

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
 Data File : BM017212.D
 Acq On : 19 Oct 2018 02:45
 Operator : MJ/SJ
 Sample : J5569-11MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Manual Integrations
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Sohil
 10/19/2018 2:37:47 PM

Quant Time: Oct 19 13:59:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	371328	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	1557306	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	885007	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1833230	20.00	ng	0.00
76) Chrysene-d12	21.26	240	1508390	20.00	ng	0.00
87) Perylene-d12	23.46	264	1372694	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1684521	76.73	ng	0.00
7) Phenol-d6	6.85	99	1606666	53.73	ng	0.00
23) Nitrobenzene-d5	8.83	82	2271612	85.31	ng	0.00
42) 2,4,6-Tribromophenol	15.81	330	1395636	116.61	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	5167756	77.69	ng	0.00
79) Terphenyl-d14	19.70	244	6237544	93.21	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	197416	17.609	ng	88
3) Pyridine	3.65	79	468890	18.177	ng	# 82
4) n-Nitrosodimethylamine	3.56	42	268499	25.928	ng	# 73
6) Aniline	7.01	93	1131192	30.246	ng	97
8) 2-Chlorophenol	7.24	128	1110110	43.707	ng	97
9) Benzaldehyde	6.82	77	809153	42.441	ng	94
10) Phenol	6.88	94	765186	23.778	ng	98
11) bis(2-Chloroethyl)ether	7.11	93	1114708	43.452	ng	99
12) 1,3-Dichlorobenzene	7.56	146	1170700	39.540	ng	97
13) 1,4-Dichlorobenzene	7.70	146	1208688	39.956	ng	97
14) 1,2-Dichlorobenzene	8.02	146	1169700	40.133	ng	99
15) Benzyl Alcohol	7.92	79	853109	39.033	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.19	45	1511146	42.164	ng	99
17) 2-Methylphenol	8.12	107	831247	40.243	ng	98
18) Hexachloroethane	8.73	117	423732	40.931	ng	98
19) n-Nitroso-di-n-propylamine	8.48	70	938648	47.674	ng	98
20) 3+4-Methylphenols	8.45	107	1048909	37.128	ng	97
22) Acetophenone	8.49	105	1837138	46.538	ng	# 99
24) Nitrobenzene	8.87	77	1360748	48.313	ng	96
25) Isophorone	9.39	82	2481221	56.431	ng	98
26) 2-Nitrophenol	9.57	139	648642	49.064	ng	98
27) 2,4-Dimethylphenol	9.63	122	1057934	54.414	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	1564371	50.549	ng	100
29) 2,4-Dichlorophenol	10.10	162	1134557	50.260	ng	98
30) 1,2,4-Trichlorobenzene	10.31	180	1182070	43.651	ng	99
31) Naphthalene	10.50	128	3668672	48.071	ng	100
32) Benzoic acid	9.74	122	175327	12.086	ng	93
33) 4-Chloroaniline	10.61	127	1257251	38.144	ng	97
34) Hexachlorobutadiene	10.77	225	715973	41.728	ng	99
35) Caprolactam	11.48	113	72768m	8.845	ng	
36) 4-Chloro-3-methylphenol	11.74	107	1178027	46.296	ng	97
37) 2-Methylnaphthalene	12.11	142	2798748	53.591	ng	98
38) 1-Methylnaphthalene	12.33	142	2657856	52.290	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	1447058	46.429	ng	99

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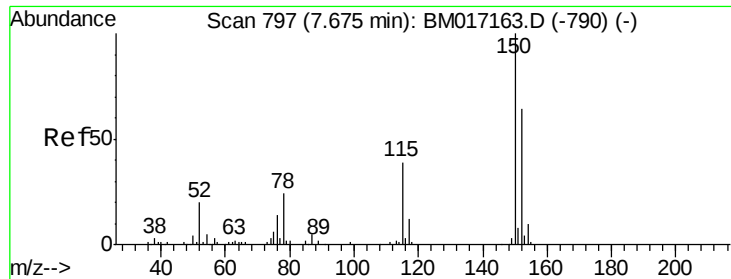
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	1899197	126.049	ng	99
43) 2,4,6-Trichlorophenol	12.73	196	942030	52.067	ng	99
44) 2,4,5-Trichlorophenol	12.80	196	1003537	51.726	ng	98
46) 1,1'-Biphenyl	13.14	154	3547270	44.540	ng	99
47) 2-Chloronaphthalene	13.18	162	2743029	46.818	ng	99
48) 2-Nitroaniline	13.39	65	805187	48.568	ng	97
49) Acenaphthylene	14.03	152	4421386	52.062	ng	100
50) Dimethylphthalate	13.78	163	3510914	51.420	ng	99
51) 2,6-Dinitrotoluene	13.90	165	752542	50.076	ng	96
52) Acenaphthene	14.37	154	2597307	48.709	ng	98
53) 3-Nitroaniline	14.23	138	639011	39.261	ng	94
54) 2,4-Dinitrophenol	14.43	184	638274	73.180	ng	98
55) Dibenzofuran	14.72	168	4116196	46.420	ng	98
56) 4-Nitrophenol	14.54	139	921176	63.156	ng	96
57) 2,4-Dinitrotoluene	14.69	165	1001211	49.570	ng	# 97
58) Fluorene	15.36	166	3280434	49.980	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	904118	51.124	ng	98
60) Diethylphthalate	15.15	149	3312261	48.916	ng	100
61) 4-Chlorophenyl-phenylether	15.36	204	1672189	44.690	ng	95
62) 4-Nitroaniline	15.40	138	742208	41.569	ng	95
63) Azobenzene	15.66	77	3156259	47.956	ng	98
65) 4,6-Dinitro-2-methylphenol	15.45	198	557905	47.481	ng	96
66) n-Nitrosodiphenylamine	15.58	169	2843529	51.268	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	1061941	52.757	ng	95
68) Hexachlorobenzene	16.36	284	1135099	48.546	ng	96
69) Atrazine	16.54	200	987627	49.752	ng	97
70) Pentachlorophenol	16.71	266	1298732	81.083	ng	99
71) Phenanthrene	17.10	178	4923641	49.780	ng	100
72) Anthracene	17.20	178	5016880	53.382	ng	100
73) Carbazole	17.47	167	4325422	45.056	ng	99
74) Di-n-butylphthalate	18.04	149	5166712	51.027	ng	99
75) Fluoranthene	19.12	202	5239028	47.072	ng	99
77) Benzidine	19.32	184	2808138	73.420	ng	99
78) Pyrene	19.49	202	5220813	61.928	ng	99
80) Butylbenzylphthalate	20.40	149	1965835	59.293	ng	93
81) Benzo(a)anthracene	21.24	228	4468193	52.639	ng	99
82) 3,3'-Dichlorobenzidine	21.18	252	1445392	45.688	ng	99
83) Chrysene	21.29	228	4228636	50.331	ng	99
84) Bis(2-ethylhexyl)phthalate	21.18	149	2681775	53.903	ng	99
85) Di-n-octyl phthalate	22.05	149	4125607	49.427	ng	99
86) Indeno(1,2,3-cd)pyrene	25.69	276	4536638	48.276	ng	98
88) Benzo(b)fluoranthene	22.80	252	4025962	53.644	ng	100
89) Benzo(k)fluoranthene	22.85	252	3850816	51.135	ng	98
90) Benzo(a)pyrene	23.37	252	3797255	53.289	ng	99
91) Dibenzo(a,h)anthracene	25.70	278	3810796	53.858	ng	98
92) Benzo(g,h,i)perylene	26.36	276	3883227	55.373	ng	98

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



#1

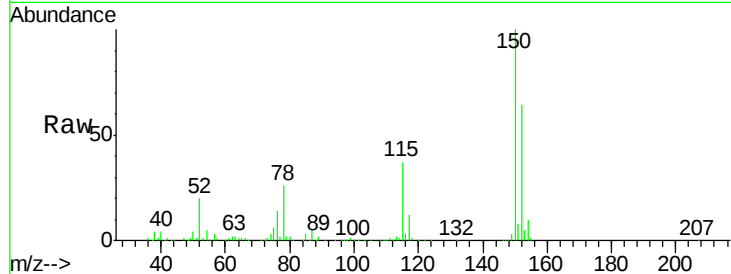
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
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RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	58.2	48.1	72.1

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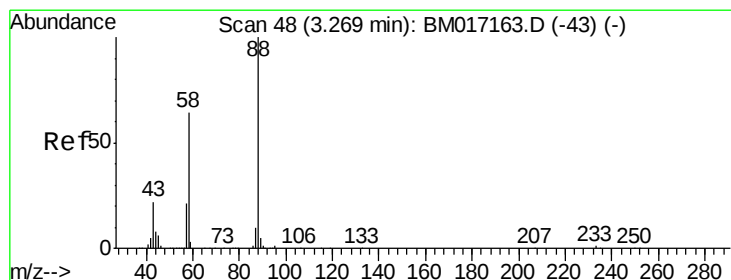
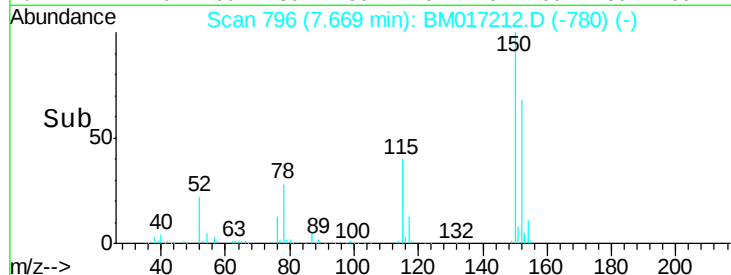
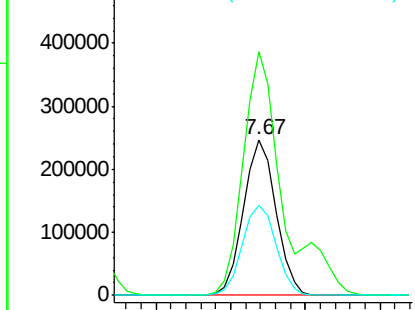


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

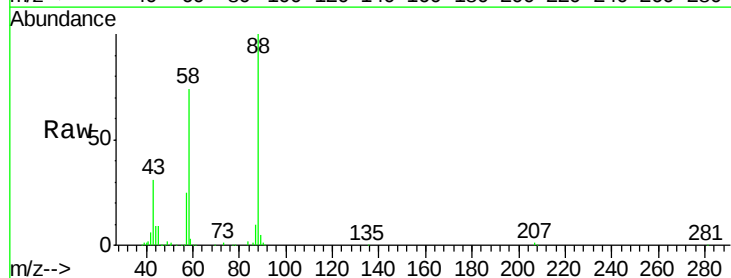
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 17.609 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.2	50.2	75.4
43	28.4	19.3	28.9

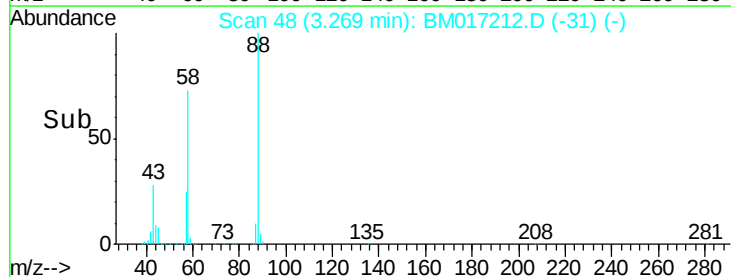
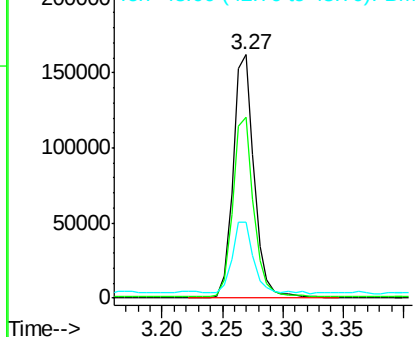


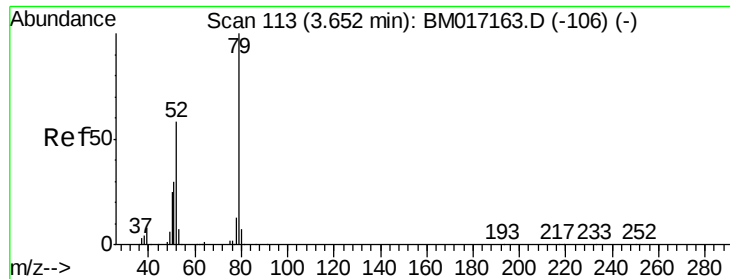
Abundance

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

Pyridine

Concen: 18.177 ng

RT: 3.65 min Scan# 112

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

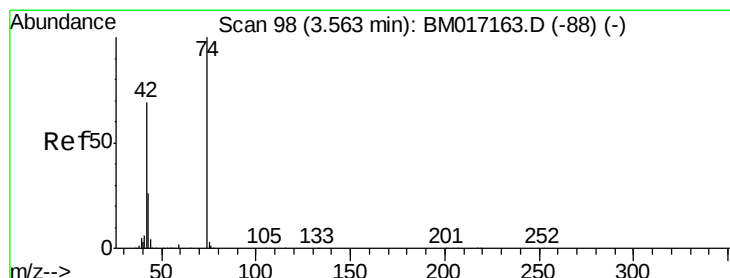
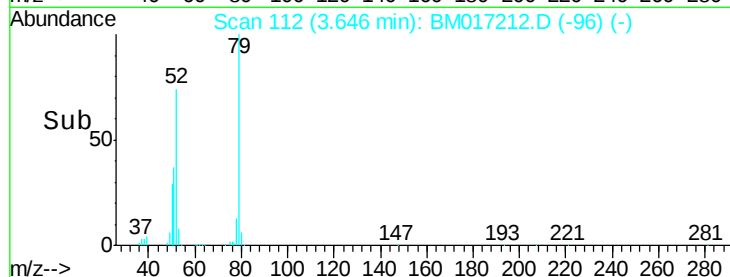
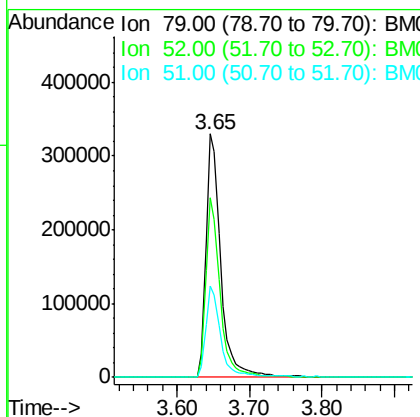
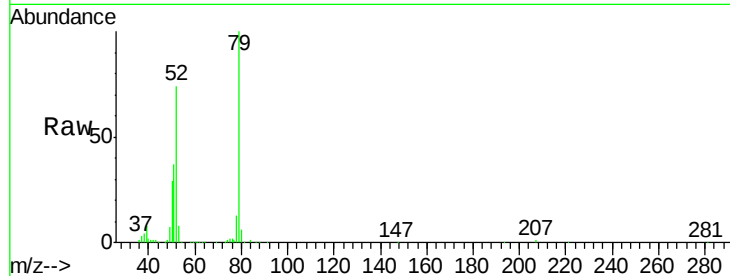
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	79	Resp:	468890
Ion	Ratio	Lower	Upper
79	100		
52	74.0	46.5	69.7#
51	37.3	24.6	37.0#

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#4

n-Nitrosodimethylamine

Concen: 25.928 ng

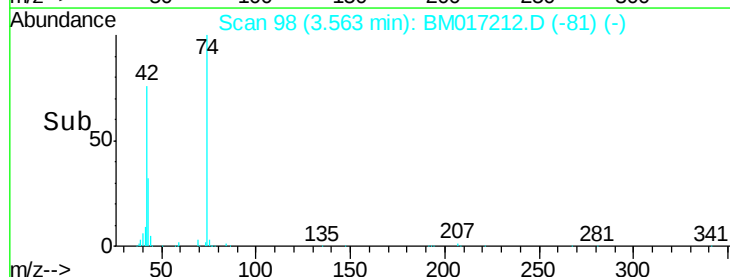
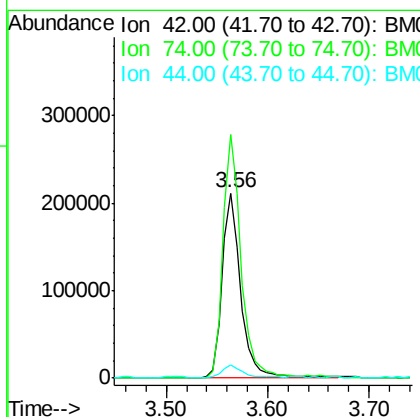
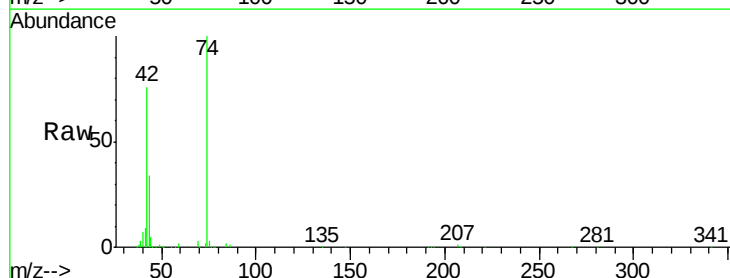
RT: 3.56 min Scan# 98

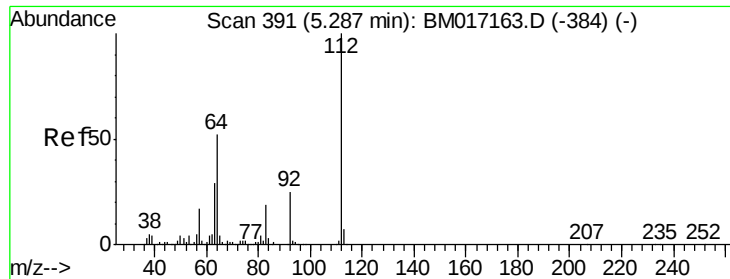
Delta R.T. -0.00 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion:	42	Resp:	268499
Ion	Ratio	Lower	Upper
42	100		
74	131.7	114.4	171.6
44	7.1	48.6	73.0#





#5

2-Fluorophenol

Concen: 76.727 ng

RT: 5.29 min Scan# 391

Delta R.T. 0.00 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

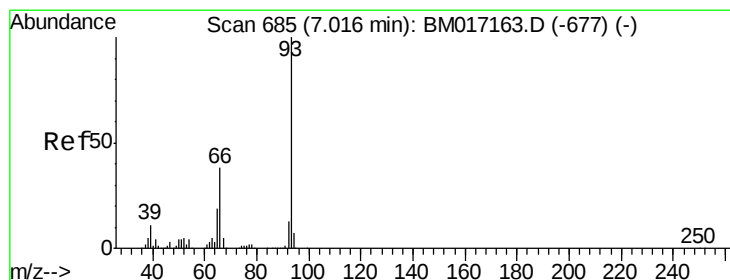
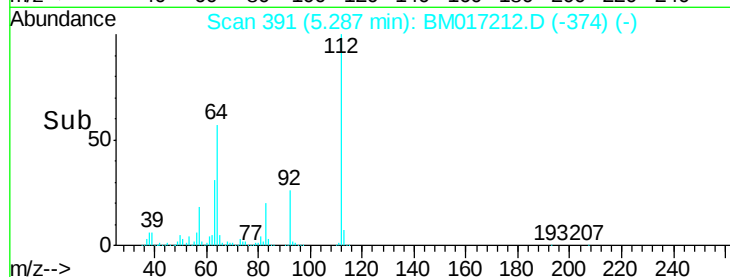
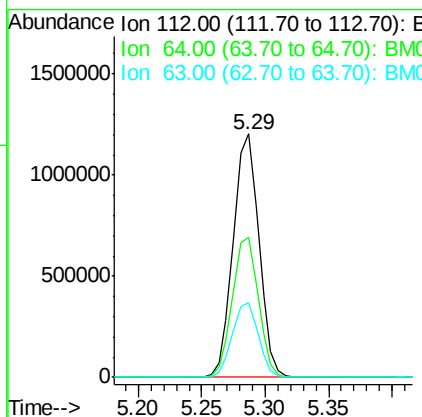
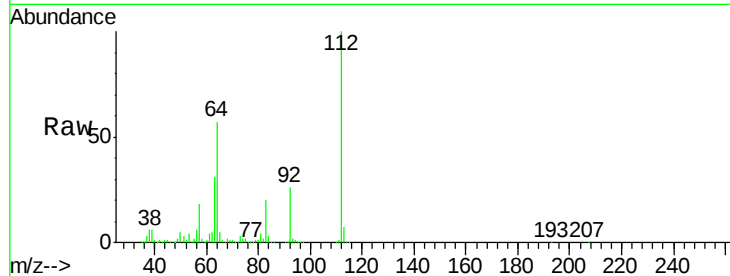
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	112	Resp:	1684521
Ion	Ratio	Lower	Upper
112	100		
64	57.4	41.7	62.5
63	30.5	23.0	34.4

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#6

Aniline

Concen: 30.246 ng

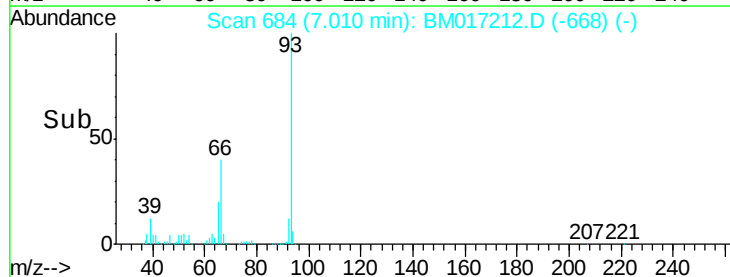
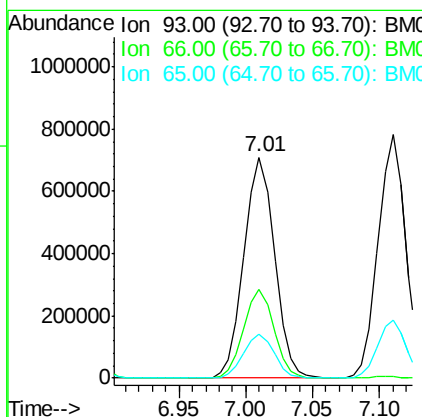
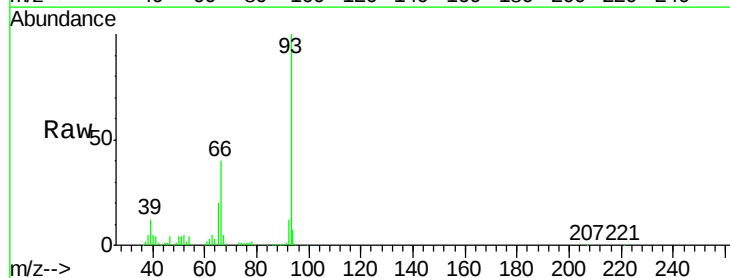
RT: 7.01 min Scan# 684

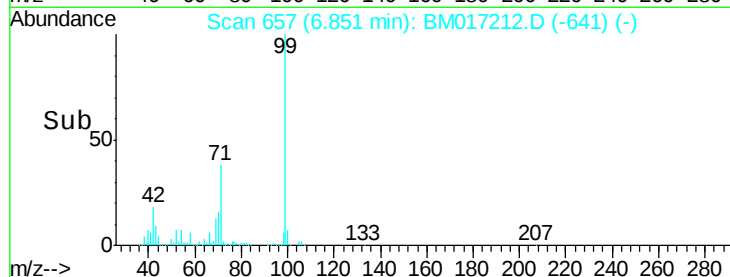
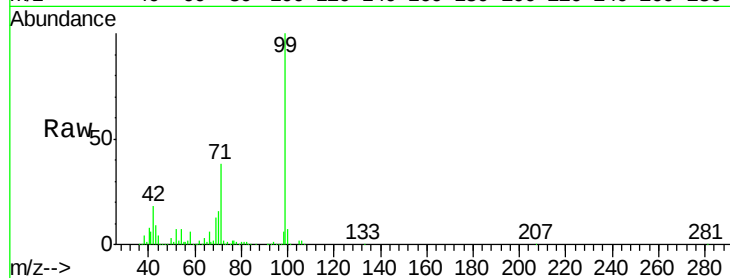
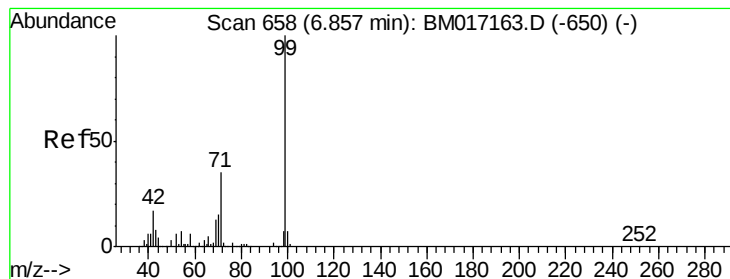
Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion:	93	Resp:	1131192
Ion	Ratio	Lower	Upper
93	100		
66	40.3	30.4	45.6
65	20.2	15.3	22.9





#7

Phenol-d6

Concen: 53.733 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion:	99	Resp:	1606666
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.3	19.9
71	37.6	28.0	42.0

Instrument :

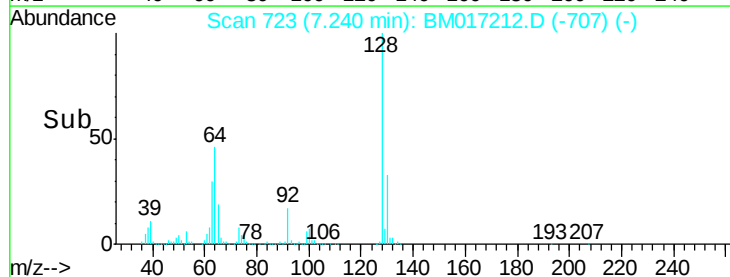
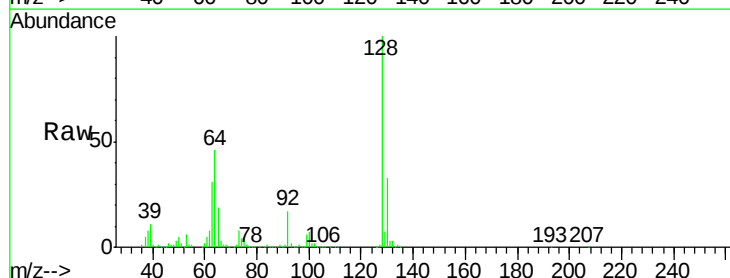
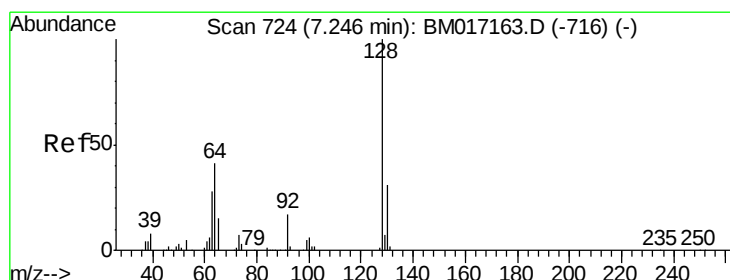
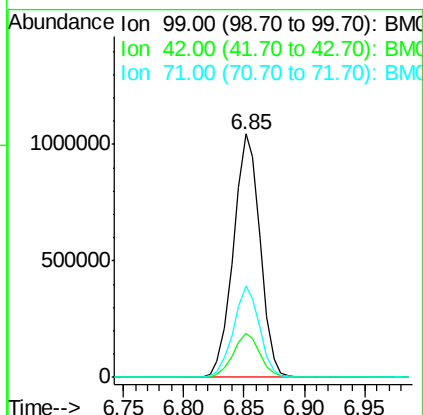
BNA_M

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RLF-SW-5MSD

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#8

2-Chlorophenol

Concen: 43.707 ng

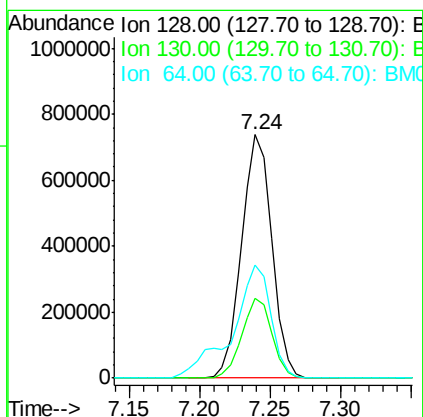
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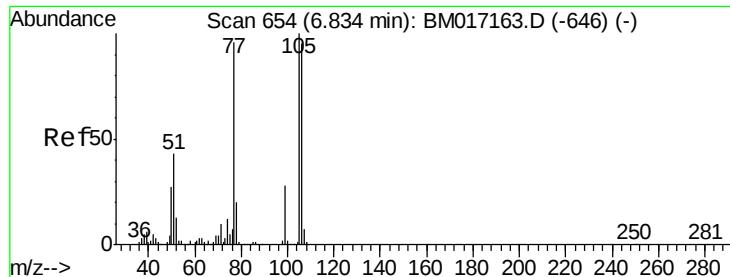
Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion:	128	Resp:	1110110
Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.0	51.0
64	46.4	24.1	64.1





#9

Benzaldehyde

Concen: 42.441 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

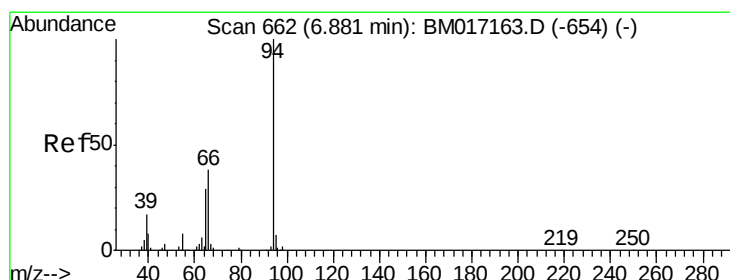
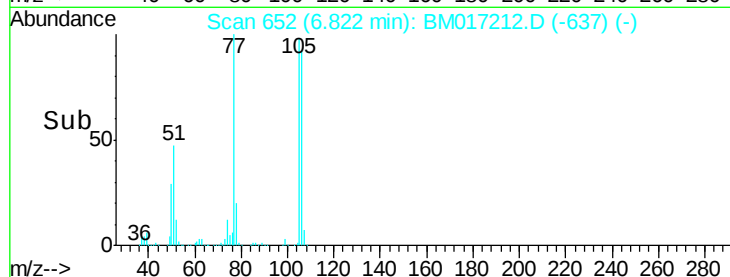
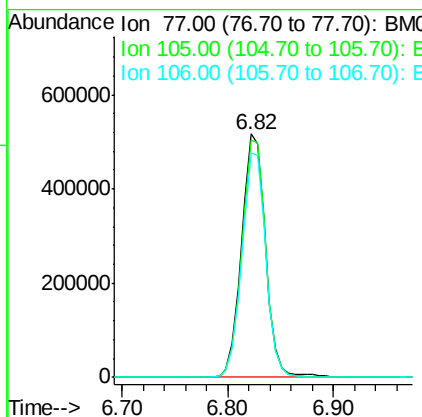
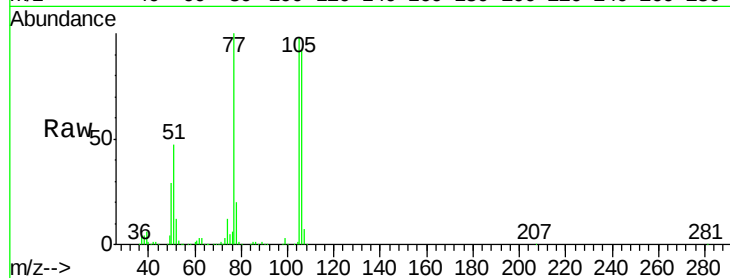
ClientSampleId :

RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
77	100		
105	97.6	83.9	123.9
106	92.4	78.2	118.2

