

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\
 Data File : BM019018.D
 Acq On : 04 Mar 2019 20:17
 Operator : JU/SJ
 Sample : K1712-19MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

Quant Time: Mar 05 04:15:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	269657	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	1127436	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	630853	20.00	ng	0.00
64) Phenanthrene-d10	17.09	188	1334698	20.00	ng	0.00
76) Chrysene-d12	21.29	240	1134828	20.00	ng	0.00
87) Perylene-d12	23.53	264	1043746	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	2201563	133.77	ng	0.00
7) Phenol-d6	6.86	99	3169486	136.70	ng	0.00
23) Nitrobenzene-d5	8.85	82	1973945	80.96	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	1178933	129.64	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	3785516	79.66	ng	0.00
79) Terphenyl-d14	19.72	244	5098951	92.69	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.23	88	224963	31.384	ng	97
3) Pyridine	3.63	79	653206	33.408	ng	99
4) n-Nitrosodimethylamine	3.55	42	222247	44.681	ng	93
6) Aniline	7.03	93	425775	14.988	ng	99
8) 2-Chlorophenol	7.25	128	778202	43.068	ng	98
9) Benzaldehyde	6.84	77	590018	49.570	ng	99
10) Phenol	6.89	94	1141775	46.803	ng	99
11) bis(2-Chloroethyl)ether	7.12	93	731813	39.325	ng	98
12) 1,3-Dichlorobenzene	7.56	146	748495	36.839	ng	99
13) 1,4-Dichlorobenzene	7.72	146	775102	37.472	ng	99
14) 1,2-Dichlorobenzene	8.03	146	754371	37.968	ng	99
15) Benzyl Alcohol	7.93	79	759381	41.220	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.21	45	722567	40.118	ng	98
17) 2-Methylphenol	8.13	107	674840	43.463	ng	97
18) Hexachloroethane	8.74	117	283419	37.535	ng	98
19) n-Nitroso-di-n-propylamine	8.49	70	699744	38.980	ng	98
20) 3+4-Methylphenols	8.46	107	912771	42.573	ng	98
22) Acetophenone	8.51	105	1154034	37.273	ng	99
24) Nitrobenzene	8.89	77	981143	38.766	ng	99
25) Isophorone	9.41	82	1733140	44.547	ng	99
26) 2-Nitrophenol	9.59	139	417472	41.419	ng	99
27) 2,4-Dimethylphenol	9.65	122	708421	48.122	ng	99
28) bis(2-Chloroethoxy)methane	9.89	93	1034965	41.138	ng	99
29) 2,4-Dichlorophenol	10.12	162	725154	42.900	ng	100
30) 1,2,4-Trichlorobenzene	10.33	180	738864	37.849	ng	98
31) Naphthalene	10.52	128	2279903	41.463	ng	99
32) Benzoic acid	9.77	122	134192m	10.450	ng	
33) 4-Chloroaniline	10.65	127	123533	5.026	ng	98
34) Hexachlorobutadiene	10.78	225	396174	34.964	ng	100
35) Caprolactam	11.46	113	222831m	32.301	ng	
36) 4-Chloro-3-methylphenol	11.77	107	832107	40.829	ng	99
37) 2-Methylnaphthalene	12.13	142	1676334	43.301	ng	99
38) 1-Methylnaphthalene	12.36	142	1587590	41.937	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.50	216	787030	39.000	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\
 Data File : BM019018.D
 Acq On : 04 Mar 2019 20:17
 Operator : JU/SJ
 Sample : K1712-19MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

