

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

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Manual Integrations
 APPROVED

mohammad
 12/6/2018 12:20:28 PM

Quant Time: Dec 06 06:02:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.20	88	116790	32.571	ng	# 23
3) Pyridine	3.59	79	267817	25.463	ng	# 83
4) n-Nitrosodimethylamine	3.50	42	136156	29.387	ng	# 77
6) Aniline	6.92	93	101976	6.839	ng	95
8) 2-Chlorophenol	7.14	128	377089	36.597	ng	93
9) Benzaldehyde	6.73	77	57016	6.509	ng	97
10) Phenol	6.79	94	358074	28.371	ng	94
11) bis(2-Chloroethyl)ether	7.01	93	338885	34.013	ng	94
12) 1,3-Dichlorobenzene	7.45	146	379783	32.853	ng	96
13) 1,4-Dichlorobenzene	7.60	146	389469	32.869	ng	100
14) 1,2-Dichlorobenzene	7.91	146	379524	33.032	ng	96
15) Benzyl Alcohol	7.82	79	286184	29.885	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.10	45	381861	25.172	ng	90
17) 2-Methylphenol	8.02	107	286738	33.724	ng	97
18) Hexachloroethane	8.62	117	138819	33.241	ng	96
19) n-Nitroso-di-n-propylamine	8.37	70	265426	30.742	ng	88
20) 3+4-Methylphenols	8.35	107	368605	31.203	ng	96
22) Acetophenone	8.39	105	536013	39.202	ng	# 93
24) Nitrobenzene	8.76	77	393339	36.533	ng	98
25) Isophorone	9.28	82	701359	42.791	ng	99
26) 2-Nitrophenol	9.46	139	198619	40.050	ng	94
27) 2,4-Dimethylphenol	9.53	122	323146	45.212	ng	97
28) bis(2-Chloroethoxy)methane	9.76	93	431107	38.836	ng	98
29) 2,4-Dichlorophenol	9.99	162	320121	38.584	ng	97
30) 1,2,4-Trichlorobenzene	10.20	180	348559	36.121	ng	97
31) Naphthalene	10.38	128	1076775	39.976	ng	99
32) Benzoic acid	9.69	122	200635m	30.989	ng	
33) 4-Chloroaniline	10.52	127	65839	5.581	ng	99
34) Hexachlorobutadiene	10.66	225	211160	35.248	ng	96
35) Caprolactam	11.31	113	75152m	24.596	ng	
36) 4-Chloro-3-methylphenol	11.65	107	340530	35.549	ng	98
37) 2-Methylnaphthalene	12.00	142	777831	40.859	ng	99
38) 1-Methylnaphthalene	12.23	142	738854	39.583	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	393689	39.882	ng	98

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

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

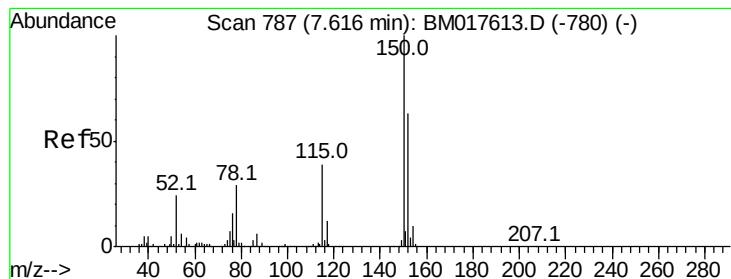
Manual Integrations
 APPROVED

mohammad
 12/6/2018 12:20:28 PM

Quant Time: Dec 06 06:02:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.35	237	488846	95.836	nq	99
43) 2,4,6-Trichlorophenol	12.63	196	257082	41.578	nq	97
44) 2,4,5-Trichlorophenol	12.71	196	271753	41.625	nq	97
46) 1,1'-Biphenyl	13.04	154	963034	38.326	nq	99
47) 2-Chloronaphthalene	13.07	162	744295	39.907	nq	99
48) 2-Nitroaniline	13.30	65	205287	35.591	nq	91
49) Acenaphthylene	13.93	152	1206382	43.051	nq	99
50) Dimethylphthalate	13.69	163	900393	39.560	nq	99
51) 2,6-Dinitrotoluene	13.81	165	202188	39.894	nq	91
52) Acenaphthene	14.28	154	694677	40.395	nq	99
53) 3-Nitroaniline	14.15	138	84765	15.362	nq	# 96
54) 2,4-Dinitrophenol	14.36	184	252017	81.320	nq	95
55) Dibenzofuran	14.62	168	1109228	39.469	nq	98
56) 4-Nitrophenol	14.47	139	288876	63.381	nq	93
57) 2,4-Dinitrotoluene	14.61	165	277023	40.550	nq	97
58) Fluorene	15.27	166	889406	41.339	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.85	232	242258	40.344	nq	99
60) Diethylphthalate	15.06	149	905428	36.818	nq	99
61) 4-Chlorophenyl-phenylether	15.27	204	447261	36.590	nq	99
62) 4-Nitroaniline	15.32	138	143281	27.552	nq	96
63) Azobenzene	15.56	77	823722	36.234	nq	96
65) 4,6-Dinitro-2-methylphenol	15.37	198	161304	39.513	nq	94
66) n-Nitrosodiphenylamine	15.49	169	677180	35.742	nq	98
67) 4-Bromophenyl-phenylether	16.17	248	275645	39.550	nq	98
68) Hexachlorobenzene	16.27	284	307246	39.105	nq	99
69) Atrazine	16.46	200	156920	22.518	nq	98
70) Pentachlorophenol	16.63	266	386386	70.186	nq	100
71) Phenanthrene	17.02	178	1374523	42.985	nq	100
72) Anthracene	17.10	178	1394519	44.817	nq	100
73) Carbazole	17.39	167	1024502	32.584	nq	99
74) Di-n-butylphthalate	17.95	149	1539253	43.977	nq	99
75) Fluoranthene	19.04	202	1576912	43.585	nq	100
77) Benzidine	19.26	184	41273m	1.958	nq	
78) Pyrene	19.41	202	1604052	40.156	nq	99
80) Butylbenzylphthalate	20.33	149	713724	43.991	nq	95
81) Benzo(a)anthracene	21.17	228	1628973	43.674	nq	98
82) 3,3'-Dichlorobenzidine	21.11	252	139998	9.725	nq	98
83) Chrysene	21.22	228	1534429	42.357	nq	100
84) Bis(2-ethylhexyl)phthalate	21.10	149	1026083	42.781	nq	100
85) Di-n-octyl phthalate	21.97	149	1805683	47.016	nq	# 95
86) Indeno(1,2,3-cd)pyrene	25.53	276	1896851	65.525	nq	100
88) Benzo(b)fluoranthene	22.71	252	1655962	46.048	nq	99
89) Benzo(k)fluoranthene	22.76	252	1604782	44.151	nq	99
90) Benzo(a)pyrene	23.27	252	1563962	47.697	nq	100
91) Dibenzo(a,h)anthracene	25.54	278	1655223	60.045	nq	99
92) Benzo(g,h,i)perylene	26.19	276	1578916	60.909	nq	99

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



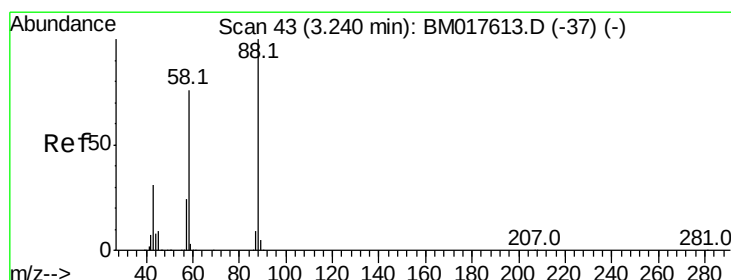
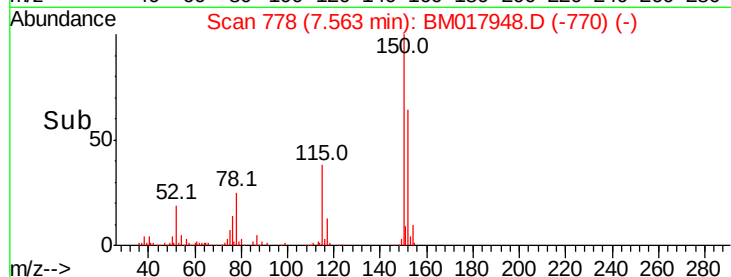
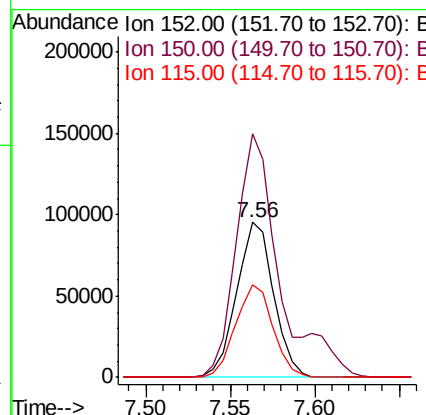
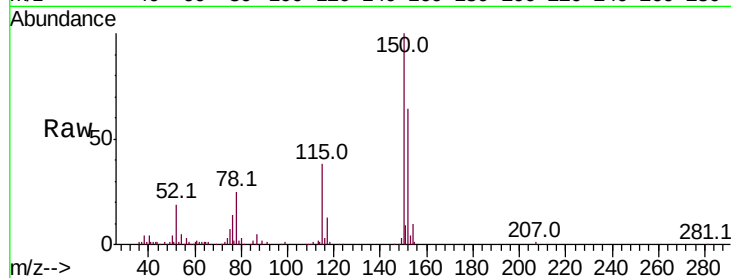
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.56 min Scan# 778
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.4	189.6
115	59.4	49.4	74.0

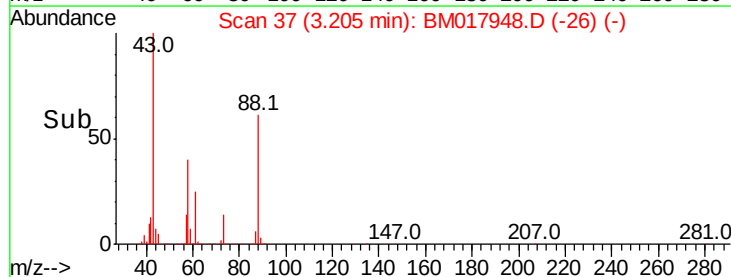
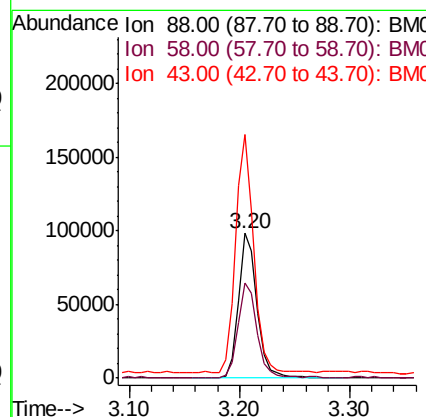
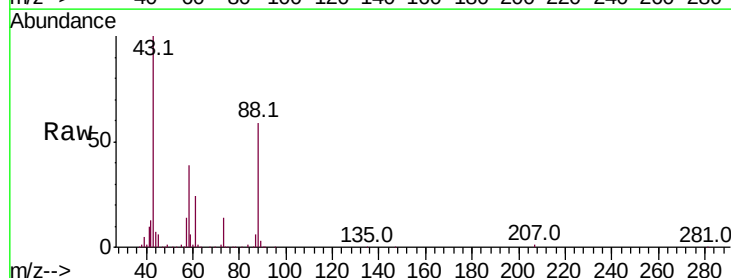
Manual Integrations
 APPROVED

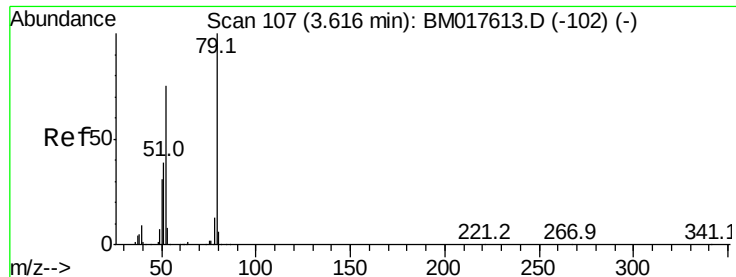
mohammad
 12/6/2018 12:20:28 PM



#2
 1,4-Dioxane
 Concen: 32.571 ng
 RT: 3.20 min Scan# 37
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

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





#3

Pvridine

Concen: 25.463 ng

RT: 3.59 min Scan# 102

Delta R.T. -0.03 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

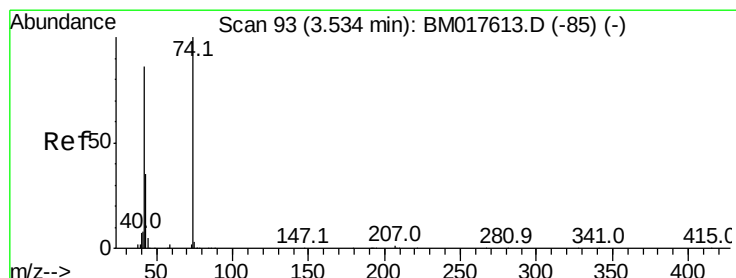
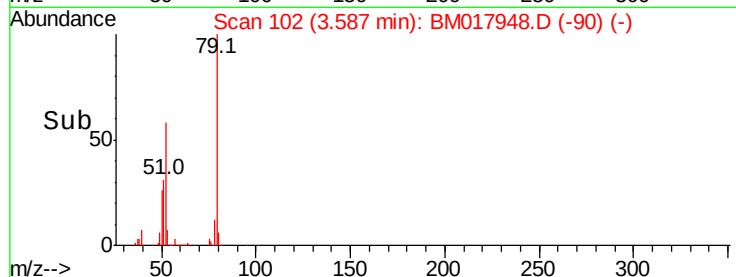
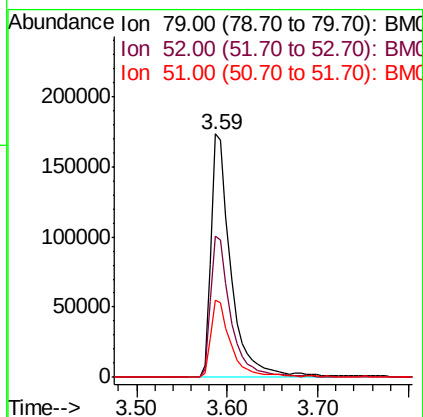
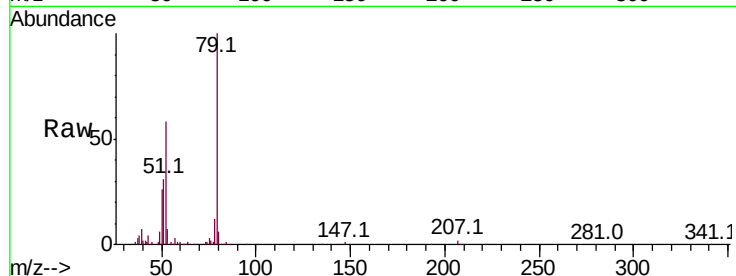
ClientSampleId :

RO-331MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	58.1	60.1	90.1#
51	31.5	31.1	46.7

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#4

n-Nitrosodimethylamine

Concen: 29.387 ng

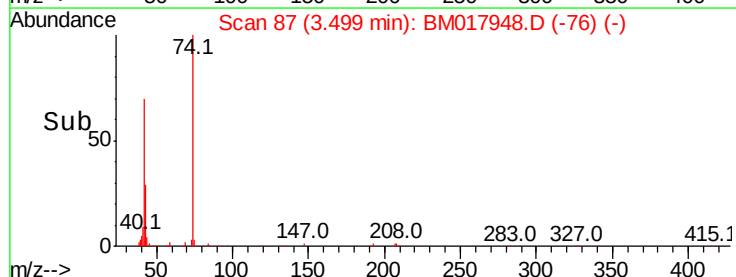
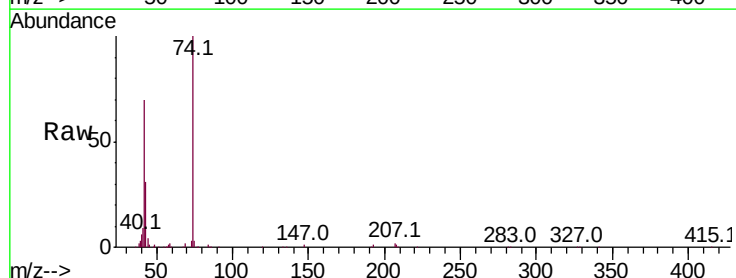
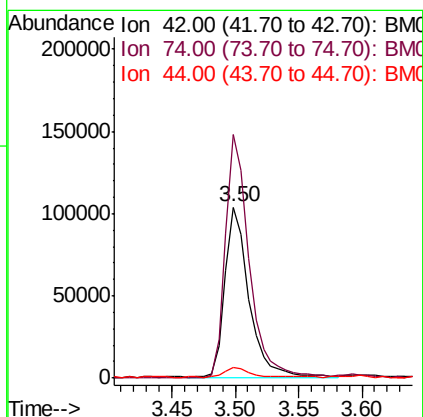
RT: 3.50 min Scan# 87

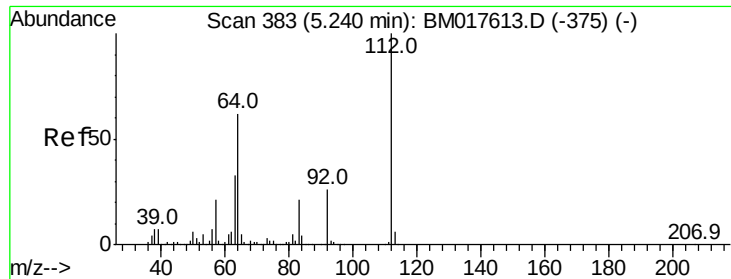
Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

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





#5

2-Fluorophenol

Concen: 91.719 ng

RT: 5.20 min Scan# 376

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

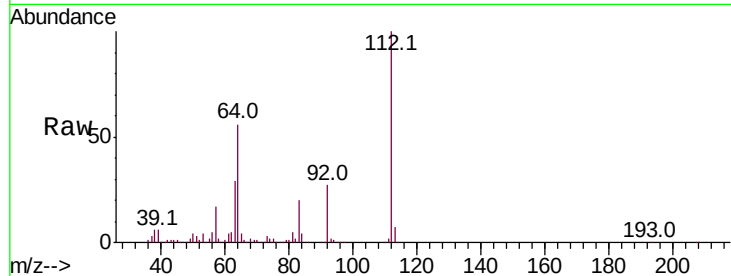
ClientSampleId :

RO-331MSD

Tot Ion:	112	Resp:	789661
Ion Ratio	Lower	Upper	
112	100		
64	55.6	49.3	73.9
63	29.3	26.2	39.4

Manual Integrations
APPROVED

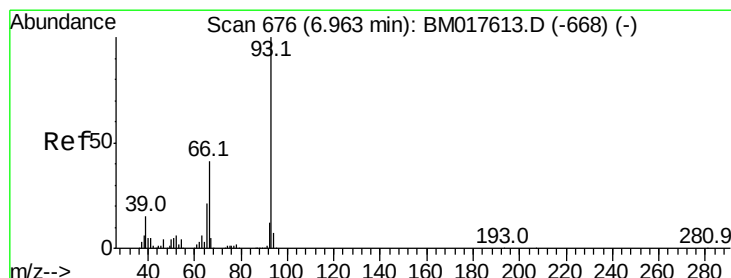
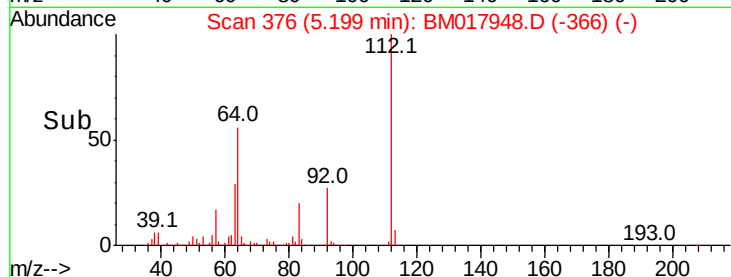
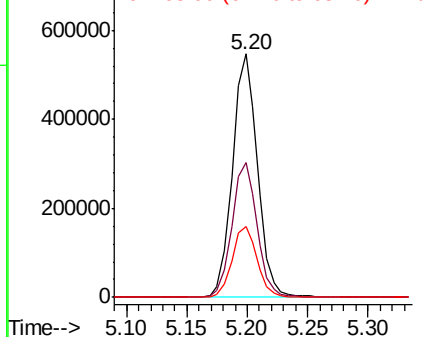
mohammad
12/6/2018 12:20:28 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 6.839 ng

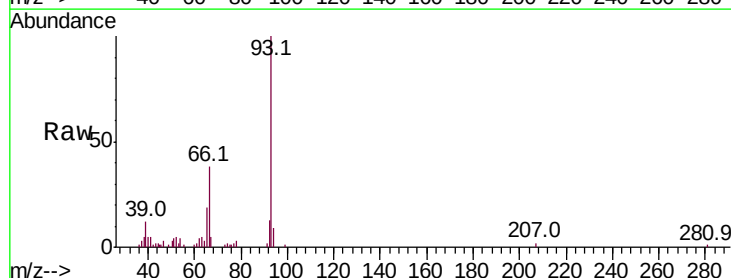
RT: 6.92 min Scan# 668

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

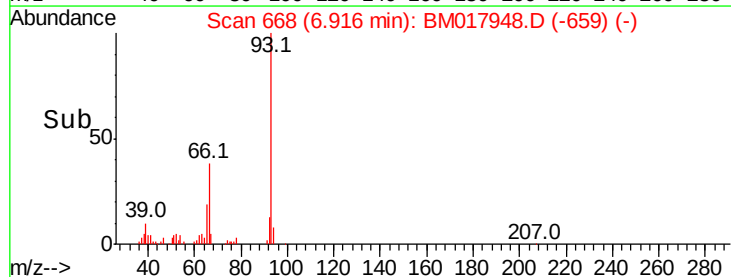
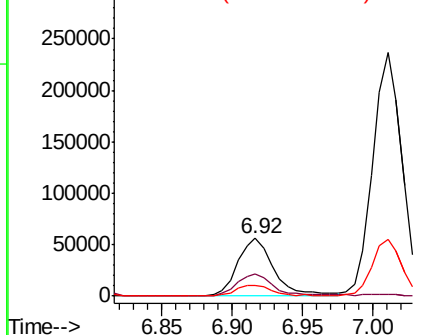
Tgt Ion:	93	Resp:	101976
Ion Ratio	Lower	Upper	
93	100		
66	37.9	32.8	49.2
65	18.9	16.6	25.0

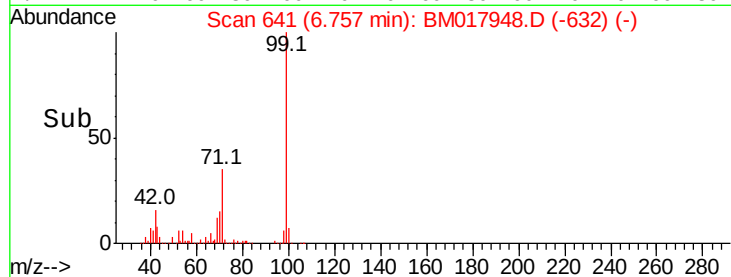
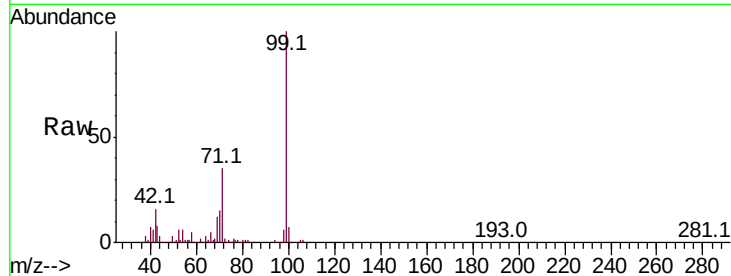
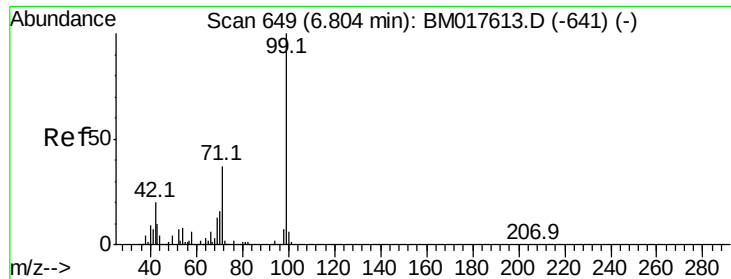


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 76.873 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tot Ion	99	Resp	924353
Ion Ratio	Lower	Upper	
99	100		
42	16.2	16.3	24.5#
71	35.1	29.8	44.8

Instrument :

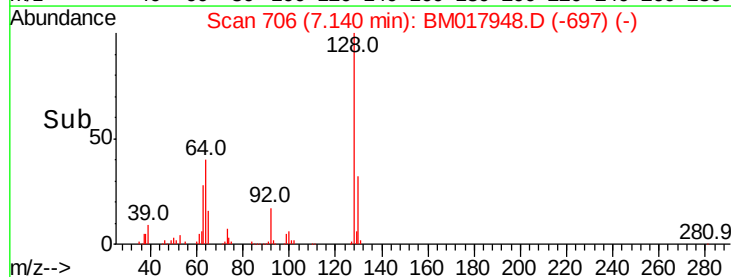
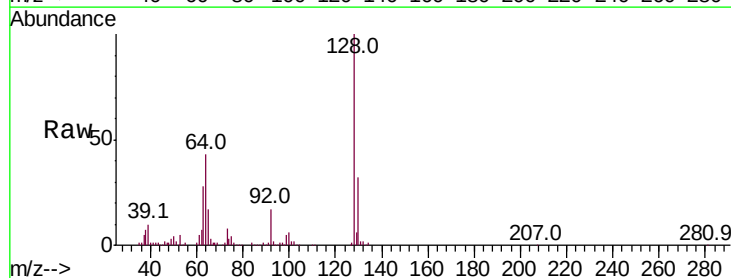
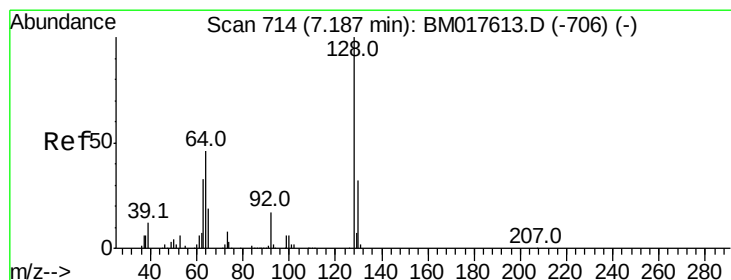
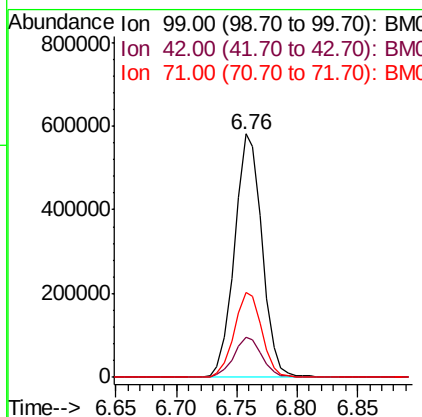
BNA_M

ClientSampleId :

RO-331MSD

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#8

2-Chlorophenol

Concen: 36.597 ng

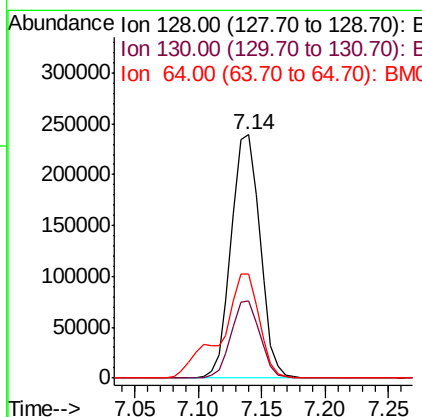
RT: 7.14 min Scan# 706

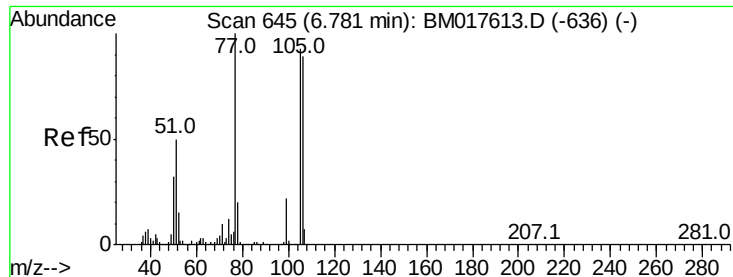
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion	128	Resp	377089
Ion Ratio	Lower	Upper	
128	100		
130	32.0	12.4	52.4
64	42.5	30.0	70.0





#9

Benzaldehyde

Concen: 6.509 ng

RT: 6.73 min Scan# 636

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

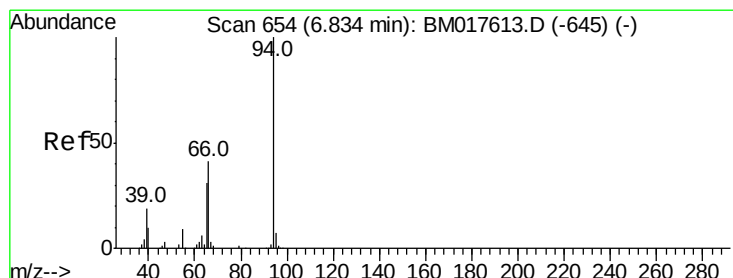
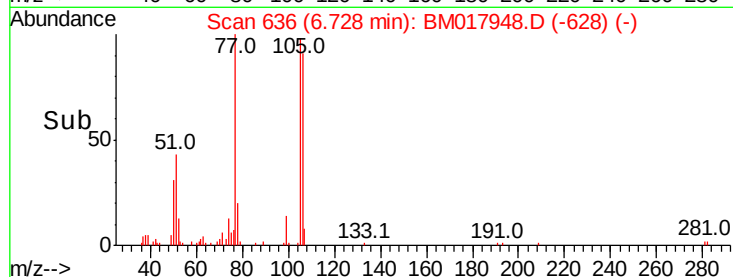
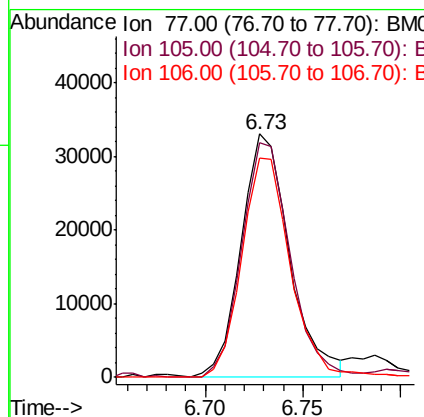
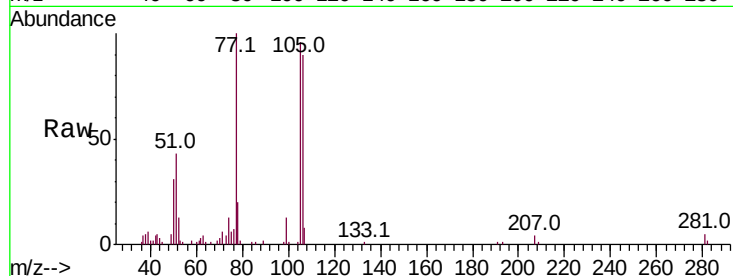
ClientSampled :

RO-331MSD

Tot Ion:	77	Resp:	57016
Ion	Ratio	Lower	Upper
77	100		
105	96.4	72.7	112.7
106	90.1	68.9	108.9