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#10

Phenol

Concen: 23.778 ng

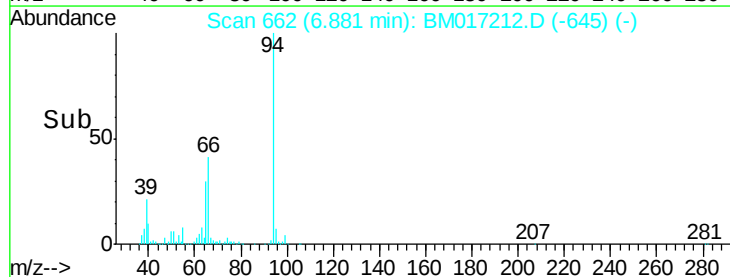
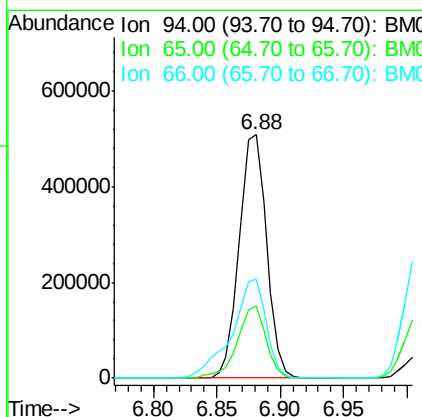
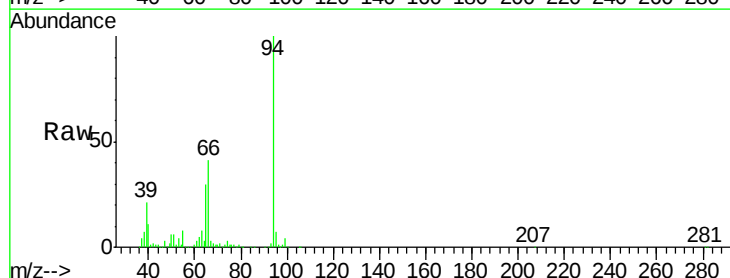
RT: 6.88 min Scan# 662

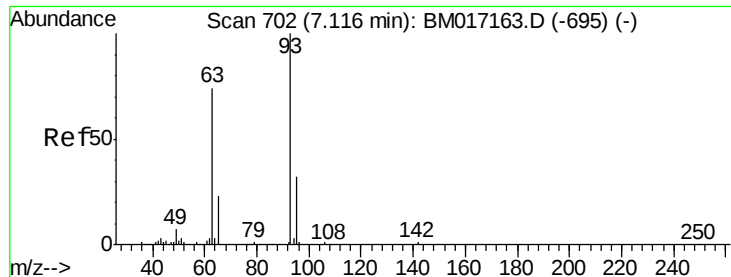
Delta R.T. -0.00 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.4	49.4
66	40.7	19.0	59.0





#11

bis(2-Chloroethyl)ether

Concen: 43.452 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 93 Resp: 1114708

Ion Ratio Lower Upper

93 100

63 75.1 54.0 94.0

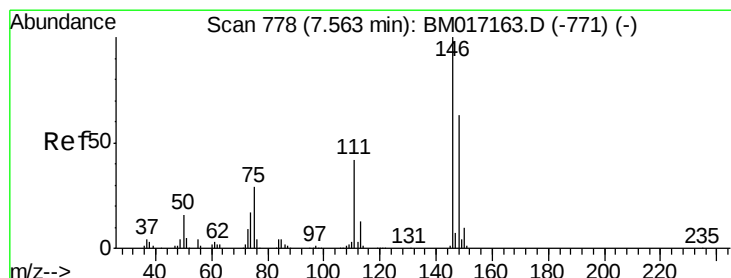
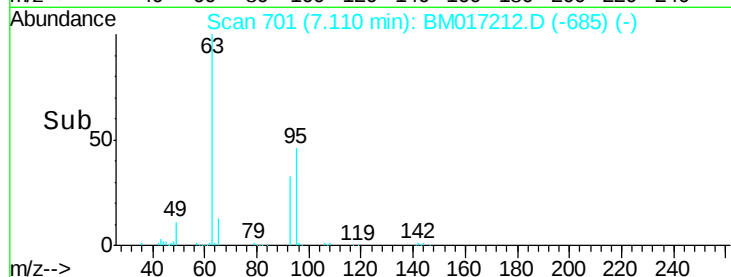
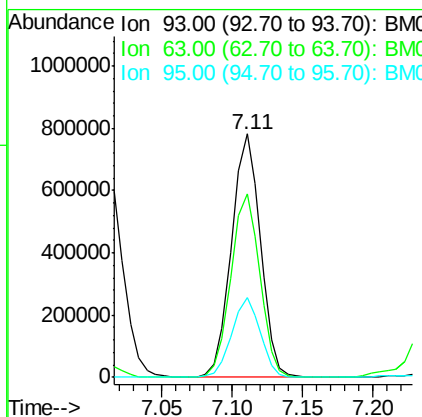
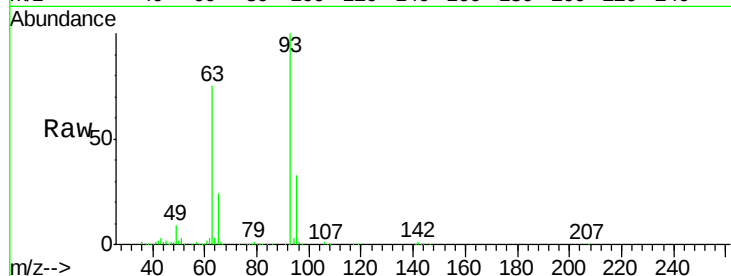
95 32.7 11.8 51.8

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#12

1,3-Dichlorobenzene

Concen: 39.540 ng

RT: 7.56 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

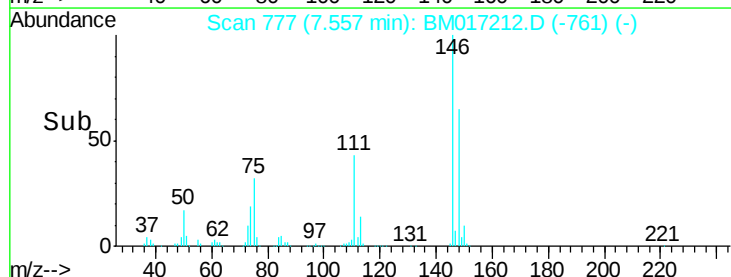
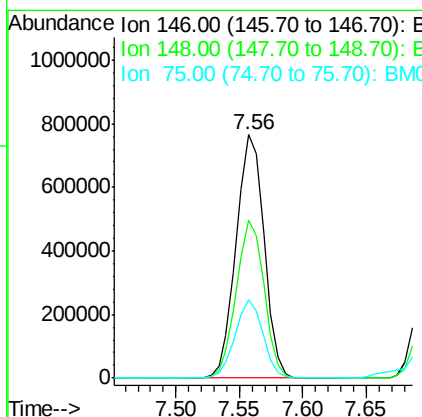
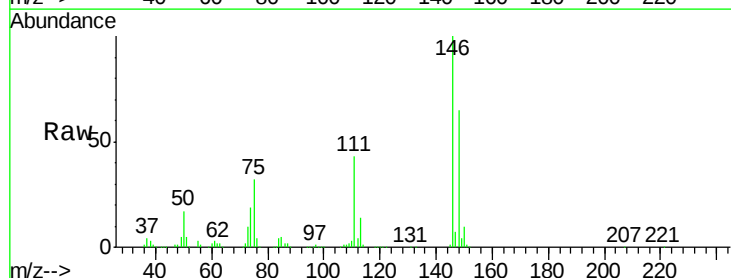
Tgt Ion: 146 Resp: 1170700

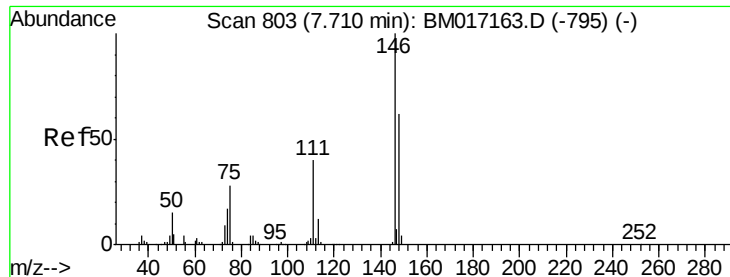
Ion Ratio Lower Upper

146 100

148 64.6 50.2 75.4

75 32.2 23.3 34.9





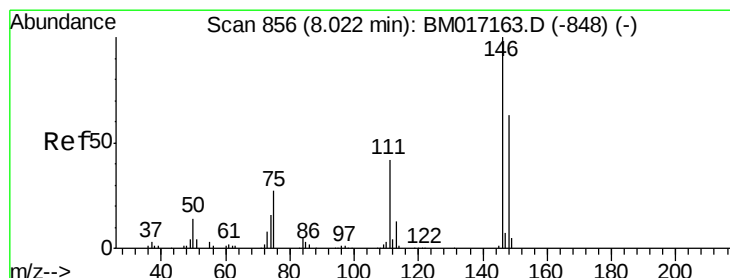
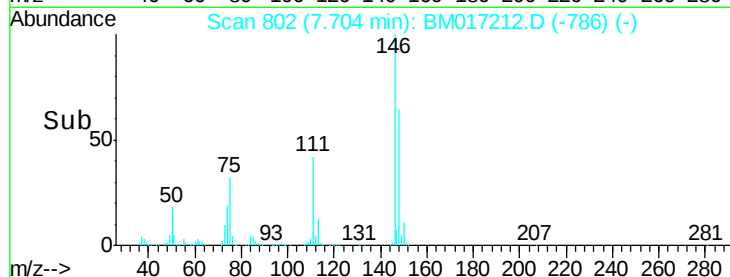
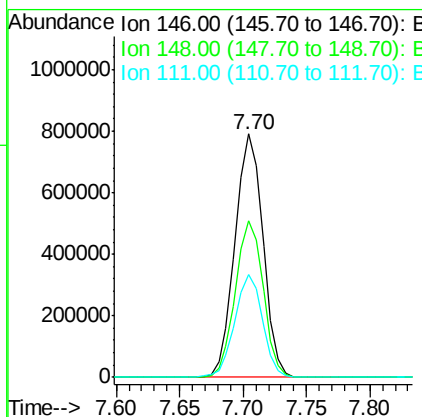
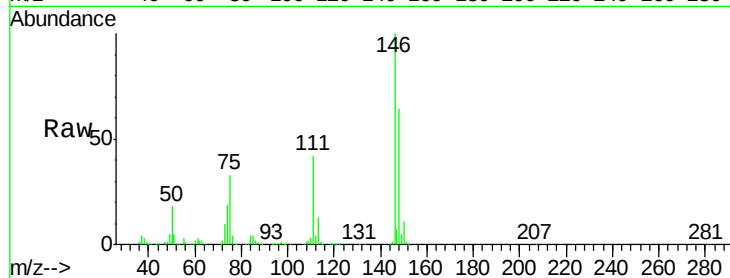
#13
 1,4-Dichlorobenzene
 Concen: 39.956 ng
 RT: 7.70 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion:146 Resp: 1208688
 Ion Ratio Lower Upper
 146 100
 148 64.3 49.8 74.6
 111 42.2 32.1 48.1

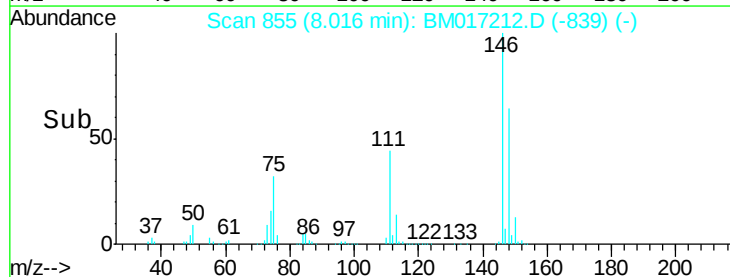
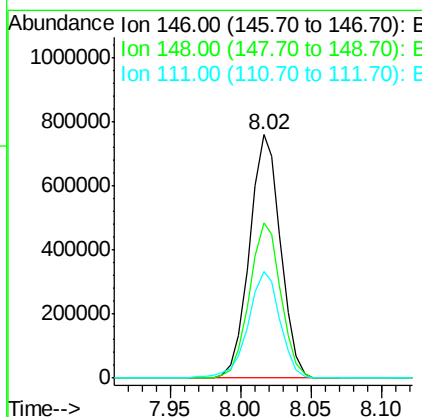
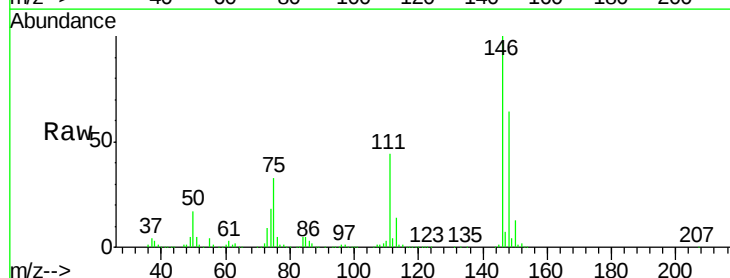
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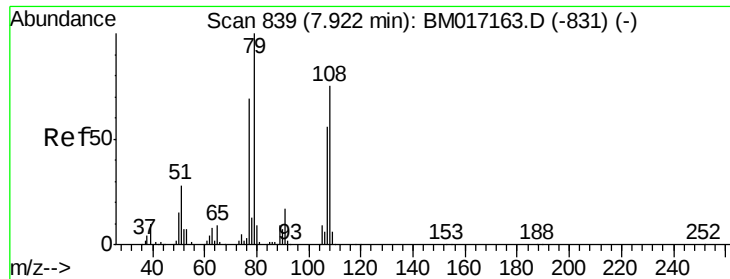
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#14
 1,2-Dichlorobenzene
 Concen: 40.133 ng
 RT: 8.02 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion:146 Resp: 1169700
 Ion Ratio Lower Upper
 146 100
 148 63.7 50.8 76.2
 111 43.7 33.8 50.6





#15

Benzyl Alcohol

Concen: 39.033 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

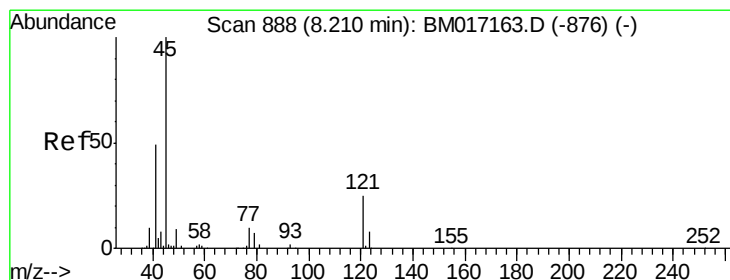
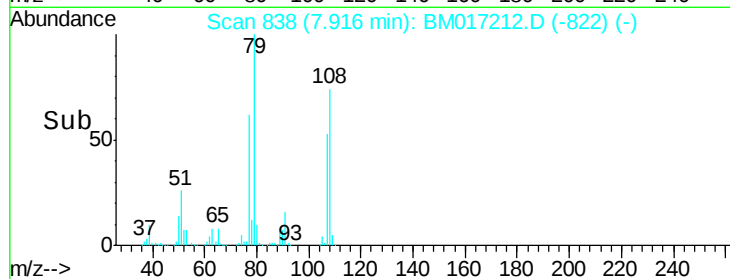
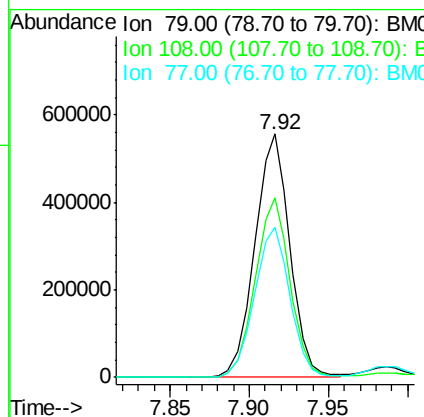
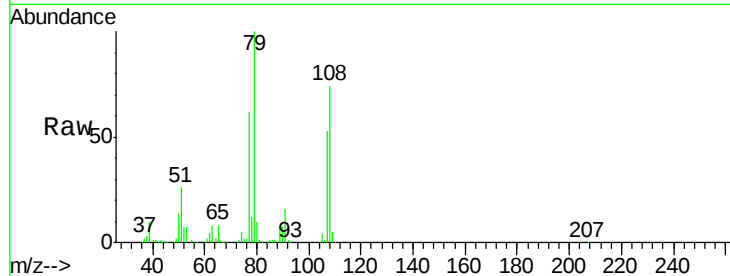
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	79	Resp:	853109
Ion Ratio	Lower	Upper	
79	100		
108	73.6	60.3	90.5
77	61.9	54.8	82.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.164 ng

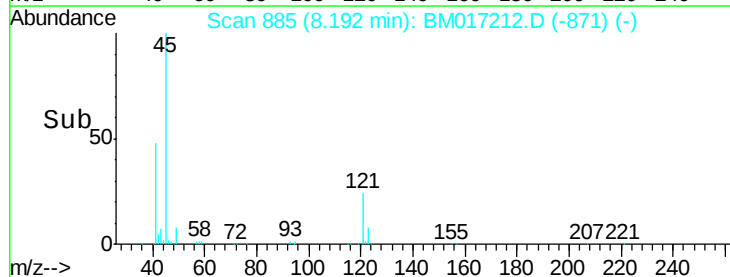
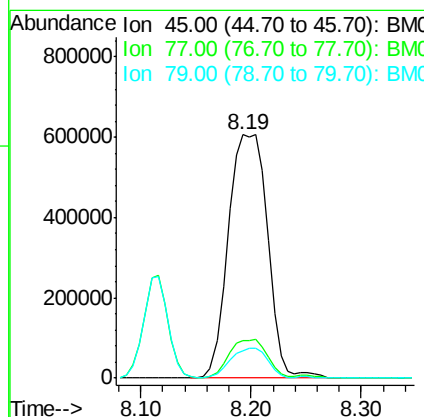
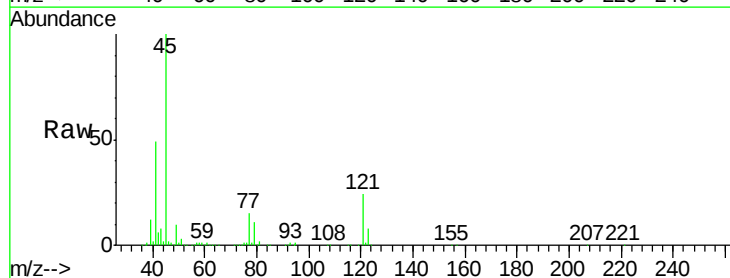
RT: 8.19 min Scan# 885

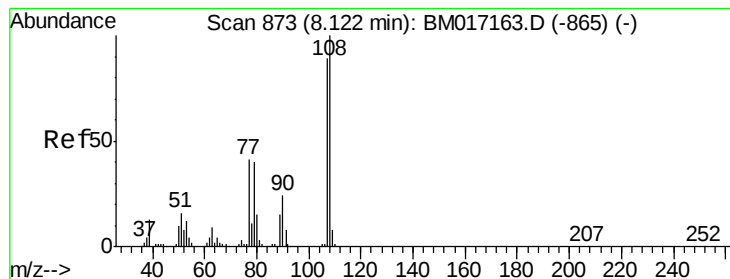
Delta R.T. -0.02 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Tgt Ion:	45	Resp:	1511146
Ion Ratio	Lower	Upper	
45	100		
77	15.3	0.0	35.5
79	11.1	0.0	32.1





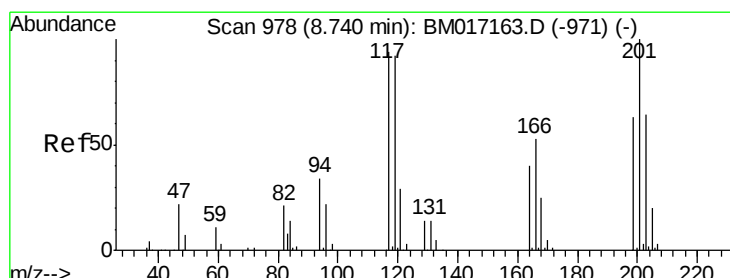
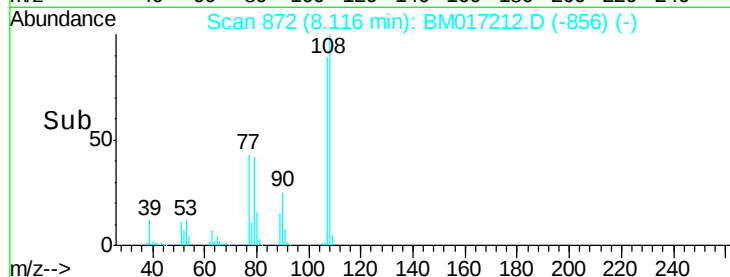
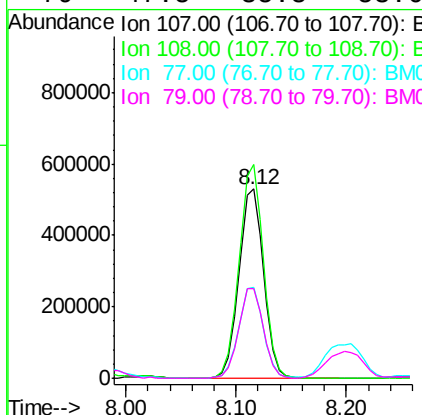
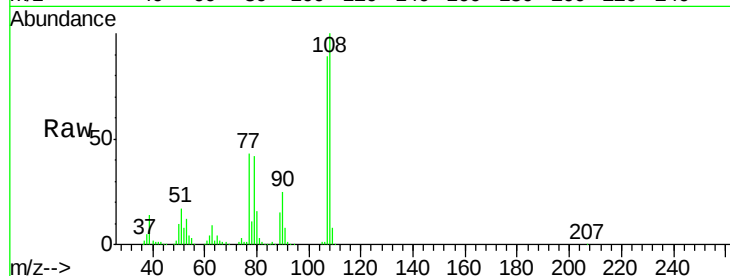
#17
2-Methylphenol
Concen: 40.243 ng
RT: 8.12 min Scan# 872
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:	107	Resp:	831247
Ion Ratio	Lower	Upper	
107	100		
108	112.8	90.3	135.5
77	48.3	37.0	55.4
79	47.5	35.8	53.6

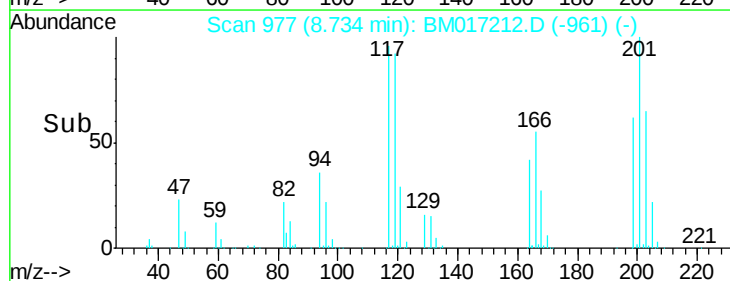
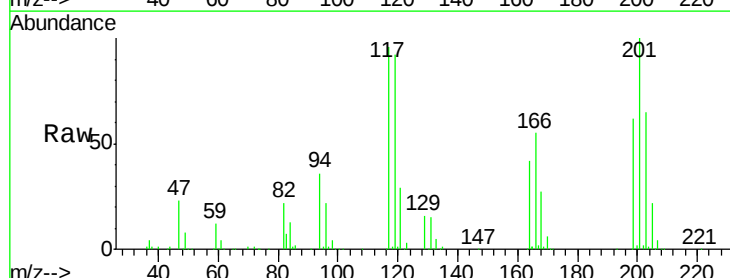
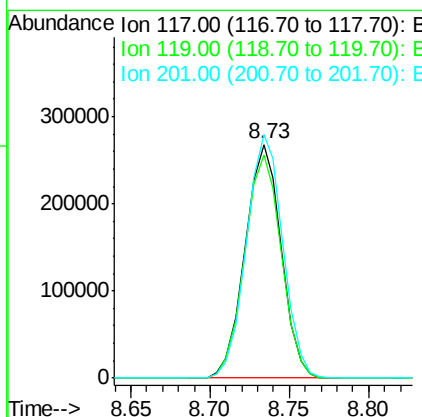
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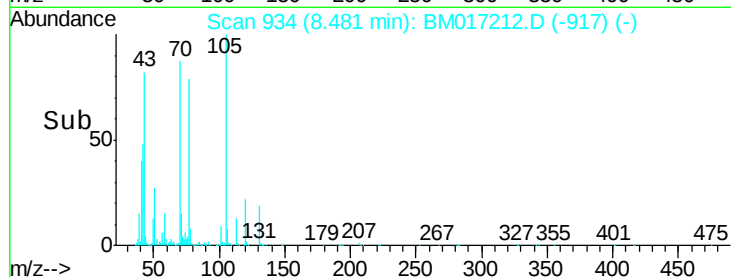
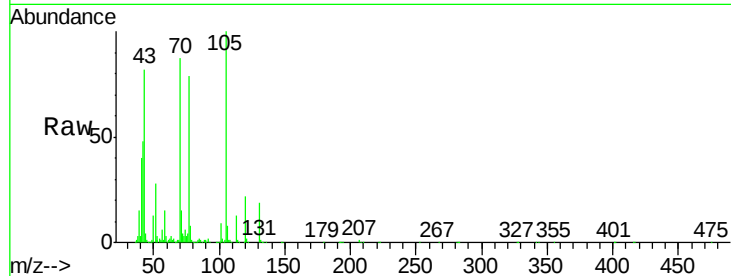
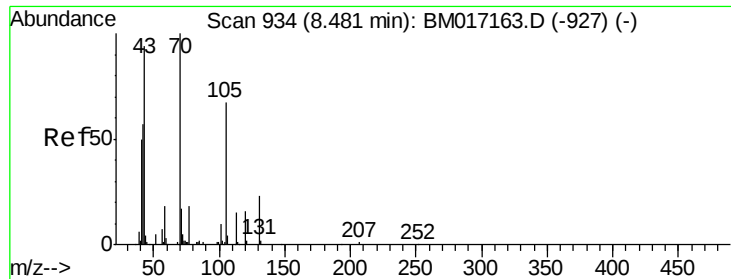
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#18
Hexachloroethane
Concen: 40.931 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:	117	Resp:	423732
Ion Ratio	Lower	Upper	
117	100		
119	95.7	78.2	117.2
201	104.3	85.3	127.9





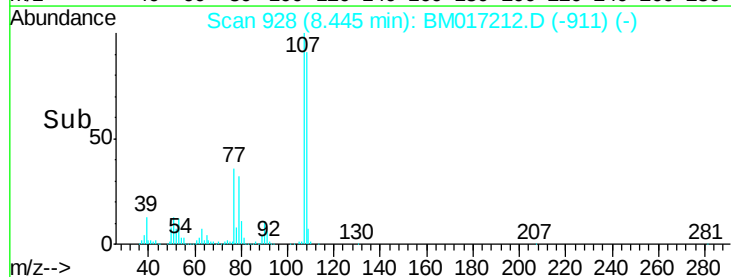
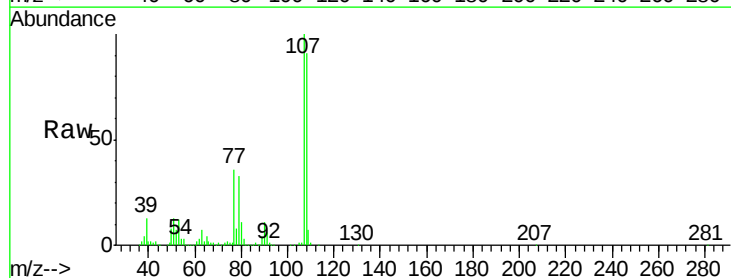
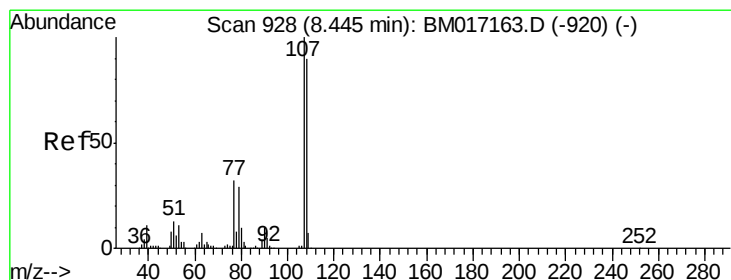
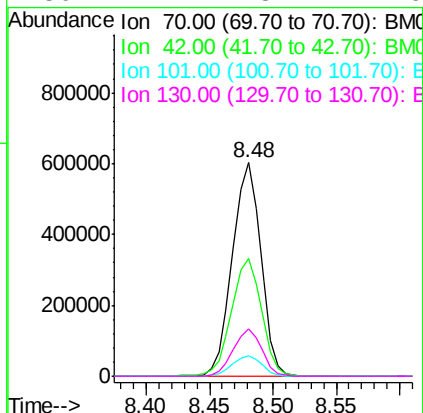
#19
n-Nitroso-di-n-propylamine
Concen: 47.674 ng
RT: 8.48 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.4	46.1	69.1	
101	9.8	8.2	12.4	
130	22.2	18.4	27.6	

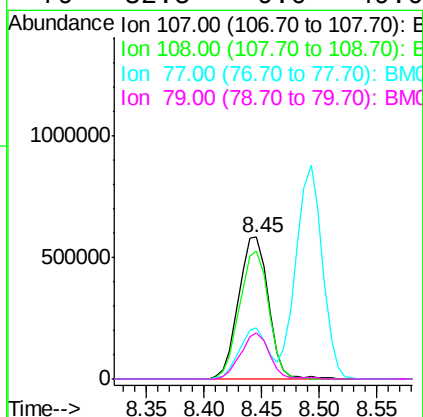
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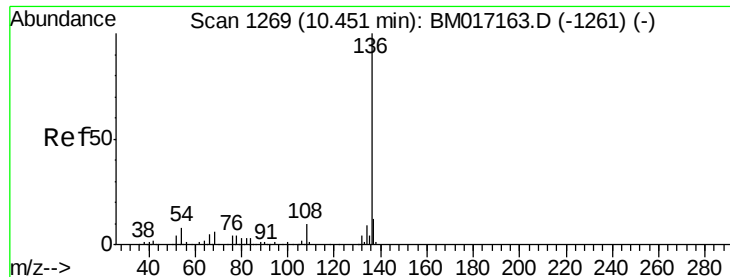
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#20
3+4-Methylphenols
Concen: 37.128 ng
RT: 8.45 min Scan# 928
Delta R.T. -0.00 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.7	69.9	109.9	
77	36.2	12.2	52.2	
79	32.5	9.0	49.0	





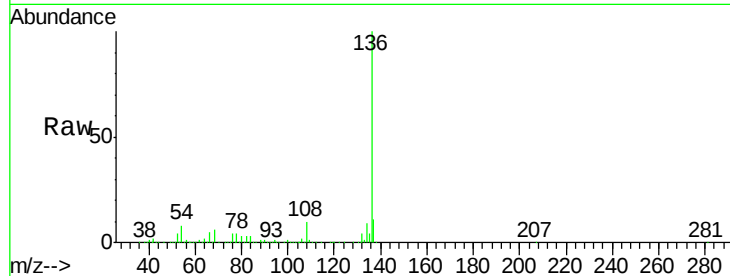
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

