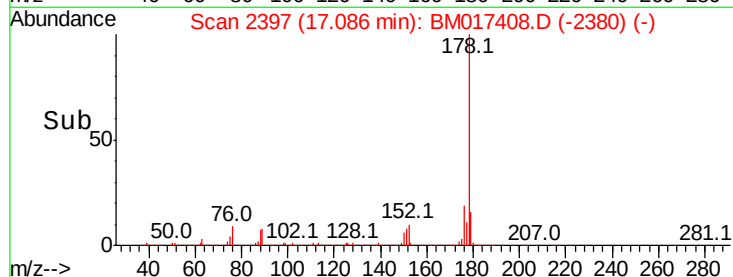
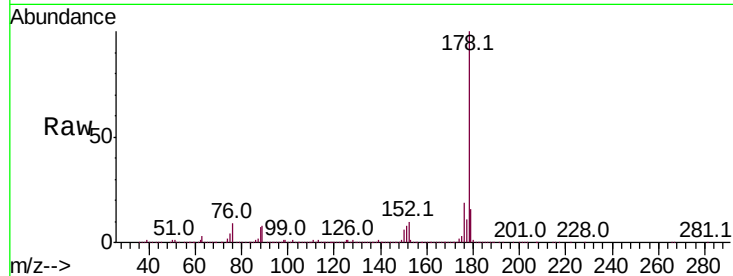
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:178 Resp: 4915761
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.5 12.3 18.5

Manual Integrations
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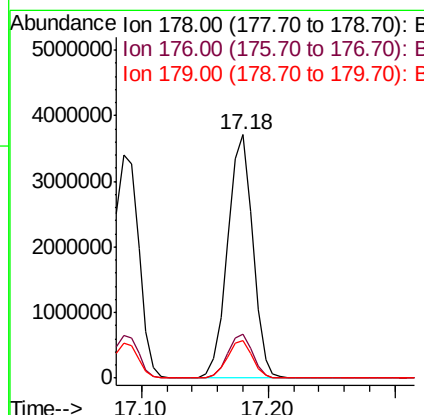
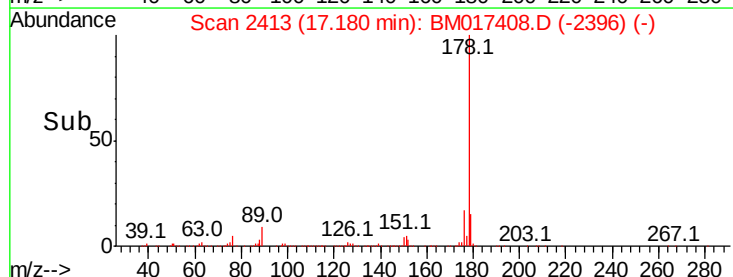
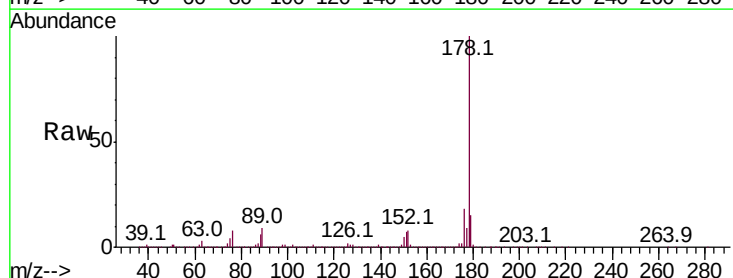
Sohil

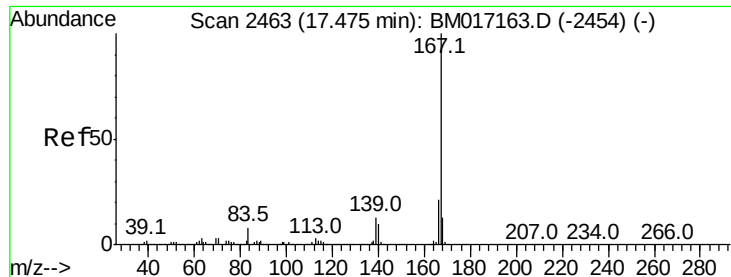
10/30/2018 4:43:05 PM



#72
Anthracene
Concen: 52.069 ng
RT: 17.18 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:178 Resp: 5059683
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 47.987 ng
 RT: 17.46 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

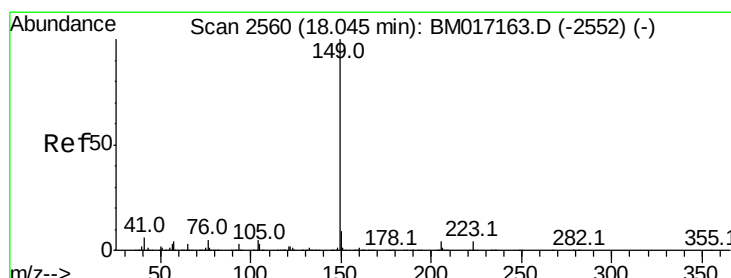
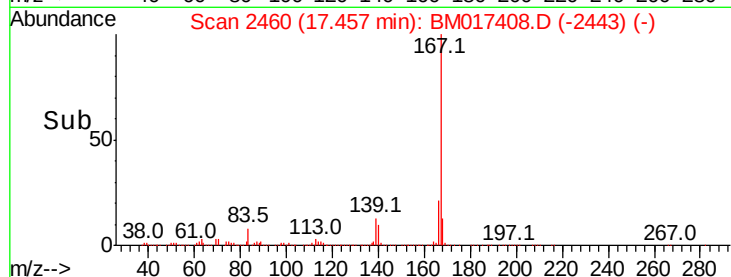
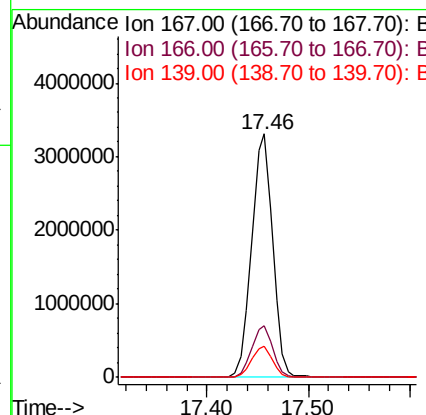
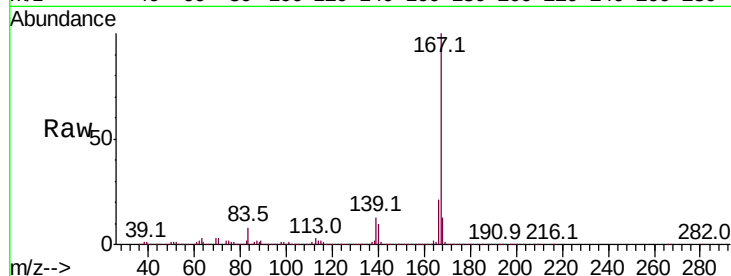
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.7	10.1	15.1