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#10

Phenol

Concen: 28.371 ng

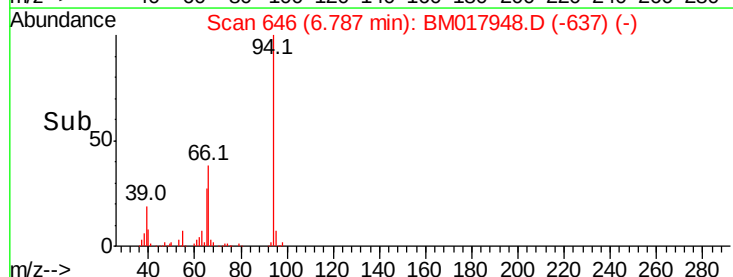
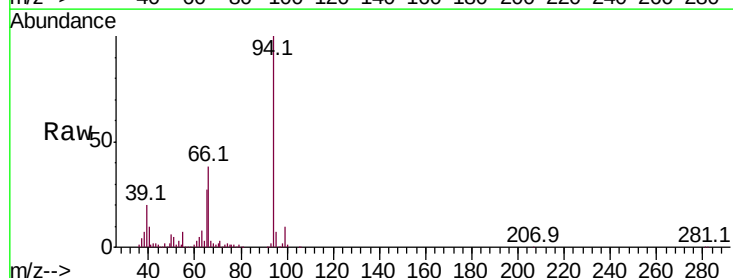
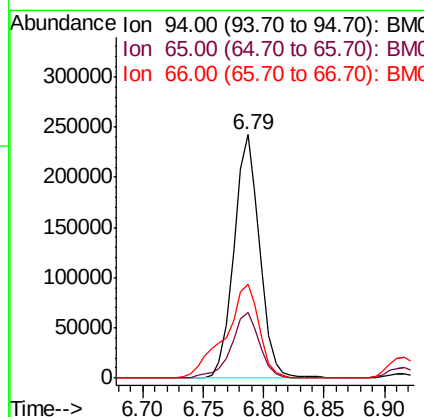
RT: 6.79 min Scan# 646

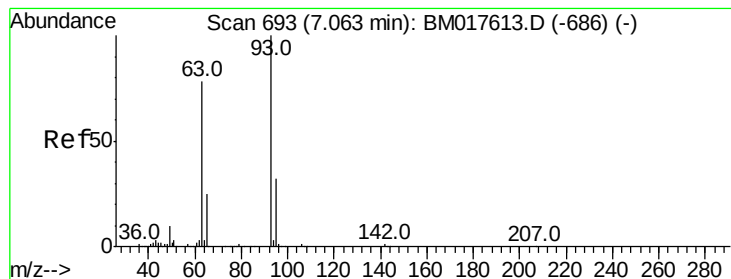
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:	94	Resp:	358074
Ion	Ratio	Lower	Upper
94	100		
65	26.9	11.4	51.4
66	38.3	21.4	61.4





#11

bis(2-Chloroethyl)ether

Concen: 34.013 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

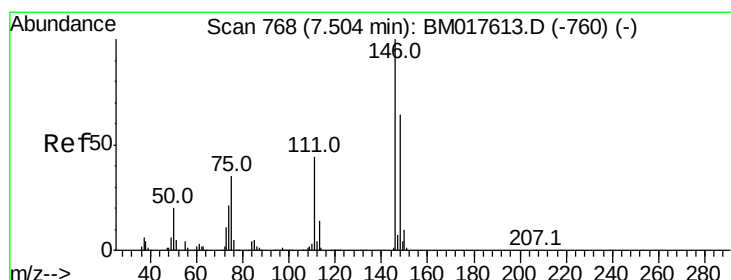
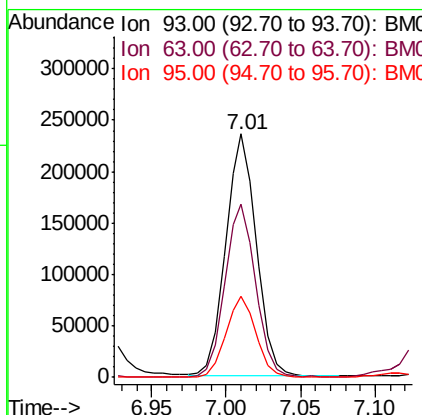
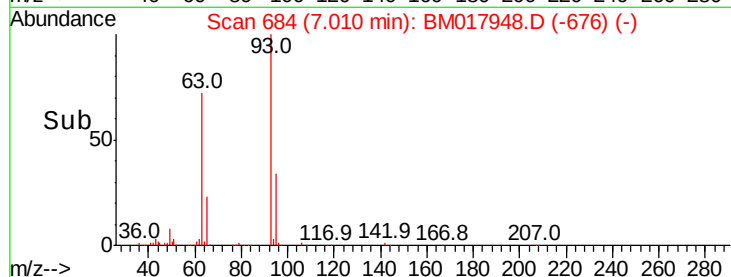
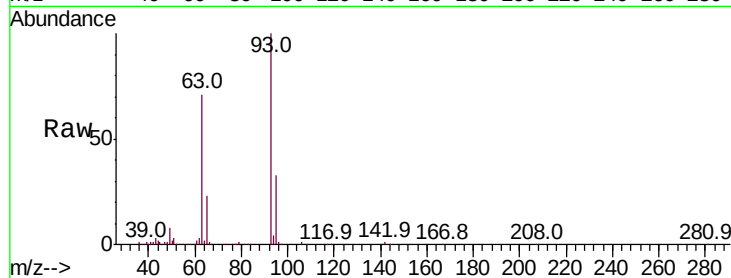
ClientSampleId :

RO-331MSD

Tot Ion	93	Resp	338885
Ion Ratio	Lower	Upper	
93	100		
63	71.2	57.9	97.9
95	33.3	12.3	52.3

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#12

1,3-Dichlorobenzene

Concen: 32.853 ng

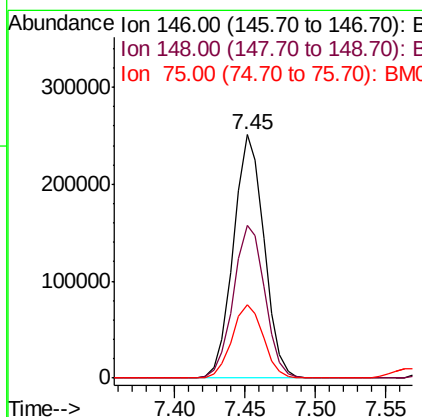
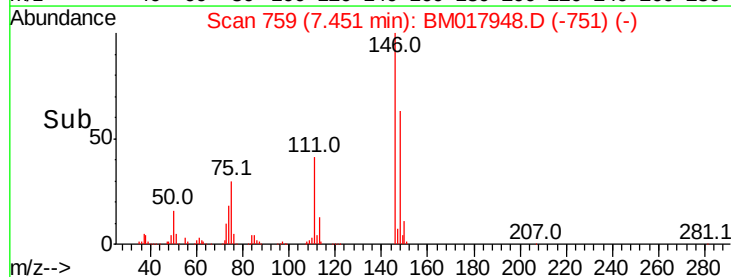
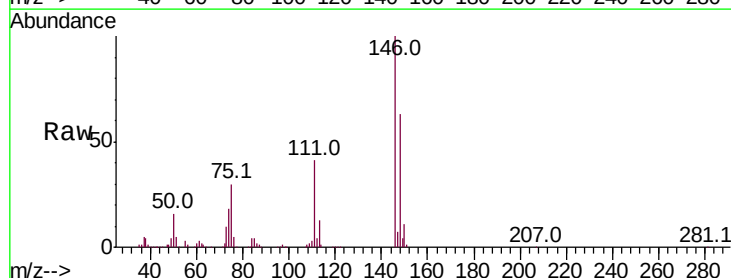
RT: 7.45 min Scan# 759

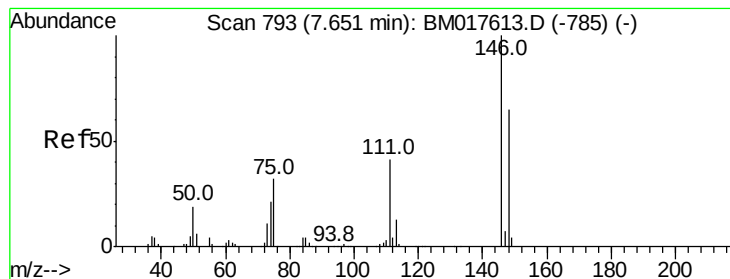
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion	146	Resp	379783
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.2	76.8
75	30.0	28.2	42.2





#13

1,4-Dichlorobenzene

Concen: 32.869 ng

RT: 7.60 min Scan# 784

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

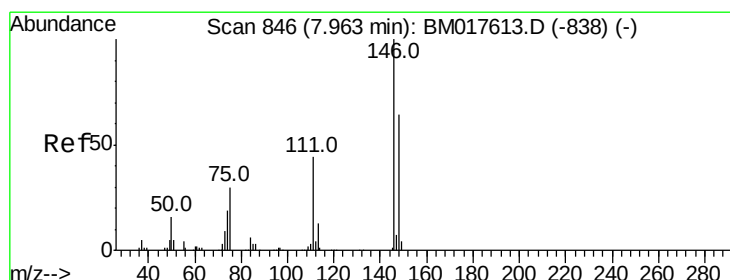
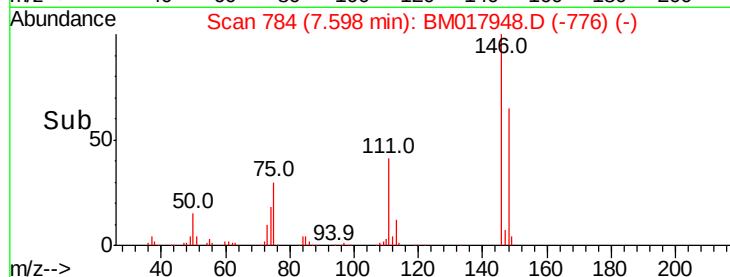
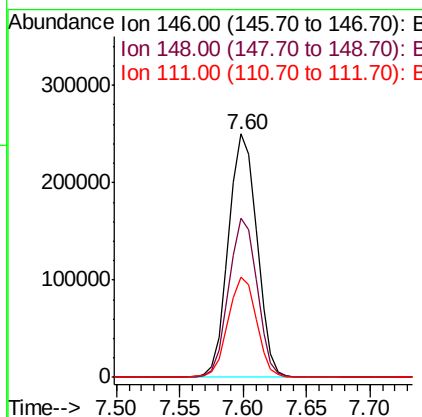
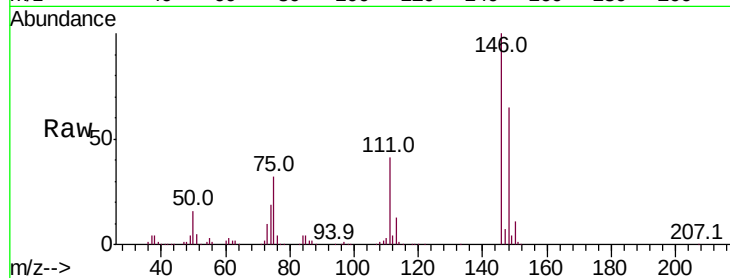
ClientSampleId :

RO-331MSD

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

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#14

1,2-Dichlorobenzene

Concen: 33.032 ng

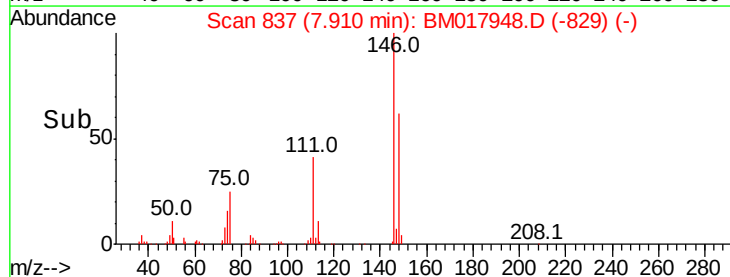
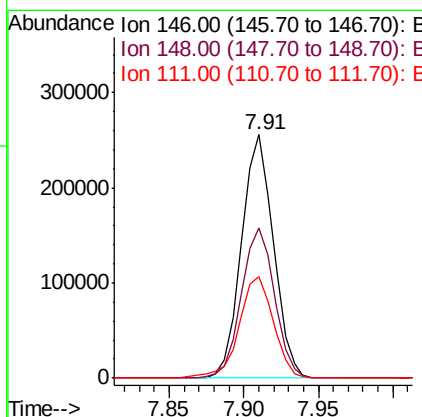
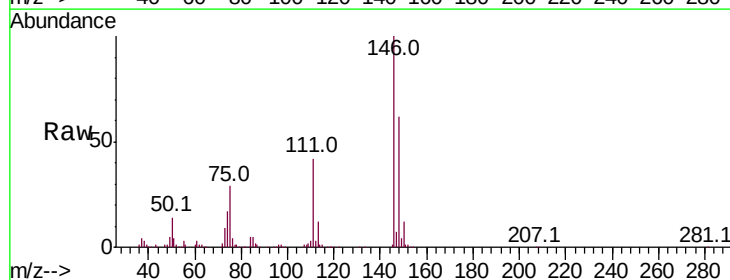
RT: 7.91 min Scan# 837

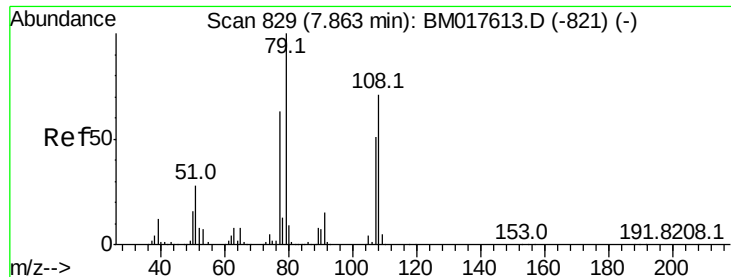
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

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





#15

Benzyl Alcohol

Concen: 29.885 ng

RT: 7.82 min Scan# 821

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

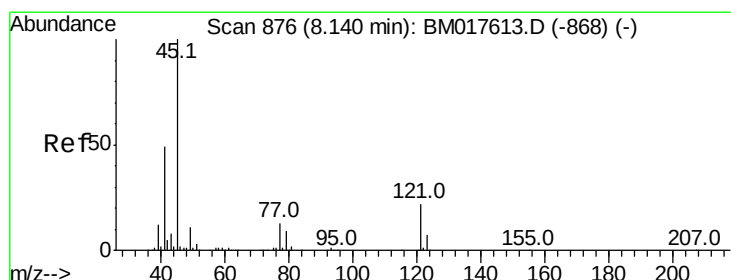
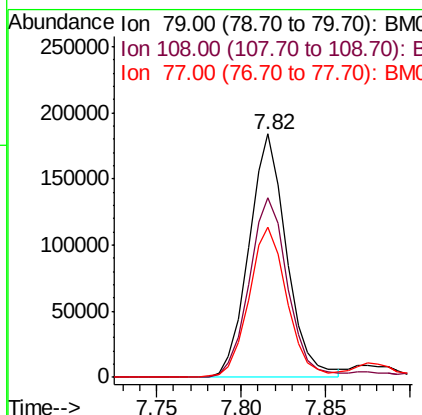
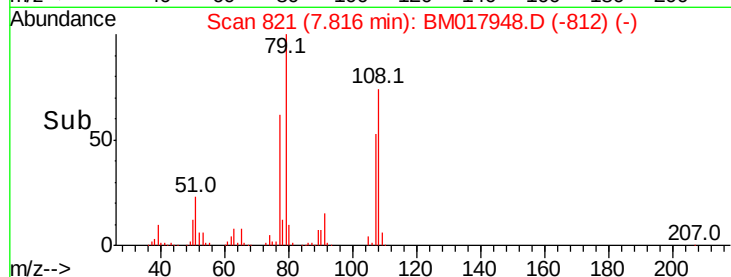
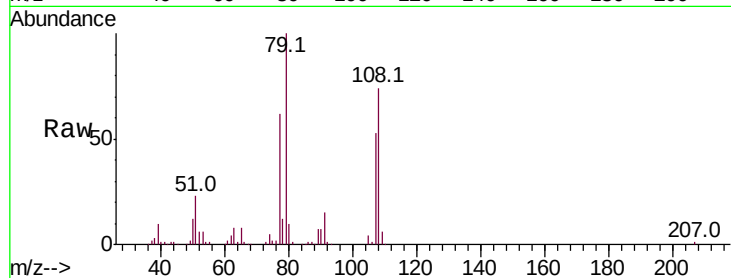
ClientSampleID :

RO-331MSD

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

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 25.172 ng

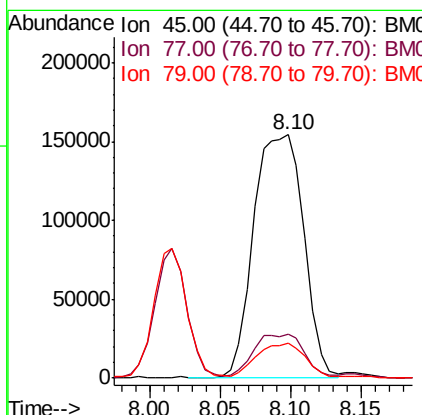
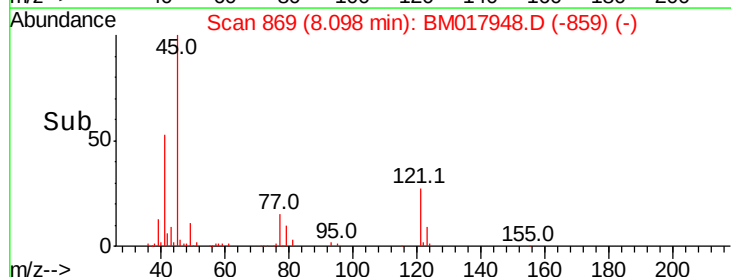
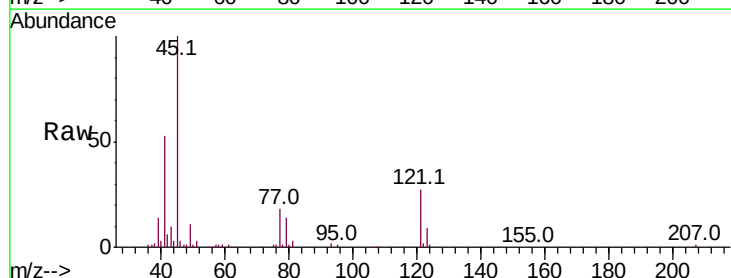
RT: 8.10 min Scan# 869

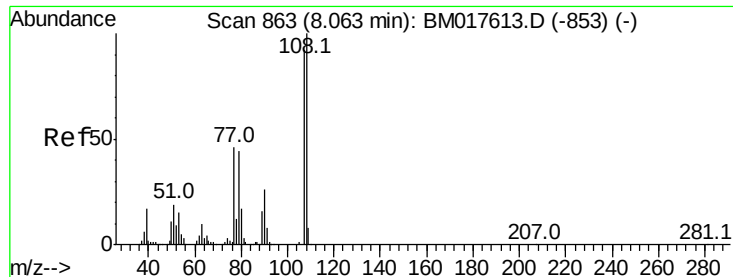
Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

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





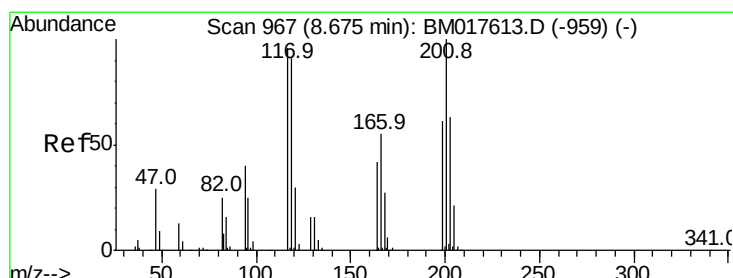
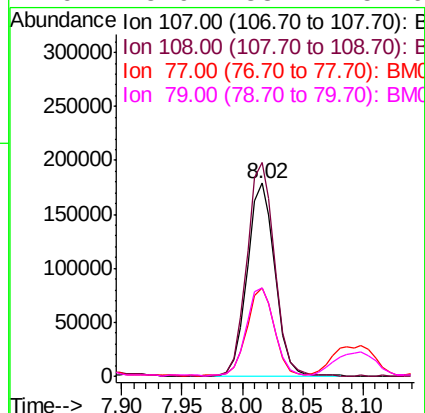
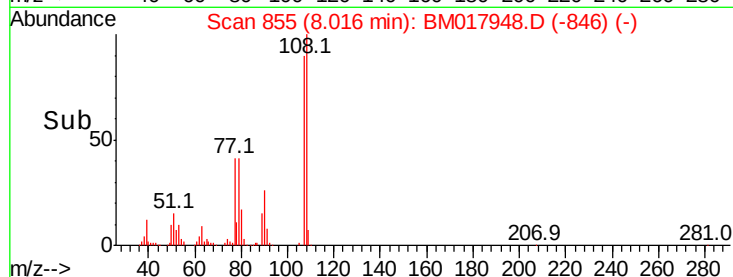
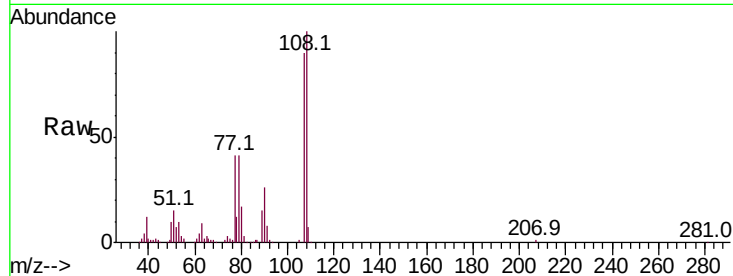
#17
2-Methylphenol
Concen: 33.724 ng
RT: 8.02 min Scan# 855
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	286738		
108	110.8	86.7	130.1	
77	45.9	39.8	59.6	
79	45.9	38.4	57.6	

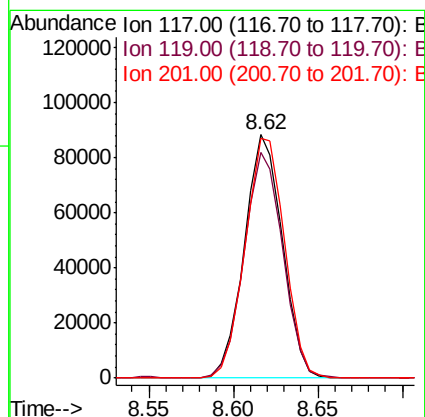
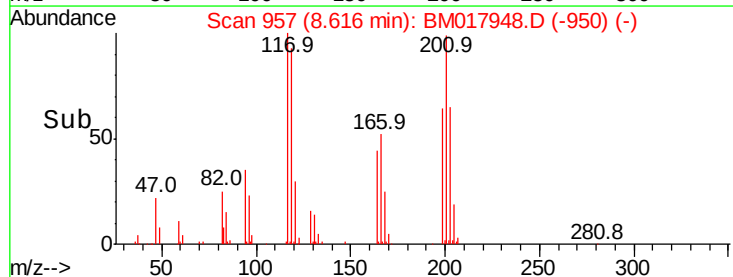
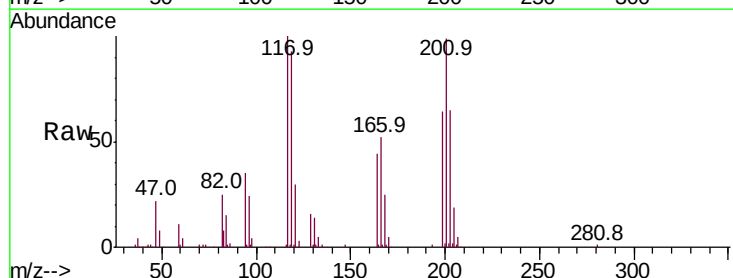
Manual Integrations
APPROVED

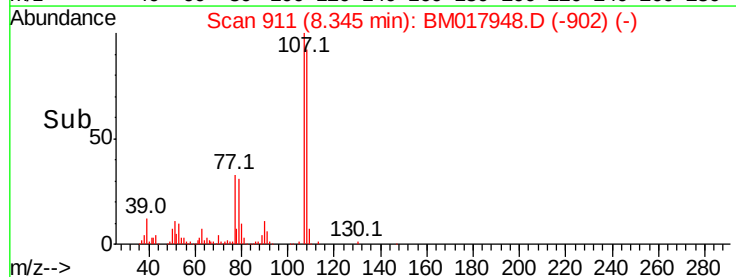
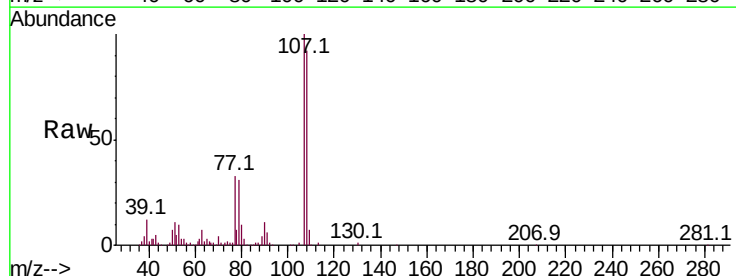
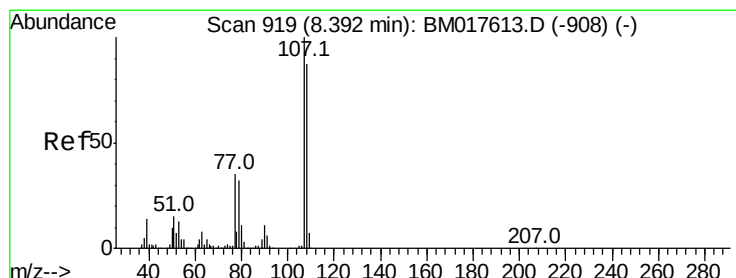
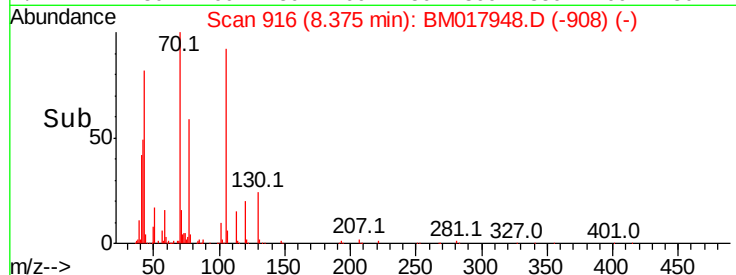
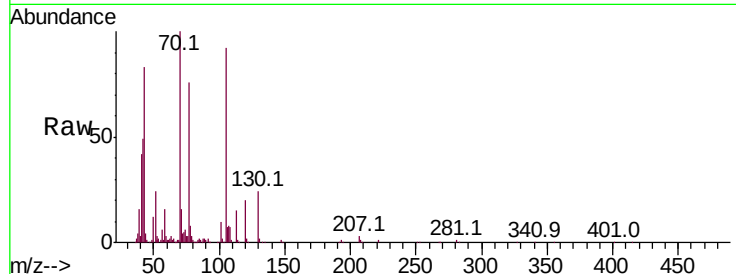
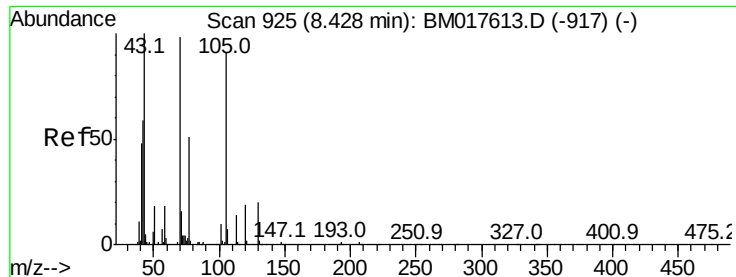
mohammad
12/6/2018 12:20:28 PM



#18
Hexachloroethane
Concen: 33.241 ng
RT: 8.62 min Scan# 957
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

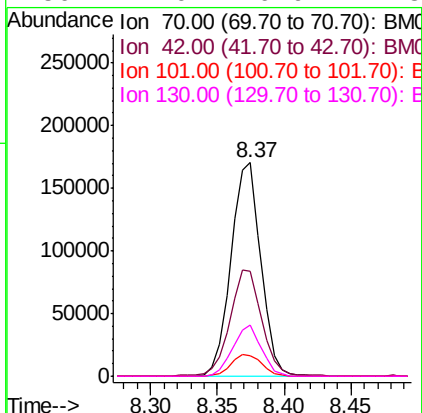
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	138819		
119	92.9	75.8	113.8	
201	98.7	83.0	124.4	





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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	48.9	48.6	73.0	
101	9.8	7.9	11.9	
130	24.0	16.6	24.8	



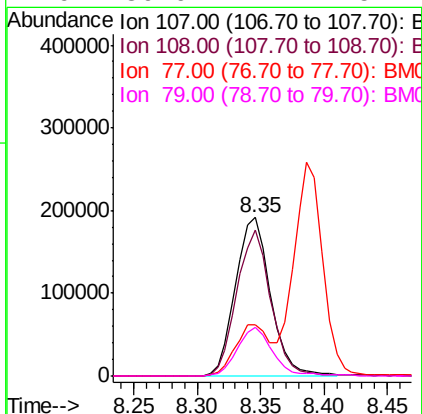
Instrument :
BNA_M
ClientSampled :
RO-331MSD

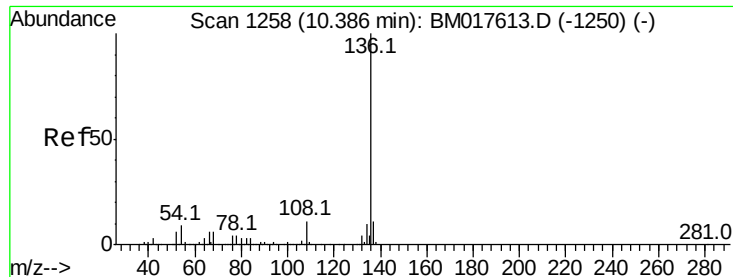
Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM

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

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





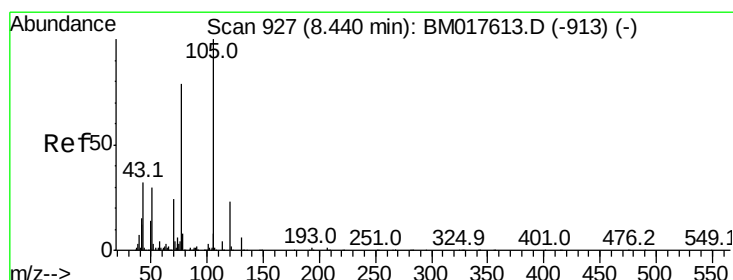
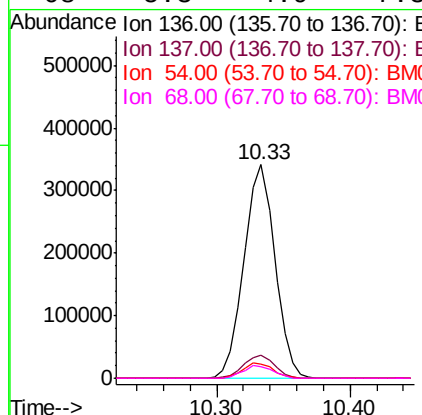
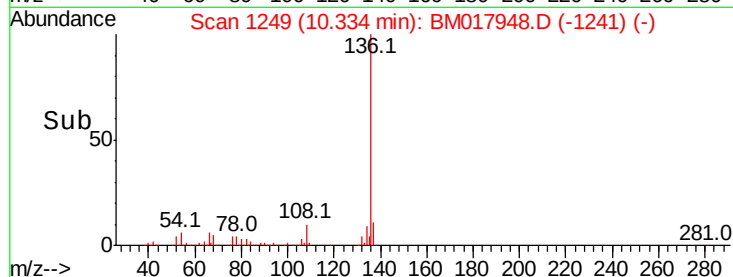
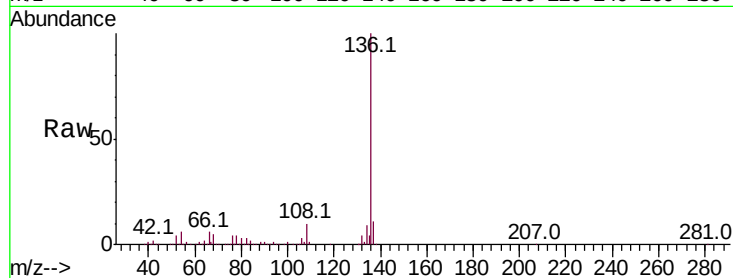
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1249
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleID :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	547836		
137	10.8	8.6	12.8	
54	6.5	7.0	10.6	
68	5.3	4.9	7.3	