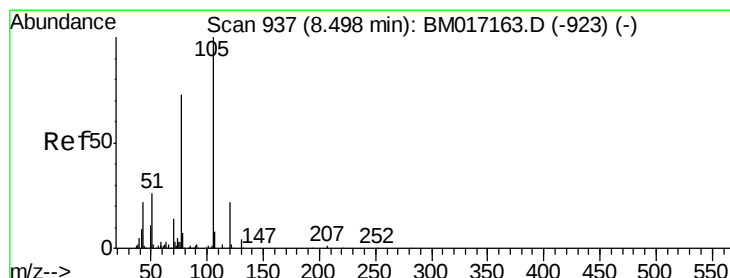
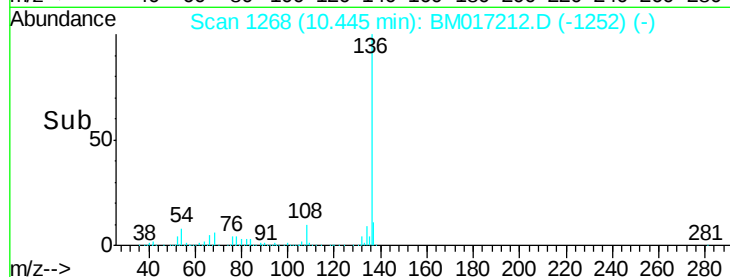
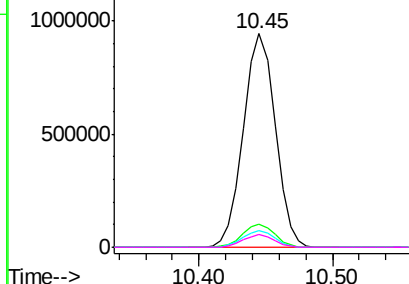
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.0	6.7	10.1
68	5.8	4.7	7.1

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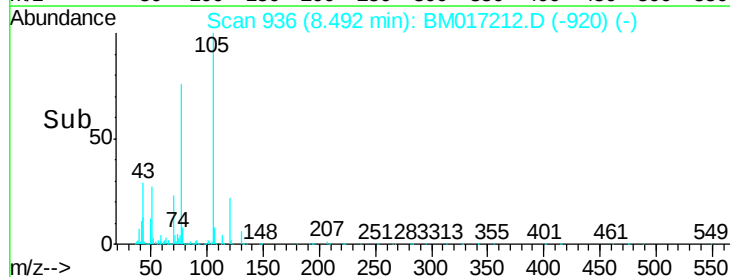
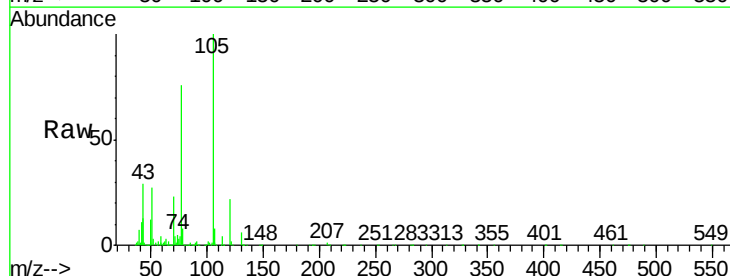
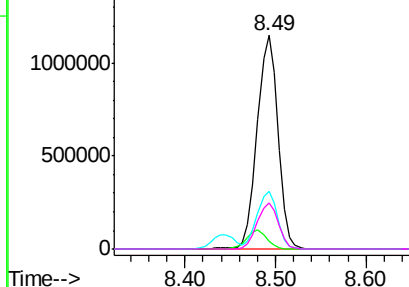
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

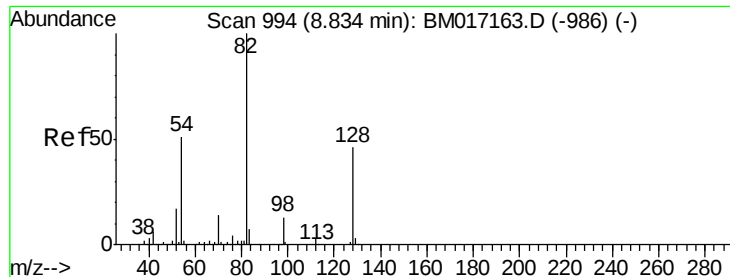


#22
Acetophenone
Concen: 46.538 ng
RT: 8.49 min Scan# 936
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.0	3.0#
51	26.8	20.6	31.0
120	21.8	17.5	26.3

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E





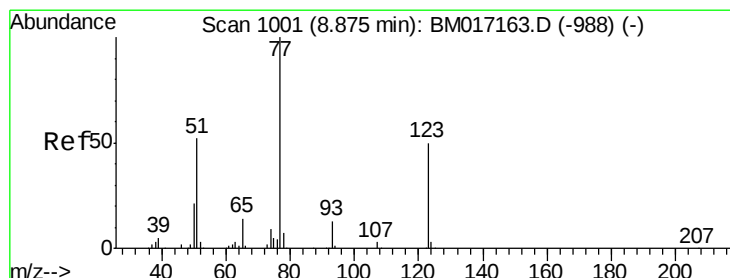
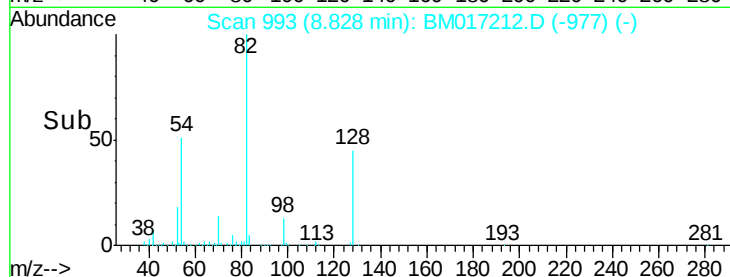
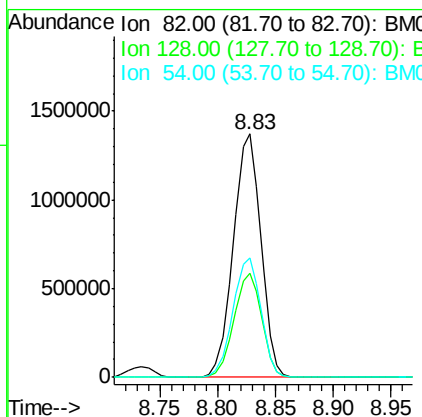
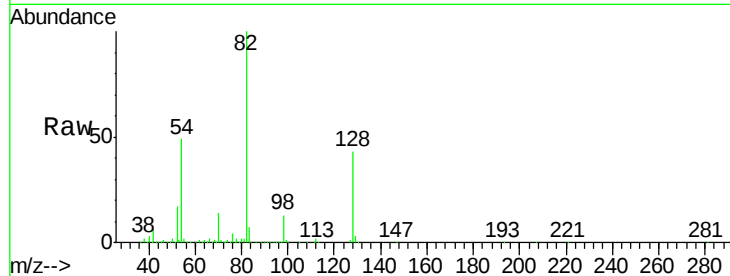
#23
 Nitrobenzene-d5
 Concen: 85.312 ng
 RT: 8.83 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 82 Resp: 2271612
 Ion Ratio Lower Upper
 82 100
 128 43.0 37.0 55.6
 54 49.2 40.7 61.1

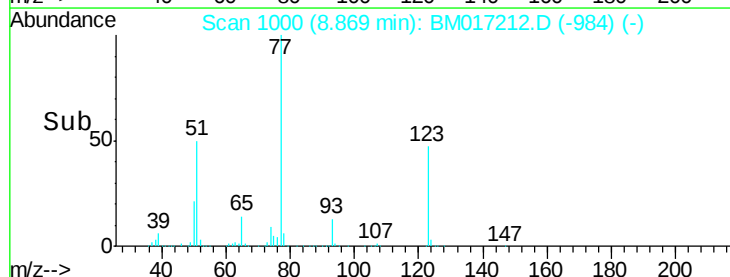
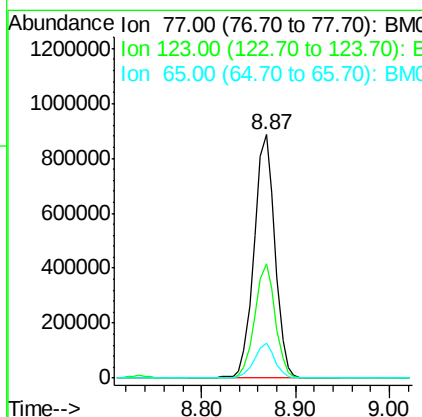
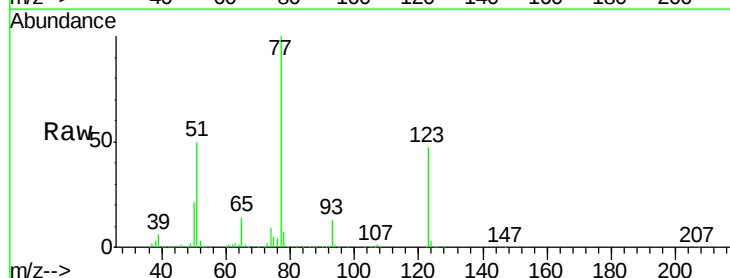
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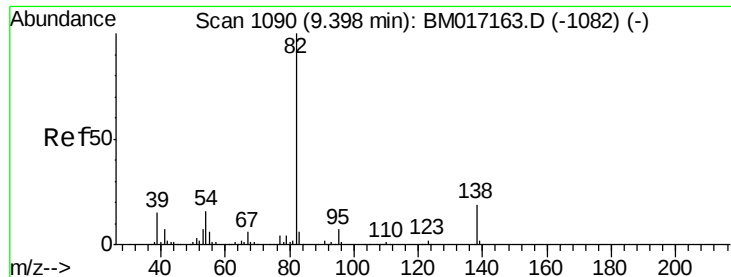
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#24
 Nitrobenzene
 Concen: 48.313 ng
 RT: 8.87 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion: 77 Resp: 1360748
 Ion Ratio Lower Upper
 77 100
 123 46.8 40.2 60.4
 65 14.2 11.4 17.0





#25

Isophorone

Concen: 56.431 ng

RT: 9.39 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

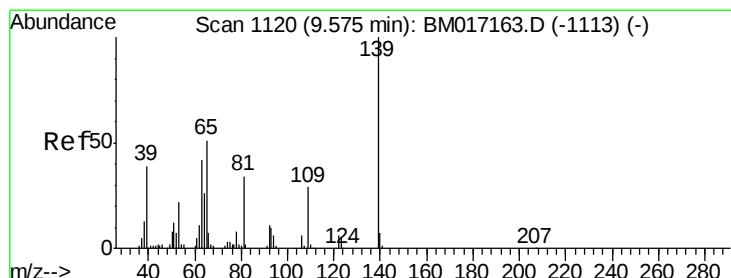
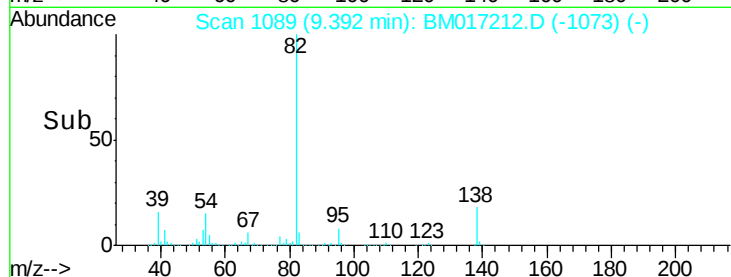
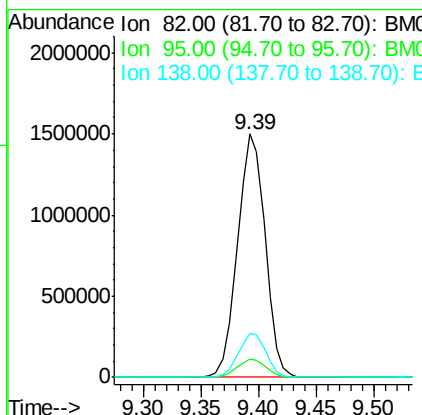
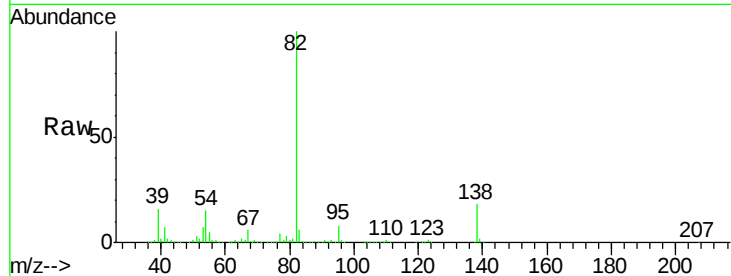
ClientSampleId :

RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.0	9.0
138	18.2	15.4	23.2

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#26

2-Nitrophenol

Concen: 49.064 ng

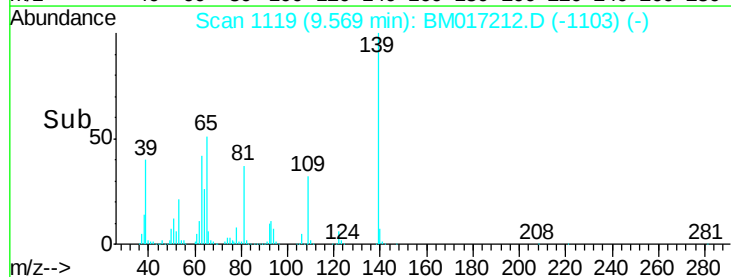
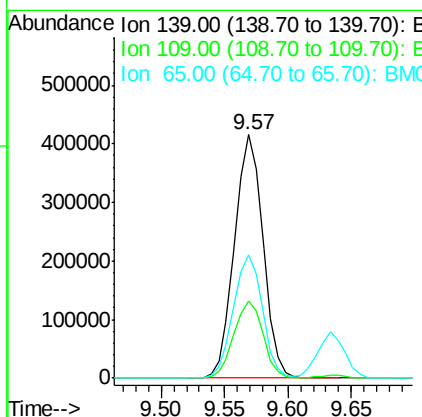
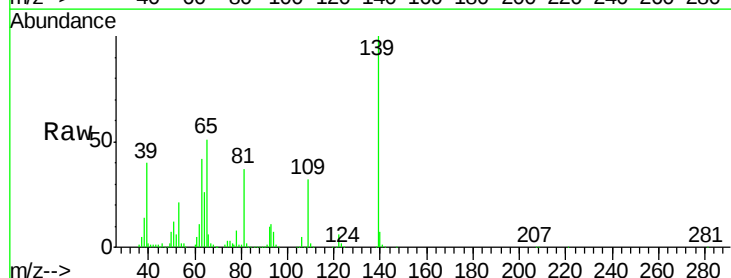
RT: 9.57 min Scan# 1119

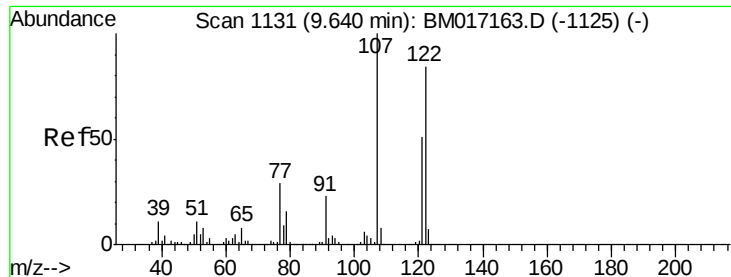
Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

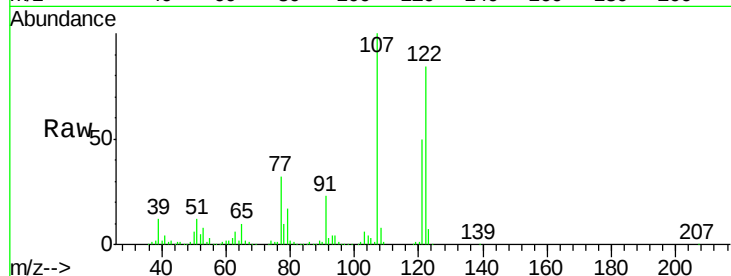
Tgt Ion	Ratio	Lower	Upper
139	100		
109	31.5	23.2	34.8
65	50.6	40.6	61.0





#27
2,4-Dimethylphenol
Concen: 54.414 ng
RT: 9.63 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

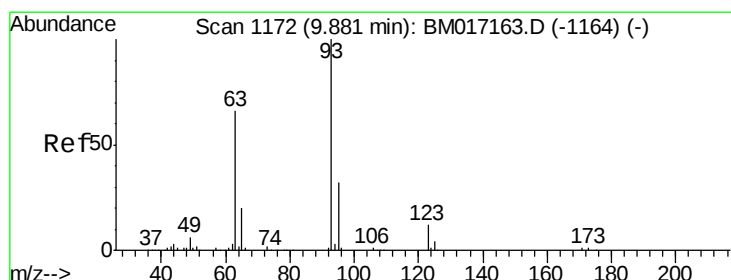
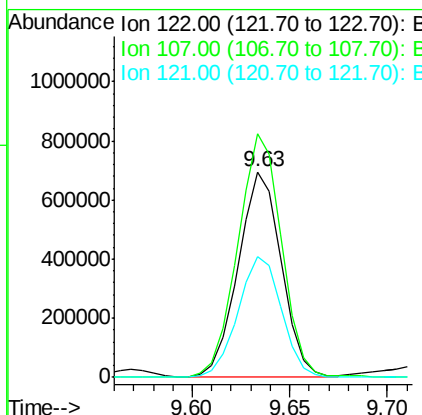
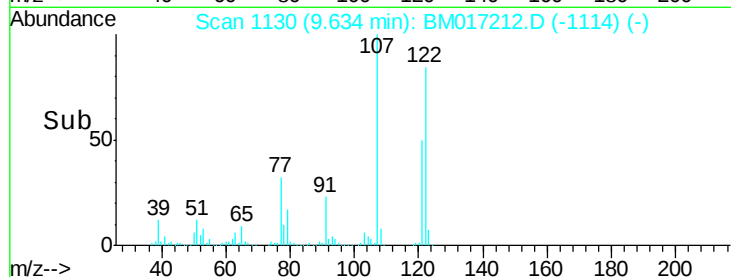
Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD



Tgt Ion: 122 Resp: 1057934
Ion Ratio Lower Upper
122 100
107 118.6 95.0 142.6
121 59.0 48.2 72.4

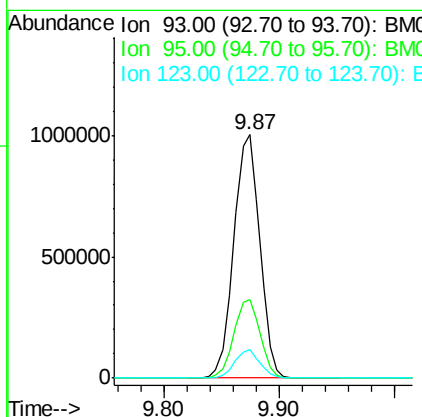
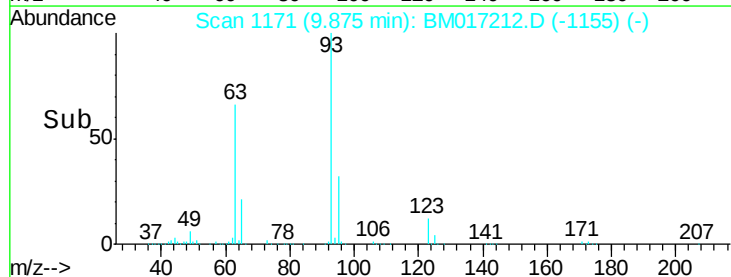
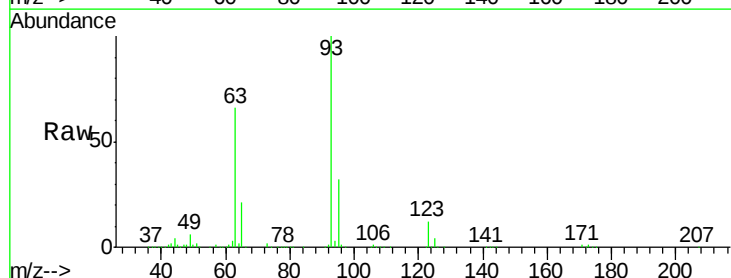
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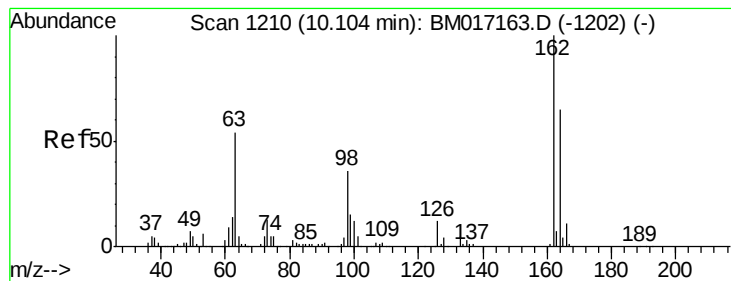
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#28
bis(2-Chloroethoxy)methane
Concen: 50.549 ng
RT: 9.87 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion: 93 Resp: 1564371
Ion Ratio Lower Upper
93 100
95 32.0 25.7 38.5
123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 50.260 ng

RT: 10.10 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:162 Resp: 1134557

Ion Ratio Lower Upper

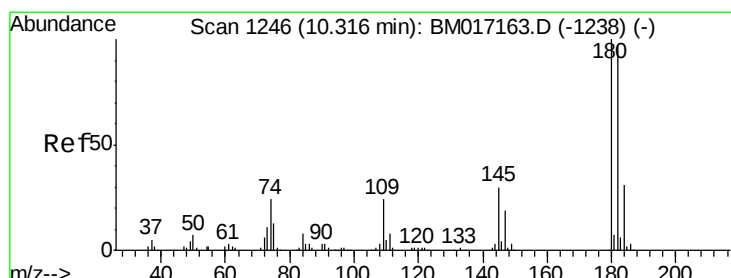
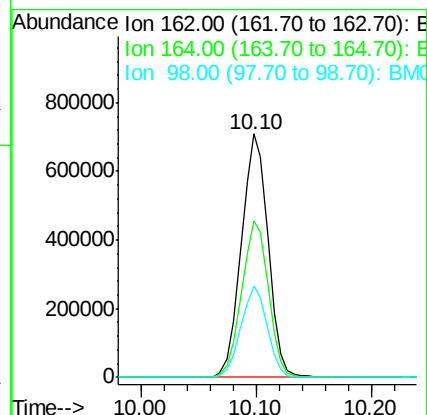
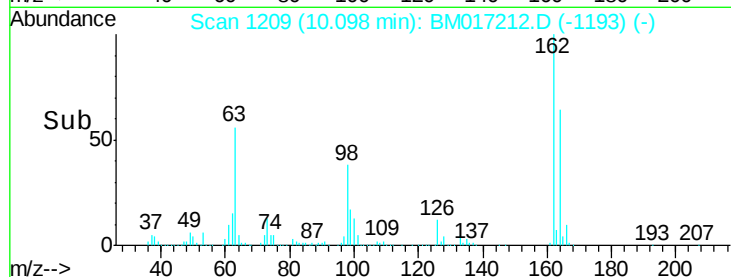
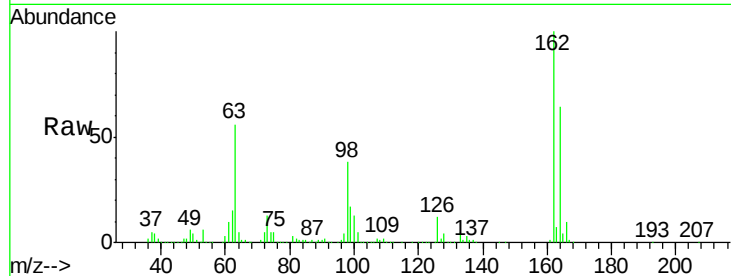
162 100

164 64.1 44.9 84.9

98 37.6 15.8 55.8

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 43.651 ng

RT: 10.31 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

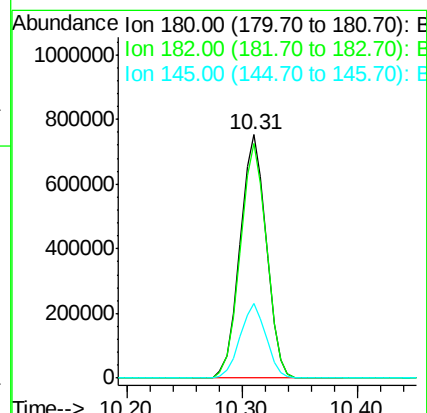
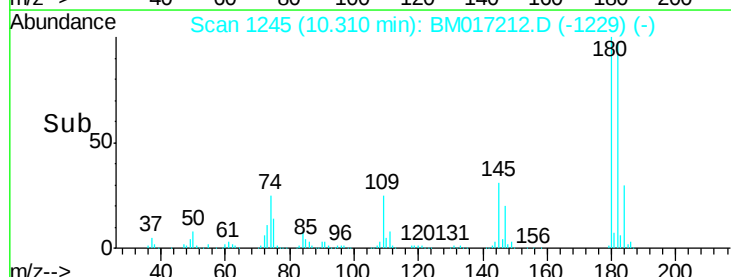
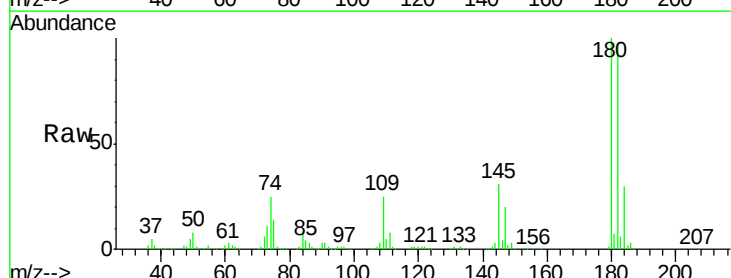
Tgt Ion:180 Resp: 1182070

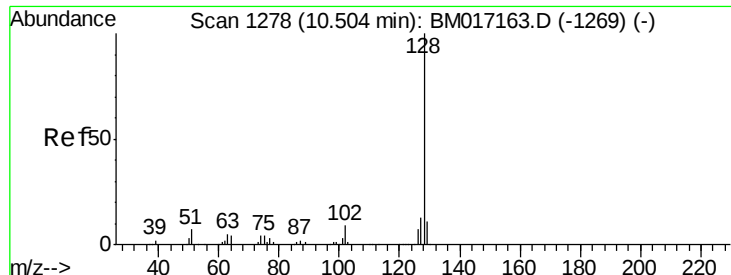
Ion Ratio Lower Upper

180 100

182 96.5 77.5 116.3

145 30.6 24.0 36.0





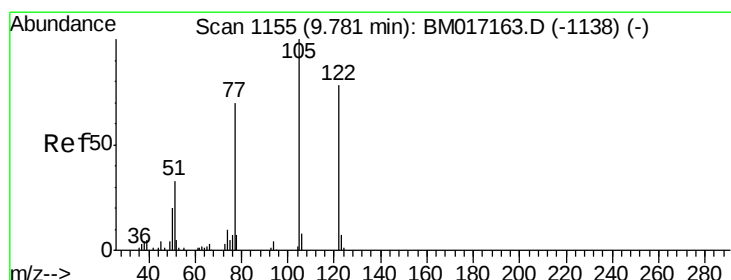
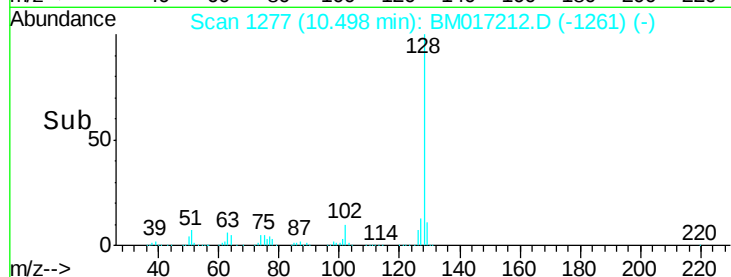
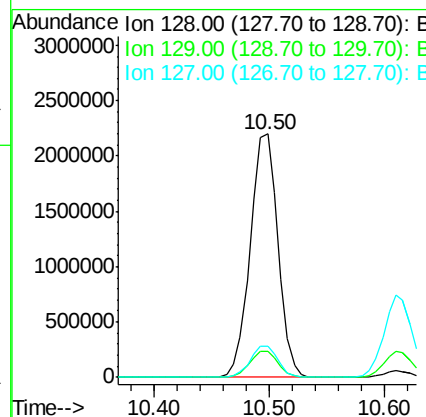
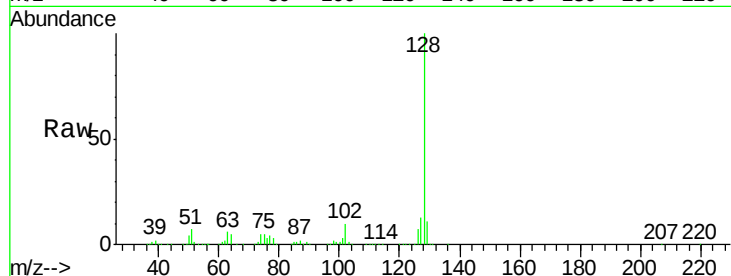
#31
Naphthalene
Concen: 48.071 ng
RT: 10.50 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:128 Resp: 3668672
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 12.9 10.3 15.5

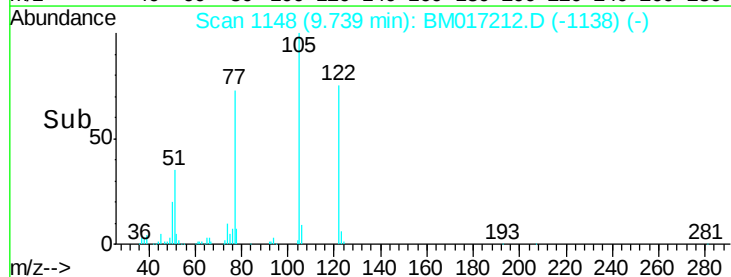
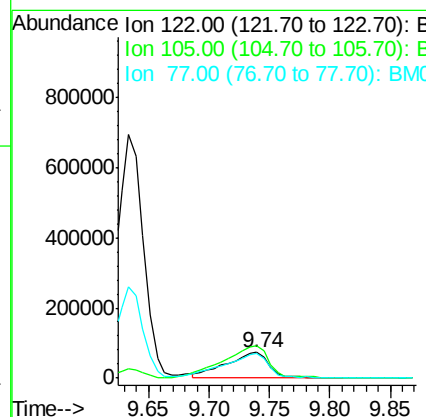
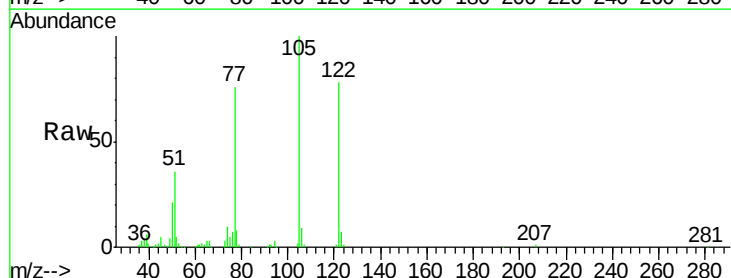
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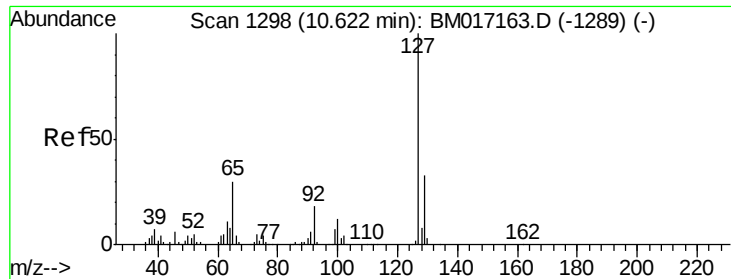
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#32
Benzoic acid
Concen: 12.086 ng
RT: 9.74 min Scan# 1148
Delta R.T. -0.04 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:122 Resp: 175327
Ion Ratio Lower Upper
122 100
105 127.5 102.0 142.0
77 97.5 67.7 107.7