Quant Time: Mar 05 04:15:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.47	237	818648	79.344	ng	98
43) 2,4,6-Trichlorophenol	12.76	196	576406	43.146	ng	99
44) 2,4,5-Trichlorophenol	12.83	196	606662	43.325	ng	99
46) 1,1'-Biphenyl	13.16	154	2124654	39.126	ng	100
47) 2-Chloronaphthalene	13.20	162	1652326	39.395	ng	100
48) 2-Nitroaniline	13.43	65	562470	40.378	ng	99
49) Acenaphthylene	14.06	152	2666578	42.697	ng	100
50) Dimethylphthalate	13.80	163	2357669	44.844	ng	100
51) 2,6-Dinitrotoluene	13.93	165	460805	40.461	ng	95
52) Acenaphthene	14.40	154	1541316	40.249	ng	99
53) 3-Nitroaniline	14.26	138	204995	15.930	ng	96
54) 2,4-Dinitrophenol	14.47	184	416366	59.228	ng	98
55) Dibenzofuran	14.73	168	2475309	39.326	ng	99
56) 4-Nitrophenol	14.58	139	777703	75.708	ng	95
57) 2,4-Dinitrotoluene	14.72	165	645416	41.131	ng	98
58) Fluorene	15.39	166	2012108	41.785	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.96	232	532143	42.995	ng	99
60) Diethylphthalate	15.17	149	2104192	38.799	ng	99
61) 4-Chlorophenyl-phenylether	15.38	204	988948	36.630	ng	98
62) 4-Nitroaniline	15.44	138	424364	33.638	ng	97
63) Azobenzene	15.67	77	2234251	38.422	ng	100
65) 4,6-Dinitro-2-methylphenol	15.48	198	321352	34.292	ng	99
66) n-Nitrosodiphenylamine	15.60	169	1738958	41.238	ng	99
67) 4-Bromophenyl-phenylether	16.28	248	581513	38.924	ng	99
68) Hexachlorobenzene	16.38	284	684478	39.417	ng	97
69) Atrazine	16.56	200	578951	42.587	ng	99
70) Pentachlorophenol	16.73	266	825689	73.847	ng	99
71) Phenanthrene	17.13	178	2969400	41.398	ng	100
72) Anthracene	17.22	178	3009150	43.101	ng	100
73) Carbazole	17.50	167	2752377	37.734	ng	99
74) Di-n-butylphthalate	18.05	149	3456475	41.204	ng	100
75) Fluoranthene	19.15	202	3168141	38.237	ng	98
77) Benzidine	19.35	184	1316832	51.523	ng	99
78) Pyrene	19.52	202	3144771	47.713	ng	100
80) Butylbenzylphthalate	20.42	149	1493951	49.736	ng	96
81) Benzo(a)anthracene	21.27	228	2686839	40.617	ng	99
82) 3,3'-Dichlorobenzidine	21.21	252	628962	24.058	ng	100
83) Chrysene	21.32	228	2602080	41.039	ng	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	2167256	49.297	ng	99
85) Di-n-octyl phthalate	22.07	149	3448493	46.671	ng	100
86) Indeno(1,2,3-cd)pyrene	25.80	276	2951084	40.313	ng	100
88) Benzo(b)fluoranthene	22.85	252	2600941	43.555	ng	99
89) Benzo(k)fluoranthene	22.90	252	2458112	41.346	ng	100
90) Benzo(a)pyrene	23.43	252	2427627	42.913	ng	99
91) Dibenzo(a,h)anthracene	25.82	278	2516933	44.907	ng	99
92) Benzo(g,h,i)perylene	26.50	276	2404187	46.076	ng	99

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



#1

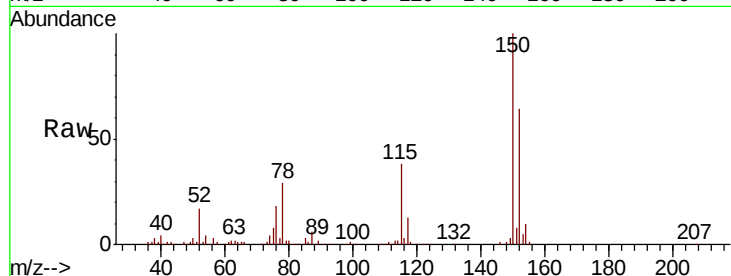
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 781
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.3	190.9
115	59.8	50.8	76.2