Manual Integrations
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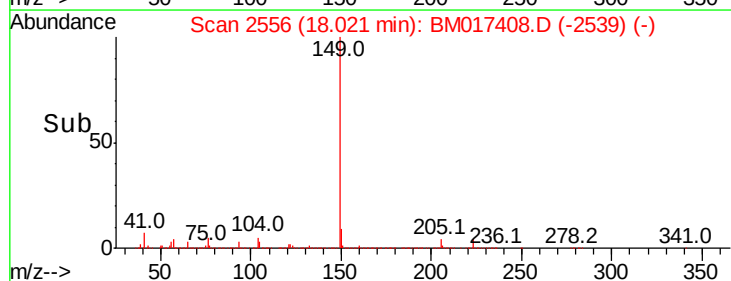
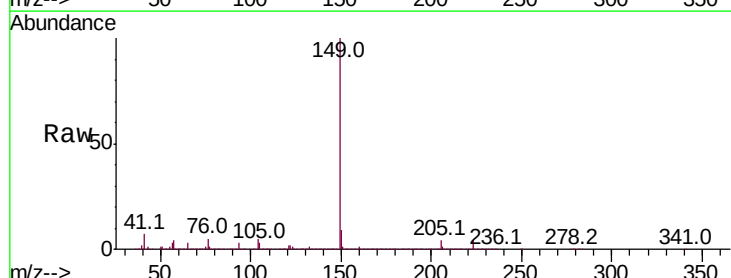
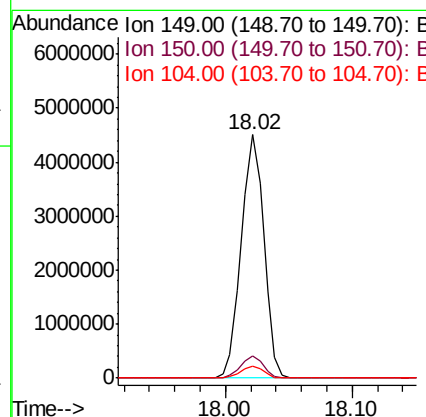
Sohil

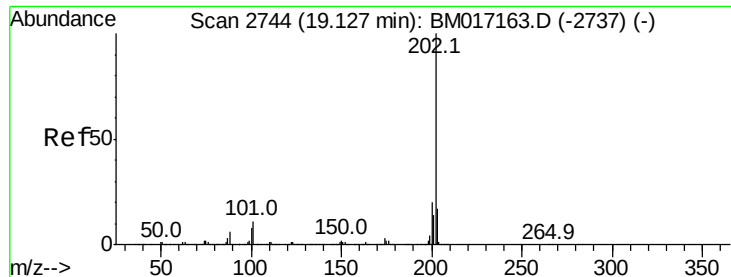
10/30/2018 4:43:05 PM



#74
 Di-n-butylphthalate
 Concen: 52.987 ng
 RT: 18.02 min Scan# 2556
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.9	4.3	6.5





#75
 Fluoranthene
 Concen: 52.539 ng
 RT: 19.11 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

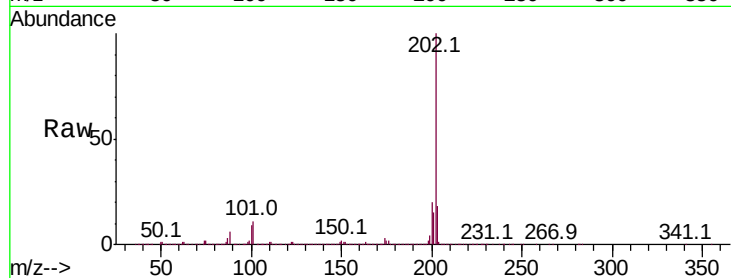
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.0
203	17.7	0.0	37.2

Manual Integrations
 APPROVED

Sohil

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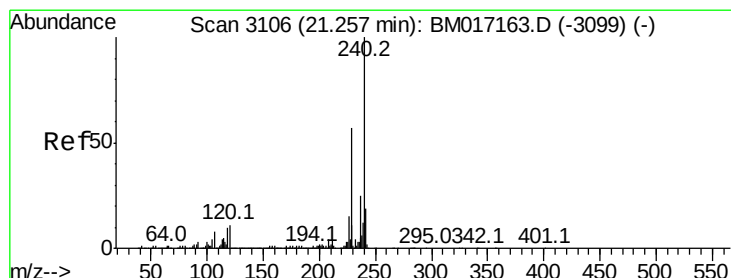
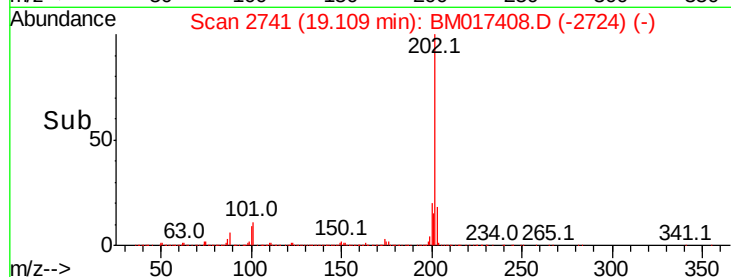
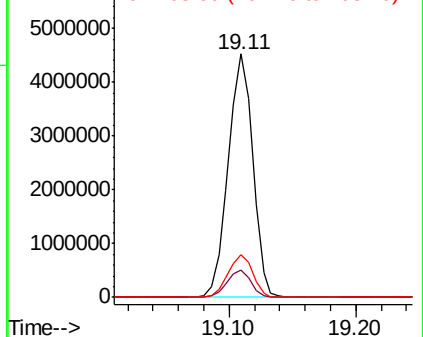


Abundance

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: 21.24 min Scan# 3104
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

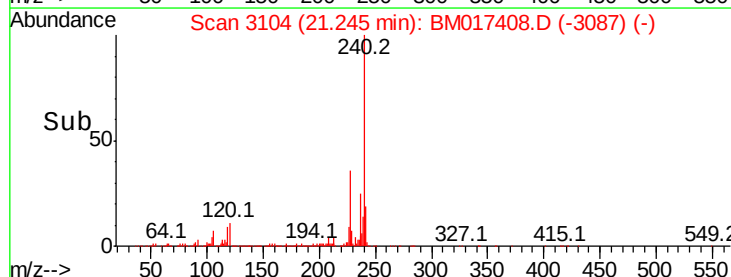
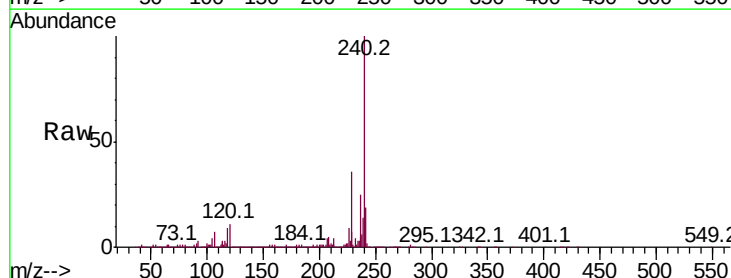
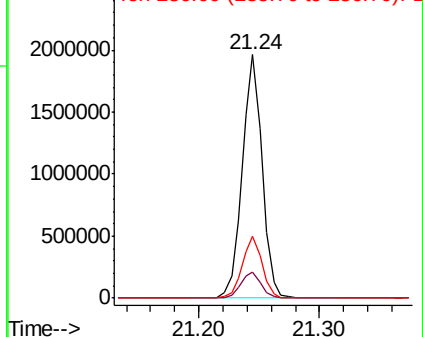
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.1	12.1
236	25.4	19.9	29.9