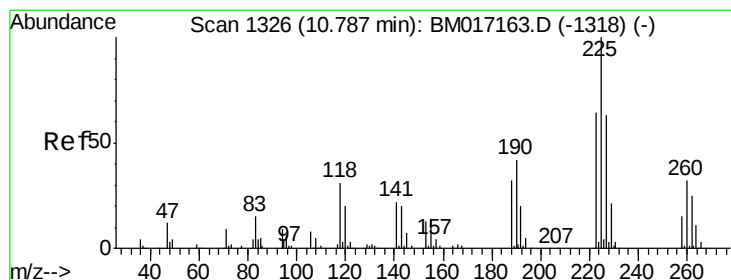
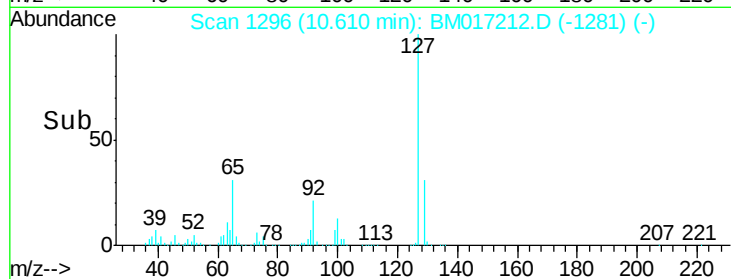
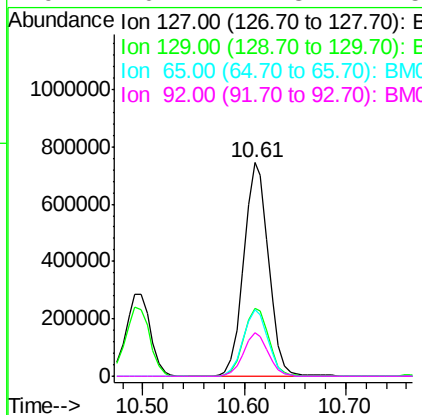
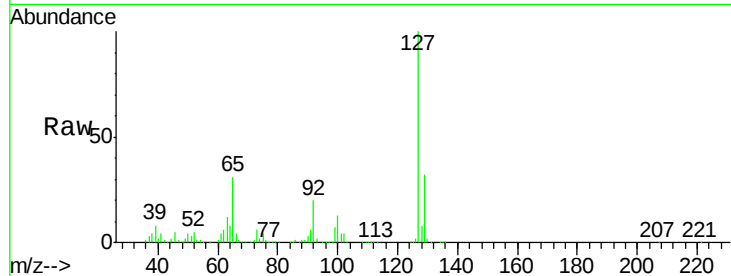
#33
4-Chloroaniline
Concen: 38.144 ng
RT: 10.61 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	31.0	23.7	35.5
92	20.4	14.3	21.5

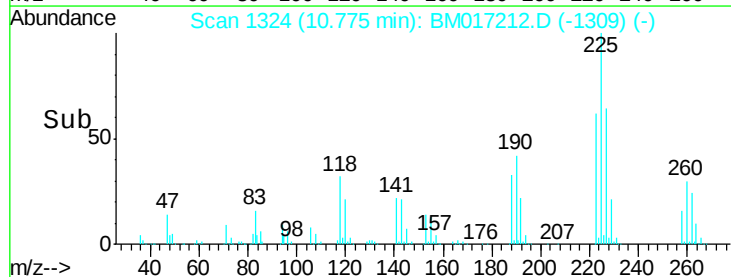
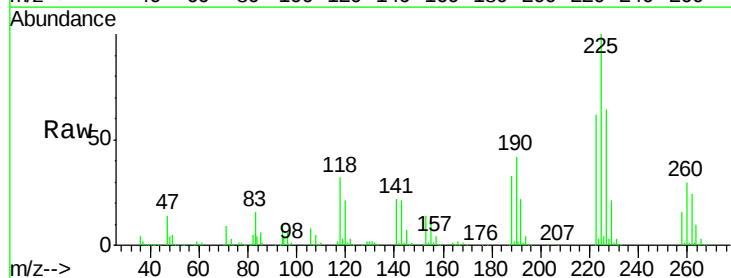
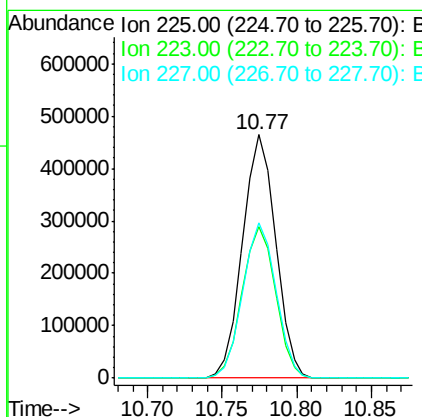
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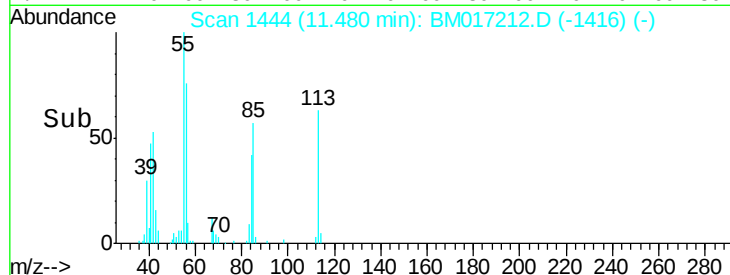
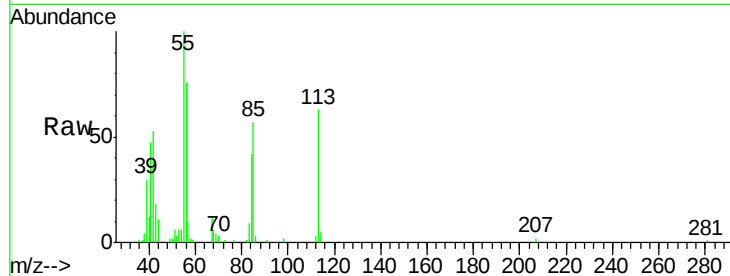
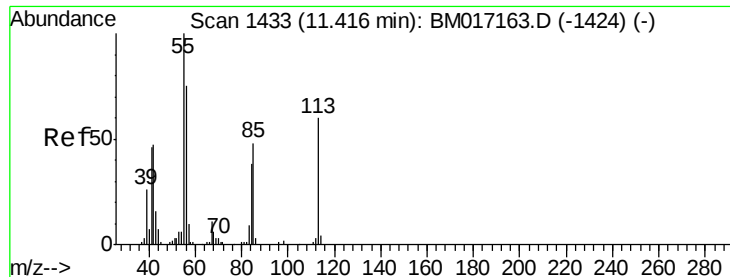
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#34
Hexachlorobutadiene
Concen: 41.728 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.0	76.6
227	63.9	50.8	76.2





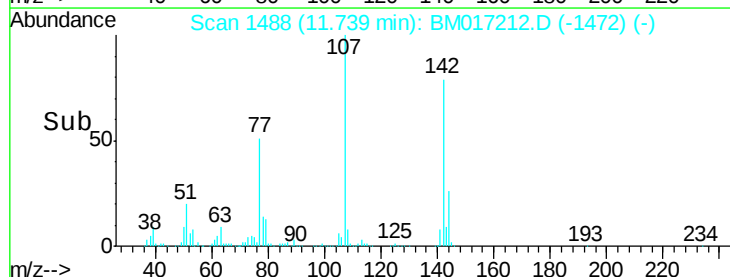
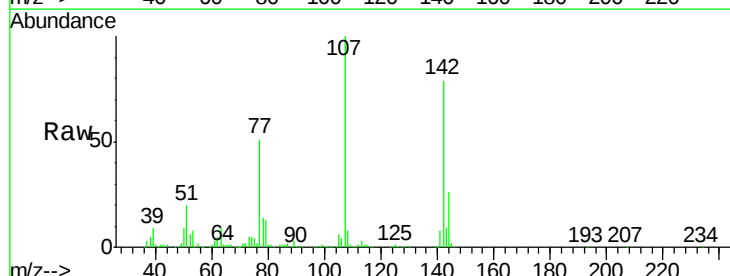
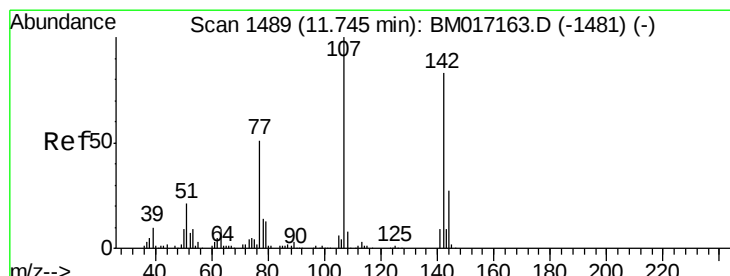
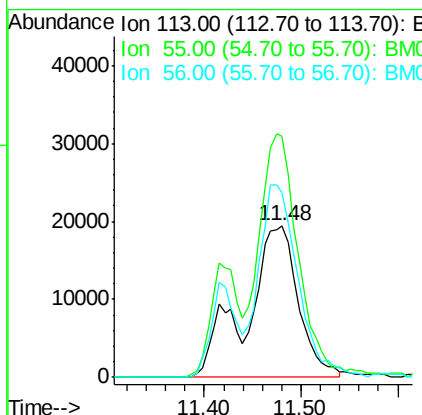
#35
Caprolactam
Concen: 8.845 ng m
RT: 11.48 min Scan# 1444
Delta R.T. 0.07 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion: 113 Resp: 72768
Ion Ratio Lower Upper
113 100
55 159.0 147.0 187.0
56 121.3 104.5 144.5

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

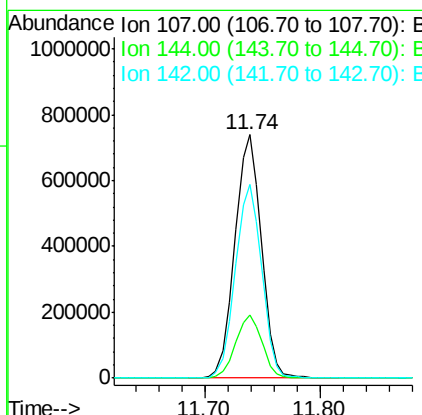
Manual Integrations
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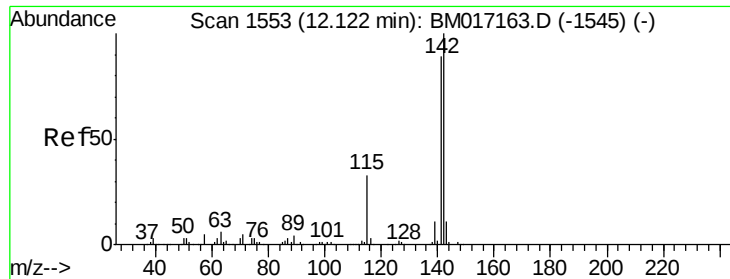
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#36
4-Chloro-3-methylphenol
Concen: 46.296 ng
RT: 11.74 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion: 107 Resp: 1178027
Ion Ratio Lower Upper
107 100
144 25.8 21.6 32.4
142 79.4 66.0 99.0





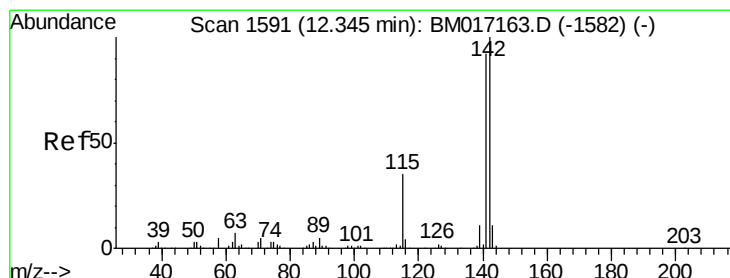
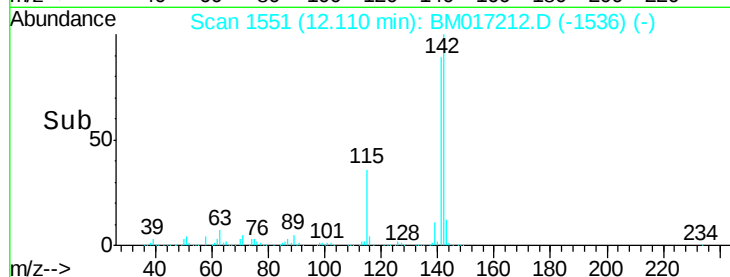
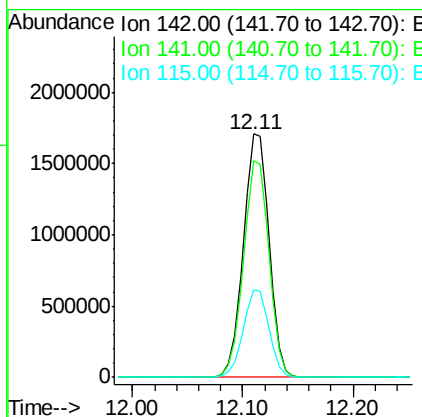
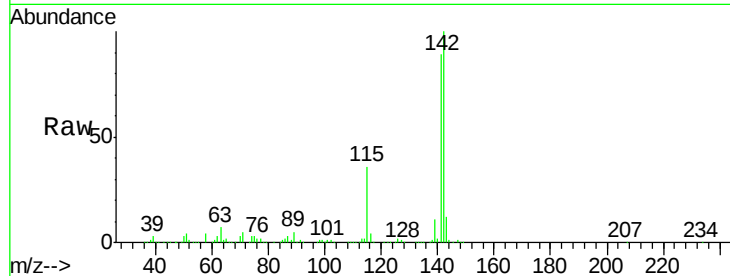
#37
2-Methylnaphthalene
Concen: 53.591 ng
RT: 12.11 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:142 Resp: 2798748
Ion Ratio Lower Upper
142 100
141 89.2 70.9 106.3
115 35.9 26.4 39.6

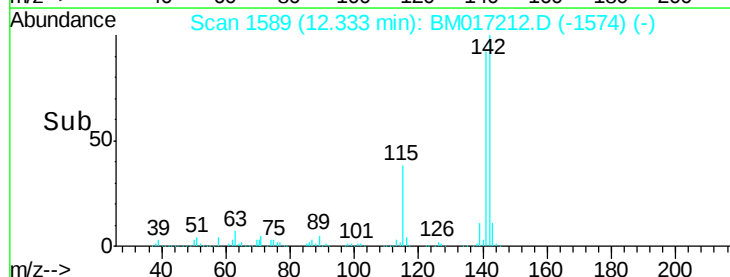
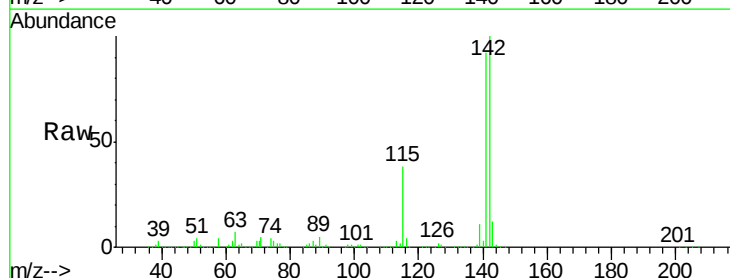
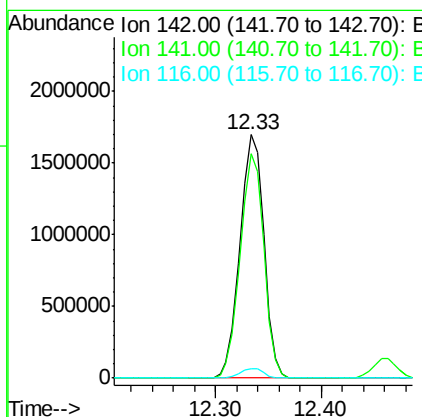
Manual Integrations
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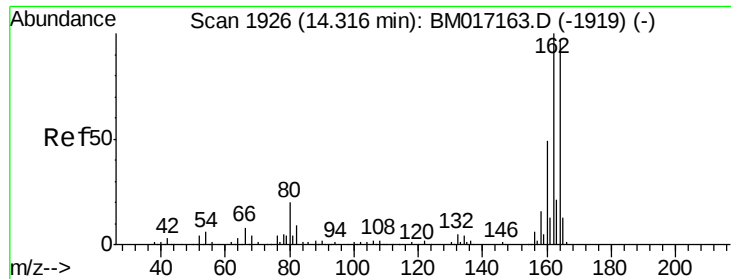
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#38
1-Methylnaphthalene
Concen: 52.290 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:142 Resp: 2657856
Ion Ratio Lower Upper
142 100
141 92.1 73.8 110.6
116 3.8 2.9 4.3





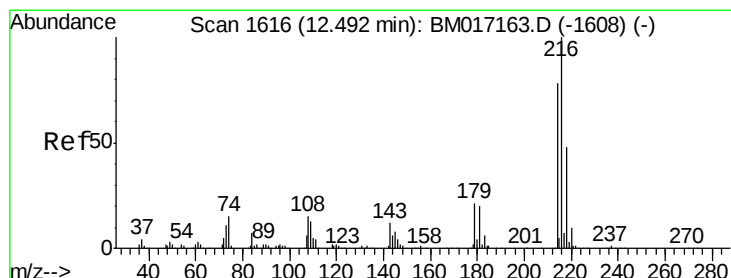
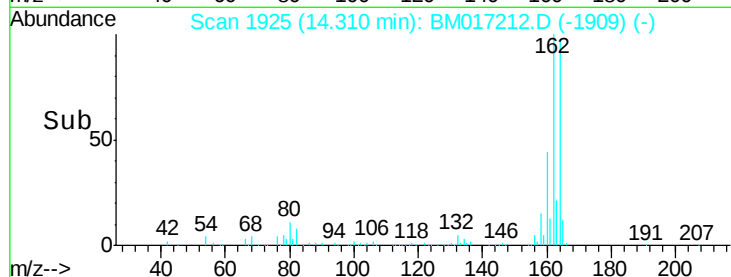
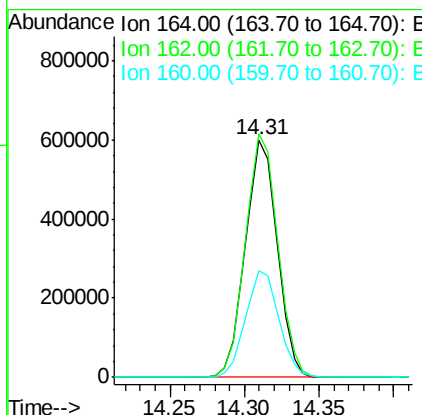
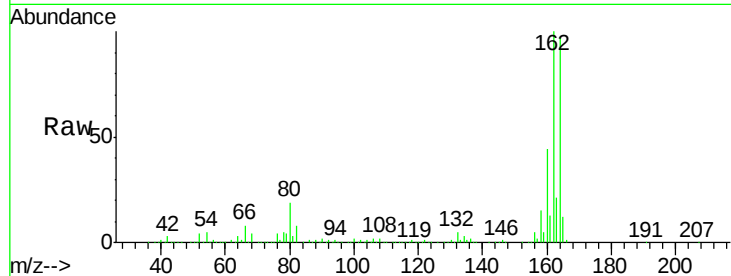
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	885007		
162	102.6	82.1	123.1	
160	45.0	40.2	60.2	

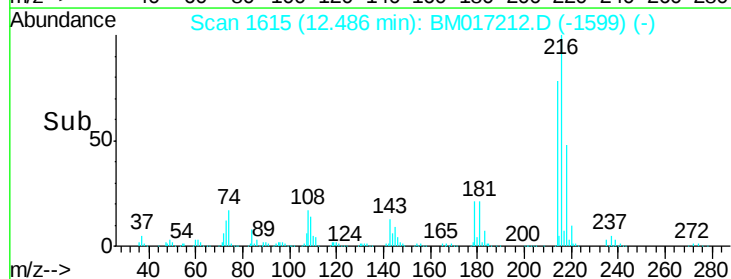
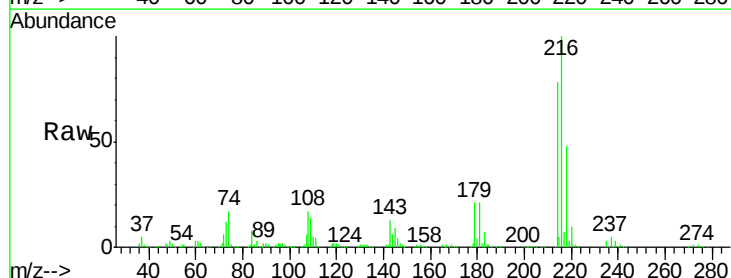
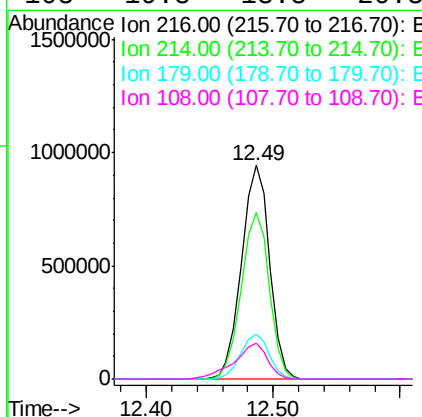
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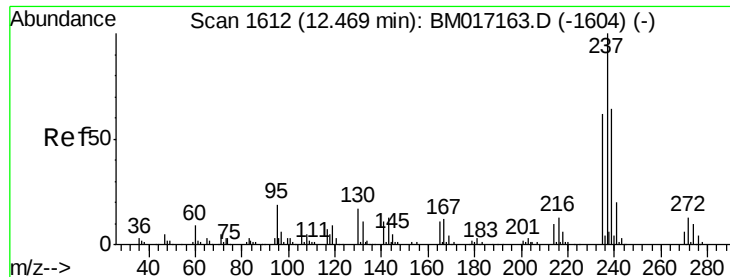
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.429 ng
RT: 12.49 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	1447058		
214	77.9	62.6	93.8	
179	21.1	16.6	24.8	
108	19.8	13.5	20.3	





#41

Hexachlorocyclopentadiene

Concen: 126.049 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

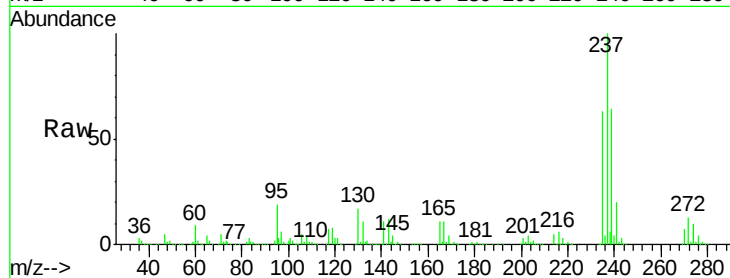
ClientSampleId :

RLF-SW-5MSD

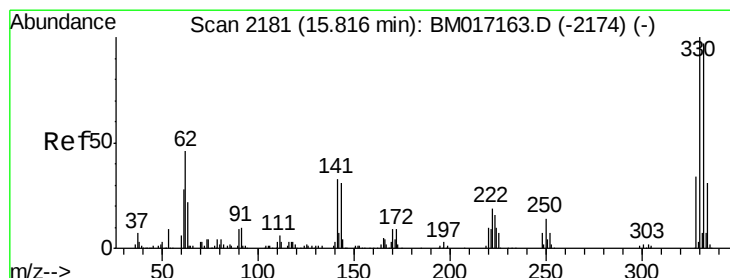
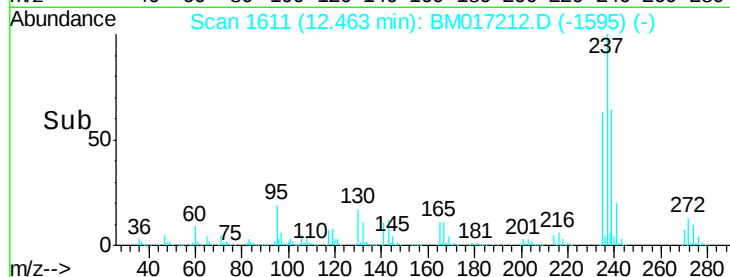
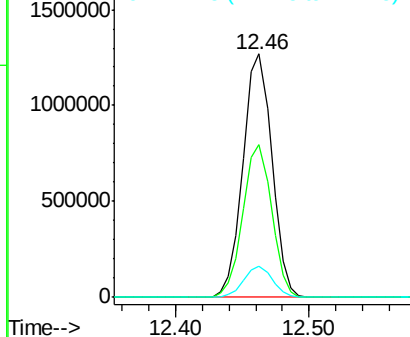
Tgt Ion:	237	Resp:	1899197
Ion Ratio		Lower	Upper
237	100		
235	62.8	42.4	82.4
272	12.7	0.0	33.0

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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: 116.610 ng

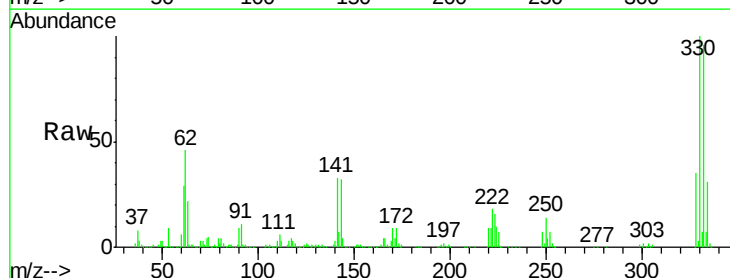
RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

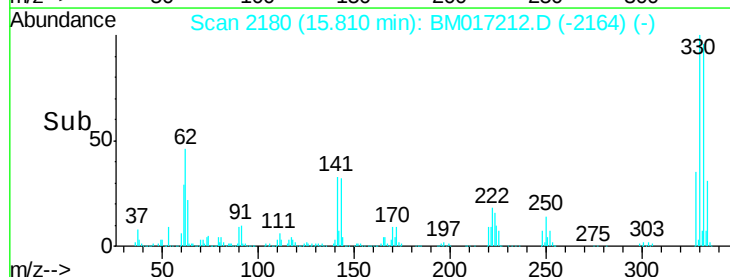
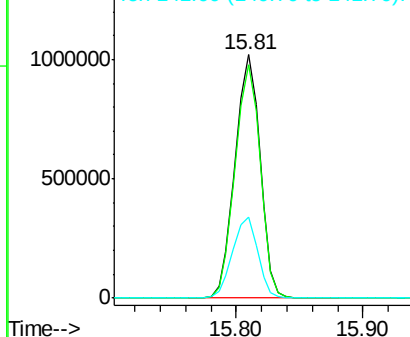
Lab File: BM017212.D

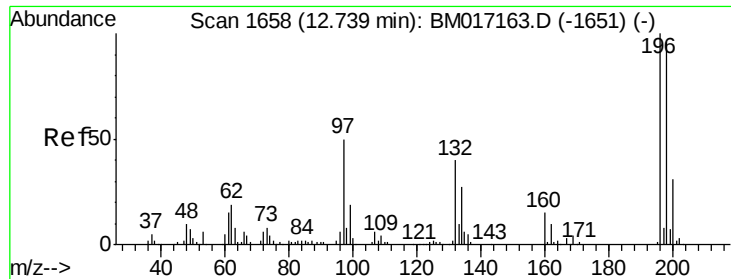
Acq: 19 Oct 2018 02:45

Tgt Ion:	330	Resp:	1395636
Ion Ratio		Lower	Upper
330	100		
332	96.3	77.3	115.9
141	33.5	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





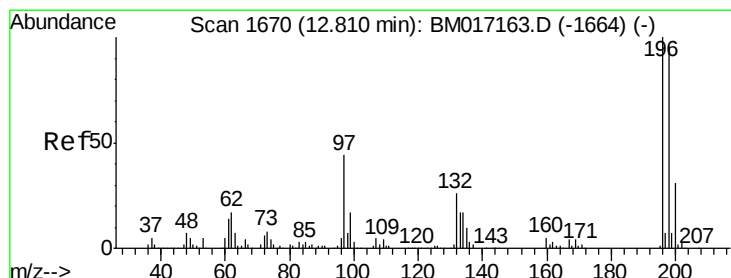
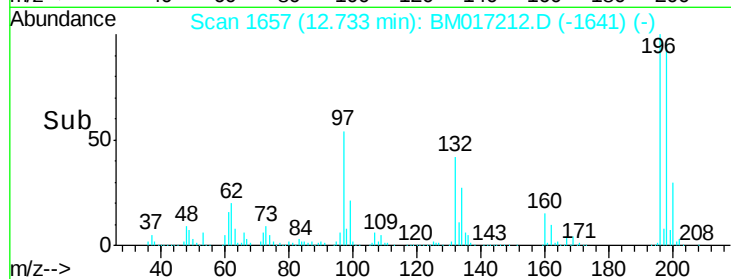
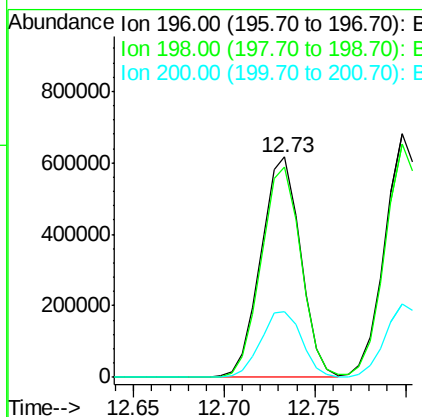
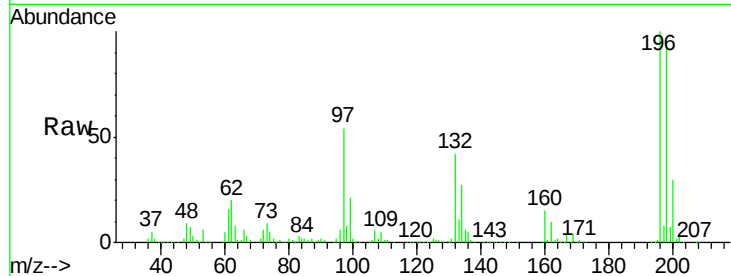
#43
 2,4,6-Trichlorophenol
 Concen: 52.067 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	942030		
198	95.6	77.1	115.7	
200	29.9	25.0	37.4	

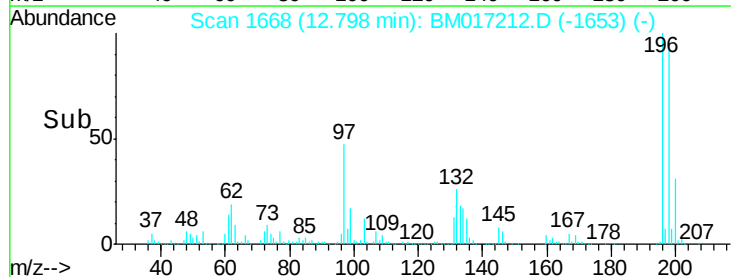
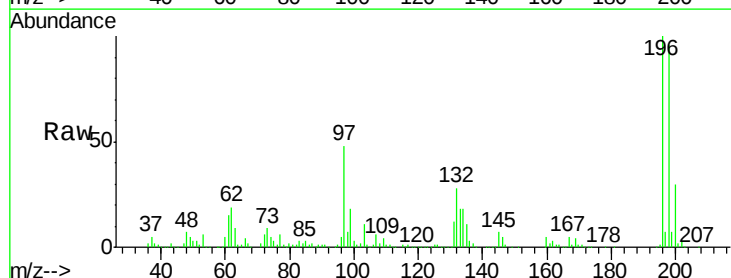
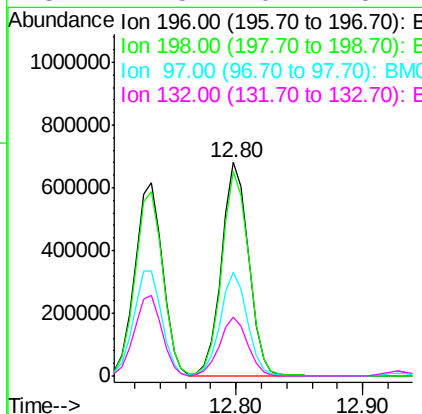
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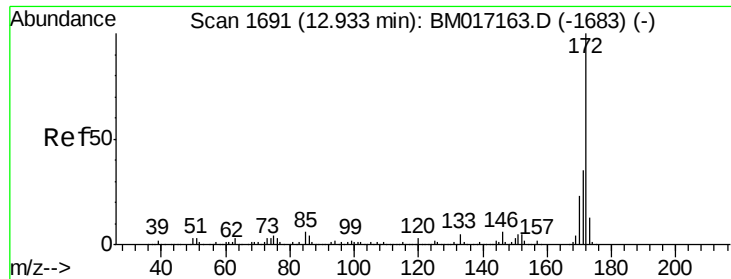
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#44
 2,4,5-Trichlorophenol
 Concen: 51.726 ng
 RT: 12.80 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	1003537		
198	95.7	76.6	115.0	
97	48.4	35.5	53.3	
132	27.8	20.7	31.1	