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM

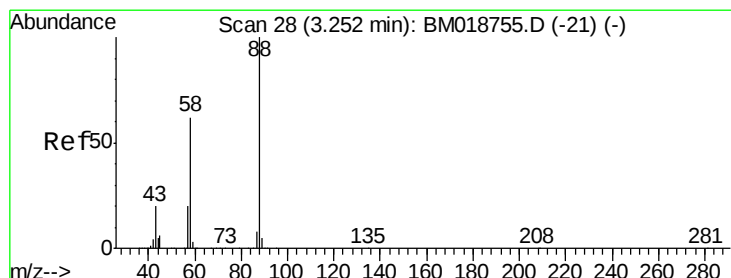
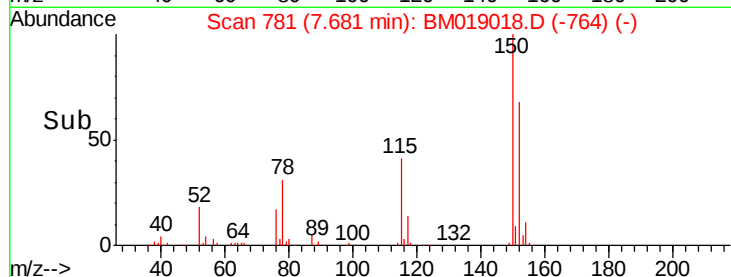
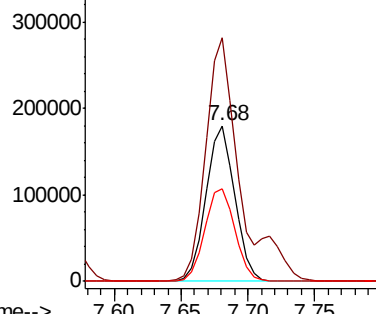


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

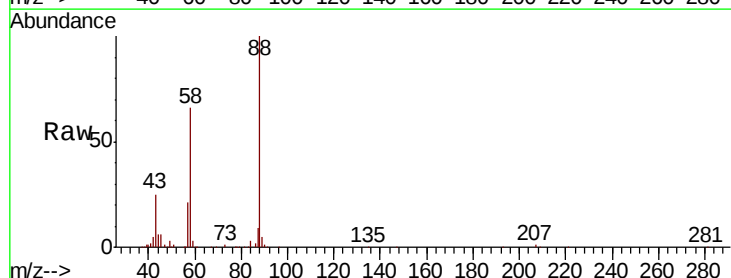
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 31.384 ng
RT: 3.23 min Scan# 25
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.0	49.8	74.6
43	20.3	16.7	25.1

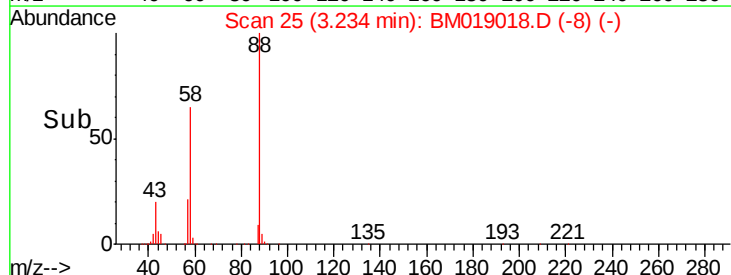
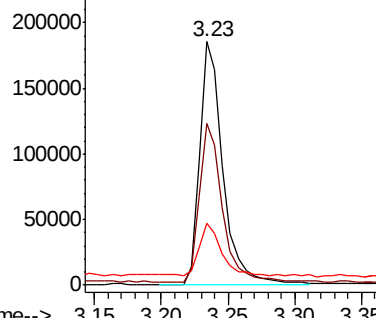


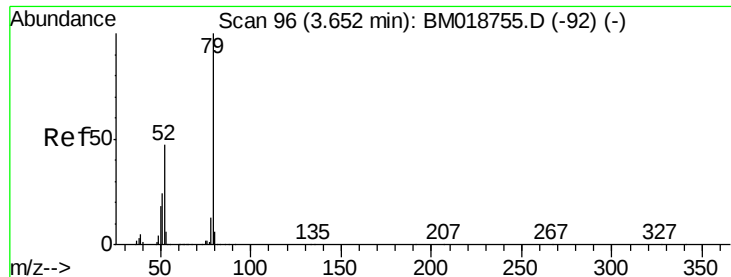
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