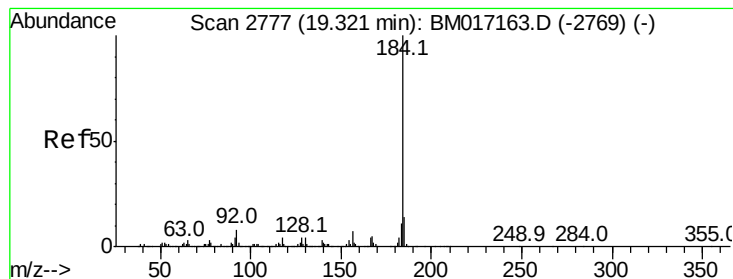
Abundance

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





#77

Benzidine

Concen: 6.816 ng

RT: 19.31 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

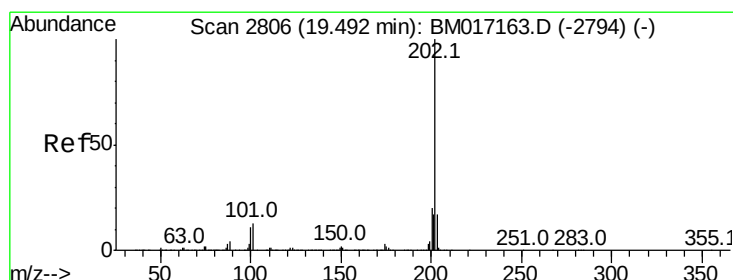
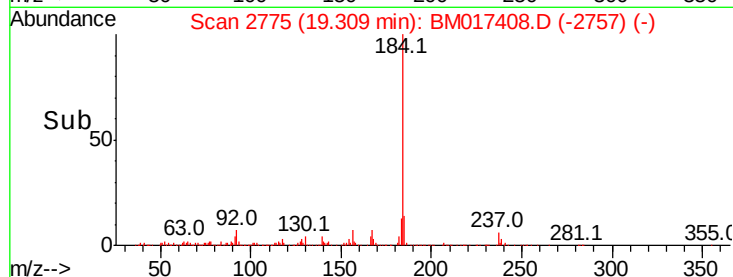
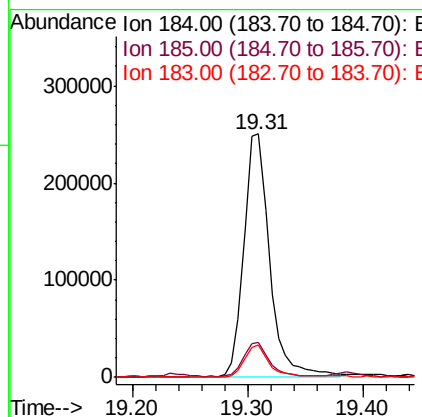
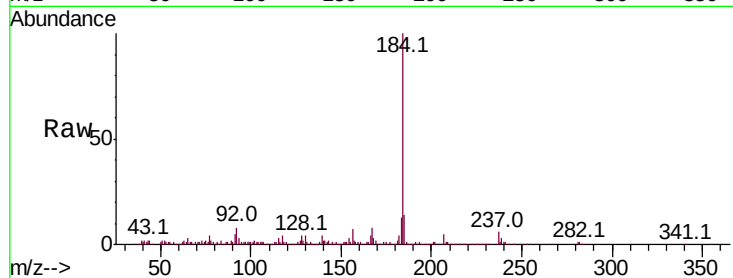
RBR-200030MSD

Tot Ion:	184	Resp:	388239
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.8	17.8
183	13.3	9.7	14.5

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#78

Pyrene

Concen: 48.821 ng

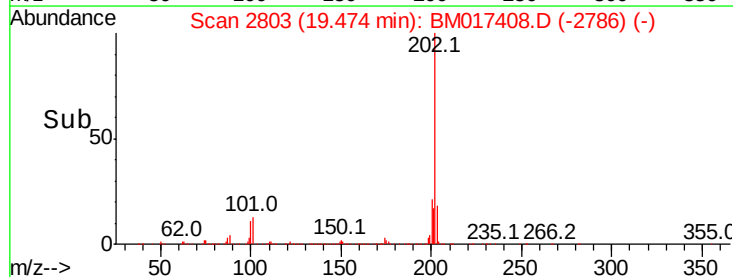
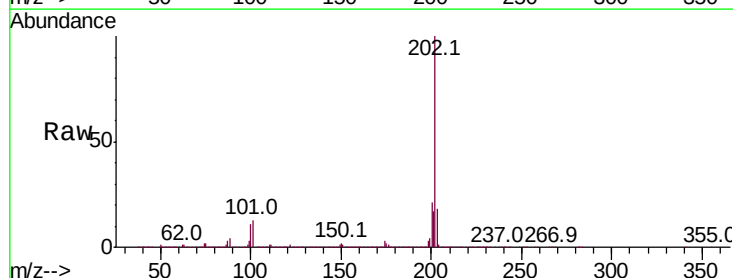
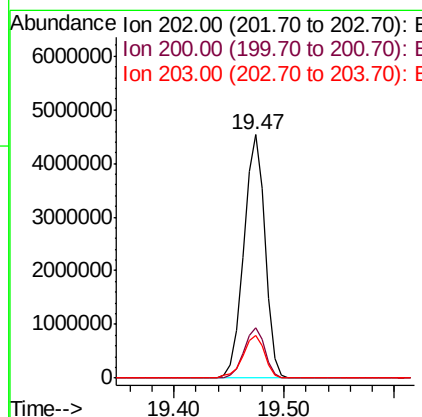
RT: 19.47 min Scan# 2803

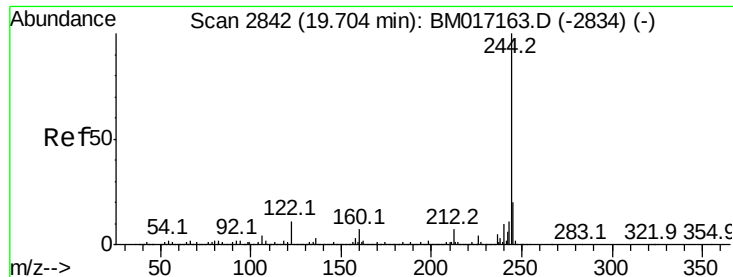
Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Tgt Ion:	202	Resp:	6129872
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.3	24.5
203	17.6	13.9	20.9





#79
 Terphenyl-d14
 Concen: 73.599 ng
 RT: 19.69 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