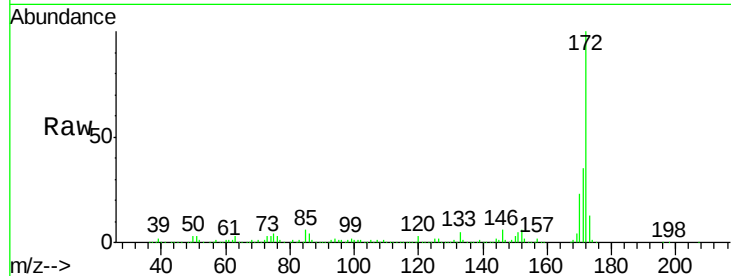
#45
 2-Fluorobiphenyl
 Concen: 77.693 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

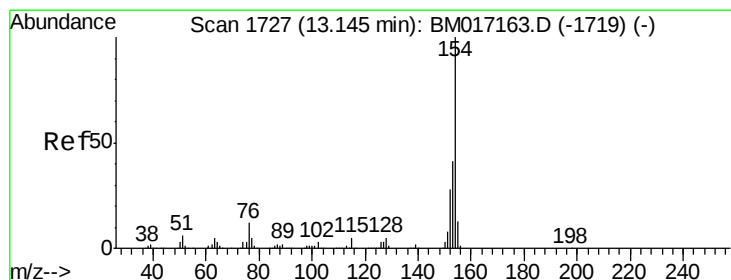
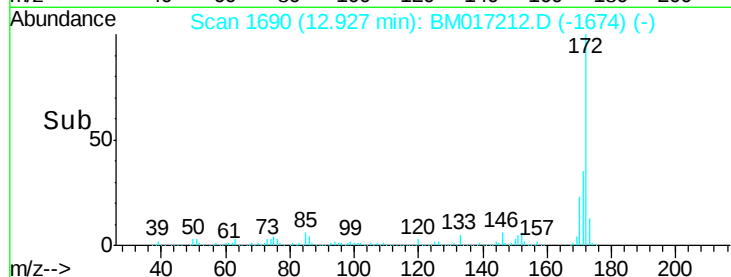
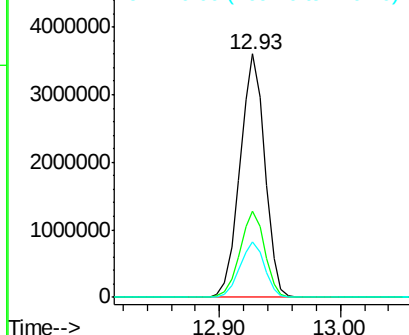
Tgt Ion:172 Resp: 5167756
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 23.0 18.3 27.5

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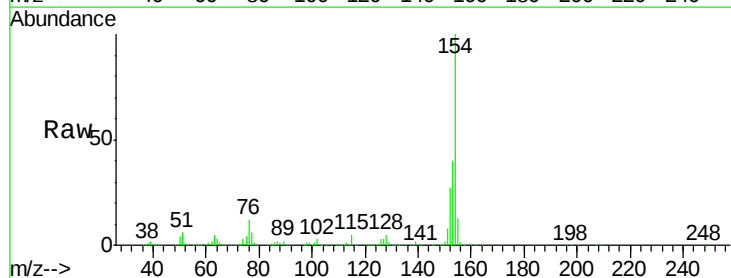


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

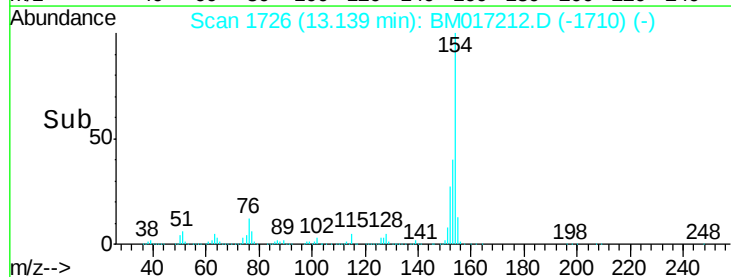
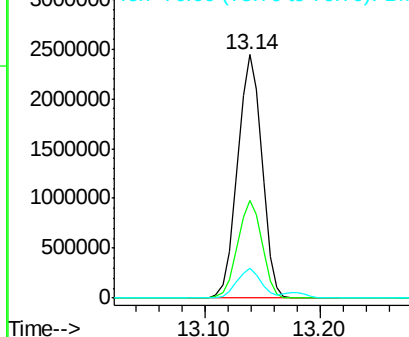


#46
 1,1'-Biphenyl
 Concen: 44.540 ng
 RT: 13.14 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion:154 Resp: 3547270
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.5 60.5
 76 12.0 0.0 31.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM





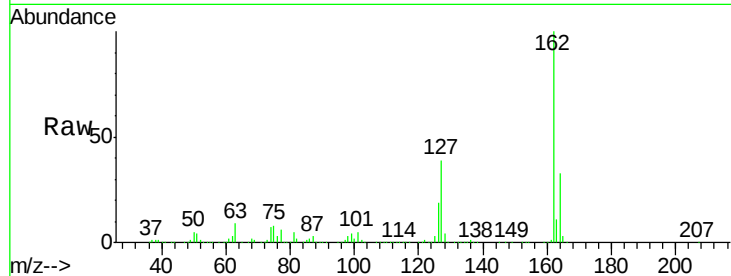
#47
2-Chloronaphthalene
Concen: 46.818 ng
RT: 13.18 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

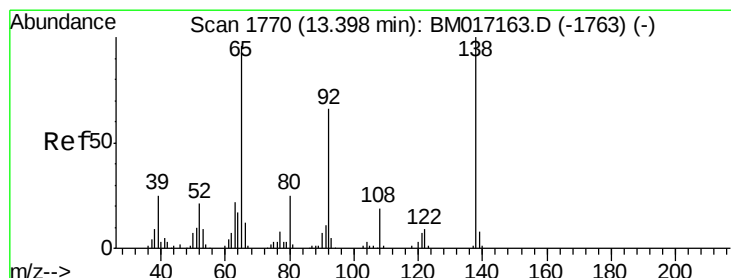
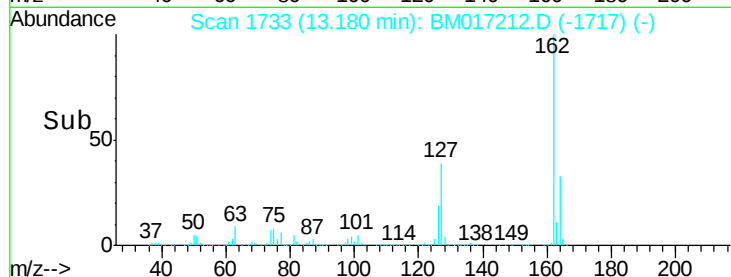
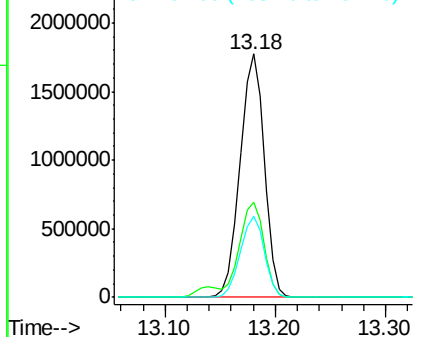
Tgt Ion: 162 Resp: 2743029
Ion Ratio Lower Upper
162 100
127 39.2 31.0 46.4
164 33.4 26.6 39.8

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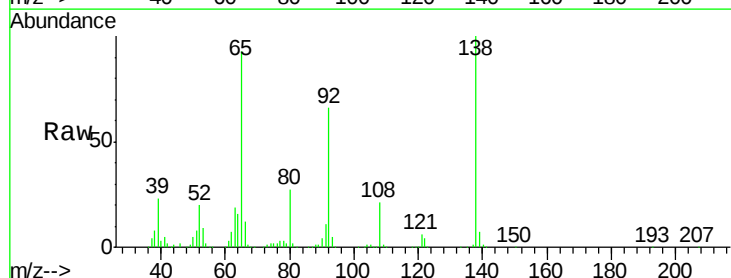


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

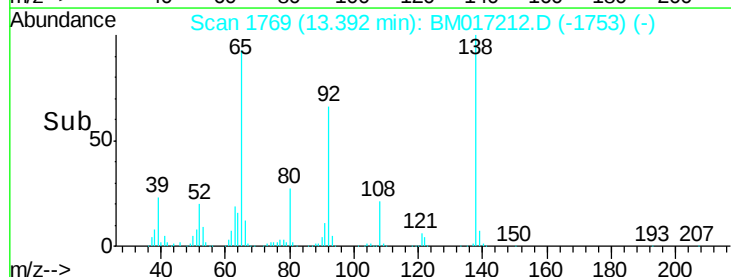
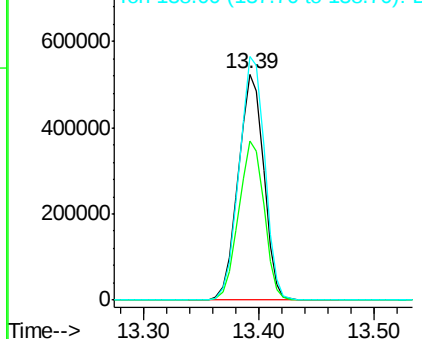


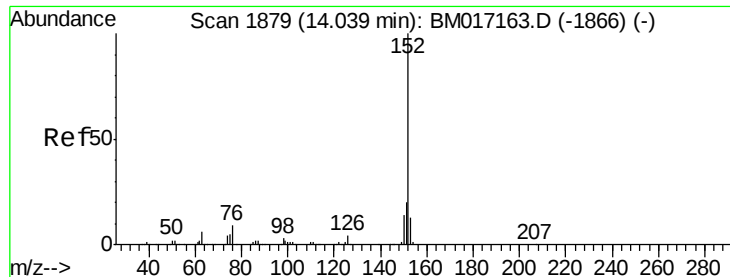
#48
2-Nitroaniline
Concen: 48.568 ng
RT: 13.39 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion: 65 Resp: 805187
Ion Ratio Lower Upper
65 100
92 70.6 54.9 82.3
138 107.6 83.7 125.5



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





#49

Acenaphthylene

Concen: 52.062 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:152 Resp: 4421386

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

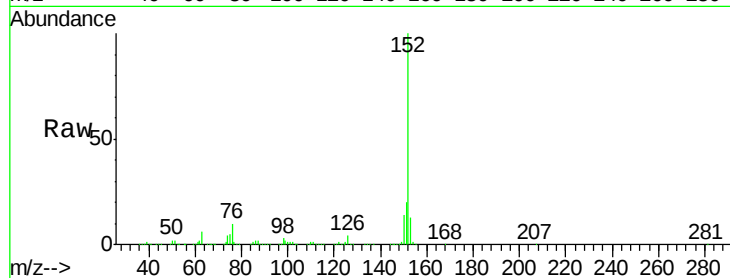
153 12.9 10.4 15.6

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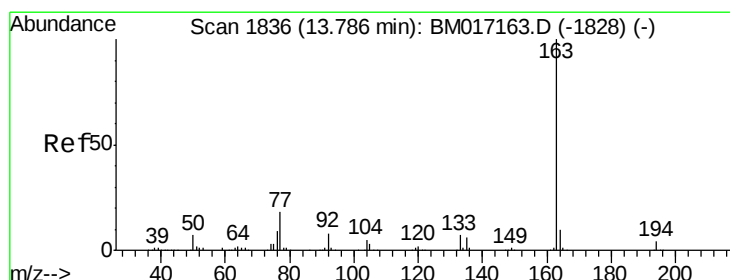
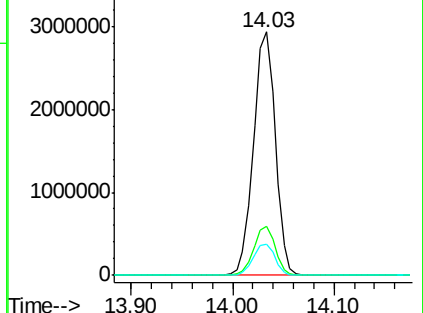
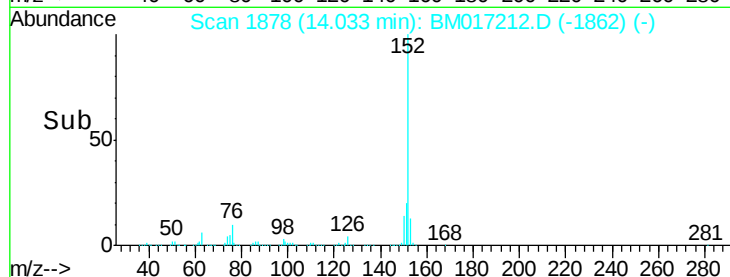
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 51.420 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

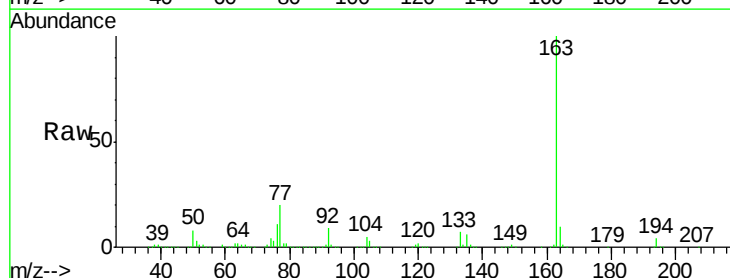
Tgt Ion:163 Resp: 3510914

Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

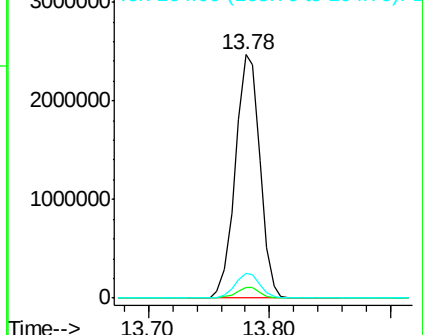
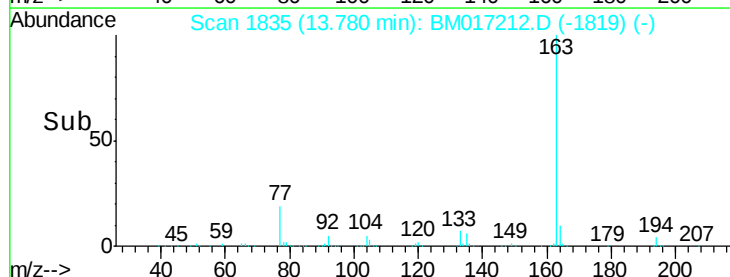
164 10.2 7.8 11.8

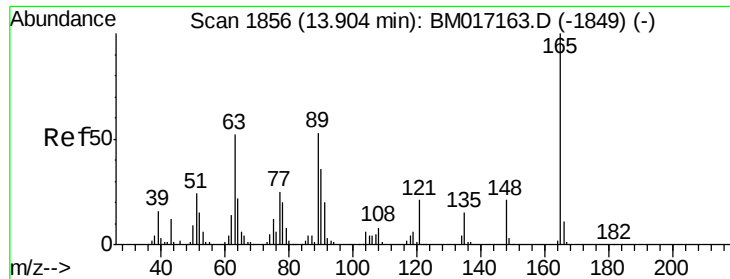


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





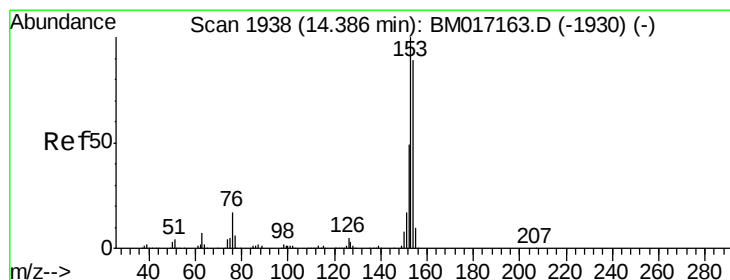
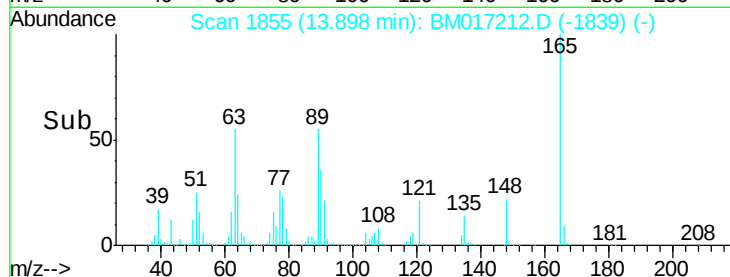
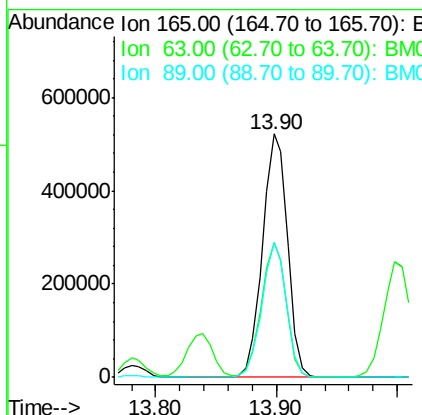
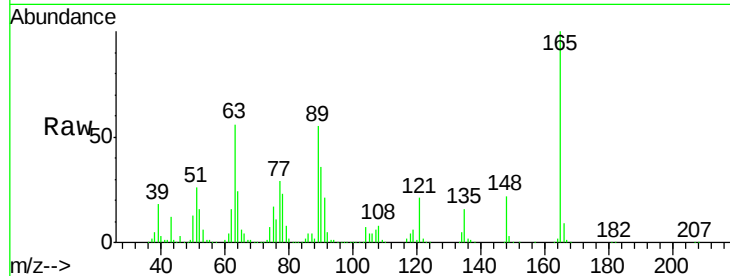
#51
 2,6-Dinitrotoluene
 Concen: 50.076 ng
 RT: 13.90 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	752542		
63	55.6	42.7	64.1	
89	55.4	42.1	63.1	

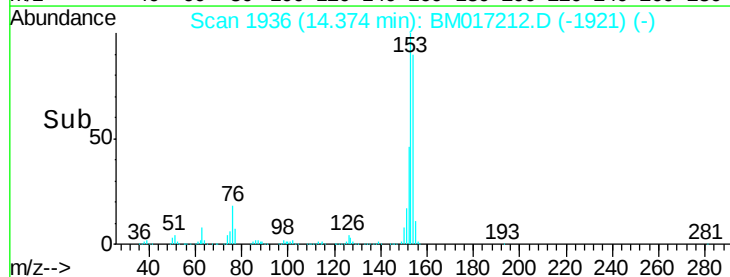
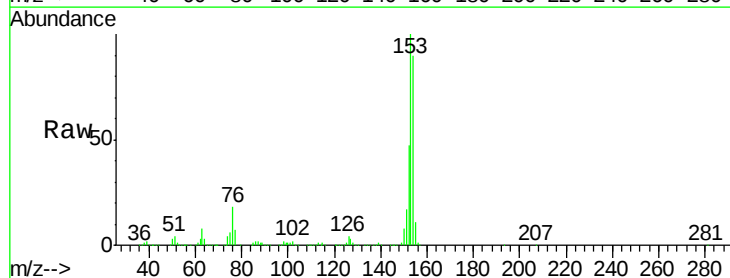
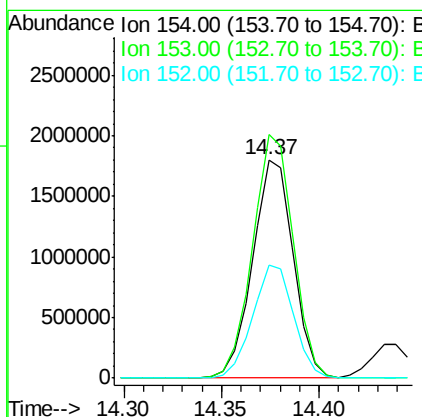
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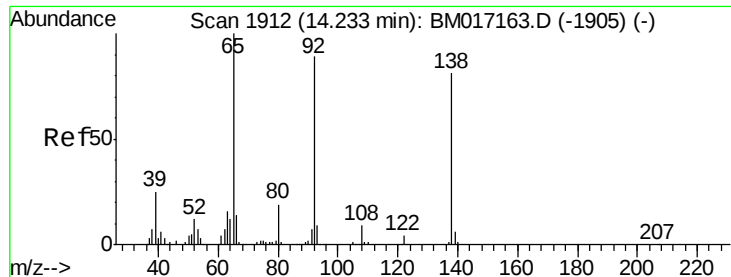
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#52
 Acenaphthene
 Concen: 48.709 ng
 RT: 14.37 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2597307		
153	111.6	90.2	135.2	
152	51.9	44.2	66.4	





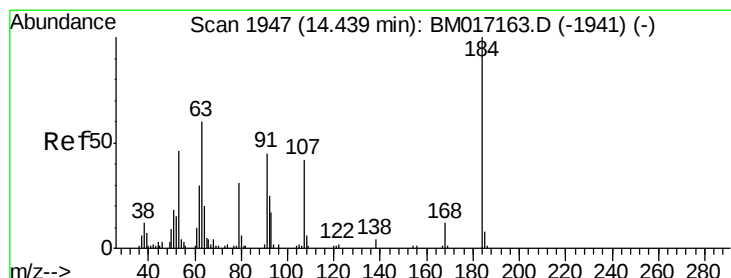
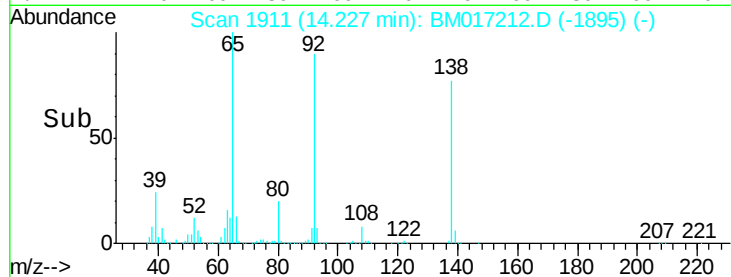
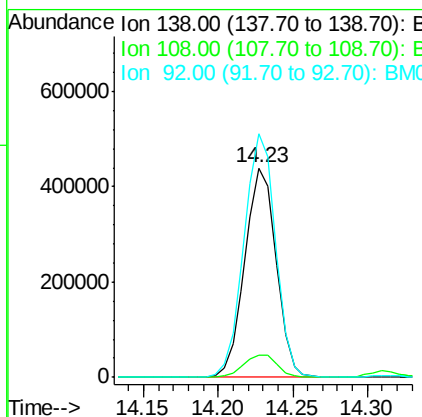
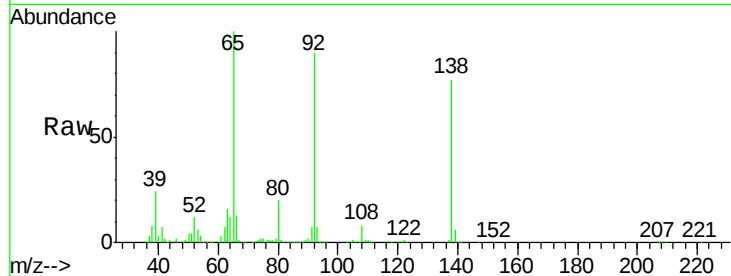
#53
3-Nitroaniline
Concen: 39.261 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	639011		
108	10.8	8.7	13.1	
92	116.3	87.9	131.9	

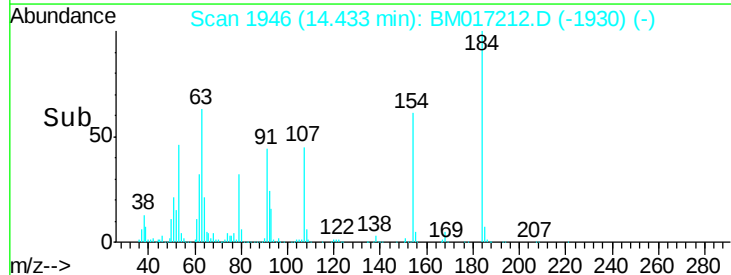
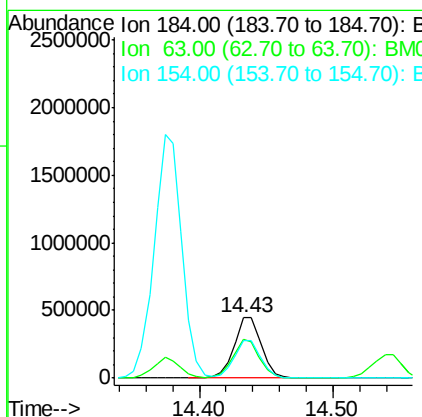
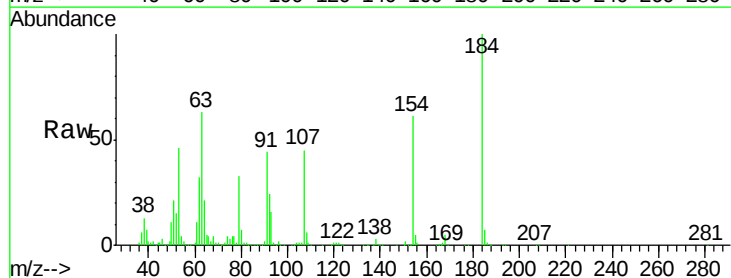
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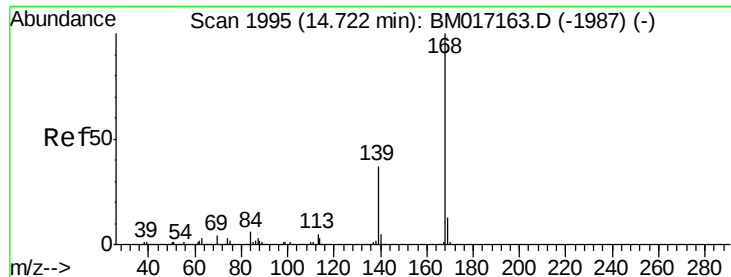
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#54
2,4-Dinitrophenol
Concen: 73.180 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	638274		
63	63.2	51.2	76.8	
154	61.4	47.8	71.8	





#55

Dibenzofuran

Concen: 46.420 ng

RT: 14.72 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:168 Resp: 4116196

Ion Ratio Lower Upper

168 100

139 38.1 29.3 43.9

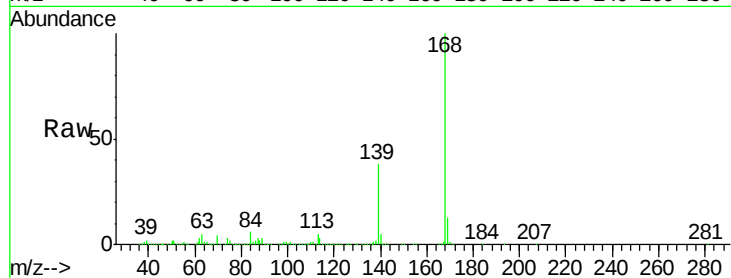
169 13.2 10.6 15.8

Manual Integrations

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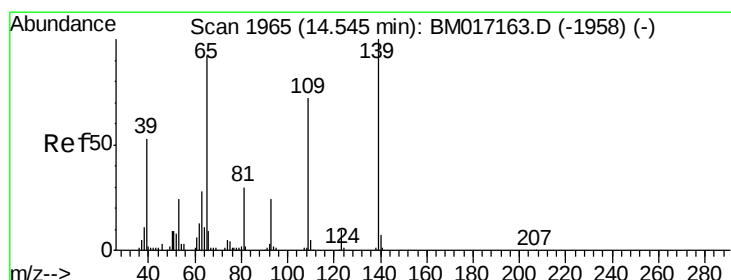
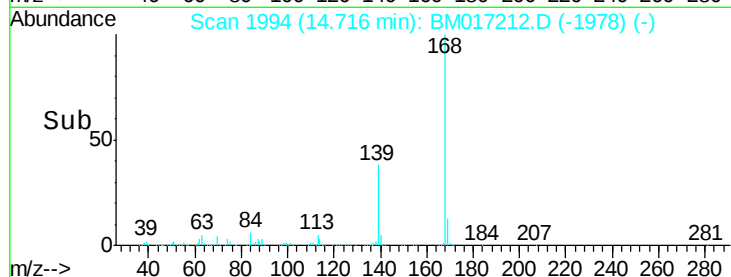
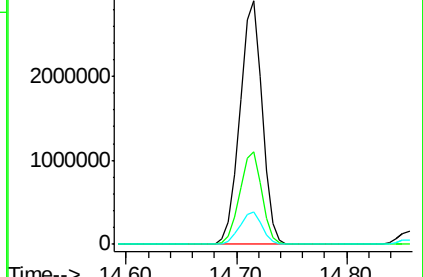
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 63.156 ng

RT: 14.54 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

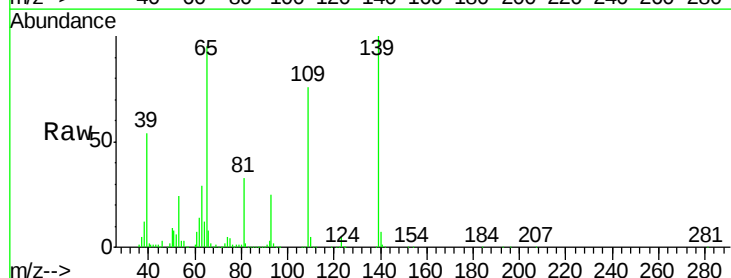
Tgt Ion:139 Resp: 921176

Ion Ratio Lower Upper

139 100

109 75.7 51.8 91.8

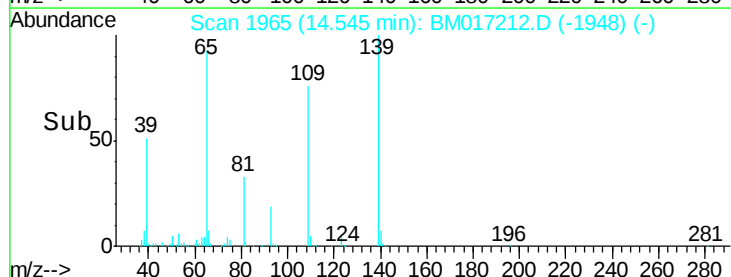
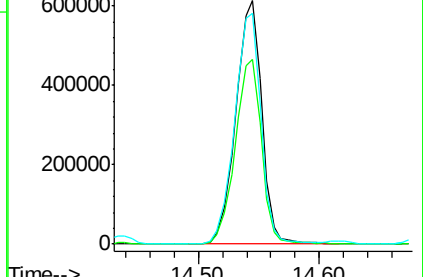
65 94.7 72.1 112.1

