

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020419\
 Data File : BM018731.D
 Acq On : 04 Feb 2019 22:37
 Operator : JU/SJ
 Sample : K1011-14MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-013119-AMSD

Manual Integrations
 APPROVED

mohammad
 2/5/2019 8:41:40 AM

Quant Time: Feb 05 04:06:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 04 15:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	232033	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	849124	20.00	ng	0.00
39) Acenaphthene-d10	14.37	164	424246	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	854765	20.00	ng	0.00
76) Chrysene-d12	21.31	240	795486	20.00	ng	0.00
87) Perylene-d12	23.57	264	840974	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1831667	145.76	ng	0.00
7) Phenol-d6	6.89	99	2126914	133.26	ng	0.00
23) Nitrobenzene-d5	8.89	82	1491459	101.82	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	800144	148.12	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	3405551	104.75	ng	0.00
79) Terphenyl-d14	19.75	244	3965749	105.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	197692	38.599	ng	# 41
3) Pyridine	3.68	79	430487	33.713	ng	99
4) n-Nitrosodimethylamine	3.58	42	274757	52.036	ng	# 94
6) Aniline	7.06	93	79138	4.445	ng	97
8) 2-Chlorophenol	7.29	128	680364	46.358	ng	97
9) Benzaldehyde	6.87	77	384908	42.738	ng	95
10) Phenol	6.92	94	658960	40.630	ng	99
11) bis(2-Chloroethyl)ether	7.16	93	567344	44.520	ng	98
12) 1,3-Dichlorobenzene	7.60	146	743548	42.542	ng	99
13) 1,4-Dichlorobenzene	7.75	146	758764	42.832	ng	99
14) 1,2-Dichlorobenzene	8.07	146	730998	43.518	ng	99
15) Benzyl Alcohol	7.97	79	518211	44.954	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.25	45	751914	46.170	ng	95
17) 2-Methylphenol	8.16	107	498540	45.285	ng	98
18) Hexachloroethane	8.78	117	263742	41.756	ng	96
19) n-Nitroso-di-n-propylamine	8.53	70	438541	42.221	ng	95
20) 3+4-Methylphenols	8.49	107	663547	43.661	ng	98
22) Acetophenone	8.55	105	918586	43.731	ng	97
24) Nitrobenzene	8.93	77	680549	47.221	ng	98
25) Isophorone	9.45	82	1138800	51.343	ng	99
26) 2-Nitrophenol	9.63	139	353030	50.659	ng	97
27) 2,4-Dimethylphenol	9.69	122	553219	52.963	ng	100
28) bis(2-Chloroethoxy)methane	9.93	93	722344	47.143	ng	99
29) 2,4-Dichlorophenol	10.16	162	591621	47.566	ng	98
30) 1,2,4-Trichlorobenzene	10.37	180	686936	44.496	ng	99
31) Naphthalene	10.56	128	2010197	49.156	ng	100
32) Benzoic acid	9.80	122	142006m	23.959	ng	
33) 4-Chloroaniline	10.69	127	45834	2.846	ng	99
34) Hexachlorobutadiene	10.82	225	406702	41.700	ng	99
35) Caprolactam	11.49	113	120277m	28.443	ng	
36) 4-Chloro-3-methylphenol	11.80	107	573907	43.981	ng	98
37) 2-Methylnaphthalene	12.17	142	1416983	49.042	ng	100
38) 1-Methylnaphthalene	12.40	142	1334490	47.735	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.54	216	723082	48.739	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.51	237	840556	103.234	ng	100
43) 2,4,6-Trichlorophenol	12.79	196	452537	50.231	ng	99
44) 2,4,5-Trichlorophenol	12.86	196	475582	50.194	ng	98
46) 1,1'-Biphenyl	13.19	154	1757723	47.451	ng	99
47) 2-Chloronaphthalene	13.24	162	1350995	47.031	ng	99
48) 2-Nitroaniline	13.46	65	324450	45.910	ng	96
49) Acenaphthylene	14.09	152	2116292	50.554	ng	99
50) Dimethylphthalate	13.83	163	1569427	45.044	ng	99
51) 2,6-Dinitrotoluene	13.96	165	348055	47.159	ng	94
52) Acenaphthene	14.43	154	1212821	47.351	ng	98
53) 3-Nitroaniline	14.29	138	36926	4.963	ng	97
54) 2,4-Dinitrophenol	14.50	184	167945	45.453	ng	90
55) Dibenzofuran	14.77	168	1936343	45.754	ng	99
56) 4-Nitrophenol	14.60	139	482387	75.045	ng	97
57) 2,4-Dinitrotoluene	14.75	165	465669	44.594	ng	98
58) Fluorene	15.42	166	1521938	48.275	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.99	232	405999	48.342	ng	97
60) Diethylphthalate	15.20	149	1532675	43.574	ng	100
61) 4-Chlorophenyl-phenylether	15.42	204	787930	43.364	ng	96
62) 4-Nitroaniline	15.46	138	250233	30.833	ng	96
63) Azobenzene	15.71	77	1288815	44.942	ng	97
65) 4,6-Dinitro-2-methylphenol	15.50	198	165122	32.295	ng	93
66) n-Nitrosodiphenylamine	15.63	169	1306192	49.263	ng	99
67) 4-Bromophenyl-phenylether	16.31	248	458229	47.905	ng	98
68) Hexachlorobenzene	16.42	284	504618	47.124	ng	98
69) Atrazine	16.59	200	432707	45.142	ng	99
70) Pentachlorophenol	16.76	266	549439	78.345	ng	98
71) Phenanthrene	17.16	178	2271663	49.965	ng	100
72) Anthracene	17.25	178	2275629	52.051	ng	100
73) Carbazole	17.53	167	2012869	44.813	ng	99
74) Di-n-butylphthalate	18.09	149	2367572	48.121	ng	99
75) Fluoranthene	19.18	202	2464703	47.021	ng	99
77) Benzidine	19.38	184	189318	9.639	ng	99
78) Pyrene	19.54	202	2521142	53.468	ng	99
80) Butylbenzylphthalate	20.44	149	1004410	49.920	ng	99
81) Benzo(a)anthracene	21.29	228	2393192	51.067	ng	100
82) 3,3'-Dichlorobenzidine	21.23	252	175038	9.877	ng	99
83) Chrysene	21.34	228	2268541	50.129	ng	99
84) Bis(2-ethylhexyl)phthalate	21.22	149	1385678	47.693	ng	100
85) Di-n-octyl phthalate	22.10	149	2345742	48.003	ng	96
86) Indeno(1,2,3-cd)pyrene	25.86	276	3047617	58.403	ng	98
88) Benzo(b)fluoranthene	22.89	252	2414134	50.564	ng	99
89) Benzo(k)fluoranthene	22.93	252	2386791	49.605	ng	99
90) Benzo(a)pyrene	23.47	252	2375394	51.969	ng	99
91) Dibenzo(a,h)anthracene	25.87	278	2561867	55.316	ng	99
92) Benzo(g,h,i)perylene	26.57	276	2531697	56.174	ng	99

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

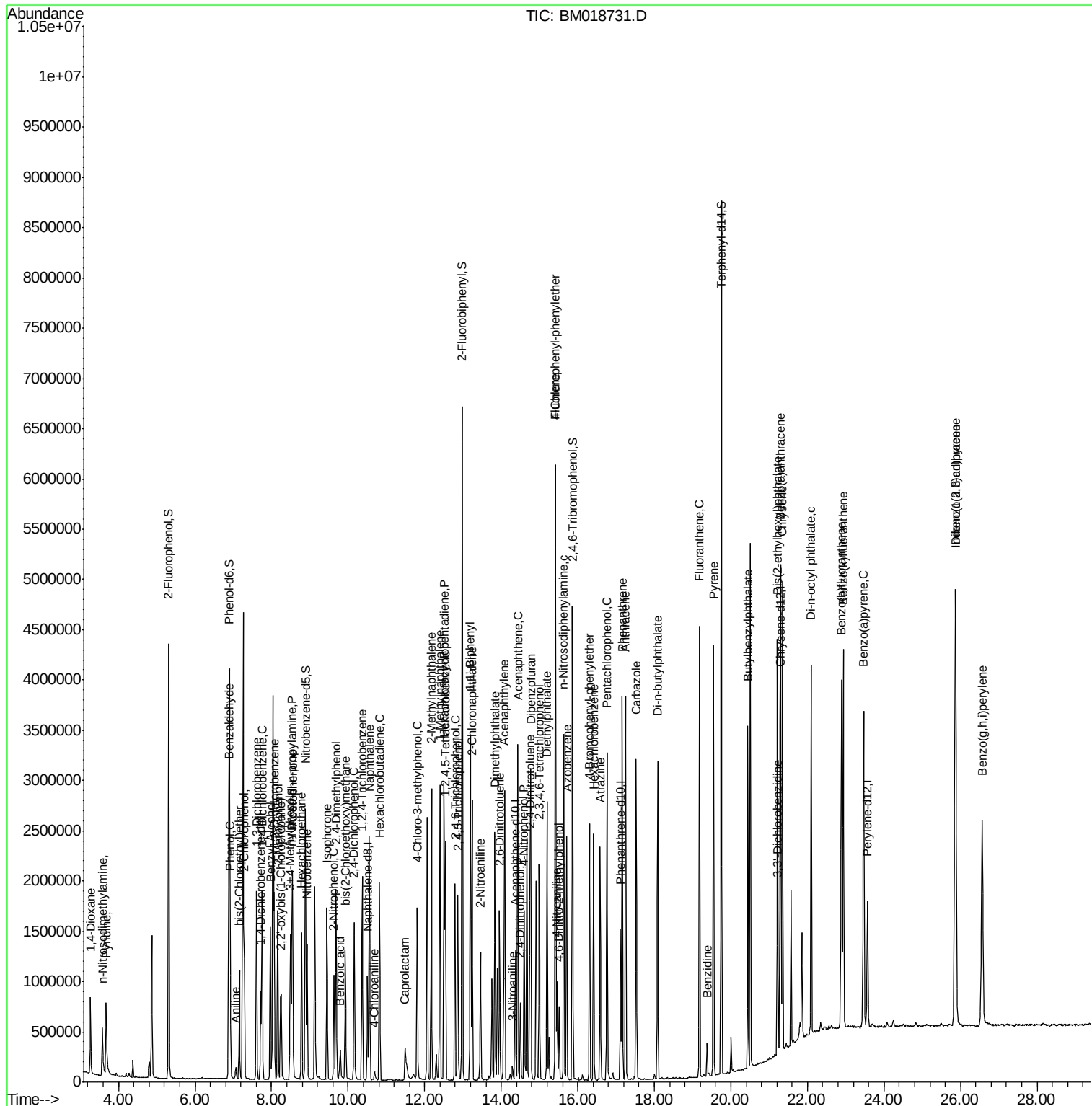
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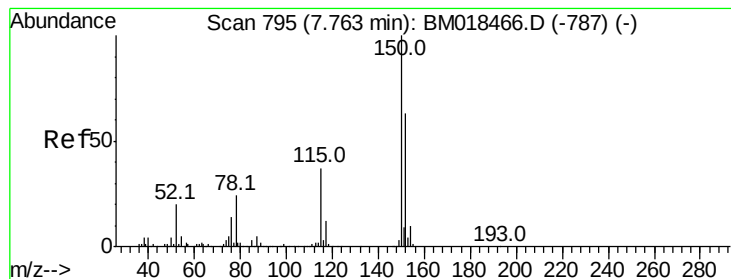
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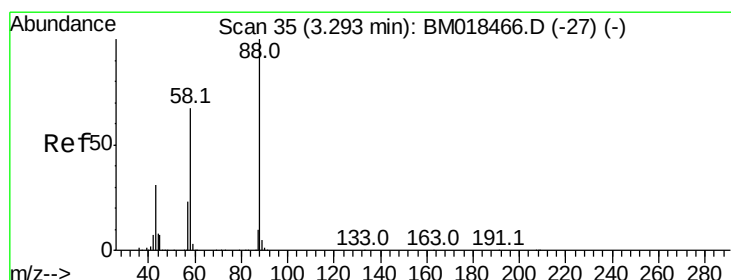
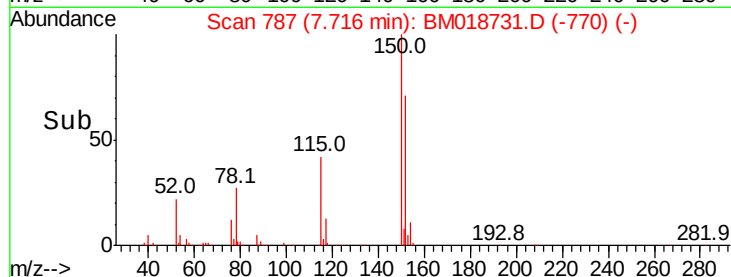
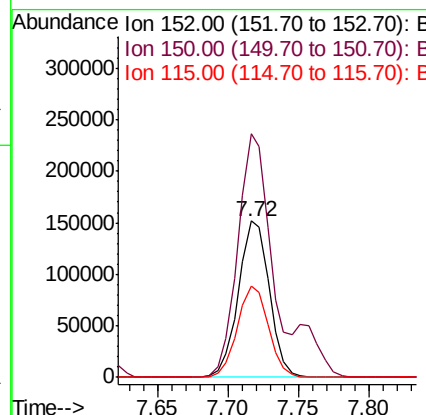
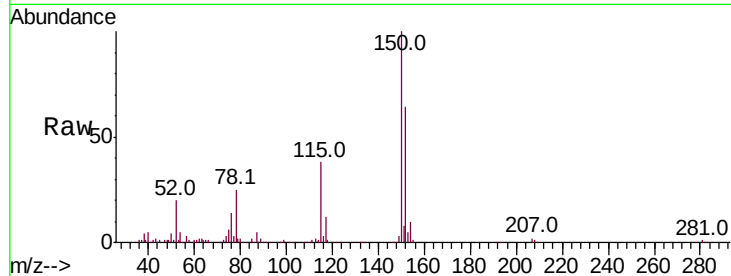
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.72 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

Instrument :
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 OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.9	190.3
115	58.5	45.5	68.3

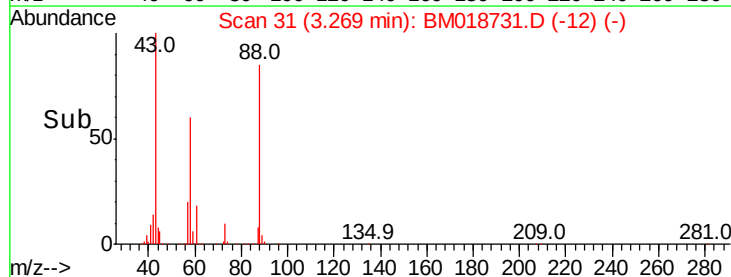
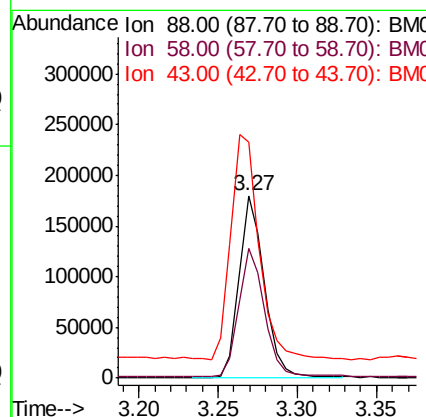
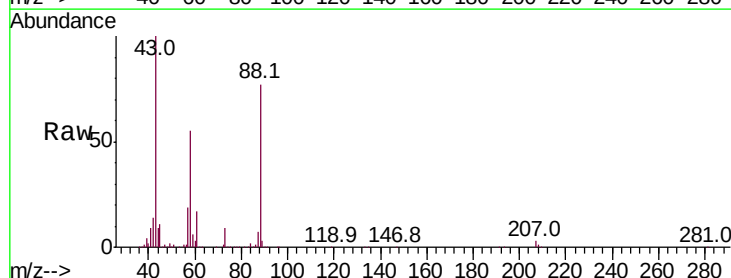
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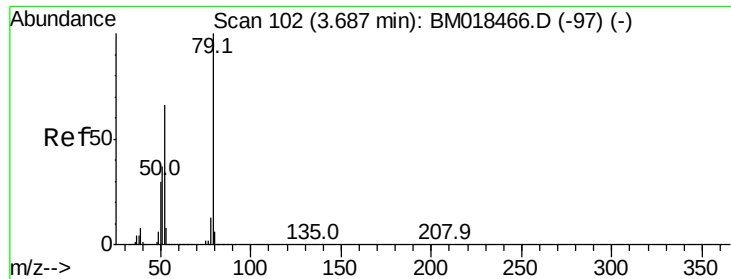
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#2
 1,4-Dioxane
 Concen: 38.599 ng
 RT: 3.27 min Scan# 31
 Delta R.T. 0.01 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.5	58.4	87.6
43	138.3	26.2	39.4#





#3

Pvridine

Concen: 33.713 ng

RT: 3.68 min Scan# 100

Delta R.T. 0.02 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

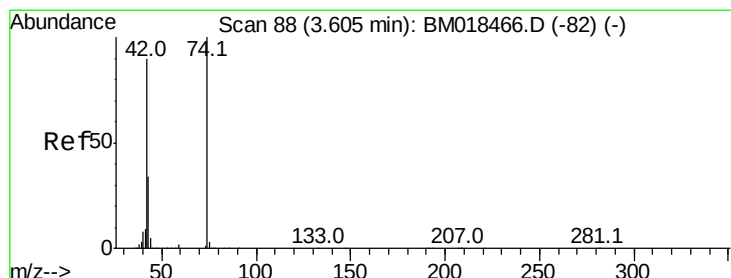
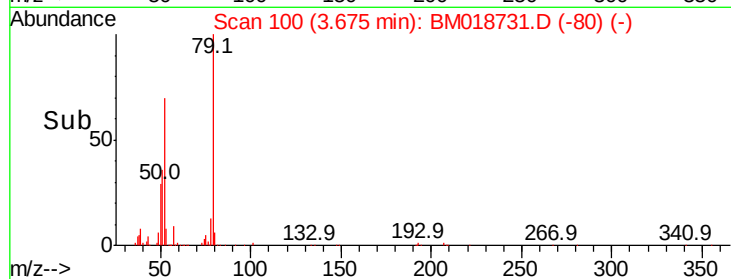
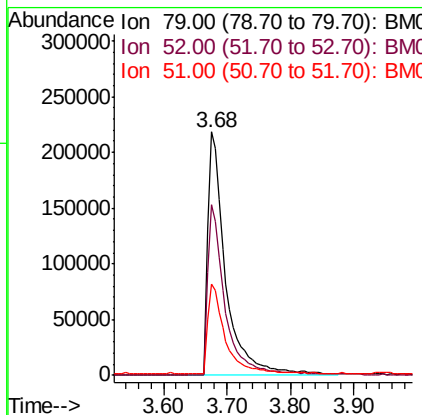
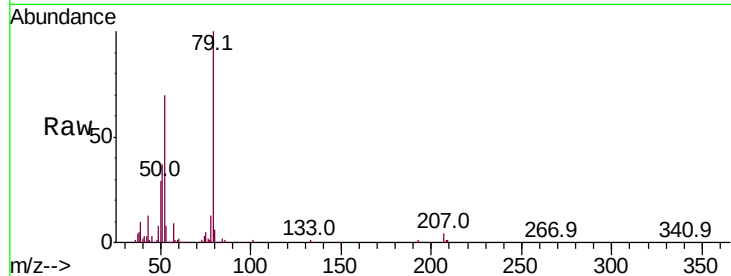
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	79	Resp:	430487
Ion Ratio	Lower	Upper	
79	100		
52	70.2	56.4	84.6
51	37.3	31.0	46.4

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#4

n-Nitrosodimethylamine

Concen: 52.036 ng

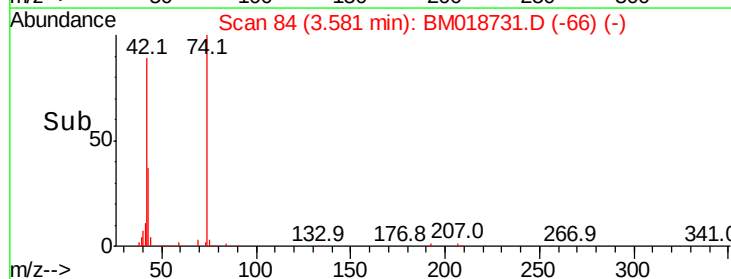
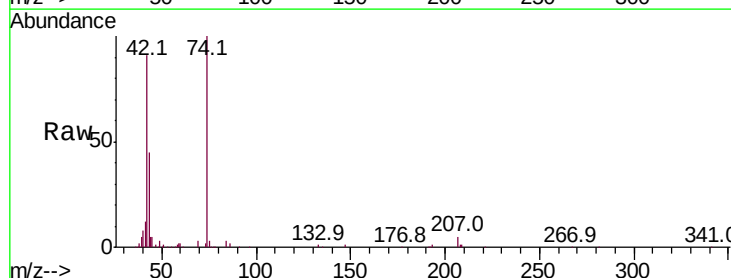
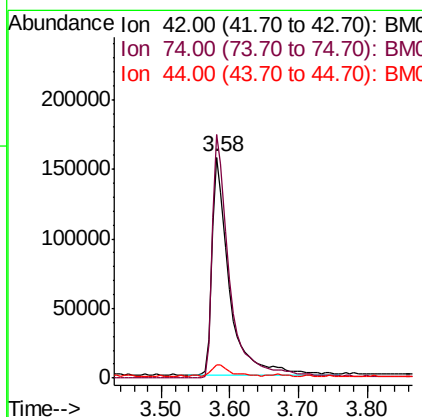
RT: 3.58 min Scan# 84

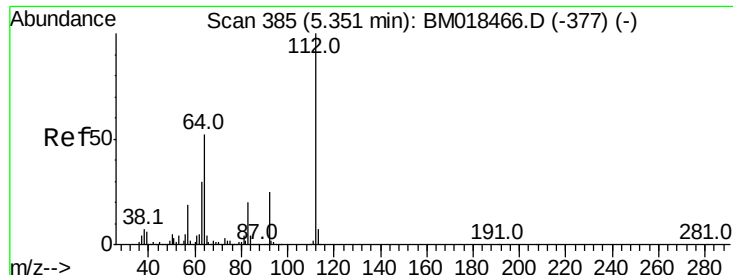
Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	42	Resp:	274757
Ion Ratio	Lower	Upper	
42	100		
74	110.3	88.6	132.8
44	5.8	16.9	25.3#





#5

2-Fluorophenol

Concen: 145.762 ng

RT: 5.31 min Scan# 378

Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

ClientSampleId :

OR-02-013119-AMSD

Tot Ion:112 Resp: 1831667

Ion Ratio Lower Upper

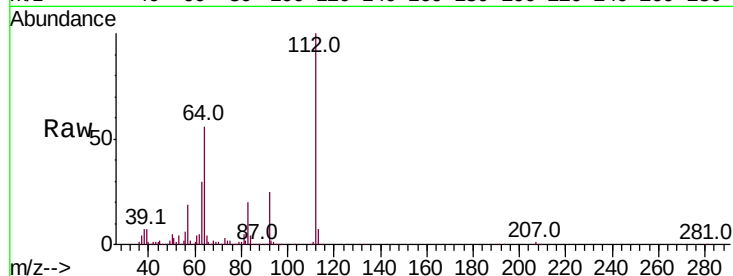
112 100

64 55.8 46.5 69.7

63 30.4 25.2 37.8

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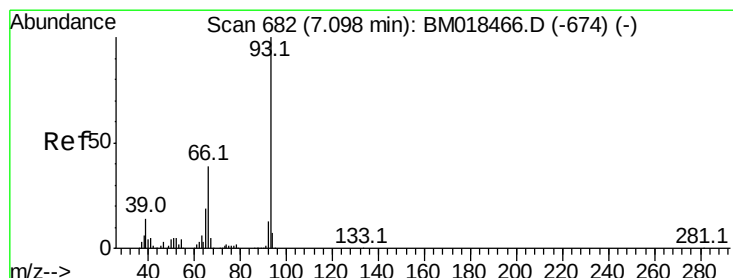
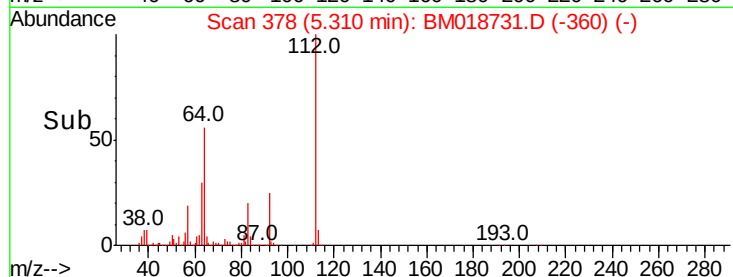
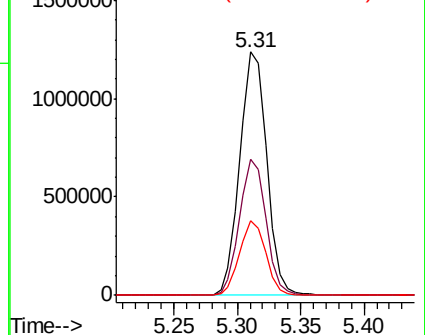
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 4.445 ng

RT: 7.06 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

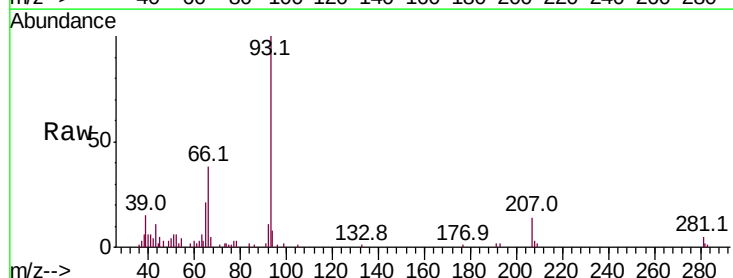
Tgt Ion: 93 Resp: 79138

Ion Ratio Lower Upper

93 100

66 38.0 31.7 47.5

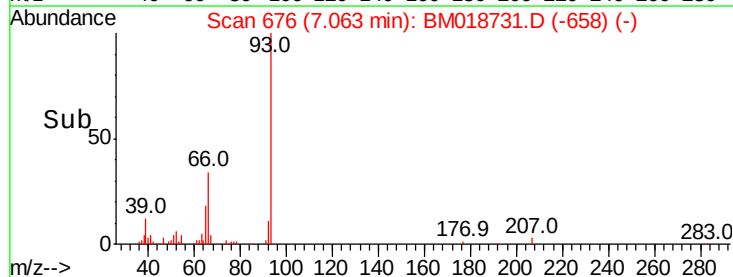
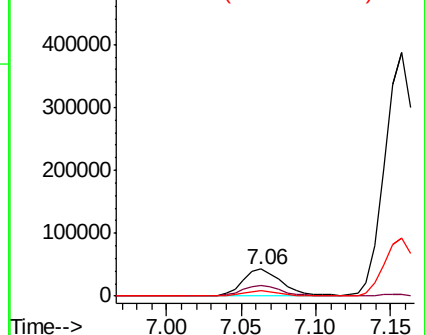
65 21.1 15.9 23.9

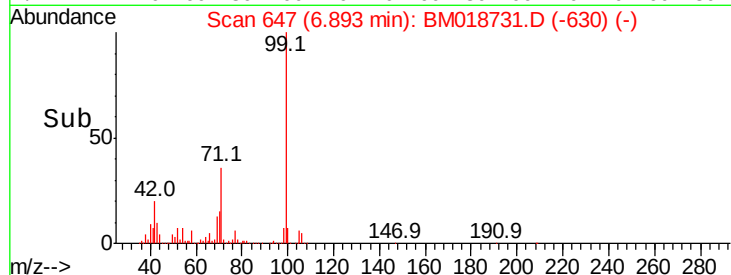
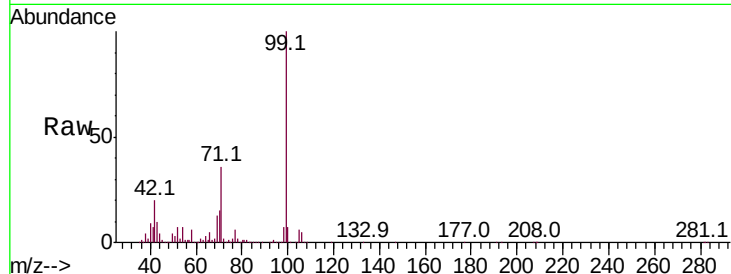
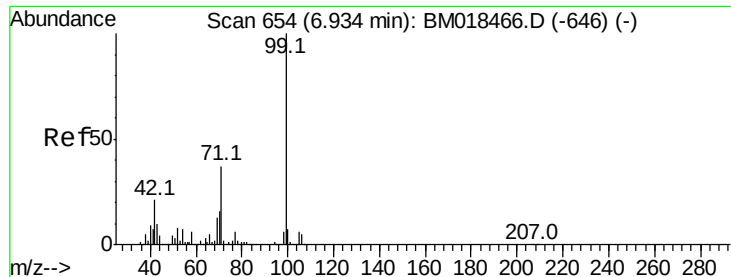


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 133.261 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM018731.D

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Tot Ion:	99	Resp:	2126914
Ion	Ratio	Lower	Upper
99	100		
42	20.0	17.3	25.9
71	35.5	28.0	42.0

Instrument :

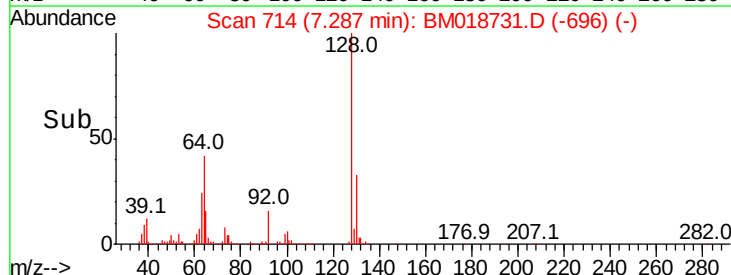
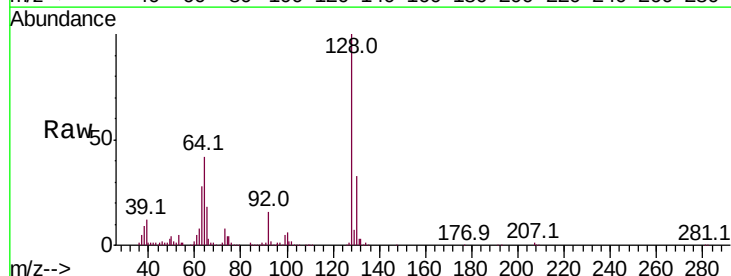
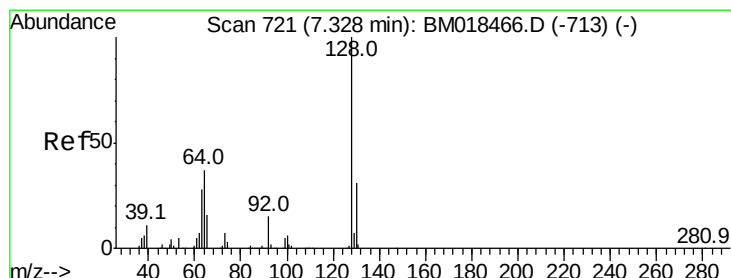
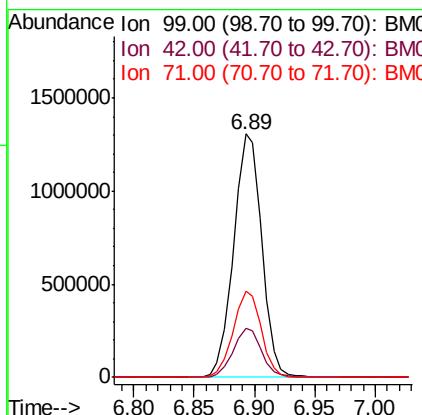
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#8