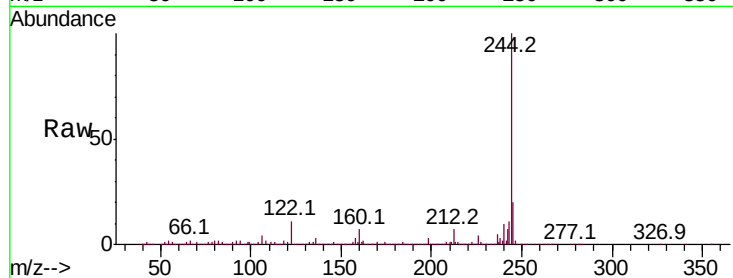
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	10.7	8.4	12.6

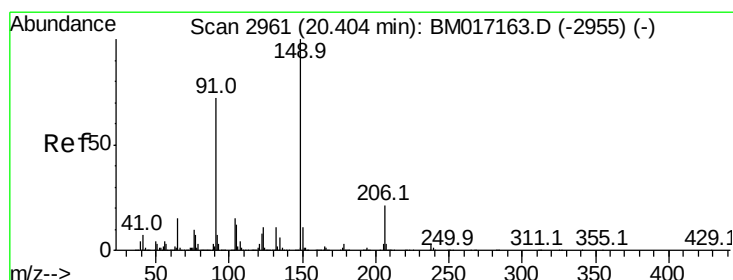
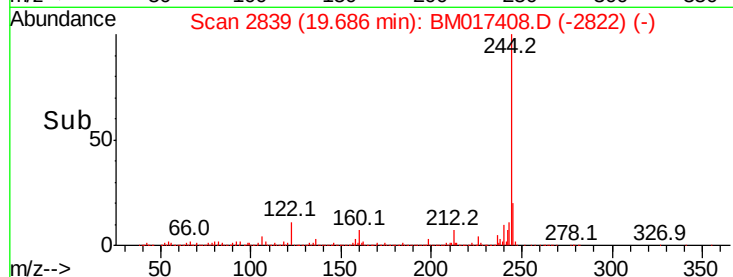
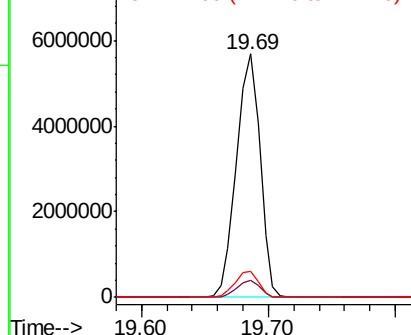
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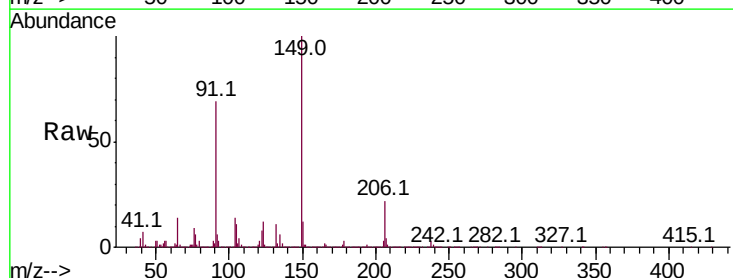


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

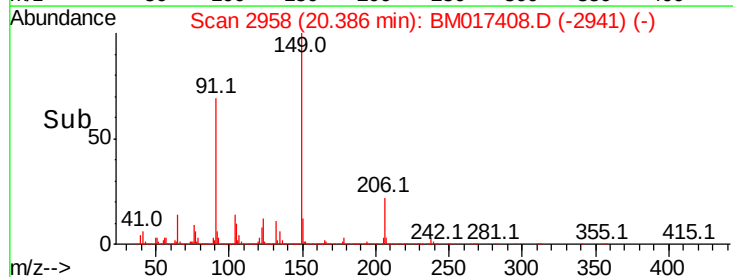
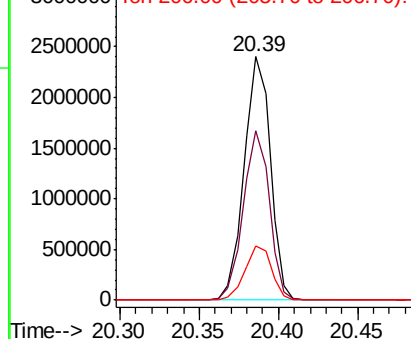


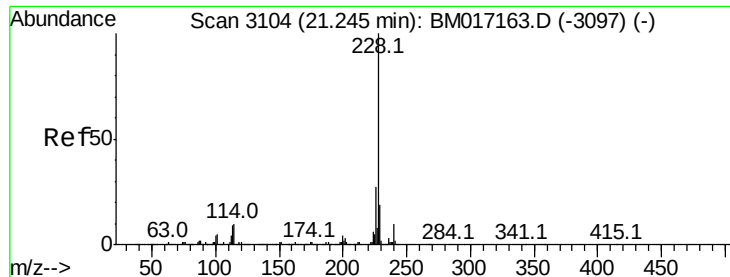
#80
 Butylbenzylphthalate
 Concen: 56.276 ng
 RT: 20.39 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: BM017408.D
 Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.4	51.3	76.9
206	22.3	18.0	27.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM0
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.461 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

RBR-200030MSD

Tot Ion:228 Resp: 6379344

Ion Ratio Lower Upper

228 100

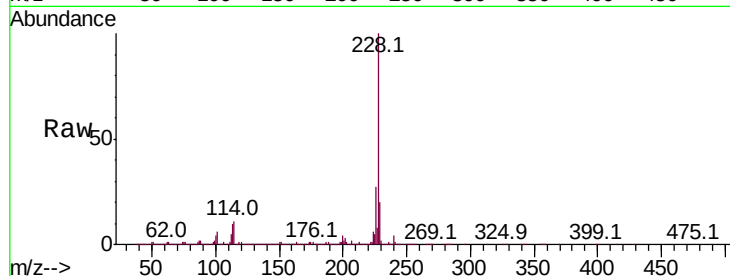
226 27.1 21.4 32.0

229 19.6 15.9 23.9

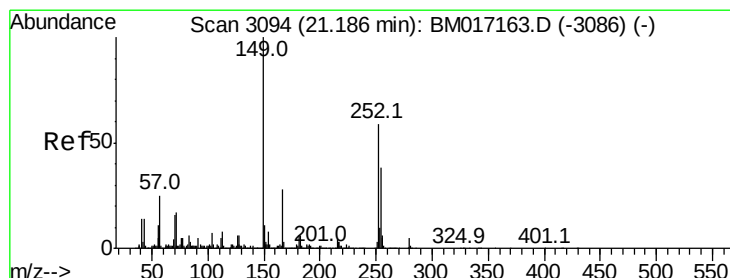
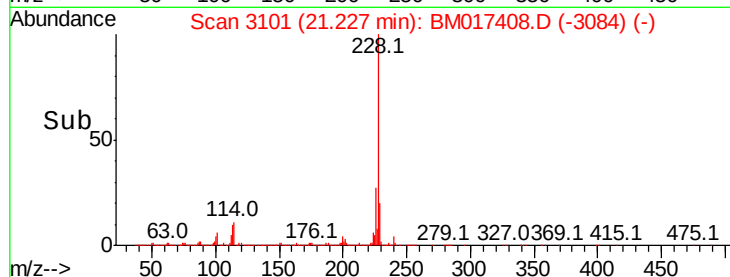
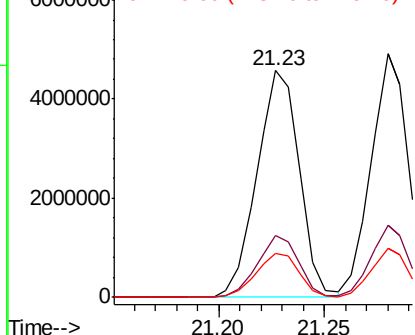
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.712 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