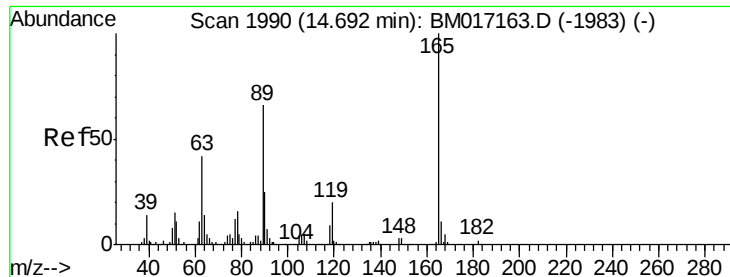


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E





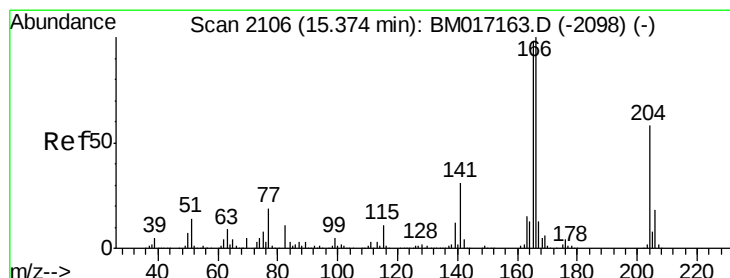
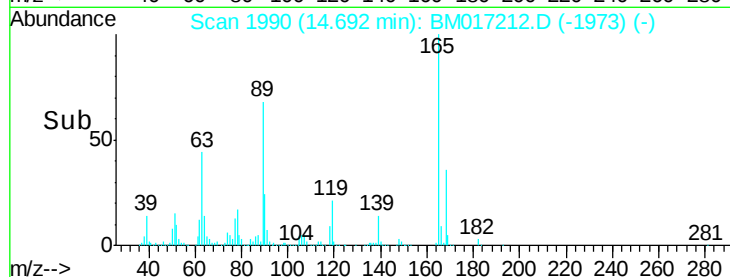
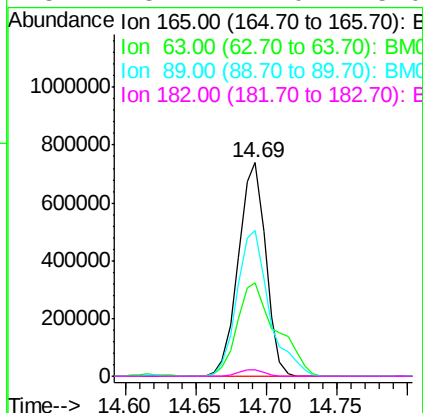
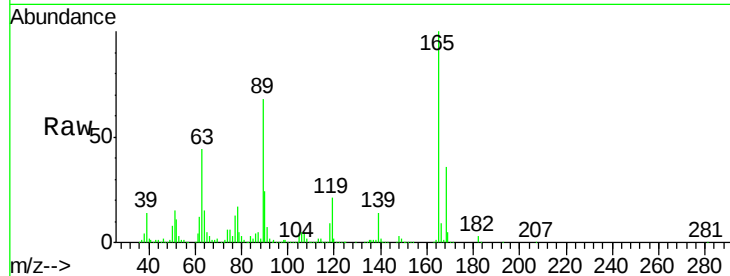
#57
 2,4-Dinitrotoluene
 Concen: 49.570 ng
 RT: 14.69 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.0	33.8	50.8
89	68.4	53.1	79.7
182	3.1	2.0	3.0#

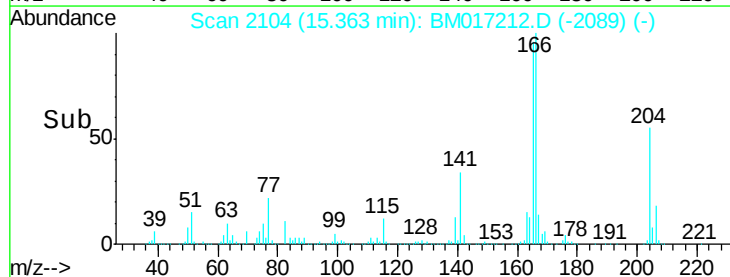
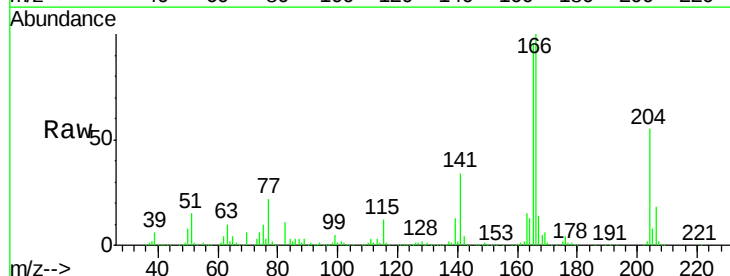
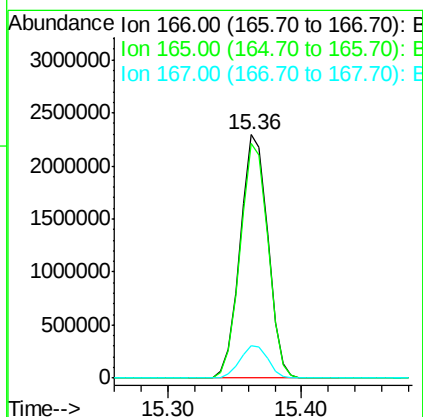
Manual Integrations
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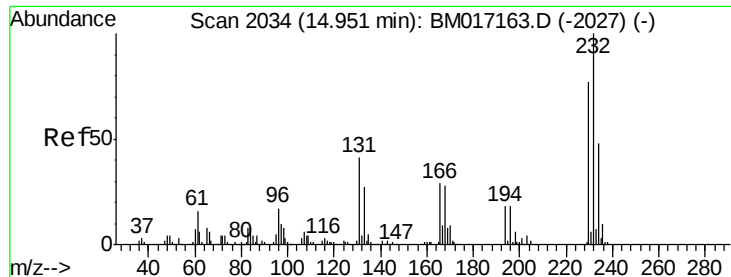
Sohil
 10/19/2018 2:37:47 PM



#58
 Fluorene
 Concen: 49.980 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.1	117.1
167	13.6	10.6	16.0





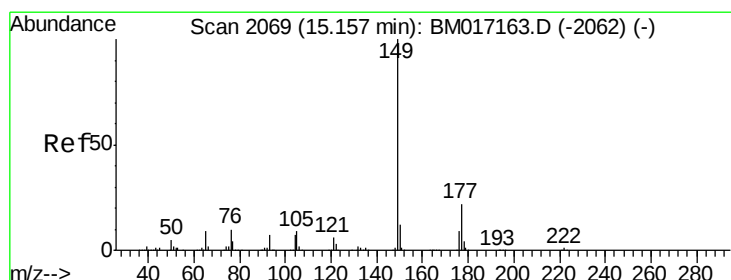
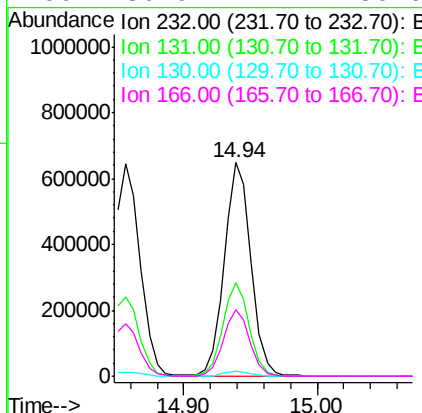
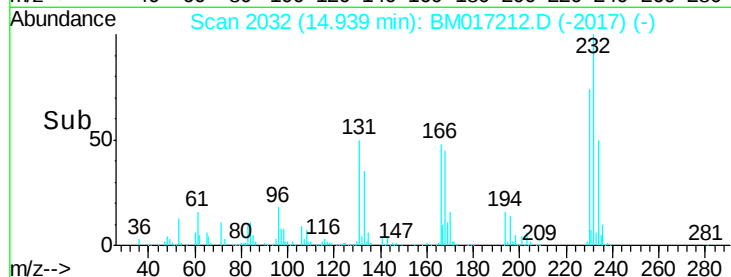
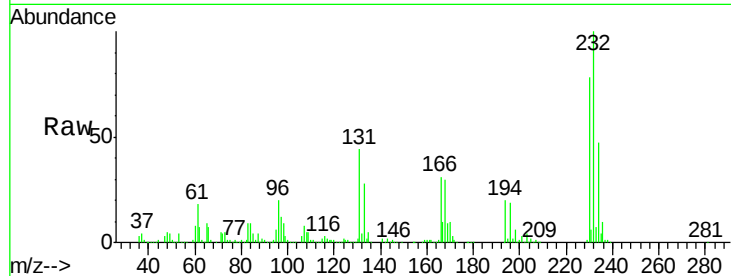
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.124 ng
RT: 14.94 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:	232	Resp:	904118
Ion Ratio	Lower	Upper	
232	100		
131	43.2	33.1	49.7
130	2.3	1.7	2.5
166	30.9	24.4	36.6

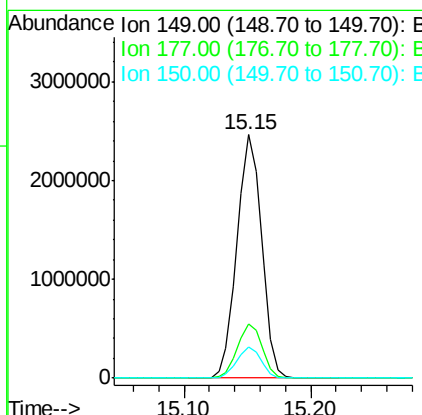
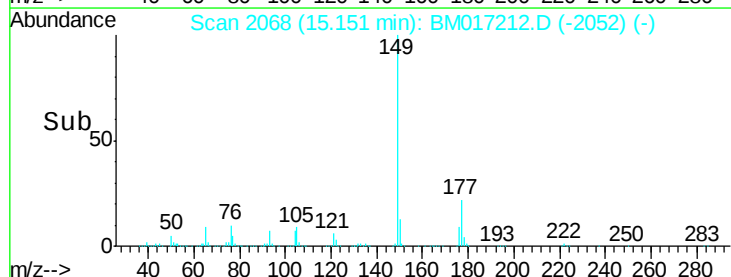
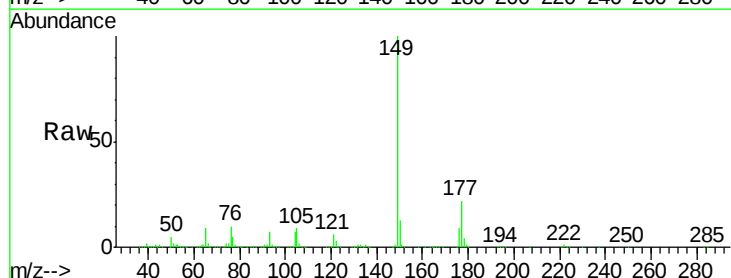
Manual Integrations
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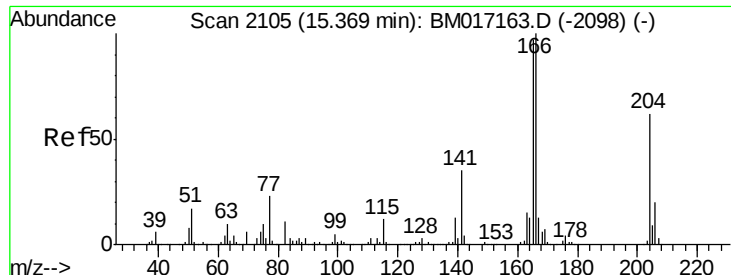
Sohil
10/19/2018 2:37:47 PM



#60
Diethylphthalate
Concen: 48.916 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:	149	Resp:	3312261
Ion Ratio	Lower	Upper	
149	100		
177	22.2	17.7	26.5
150	12.6	10.0	15.0





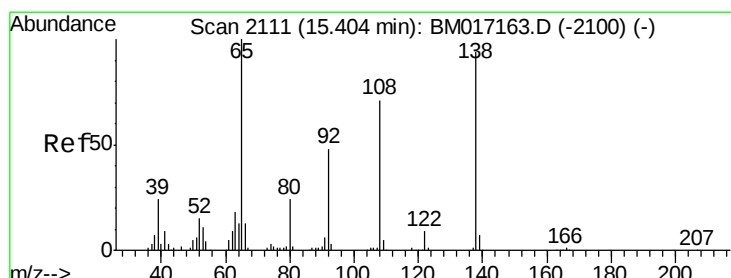
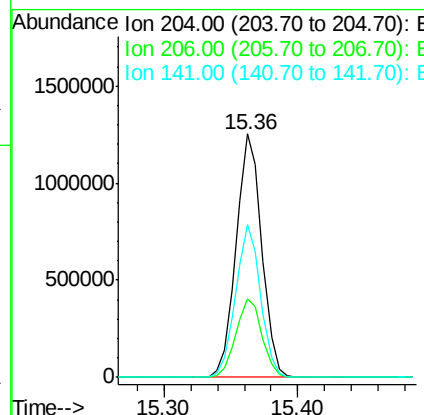
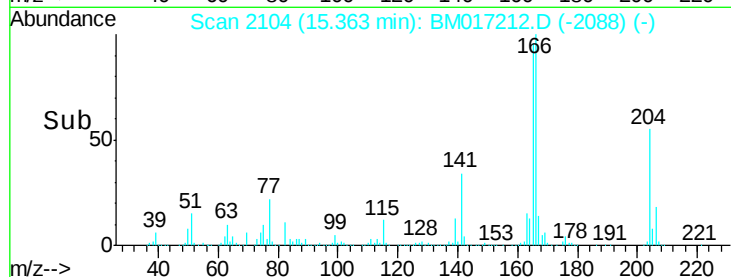
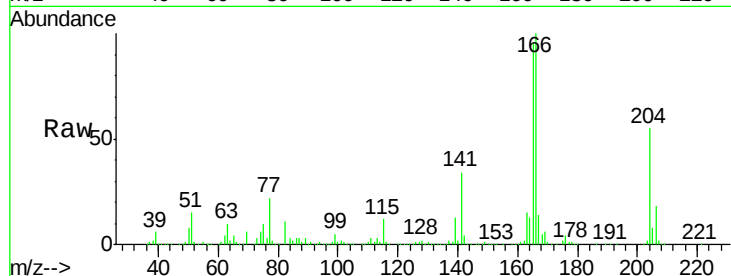
#61
4-Chlorophenyl-phenylether
Concen: 44.690 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:204 Resp: 1672189
Ion Ratio Lower Upper
204 100
206 32.2 26.1 39.1
141 62.5 45.4 68.2

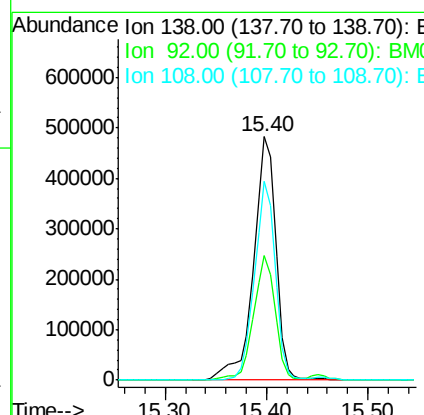
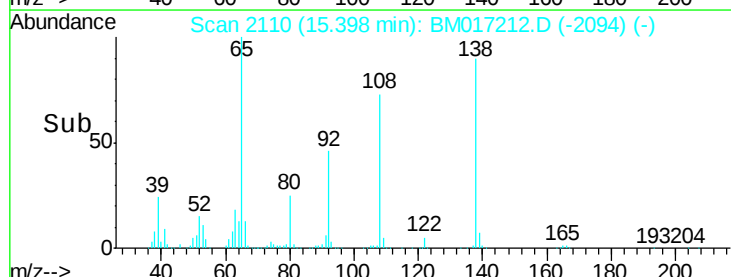
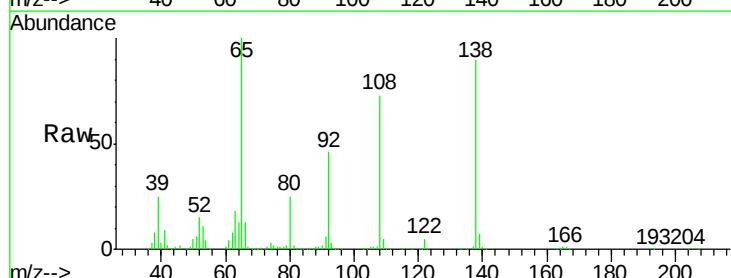
Manual Integrations
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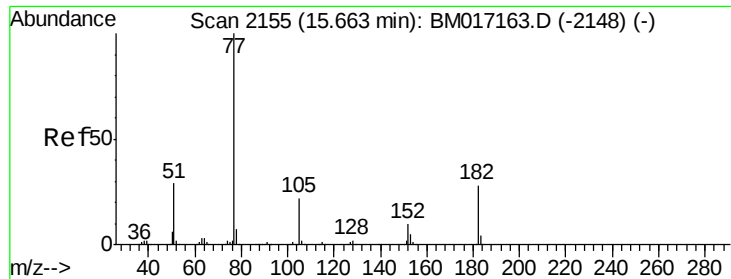
Sohil
10/19/2018 2:37:47 PM



#62
4-Nitroaniline
Concen: 41.569 ng
RT: 15.40 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:138 Resp: 742208
Ion Ratio Lower Upper
138 100
92 51.4 31.2 71.2
108 81.8 55.5 95.5





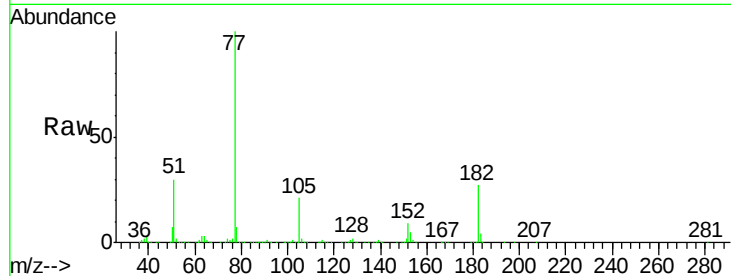
#63
Azobenzene
Concen: 47.956 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.0	8.3	48.3
105	21.3	1.5	41.5
51	30.4	8.8	48.8

Manual Integrations
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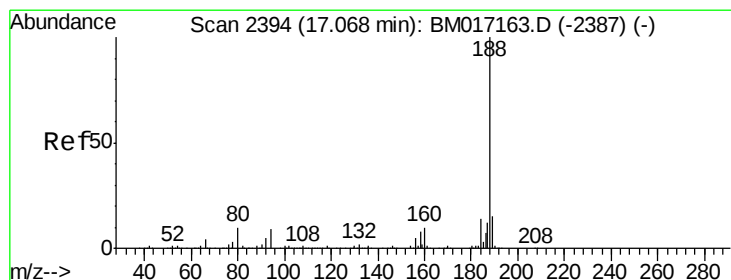
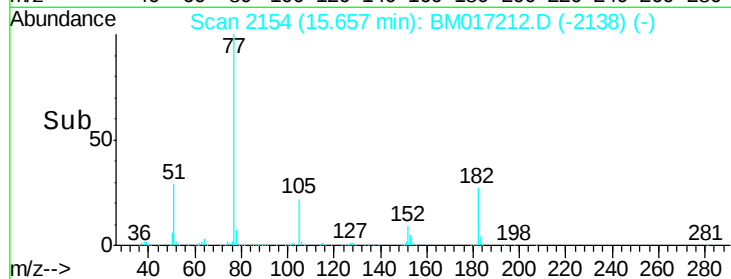
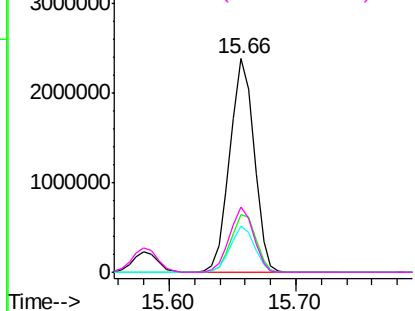


Abundance Ion 77.00 (76.70 to 77.70): BM017163.D (-2148) (-)

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) (-)



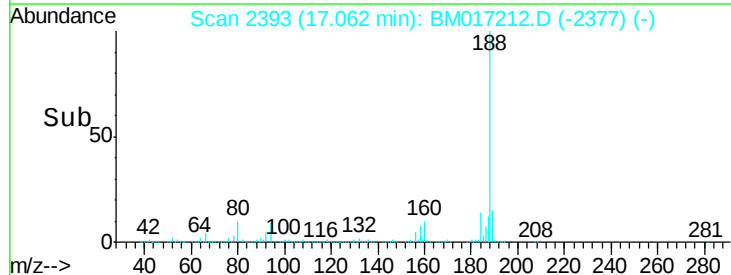
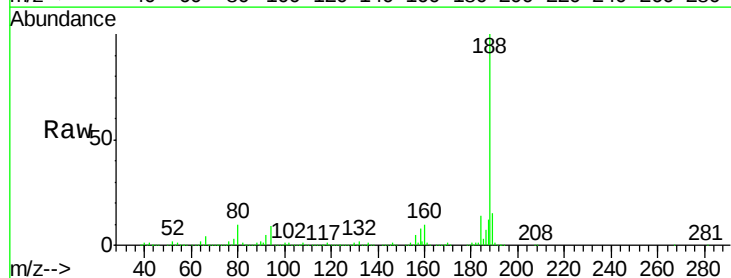
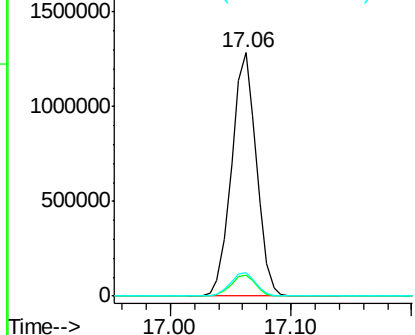
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

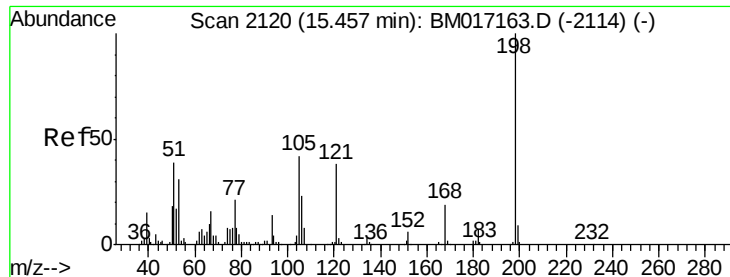
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.4
80	9.9	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): BM017163.D (-2387) (-)

Ion 94.00 (93.70 to 94.70): BM017163.D (-2387) (-)

Ion 80.00 (79.70 to 80.70): BM017163.D (-2387) (-)





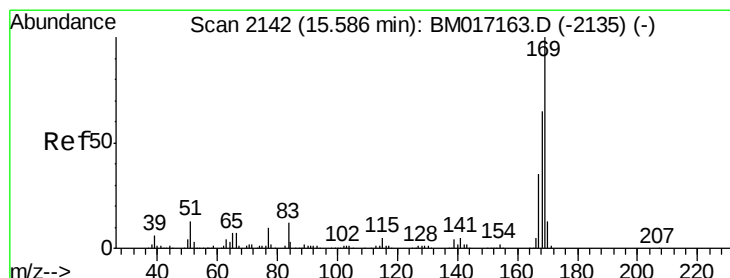
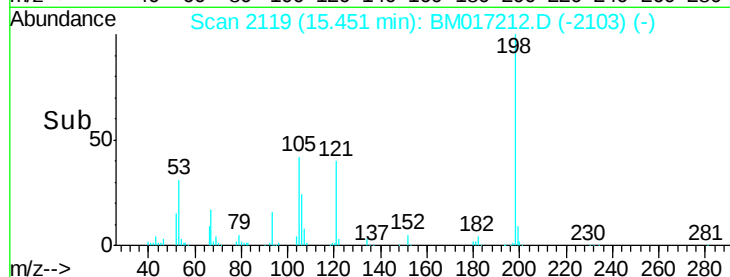
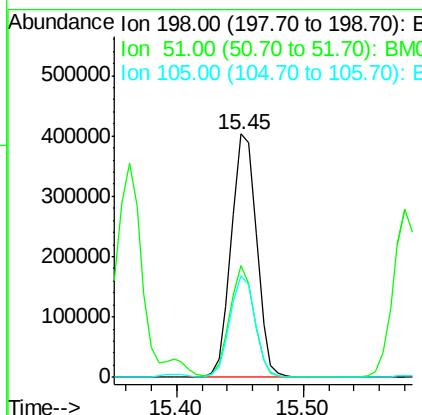
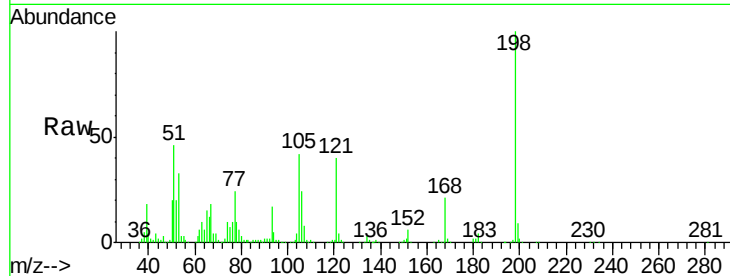
#65
 4,6-Dinitro-2-methylphenol
 Concen: 47.481 ng
 RT: 15.45 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	557905		
51	45.8	20.3	60.3	
105	41.9	21.9	61.9	

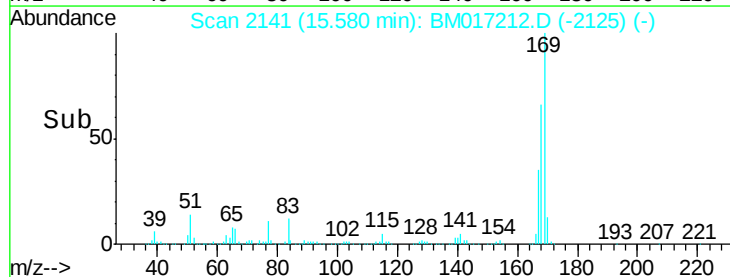
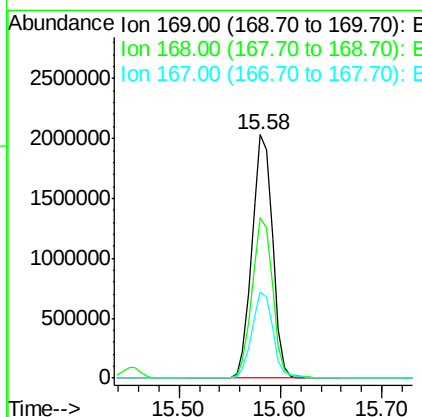
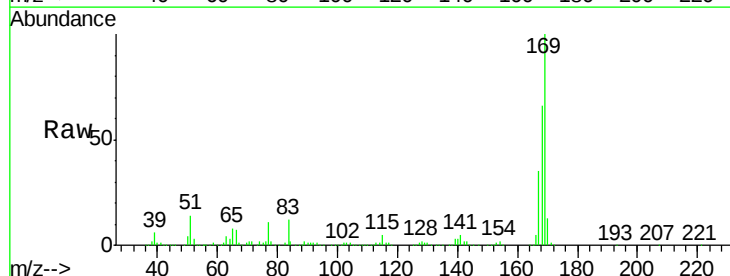
Manual Integrations
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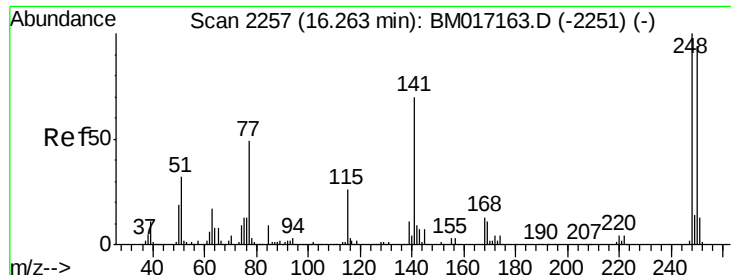
Sohil
 10/19/2018 2:37:47 PM



#66
 n-Nitrosodiphenylamine
 Concen: 51.268 ng
 RT: 15.58 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	2843529		
168	66.1	52.2	78.4	
167	35.2	28.4	42.6	





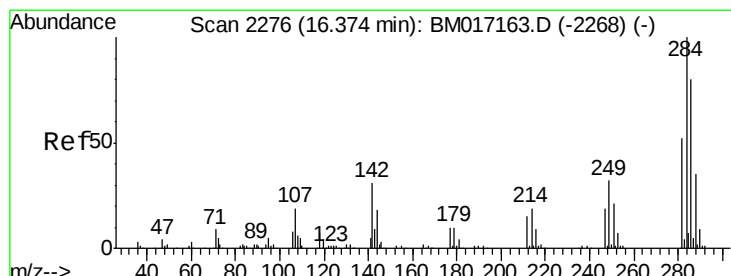
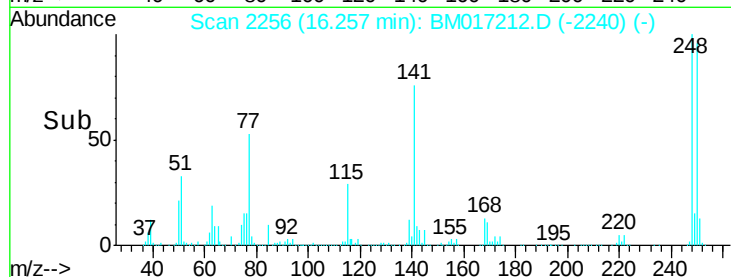
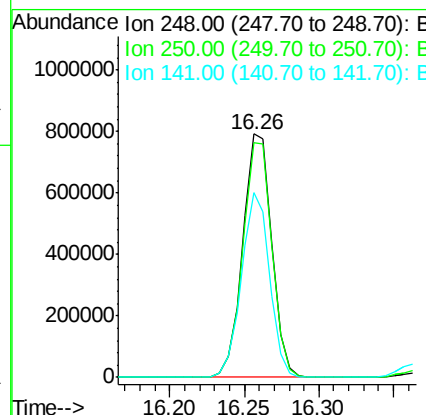
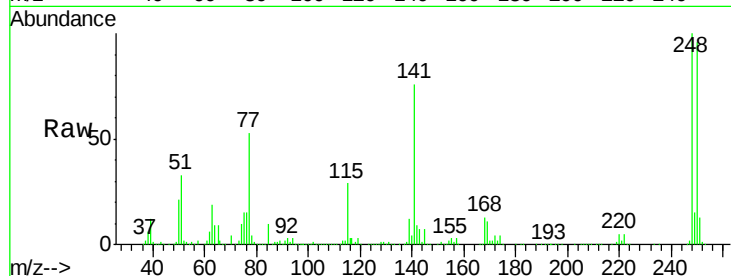
#67
 4-Bromophenyl-phenylether
 Concen: 52.757 ng
 RT: 16.26 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion:248 Resp: 1061941
 Ion Ratio Lower Upper
 248 100
 250 96.1 75.1 112.7
 141 76.1 55.6 83.4

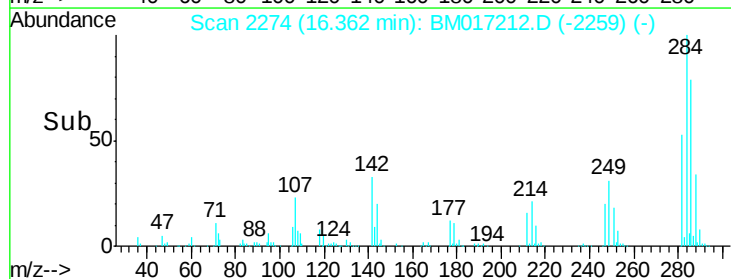
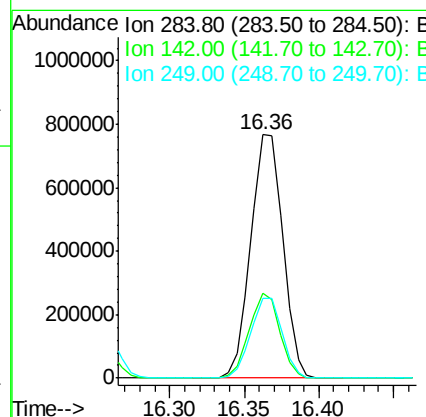
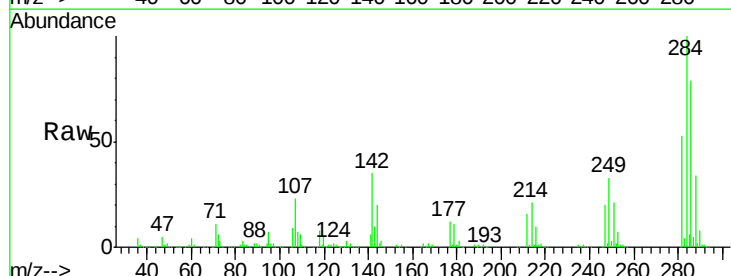
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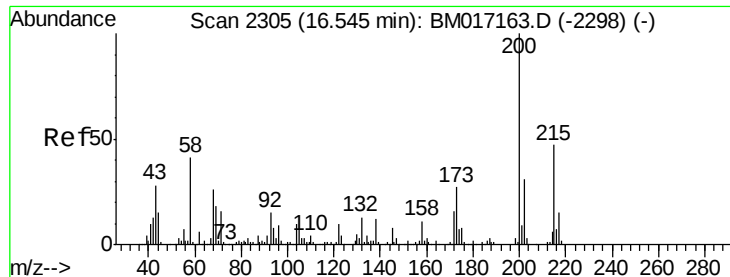
Sohil
 10/19/2018 2:37:47 PM