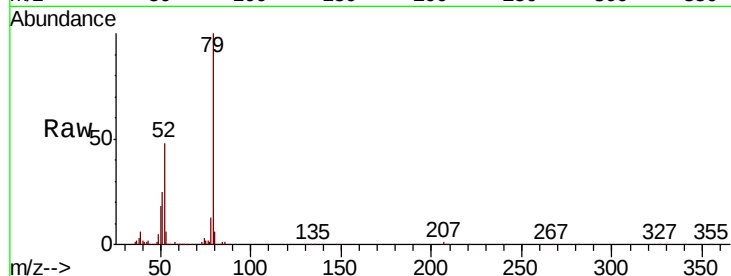
#3
 Pvridine
 Concen: 33.408 ng
 RT: 3.63 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	48.1	37.6	56.4
51	24.6	19.7	29.5

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

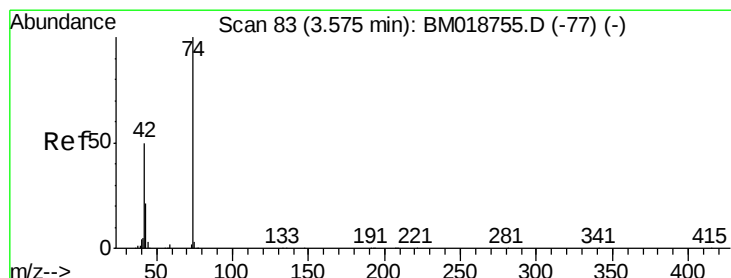
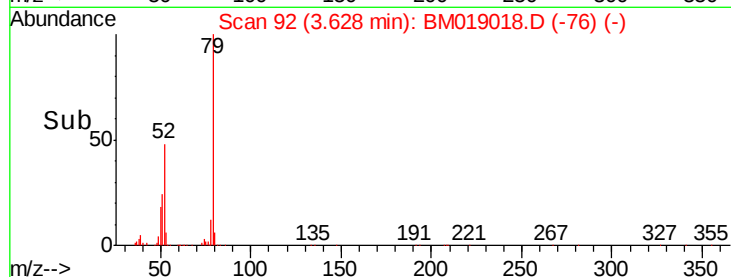
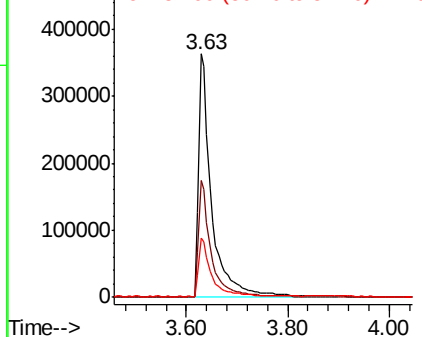


Abundance

Ion 79.00 (78.70 to 79.70): BM018755.D (-92) (-)

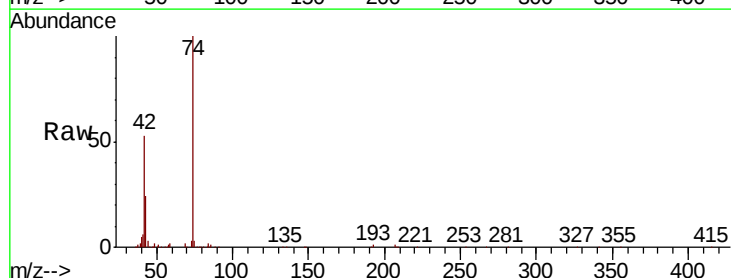
Ion 52.00 (51.70 to 52.70): BM018755.D (-92) (-)

Ion 51.00 (50.70 to 51.70): BM018755.D (-92) (-)



#4
 n-Nitrosodimethylamine
 Concen: 44.681 ng
 RT: 3.55 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	187.4	158.1	237.1
44	5.4	4.9	7.3