2-Chlorophenol

Concen: 46.358 ng

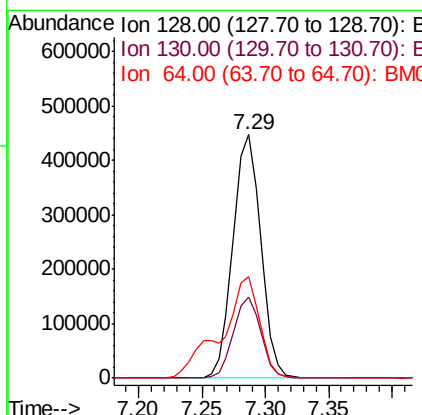
RT: 7.29 min Scan# 714

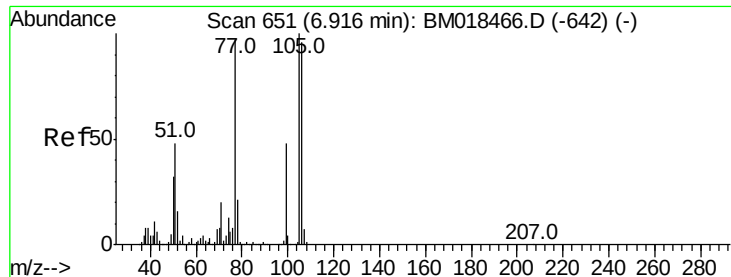
Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	128	Resp:	680364
Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.6	53.6
64	41.9	24.8	64.8





#9

Benzaldehyde

Concen: 42.738 ng

RT: 6.87 min Scan# 644

Delta R.T. 0.00 min

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Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

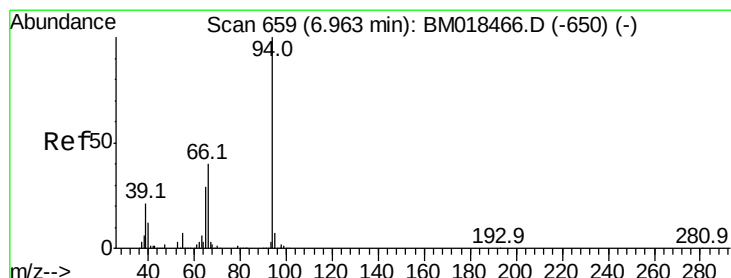
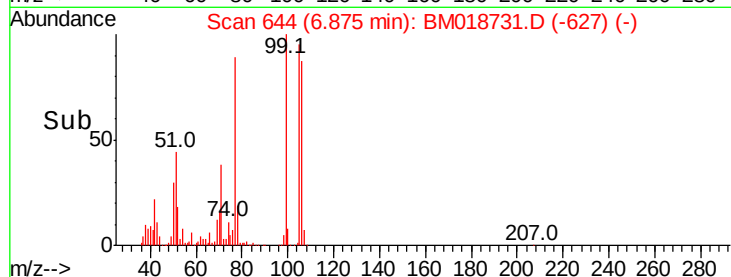
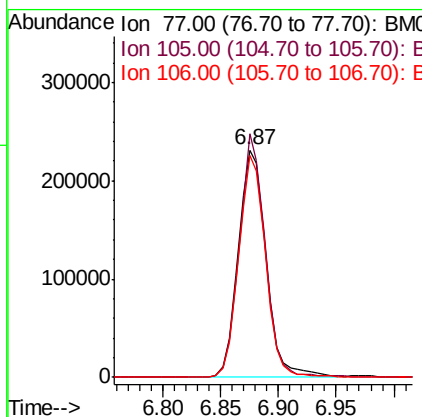
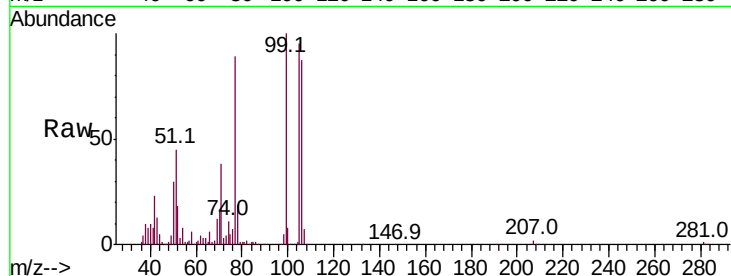
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
77	100		
105	107.0	79.7	119.7
106	97.3	75.2	115.2

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#10

Phenol

Concen: 40.630 ng

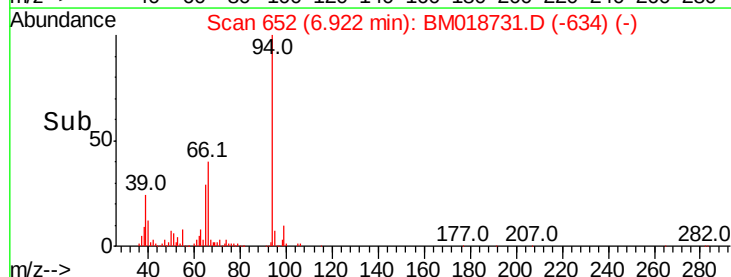
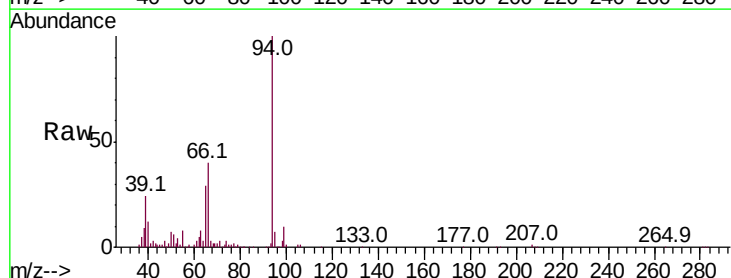
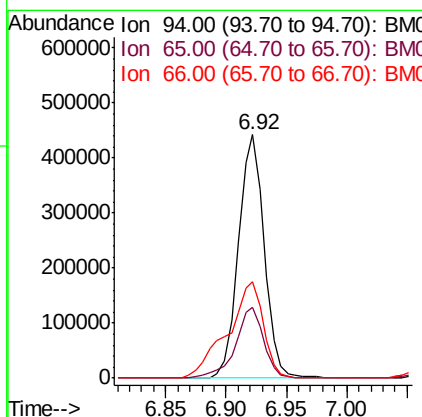
RT: 6.92 min Scan# 652

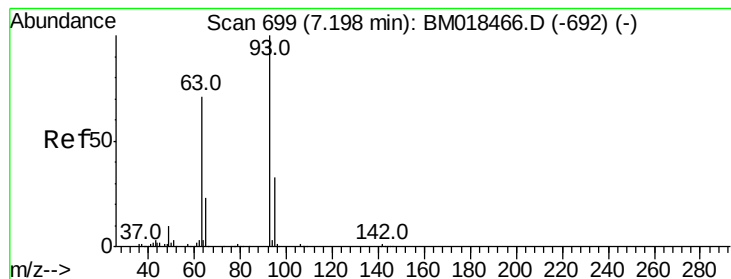
Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.2	9.4	49.4
66	39.8	19.1	59.1





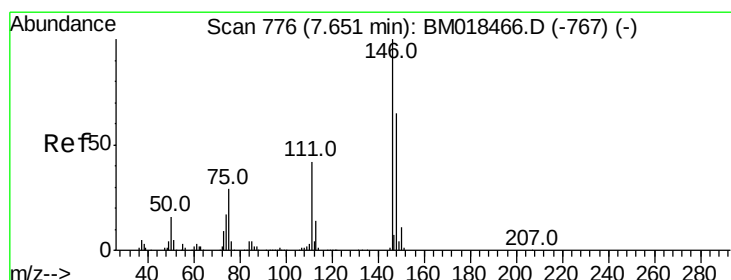
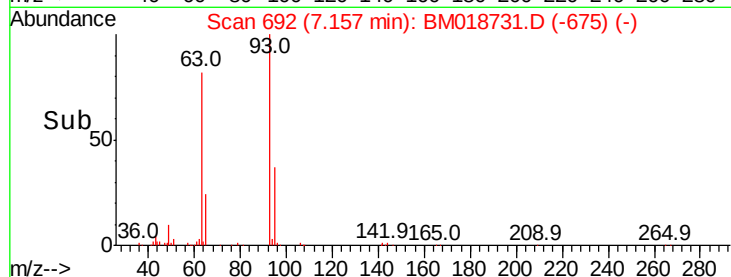
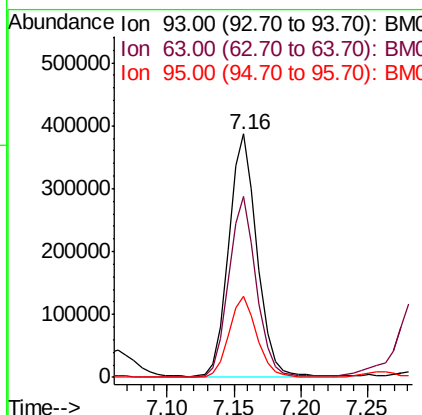
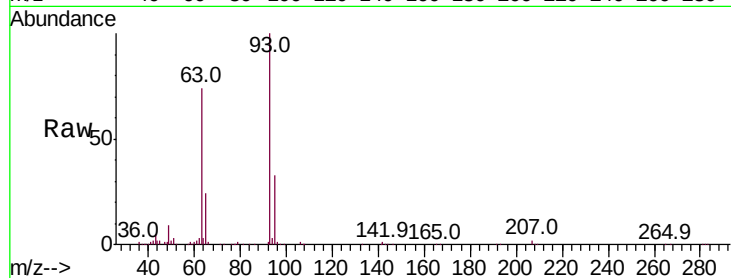
#11
bis(2-Chloroethyl)ether
Concen: 44.520 ng
RT: 7.16 min Scan# 692
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.5	56.4	96.4
95	33.4	12.7	52.7

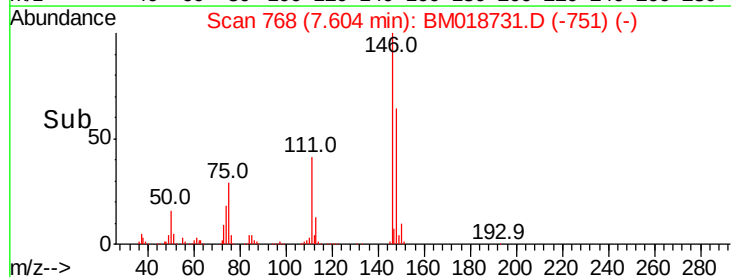
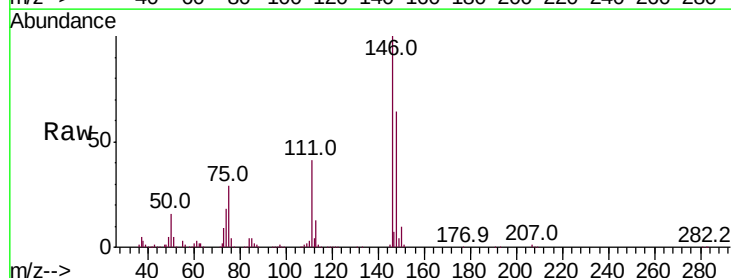
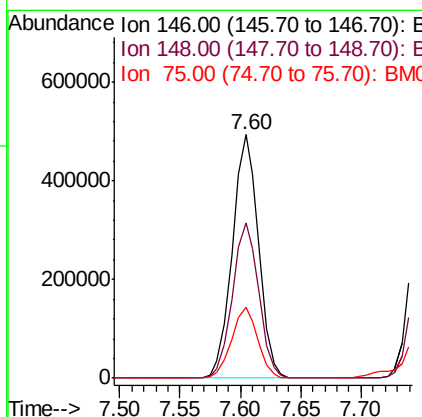
Manual Integrations
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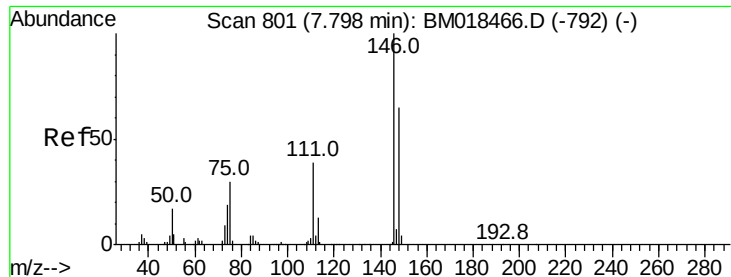
mohammad
2/5/2019 8:41:40 AM



#12
1,3-Dichlorobenzene
Concen: 42.542 ng
RT: 7.60 min Scan# 768
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
75	28.9	23.0	34.6





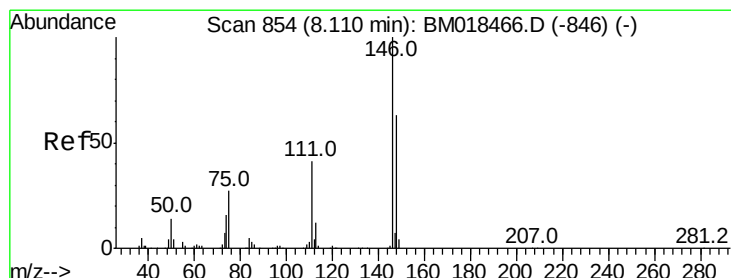
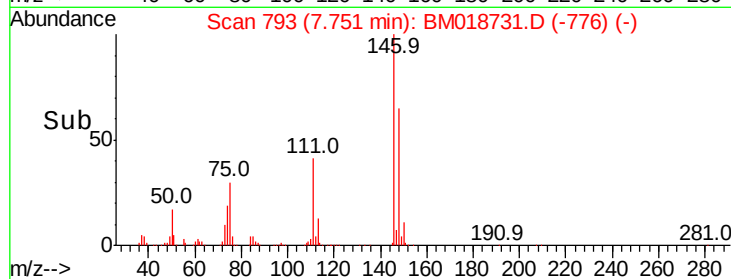
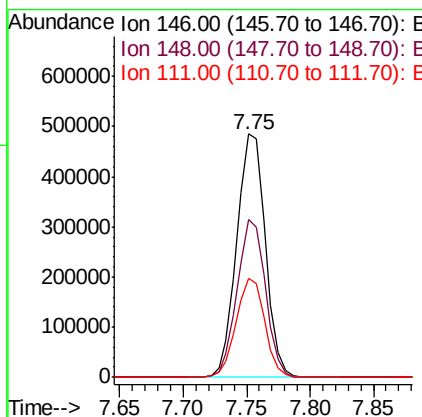
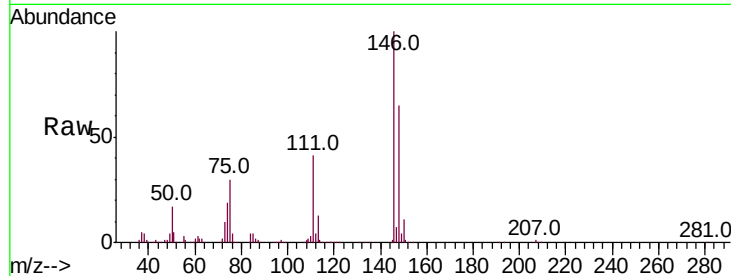
#13
1,4-Dichlorobenzene
Concen: 42.832 ng
RT: 7.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.8	76.2
111	40.5	32.2	48.2

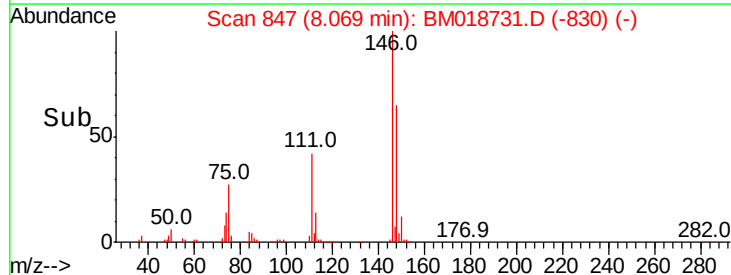
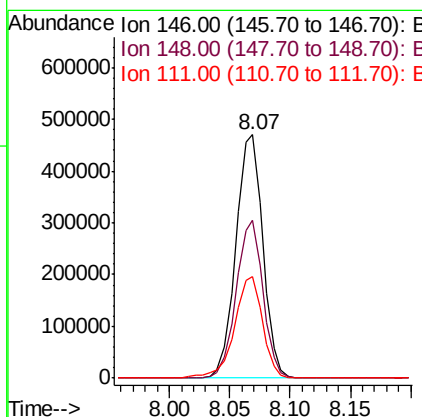
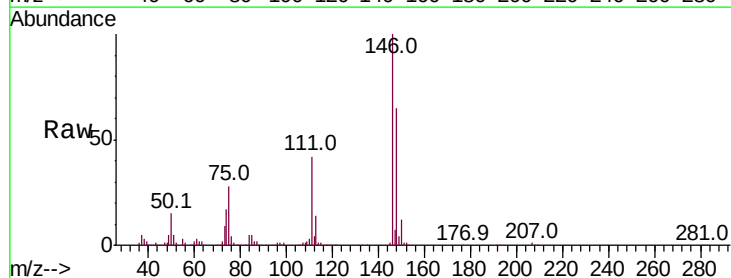
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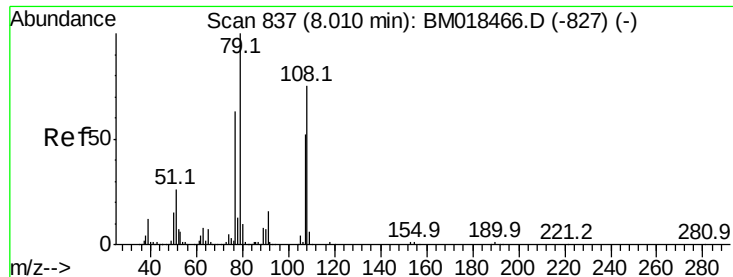
mohammad
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#14
1,2-Dichlorobenzene
Concen: 43.518 ng
RT: 8.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.6
111	41.8	33.8	50.6





#15

Benzyl Alcohol

Concen: 44.954 ng

RT: 7.97 min Scan# 830

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

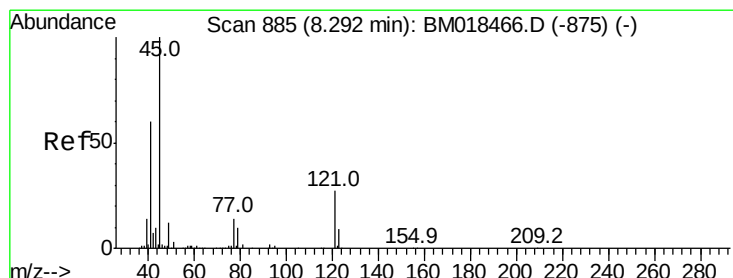
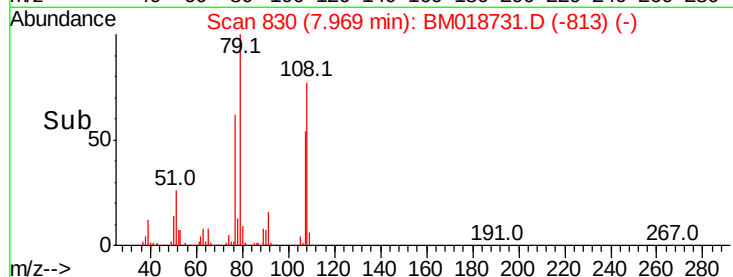
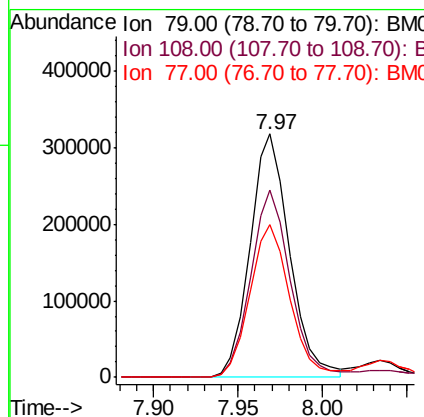
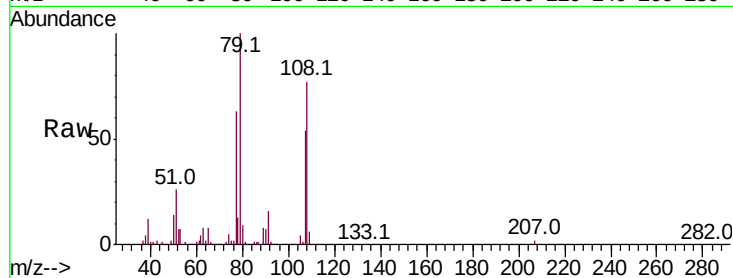
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	79	Resp:	518211
Ion Ratio	Lower	Upper	
79	100		
108	76.7	60.4	90.6
77	62.6	53.4	80.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.170 ng

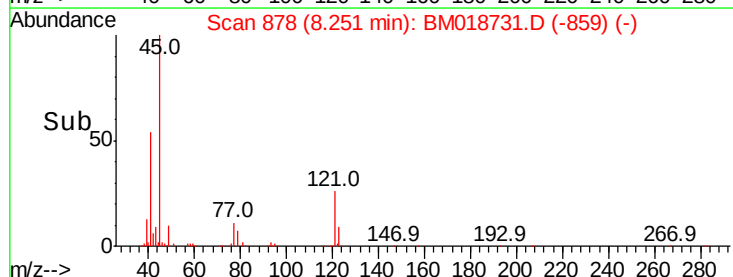
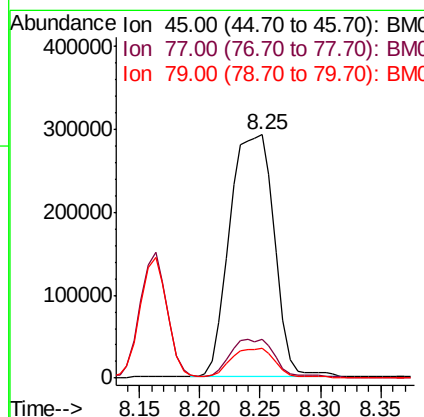
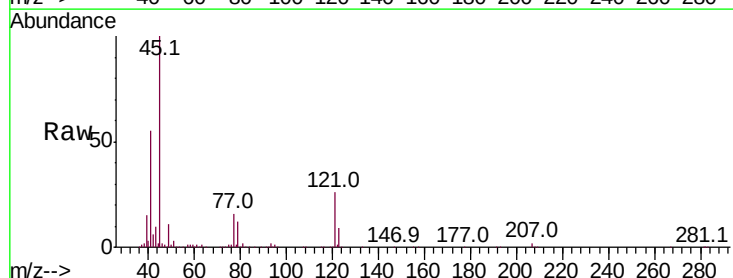
RT: 8.25 min Scan# 878

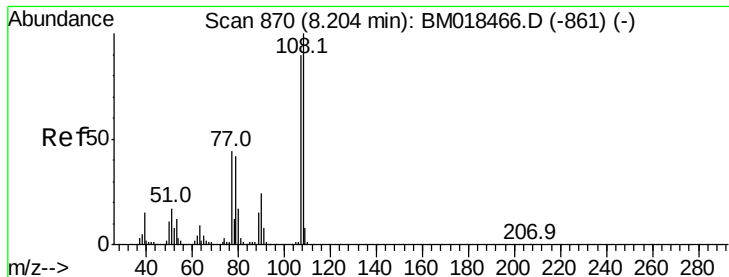
Delta R.T. 0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	45	Resp:	751914
Ion Ratio	Lower	Upper	
45	100		
77	15.9	0.0	33.4
79	12.1	0.0	31.1





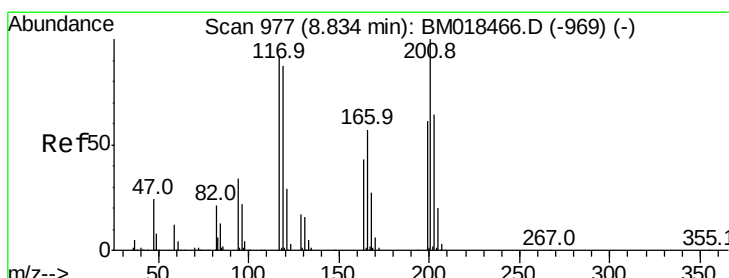
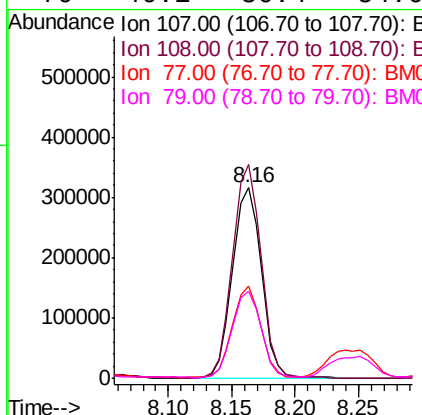
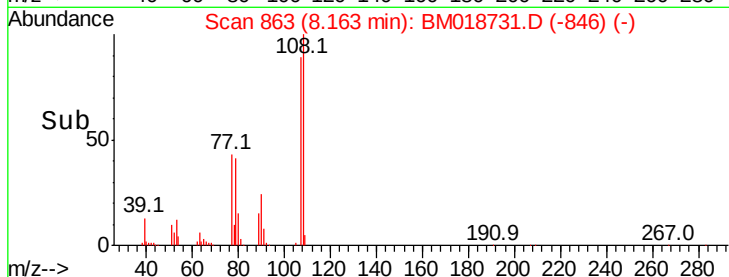
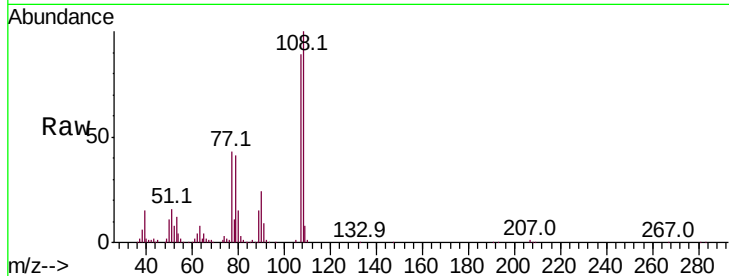
#17
2-Methylphenol
Concen: 45.285 ng
RT: 8.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	87.5	131.3	
77	48.2	37.3	55.9	
79	46.1	36.4	54.6	

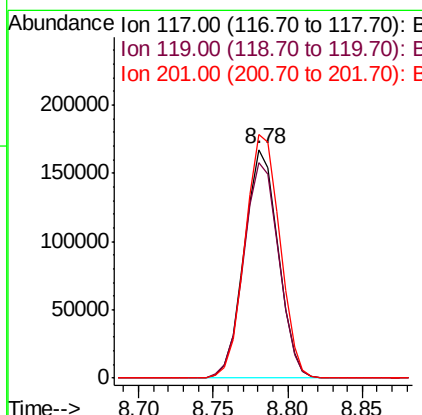
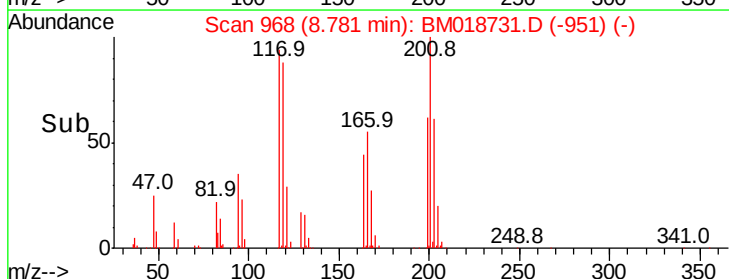
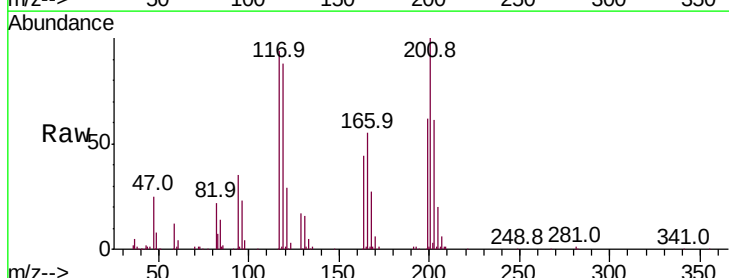
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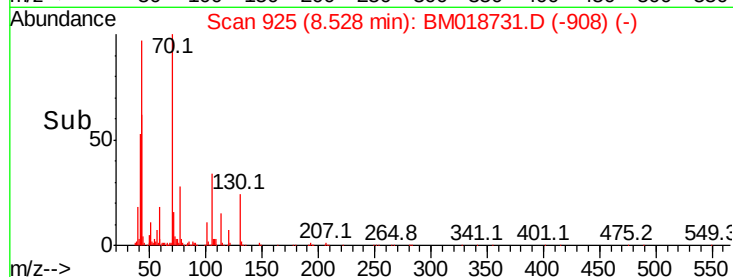
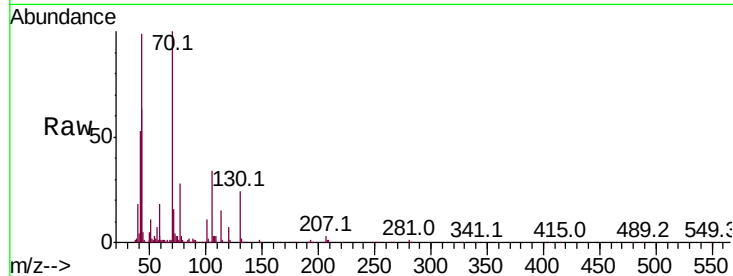
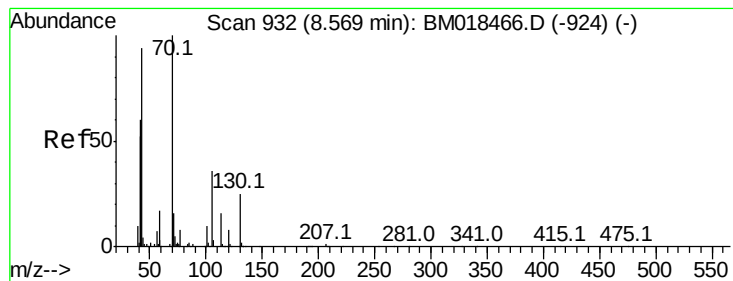
mohammad
2/5/2019 8:41:40 AM



#18
Hexachloroethane
Concen: 41.756 ng
RT: 8.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.1	78.3	117.5	
201	106.6	81.4	122.0	





#19

n-Nitroso-di-n-propylamine

Concen: 42.221 ng

RT: 8.53 min Scan# 925

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	62.6	54.0	81.0		
101	10.6	8.1	12.1		
130	24.3	17.8	26.6		

Instrument :

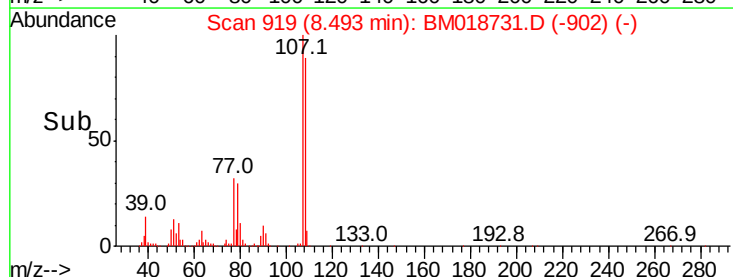
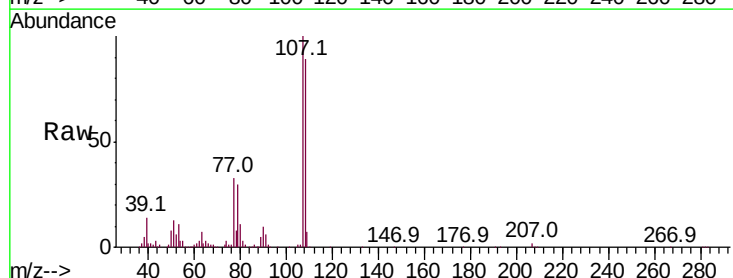
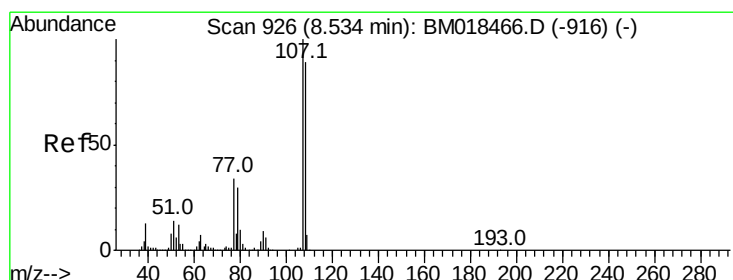
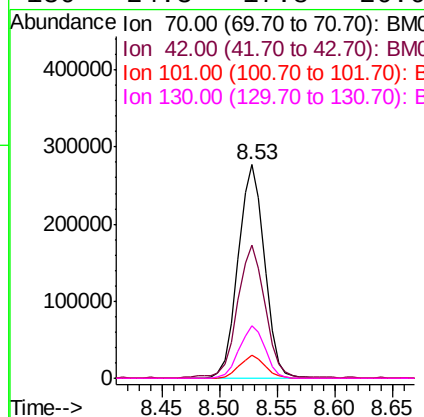
BNA_M