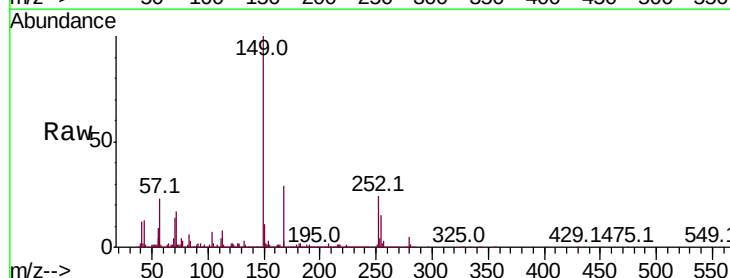
Tgt Ion:252 Resp: 1070120

Ion Ratio Lower Upper

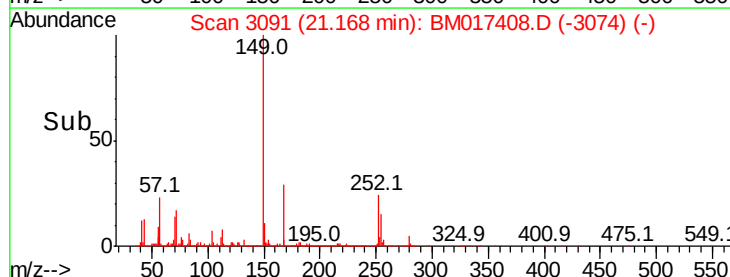
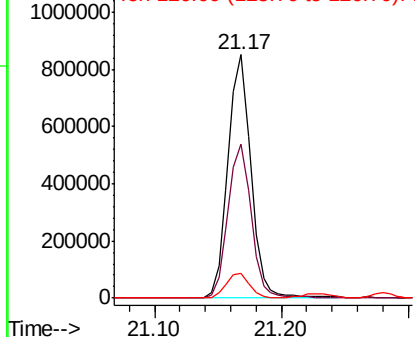
252 100

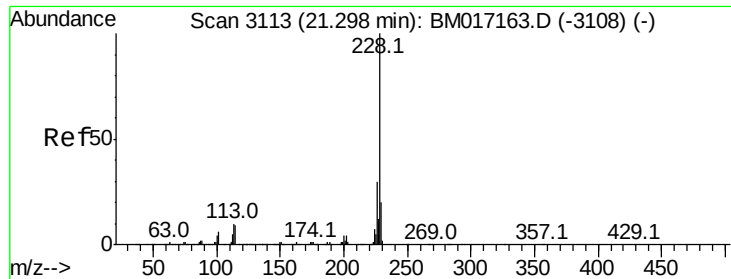
254 63.2 52.1 78.1

126 10.0 8.6 12.8



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: 47.989 ng
RT: 21.28 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

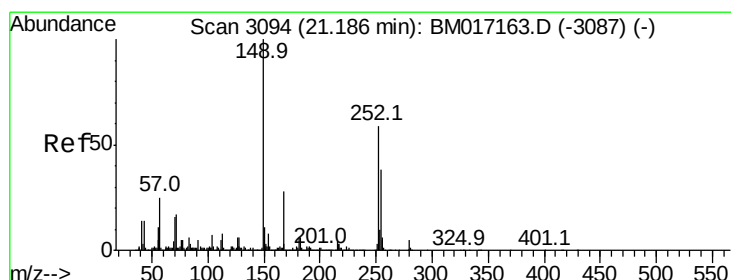
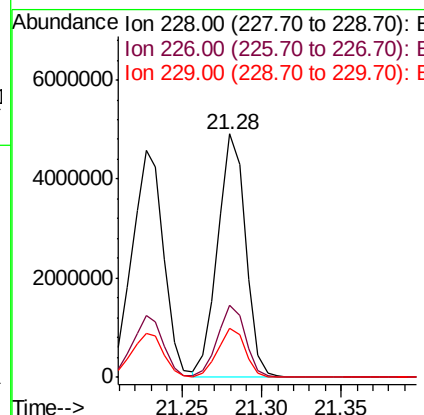
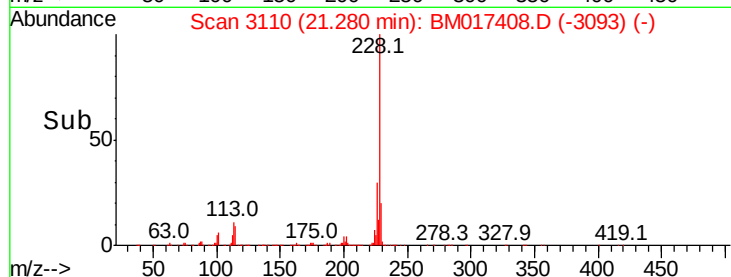
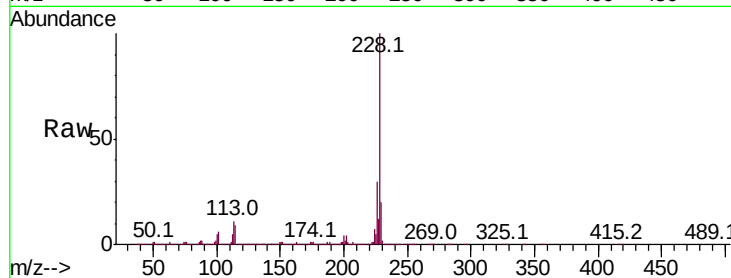
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:228 Resp: 6004838
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 20.1 15.6 23.4