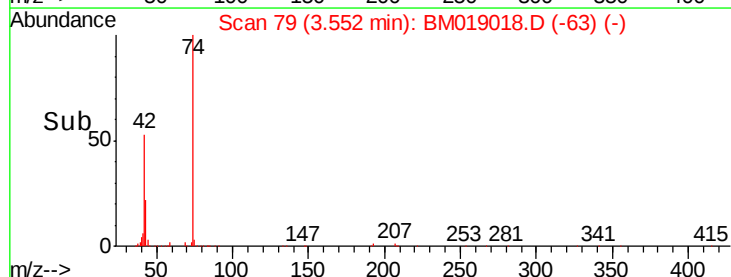
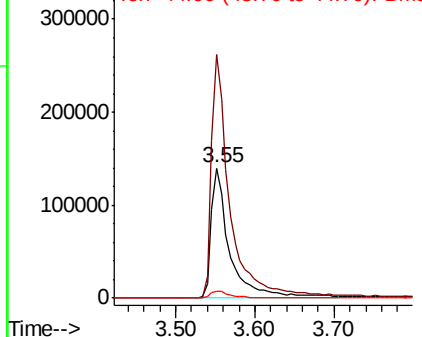


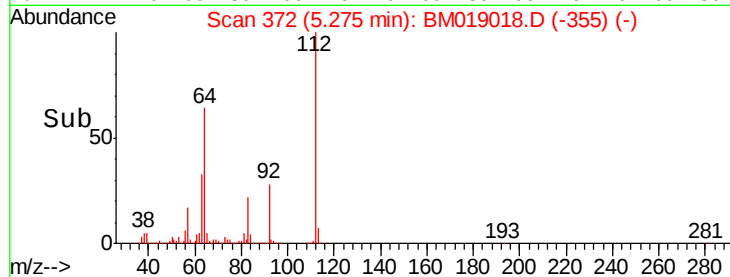
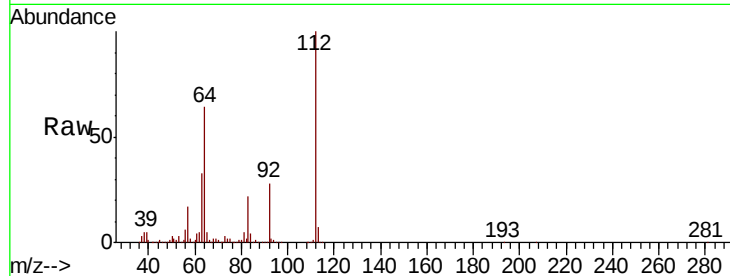
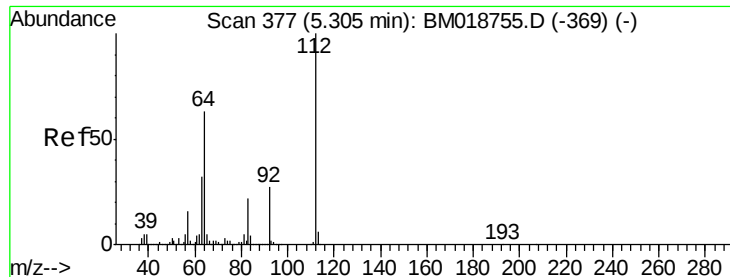
Abundance

Ion 42.00 (41.70 to 42.70): BM018755.D (-77) (-)

Ion 74.00 (73.70 to 74.70): BM018755.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM018755.D (-77) (-)





#5

2-Fluorophenol

Concen: 133.770 ng

RT: 5.28 min Scan# 372

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tot Ion:	112	Resp:	2201563
Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.6	75.8
63	32.5	25.7	38.5

Instrument :