ClientSampleId :

OR-02-013119-AMSD

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#20

3+4-Methylphenols

Concen: 43.661 ng

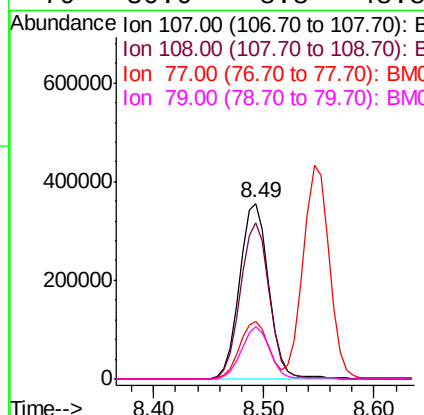
RT: 8.49 min Scan# 919

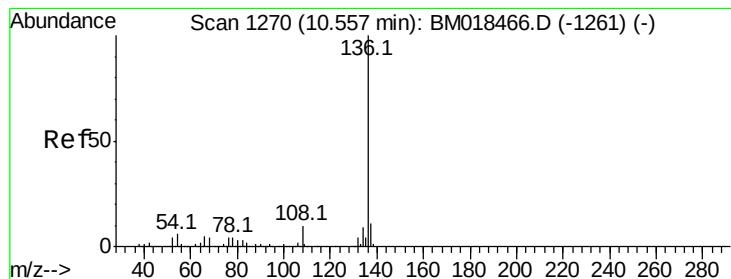
Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.7	66.8	106.8		
77	32.5	13.3	53.3		
79	30.0	8.8	48.8		





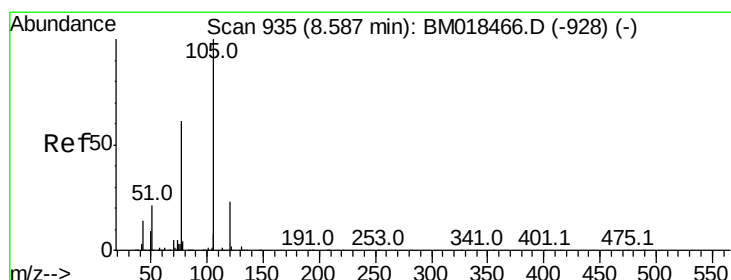
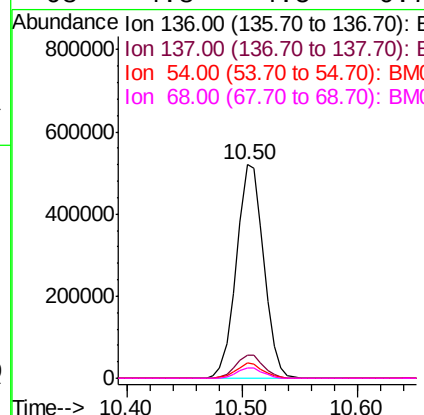
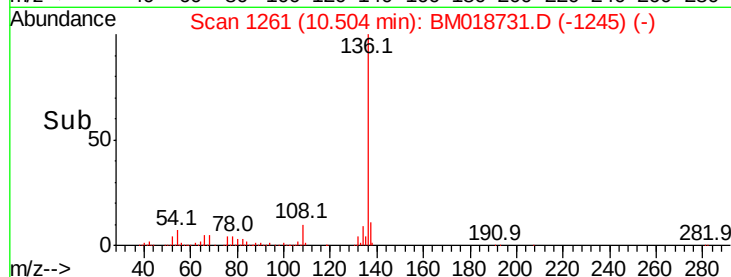
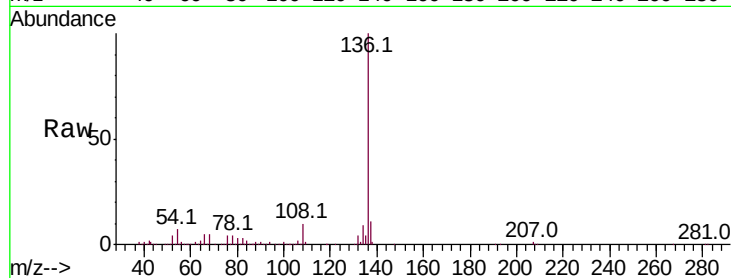
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	7.0	6.0	9.0	
68	4.8	4.5	6.7	

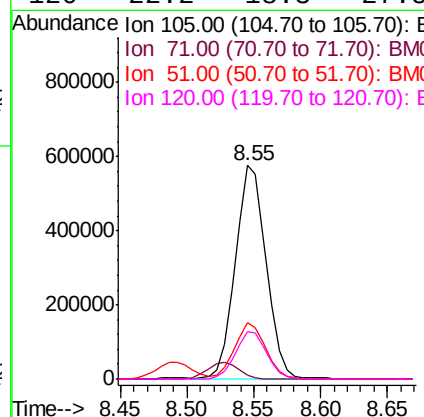
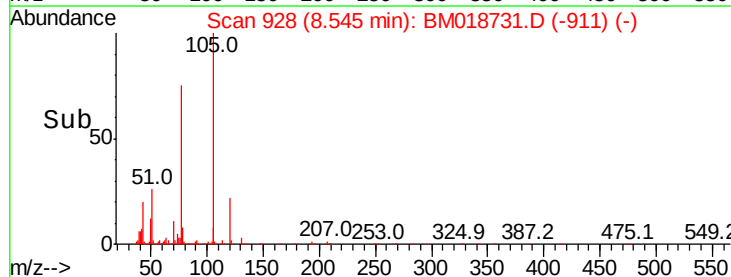
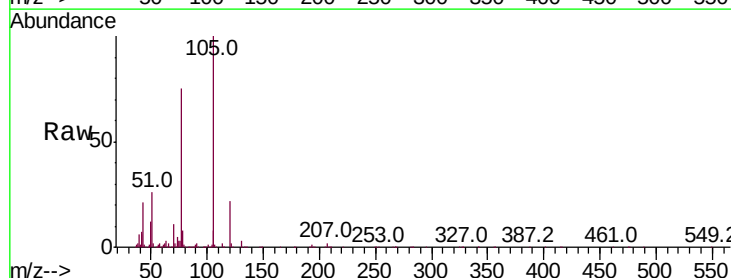
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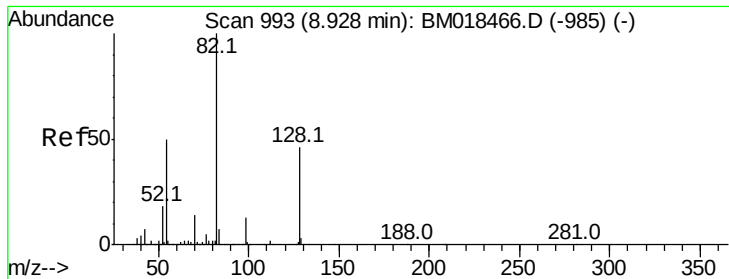
mohammad
2/5/2019 8:41:40 AM



#22
Acetophenone
Concen: 43.731 ng
RT: 8.55 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.7	1.7	2.5	
51	26.4	22.6	34.0	
120	22.2	18.3	27.5	





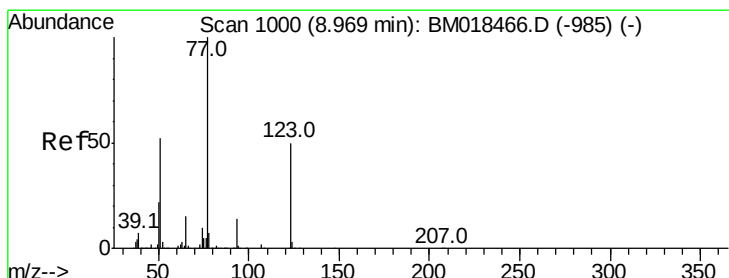
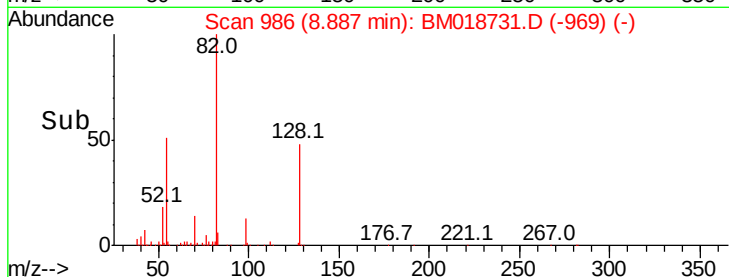
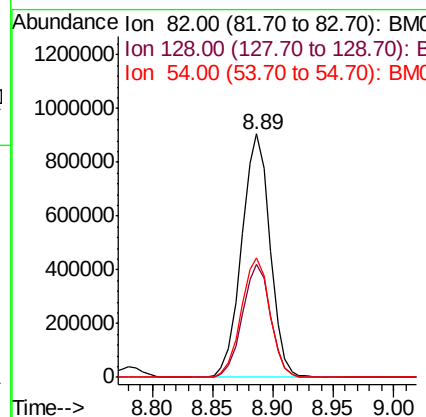
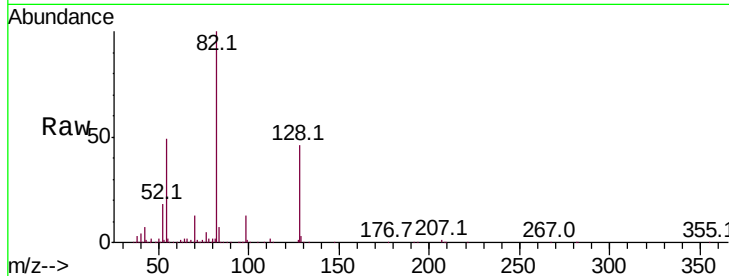
#23
Nitrobenzene-d5
Concen: 101.824 ng
RT: 8.89 min Scan# 986
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.3	54.5
54	49.0	41.7	62.5

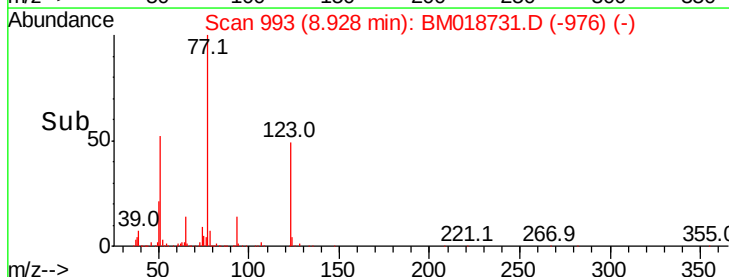
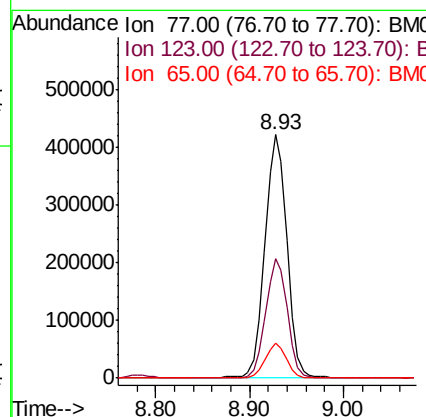
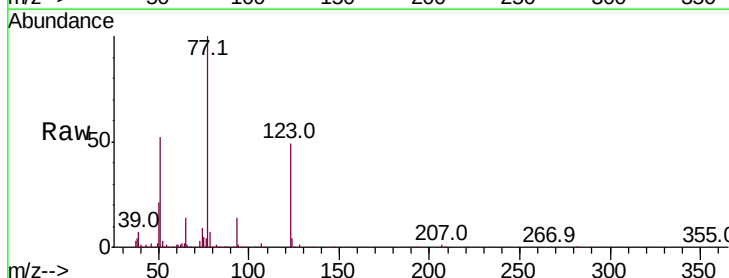
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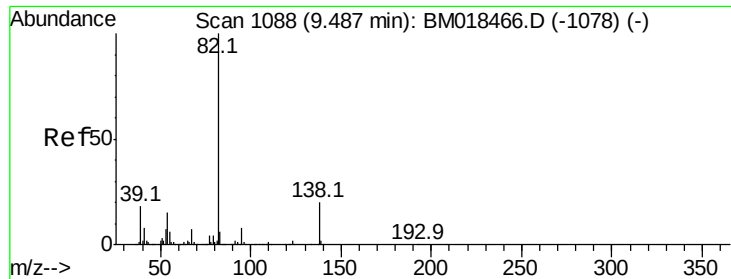
mohammad
2/5/2019 8:41:40 AM



#24
Nitrobenzene
Concen: 47.221 ng
RT: 8.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	37.7	56.5
65	14.3	11.0	16.6





#25

Isophorone

Concen: 51.343 ng

RT: 9.45 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

ClientSampleId :

OR-02-013119-AMSD

Tot Ion: 82 Resp: 1138800

Ion Ratio Lower Upper

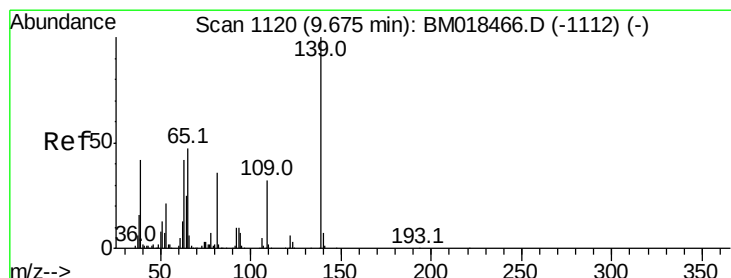
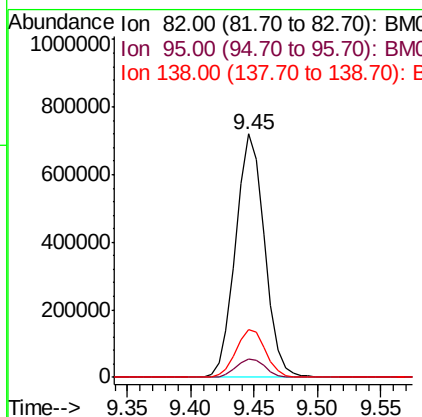
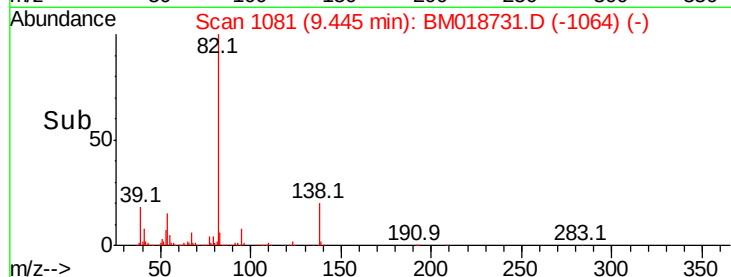
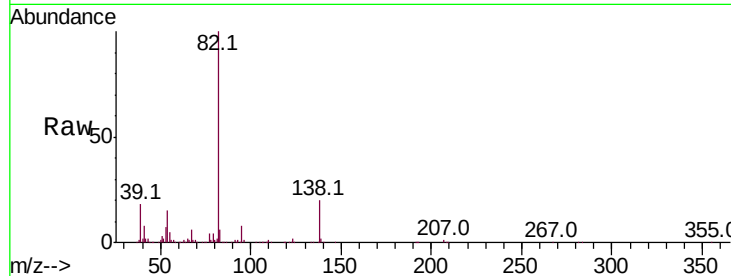
82 100

95 7.7 6.1 9.1

138 19.7 15.1 22.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.659 ng

RT: 9.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

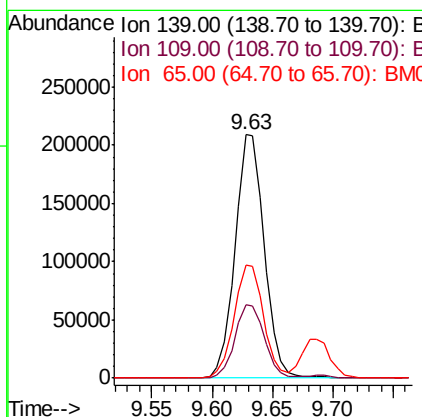
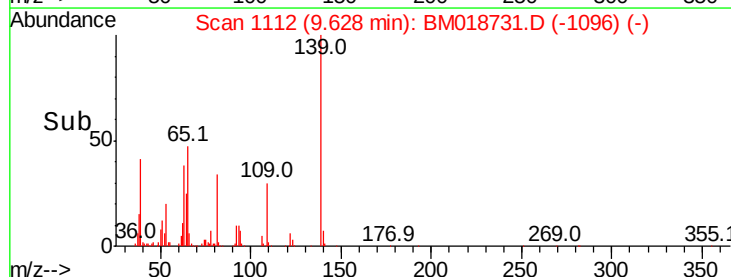
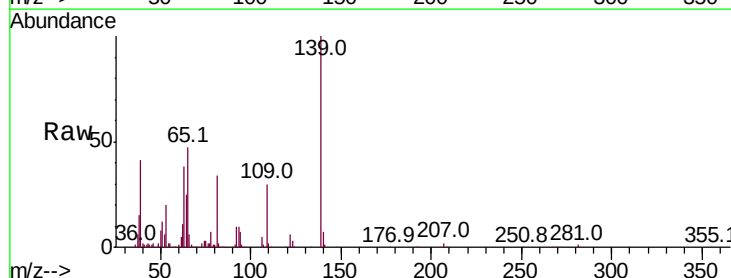
Tgt Ion: 139 Resp: 353030

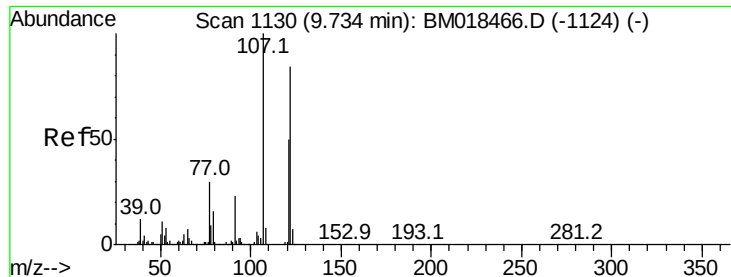
Ion Ratio Lower Upper

139 100

109 30.0 23.4 35.2

65 46.6 39.4 59.2





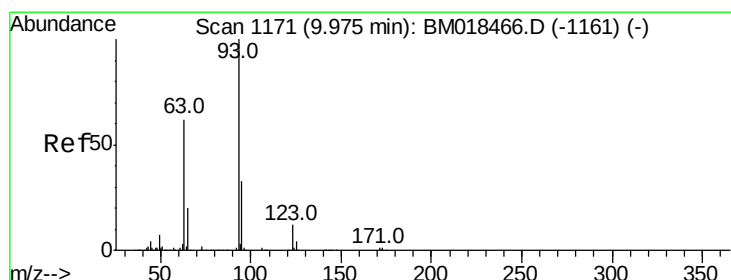
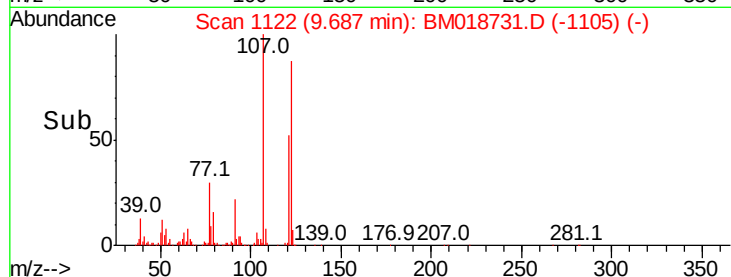
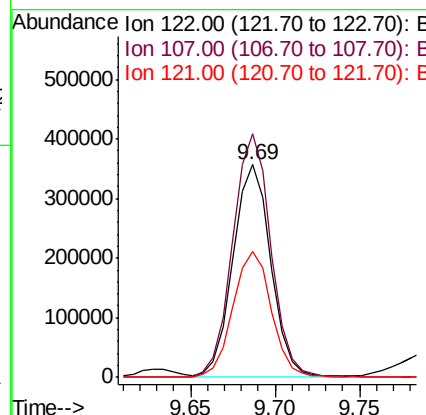
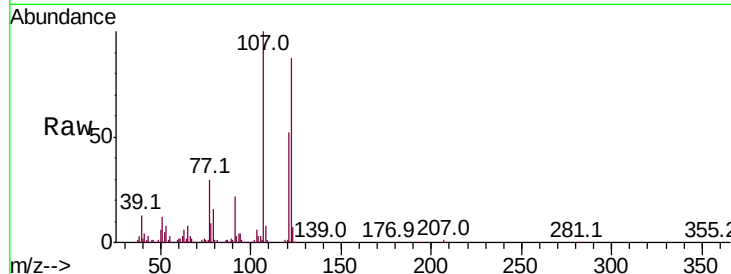
#27
2,4-Dimethylphenol
Concen: 52.963 ng
RT: 9.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.9	137.9
121	59.1	47.5	71.3

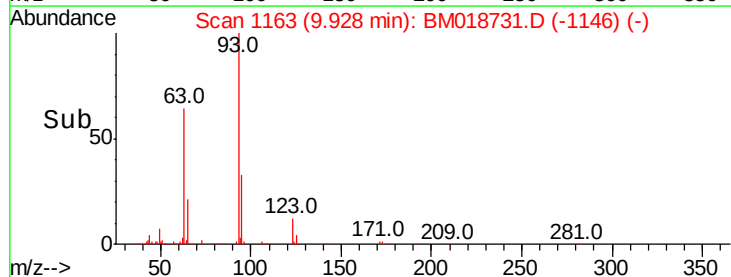
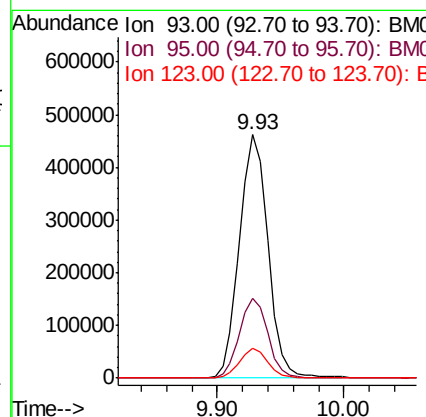
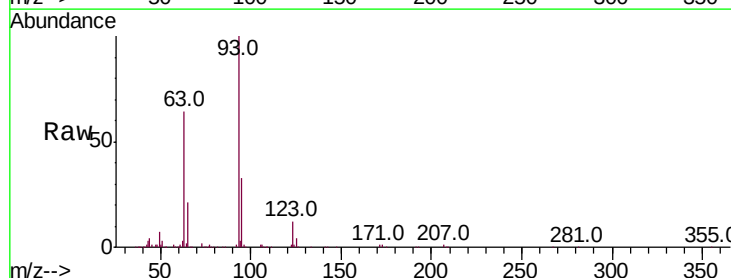
Manual Integrations
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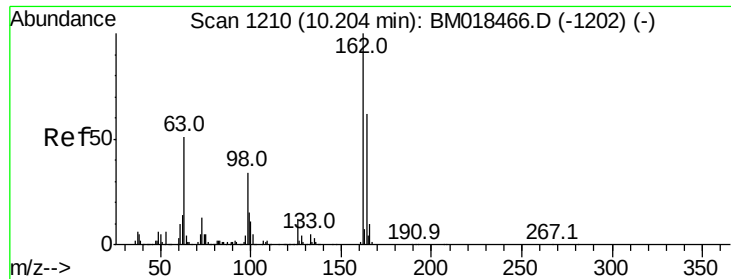
mohammad
2/5/2019 8:41:40 AM



#28
bis(2-Chloroethoxy)methane
Concen: 47.143 ng
RT: 9.93 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	39.8
123	12.2	9.9	14.9





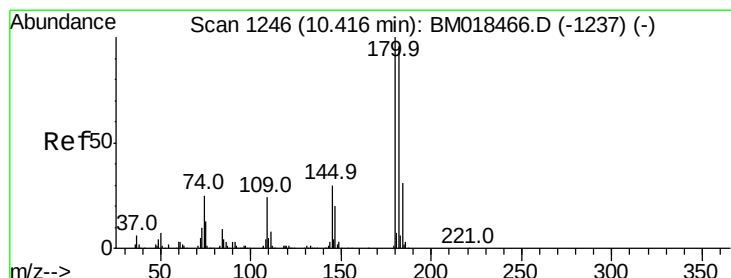
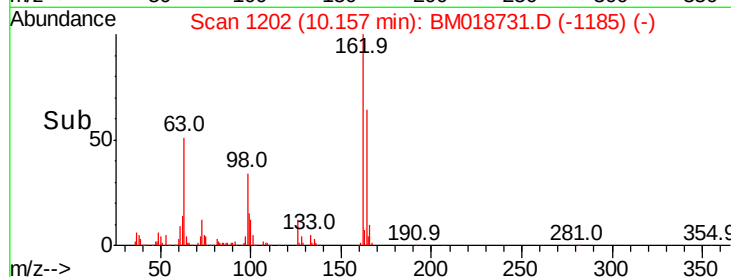
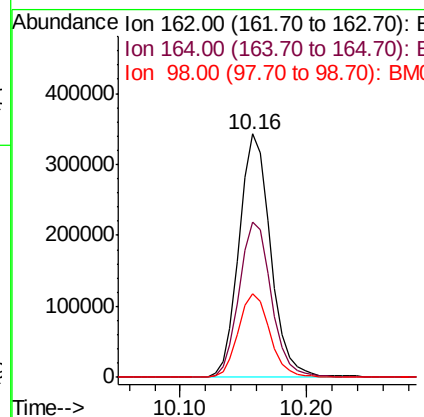
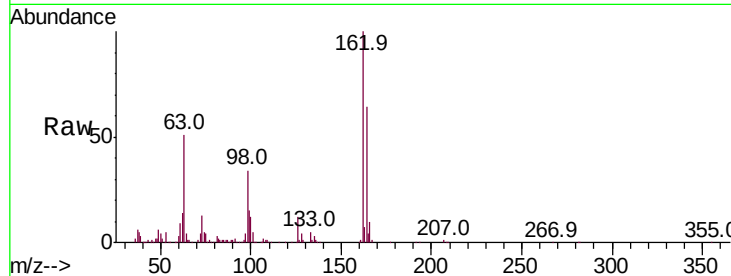
#29
2,4-Dichlorophenol
Concen: 47.566 ng
RT: 10.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	591621		
164	63.5	45.6	85.6	
98	34.3	14.7	54.7	

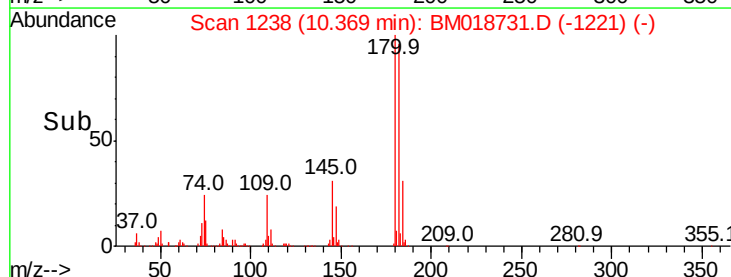
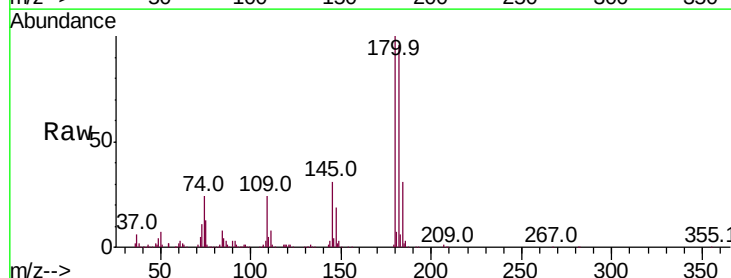
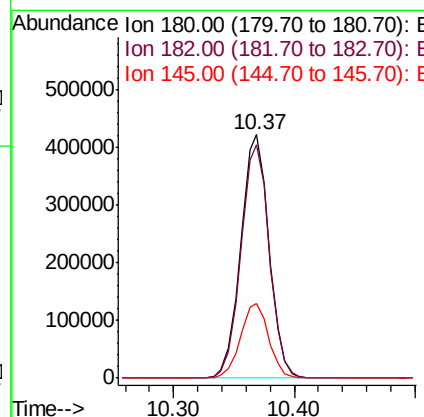
Manual Integrations
APPROVED

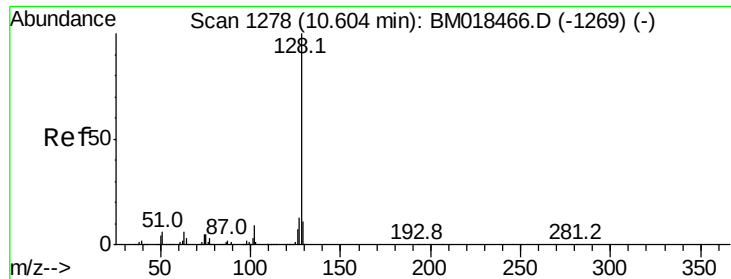
mohammad
2/5/2019 8:41:40 AM



#30
1,2,4-Trichlorobenzene
Concen: 44.496 ng
RT: 10.37 min Scan# 1238
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	686936		
182	96.0	77.4	116.2	
145	30.6	24.6	37.0	





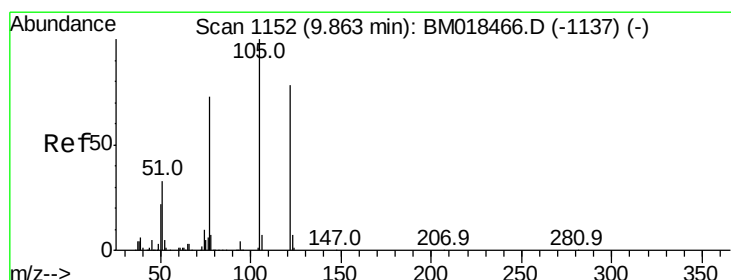
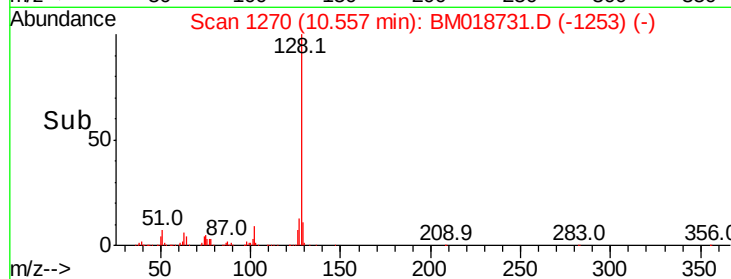
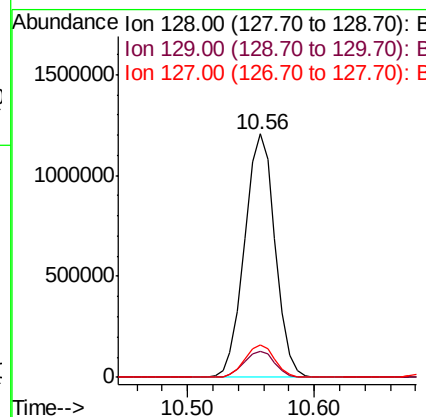
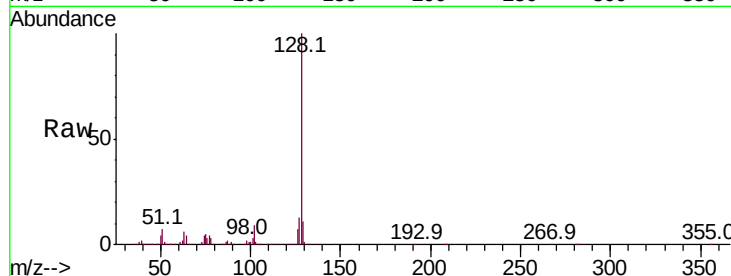
#31
Naphthalene
Concen: 49.156 ng
RT: 10.56 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.8	16.2