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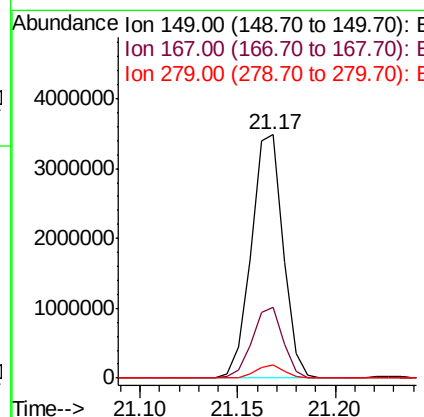
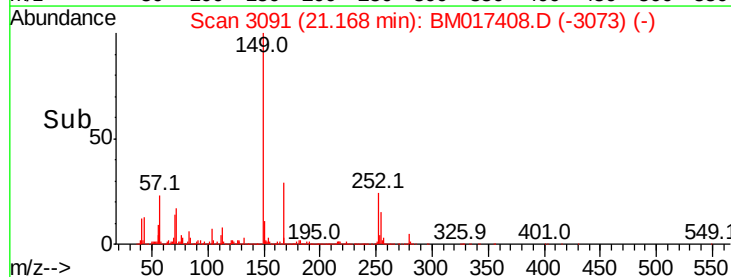
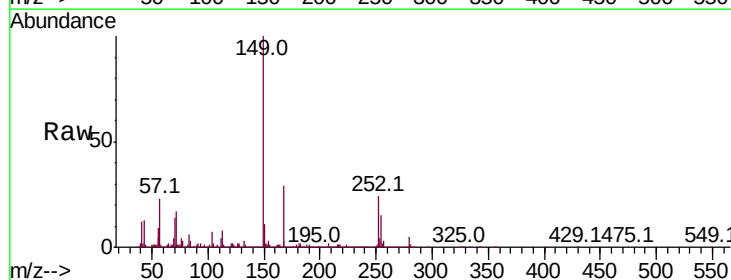
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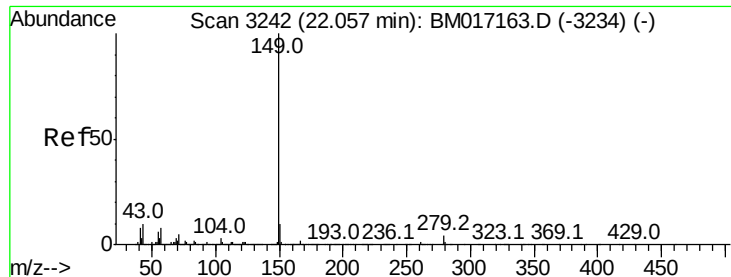
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#84
Bis(2-ethylhexyl)phthalate
Concen: 53.187 ng
RT: 21.17 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:149 Resp: 3935210
Ion Ratio Lower Upper
149 100
167 29.1 22.2 33.4
279 5.4 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 55.030 ng
RT: 22.04 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

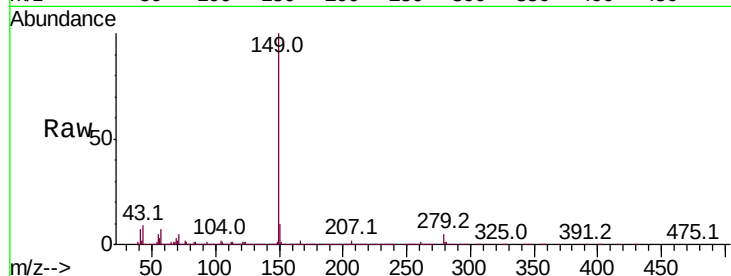
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:149 Resp: 6929381
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 8.7 7.2 10.8

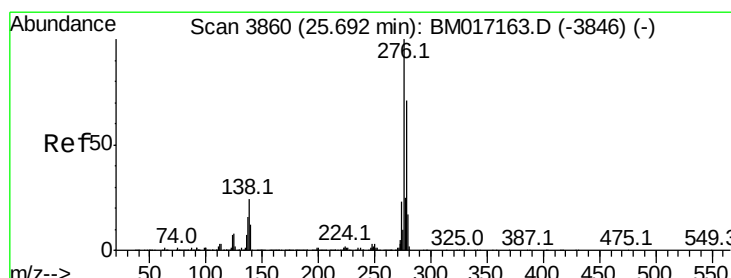
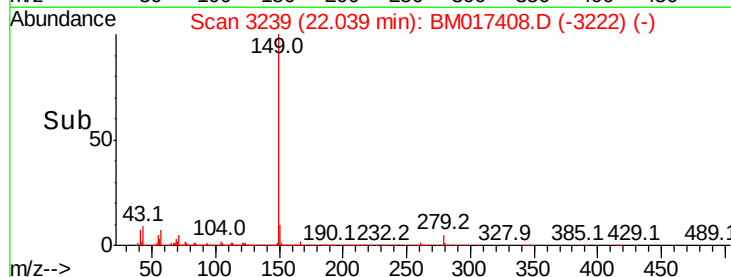
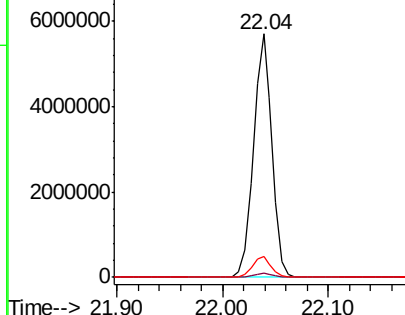
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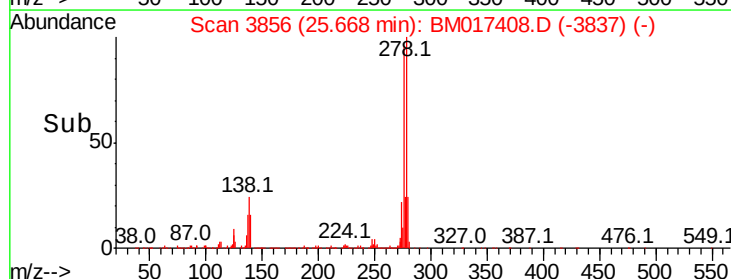
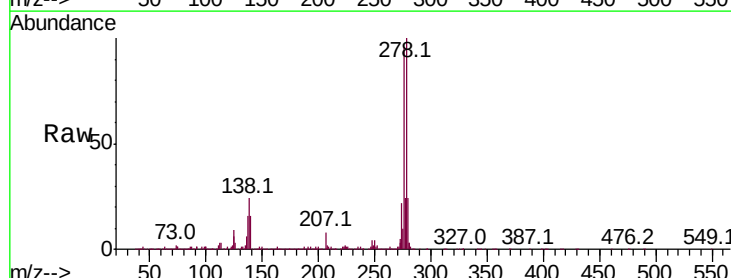
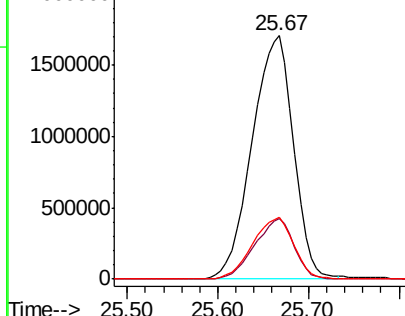
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

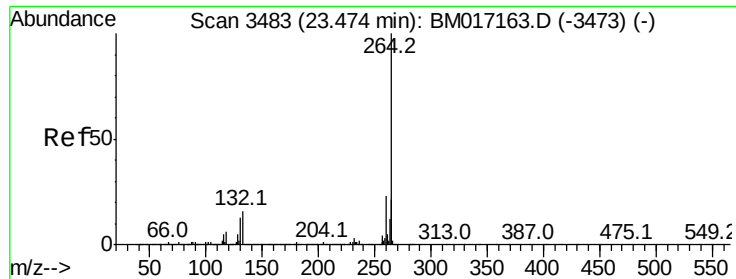


#86
Indeno(1,2,3-cd)pyrene
Concen: 38.775 ng
RT: 25.67 min Scan# 3856
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:276 Resp: 5426796
Ion Ratio Lower Upper
276 100
138 23.8 19.5 29.3
277 25.2 20.1 30.1