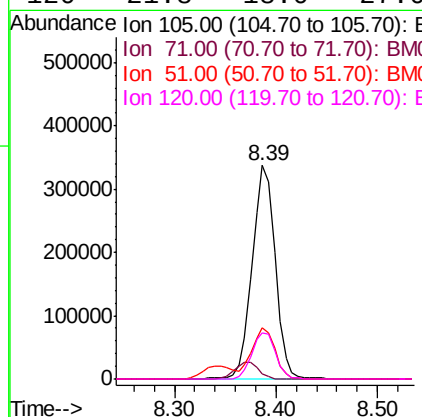
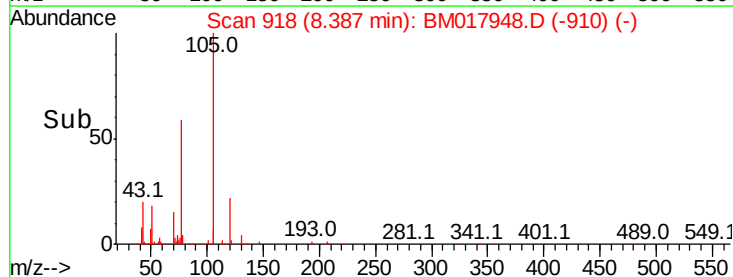
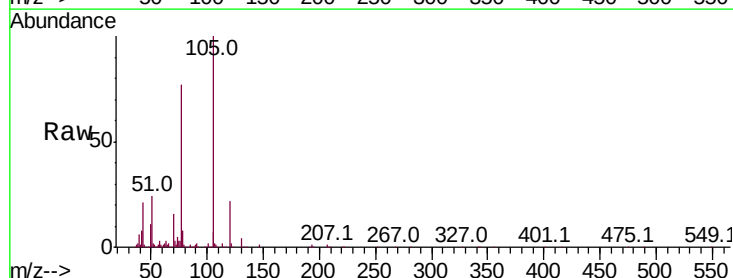
Manual Integrations
APPROVED

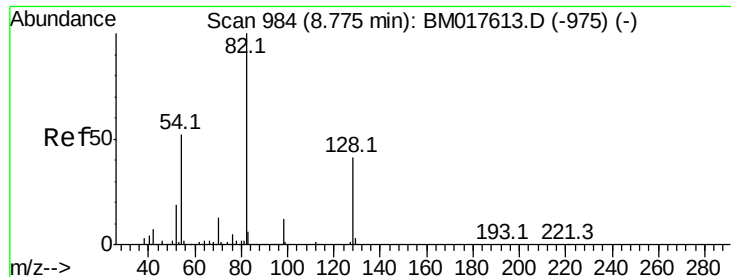
mohammad
12/6/2018 12:20:28 PM



#22
Acetophenone
Concen: 39.202 ng
RT: 8.39 min Scan# 918
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536013		
71	2.7	3.1	4.7	
51	23.8	23.8	35.8	
120	21.8	18.0	27.0	





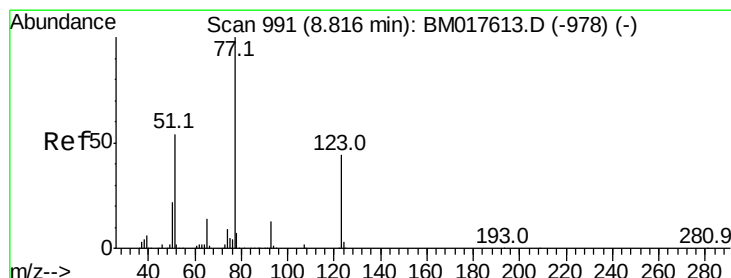
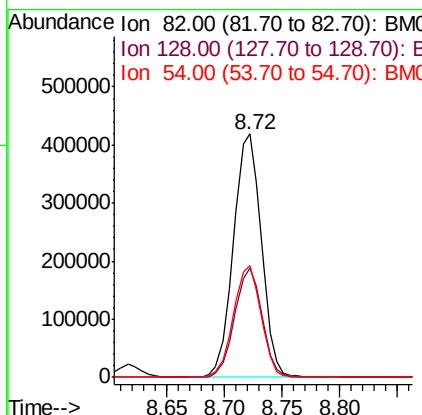
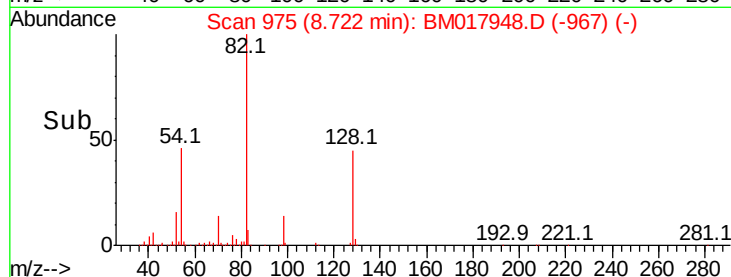
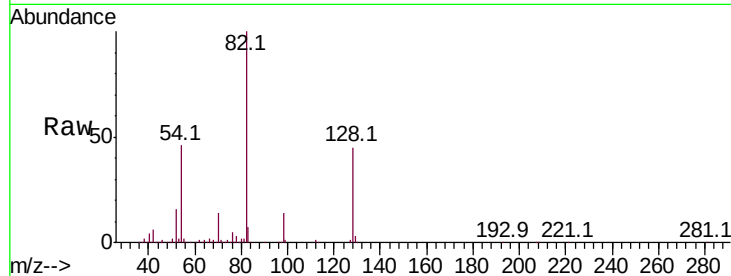
#23
Nitrobenzene-d5
Concen: 66.259 ng
RT: 8.72 min Scan# 975
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

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

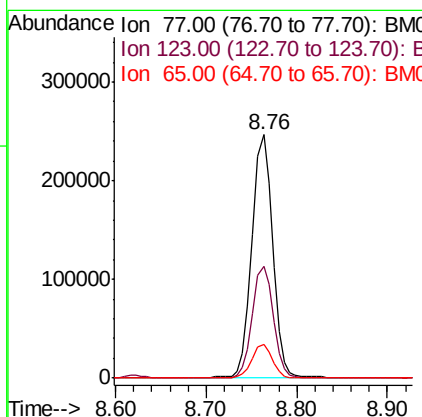
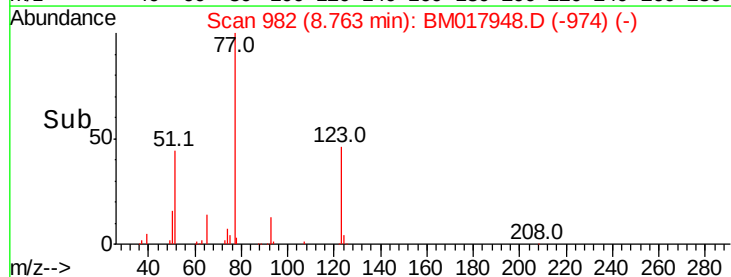
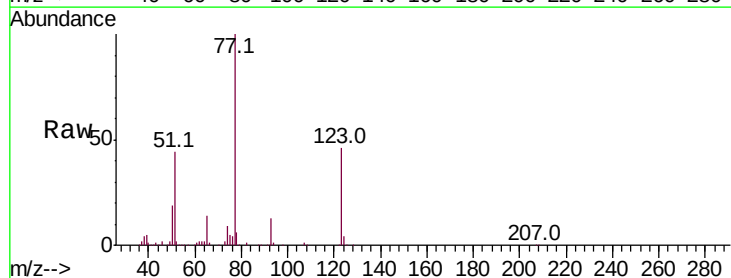
Manual Integrations
APPROVED

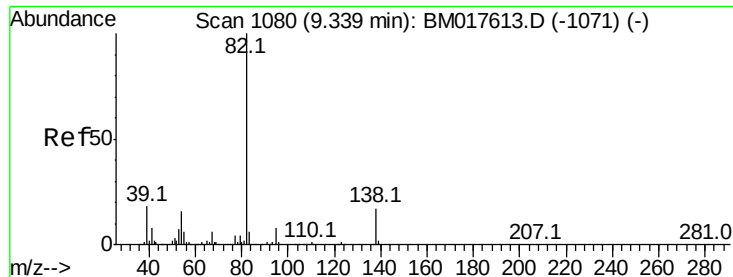
mohammad
12/6/2018 12:20:28 PM



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

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





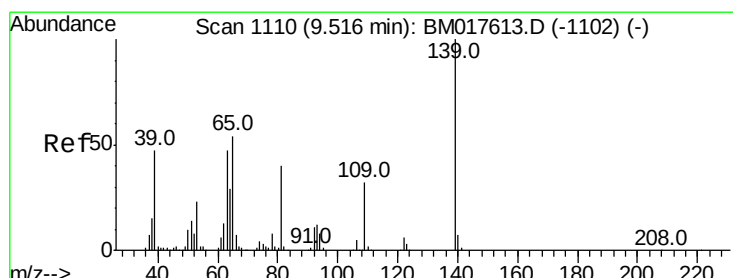
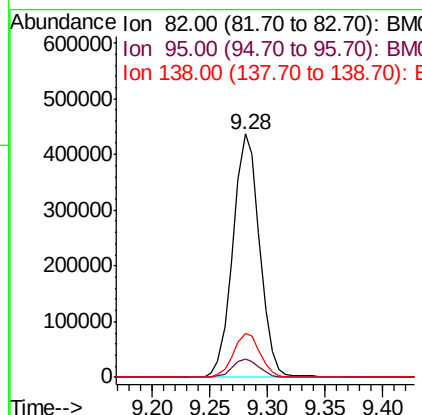
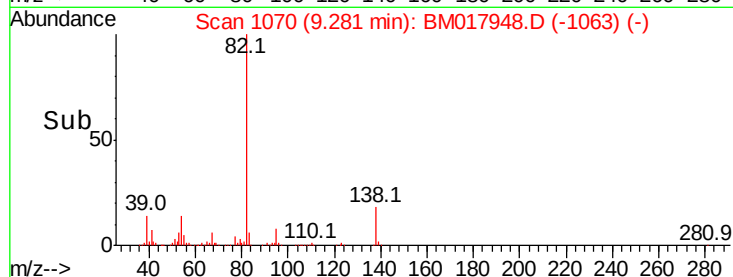
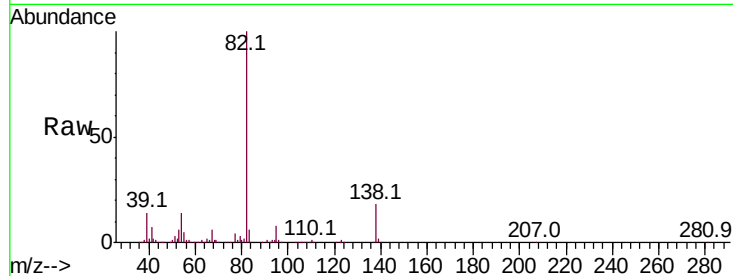
#25
Isophorone
Concen: 42.791 ng
RT: 9.28 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampled :
RO-331MSD

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

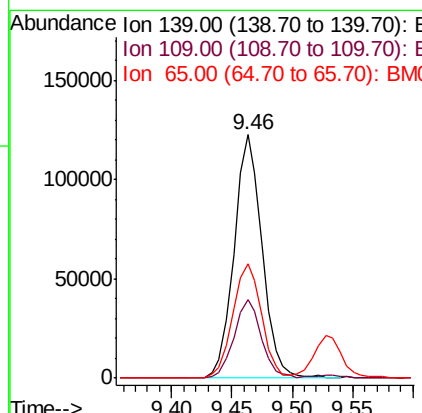
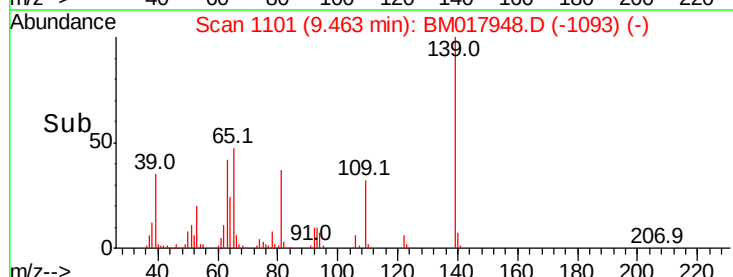
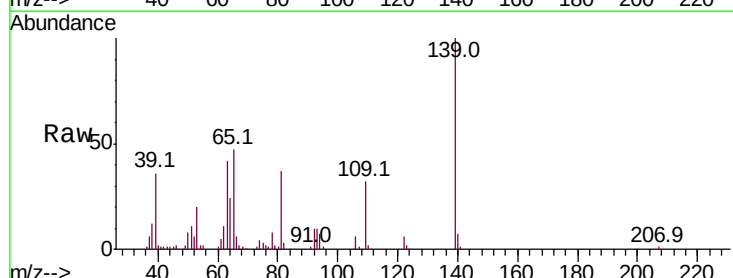
Manual Integrations
APPROVED

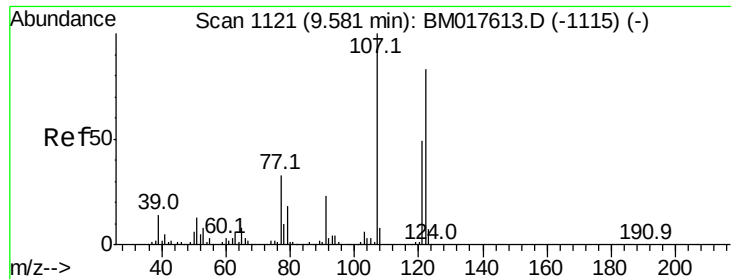
mohammad
12/6/2018 12:20:28 PM



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

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





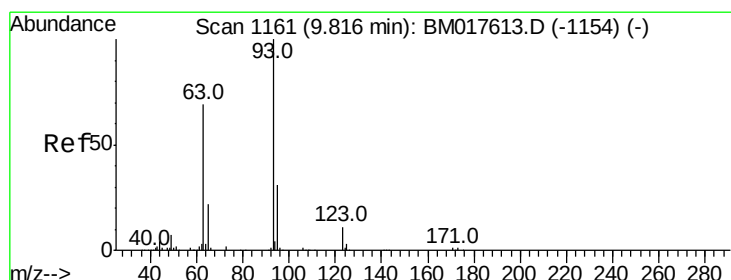
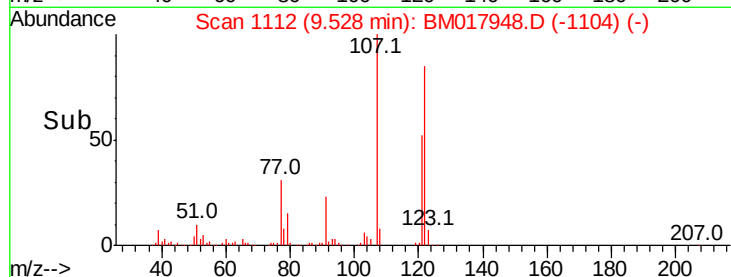
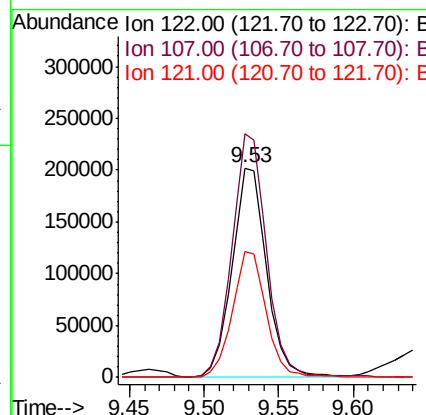
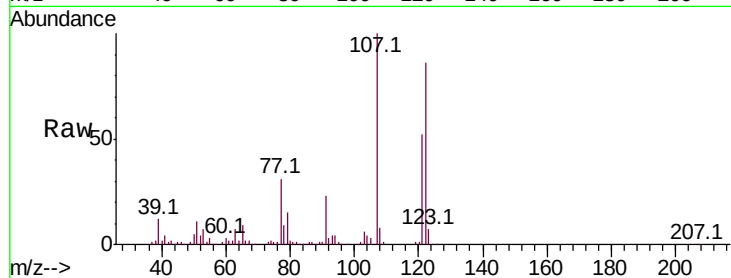
#27
2,4-Dimethylphenol
Concen: 45.212 ng
RT: 9.53 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

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

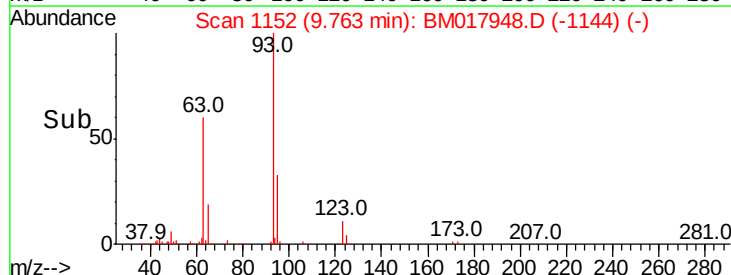
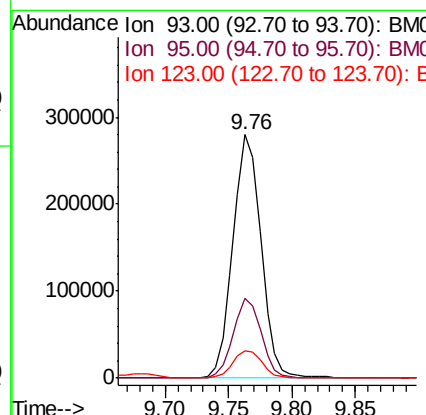
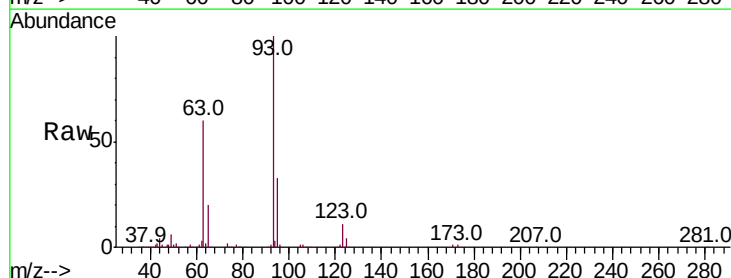
Manual Integrations
APPROVED

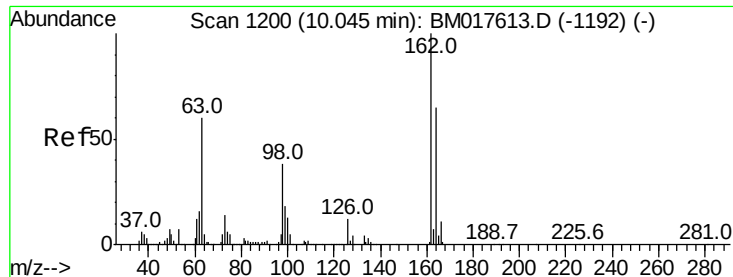
mohammad
12/6/2018 12:20:28 PM



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

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





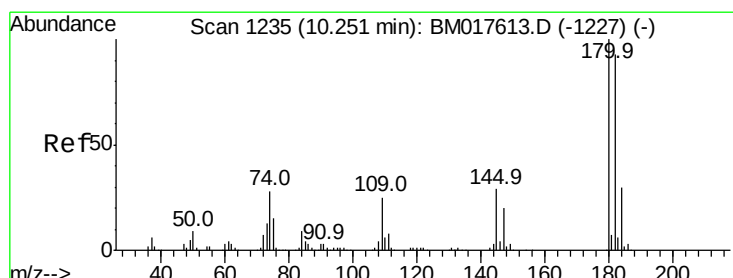
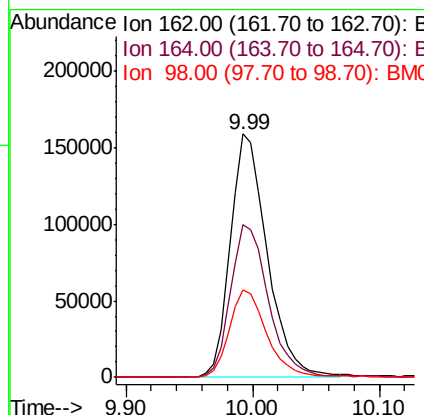
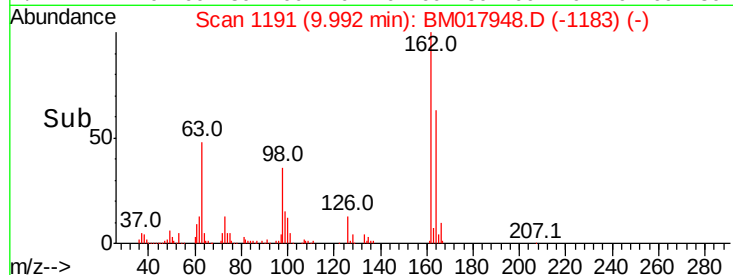
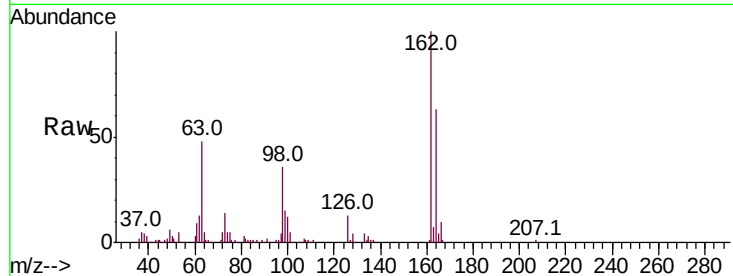
#29
 2,4-Dichlorophenol
 Concen: 38.584 ng
 RT: 9.99 min Scan# 1191
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		320121		
164	62.8	45.0	85.0		
98	36.2	17.5	57.5		

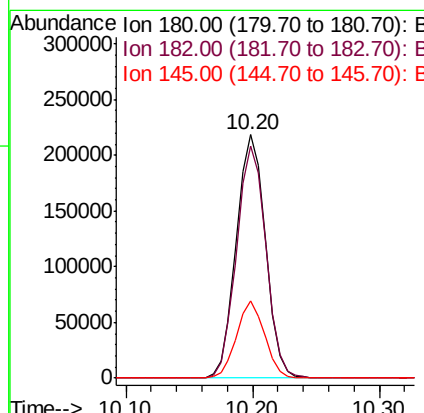
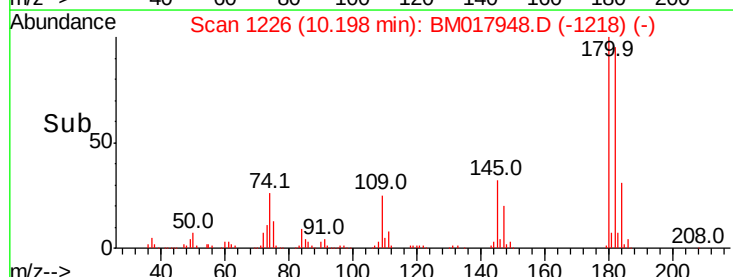
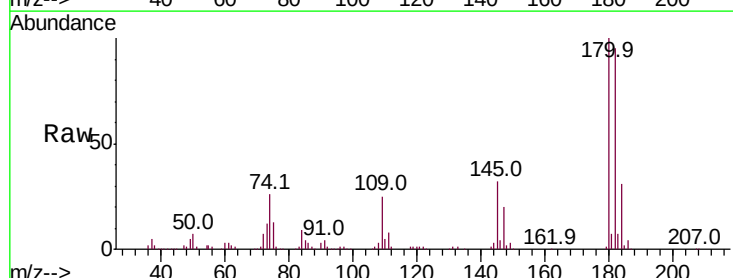
Manual Integrations
 APPROVED

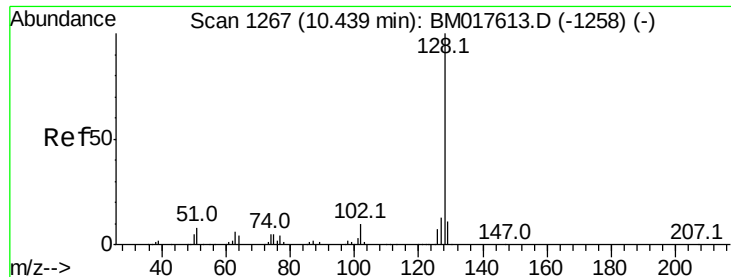
mohammad
 12/6/2018 12:20:28 PM



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

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		348559		
182	95.5	74.4	111.6		
145	31.7	23.5	35.3		





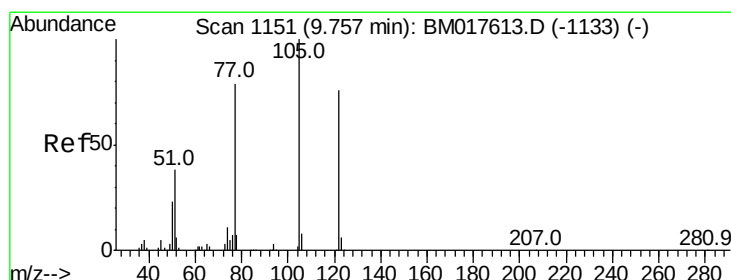
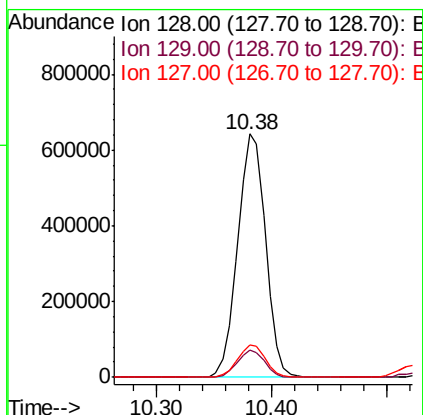
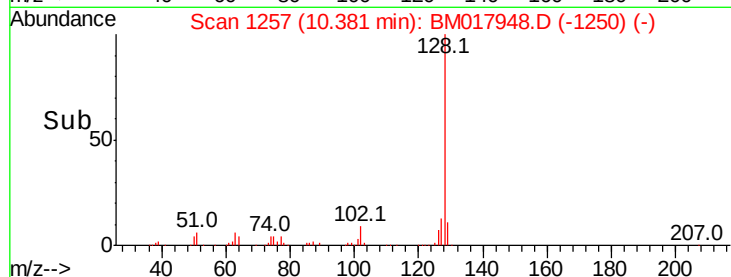
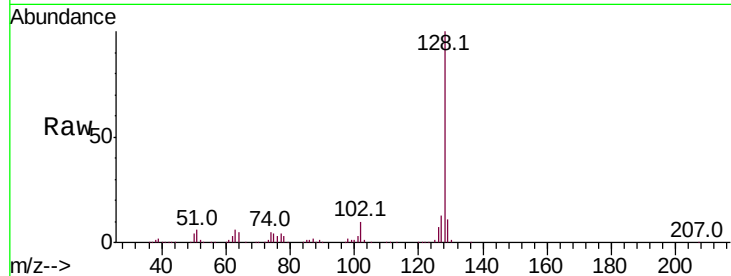
#31
Naphthalene
Concen: 39.976 ng
RT: 10.38 min Scan# 1257
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.2	10.3	15.5

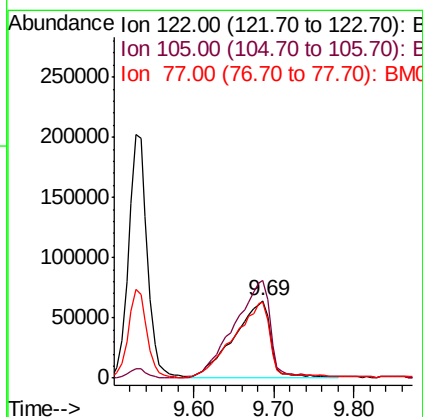
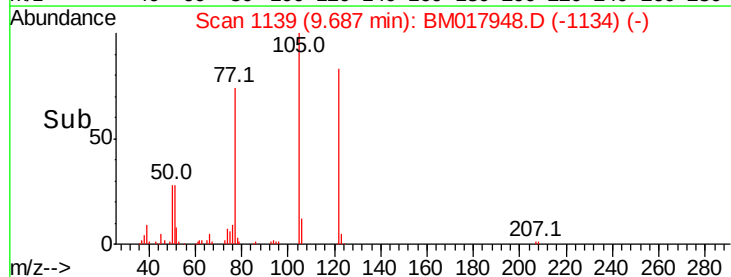
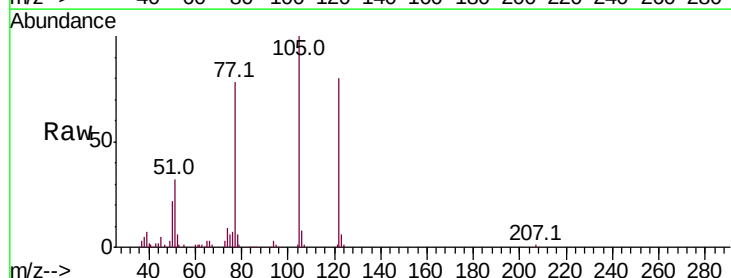
Manual Integrations
APPROVED

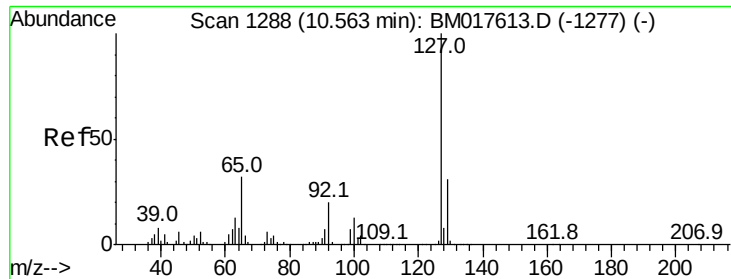
mohammad
12/6/2018 12:20:28 PM



#32
Benzoic acid
Concen: 30.989 ng m
RT: 9.69 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

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





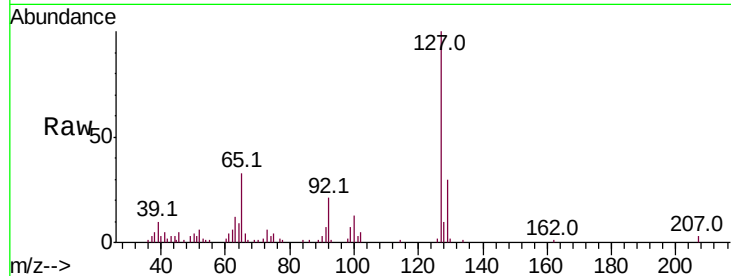
#33
4-Chloroaniline
Concen: 5.581 ng
RT: 10.52 min Scan# 1281
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.4	25.0	37.4
65	32.7	25.8	38.8
92	20.7	15.8	23.6