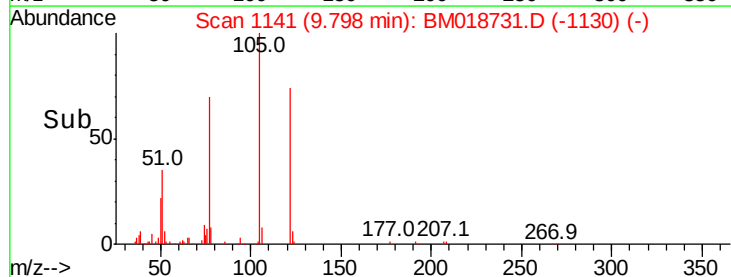
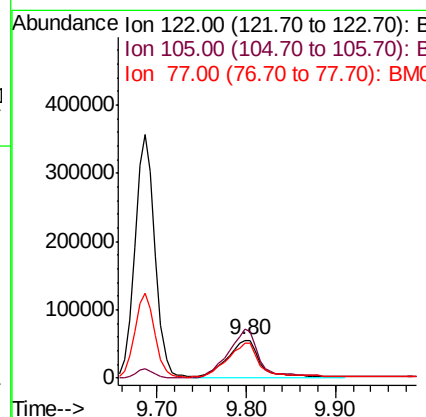
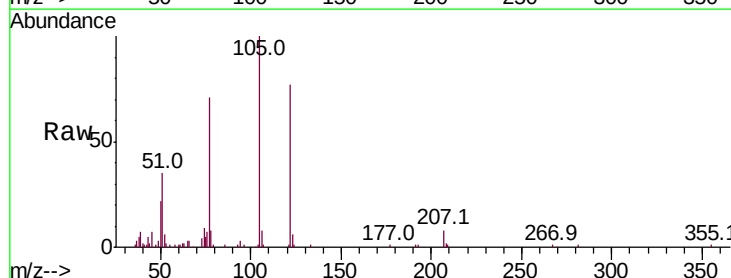
Manual Integrations
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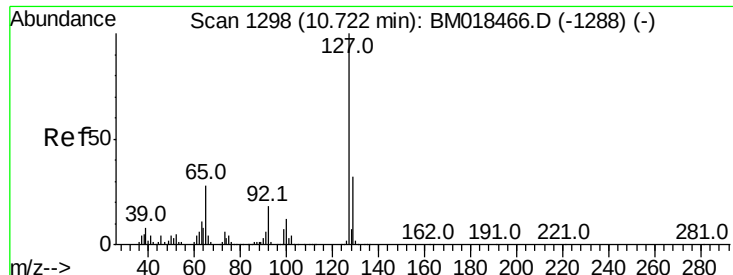
mohammad
2/5/2019 8:41:40 AM



#32
Benzoic acid
Concen: 23.959 ng m
RT: 9.80 min Scan# 1141
Delta R.T. -0.04 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.7	100.4	140.4
77	92.4	71.7	111.7





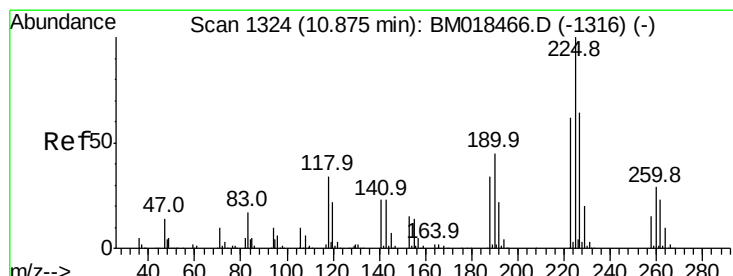
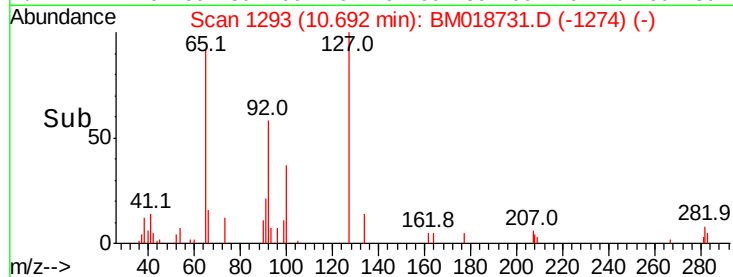
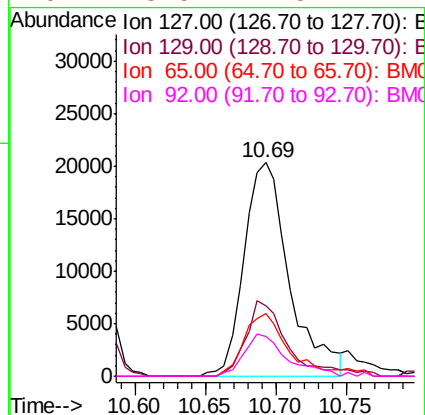
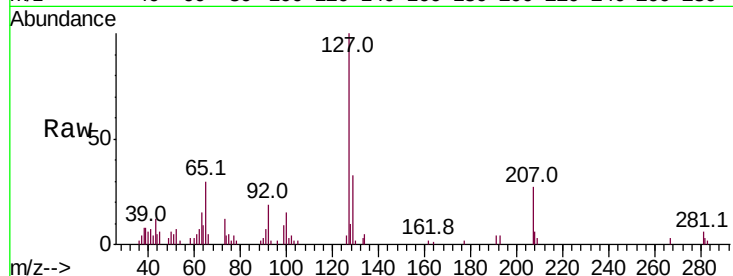
#33
4-Chloroaniline
Concen: 2.846 ng
RT: 10.69 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	29.6	23.4	35.2
92	18.5	14.5	21.7

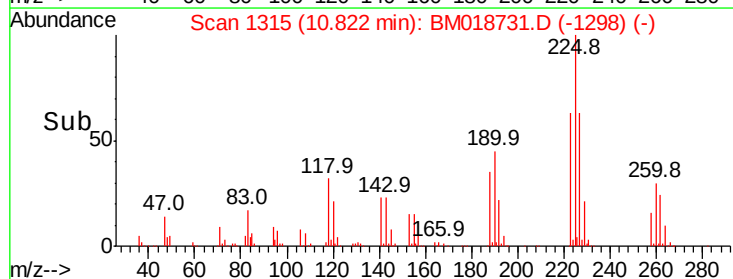
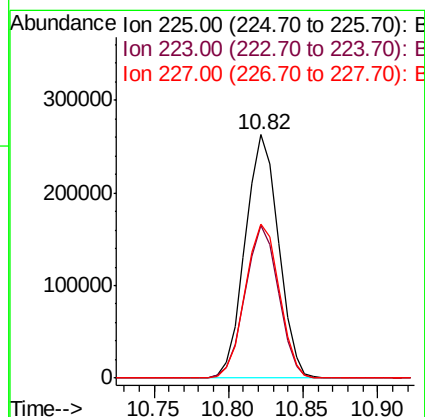
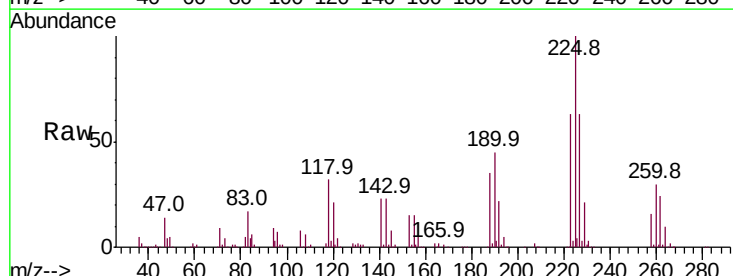
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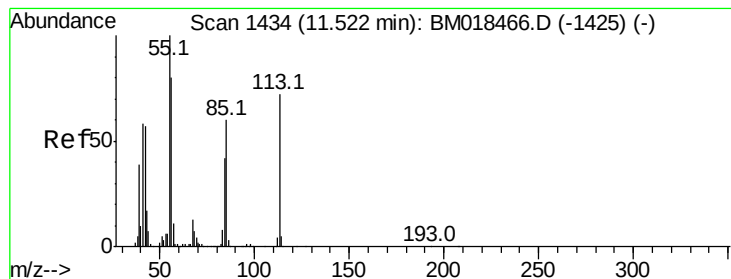
mohammad
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#34
Hexachlorobutadiene
Concen: 41.700 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.8	76.2
227	63.4	50.4	75.6





#35

Caprolactam

Concen: 28.443 ng/mL

RT: 11.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

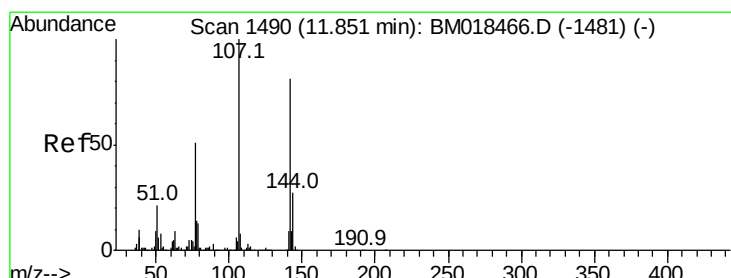
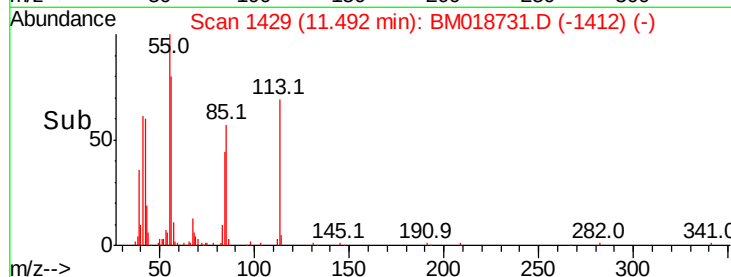
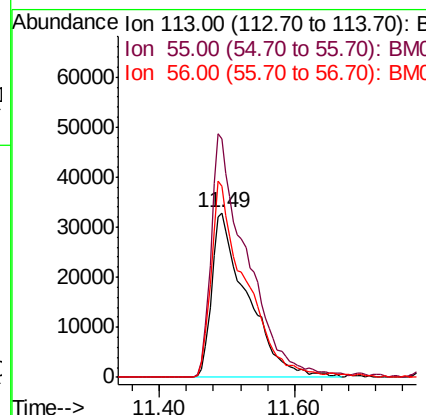
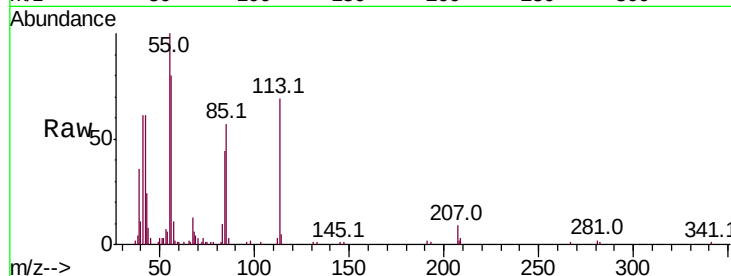
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	113	Resp:	120277
Ion	Ratio	Lower	Upper
113	100		
55	145.2	139.3	179.3
56	116.4	101.4	141.4

Manual Integrations
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2/5/2019 8:41:40 AM



#36

4-Chloro-3-methylphenol

Concen: 43.981 ng/mL

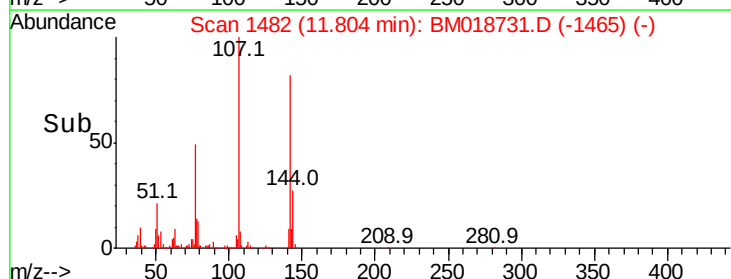
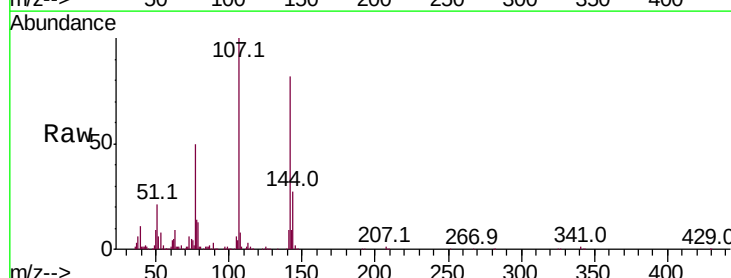
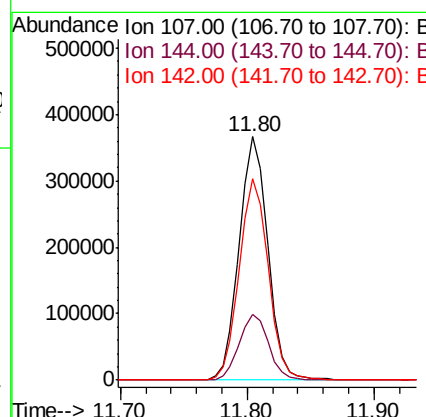
RT: 11.80 min Scan# 1482

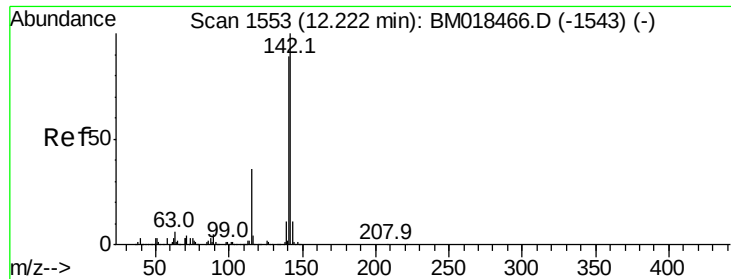
Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	107	Resp:	573907
Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.9	32.9
142	82.5	67.9	101.9





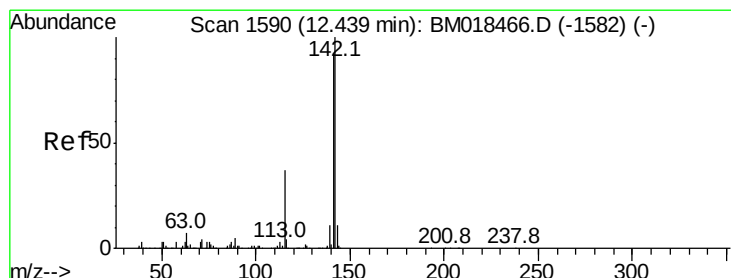
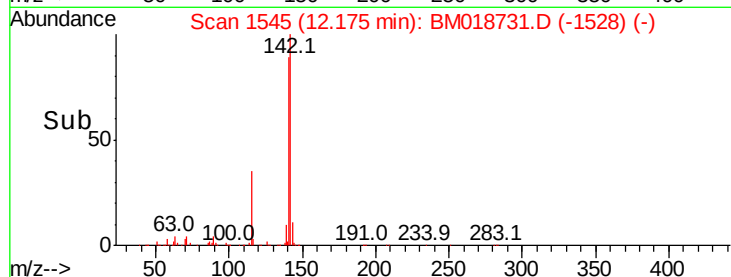
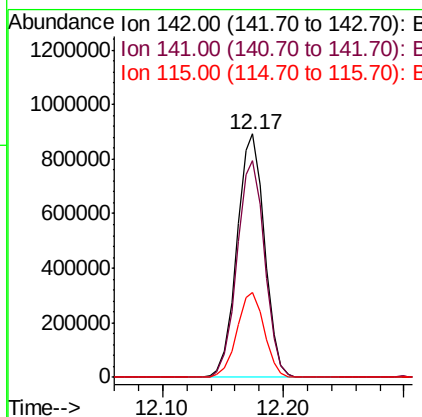
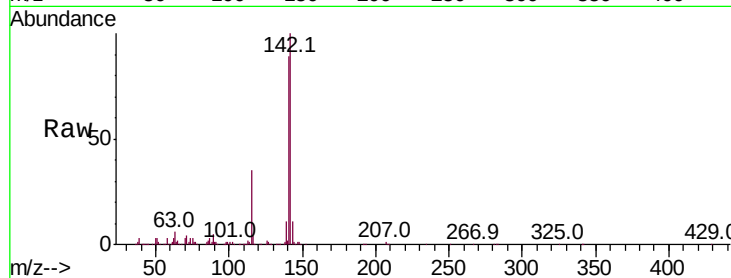
#37
2-Methylnaphthalene
Concen: 49.042 ng
RT: 12.17 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	34.9	28.0	42.0

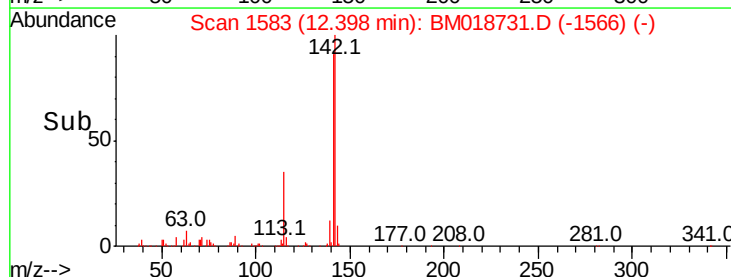
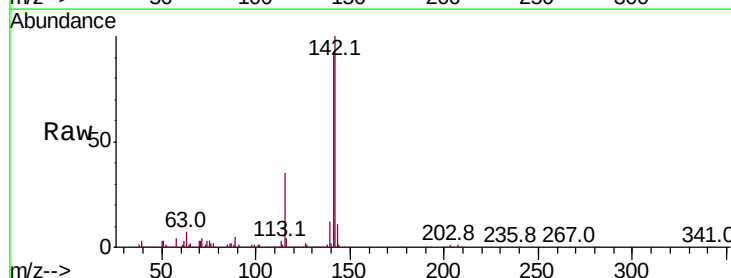
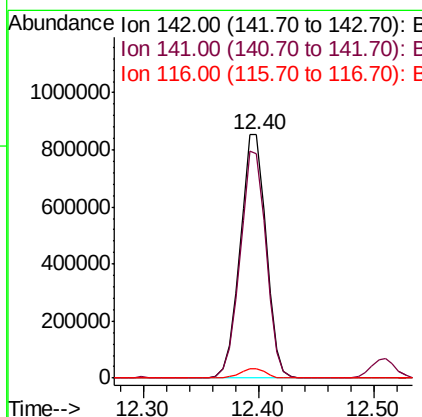
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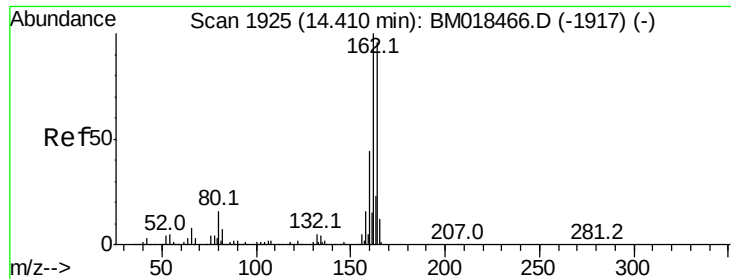
mohammad
2/5/2019 8:41:40 AM



#38
1-Methylnaphthalene
Concen: 47.735 ng
RT: 12.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	75.6	113.4
116	3.6	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.37 min Scan# 1918

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

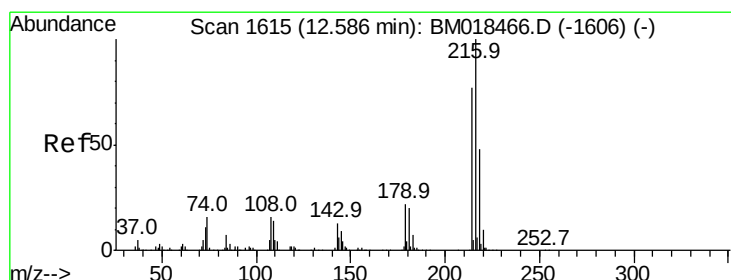
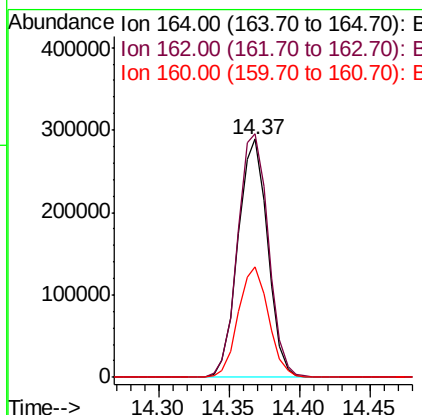
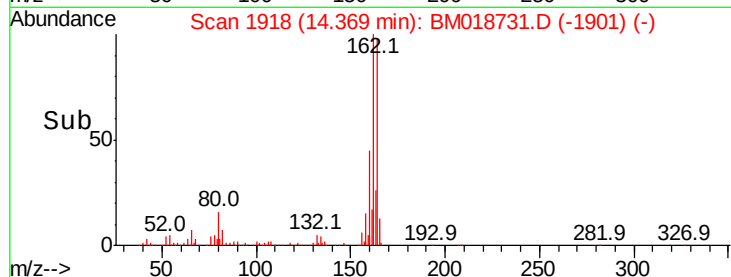
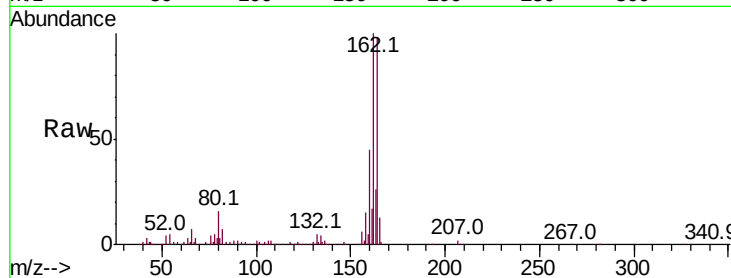
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	164	Resp:	424246
Ion Ratio	Lower	Upper	
164	100		
162	102.2	83.0	124.4
160	46.5	37.1	55.7

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.739 ng

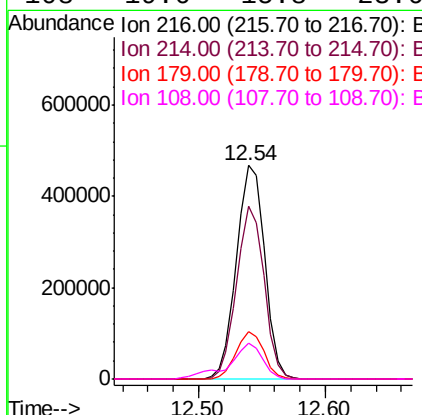
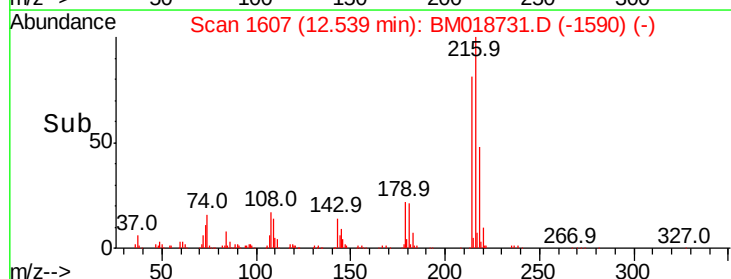
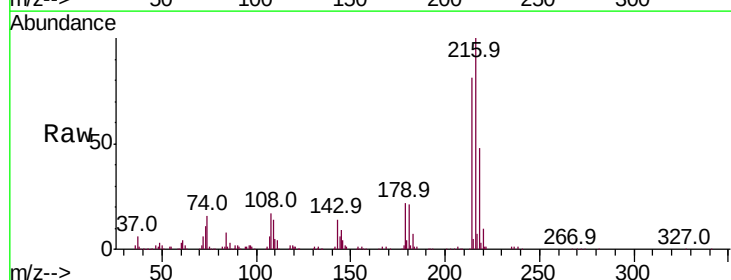
RT: 12.54 min Scan# 1607

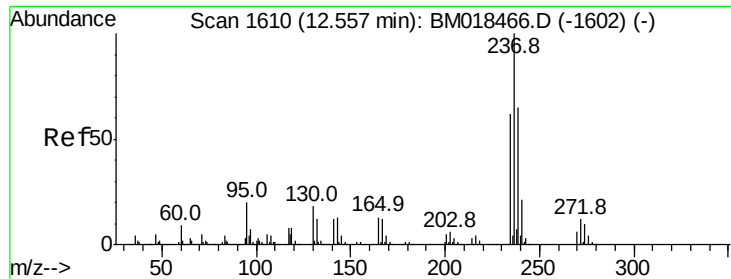
Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	216	Resp:	723082
Ion Ratio	Lower	Upper	
216	100		
214	78.5	63.4	95.0
179	21.7	17.9	26.9
108	19.6	15.8	23.6





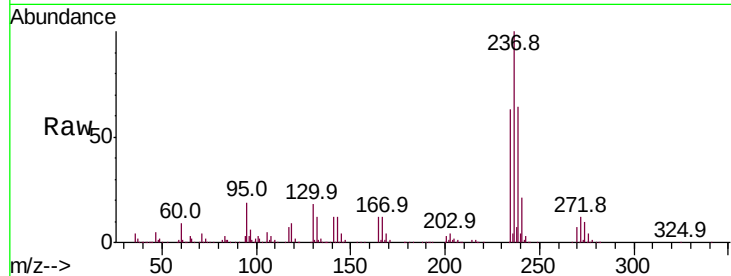
#41
Hexachlorocyclopentadiene
Concen: 103.234 ng
RT: 12.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.6	42.8	82.8	
272	12.5	0.0	31.9	

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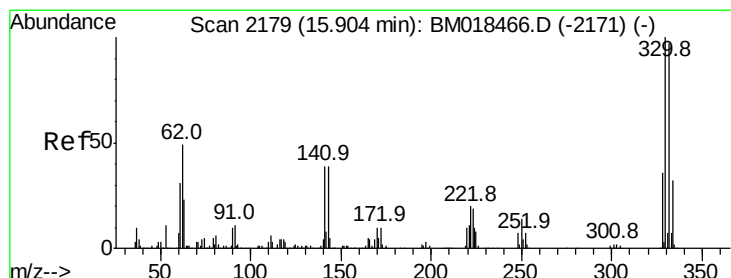
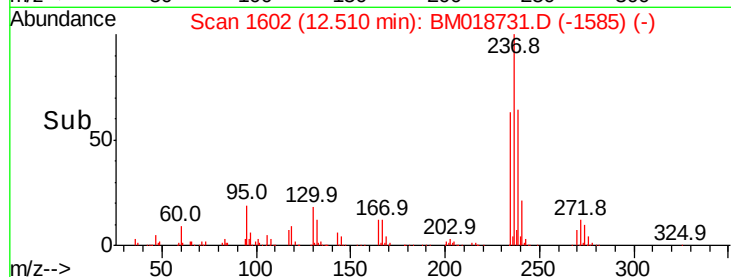
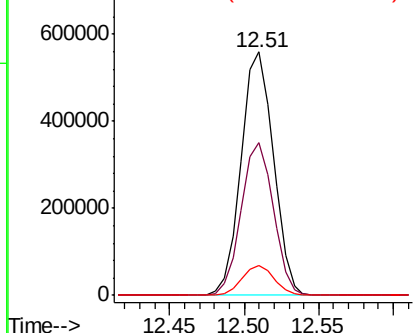


Abundance

Ion 236.80 (236.50 to 237.50): E

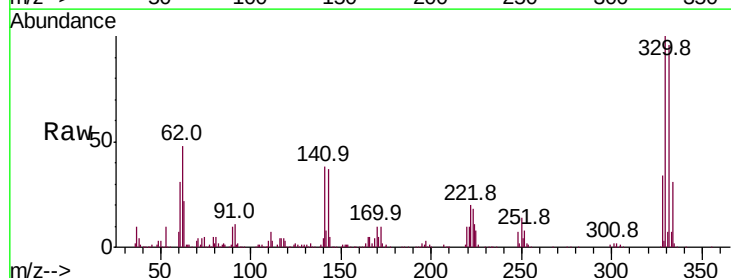
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 148.124 ng
RT: 15.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.6	116.4	
141	37.9	31.7	47.5	

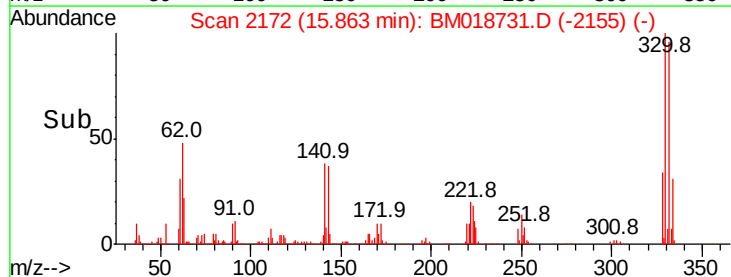
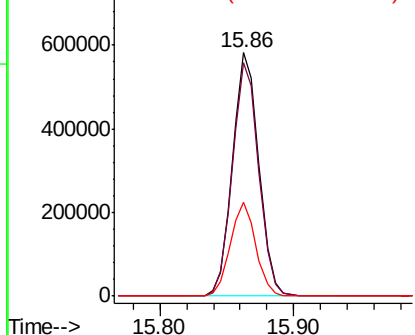


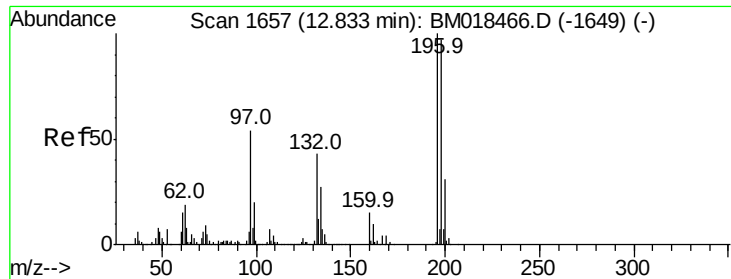
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





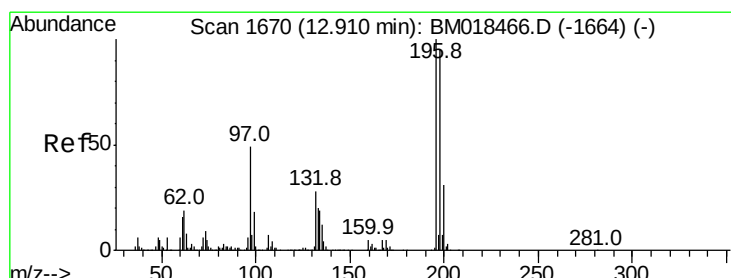
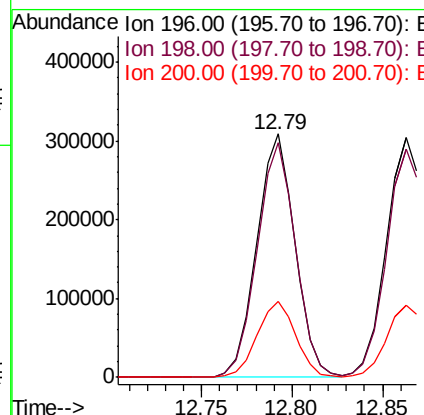
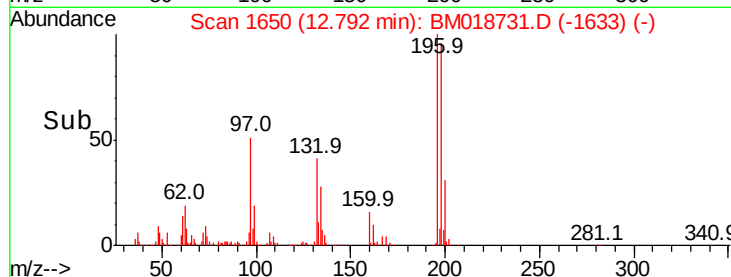
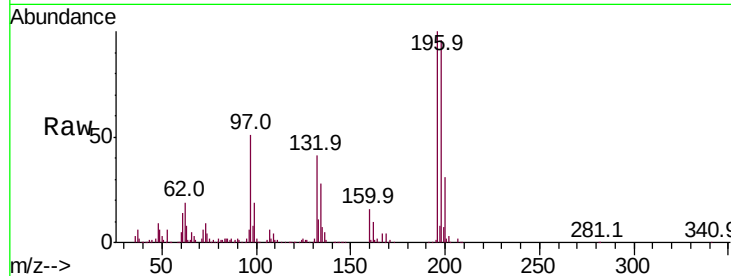
#43
2,4,6-Trichlorophenol
Concen: 50.231 ng
RT: 12.79 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	452537		
198	96.3	76.6	115.0	
200	31.2	24.2	36.4	