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

Pervlene-d12

Concen: 20.000 ng

RT: 23.45 min Scan# 3479

Delta R.T. -0.00 min

Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

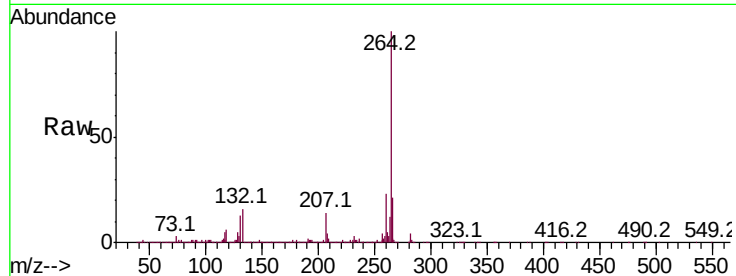
RBR-200030MSD

Tot Ion:	264	Resp:	2037845
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.6	27.8
265	21.4	17.8	26.8

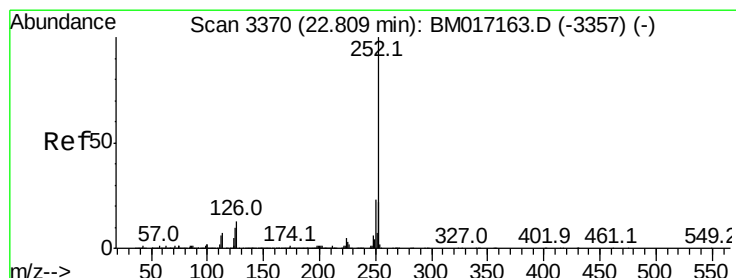
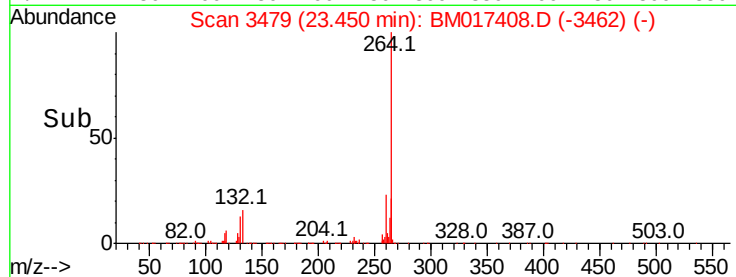
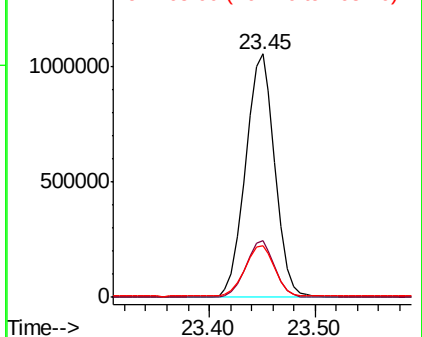
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 55.312 ng

RT: 22.79 min Scan# 3367

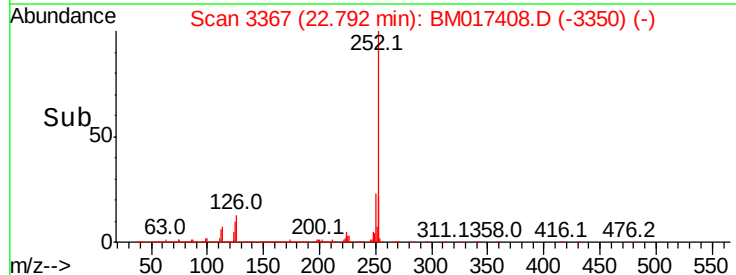
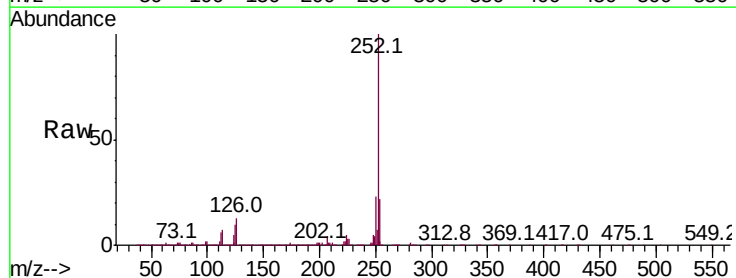
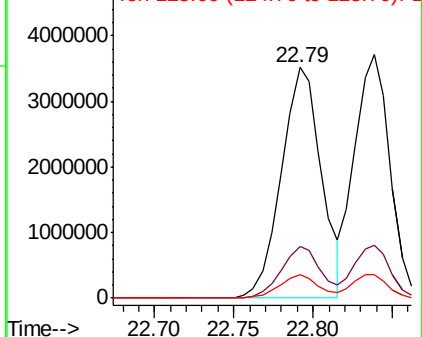
Delta R.T. -0.00 min

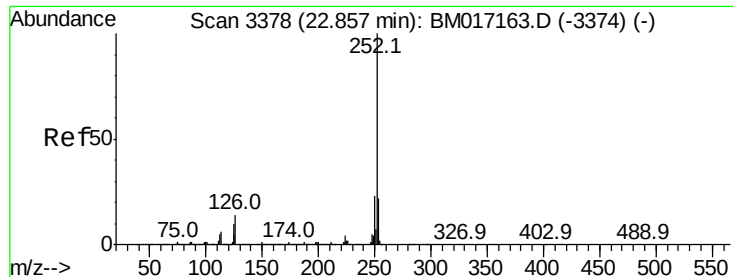
Lab File: BM017408.D

Acq: 29 Oct 2018 15:04

Tgt Ion:	252	Resp:	6162652
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	10.1	7.5	11.3

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: 51.637 ng
RT: 22.84 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