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



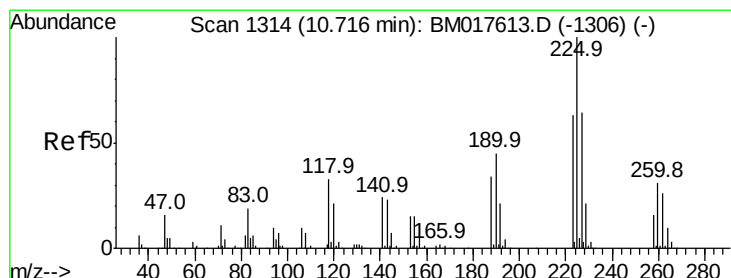
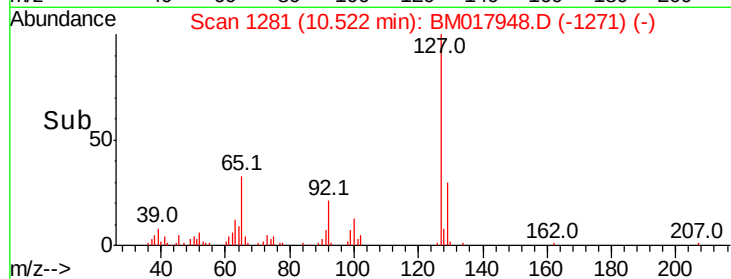
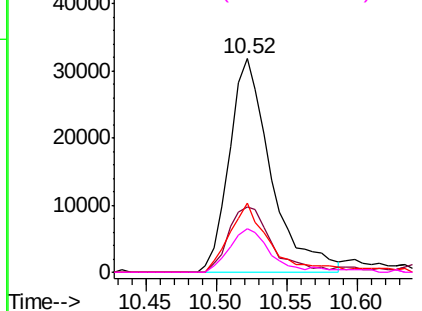
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

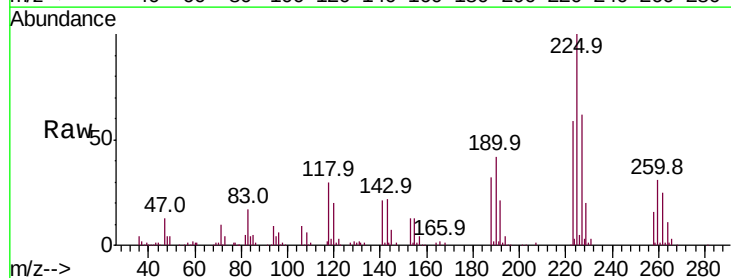
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



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

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

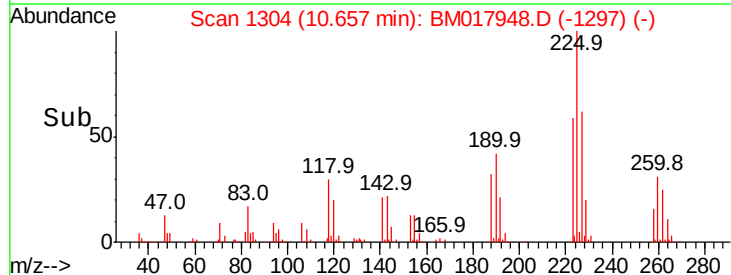
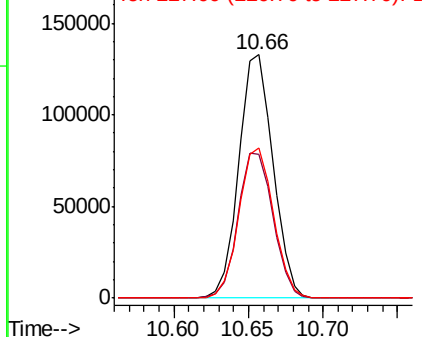


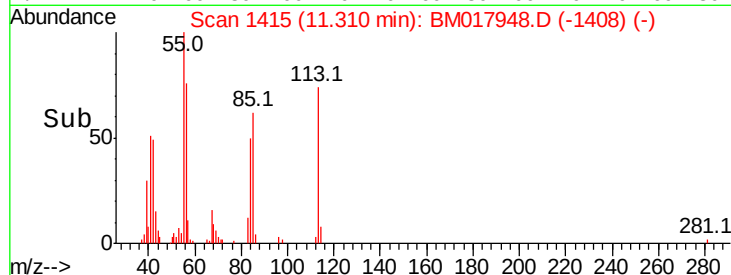
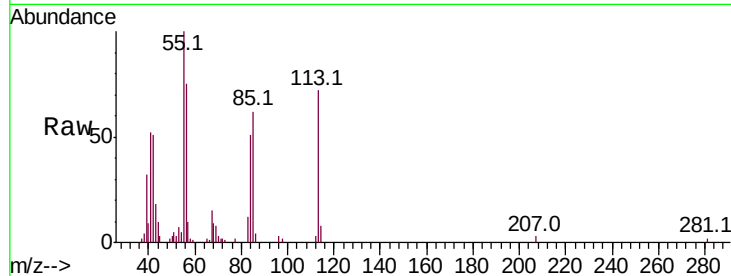
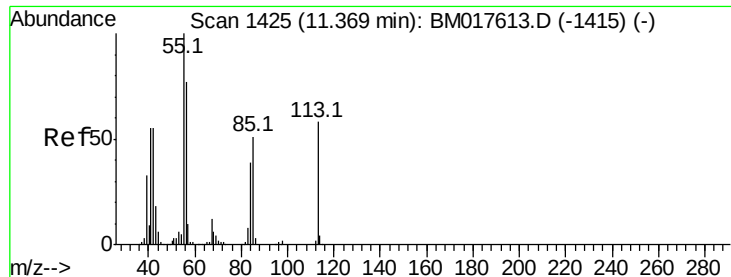
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





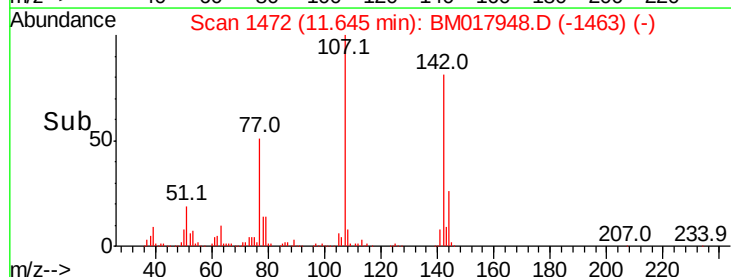
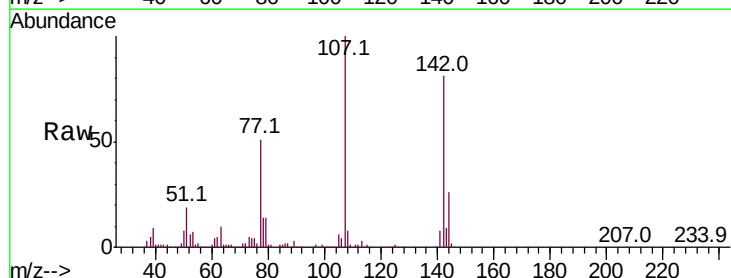
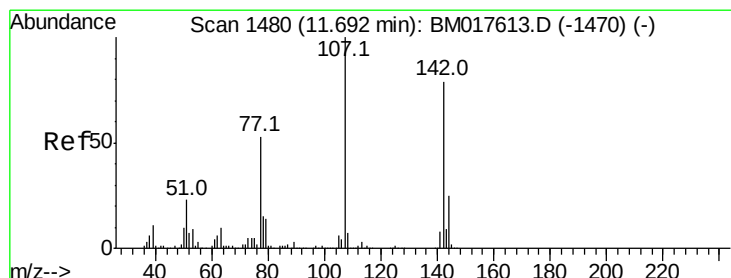
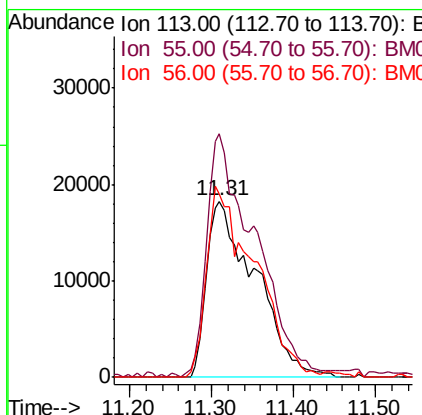
#35
Caprolactam
Concen: 24.596 ng/ml
RT: 11.31 min Scan# 1415
Delta R.T. -0.06 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	138.0	153.1	193.1#
56	103.7	112.7	152.7#

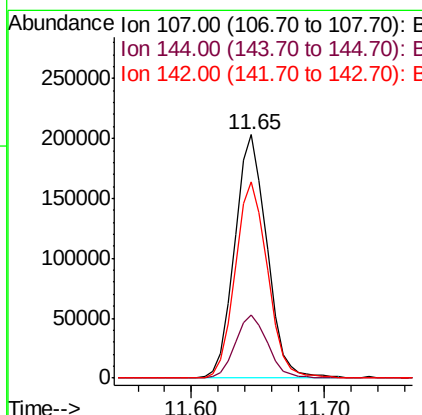
Manual Integrations
APPROVED

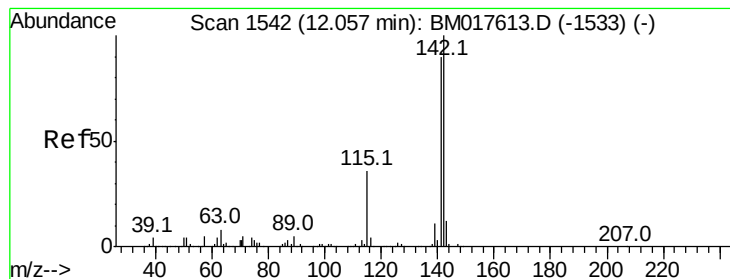
mohammad
12/6/2018 12:20:28 PM



#36
4-Chloro-3-methylphenol
Concen: 35.549 ng
RT: 11.65 min Scan# 1472
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	19.9	29.9
142	80.6	63.0	94.4





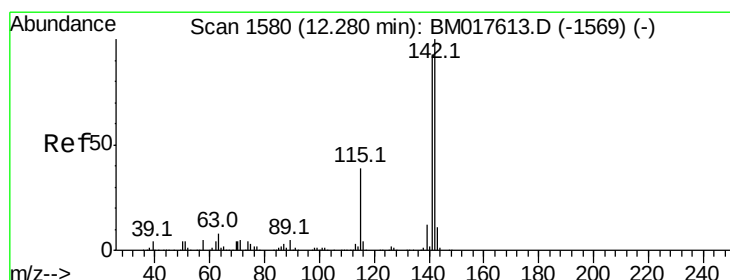
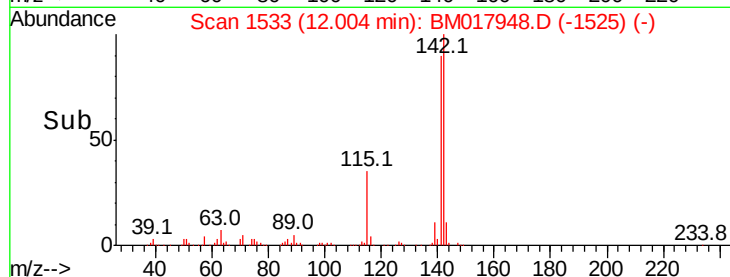
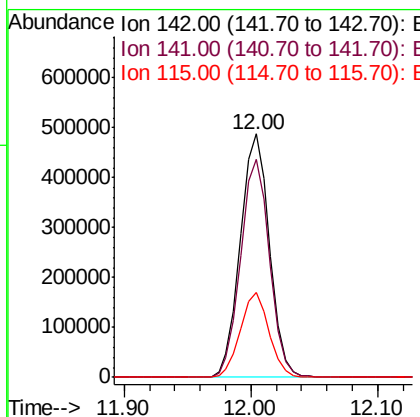
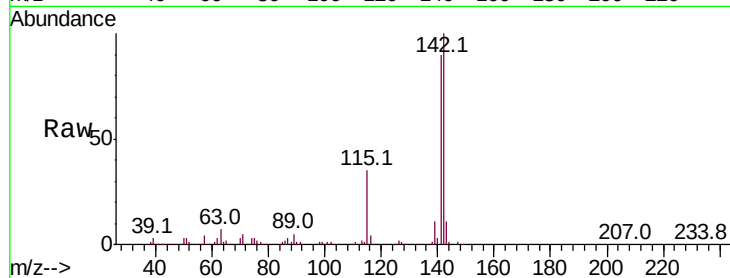
#37
2-Methylnaphthalene
Concen: 40.859 ng
RT: 12.00 min Scan# 1533
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.2	108.4
115	34.7	28.5	42.7

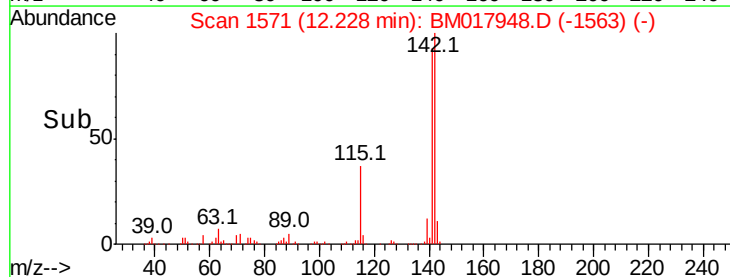
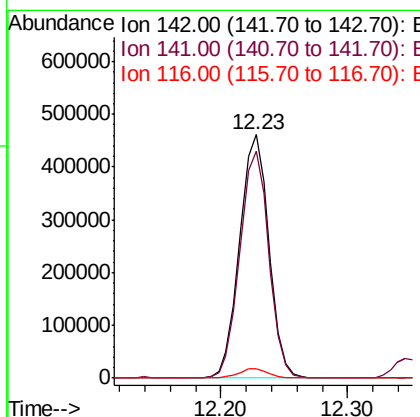
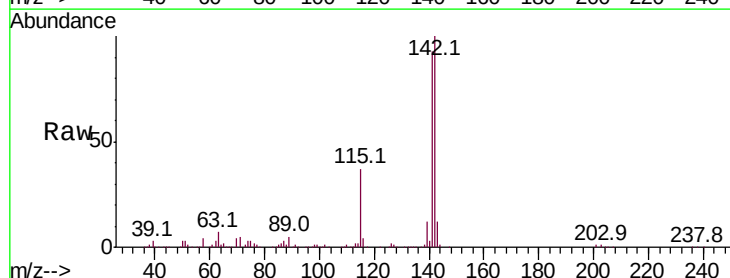
Manual Integrations
APPROVED

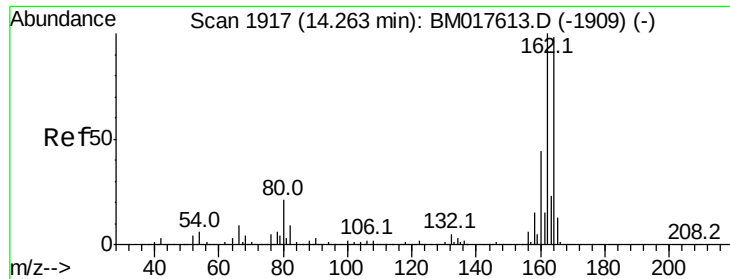
mohammad
12/6/2018 12:20:28 PM



#38
1-Methylnaphthalene
Concen: 39.583 ng
RT: 12.23 min Scan# 1571
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.2	111.4
116	3.8	3.1	4.7





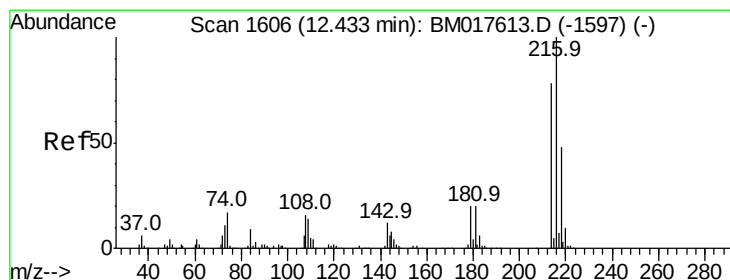
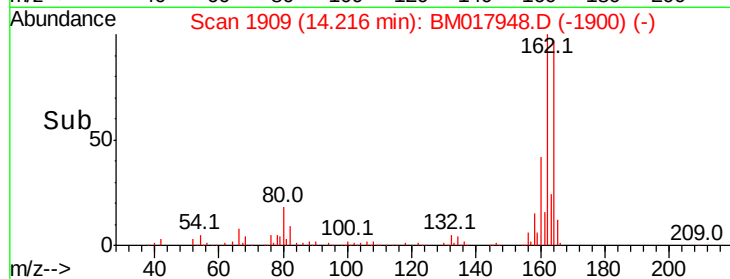
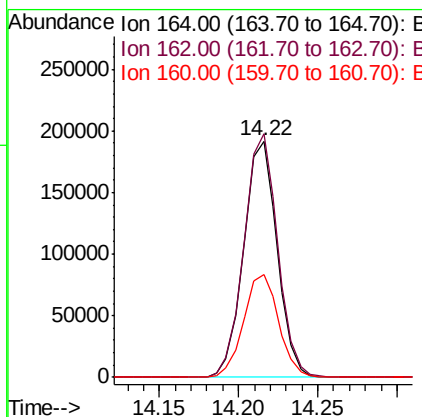
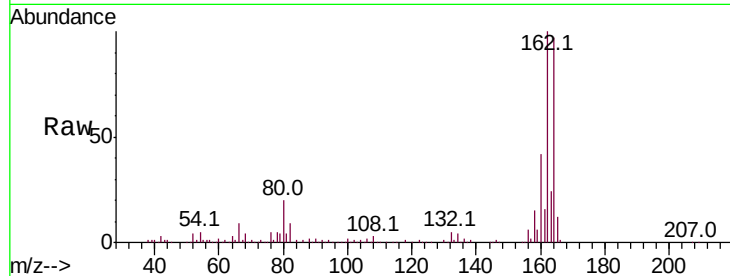
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1909
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampled :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.4	122.0
160	43.8	35.6	53.4

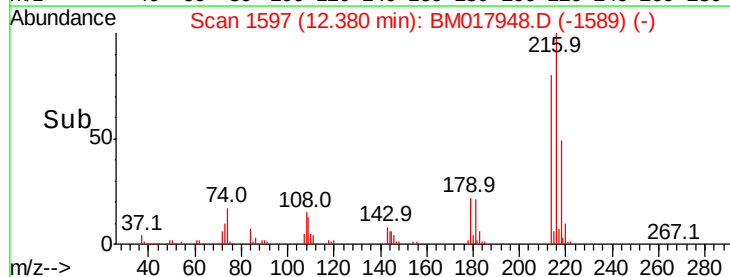
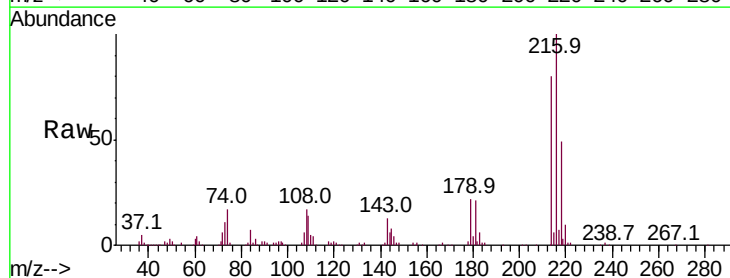
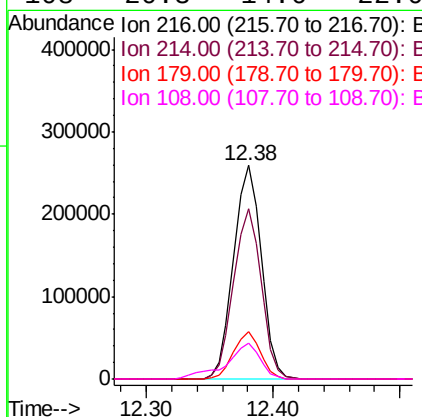
Manual Integrations
APPROVED

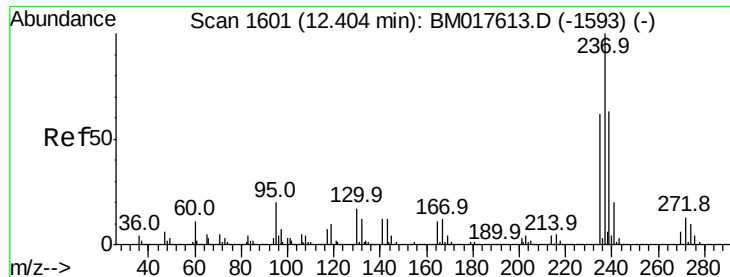
mohammad
12/6/2018 12:20:28 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.882 ng
RT: 12.38 min Scan# 1597
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.5	93.7
179	21.5	16.8	25.2
108	20.3	14.6	22.0





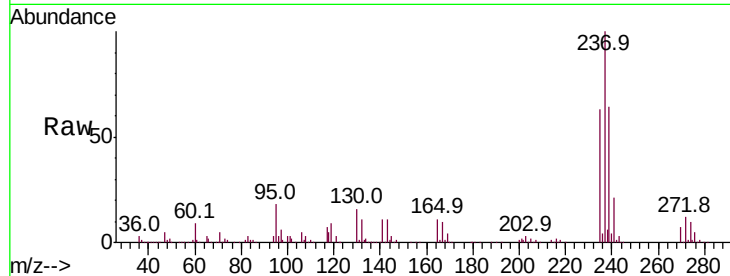
#41
Hexachlorocyclopentadiene
Concen: 95.836 ng
RT: 12.35 min Scan# 1592
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100	488846		
235	62.8	42.2	82.2	
272	12.4	0.0	32.6	

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM

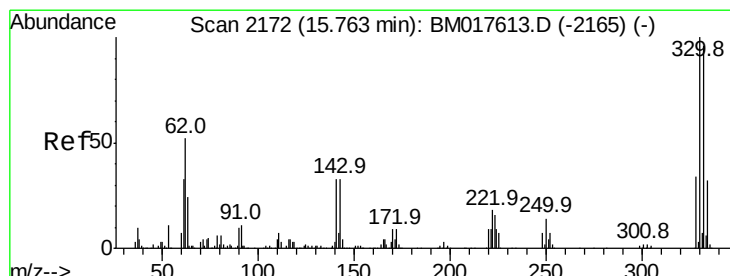
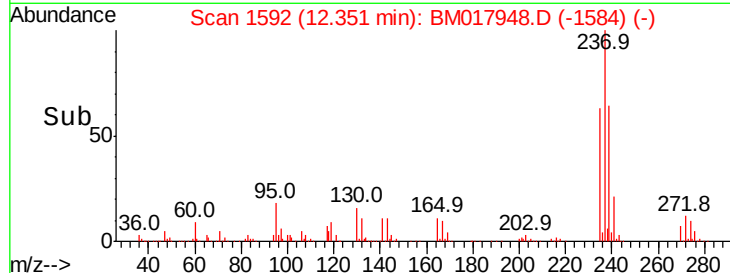
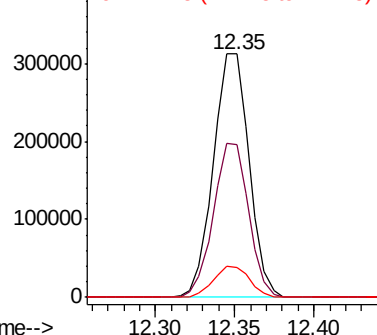


Abundance

Ion 236.80 (236.50 to 237.50): E

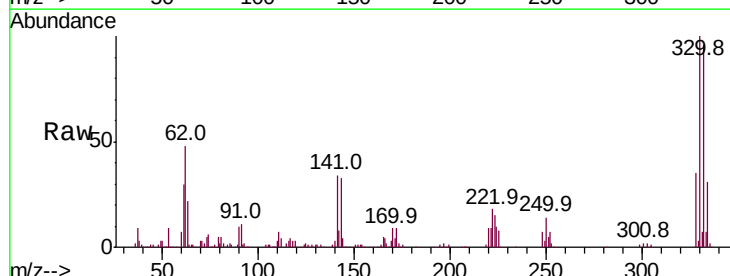
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 106.053 ng
RT: 15.72 min Scan# 2164
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	426580		
332	96.7	77.9	116.9	
141	32.2	27.5	41.3	

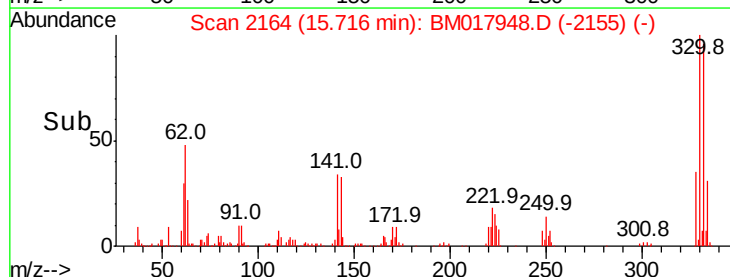
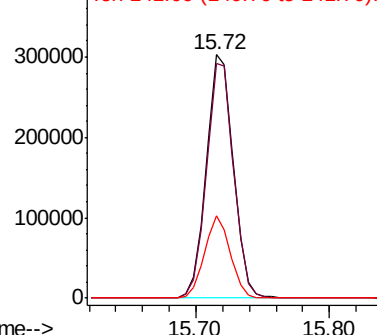


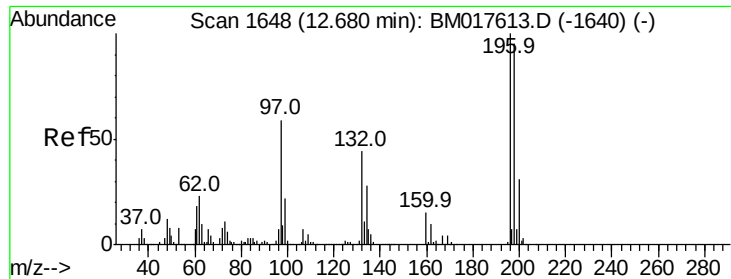
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





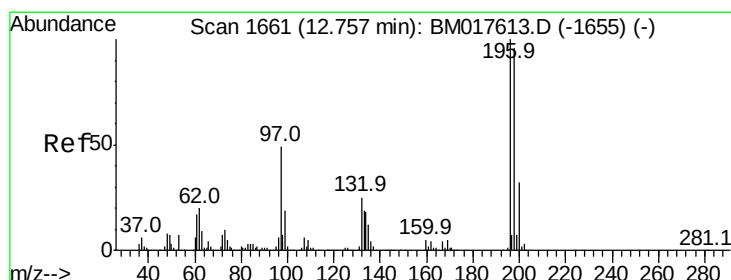
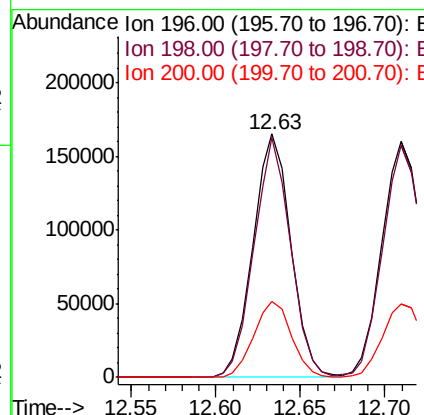
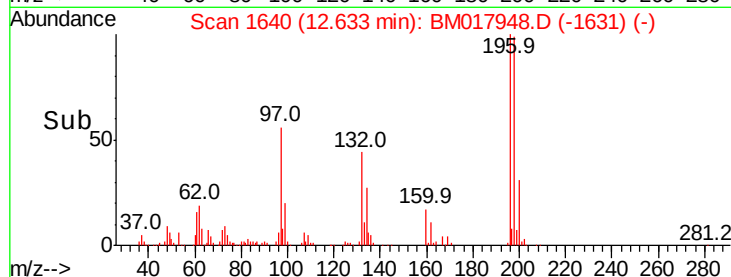
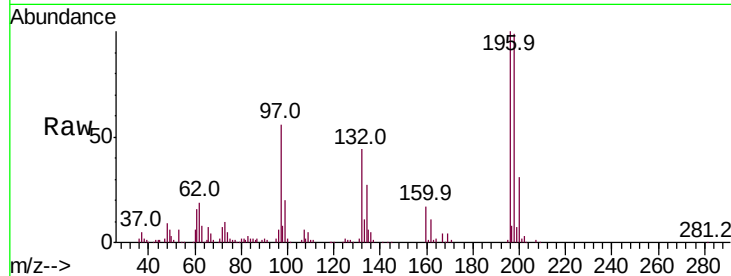
#43
 2,4,6-Trichlorophenol
 Concen: 41.578 ng
 RT: 12.63 min Scan# 1640
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

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

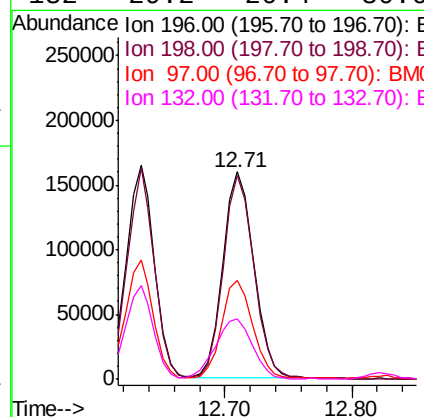
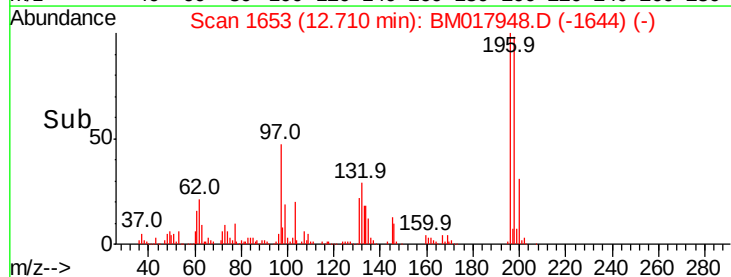
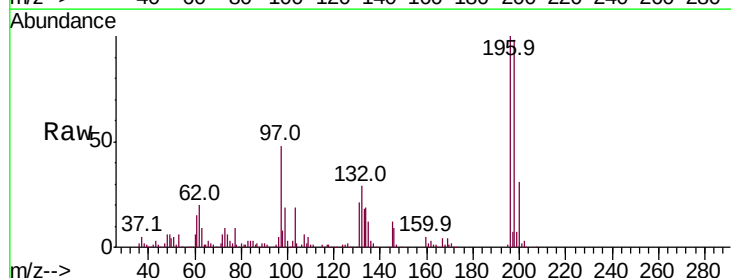
Manual Integrations
 APPROVED

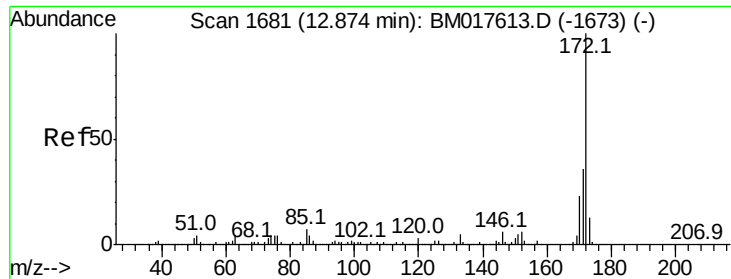
mohammad
 12/6/2018 12:20:28 PM



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

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





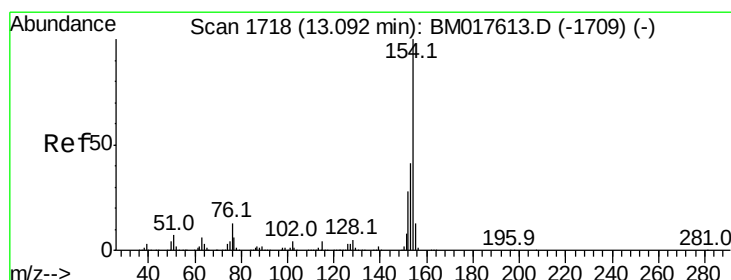
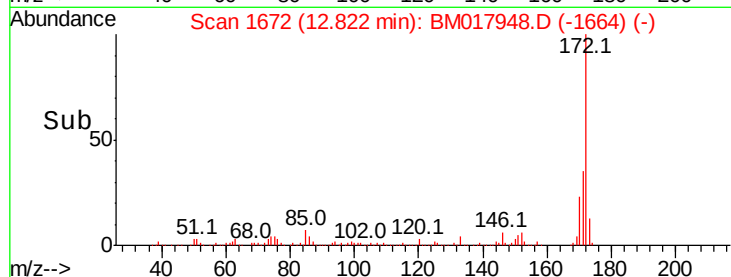
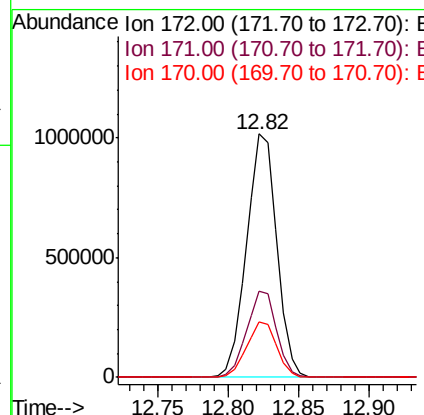
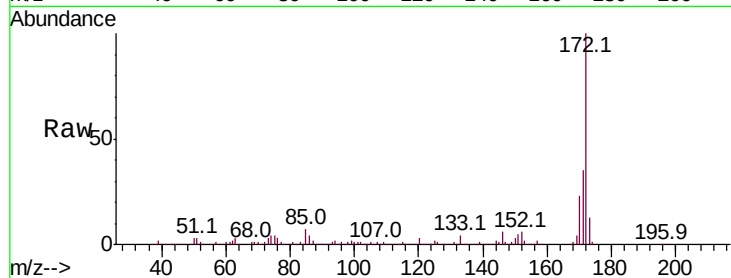
#45
2-Fluorobiphenyl
Concen: 70.628 ng
RT: 12.82 min Scan# 1672
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.0	18.3	27.5