#68
 Hexachlorobenzene
 Concen: 48.546 ng
 RT: 16.36 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion:284 Resp: 1135099
 Ion Ratio Lower Upper
 284 100
 142 34.7 25.0 37.6
 249 33.0 25.5 38.3





#69

Atrazine

Concen: 49.752 ng

RT: 16.54 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:200 Resp: 987627
Ion Ratio Lower Upper

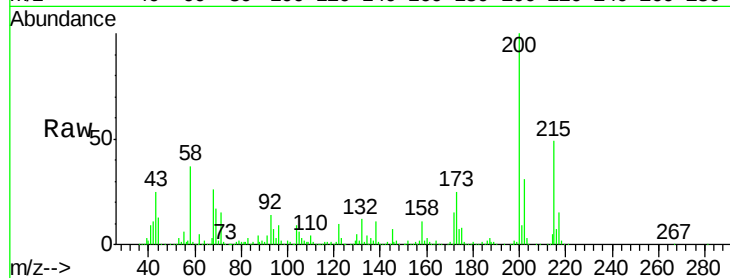
200 100

173 25.4 7.0 47.0

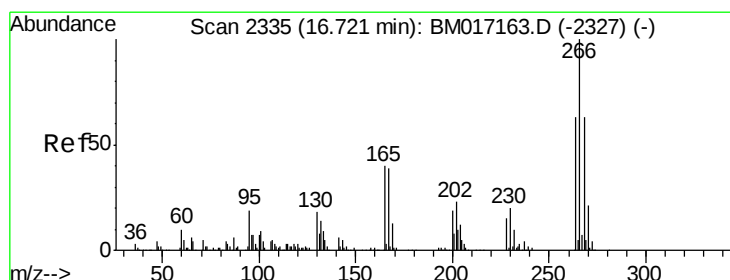
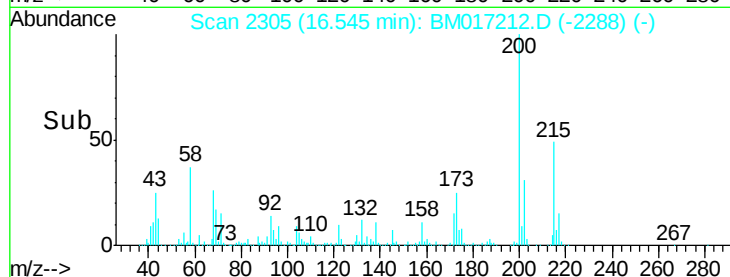
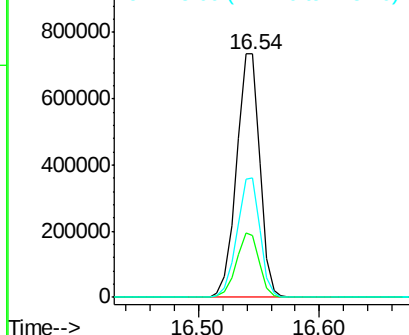
215 49.0 27.3 67.3

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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: 81.083 ng

RT: 16.71 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BM017212.D

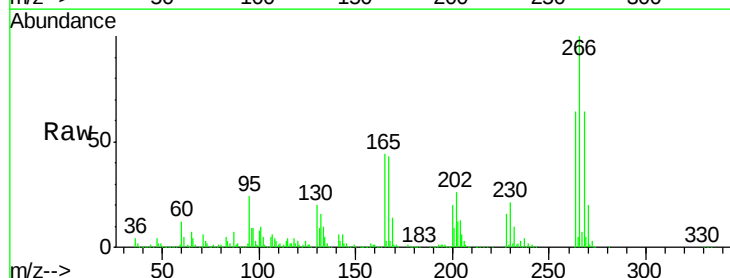
Acq: 19 Oct 2018 02:45

Tgt Ion:266 Resp: 1298732
Ion Ratio Lower Upper

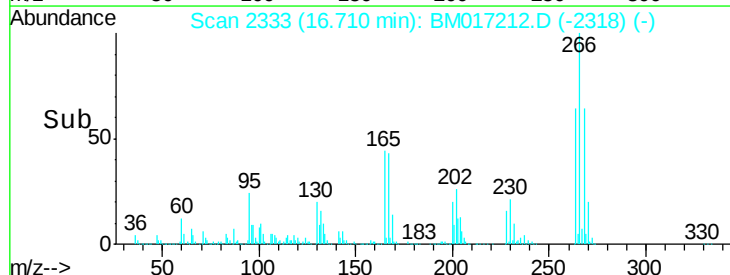
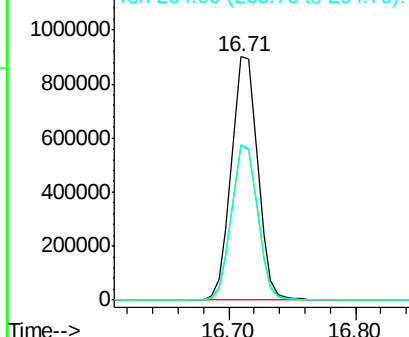
266 100

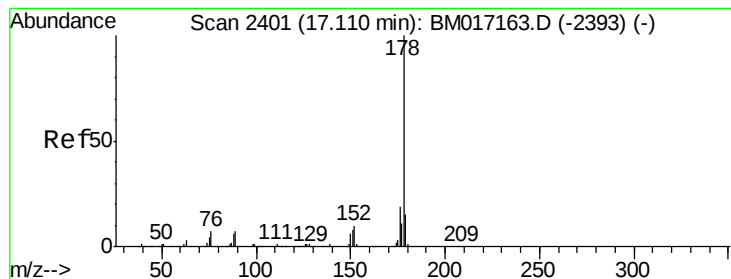
268 63.8 50.7 76.1

264 63.6 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: 49.780 ng

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:178 Resp: 4923641

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

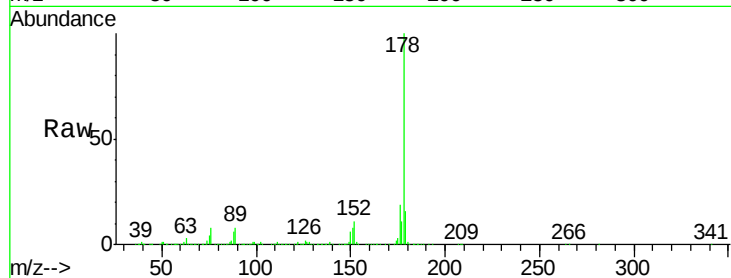
179 15.6 12.3 18.5

Manual Integrations

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Sohil

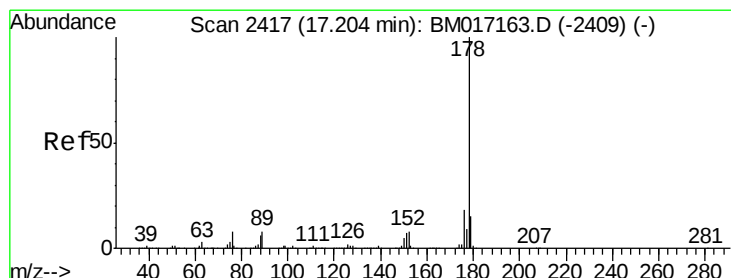
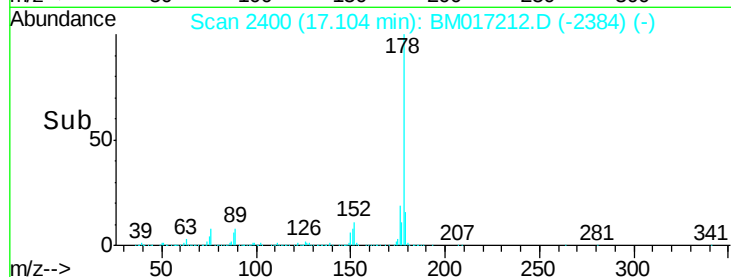
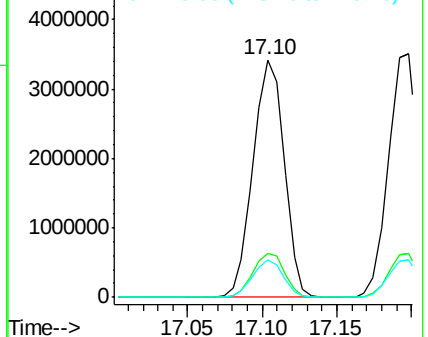
10/19/2018 2:37:47 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 53.382 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

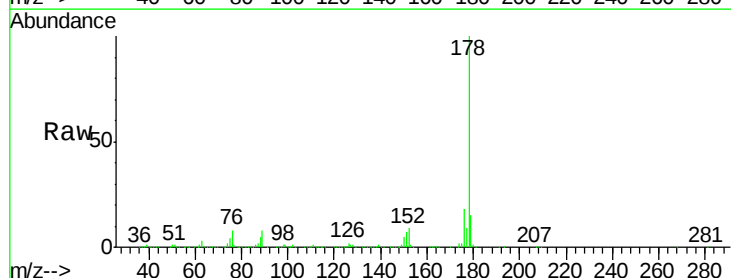
Tgt Ion:178 Resp: 5016880

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

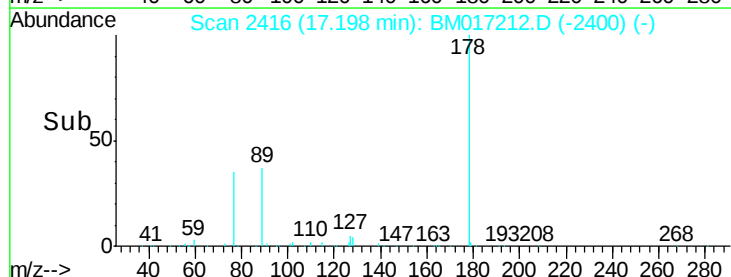
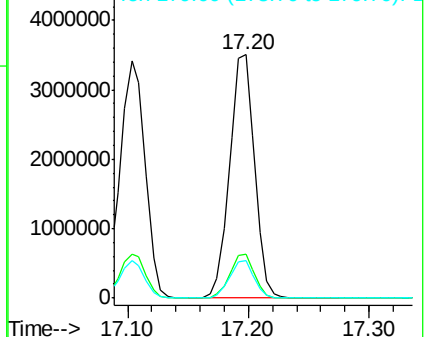
179 15.2 12.2 18.2

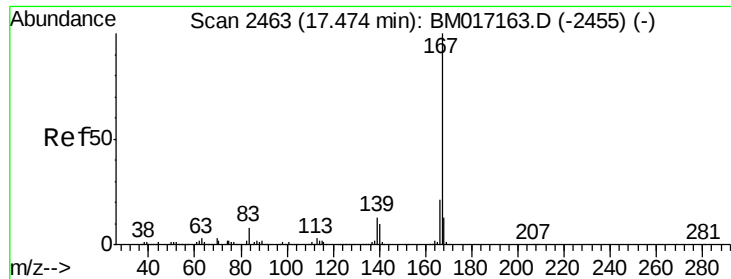


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





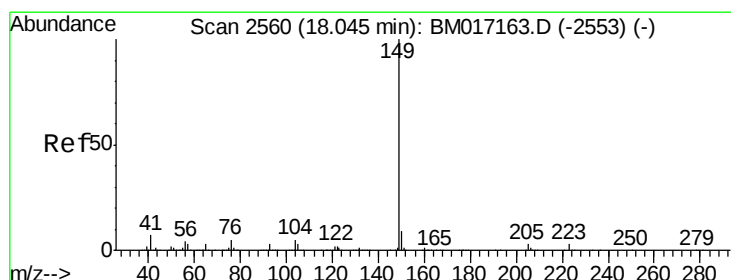
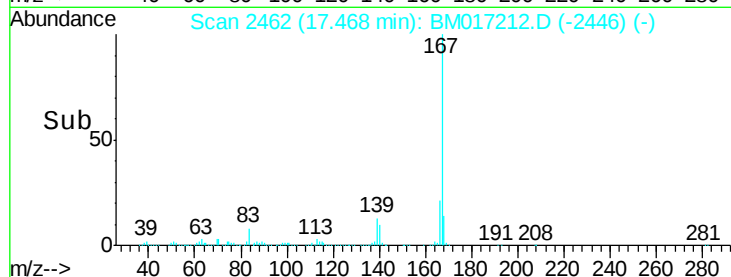
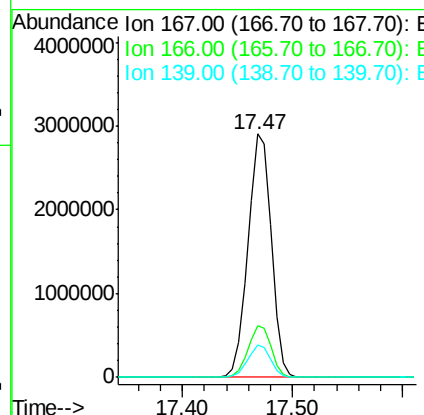
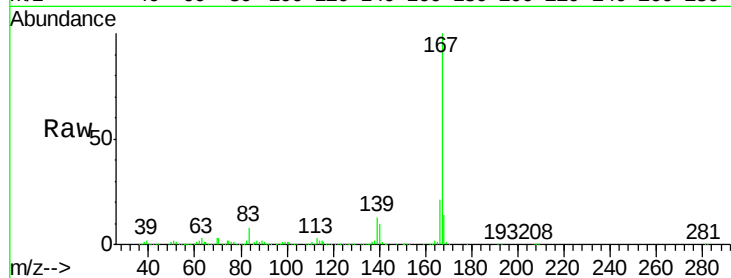
#73
 Carbazole
 Concen: 45.056 ng
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion:167 Resp: 4325422
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 13.1 10.1 15.1

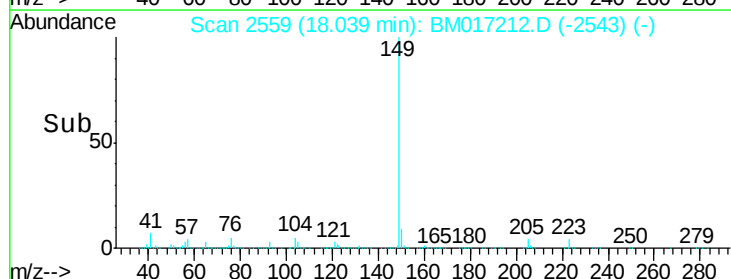
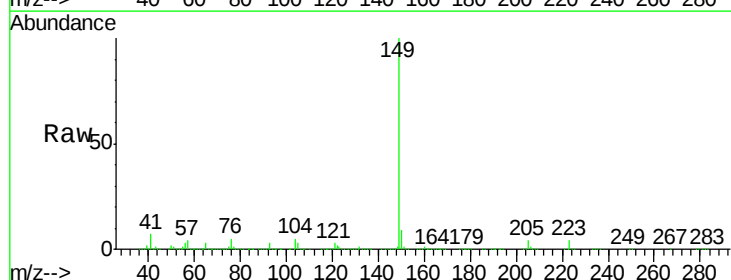
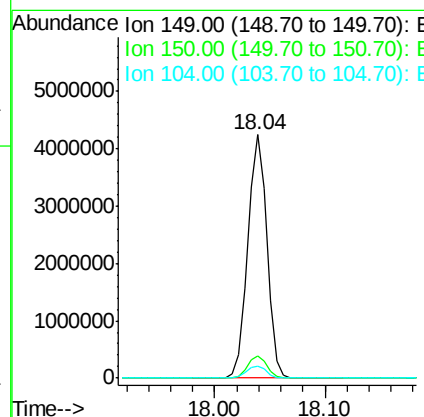
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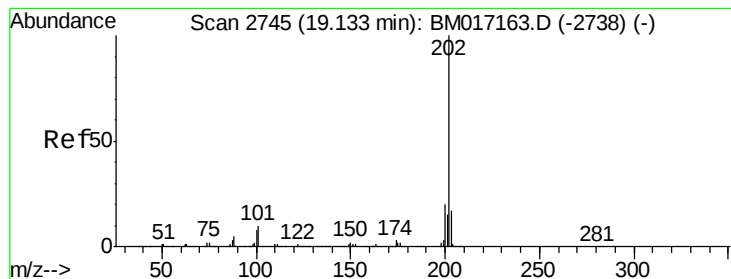
Sohil
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#74
 Di-n-butylphthalate
 Concen: 51.027 ng
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion:149 Resp: 5166712
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.0 4.3 6.5





#75

Fluoranthene

Concen: 47.072 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

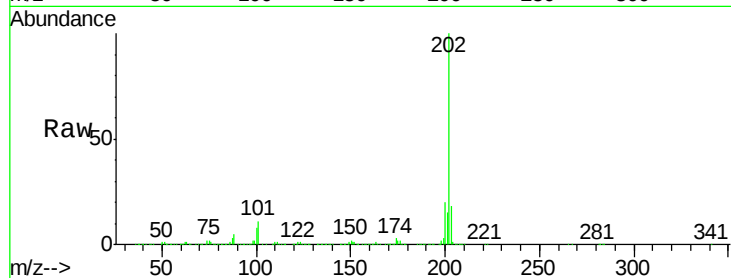
RLF-SW-5MSD

Tgt Ion: 202 Resp: 5239028

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.0
203	17.7	0.0	37.2

Manual Integrations
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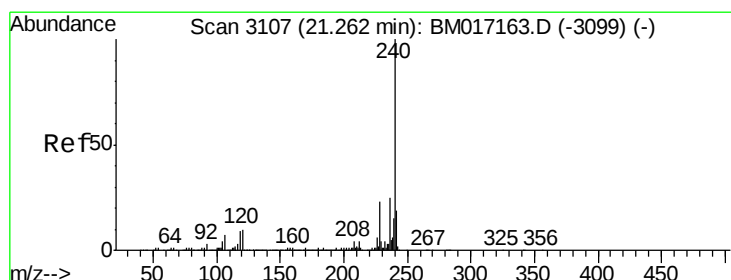
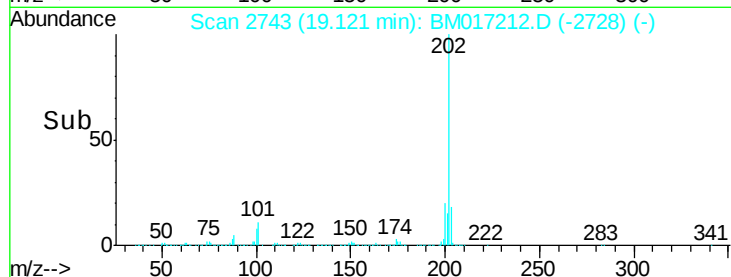
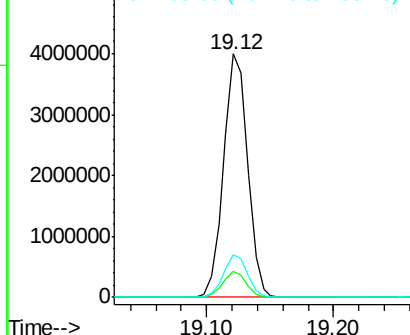
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

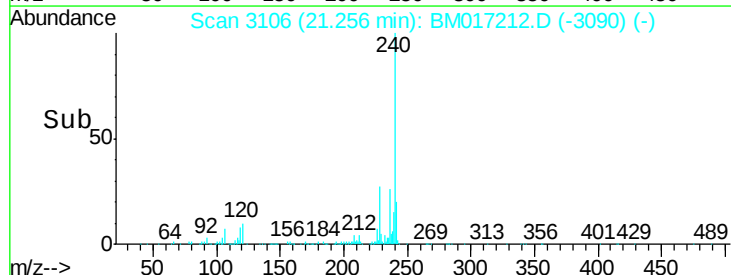
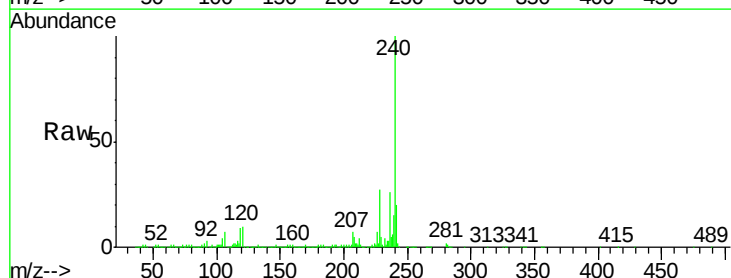
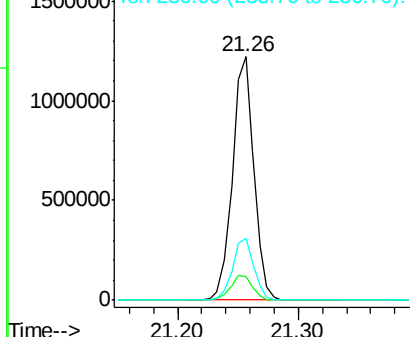
Tgt Ion: 240 Resp: 1508390

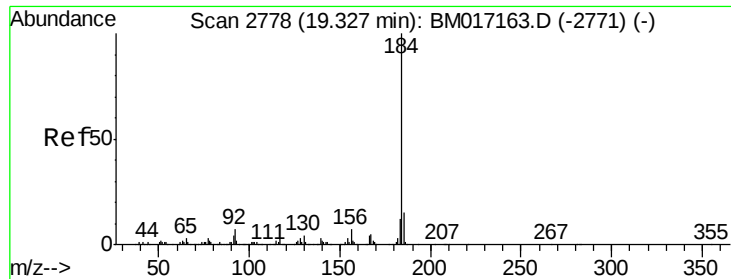
Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.1	12.1
236	25.6	19.9	29.9

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: 73.420 ng

RT: 19.32 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:184 Resp: 2808138

Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.8

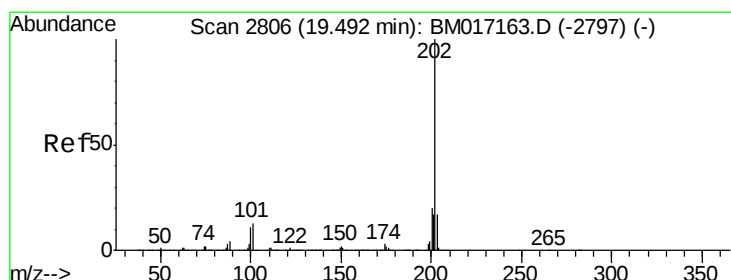
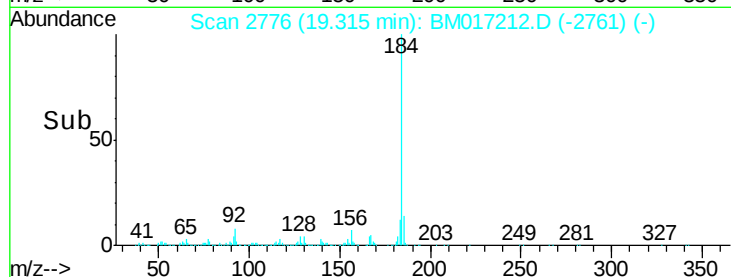
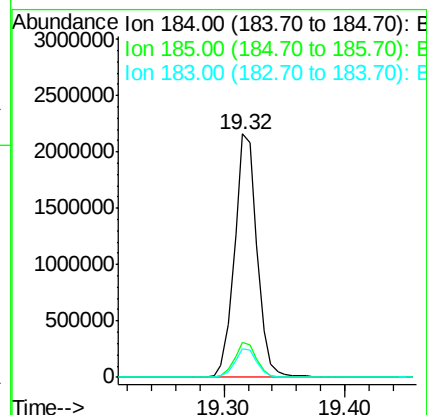
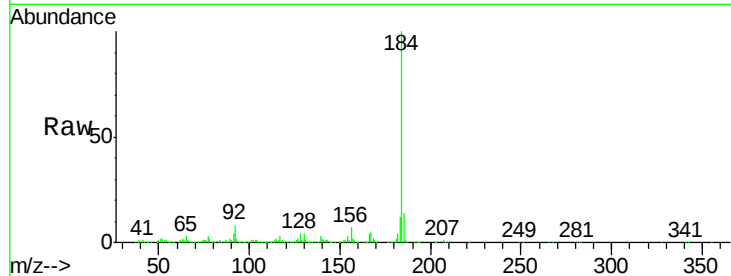
183 11.7 9.7 14.5

Manual Integrations

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#78

Pyrene

Concen: 61.928 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

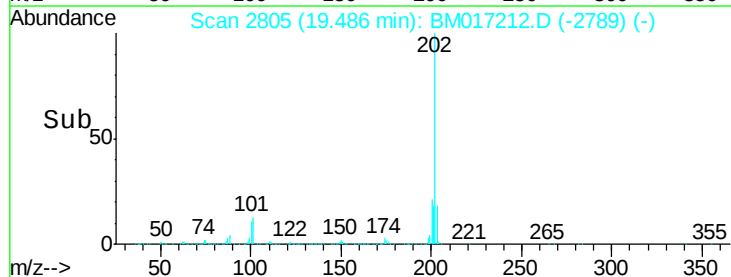
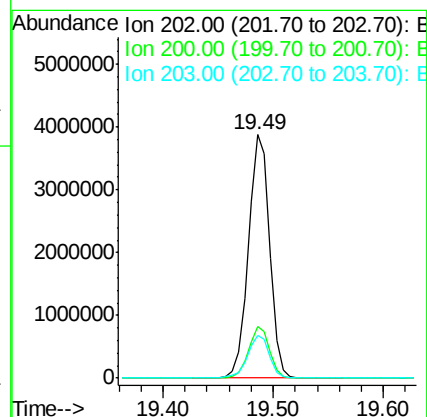
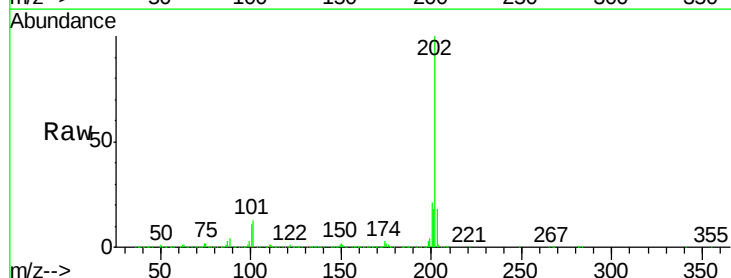
Tgt Ion:202 Resp: 5220813

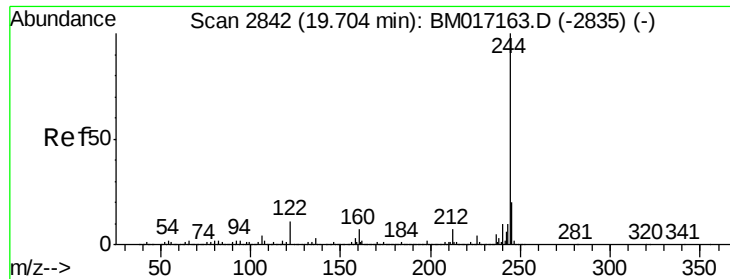
Ion Ratio Lower Upper

202 100

200 21.0 16.3 24.5

203 17.7 13.9 20.9





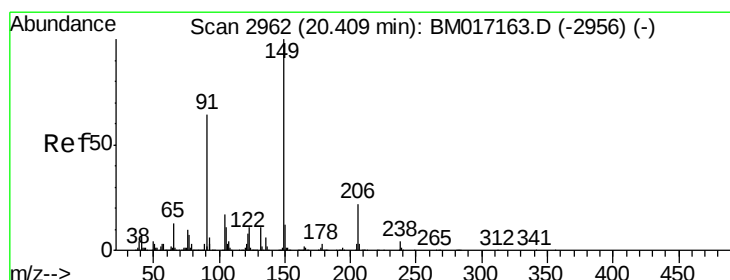
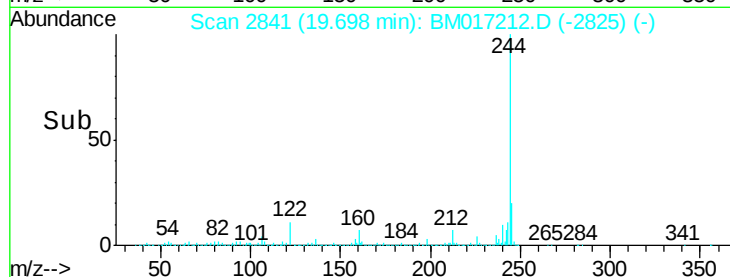
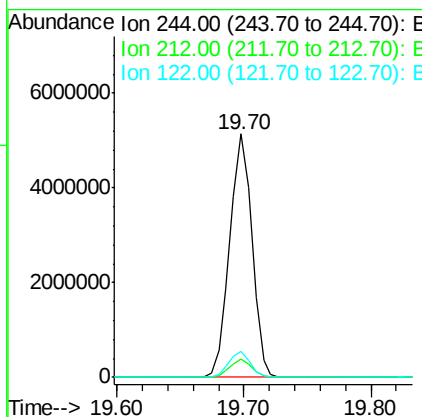
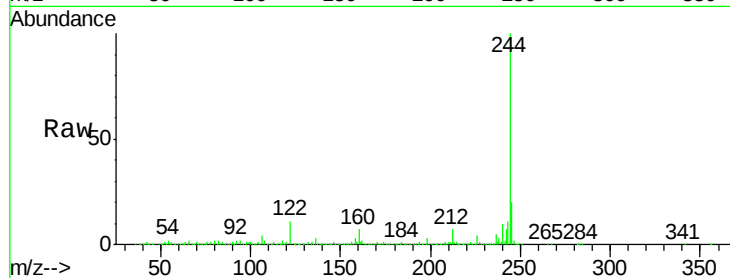
#79
 Terphenyl-d14
 Concen: 93.208 ng
 RT: 19.70 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion:244 Resp: 6237544
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 10.7 8.4 12.6