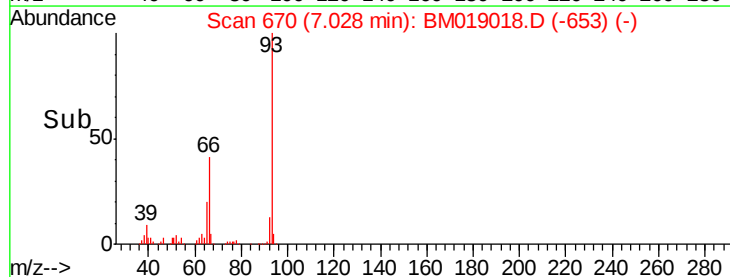
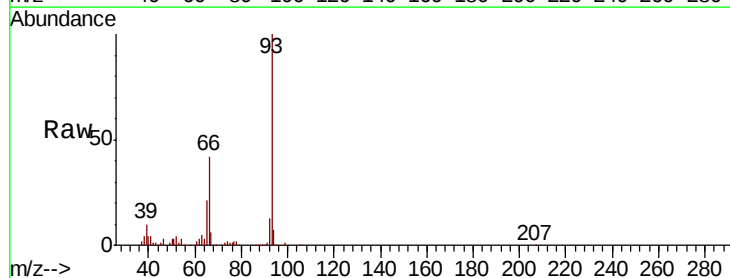
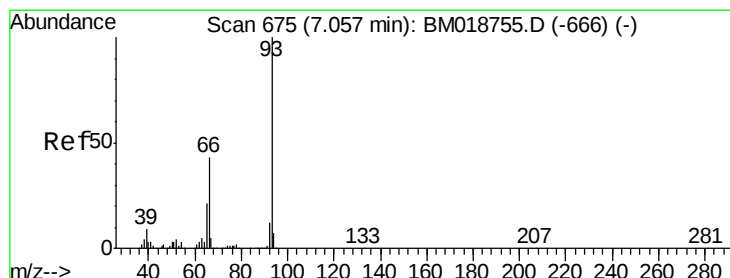
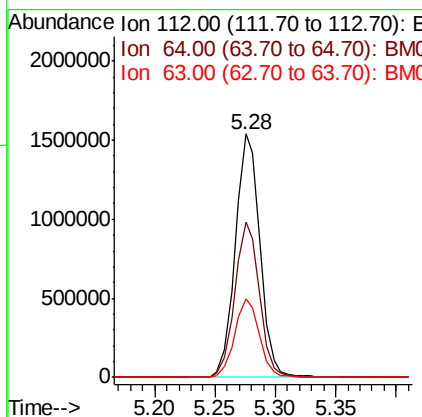
BNA_M

ClientSampleId :

Z-2-4MS

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#6

Aniline

Concen: 14.988 ng

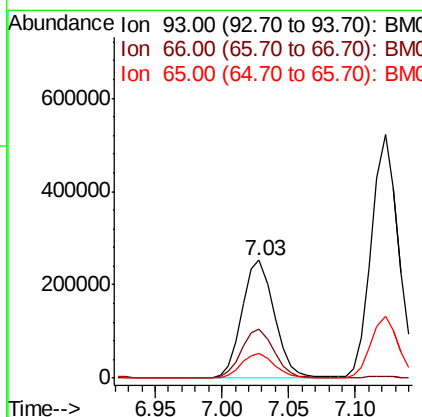
RT: 7.03 min Scan# 670

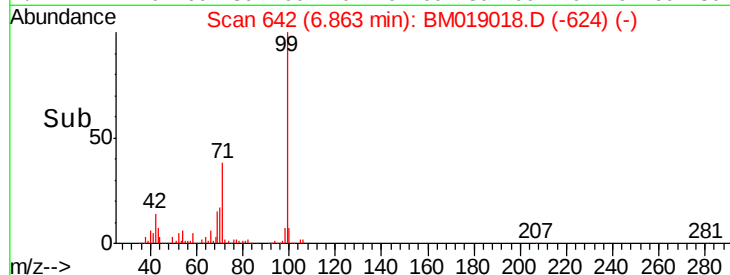
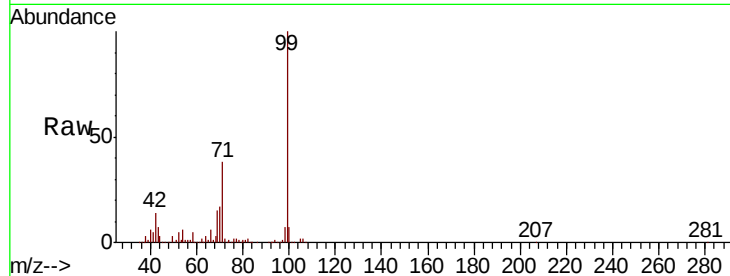
Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	93	Resp:	425775
Ion	Ratio	Lower	Upper
93	100		
66	42.0	34.1	51.1
65	20.5	16.6	24.8