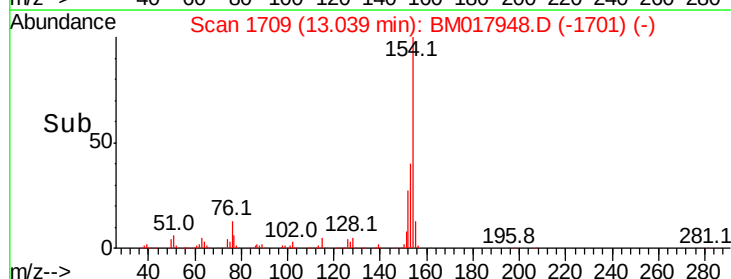
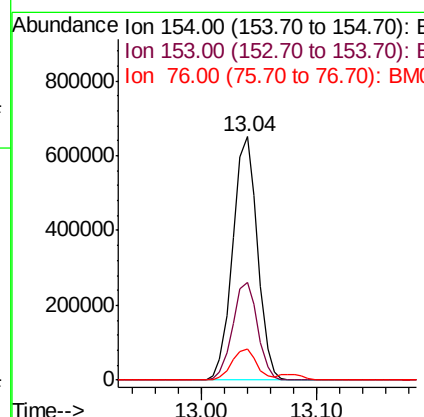
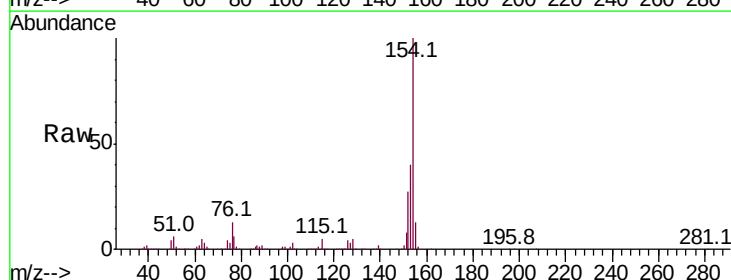
Manual Integrations
APPROVED

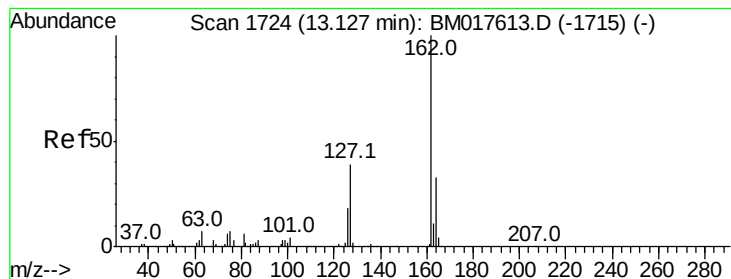
mohammad
12/6/2018 12:20:28 PM



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

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





#47

2-Chloronaphthalene

Concen: 39.907 ng

RT: 13.07 min Scan# 1715

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

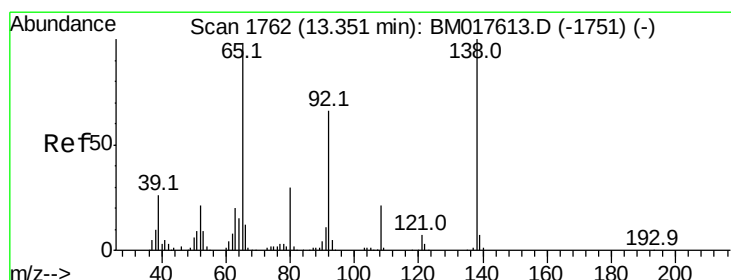
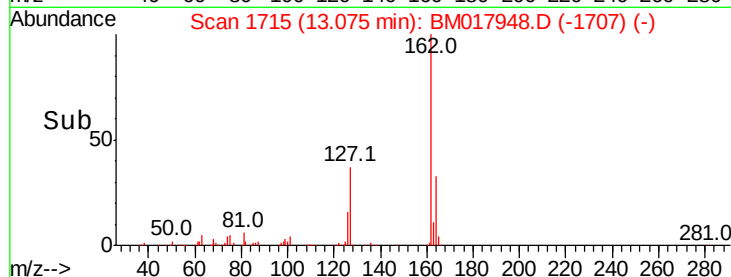
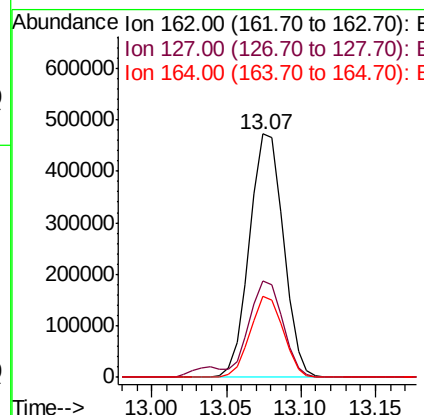
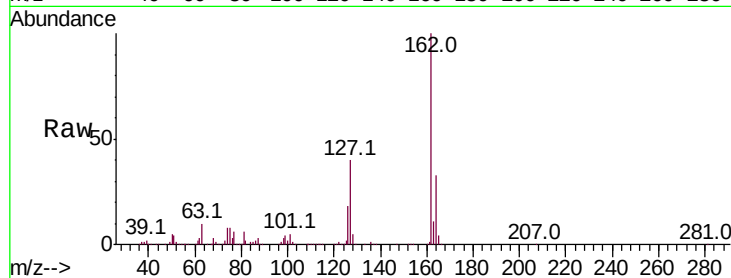
ClientSampleId :

RO-331MSD

Tot Ion:	162	Resp:	744295
Ion Ratio	Lower	Upper	
162	100		
127	39.8	32.6	48.8
164	33.2	26.5	39.7

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#48

2-Nitroaniline

Concen: 35.591 ng

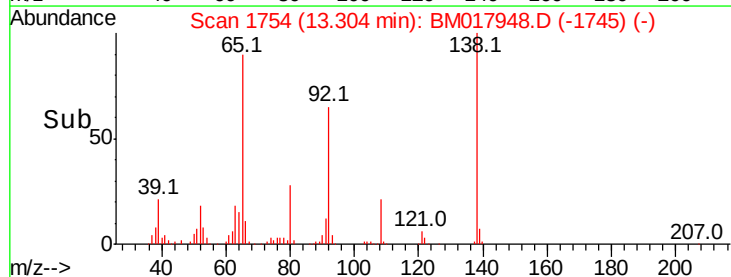
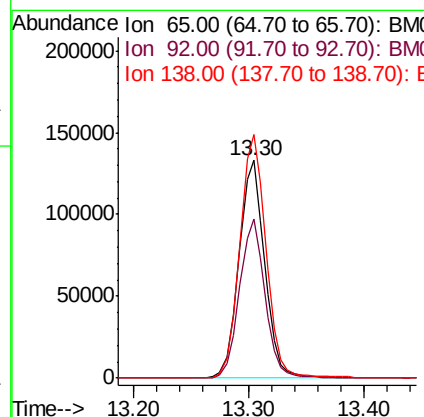
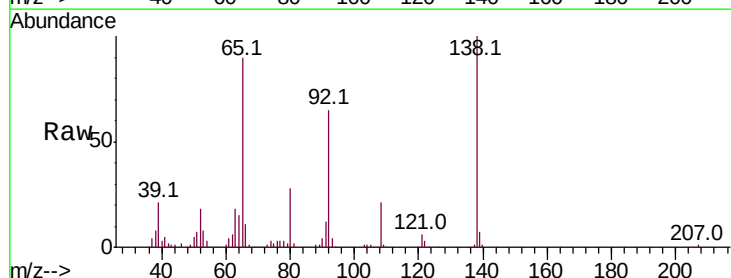
RT: 13.30 min Scan# 1754

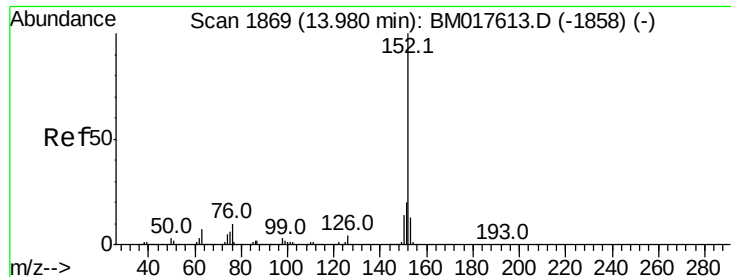
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:	65	Resp:	205287
Ion Ratio	Lower	Upper	
65	100		
92	72.8	53.7	80.5
138	111.7	81.5	122.3





#49

Acenaphthylene

Concen: 43.051 ng

RT: 13.93 min Scan# 1861

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tot Ion:152 Resp: 1206382

Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

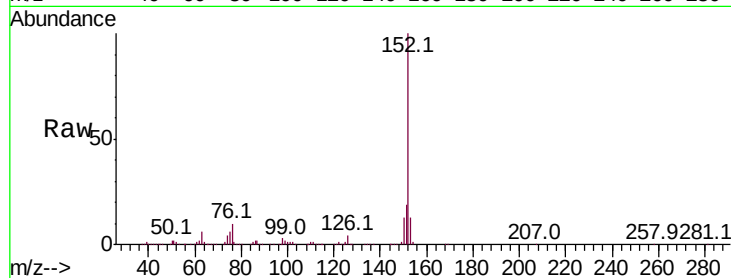
153 13.0 10.5 15.7

Manual Integrations

APPROVED

mohammad

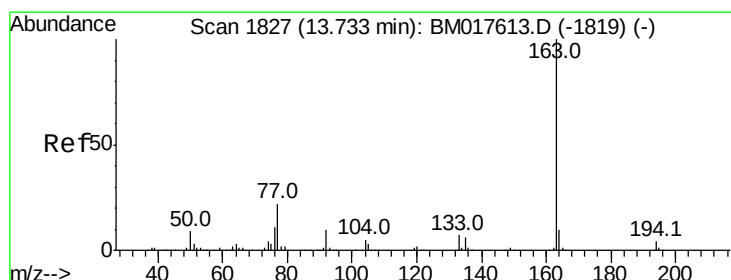
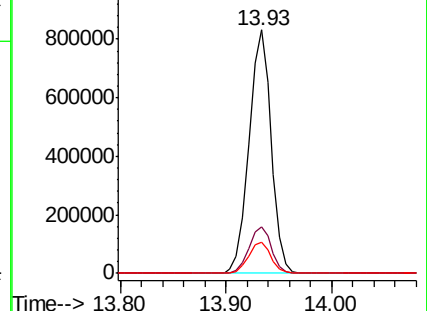
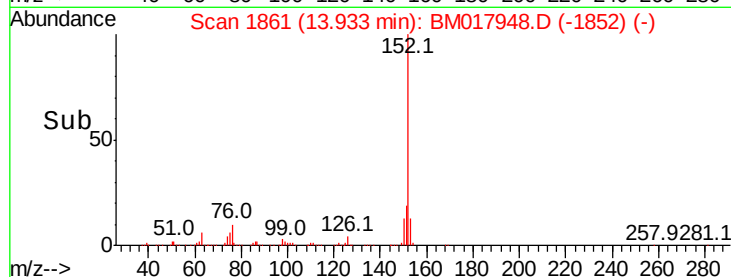
12/6/2018 12:20:28 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.560 ng

RT: 13.69 min Scan# 1819

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

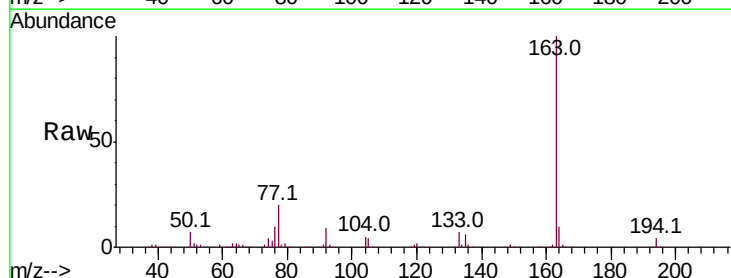
Tgt Ion:163 Resp: 900393

Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

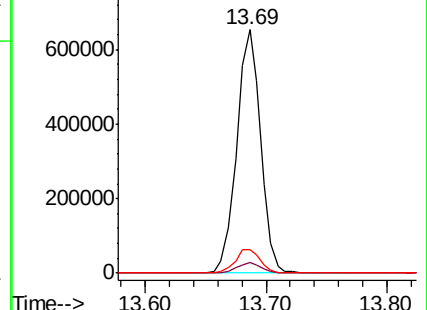
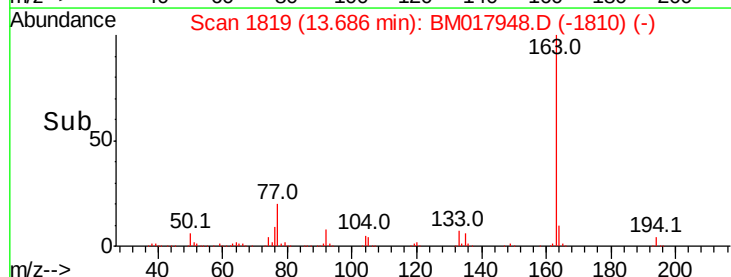
164 9.8 8.2 12.4

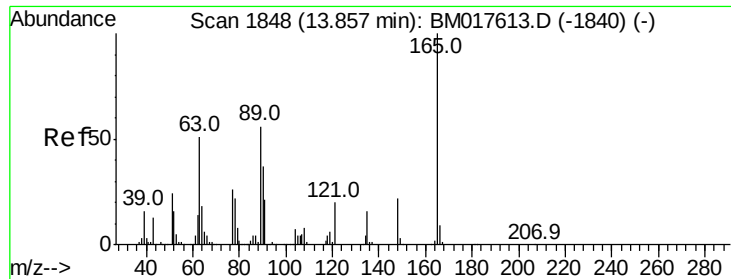


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





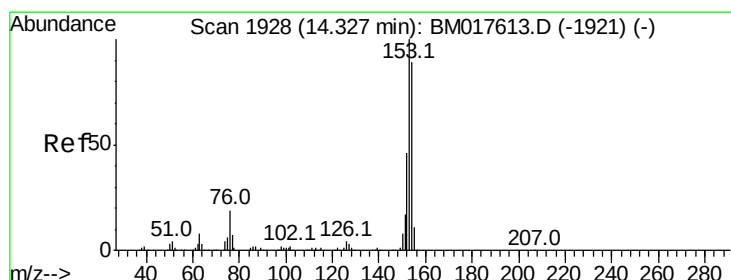
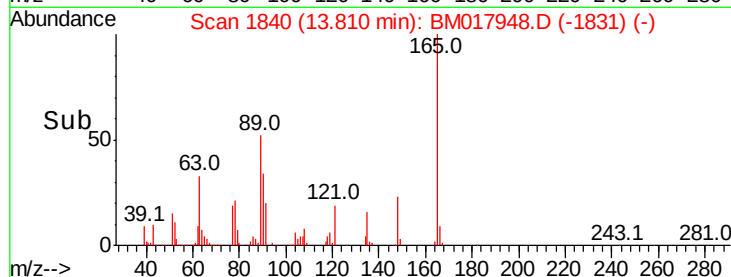
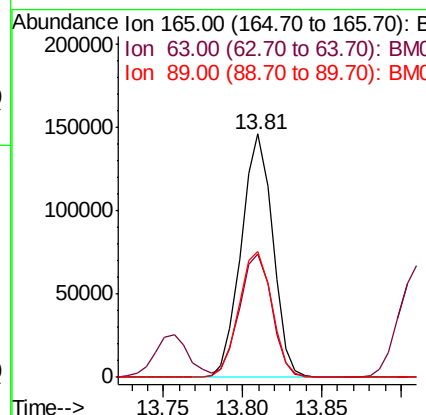
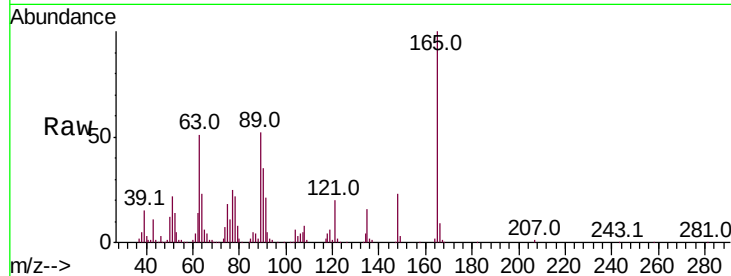
#51
2,6-Dinitrotoluene
Concen: 39.894 ng
RT: 13.81 min Scan# 1840
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

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

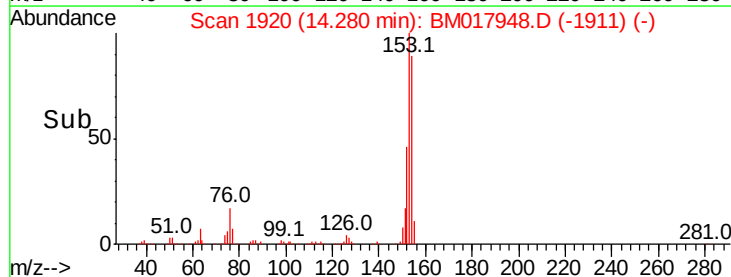
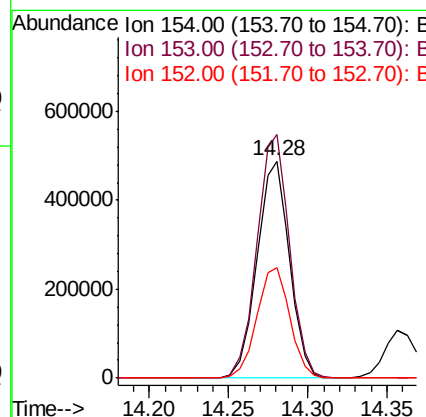
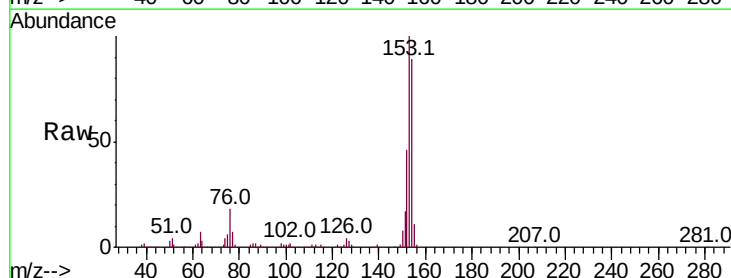
Manual Integrations
APPROVED

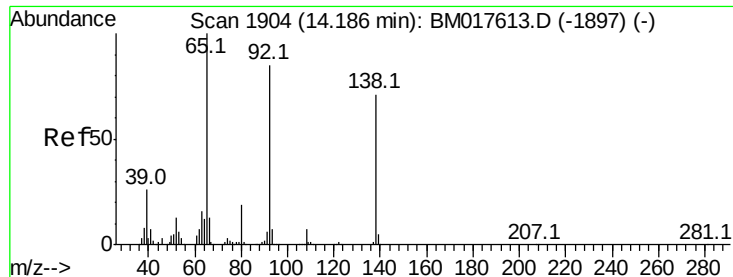
mohammad
12/6/2018 12:20:28 PM



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

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





#53

3-Nitroaniline

Concen: 15.362 ng

RT: 14.15 min Scan# 1897

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

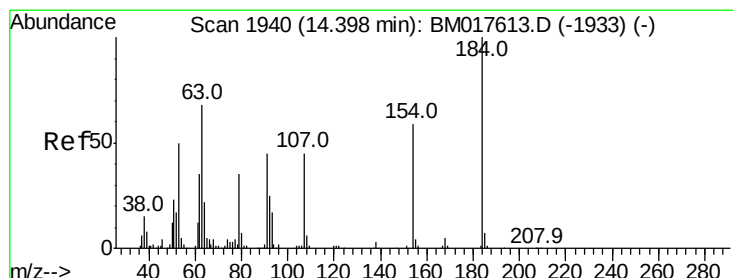
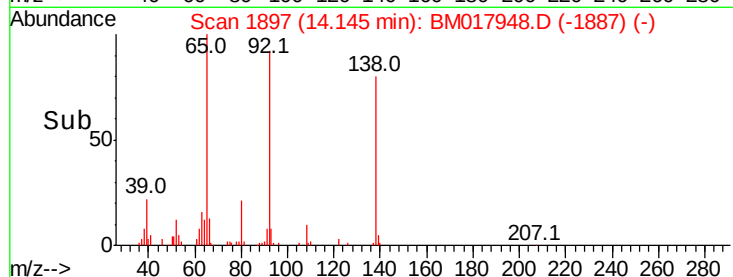
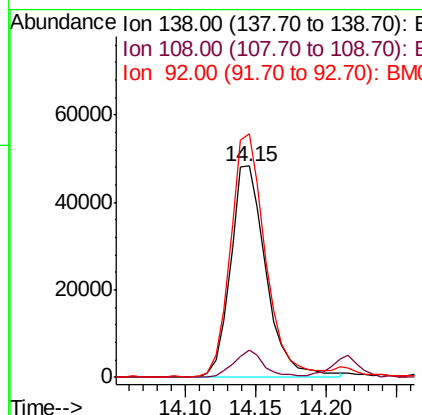
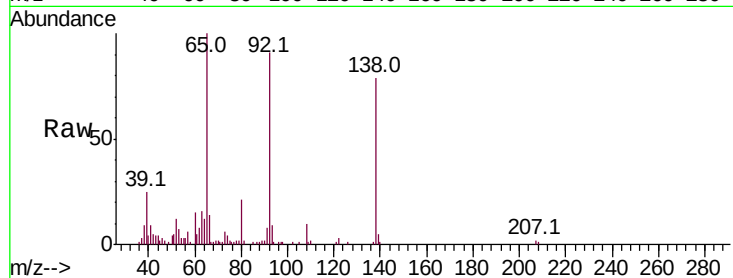
ClientSampleId :

RO-331MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.9	8.2	12.2#
92	115.3	95.4	143.2

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#54

2,4-Dinitrophenol

Concen: 81.320 ng

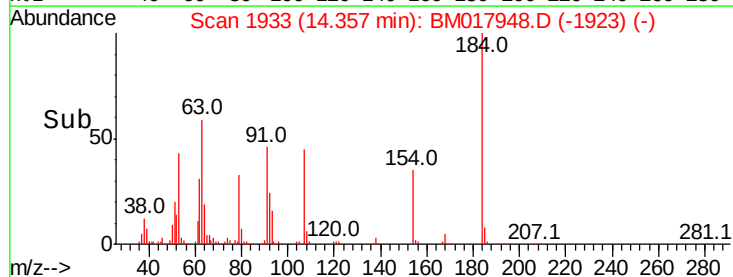
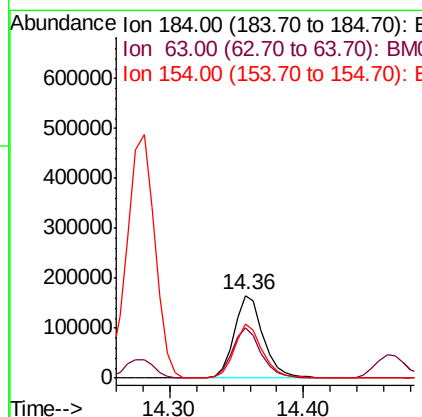
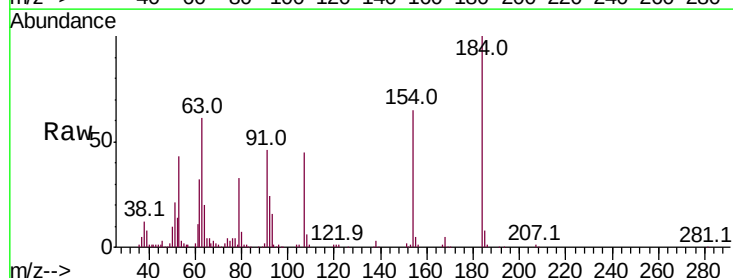
RT: 14.36 min Scan# 1933

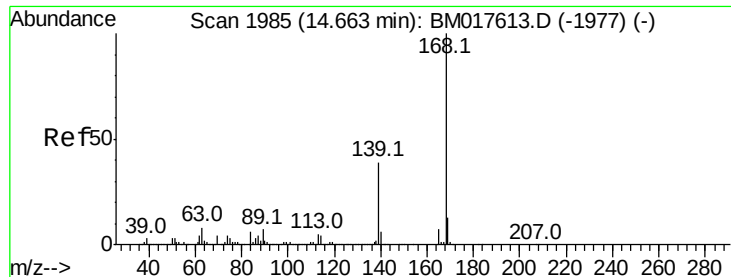
Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

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





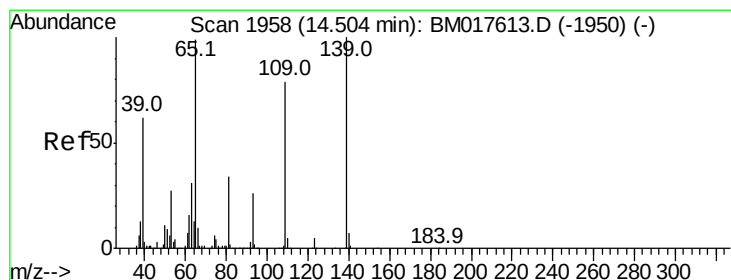
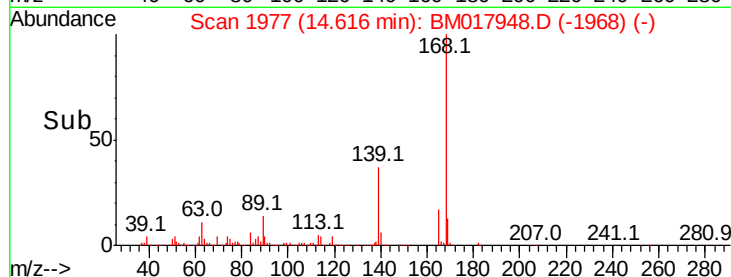
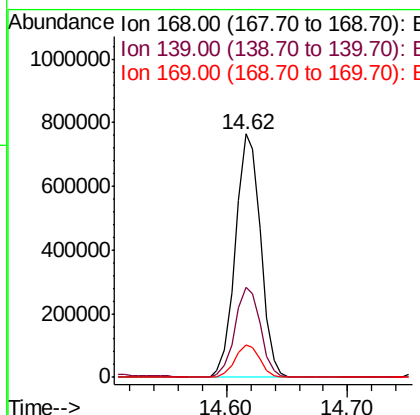
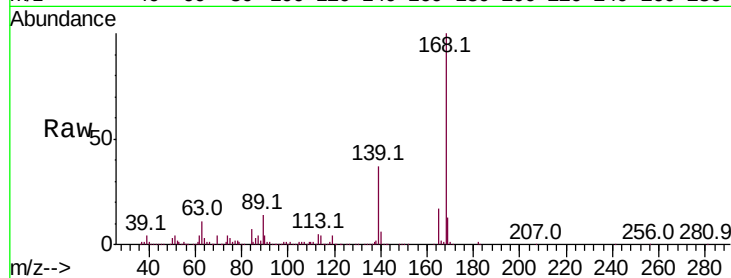
#55
Dibenzofuran
Concen: 39.469 ng
RT: 14.62 min Scan# 1977
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	31.0	46.6
169	13.4	10.6	16.0

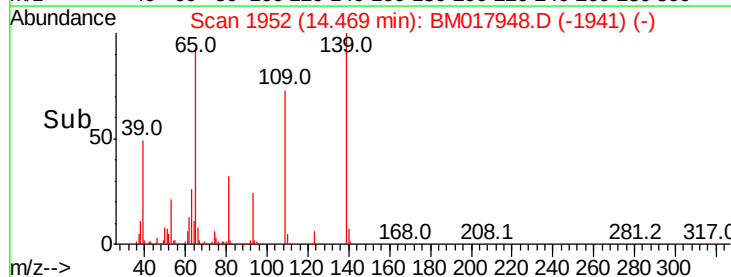
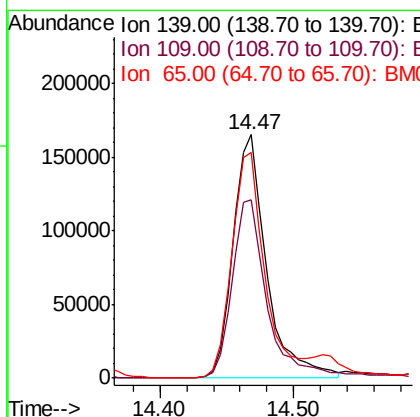
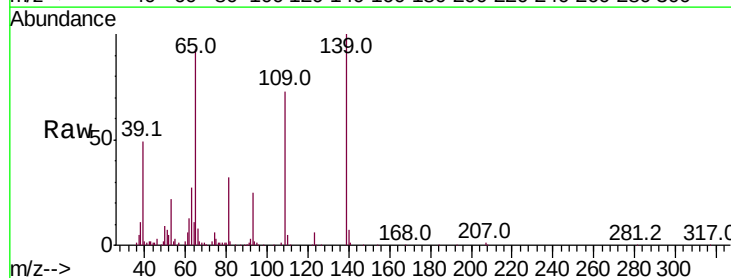
Manual Integrations
APPROVED

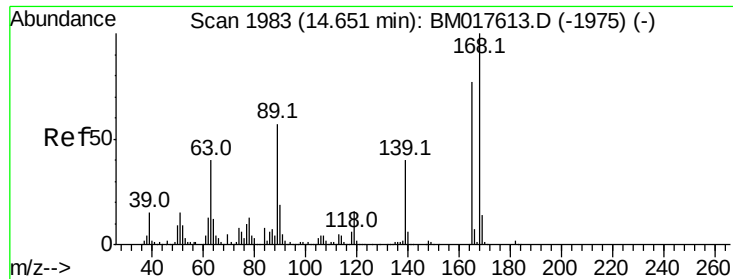
mohammad
12/6/2018 12:20:28 PM



#56
4-Nitrophenol
Concen: 63.381 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.03 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.1	58.6	98.6
65	92.6	79.5	119.5