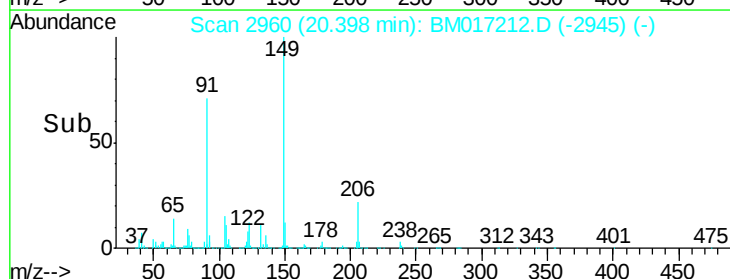
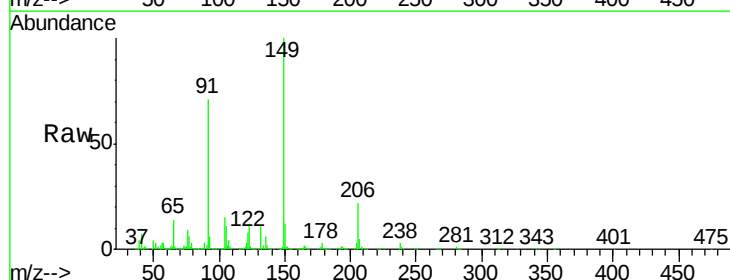
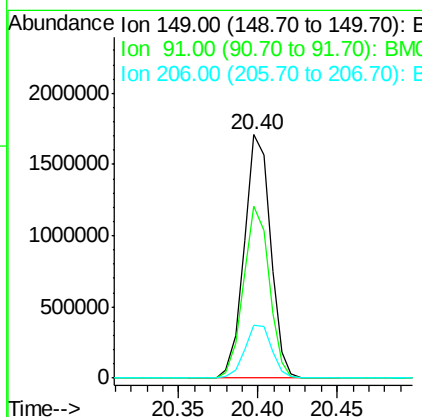
Manual Integrations
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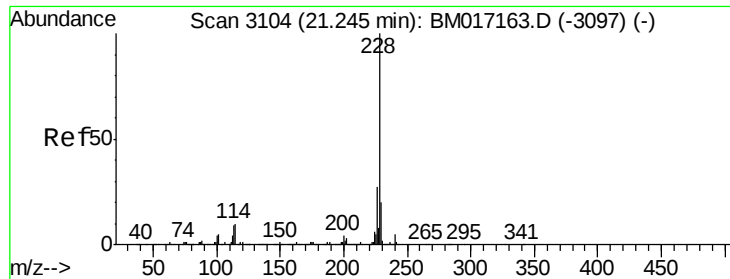
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#80
 Butylbenzylphthalate
 Concen: 59.293 ng
 RT: 20.40 min Scan# 2960
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion:149 Resp: 1965835
 Ion Ratio Lower Upper
 149 100
 91 70.6 51.3 76.9
 206 21.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 52.639 ng

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

Instrument :

BNA_M

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:228 Resp: 4468193

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.0

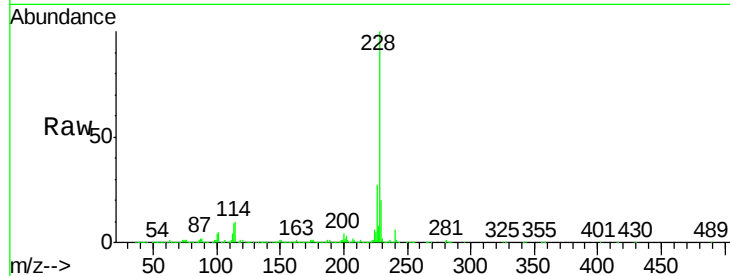
229 19.7 15.9 23.9

Manual Integrations

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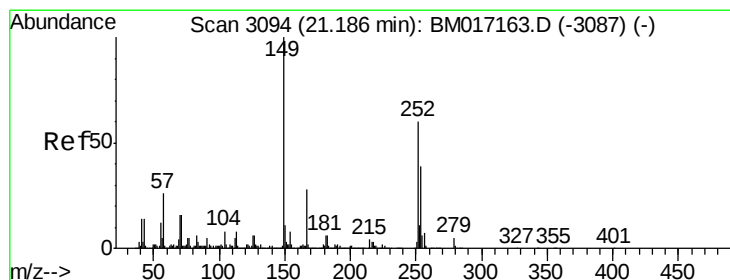
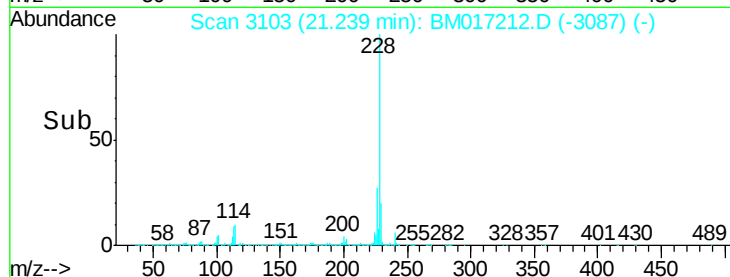
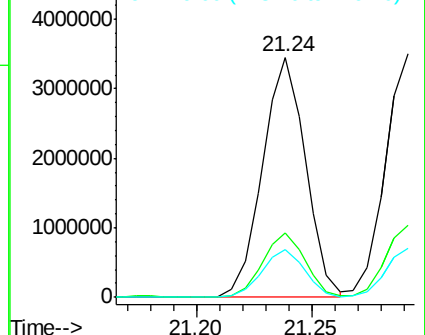
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 45.688 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017212.D

Acq: 19 Oct 2018 02:45

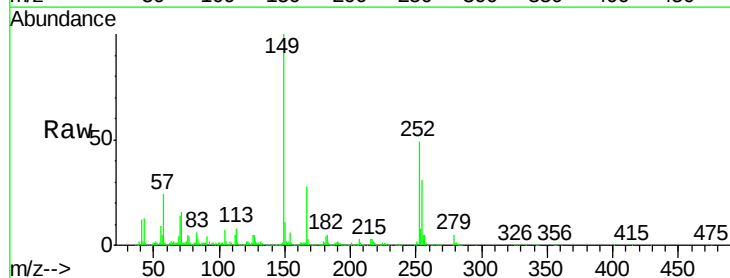
Tgt Ion:252 Resp: 1445392

Ion Ratio Lower Upper

252 100

254 64.4 52.1 78.1

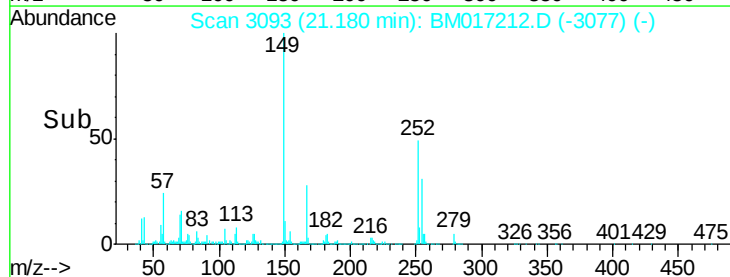
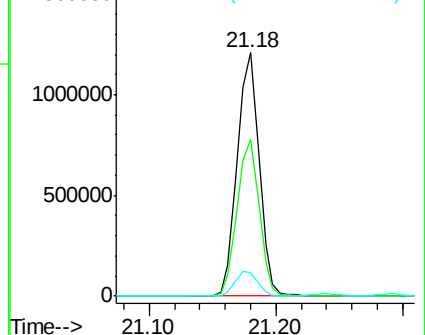
126 9.9 8.6 12.8

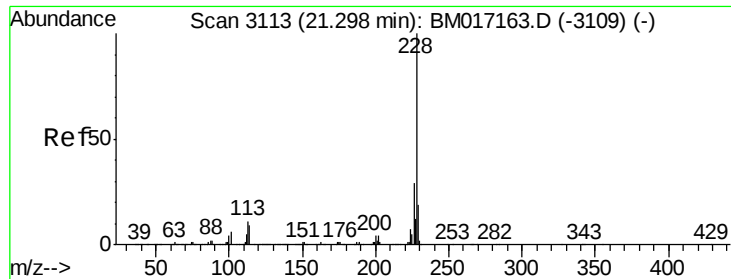


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





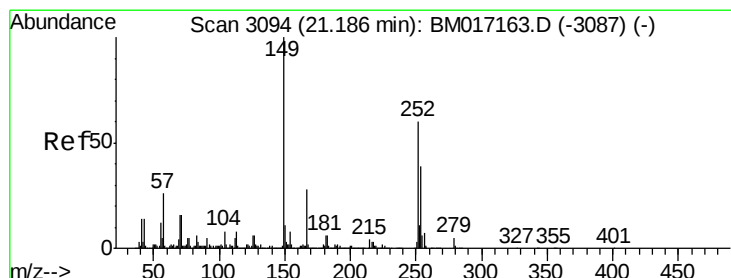
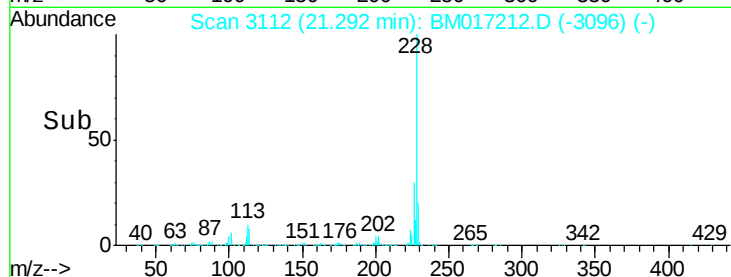
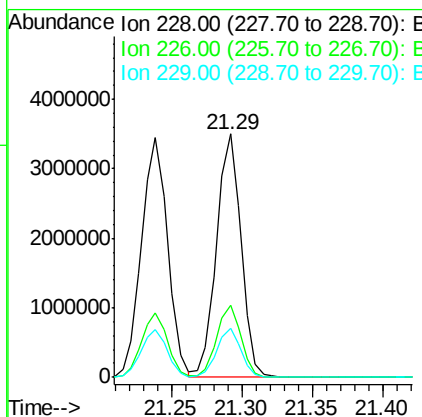
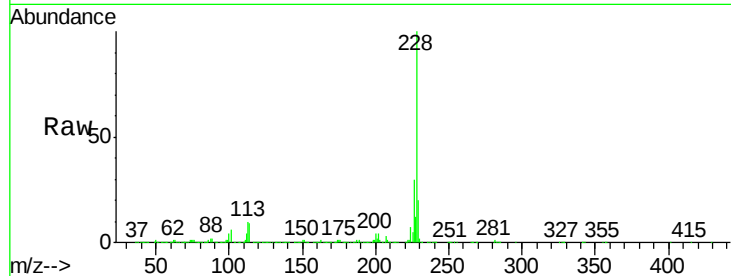
#83
 Chrysene
 Concen: 50.331 ng
 RT: 21.29 min Scan# 3112
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 228 Resp: 4228636
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.3 34.9
 229 20.1 15.6 23.4

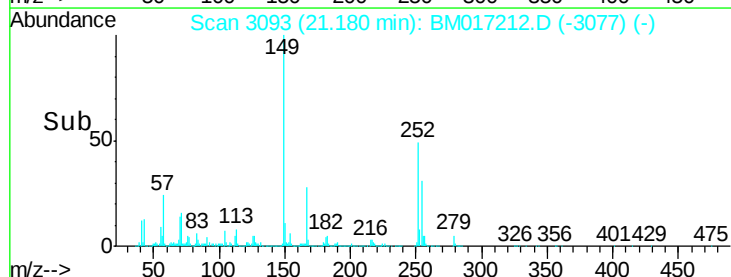
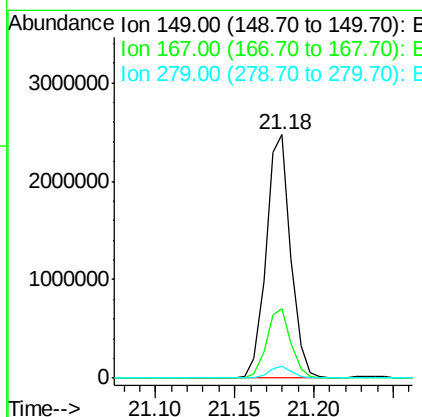
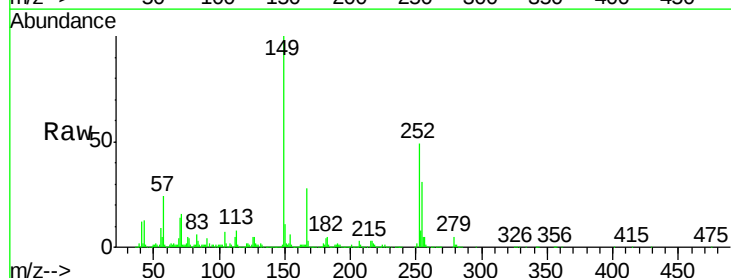
Manual Integrations
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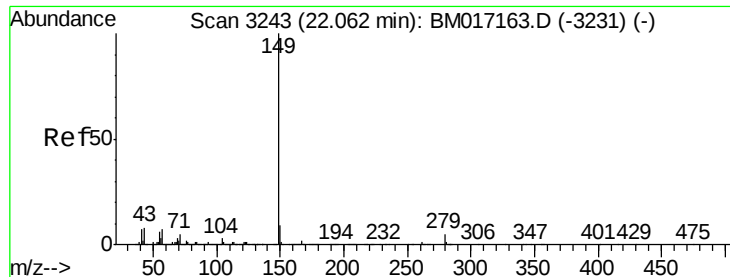
Sohil
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.903 ng
 RT: 21.18 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM017212.D
 Acq: 19 Oct 2018 02:45

Tgt Ion: 149 Resp: 2681775
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.2 33.4
 279 5.0 3.6 5.4





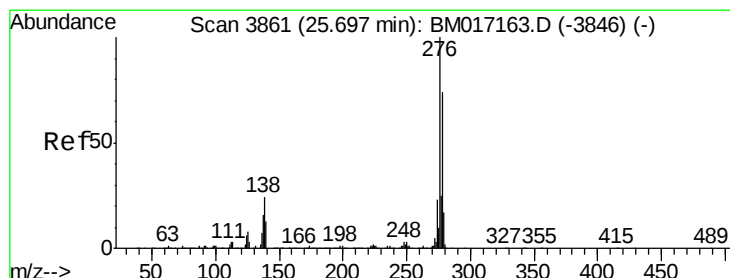
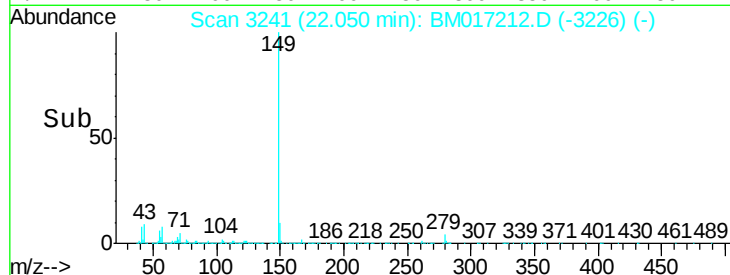
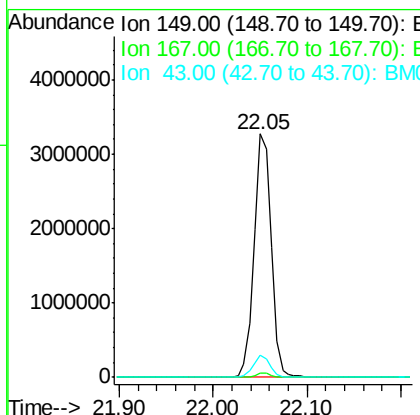
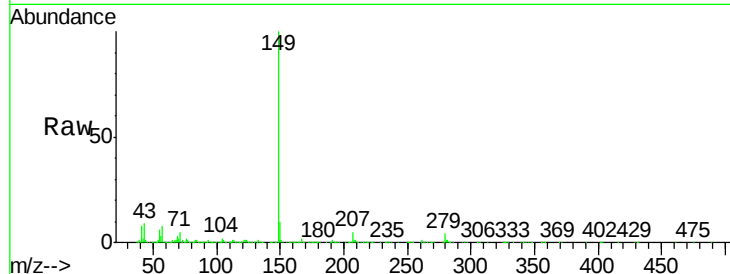
#85
Di-n-octyl phthalate
Concen: 49.427 ng
RT: 22.05 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:149 Resp: 4125607
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 8.7 7.2 10.8

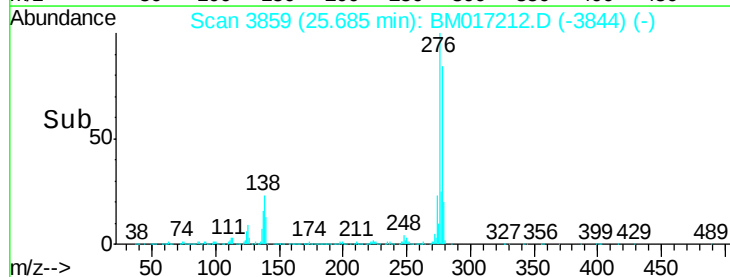
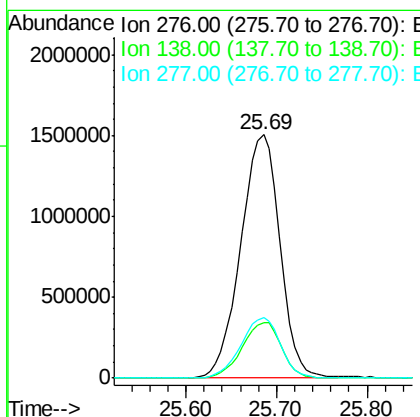
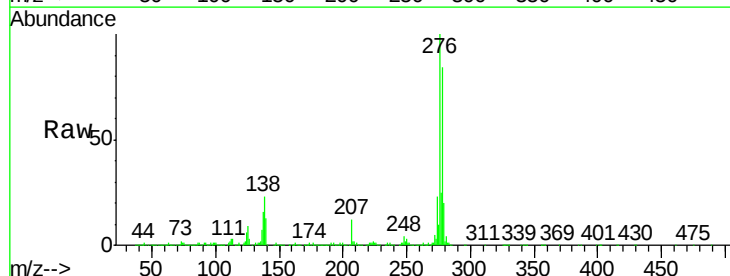
Manual Integrations
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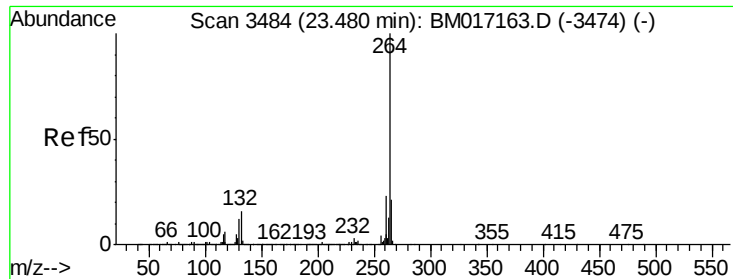
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 48.276 ng
RT: 25.69 min Scan# 3859
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:276 Resp: 4536638
Ion Ratio Lower Upper
276 100
138 23.0 19.5 29.3
277 24.9 20.1 30.1





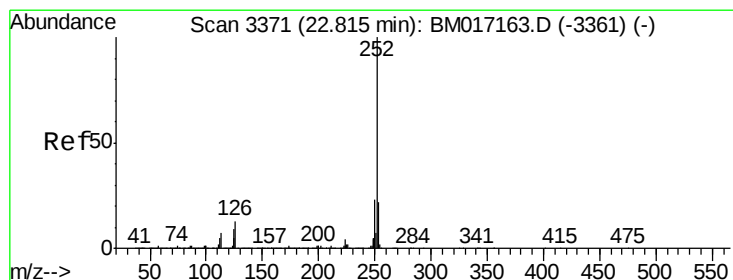
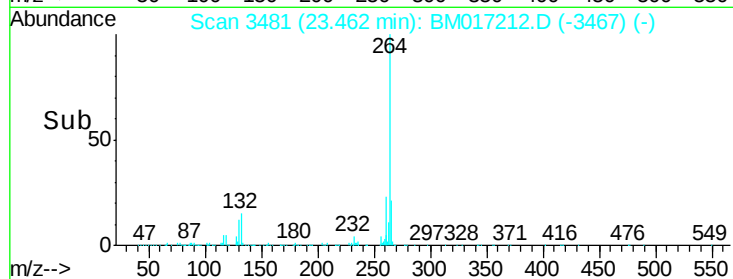
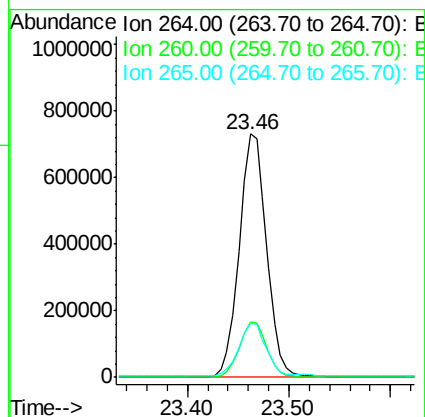
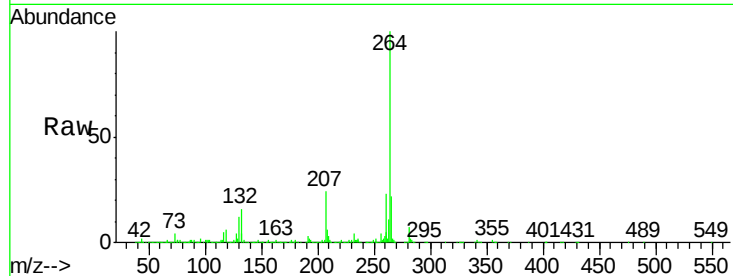
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3481
Delta R.T. -0.02 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:264 Resp: 1372694
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 22.3 17.8 26.8

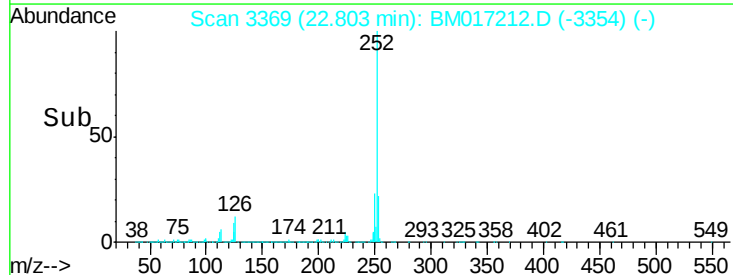
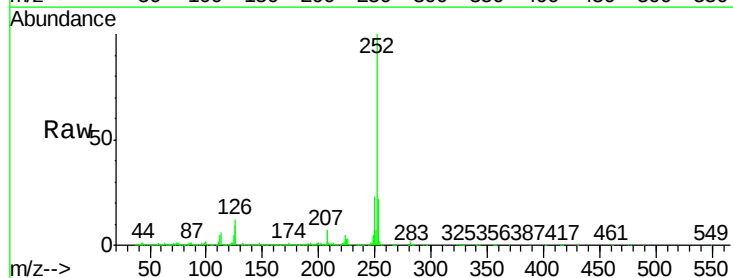
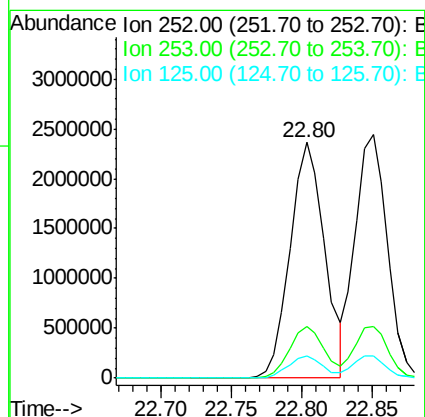
Manual Integrations
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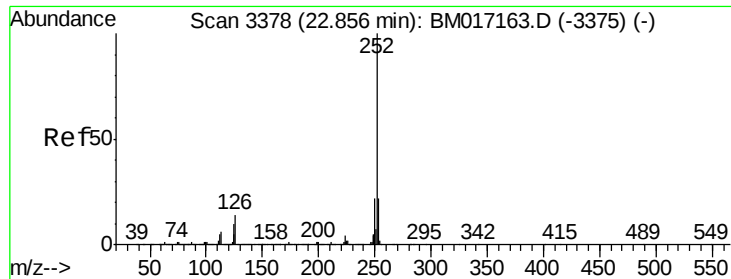
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#88
Benzo(b)fluoranthene
Concen: 53.644 ng
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:252 Resp: 4025962
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.3 7.5 11.3





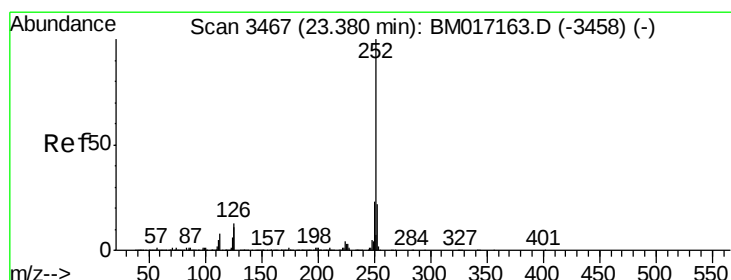
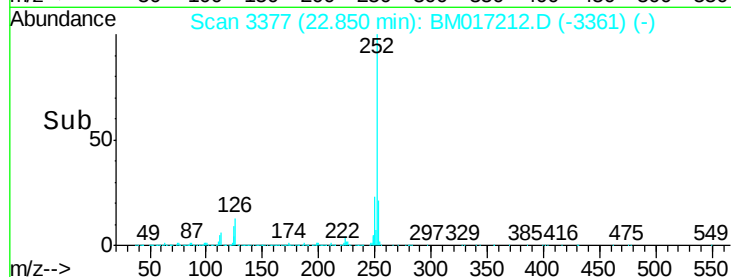
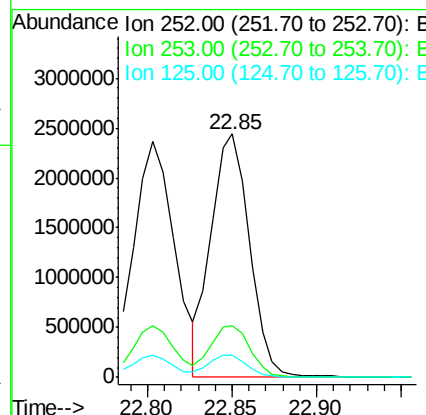
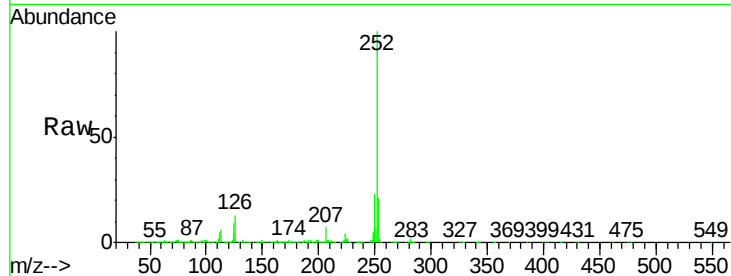
#89
Benzo(k)fluoranthene
Concen: 51.135 ng
RT: 22.85 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion: 252 Resp: 3850816
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 9.0 8.2 12.2

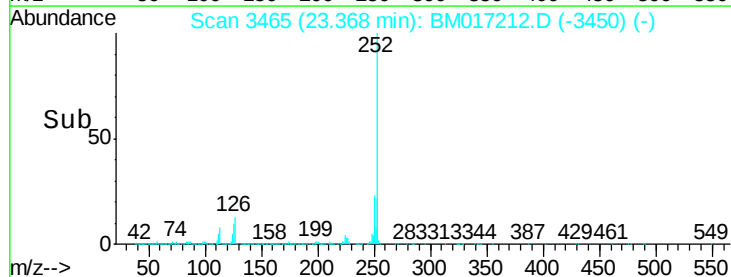
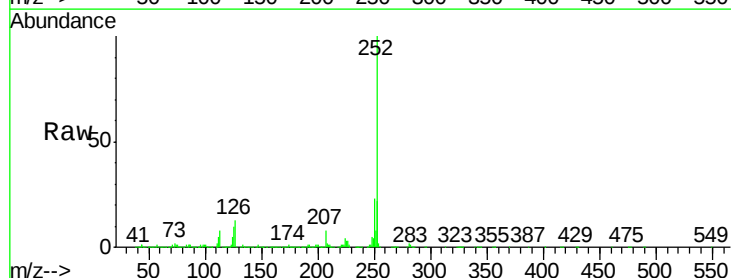
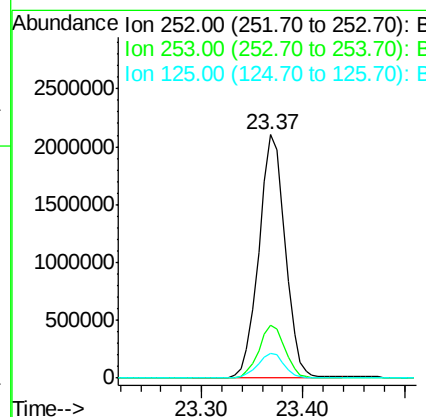
Manual Integrations
APPROVED

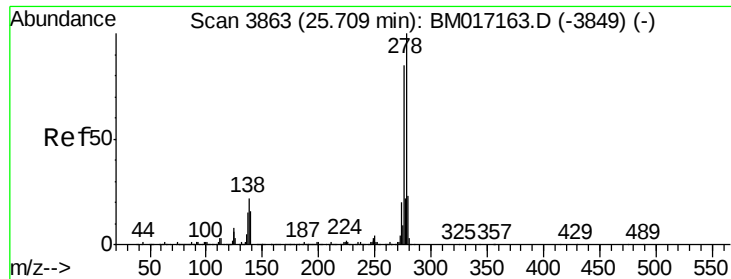
Sohil
10/19/2018 2:37:47 PM



#90
Benzo(a)pyrene
Concen: 53.289 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion: 252 Resp: 3797255
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 10.0 8.6 13.0





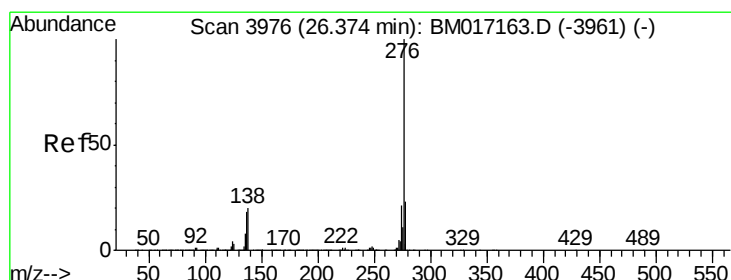
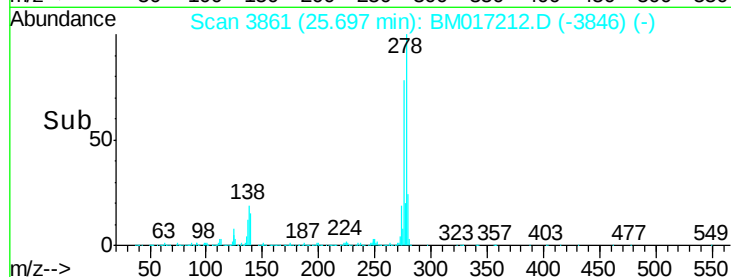
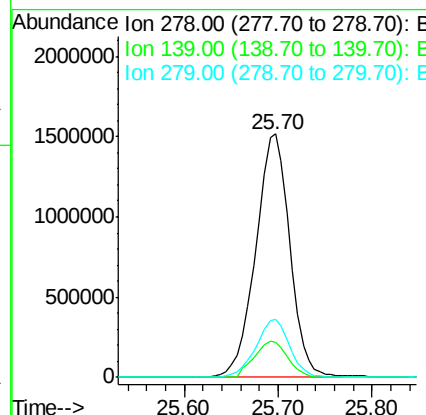
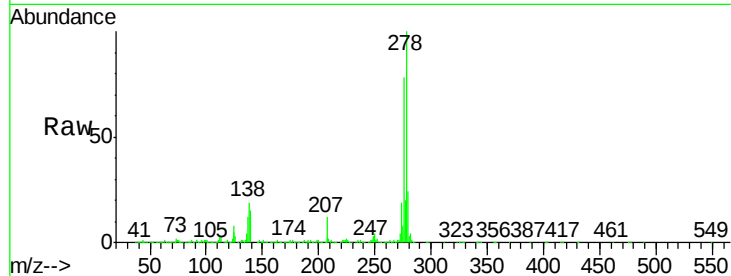
#91
Dibenzo(a,h)anthracene
Concen: 53.858 ng
RT: 25.70 min Scan# 3861
Delta R.T. -0.01 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Instrument :
BNA_M
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:278 Resp: 3810796
Ion Ratio Lower Upper
278 100
139 14.6 12.7 19.1
279 23.6 18.7 28.1

Manual Integrations
APPROVED

Sohil
10/19/2018 2:37:47 PM



#92
Benzo(g,h,i)perylene
Concen: 55.373 ng
RT: 26.36 min Scan# 3973
Delta R.T. -0.02 min
Lab File: BM017212.D
Acq: 19 Oct 2018 02:45

Tgt Ion:276 Resp: 3883227
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 19.3 16.4 24.6