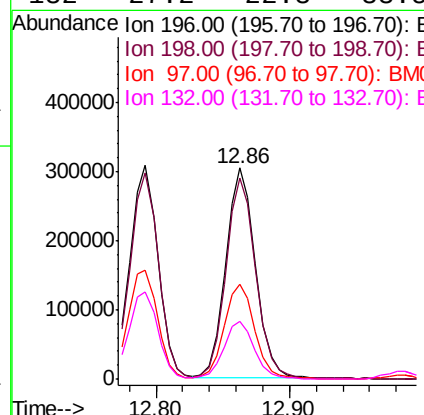
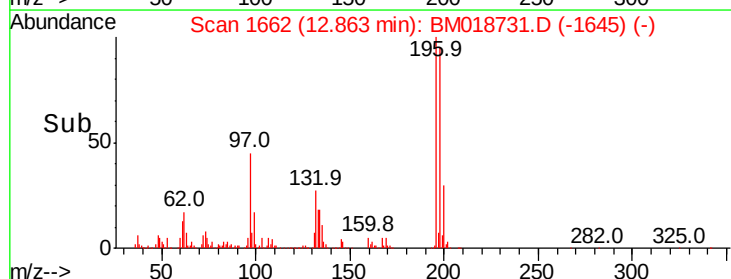
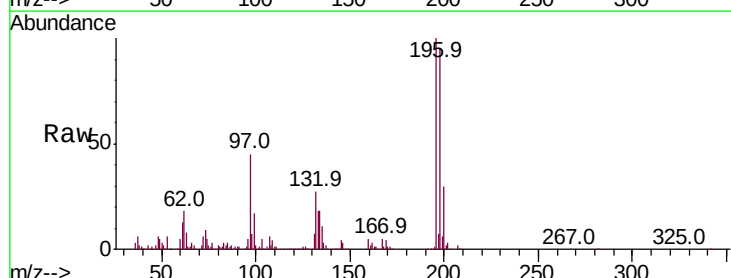
Manual Integrations
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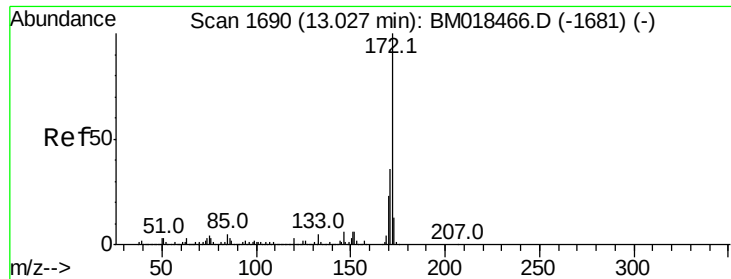
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 50.194 ng
RT: 12.86 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	475582		
198	95.1	76.7	115.1	
97	45.0	39.2	58.8	
132	27.2	22.3	33.5	





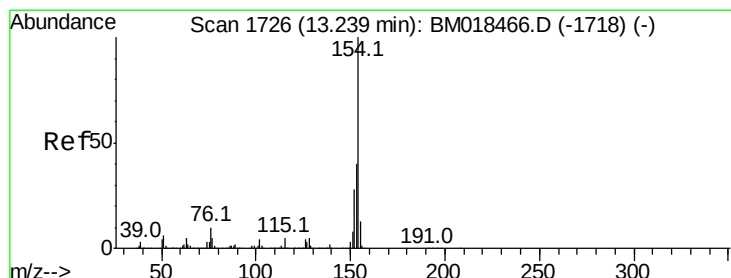
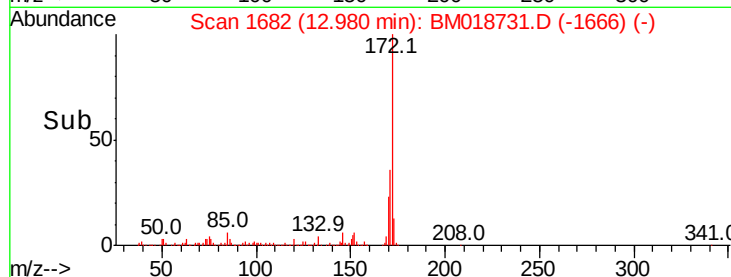
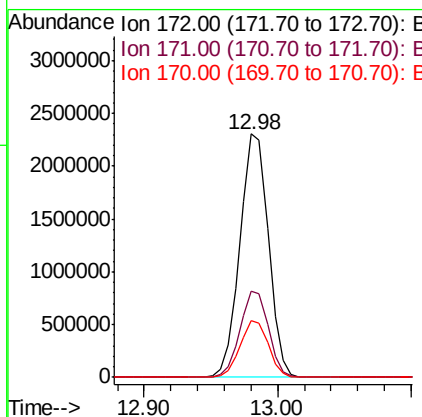
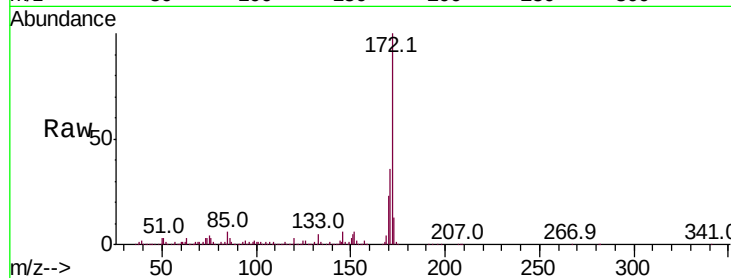
#45
2-Fluorobiphenyl
Concen: 104.745 ng
RT: 12.98 min Scan# 1682
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.9	28.3

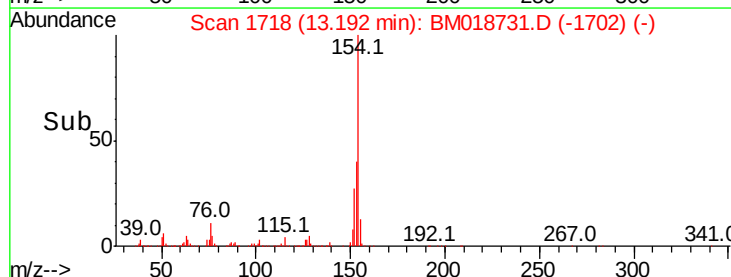
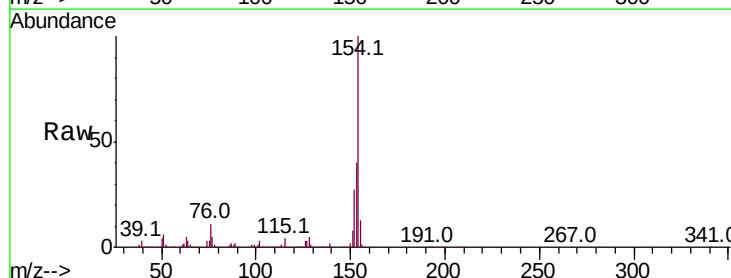
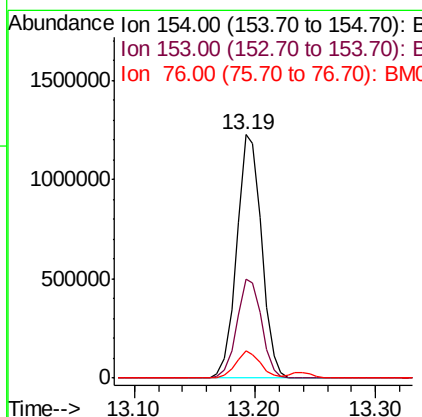
Manual Integrations
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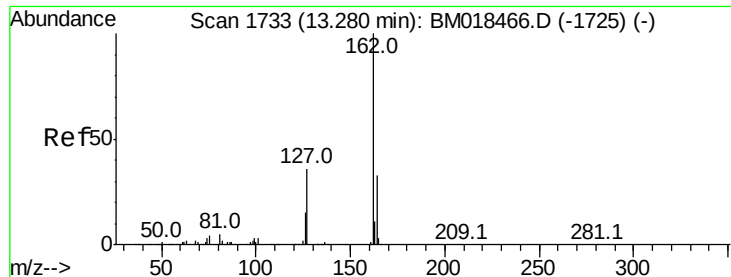
mohammad
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#46
1,1'-Biphenyl
Concen: 47.451 ng
RT: 13.19 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	11.0	0.0	31.9





#47

2-Chloronaphthalene

Concen: 47.031 ng

RT: 13.24 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

ClientSampleId :

OR-02-013119-AMSD

Tot Ion:162 Resp: 1350995

Ion Ratio Lower Upper

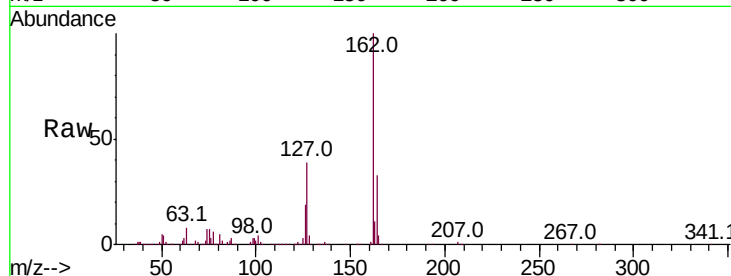
162 100

127 38.7 31.4 47.0

164 32.9 26.2 39.4

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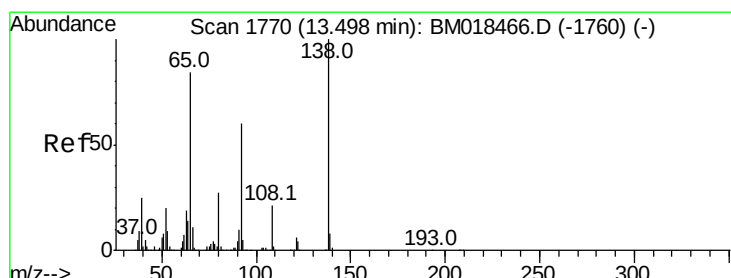
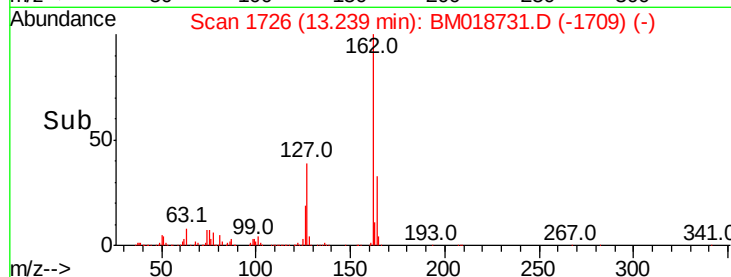
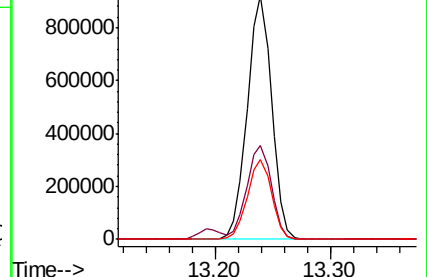
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 45.910 ng

RT: 13.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

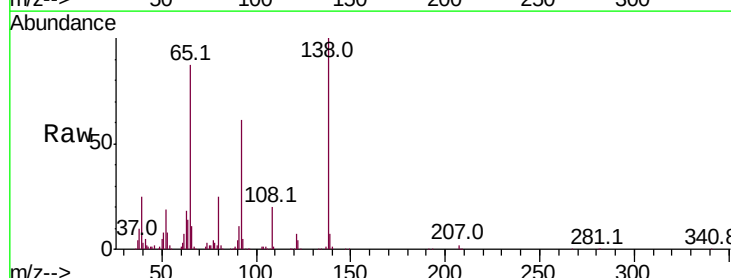
Tgt Ion: 65 Resp: 324450

Ion Ratio Lower Upper

65 100

92 69.9 53.4 80.2

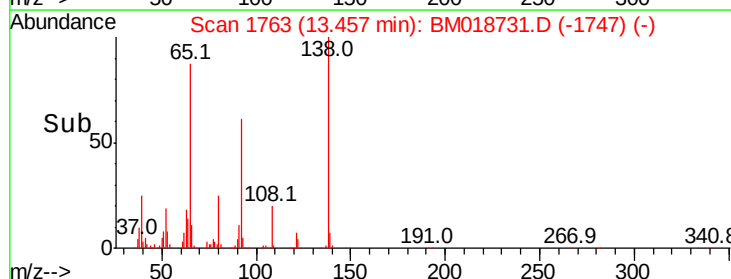
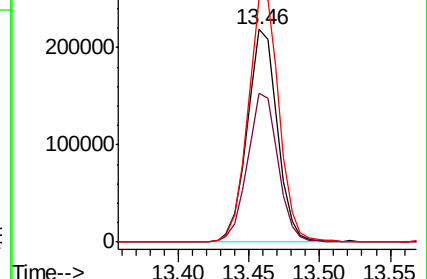
138 114.7 88.9 133.3

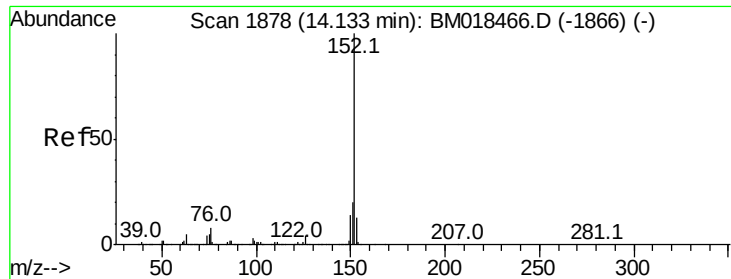


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





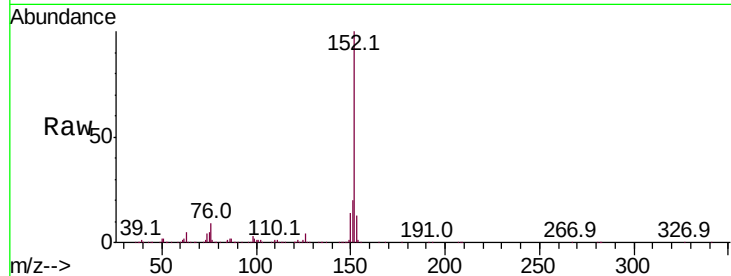
#49
Acenaphthylene
Concen: 50.554 ng
RT: 14.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

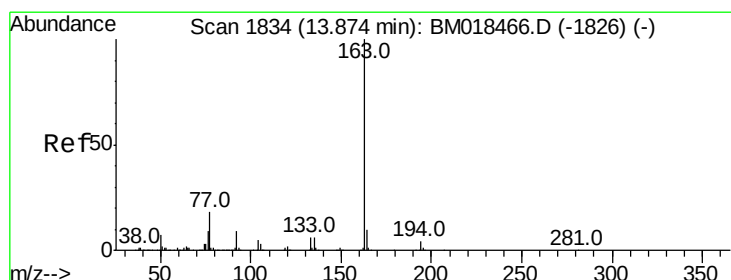
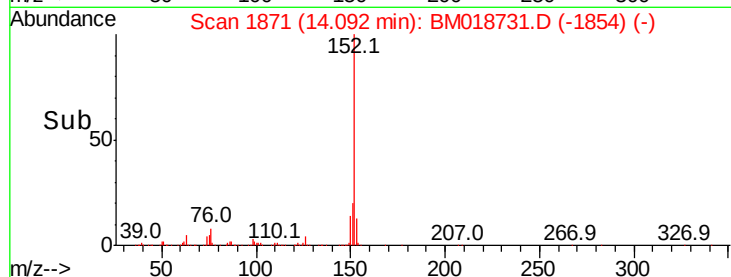
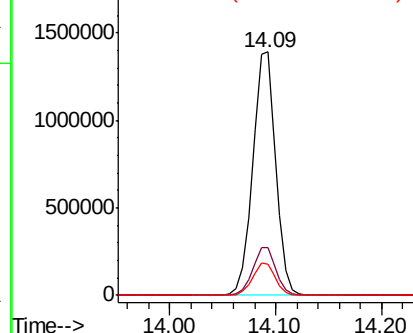
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.8	10.5	15.7

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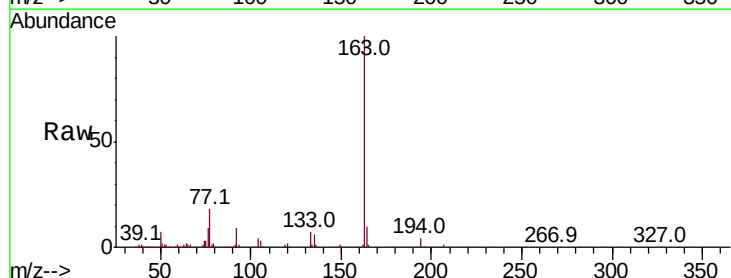


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

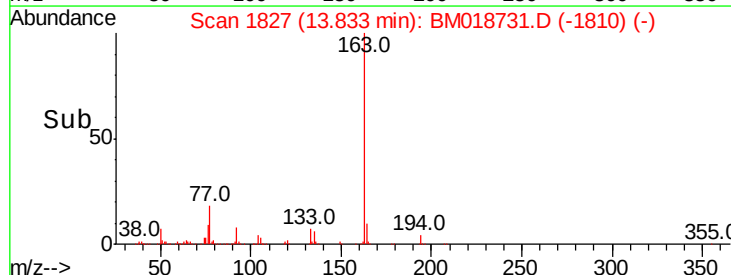
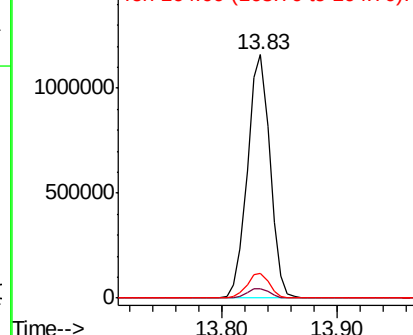


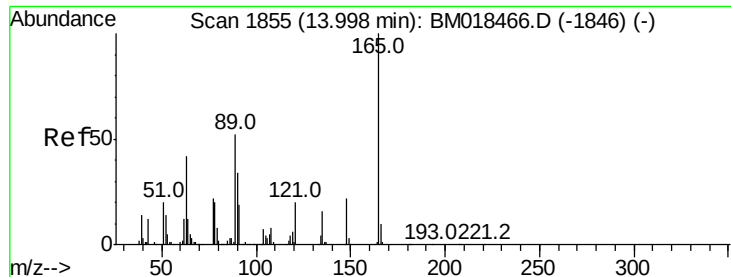
#50
Dimethylphthalate
Concen: 45.044 ng
RT: 13.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.0	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





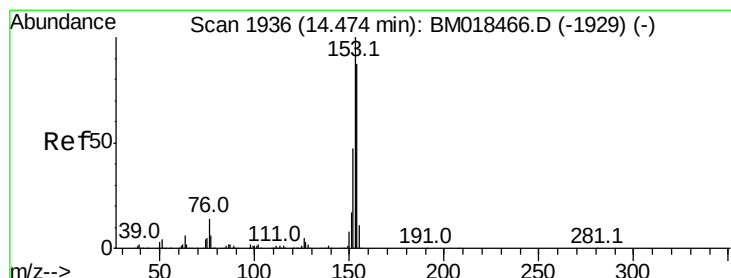
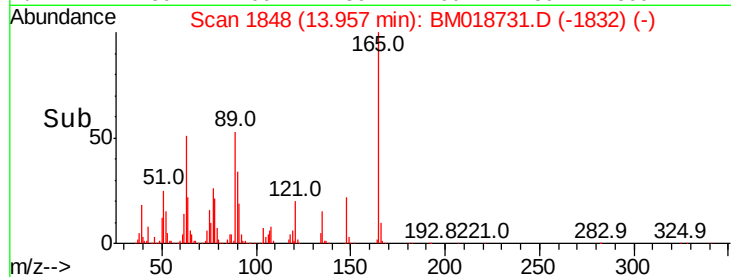
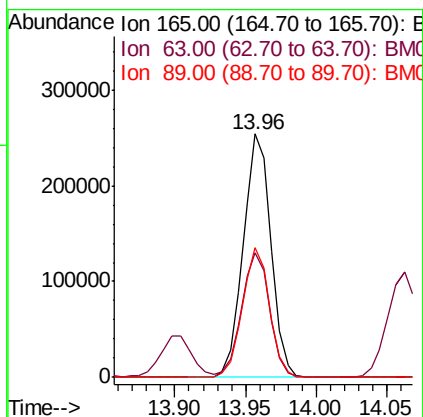
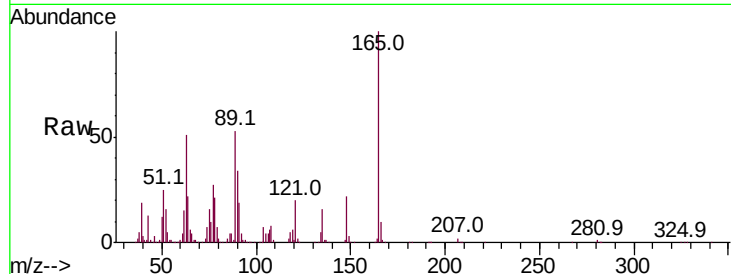
#51
2,6-Dinitrotoluene
Concen: 47.159 ng
RT: 13.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.0	45.6	68.4	
89	53.1	44.6	66.8	

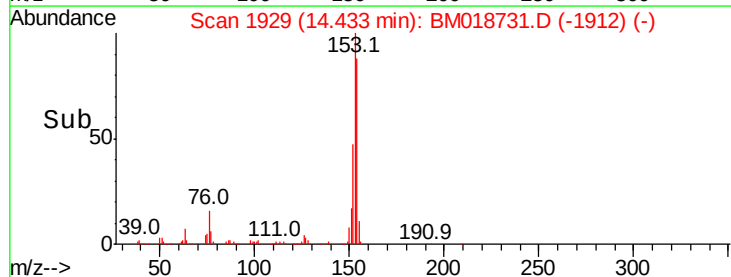
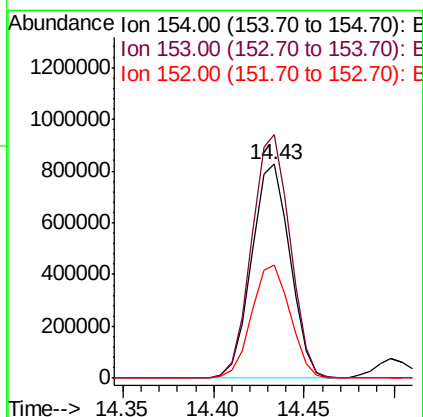
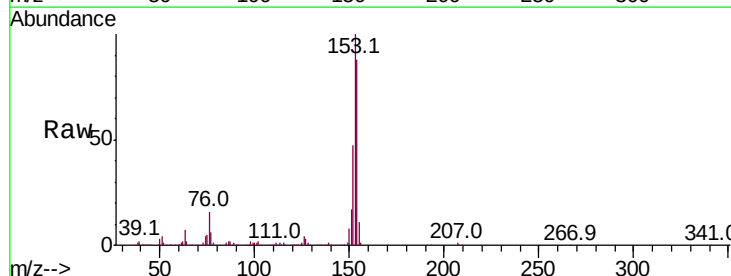
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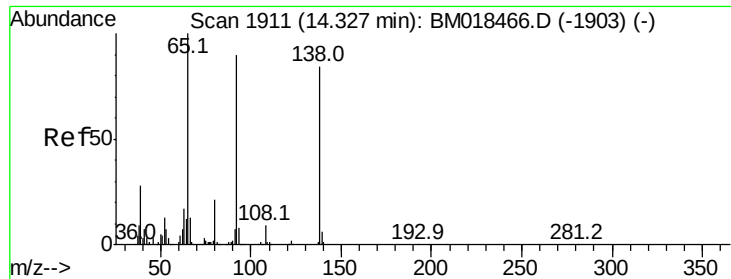
mohammad
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#52
Acenaphthene
Concen: 47.351 ng
RT: 14.43 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.9	92.3	138.5	
152	53.1	43.8	65.6	





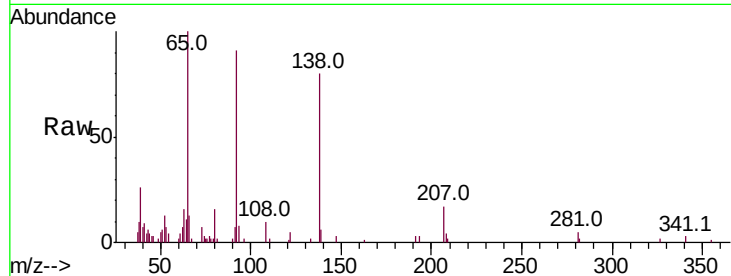
#53
3-Nitroaniline
Concen: 4.963 ng
RT: 14.29 min Scan# 1905
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	113.6	88.2	132.2

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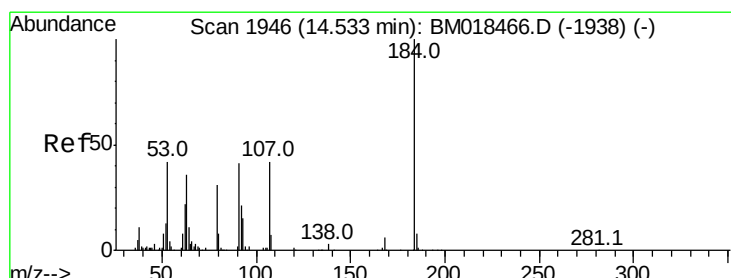
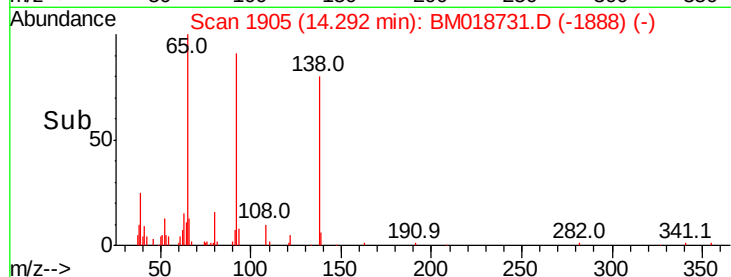
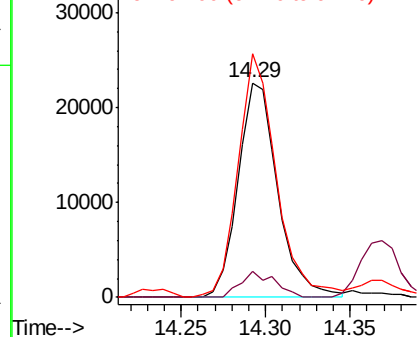


Abundance

Ion 138.00 (137.70 to 138.70): E

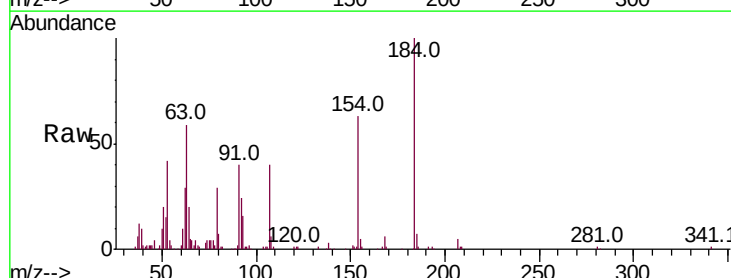
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54
2,4-Dinitrophenol
Concen: 45.453 ng
RT: 14.50 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.0	55.9	83.9
154	63.0	54.2	81.4

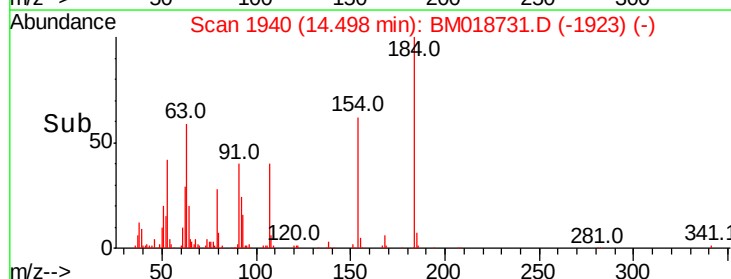
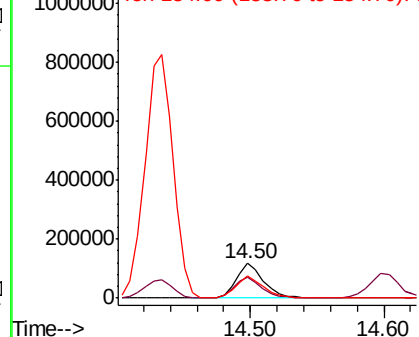


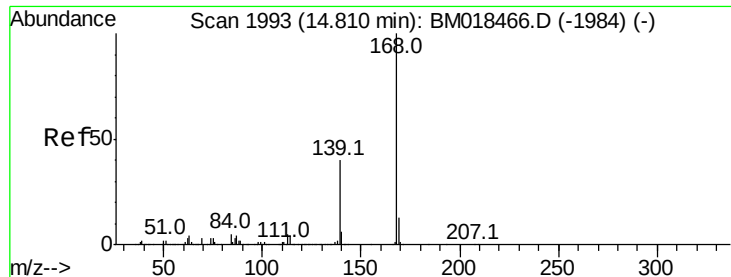
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





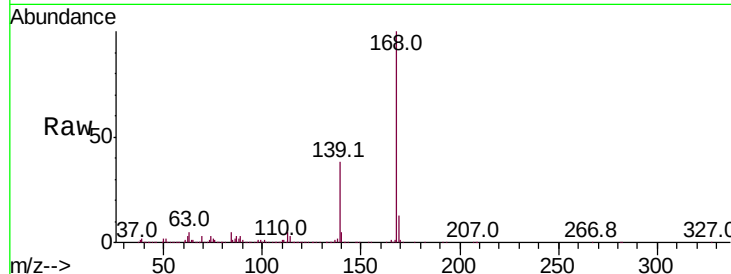
#55
Dibenzenofuran
Concen: 45.754 ng
RT: 14.77 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.3	45.5
169	13.3	10.6	16.0

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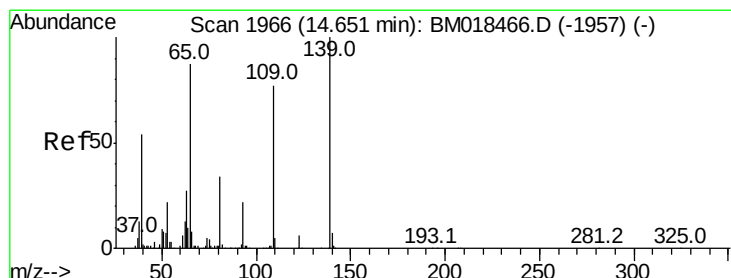
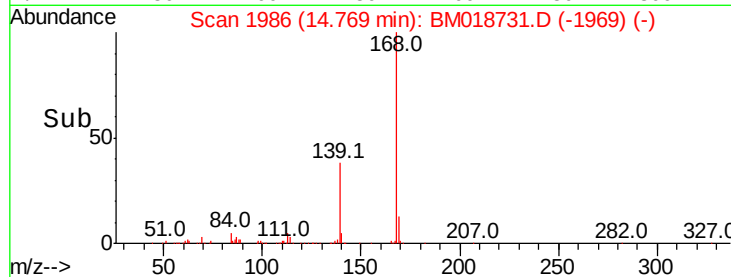
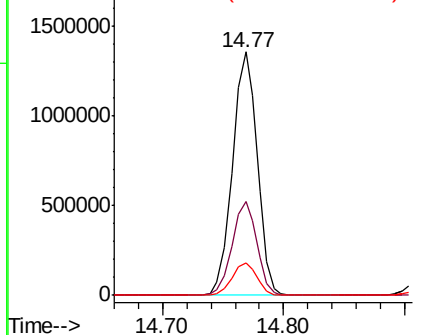


Abundance

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: 75.045 ng
RT: 14.60 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

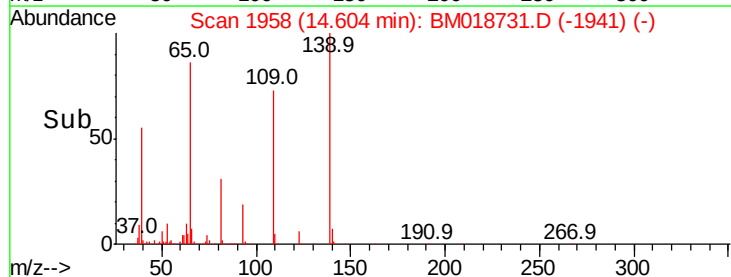
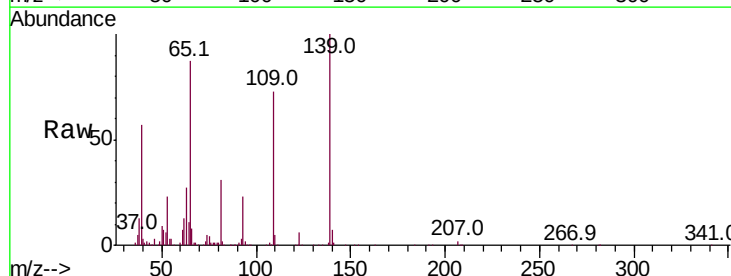
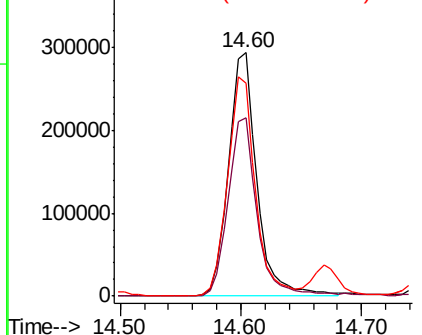
Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.4	51.7	91.7
65	87.2	71.4	111.4