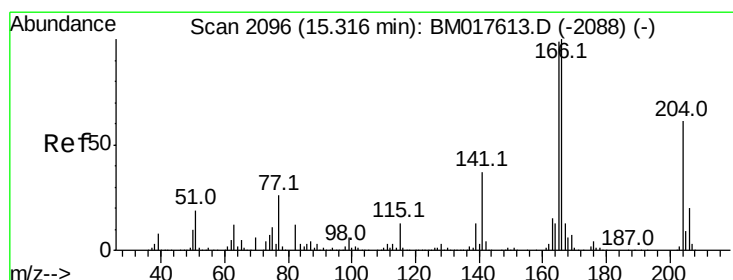
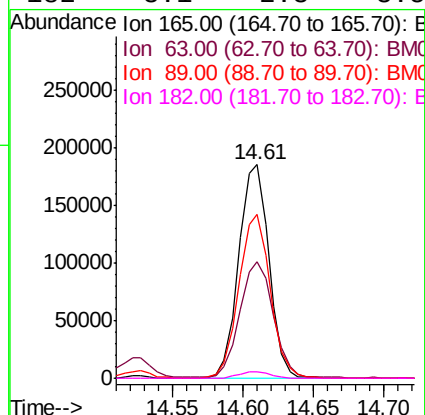
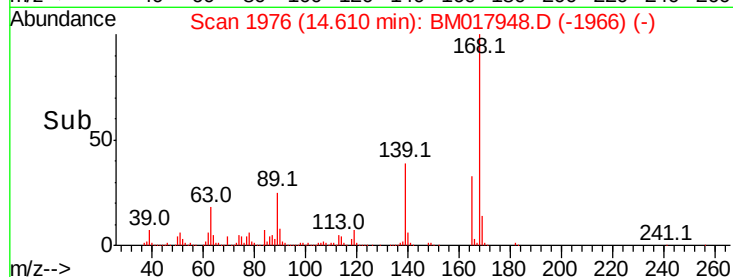
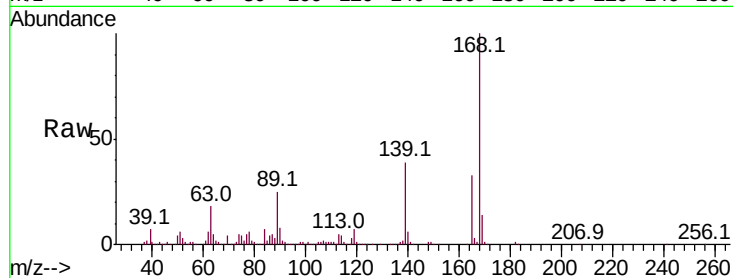
#57
2,4-Dinitrotoluene
Concen: 40.550 ng
RT: 14.61 min Scan# 1976
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampled :
RO-331MSD

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

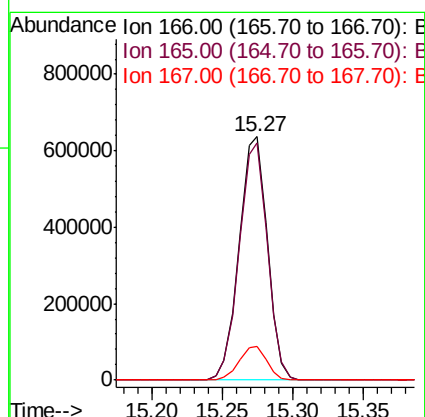
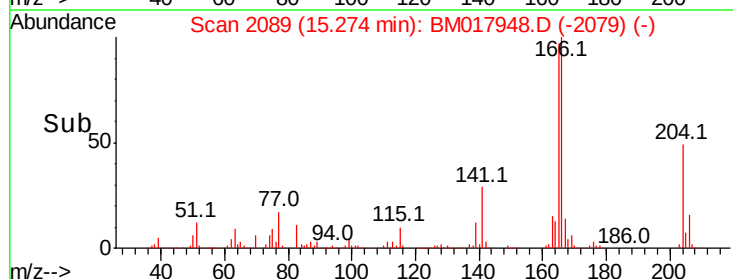
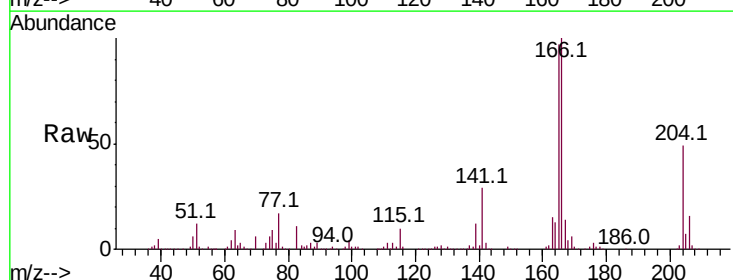
Manual Integrations
APPROVED

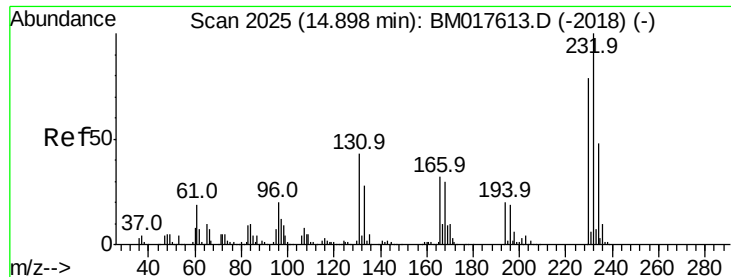
mohammad
12/6/2018 12:20:28 PM



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

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





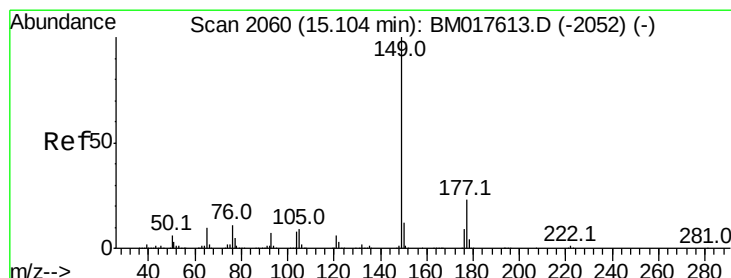
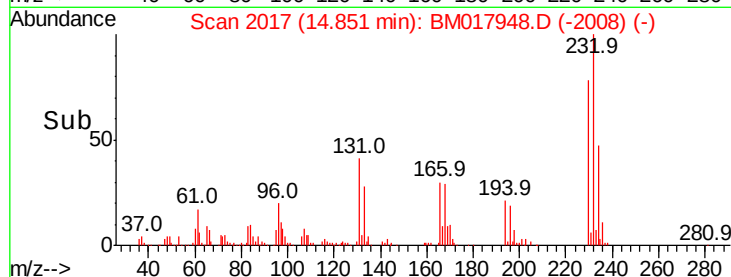
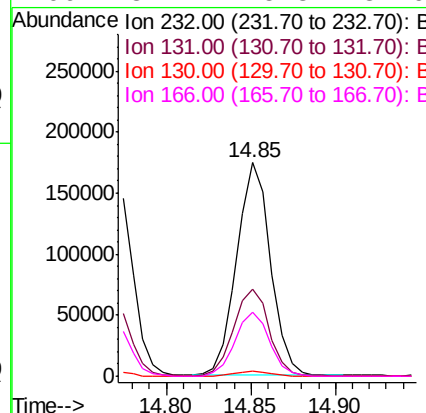
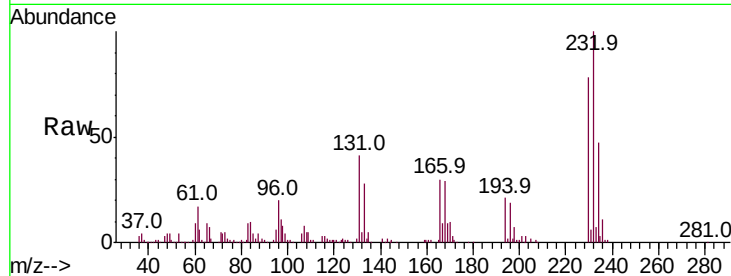
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.344 ng
RT: 14.85 min Scan# 2017
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	242258		
131	43.3		34.8	52.2
130	2.2		1.9	2.9
166	31.2		25.3	37.9

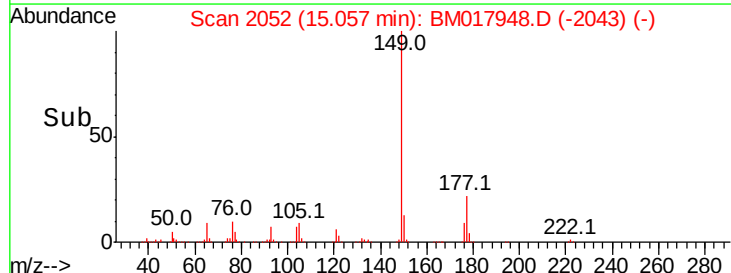
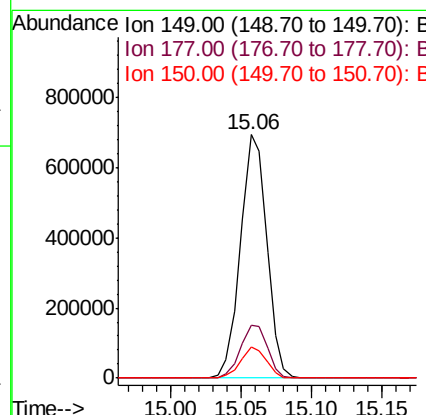
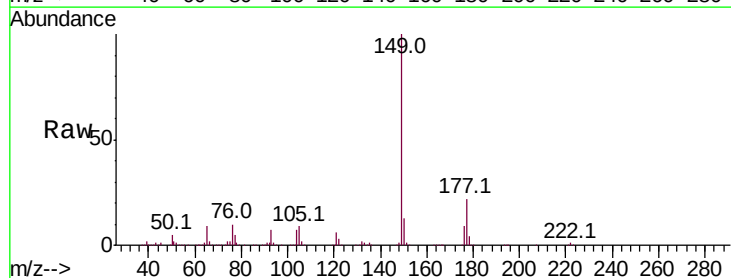
Manual Integrations
APPROVED

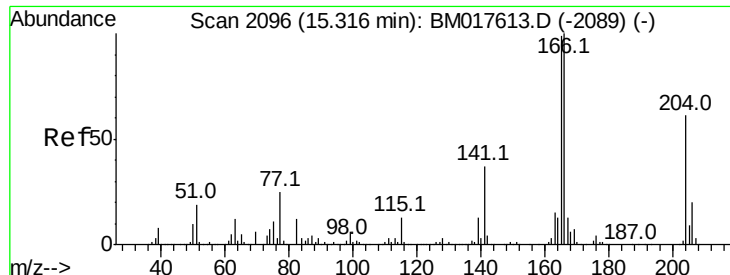
mohammad
12/6/2018 12:20:28 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	905428		
177	21.8		18.1	27.1
150	12.5		9.9	14.9





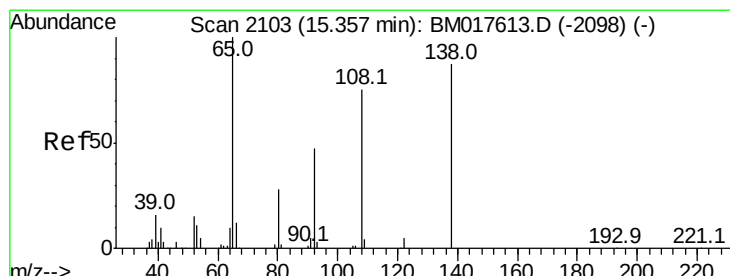
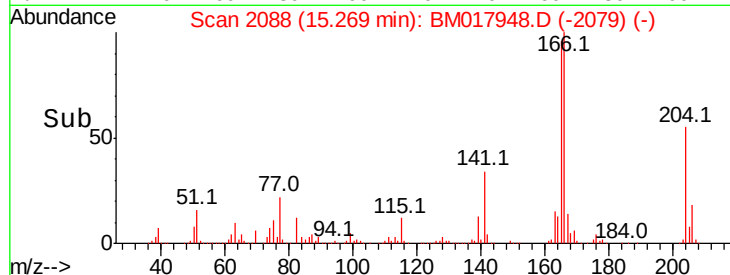
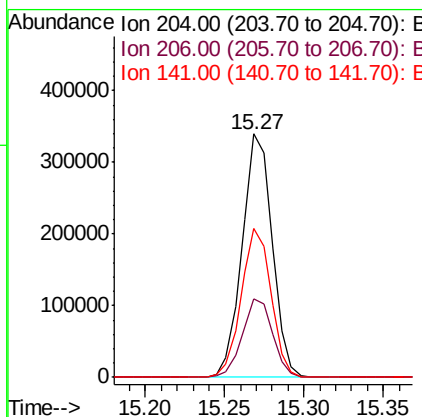
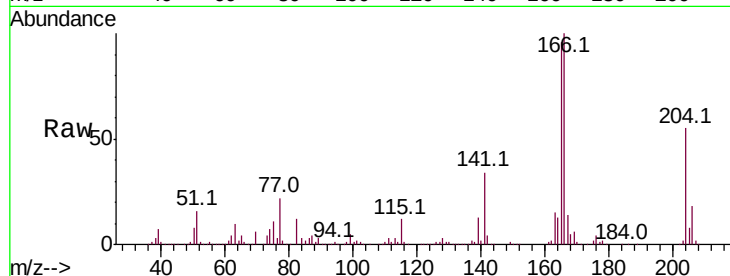
#61
 4-Chlorophenyl-phenylether
 Concen: 36.590 ng
 RT: 15.27 min Scan# 2088
 Delta R.T. -0.05 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleID :
 RO-331MSD

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

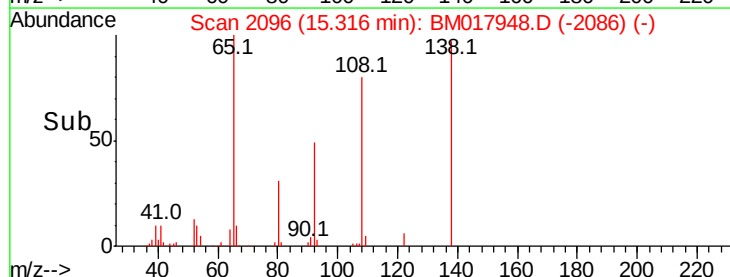
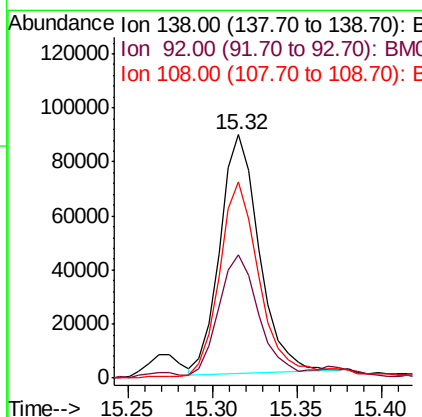
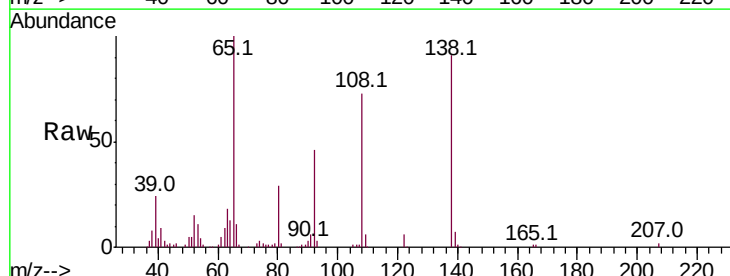
Manual Integrations
 APPROVED

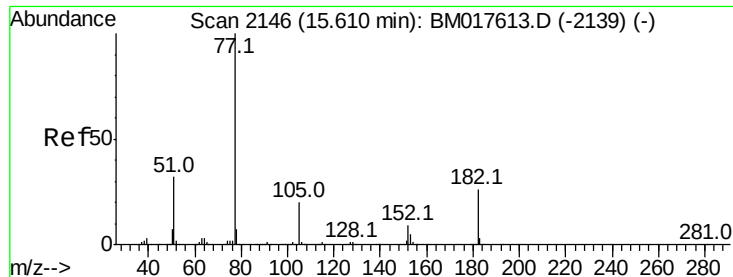
mohammad
 12/6/2018 12:20:28 PM



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

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





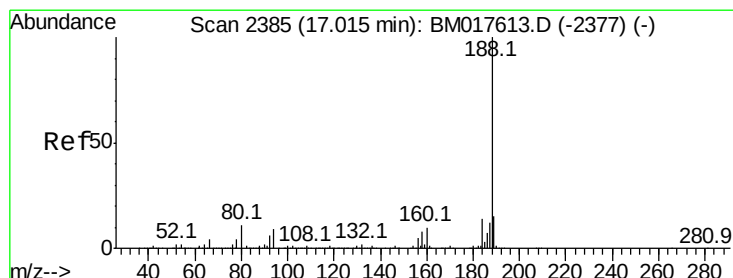
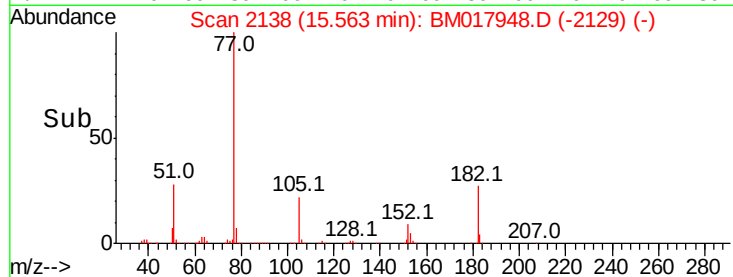
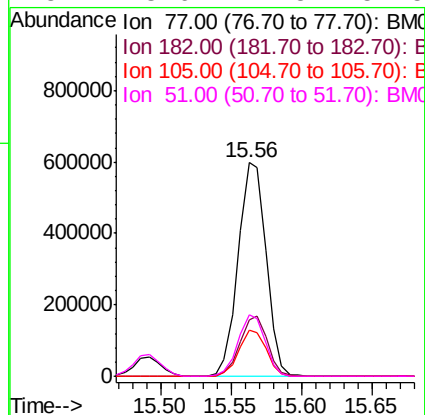
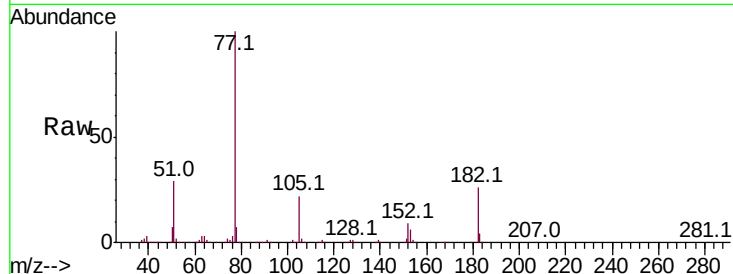
#63
Azobenzene
Concen: 36.234 ng
RT: 15.56 min Scan# 2138
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.8	45.8
105	21.6	0.0	40.0
51	28.6	12.5	52.5

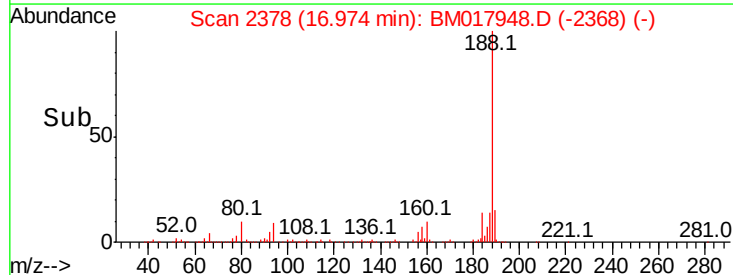
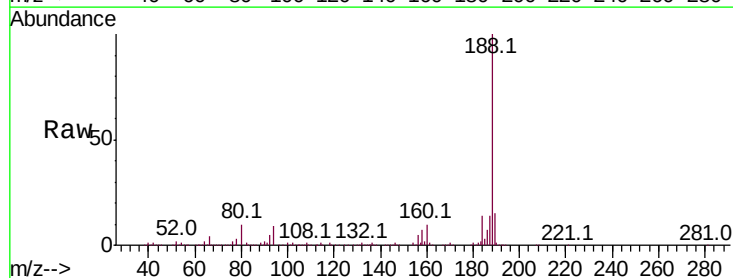
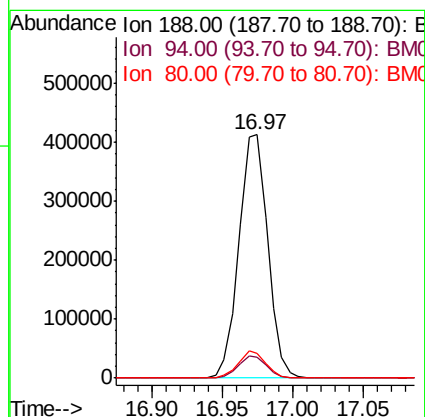
Manual Integrations
APPROVED

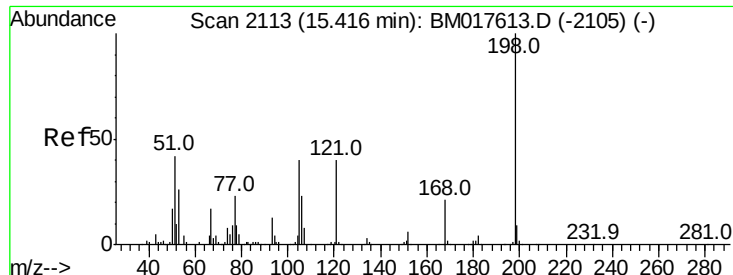
mohammad
12/6/2018 12:20:28 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2378
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.5	11.3
80	10.0	8.6	13.0





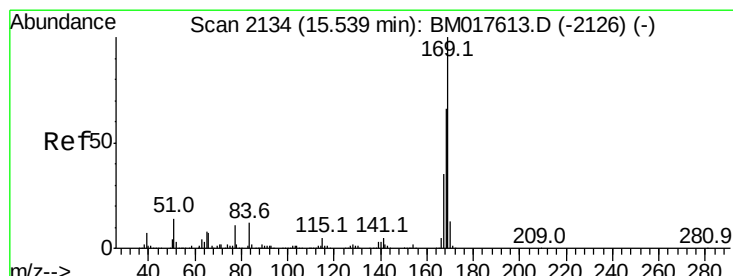
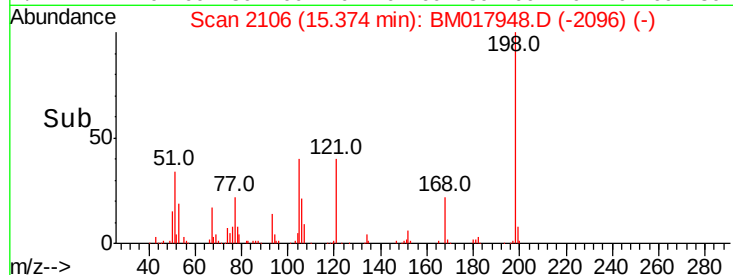
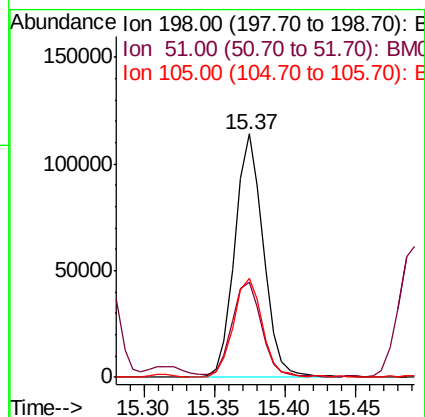
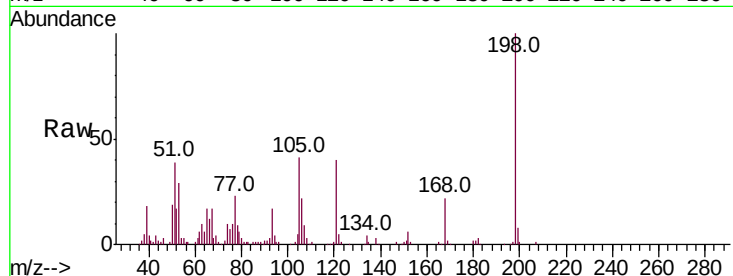
#65
4,6-Dinitro-2-methylphenol
Concen: 39.513 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	161304		
51	38.9	25.9	65.9	
105	40.7	20.6	60.6	

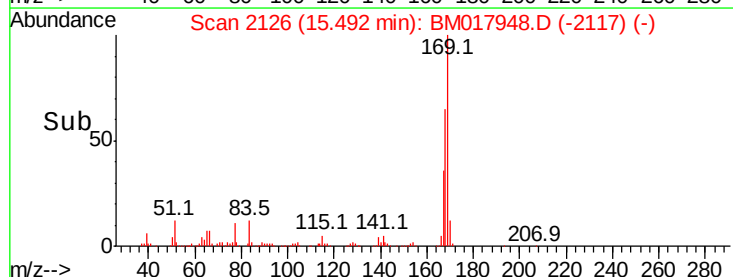
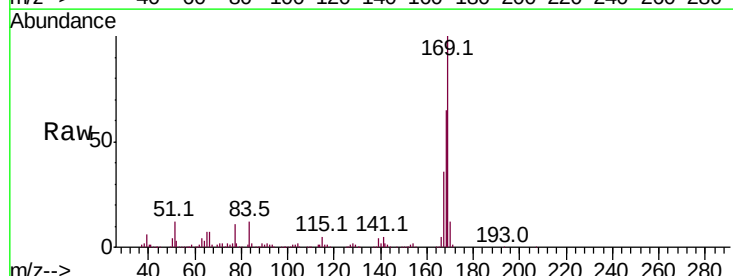
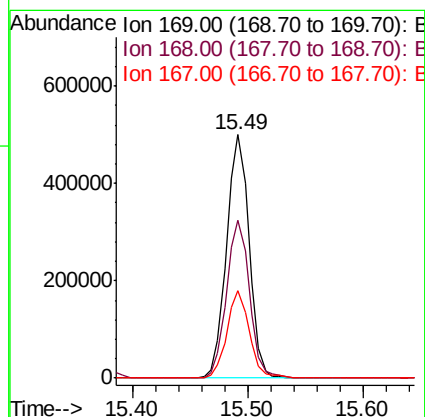
Manual Integrations
APPROVED

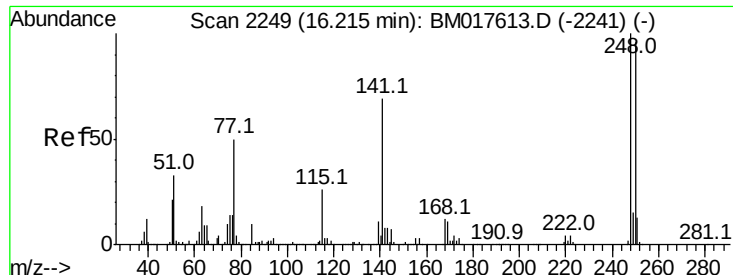
mohammad
12/6/2018 12:20:28 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	677180		
168	64.7	53.0	79.6	
167	35.7	28.0	42.0	





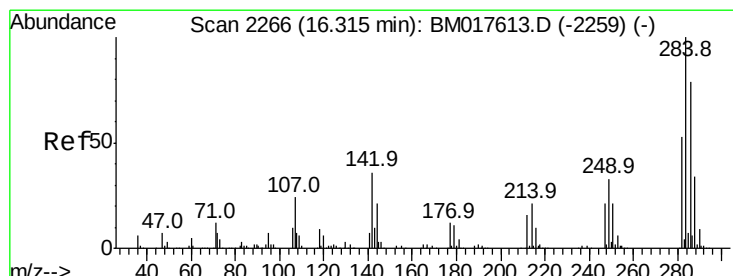
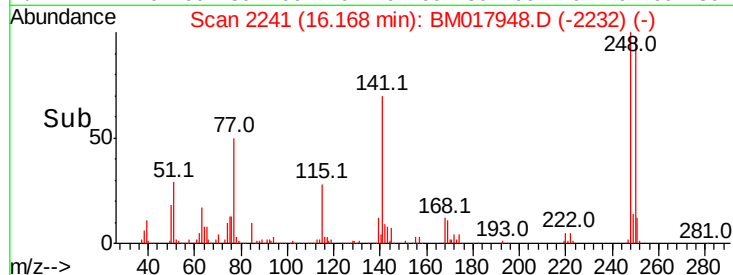
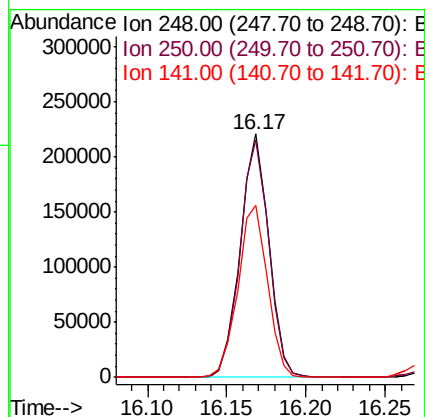
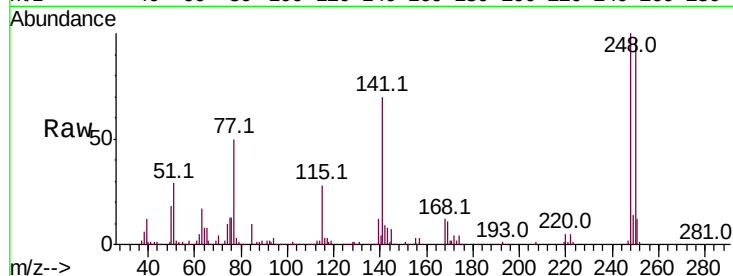
#67
4-Bromophenyl-phenylether
Concen: 39.550 ng
RT: 16.17 min Scan# 2241
Delta R.T. -0.05 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.5	114.7
141	70.4	54.9	82.3

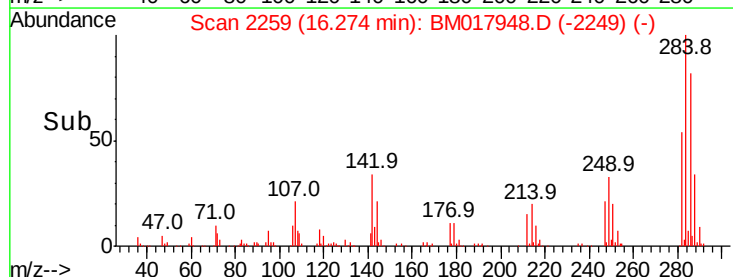
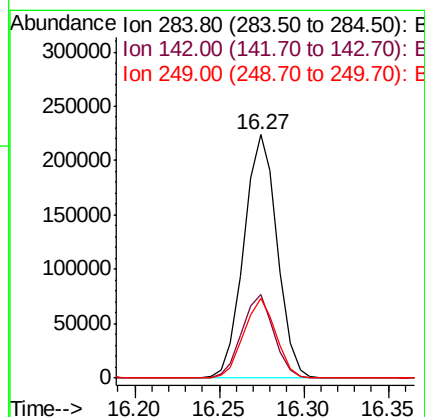
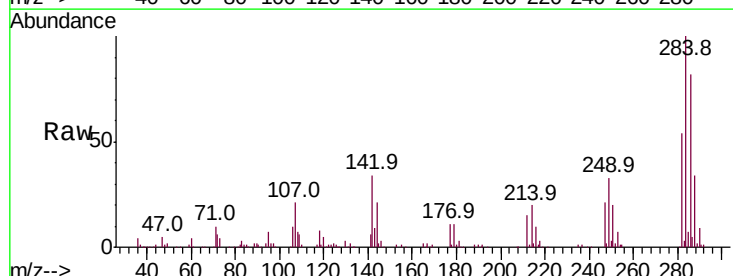
Manual Integrations
APPROVED