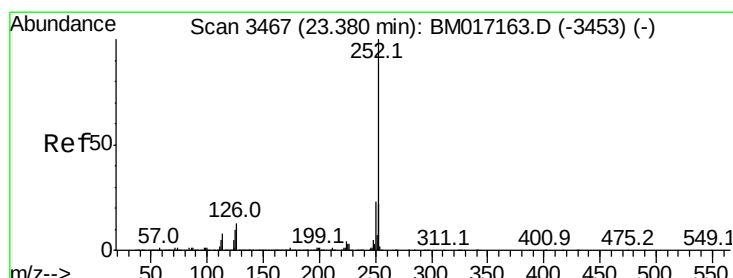
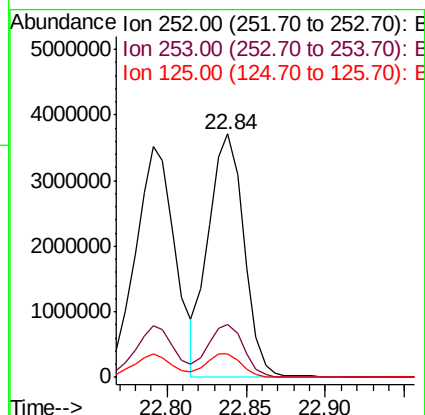
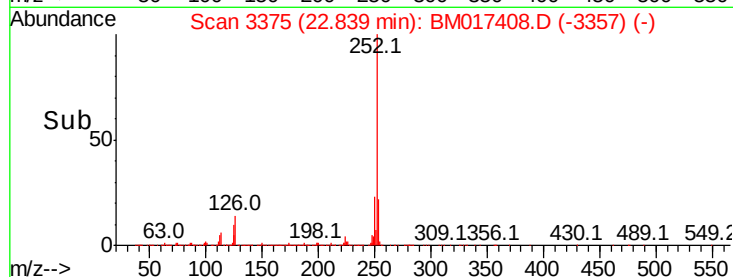
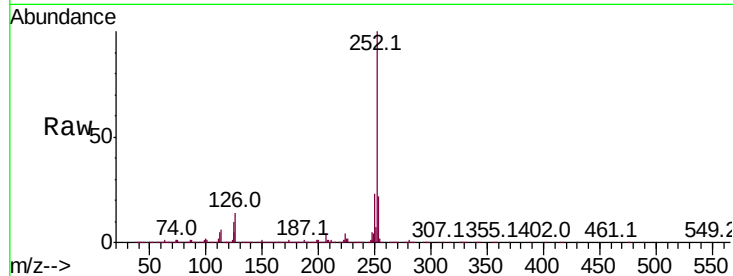
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion:252 Resp: 5772907
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.6 8.2 12.2

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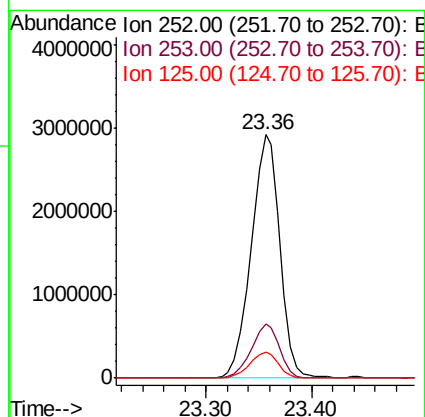
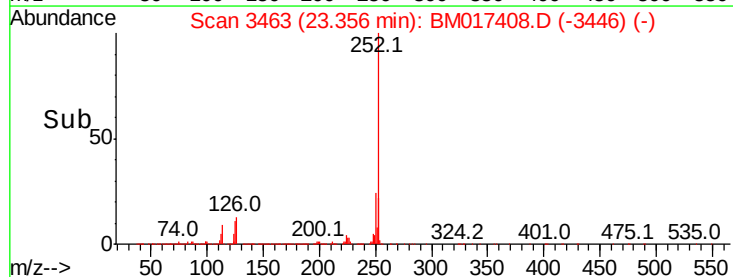
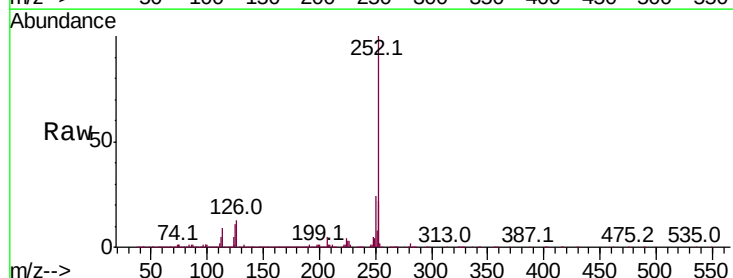
Sohil

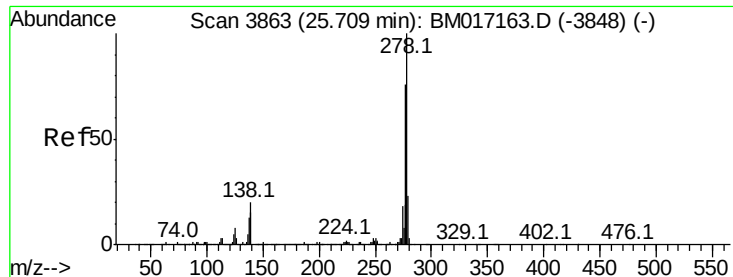
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#90
Benzo(a)pyrene
Concen: 52.097 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.00 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion:252 Resp: 5511171
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.8 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 44.413 ng
RT: 25.67 min Scan# 3857
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

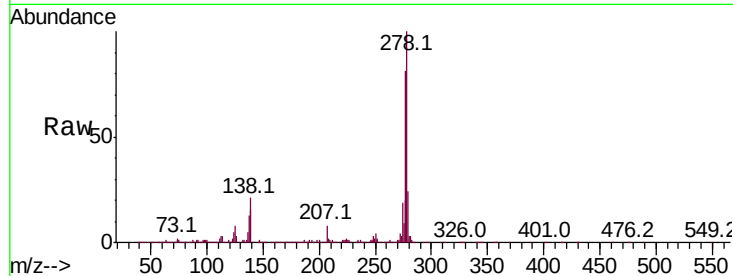
Instrument :
BNA_M
ClientSampleId :
RBR-200030MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.7	19.1
279	23.6	18.7	28.1

Manual Integrations
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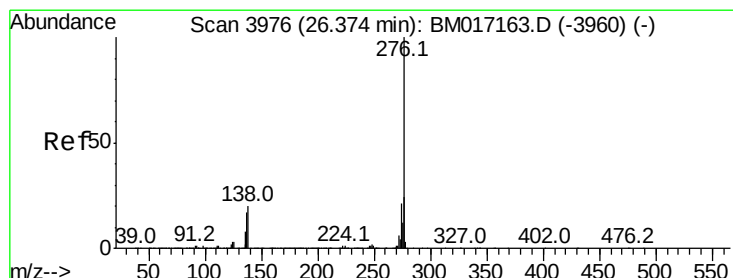
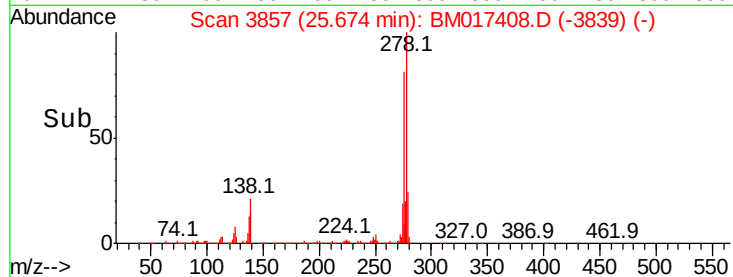
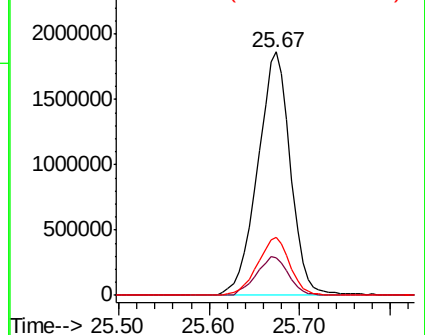


Abundance

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: 41.788 ng
RT: 26.33 min Scan# 3969
Delta R.T. 0.01 min
Lab File: BM017408.D
Acq: 29 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	19.3	16.4	24.6

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