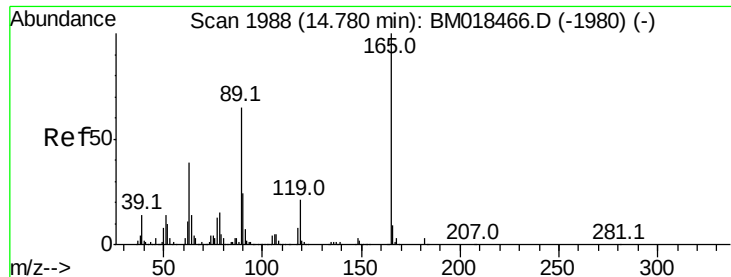
Abundance

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





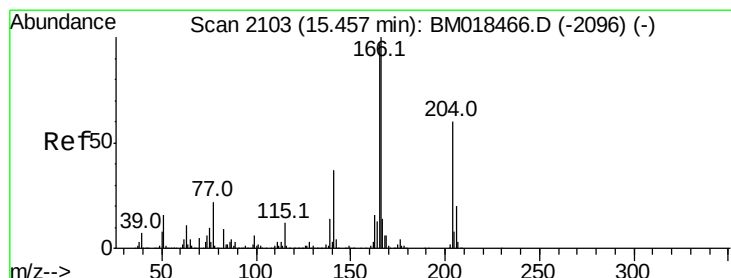
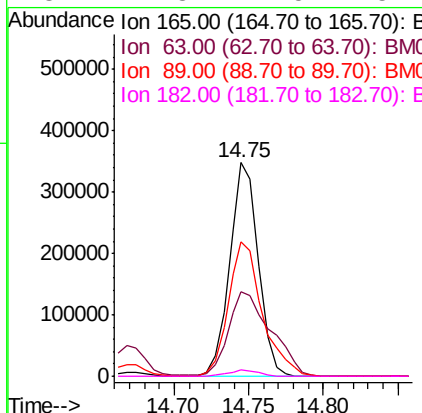
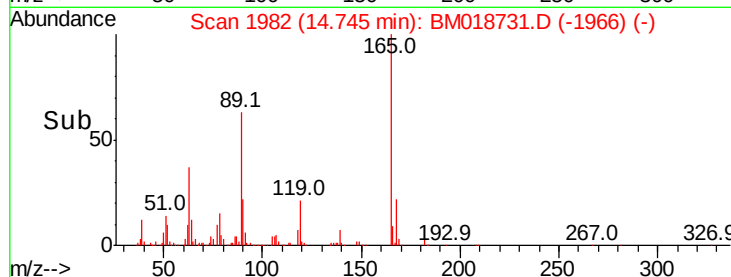
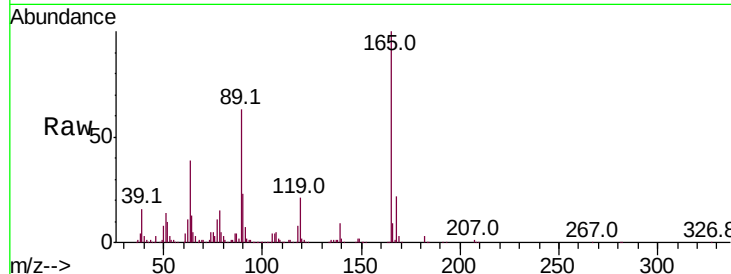
#57
2,4-Dinitrotoluene
Concen: 44.594 ng
RT: 14.75 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	465669		
63	39.3		32.2	48.2
89	63.2		52.1	78.1
182	2.8		2.5	3.7

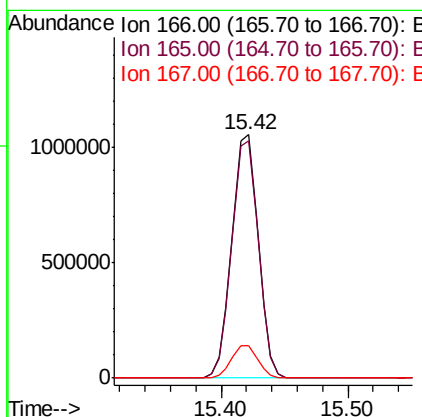
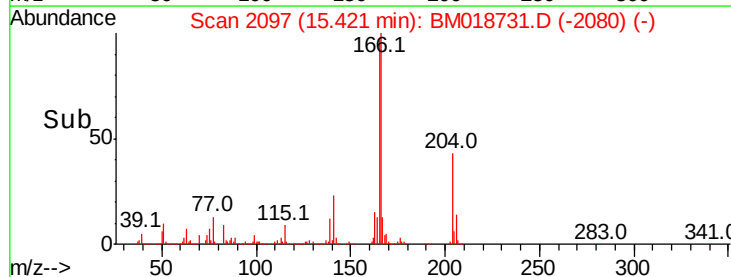
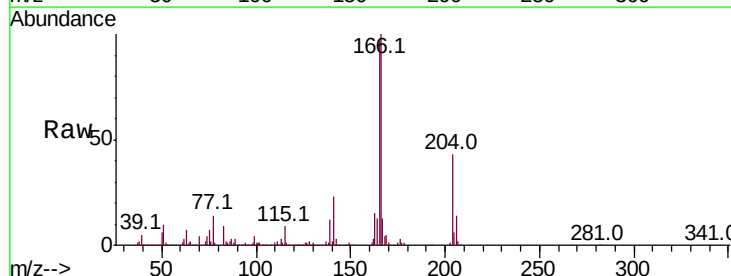
Manual Integrations
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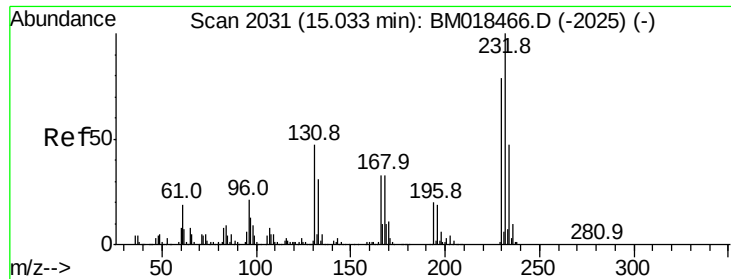
mohammad
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#58
Fluorene
Concen: 48.275 ng
RT: 15.42 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1521938		
165	97.2		78.3	117.5
167	13.2		10.9	16.3





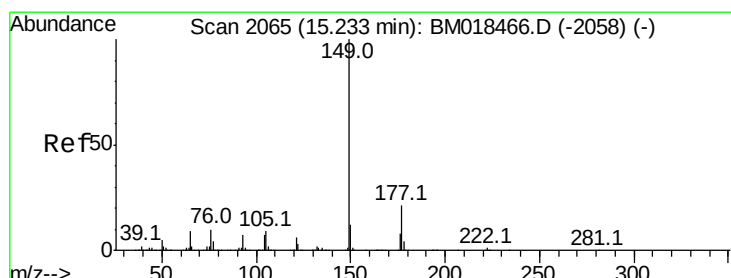
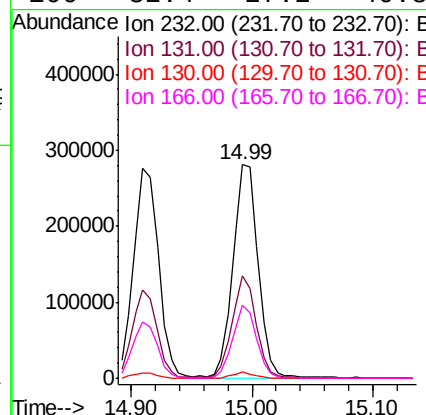
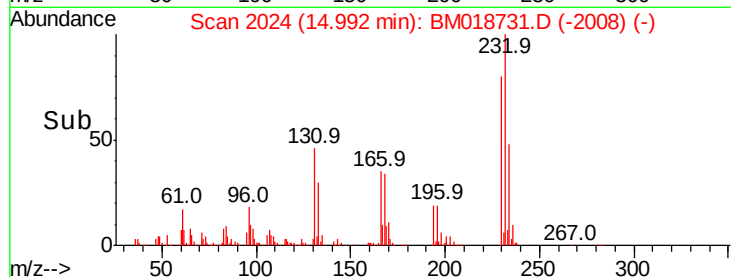
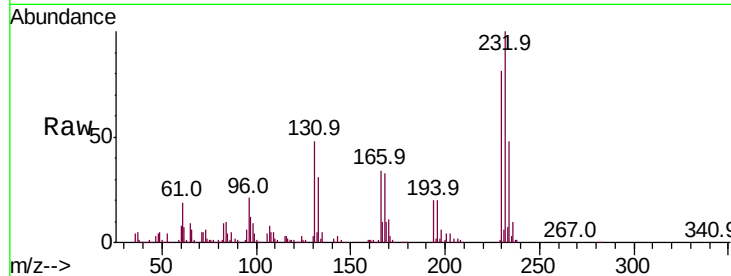
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.342 ng
RT: 14.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	405999		
131	45.8		38.6	57.8
130	2.5		2.2	3.4
166	32.4		27.2	40.8

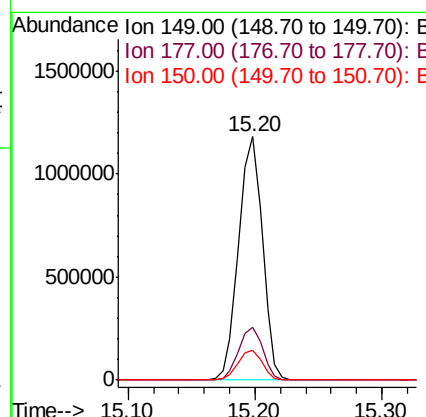
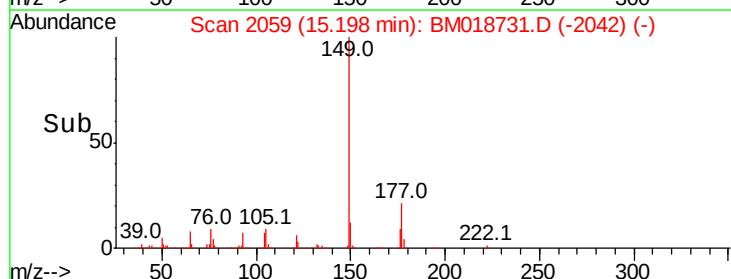
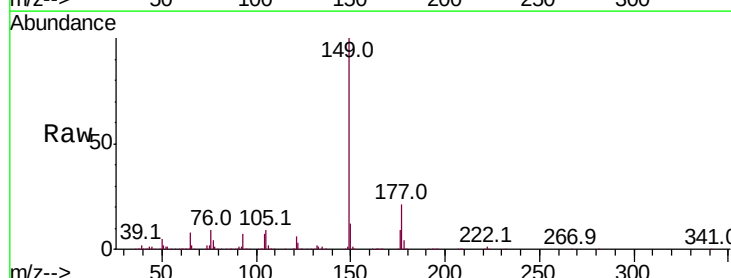
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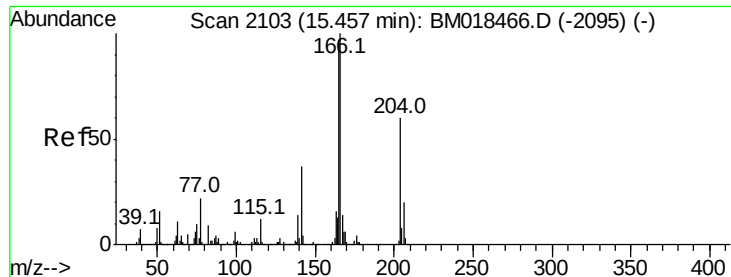
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#60
Diethylphthalate
Concen: 43.574 ng
RT: 15.20 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1532675		
177	21.5		17.1	25.7
150	12.3		9.8	14.6





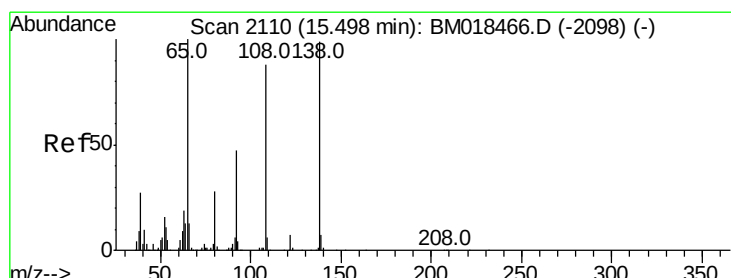
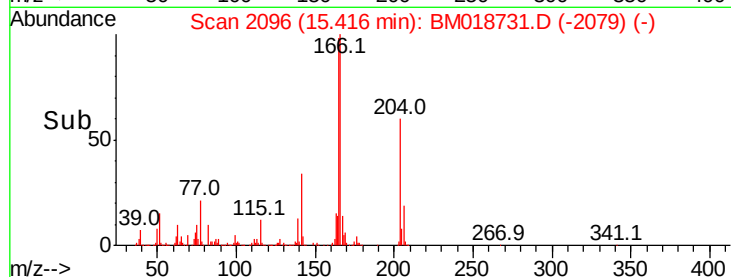
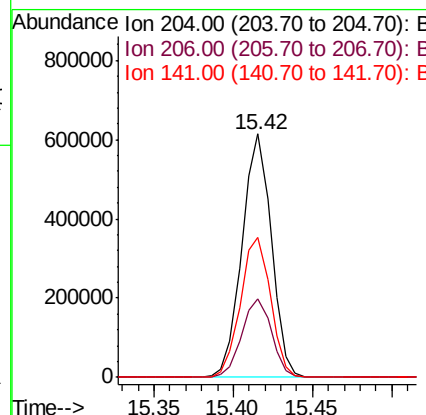
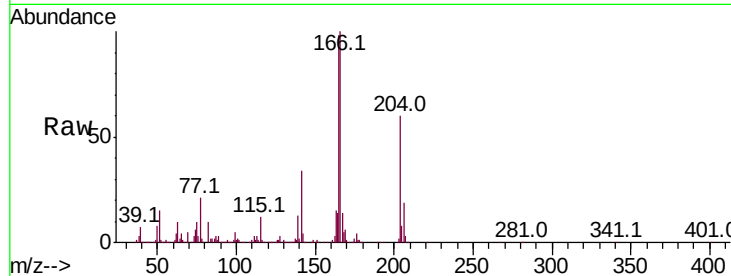
#61
4-Chlorophenyl-phenylether
Concen: 43.364 ng
RT: 15.42 min Scan# 2096
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	57.6	49.5	74.3

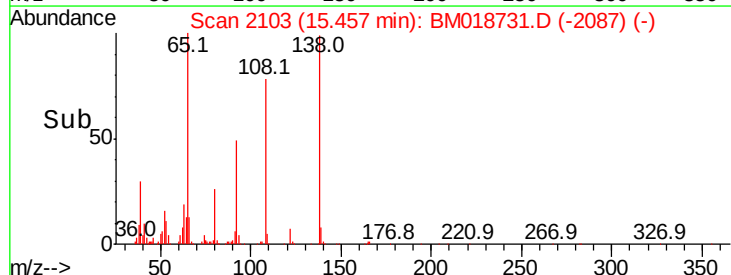
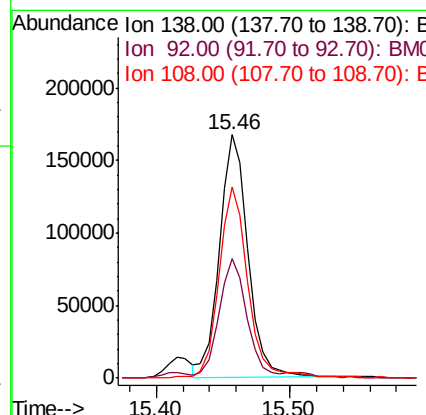
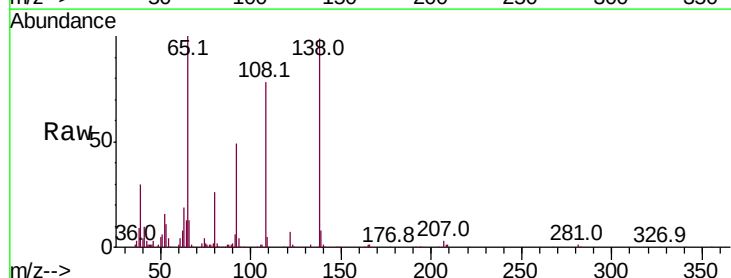
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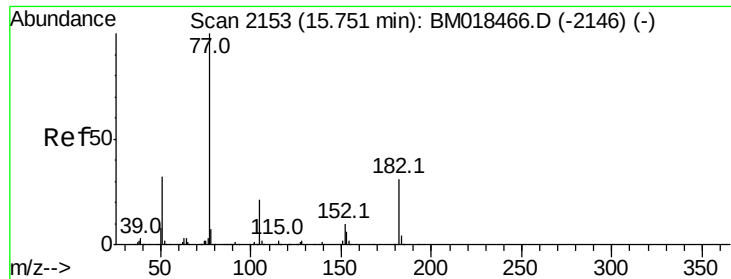
mohammad
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#62
4-Nitroaniline
Concen: 30.833 ng
RT: 15.46 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.0	69.0
108	78.8	63.9	103.9





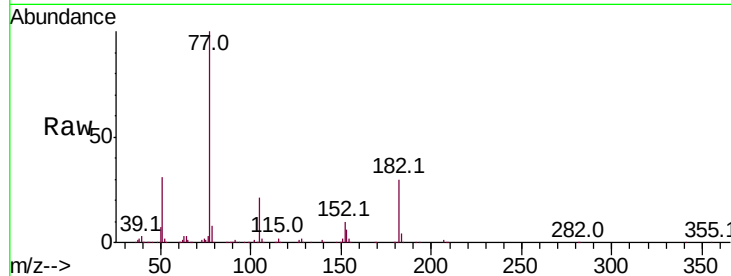
#63
Azobenzene
Concen: 44.942 ng
RT: 15.71 min Scan# 2146
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	30.0	7.4	47.4
105	21.1	0.0	39.6
51	31.5	12.0	52.0

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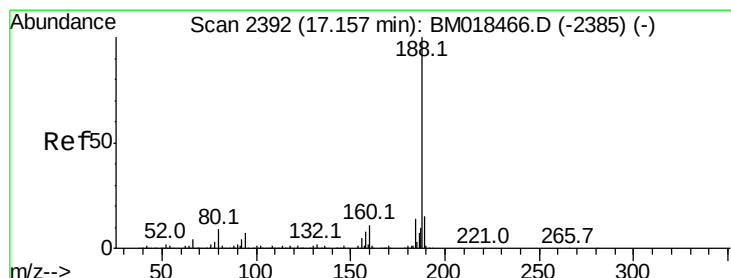
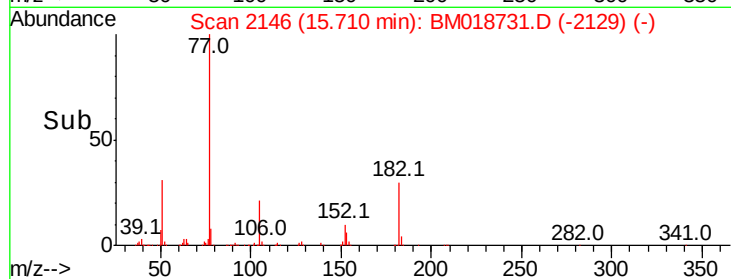
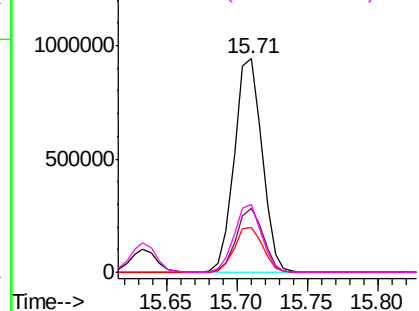
Abundance

Ion 77.00 (76.70 to 77.70): BM018731.D (-2146) (-)

Ion 182.00 (181.70 to 182.70): BM018731.D (-2146) (-)

Ion 105.00 (104.70 to 105.70): BM018731.D (-2146) (-)

Ion 51.00 (50.70 to 51.70): BM018731.D (-2146) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.12 min Scan# 2385
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

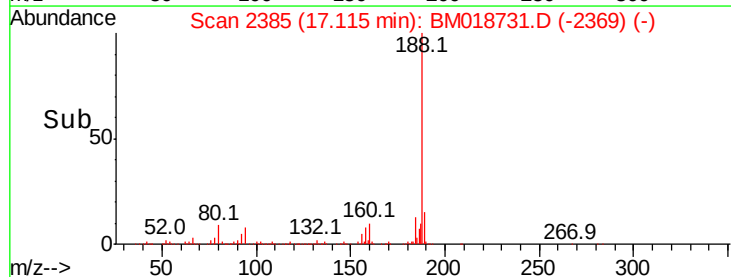
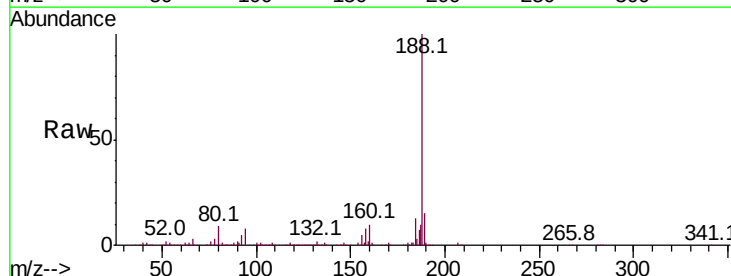
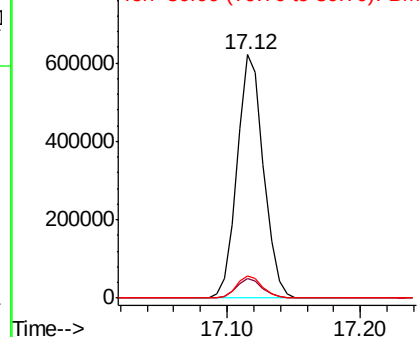
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.1	10.7
80	9.2	7.6	11.4

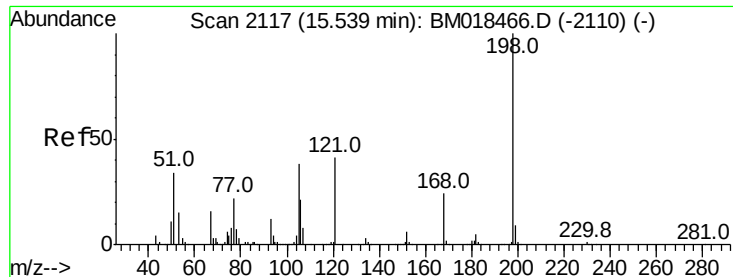
Abundance

Ion 188.00 (187.70 to 188.70): BM018731.D (-2369) (-)

Ion 94.00 (93.70 to 94.70): BM018731.D (-2369) (-)

Ion 80.00 (79.70 to 80.70): BM018731.D (-2369) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 32.295 ng

RT: 15.50 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

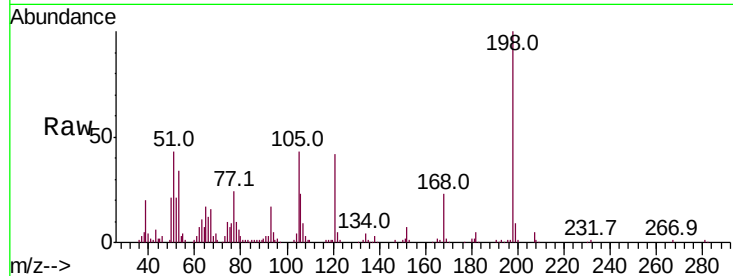
ClientSampleId :

OR-02-013119-AMSD

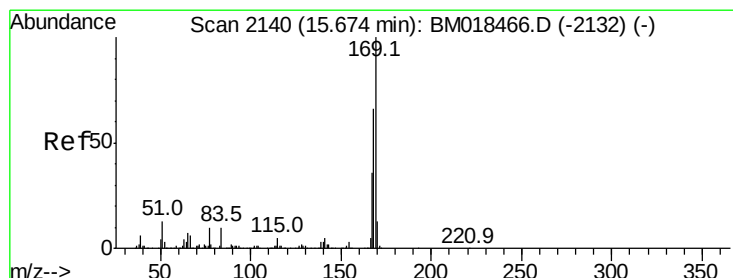
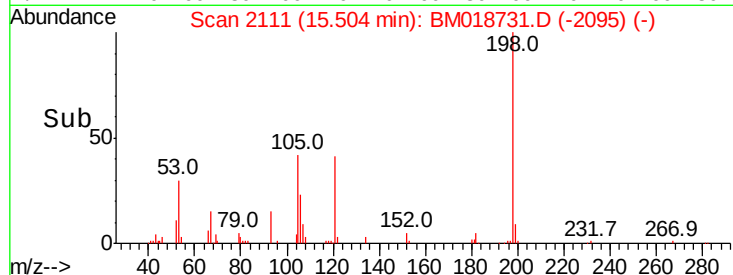
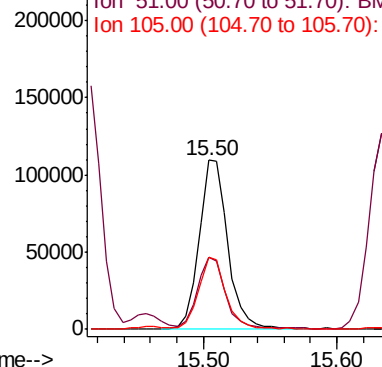
Tot Ion:	198	Resp:	165122
Ion Ratio	Lower	Upper	
198	100		
51	42.9	29.6	69.6
105	42.7	25.5	65.5

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



#66

n-Nitrosodiphenylamine

Concen: 49.263 ng

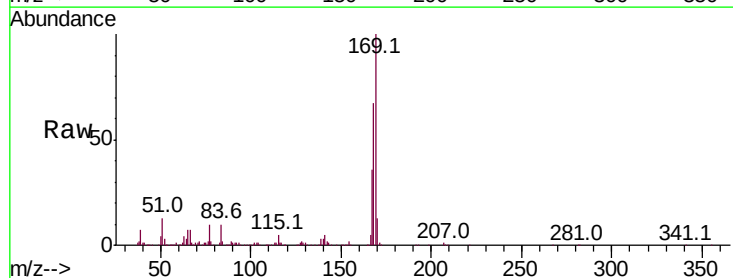
RT: 15.63 min Scan# 2133

Delta R.T. 0.00 min

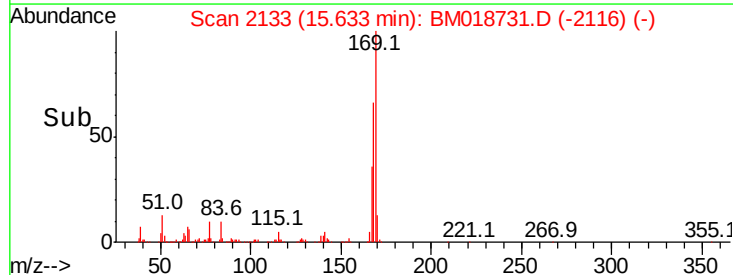
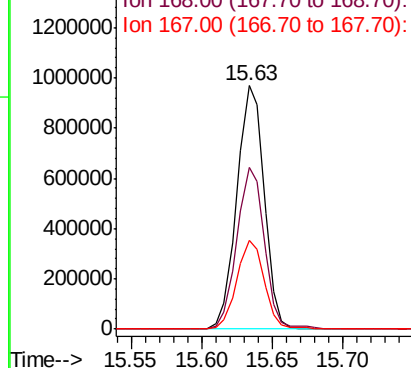
Lab File: BM018731.D

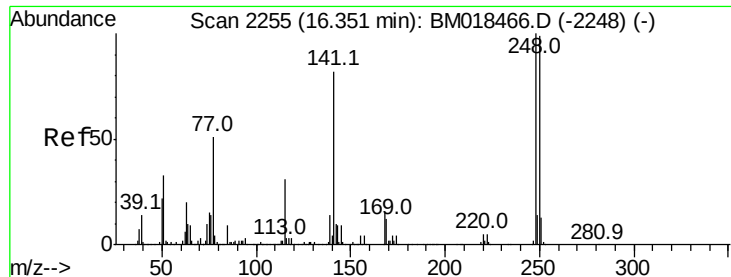
Acq: 04 Feb 2019 22:37

Tgt Ion:	169	Resp:	1306192
Ion Ratio	Lower	Upper	
169	100		
168	66.6	54.1	81.1
167	36.3	28.6	42.8



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 47.905 ng

RT: 16.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

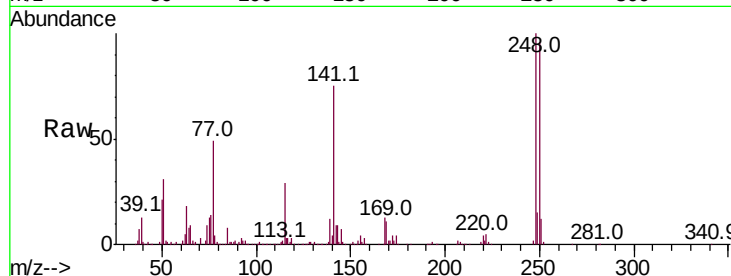
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	248	Resp:	458229
Ion Ratio	Lower	Upper	
248	100		
250	96.2	76.0	114.0
141	75.3	61.5	92.3

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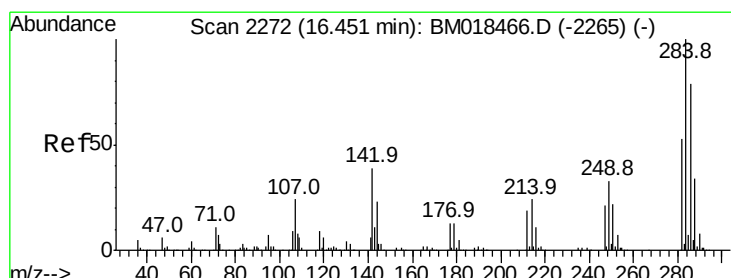
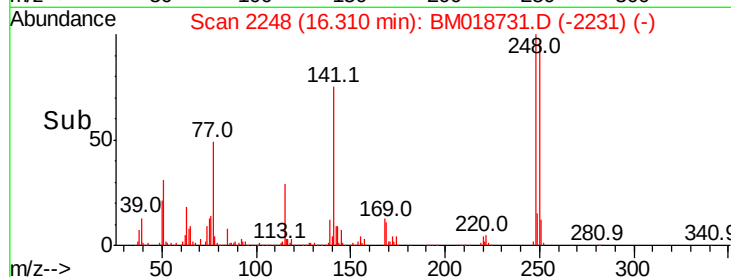
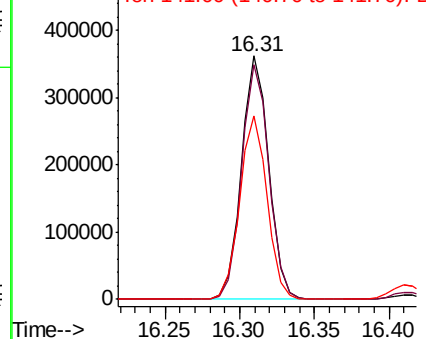


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 47.124 ng

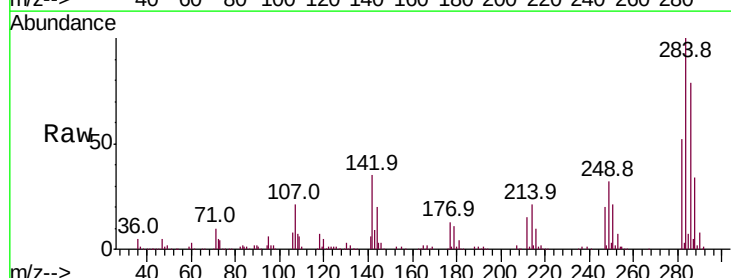
RT: 16.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	284	Resp:	504618
Ion Ratio	Lower	Upper	
284	100		
142	34.9	29.2	43.8
249	32.4	26.1	39.1