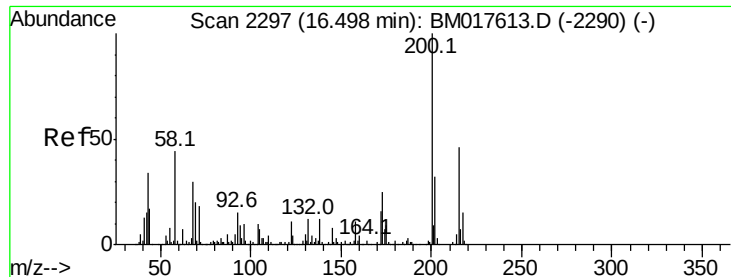
mohammad
12/6/2018 12:20:28 PM



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

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





#69

Atrazine

Concen: 22.518 ng

RT: 16.46 min Scan# 2290

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

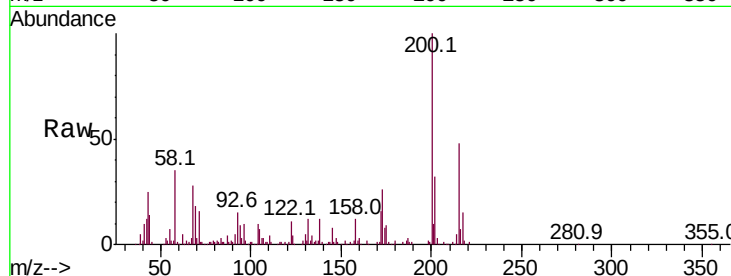
ClientSampleId :

RO-331MSD

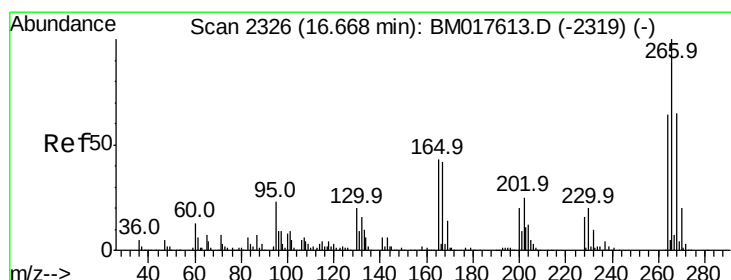
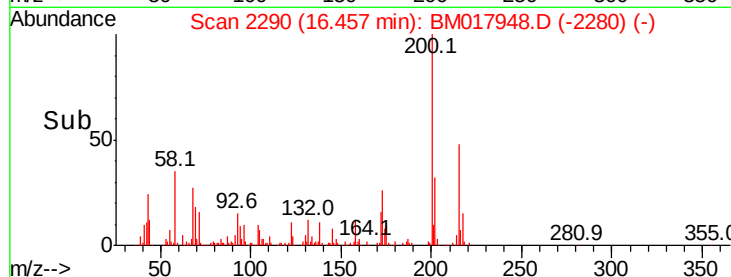
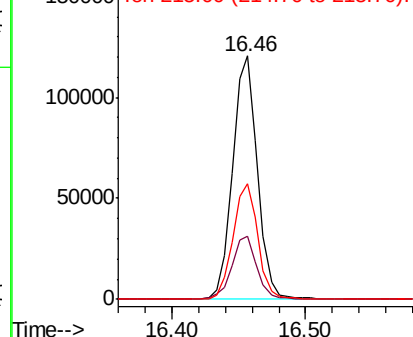
Tot Ion:	200	Resp:	156920
Ion Ratio	Lower	Upper	
200	100		
173	25.7	5.1	45.1
215	47.7	25.8	65.8

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



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: 70.186 ng

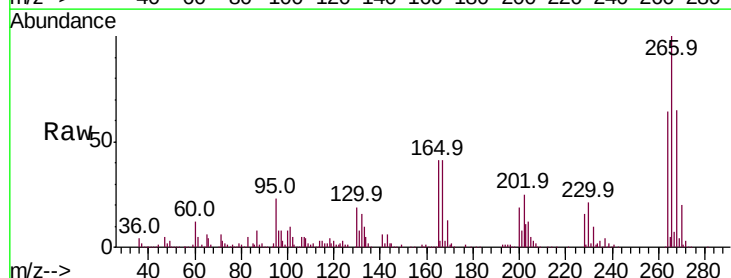
RT: 16.63 min Scan# 2319

Delta R.T. -0.04 min

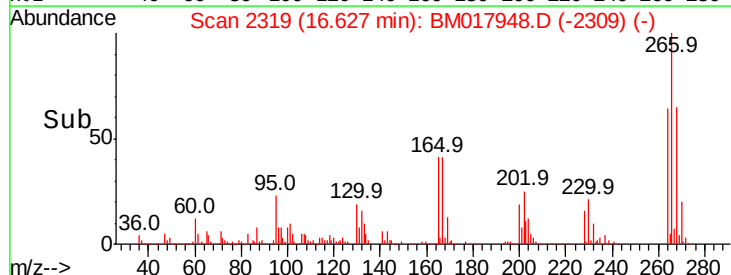
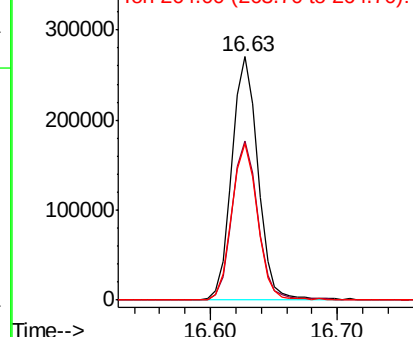
Lab File: BM017948.D

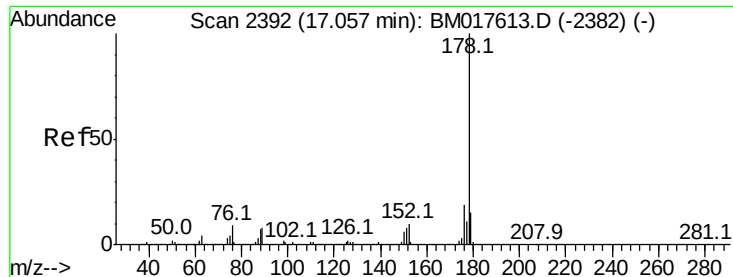
Acq: 05 Dec 2018 23:03

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



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: 42.985 ng

RT: 17.02 min Scan# 2385

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampled :

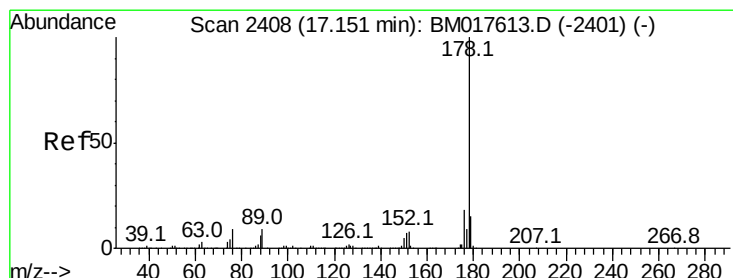
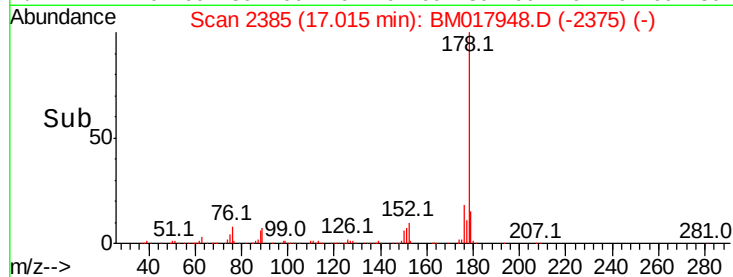
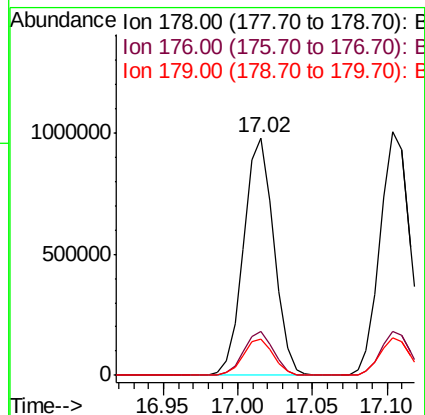
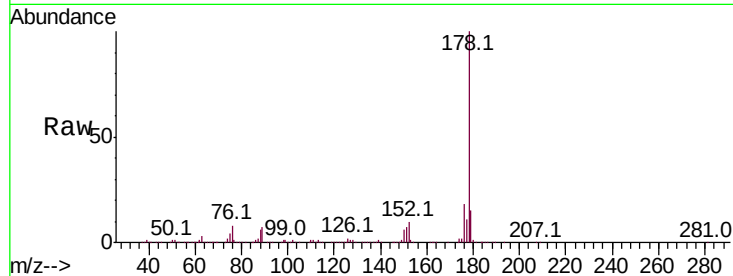
RO-331MSD

Tot Ion:178 Resp: 1374523

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.4	12.4	18.6

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#72

Anthracene

Concen: 44.817 ng

RT: 17.10 min Scan# 2400

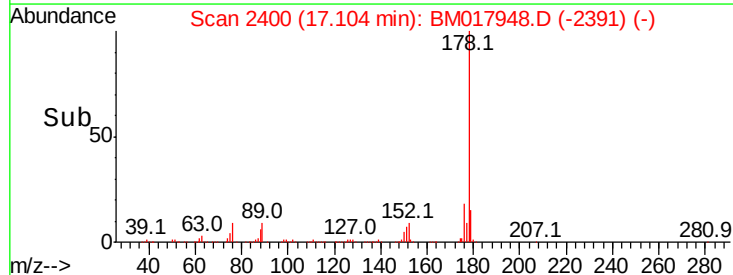
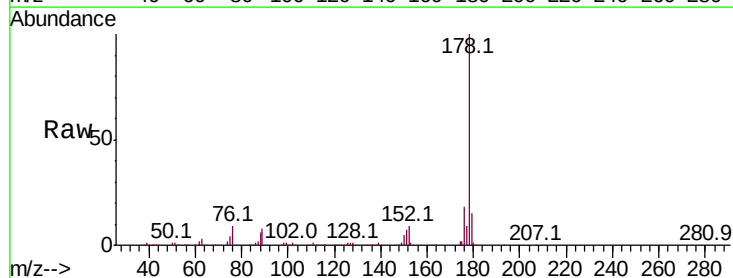
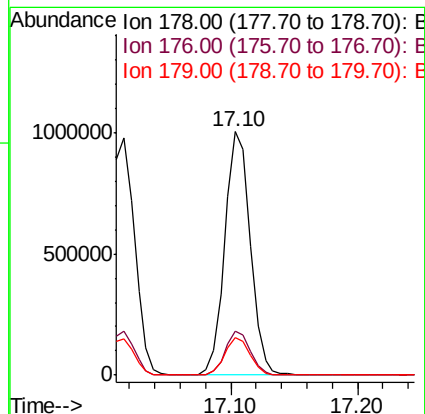
Delta R.T. -0.05 min

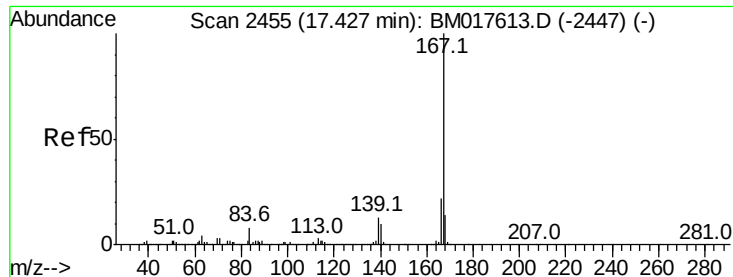
Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:178 Resp: 1394519

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.2	12.3	18.5





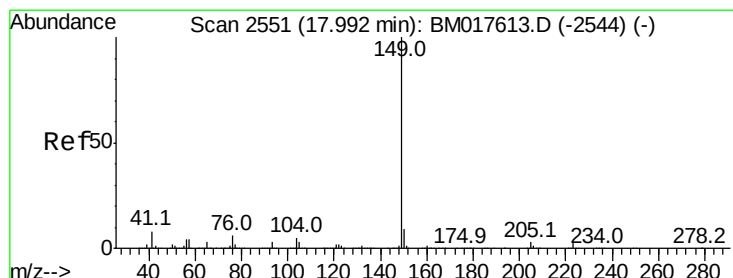
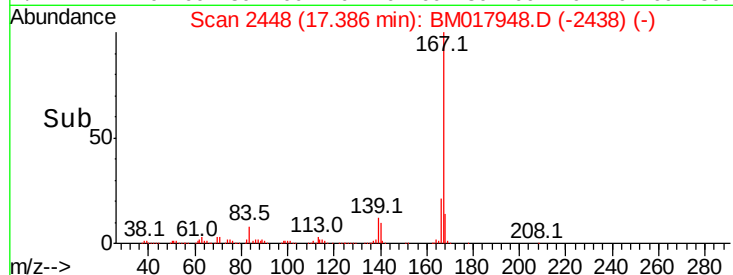
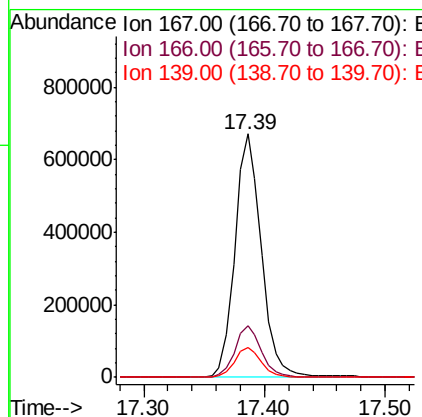
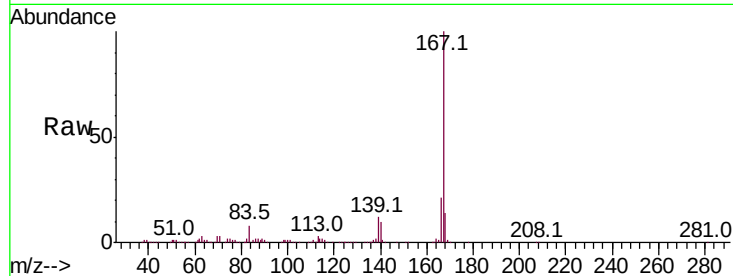
#73
 Carbazole
 Concen: 32.584 ng
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.04 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.3	10.2	15.4

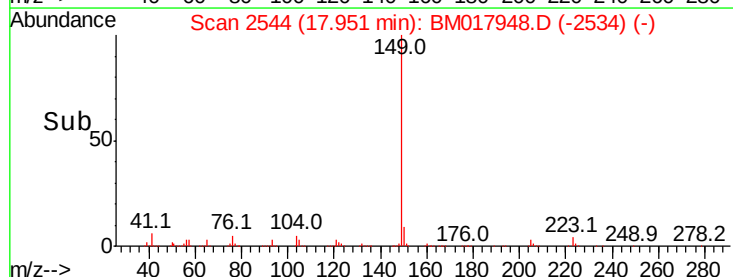
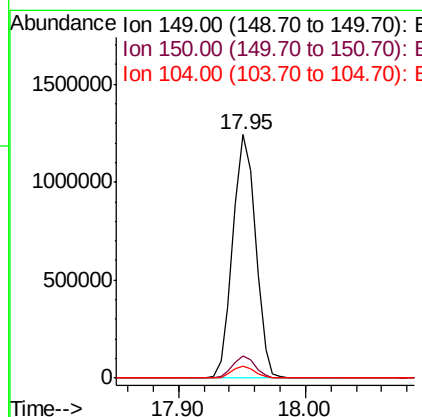
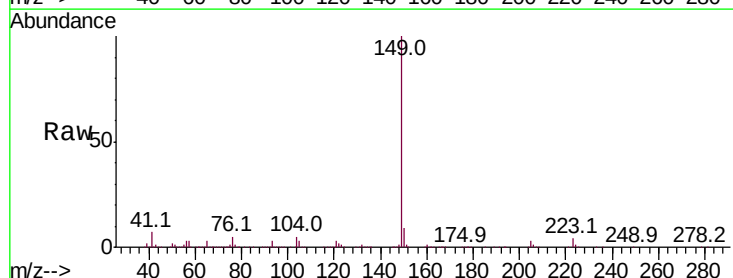
Manual Integrations
 APPROVED

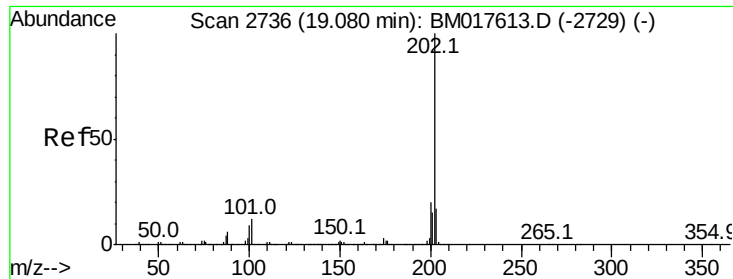
mohammad
 12/6/2018 12:20:28 PM



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

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





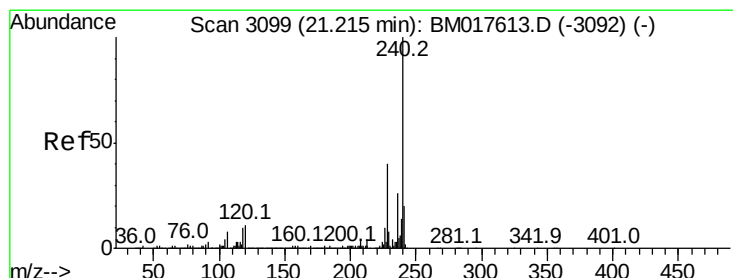
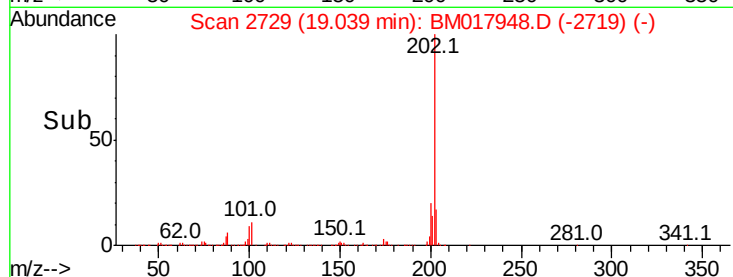
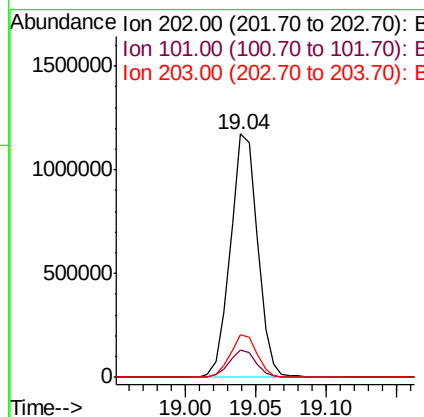
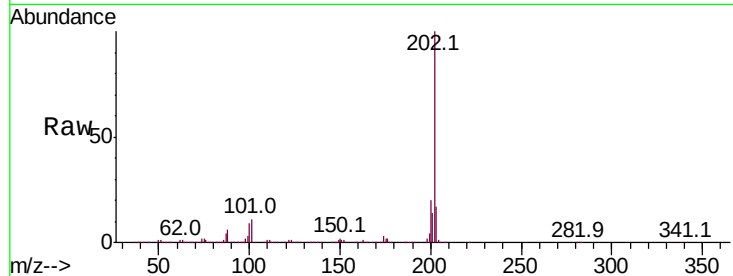
#75
Fluoranthene
Concen: 43.585 ng
RT: 19.04 min Scan# 2729
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1576912		
101	11.4	0.0	31.5	
203	17.3	0.0	37.2	

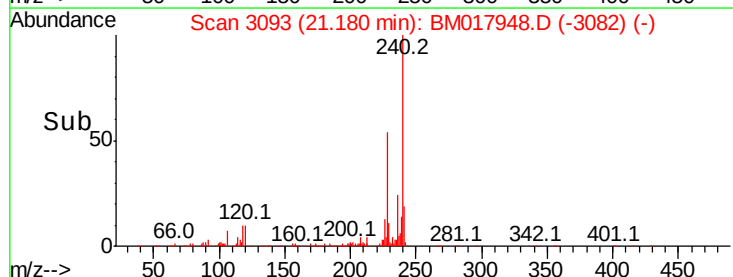
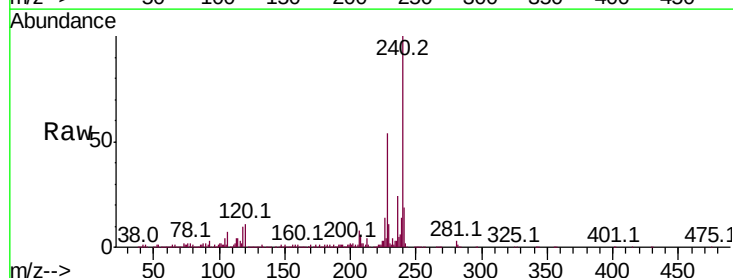
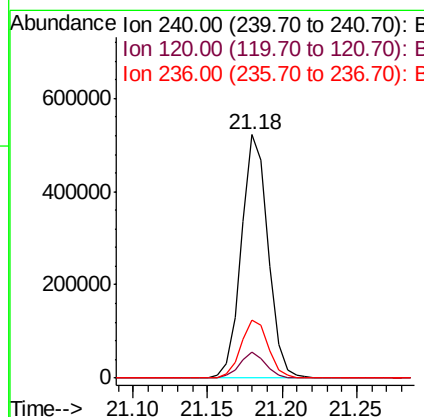
Manual Integrations
APPROVED

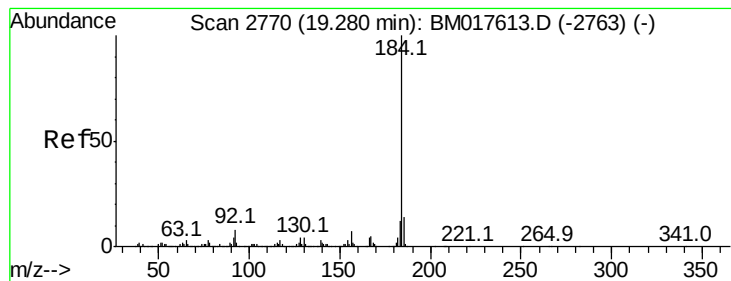
mohammad
12/6/2018 12:20:28 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	647405		
120	10.6	8.5	12.7	
236	23.9	20.4	30.6	





#77

Benzidine

Concen: 1.958 ng/mL

RT: 19.26 min Scan# 2767

Delta R.T. -0.02 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

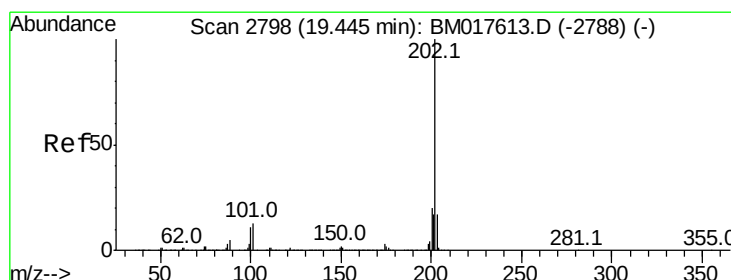
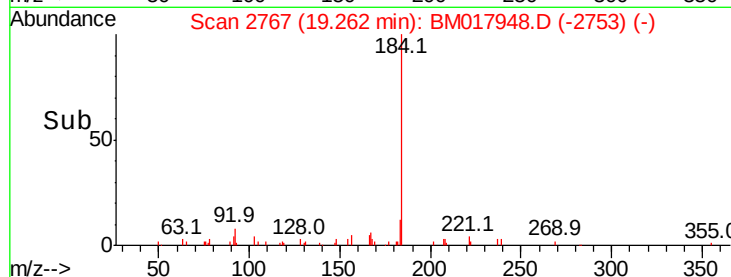
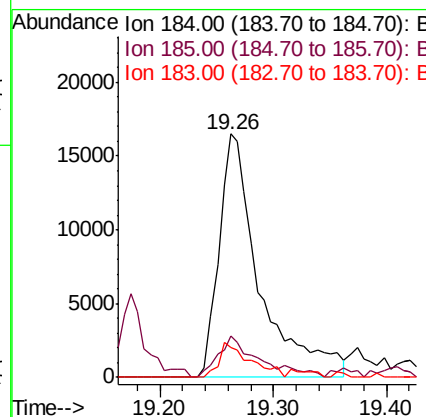
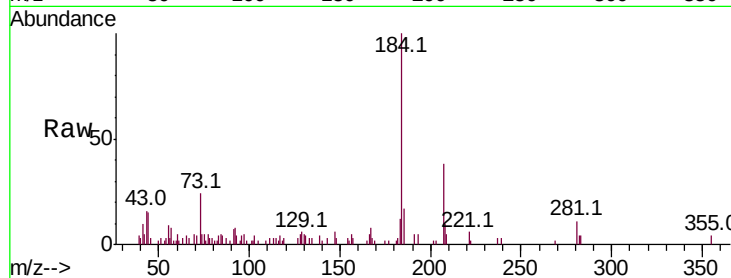
ClientSampleId :

RO-331MSD

Tot Ion:	184	Resp:	41273
Ion Ratio	Lower	Upper	
184	100		
185	16.9	11.2	16.8#
183	12.2	9.5	14.3

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#78

Pyrene

Concen: 40.156 ng/mL

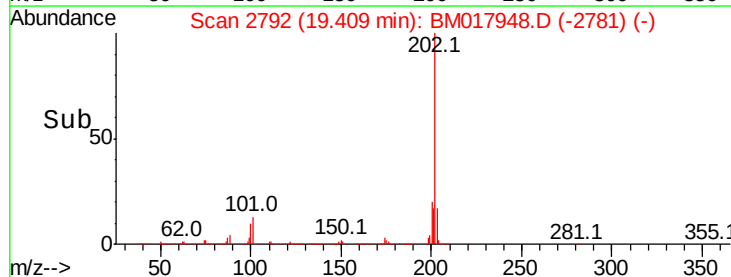
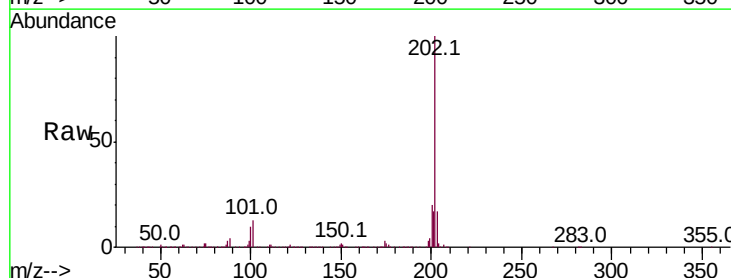
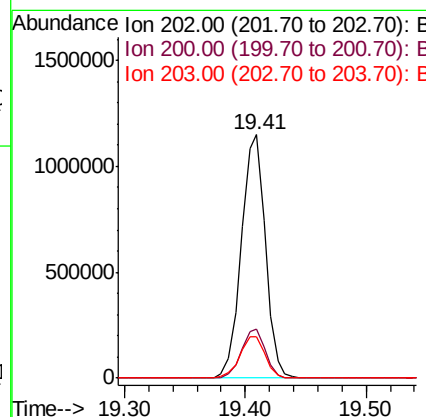
RT: 19.41 min Scan# 2792

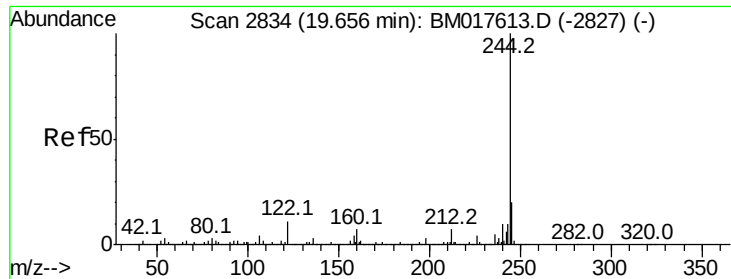
Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

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





#79

Terphenyl-d14

Concen: 74.161 ng

RT: 19.62 min Scan# 2828

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tot Ion:244 Resp: 2118419

Ion Ratio Lower Upper

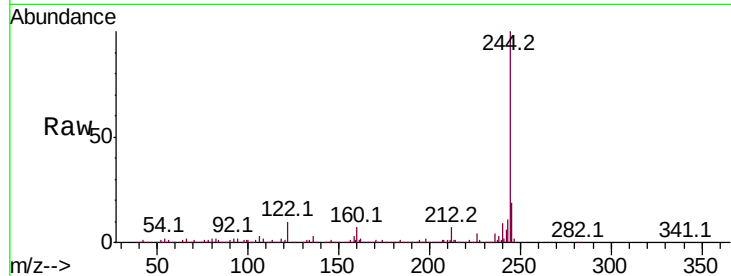
244 100

212 7.0 5.8 8.6

122 10.0 9.0 13.6

Manual Integrations
APPROVED

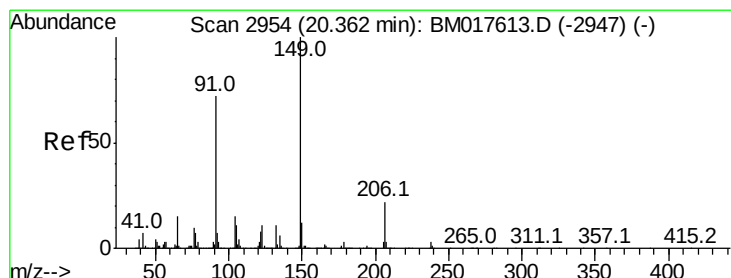
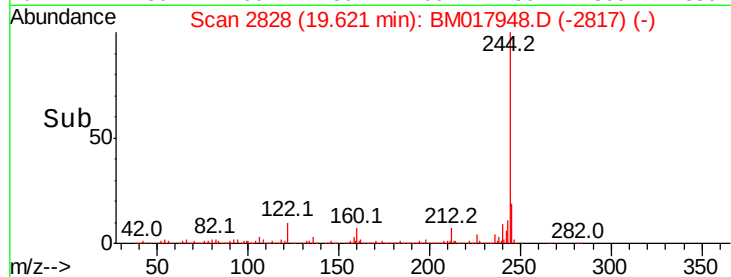
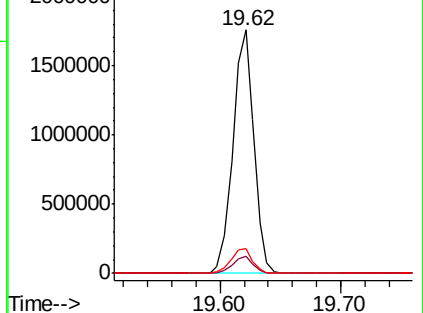
mohammad
12/6/2018 12:20:28 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.991 ng

RT: 20.33 min Scan# 2948

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

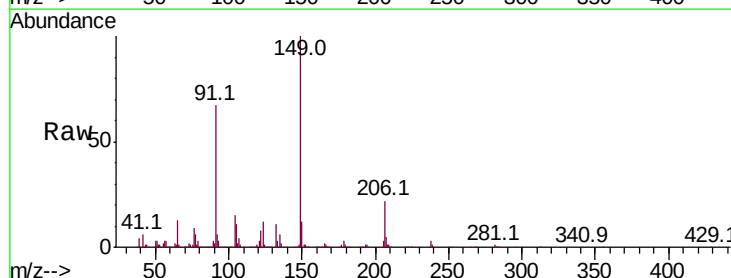
Tgt Ion:149 Resp: 713724

Ion Ratio Lower Upper

149 100

91 66.8 57.6 86.4

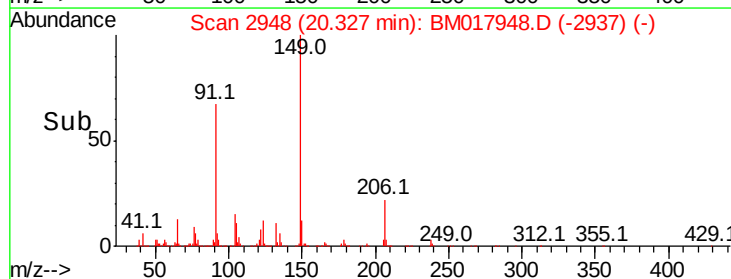
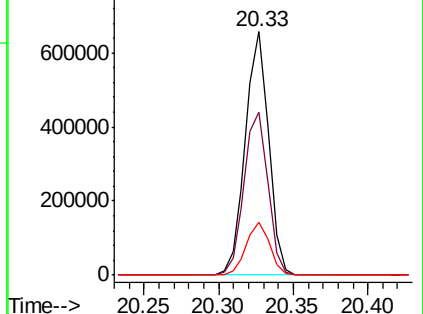
206 21.9 17.4 26.0