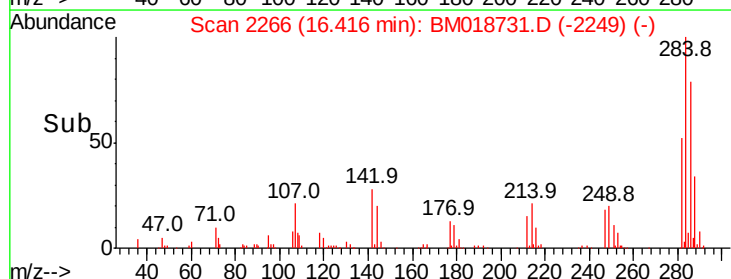
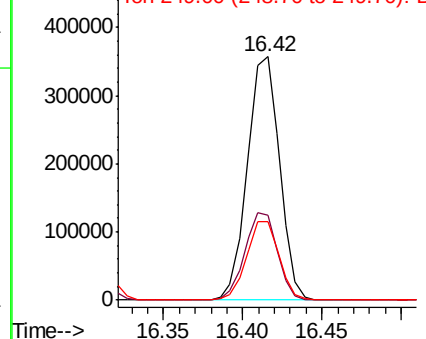


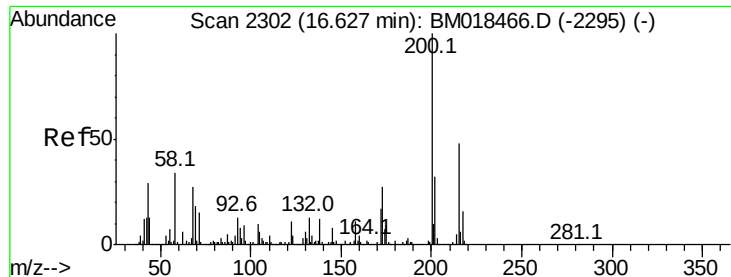
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





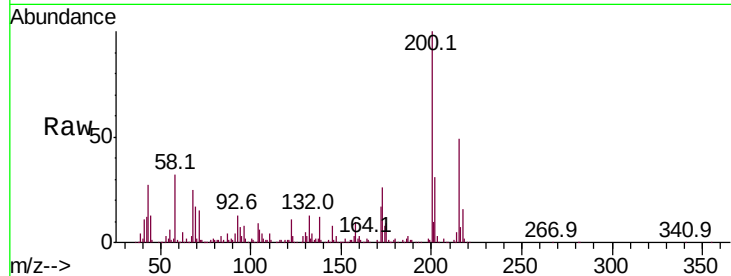
#69
Atrazine
Concen: 45.142 ng
RT: 16.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	7.2	47.2
215	48.8	28.3	68.3

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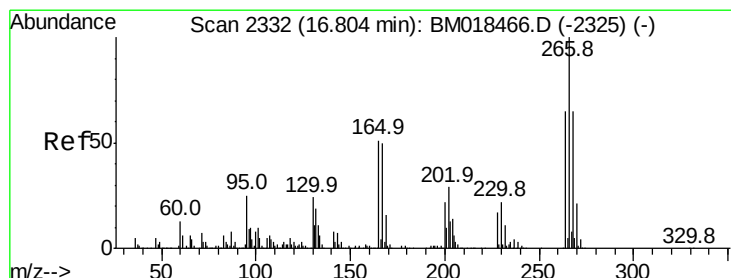
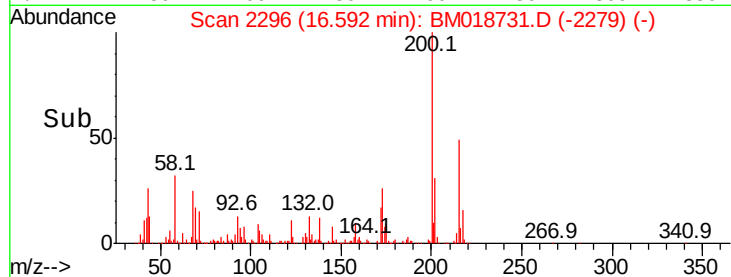
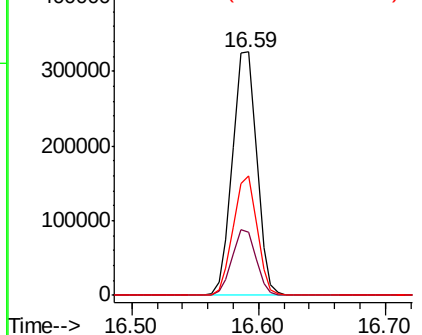


Abundance

Ion 200.00 (199.70 to 200.70): E

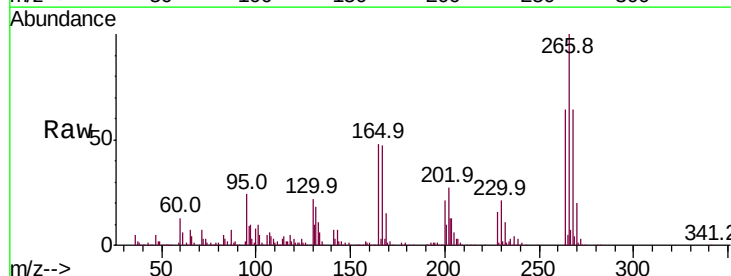
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 78.345 ng
RT: 16.76 min Scan# 2325
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.8	74.6
264	63.9	50.1	75.1

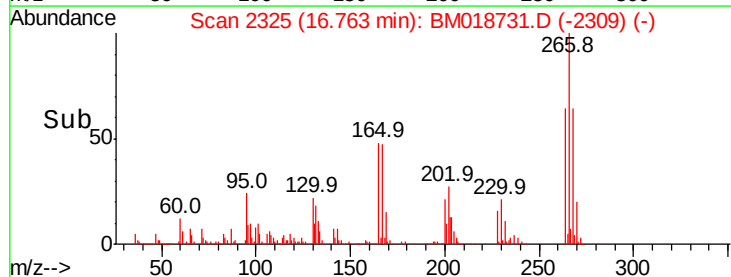
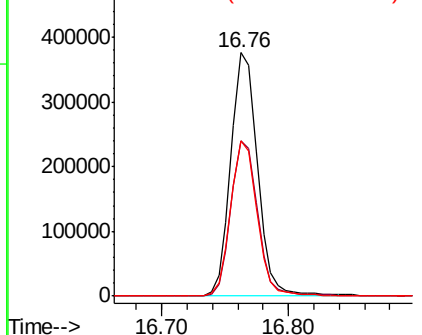


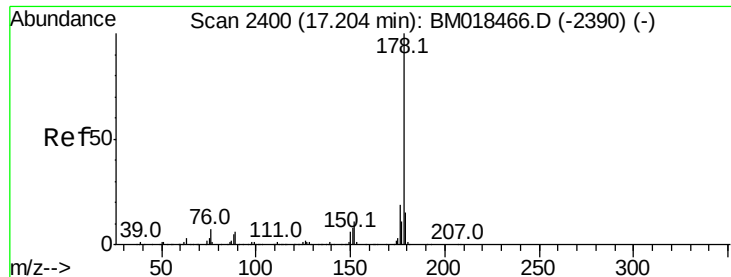
Abundance

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





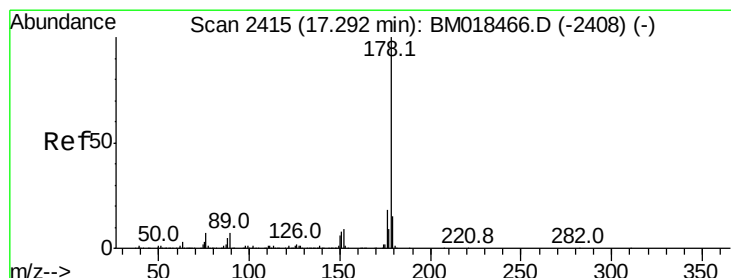
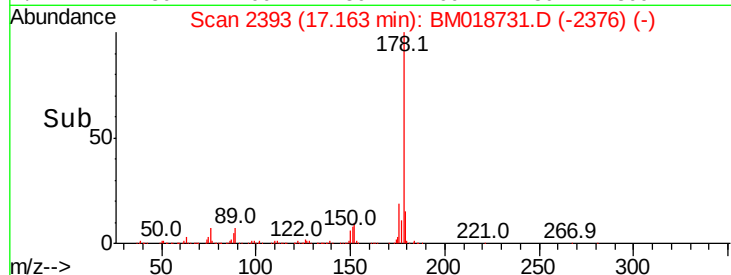
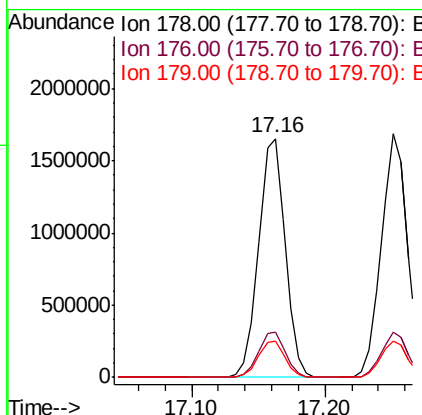
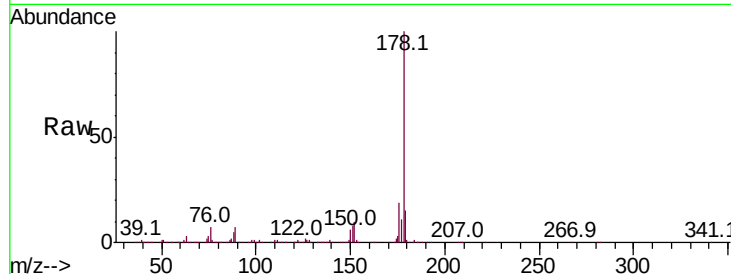
#71
Phenanthrene
Concen: 49.965 ng
RT: 17.16 min Scan# 2393
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion:178 Resp: 2271663
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.2 18.4

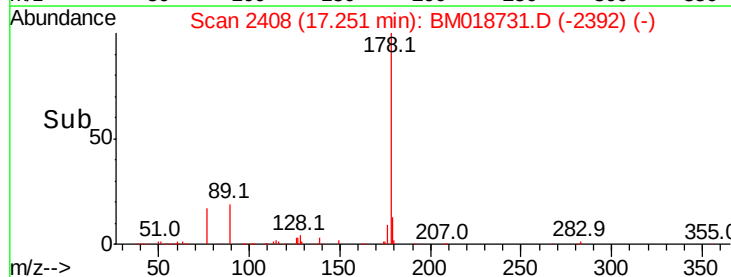
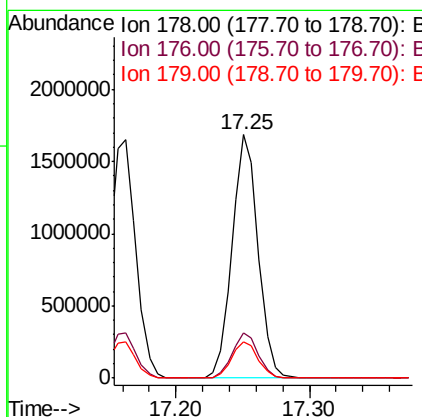
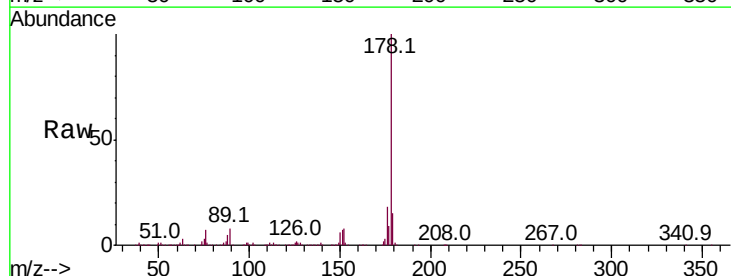
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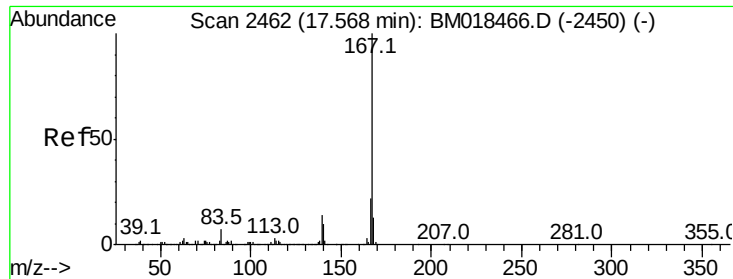
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#72
Anthracene
Concen: 52.051 ng
RT: 17.25 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion:178 Resp: 2275629
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.2 12.2 18.4





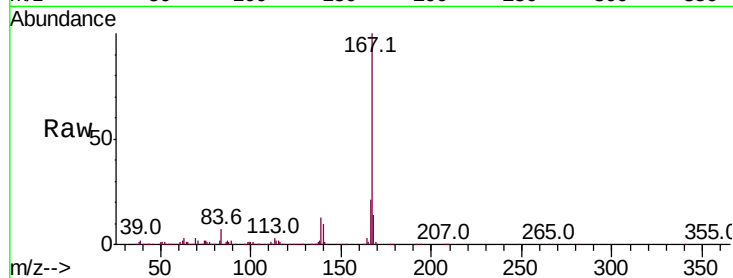
#73
 Carbazole
 Concen: 44.813 ng
 RT: 17.53 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	13.2	10.6	16.0

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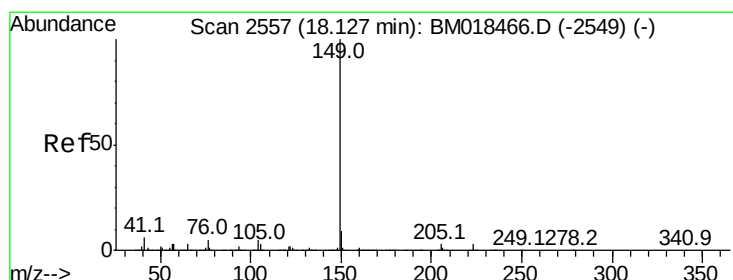
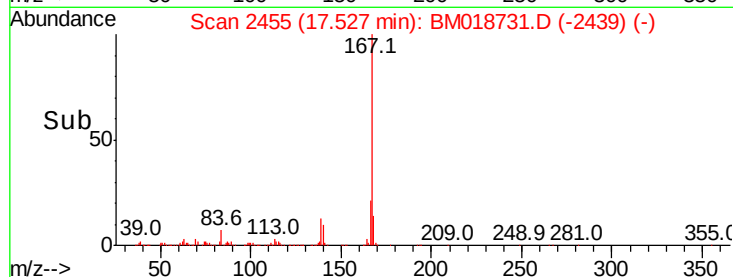
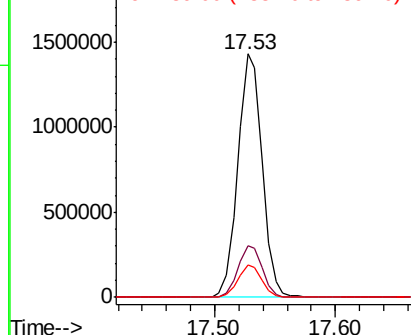


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 48.121 ng
 RT: 18.09 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

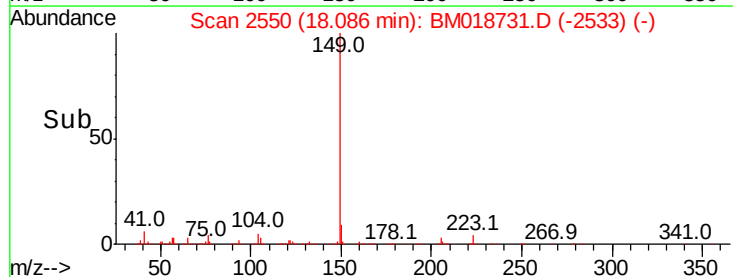
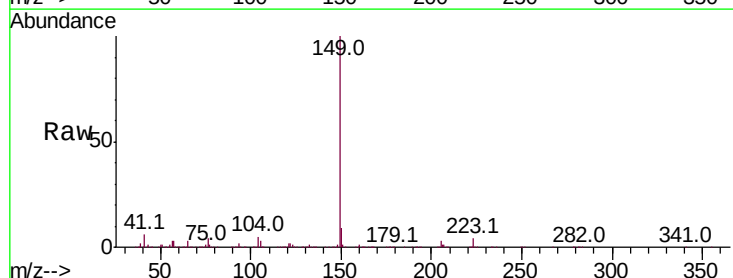
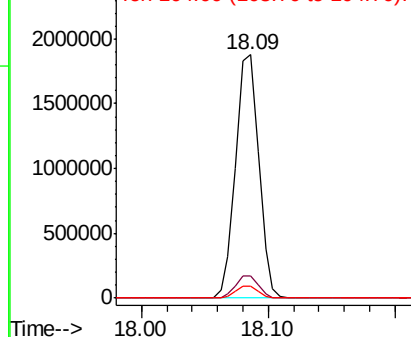
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.8	4.2	6.4

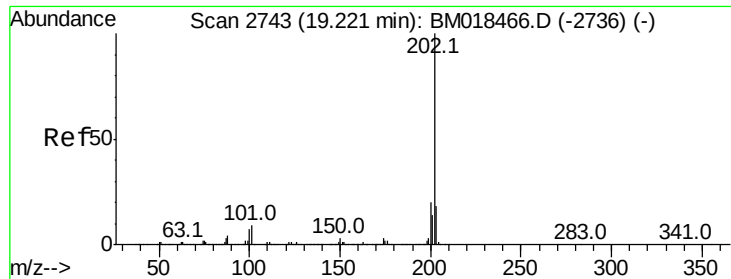
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.021 ng

RT: 19.18 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

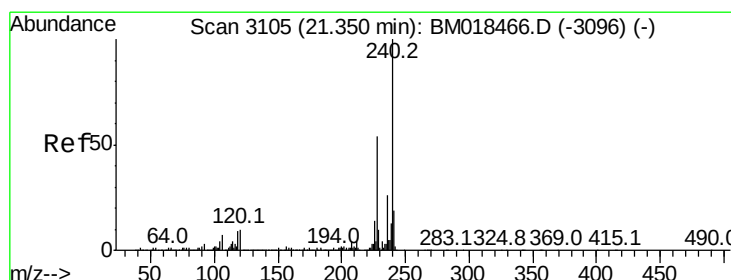
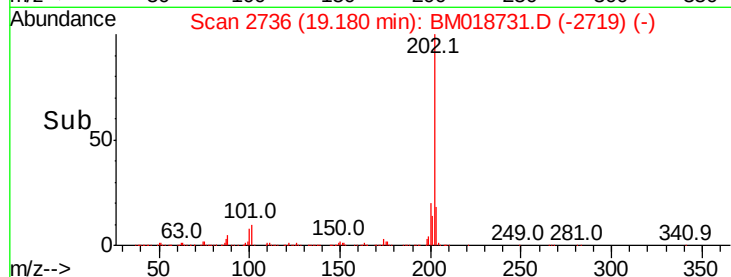
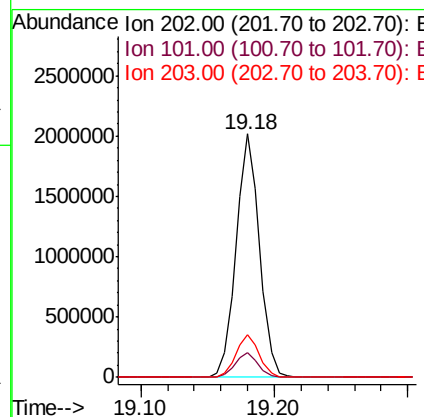
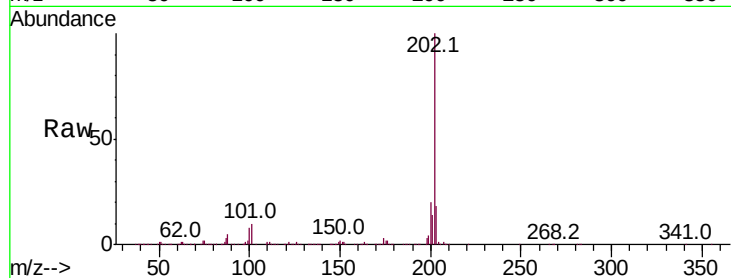
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	202	Resp:	2464703
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.9
203	17.6	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

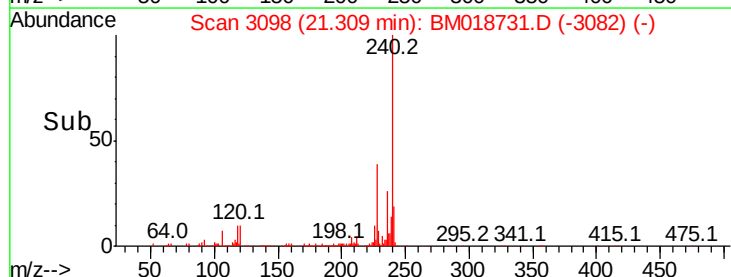
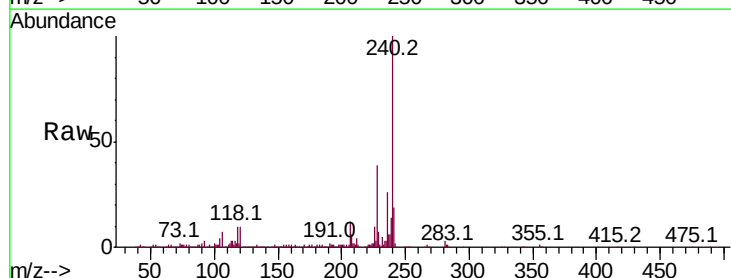
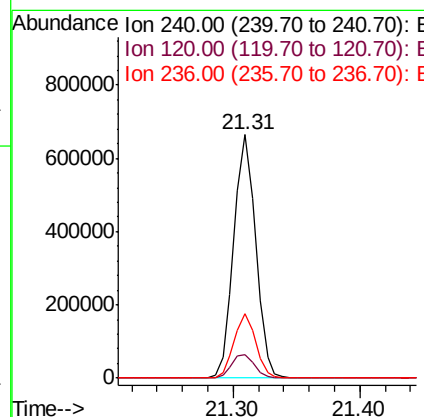
RT: 21.31 min Scan# 3098

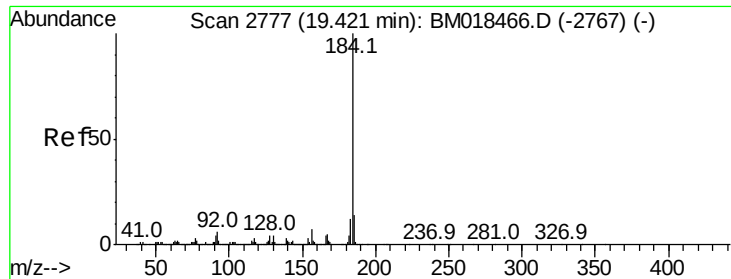
Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	240	Resp:	795486
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	26.4	20.7	31.1





#77

Benzidine

Concen: 9.639 ng

RT: 19.38 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

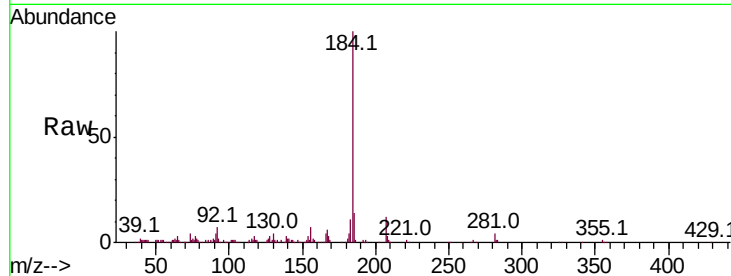
ClientSampleId :

OR-02-013119-AMSD

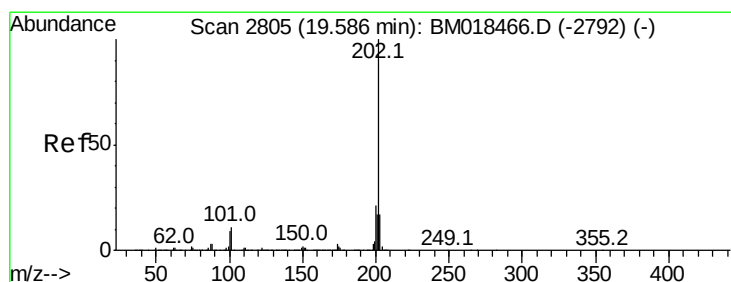
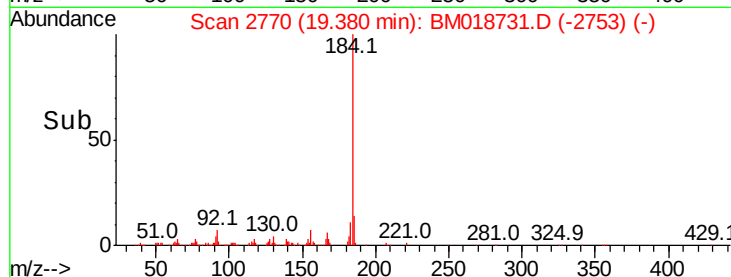
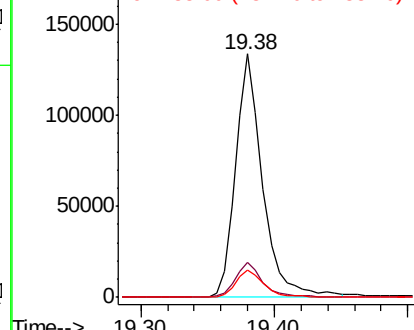
Tot Ion:	184	Resp:	189318
Ion Ratio	Lower	Upper	
184	100		
185	14.4	11.4	17.0
183	11.1	9.5	14.3

Manual Integrations
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.468 ng

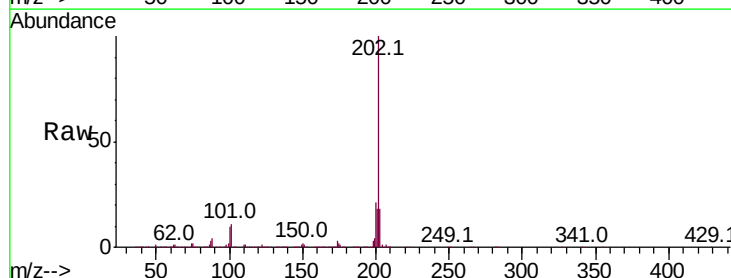
RT: 19.54 min Scan# 2798

Delta R.T. -0.01 min

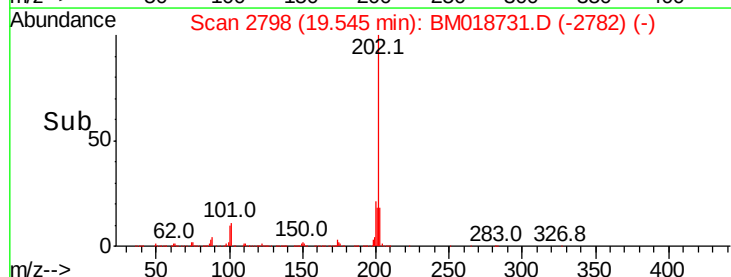
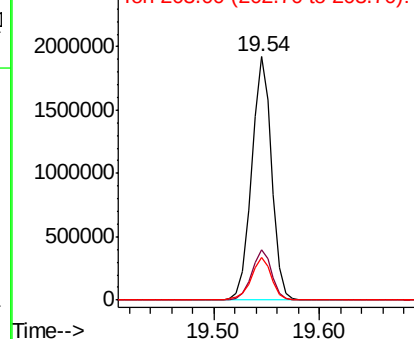
Lab File: BM018731.D

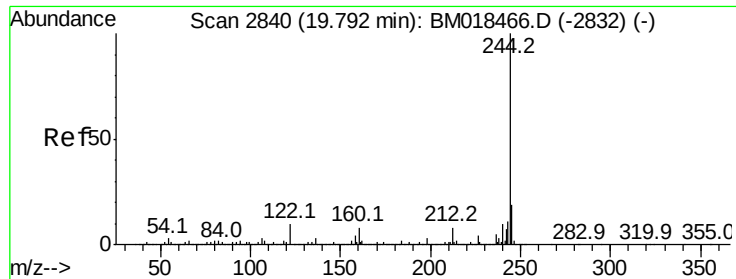
Acq: 04 Feb 2019 22:37

Tgt Ion:	202	Resp:	2521142
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	17.7	13.8	20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





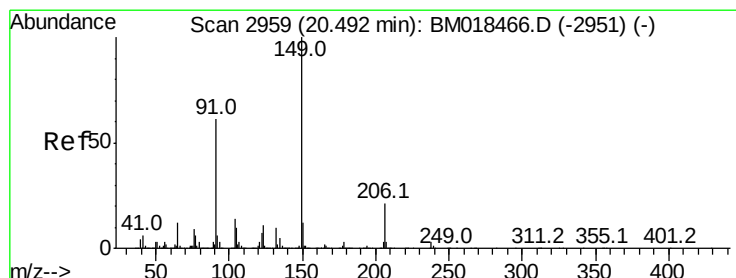
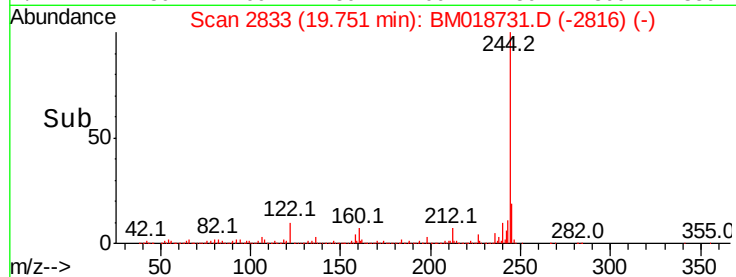
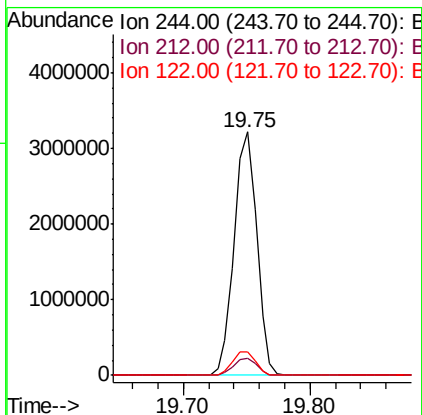
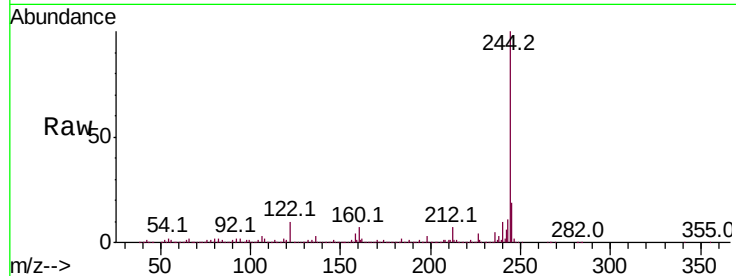
#79
 Terphenyl-d14
 Concen: 105.092 ng
 RT: 19.75 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.9	9.0	13.4