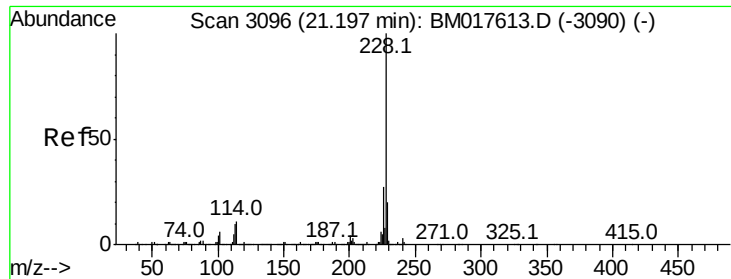


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.674 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.03 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

ClientSampleId :

RO-331MSD

Tot Ion:228 Resp: 1628973

Ion Ratio Lower Upper

228 100

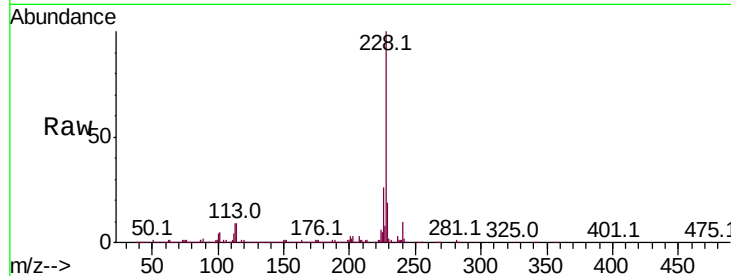
226 25.5 21.3 31.9

229 18.7 16.0 24.0

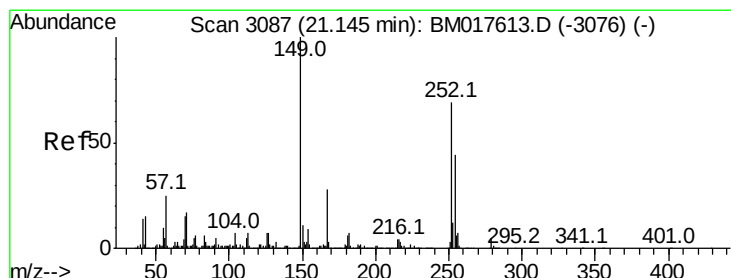
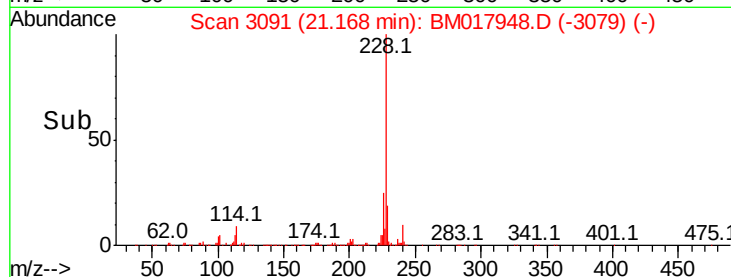
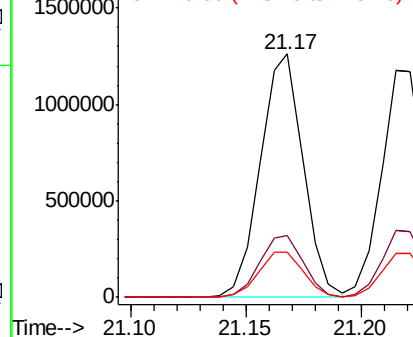
Manual Integrations
APPROVED

mohammad

12/6/2018 12:20:28 PM



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



#82

3,3'-Dichlorobenzidine

Concen: 9.725 ng

RT: 21.11 min Scan# 3081

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

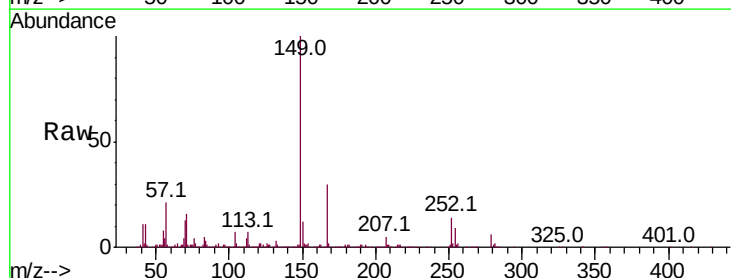
Tgt Ion:252 Resp: 139998

Ion Ratio Lower Upper

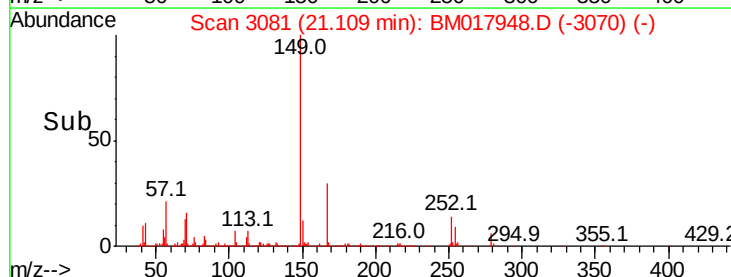
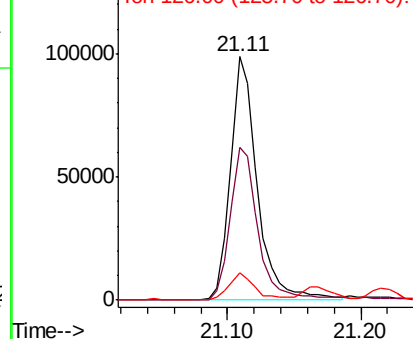
252 100

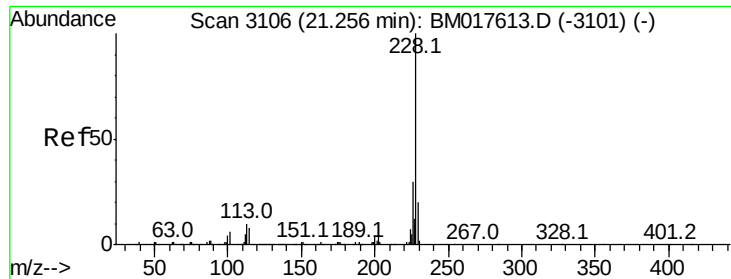
254 62.8 51.4 77.2

126 11.0 8.0 12.0



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





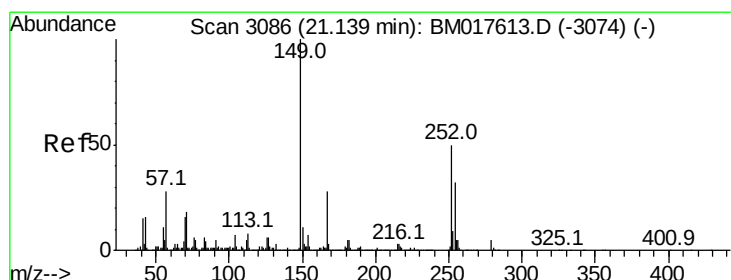
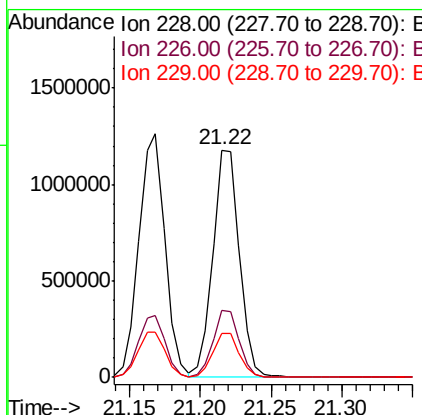
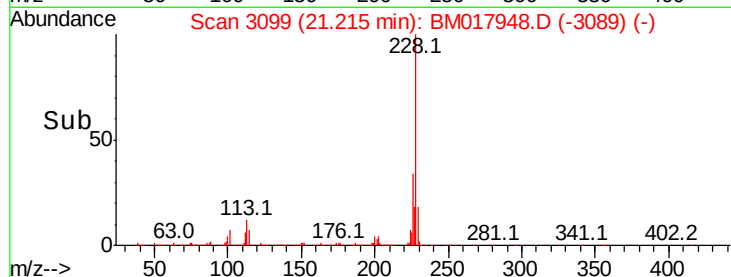
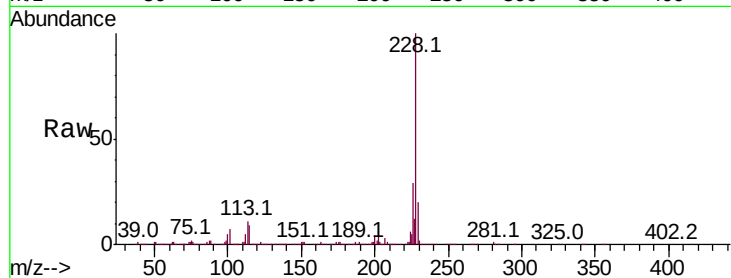
#83
Chrysene
Concen: 42.357 ng
RT: 21.22 min Scan# 3099
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.6	35.4
229	19.5	15.8	23.6

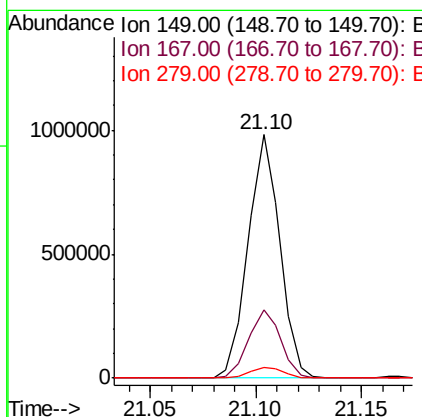
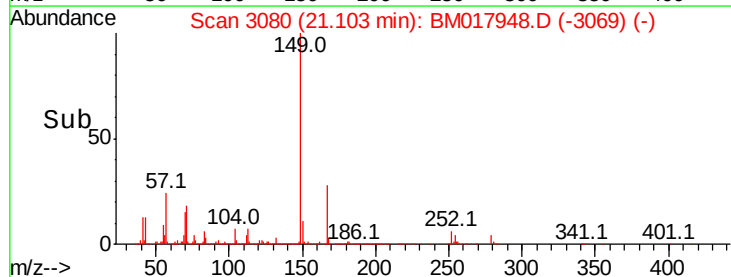
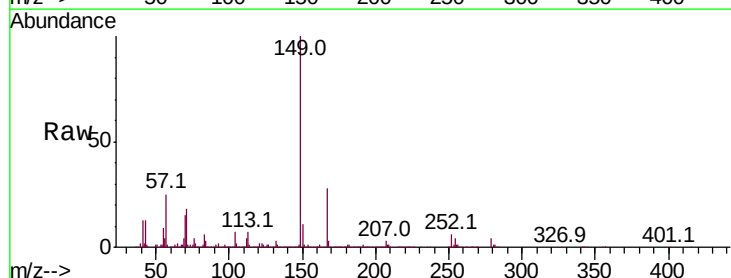
Manual Integrations
APPROVED

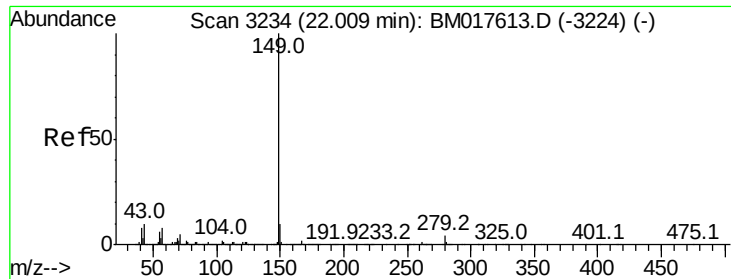
mohammad
12/6/2018 12:20:28 PM



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

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





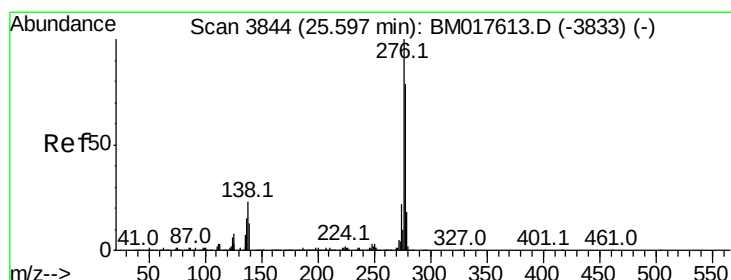
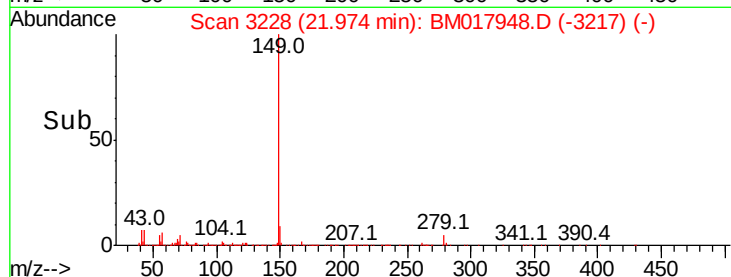
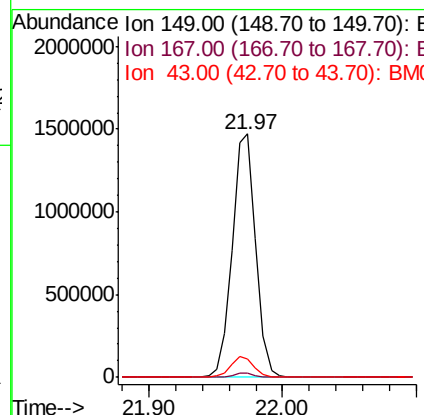
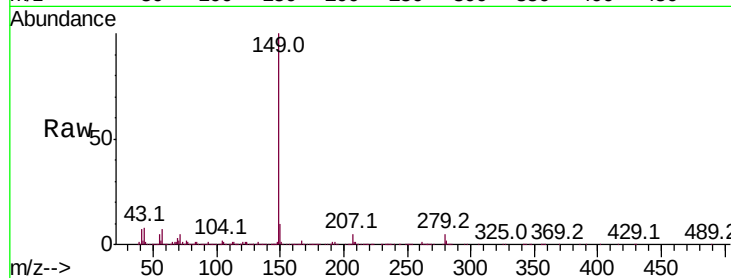
#85
Di-n-octyl phthalate
Concen: 47.016 ng
RT: 21.97 min Scan# 3228
Delta R.T. -0.04 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Instrument :
BNA_M
ClientSampleId :
RO-331MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	8.3	12.5#

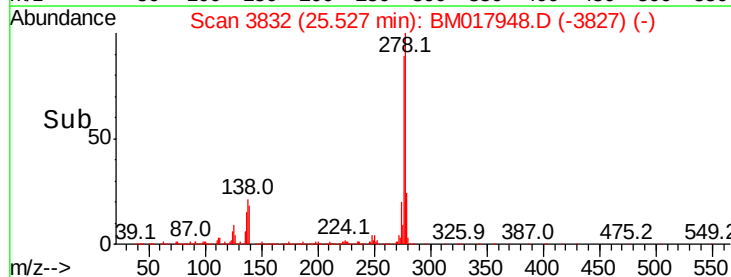
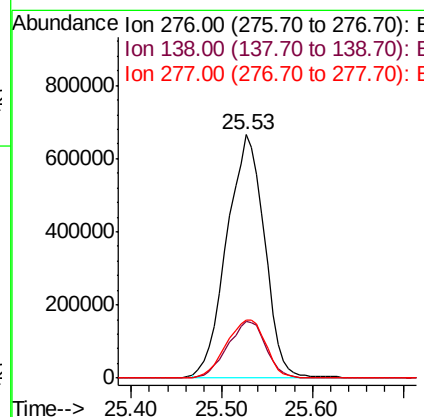
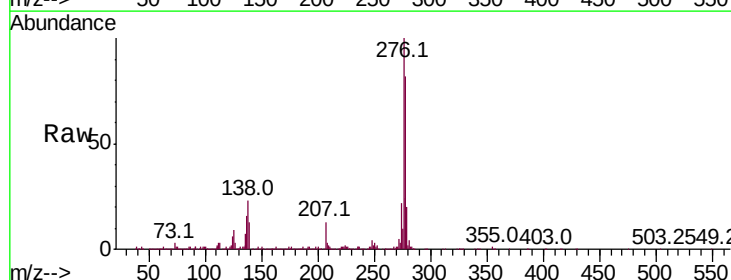
Manual Integrations
APPROVED

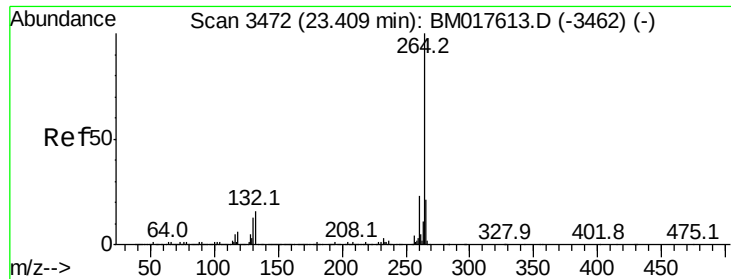
mohammad
12/6/2018 12:20:28 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 65.525 ng
RT: 25.53 min Scan# 3832
Delta R.T. -0.07 min
Lab File: BM017948.D
Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.1	28.7
277	25.2	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3464

Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

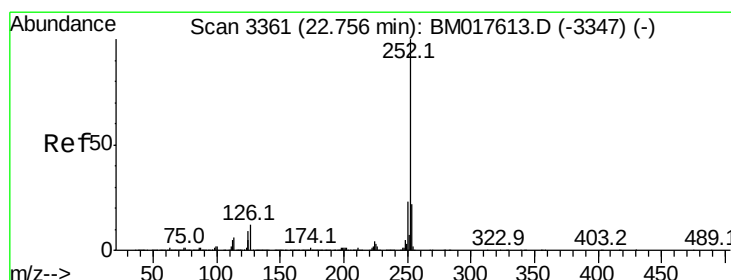
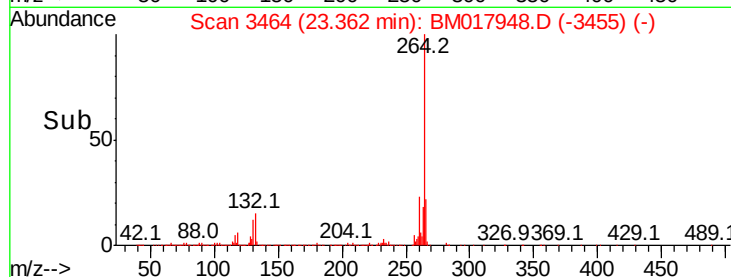
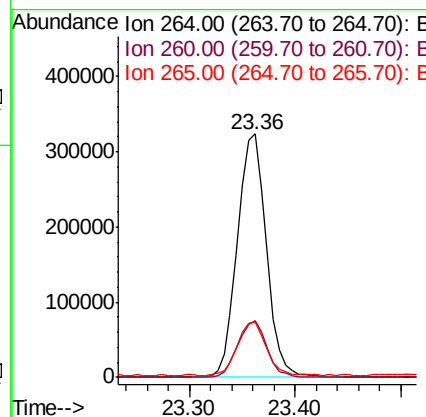
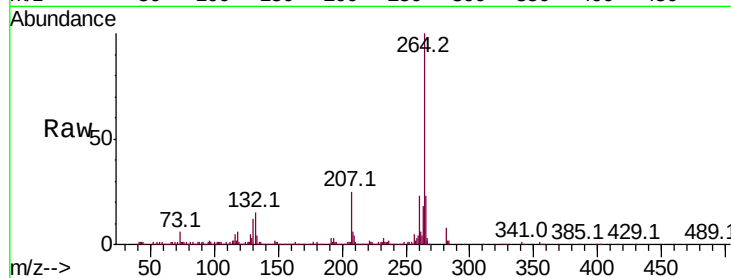
ClientSampleId :

RO-331MSD

Tot Ion:	264	Resp:	614060
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.2	27.2
265	22.5	17.5	26.3

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#88

Benzo(b)fluoranthene

Concen: 46.048 ng

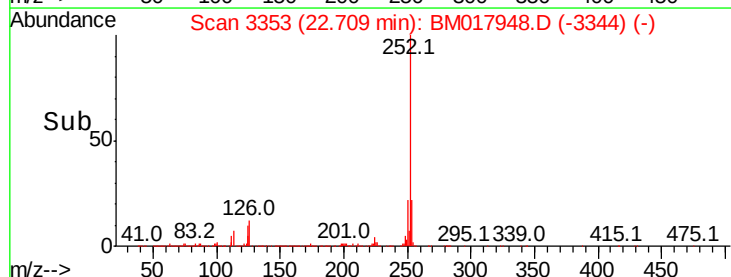
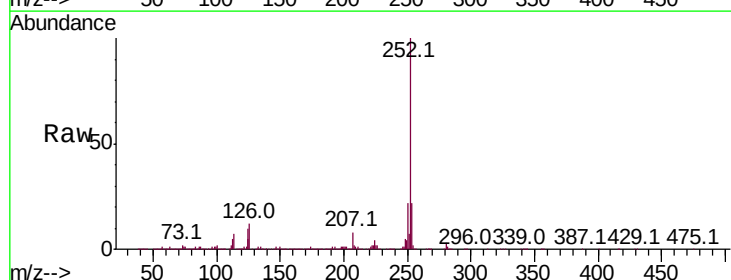
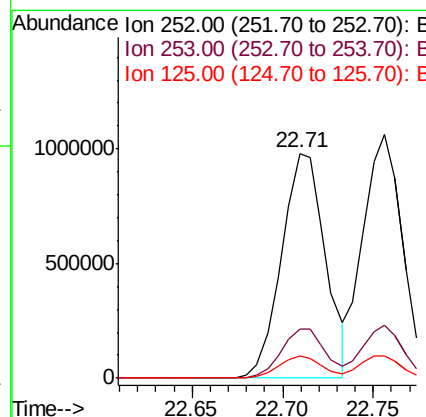
RT: 22.71 min Scan# 3353

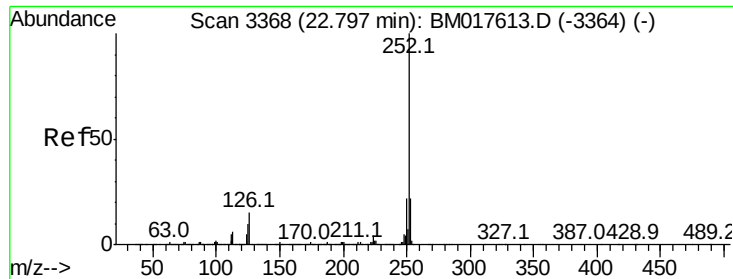
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:	252	Resp:	1655962
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	9.7	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 44.151 ng

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Instrument :

BNA_M

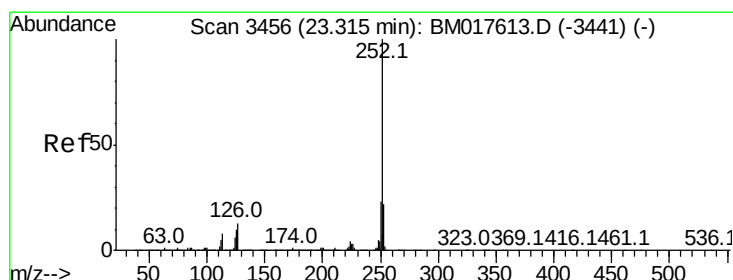
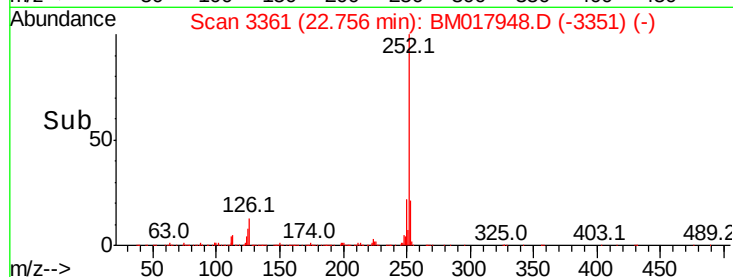
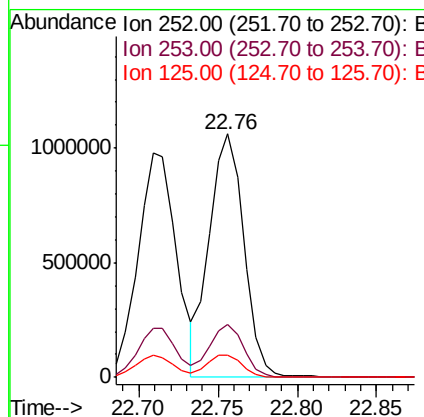
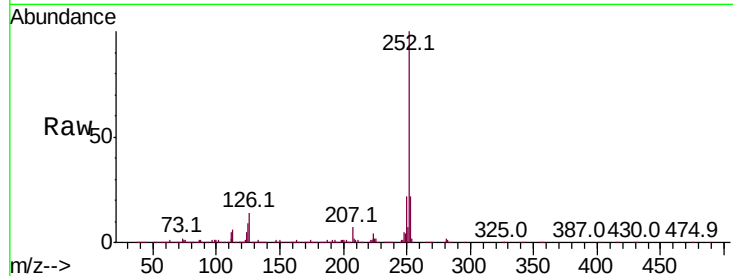
ClientSampleId :

RO-331MSD

Tot Ion:	252	Resp:	1604782
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.2	7.9	11.9

Manual Integrations
APPROVED

mohammad
12/6/2018 12:20:28 PM



#90

Benzo(a)pyrene

Concen: 47.697 ng

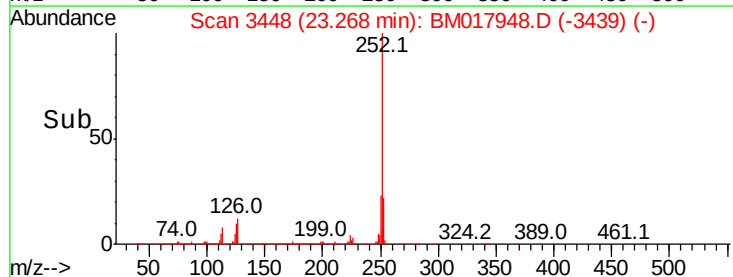
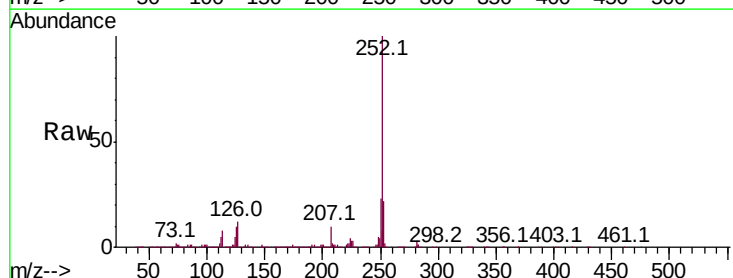
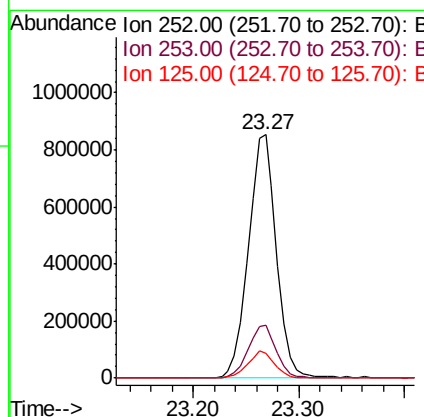
RT: 23.27 min Scan# 3448

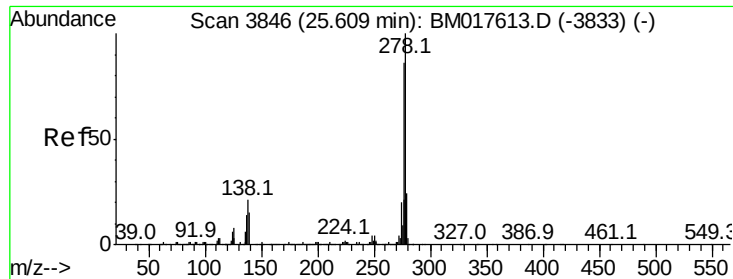
Delta R.T. -0.05 min

Lab File: BM017948.D

Acq: 05 Dec 2018 23:03

Tgt Ion:	252	Resp:	1563962
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.3	8.2	12.2





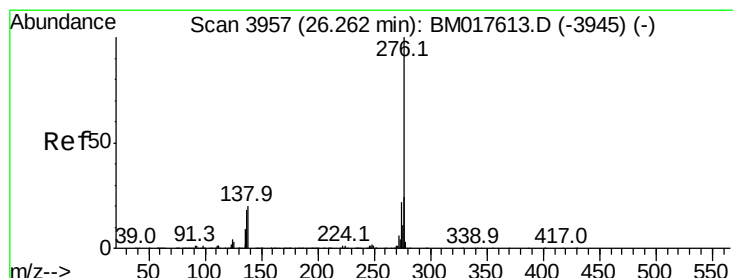
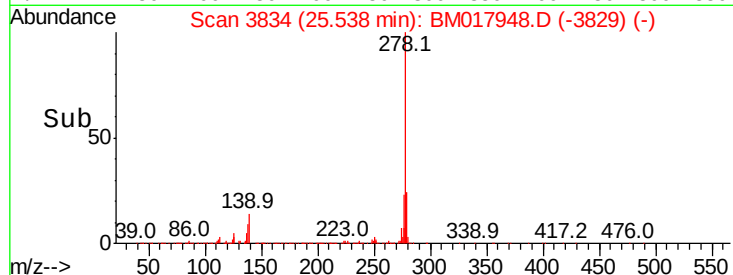
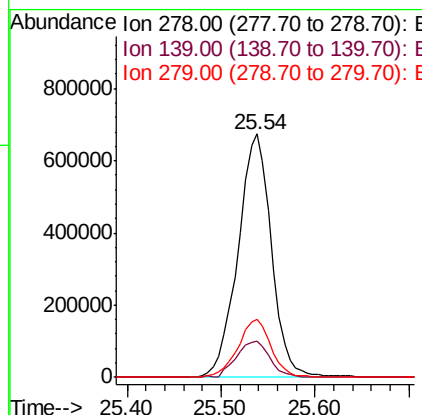
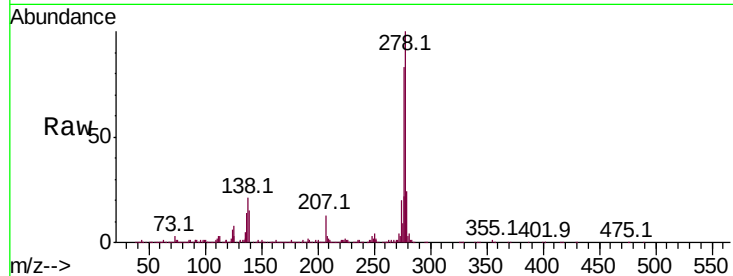
#91
 Dibenzo(a,h)anthracene
 Concen: 60.045 ng
 RT: 25.54 min Scan# 3834
 Delta R.T. -0.07 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Instrument :
 BNA_M
 ClientSampleId :
 RO-331MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.8	17.6
279	23.6	19.0	28.6

Manual Integrations
 APPROVED

mohammad
 12/6/2018 12:20:28 PM



#92
 Benzo(g,h,i)perylene
 Concen: 60.909 ng
 RT: 26.19 min Scan# 3944
 Delta R.T. -0.08 min
 Lab File: BM017948.D
 Acq: 05 Dec 2018 23:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	20.2	15.9	23.9