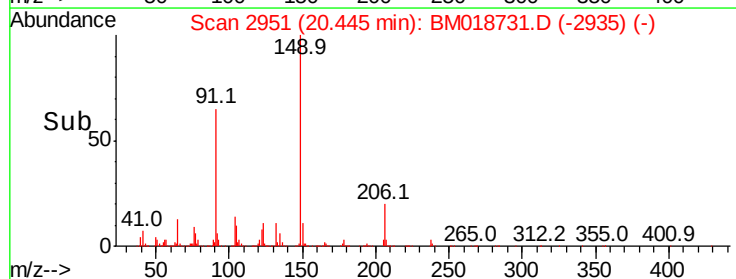
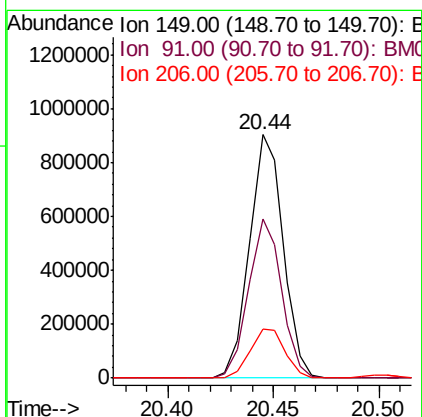
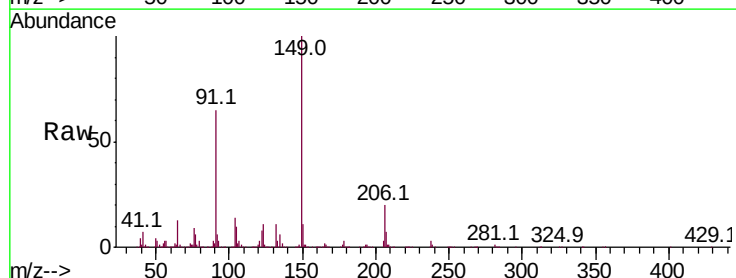
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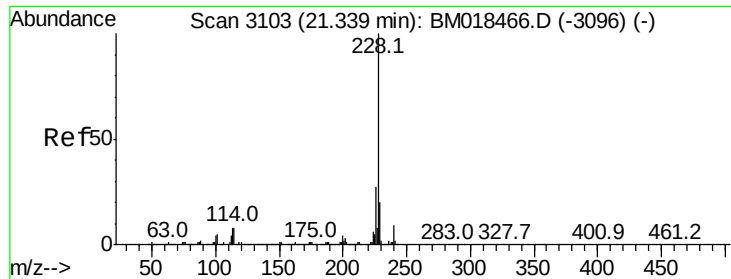
mohammad
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#80
 Butylbenzylphthalate
 Concen: 49.920 ng
 RT: 20.44 min Scan# 2951
 Delta R.T. -0.01 min
 Lab File: BM018731.D
 Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.3	53.1	79.7
206	20.2	16.2	24.4





#81

Benzo(a)anthracene

Concen: 51.067 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

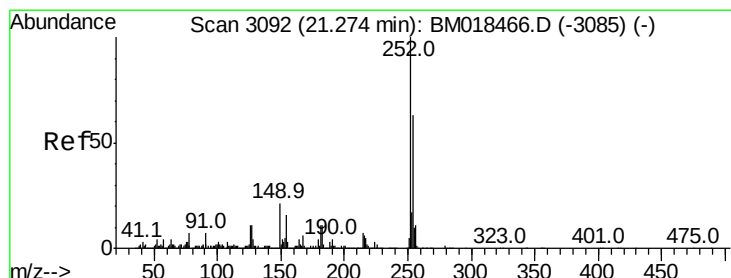
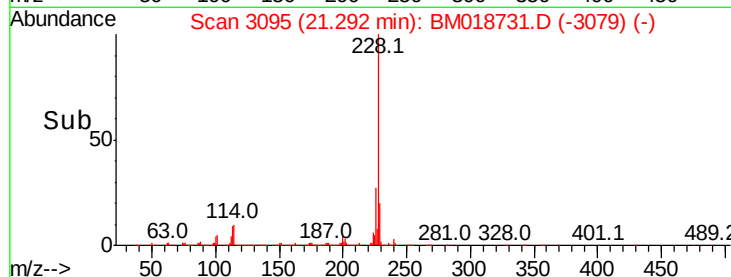
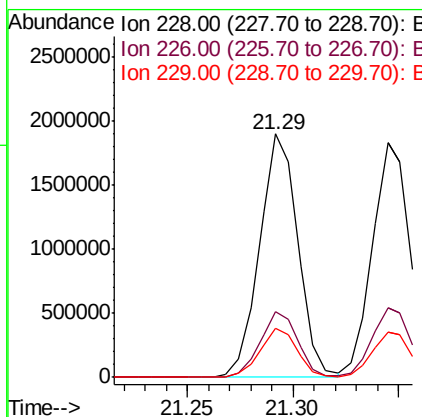
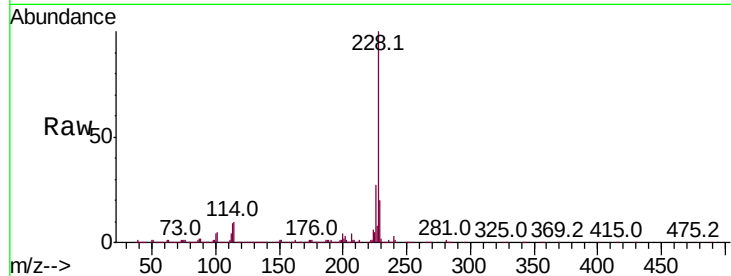
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	228	Resp:	2393192
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	19.9	15.8	23.8

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 9.877 ng

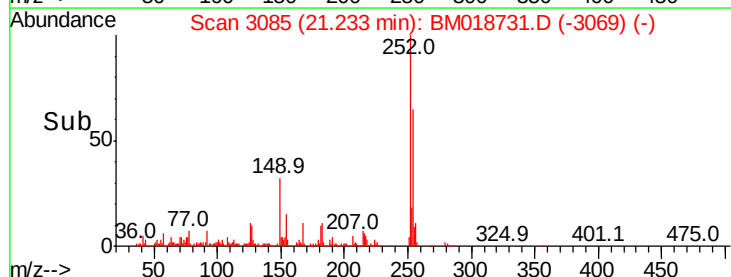
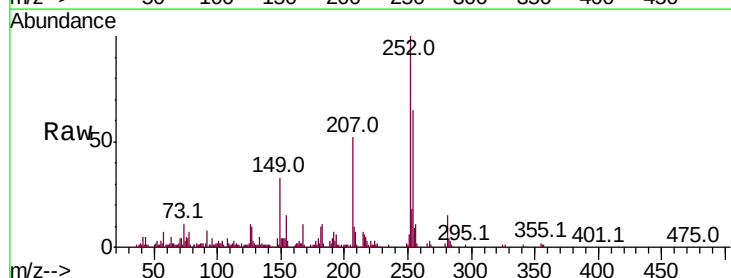
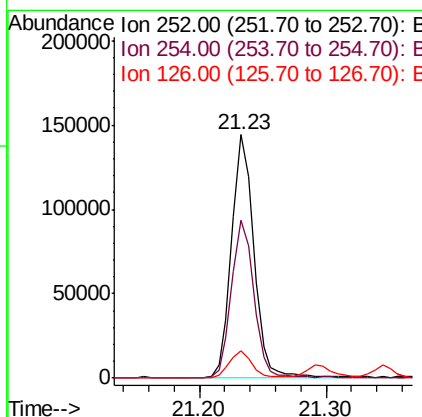
RT: 21.23 min Scan# 3085

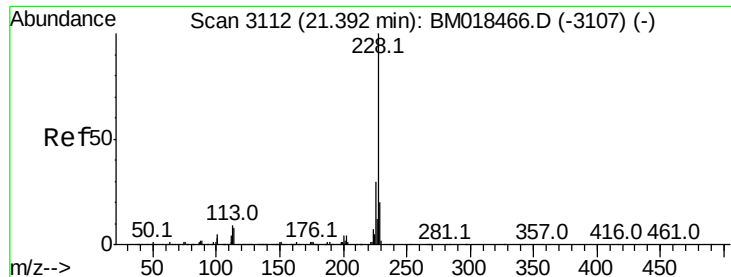
Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	252	Resp:	175038
Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.4	77.0
126	11.4	8.7	13.1





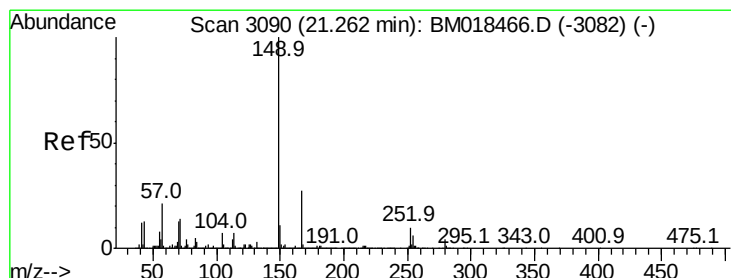
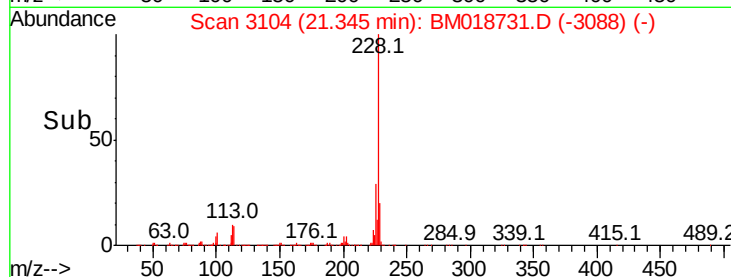
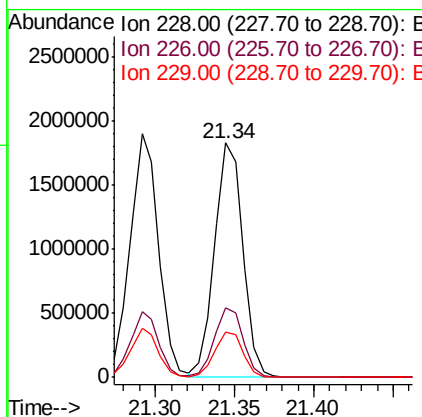
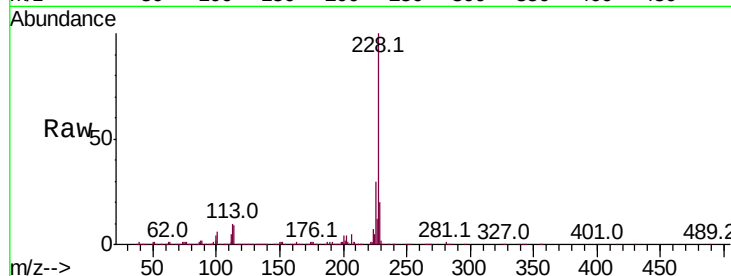
#83
Chrysene
Concen: 50.129 ng
RT: 21.34 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.6	15.6	23.4

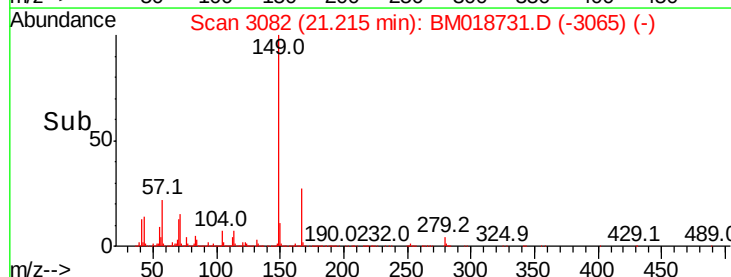
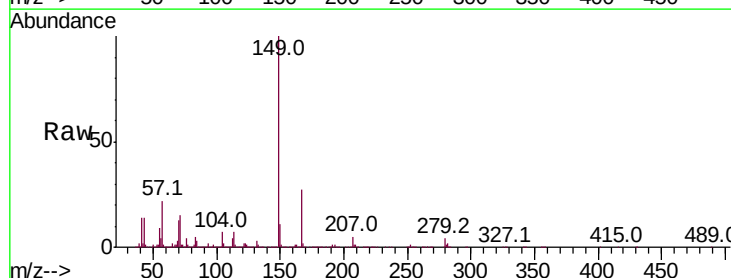
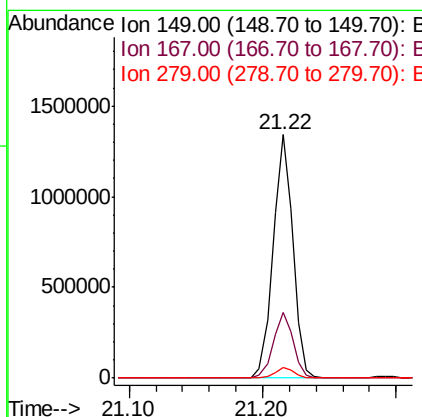
Manual Integrations
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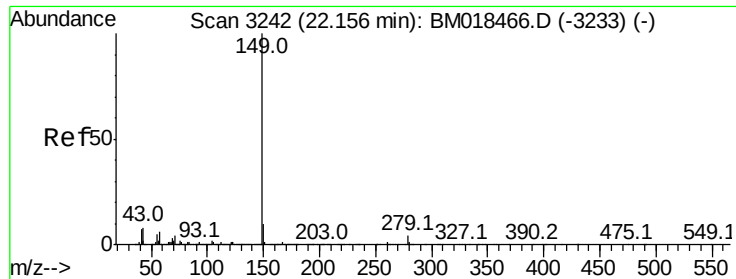
mohammad
2/5/2019 8:41:40 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.693 ng
RT: 21.22 min Scan# 3082
Delta R.T. 0.00 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.2	3.3	4.9





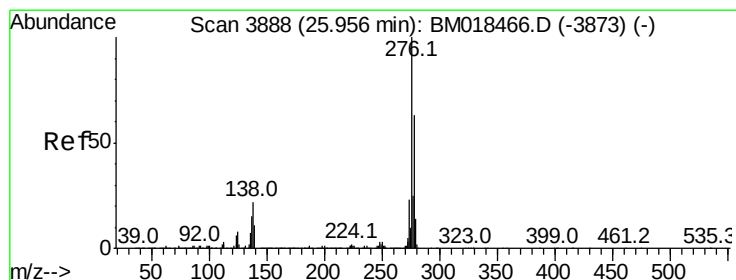
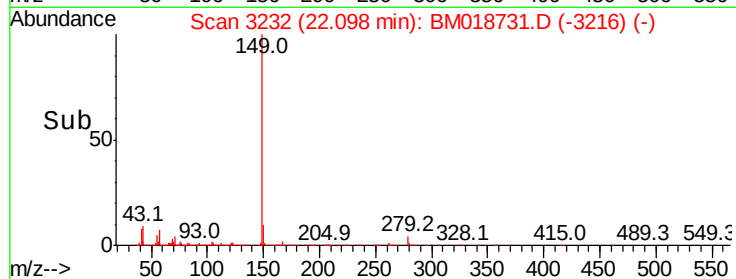
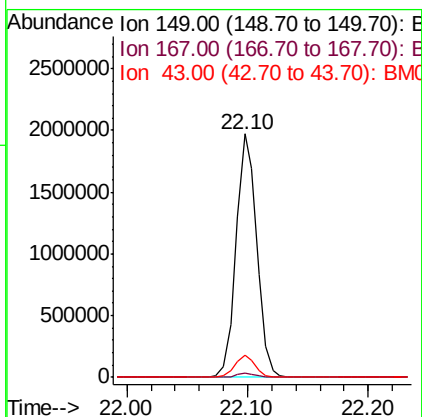
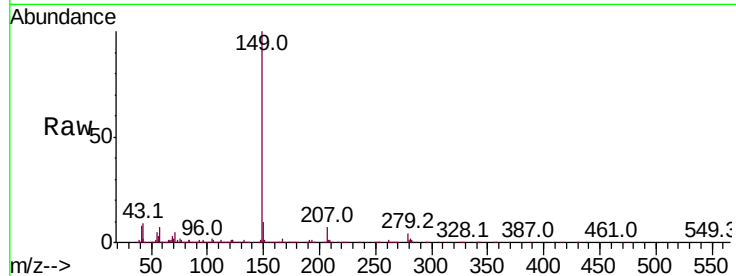
#85
Di-n-octyl phthalate
Concen: 48.003 ng
RT: 22.10 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	8.6	12.8

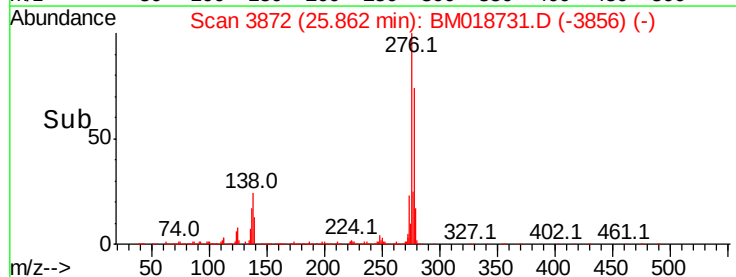
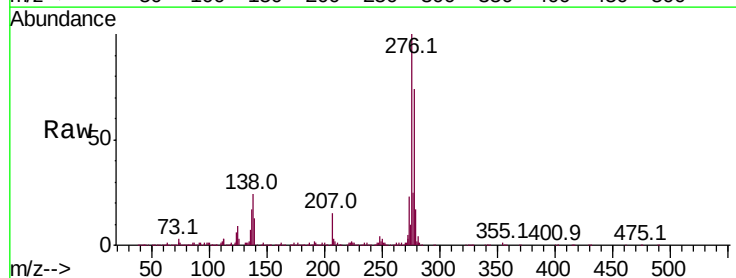
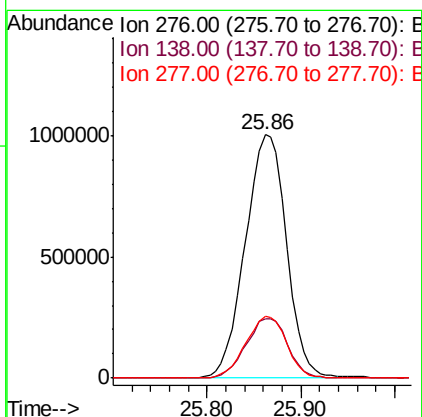
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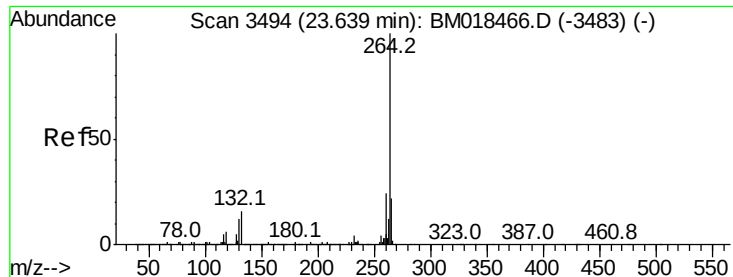
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 58.403 ng
RT: 25.86 min Scan# 3872
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	21.5	32.3
277	25.2	20.2	30.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Instrument :

BNA_M

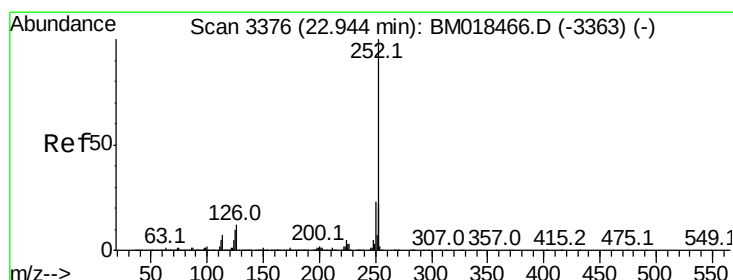
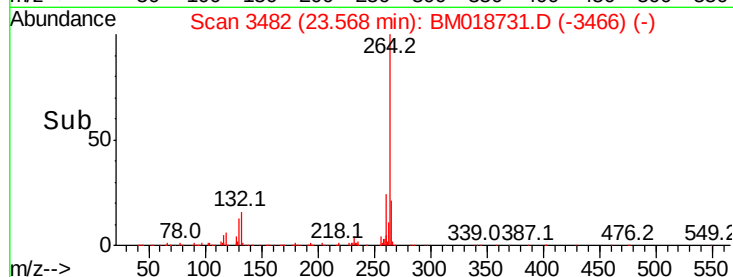
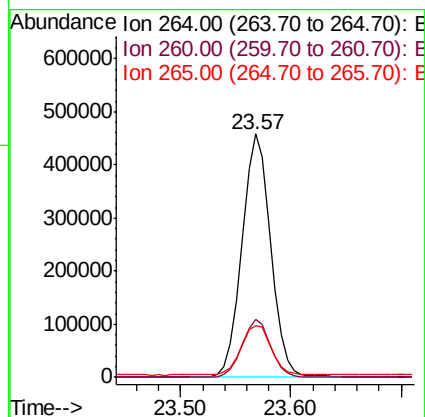
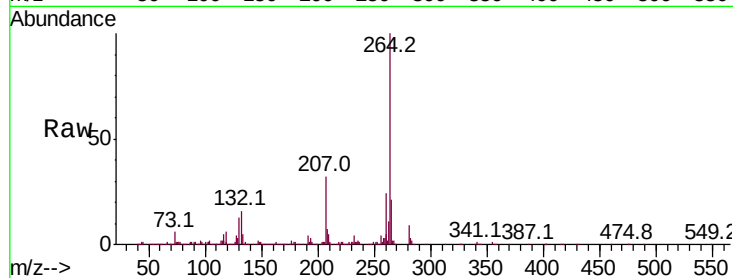
ClientSampleId :

OR-02-013119-AMSD

Tot Ion:	264	Resp:	840974
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.9	28.3
265	21.4	16.8	25.2

Manual Integrations
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2/5/2019 8:41:40 AM



#88

Benzo(b)fluoranthene

Concen: 50.564 ng

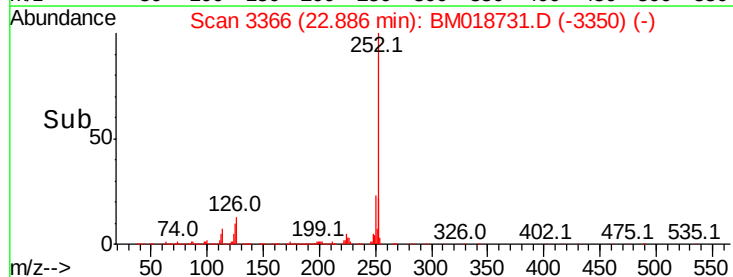
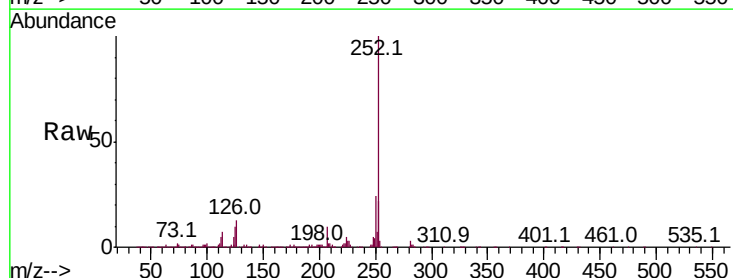
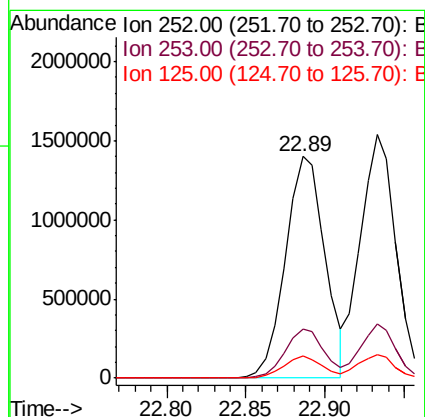
RT: 22.89 min Scan# 3366

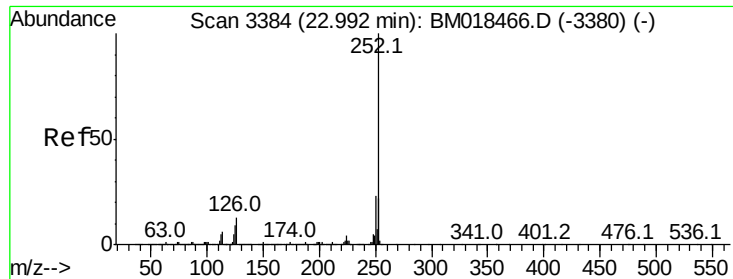
Delta R.T. -0.01 min

Lab File: BM018731.D

Acq: 04 Feb 2019 22:37

Tgt Ion:	252	Resp:	2414134
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.6	26.4
125	9.9	8.5	12.7





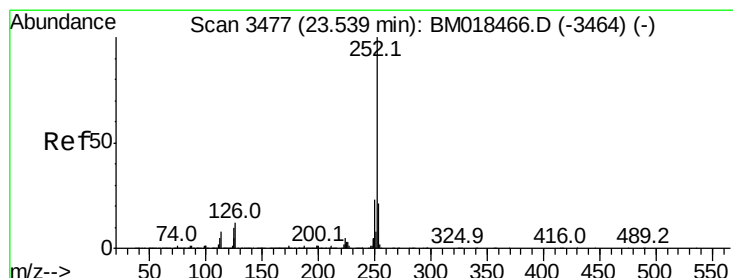
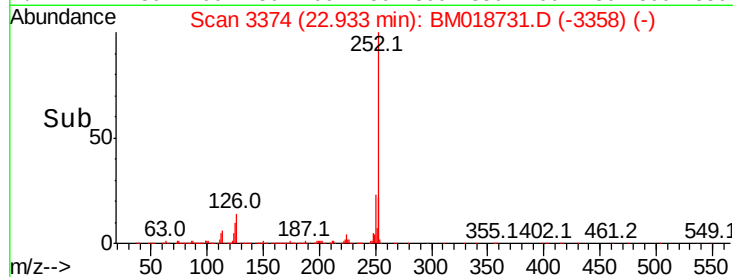
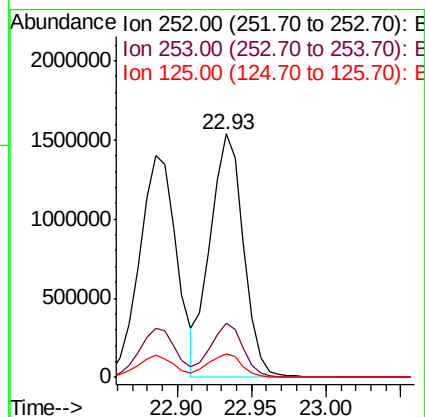
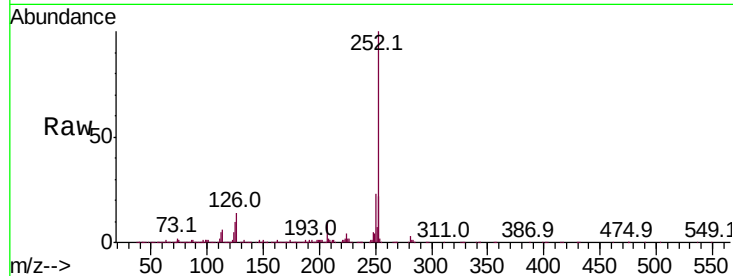
#89
Benzo(k)fluoranthene
Concen: 49.605 ng
RT: 22.93 min Scan# 3374
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.7	8.6	12.8

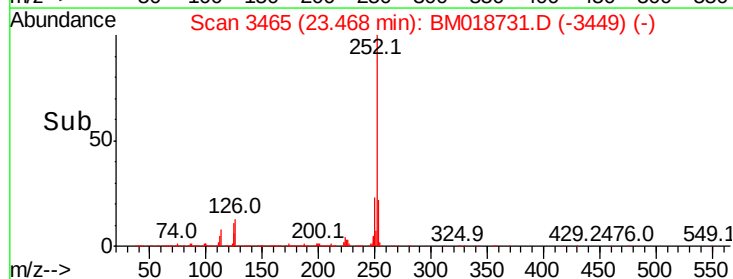
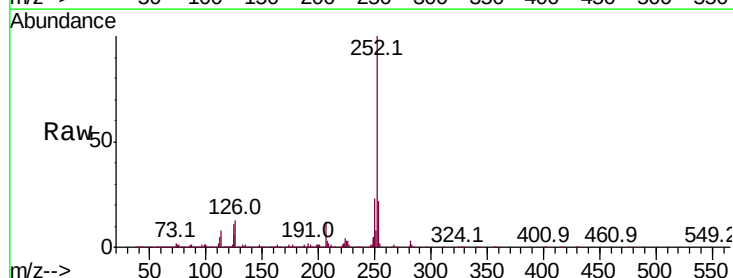
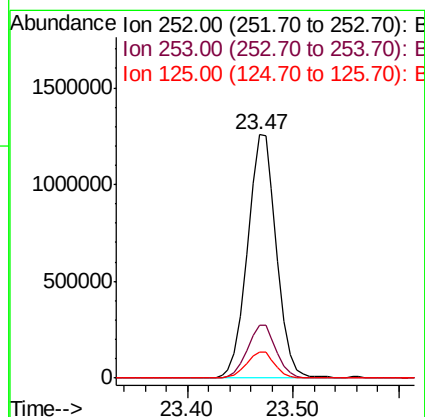
Manual Integrations
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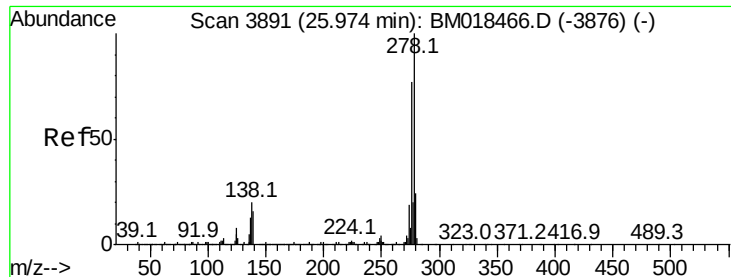
mohammad
2/5/2019 8:41:40 AM



#90
Benzo(a)pyrene
Concen: 51.969 ng
RT: 23.47 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.6	9.7	14.5





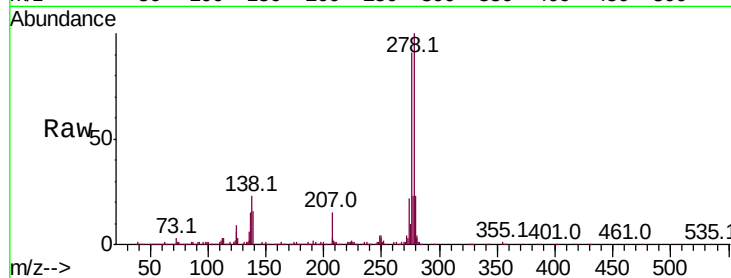
#91
Dibenzo(a,h)anthracene
Concen: 55.316 ng
RT: 25.87 min Scan# 3874
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Instrument :
BNA_M
ClientSampleId :
OR-02-013119-AMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.2	19.8
279	23.3	19.0	28.4

Manual Integrations
APPROVED

mohammad
2/5/2019 8:41:40 AM

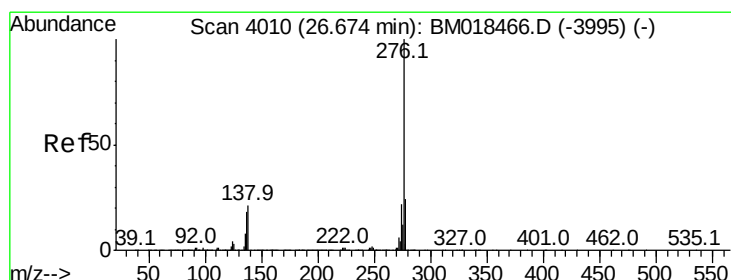
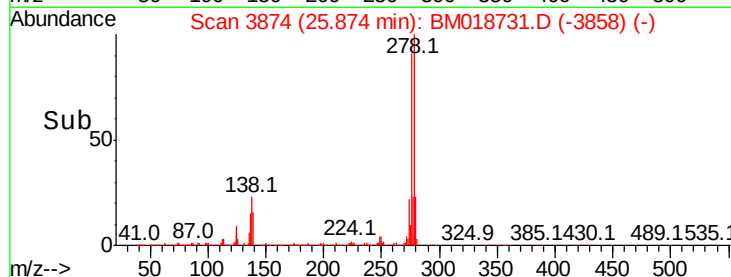
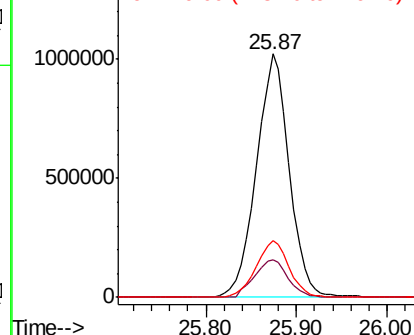


Abundance

Ion 278.00 (277.70 to 278.70): E

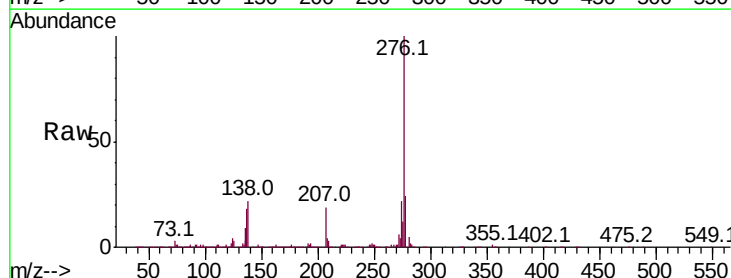
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 56.174 ng
RT: 26.57 min Scan# 3992
Delta R.T. -0.01 min
Lab File: BM018731.D
Acq: 04 Feb 2019 22:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.6	18.1	27.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