#7

Phenol-d6

Concen: 136.704 ng

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tot Ion: 99 Resp: 3169486

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

71 37.8 31.3 46.9

Instrument :

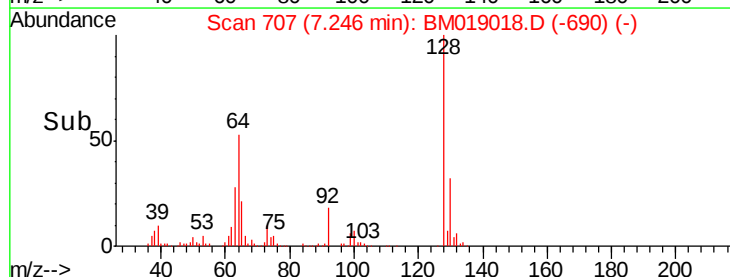
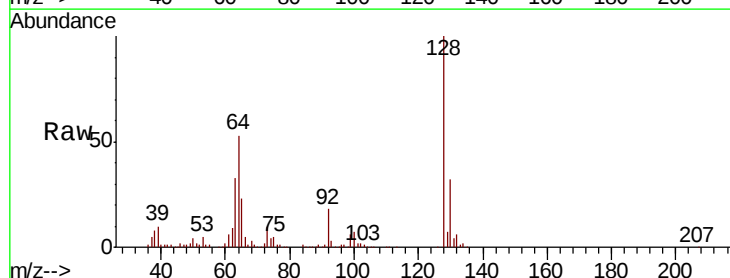
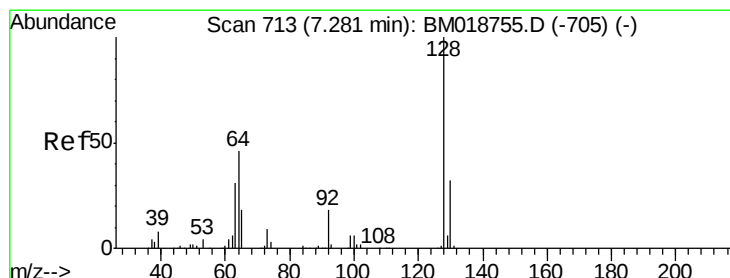
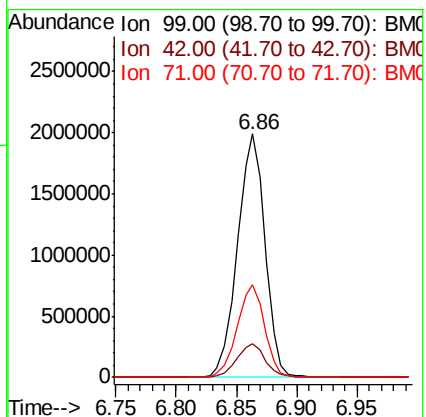
BNA_M

ClientSampled :

Z-2-4MS

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#8

2-Chlorophenol

Concen: 43.068 ng

RT: 7.25 min Scan# 707

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

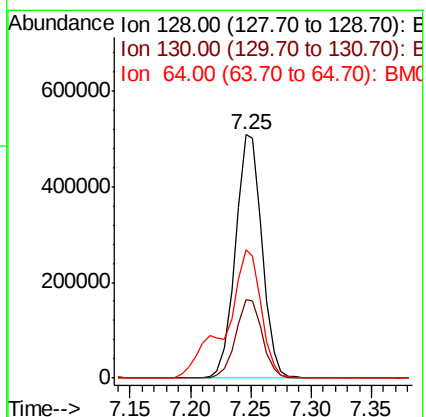
Tgt Ion: 128 Resp: 778202

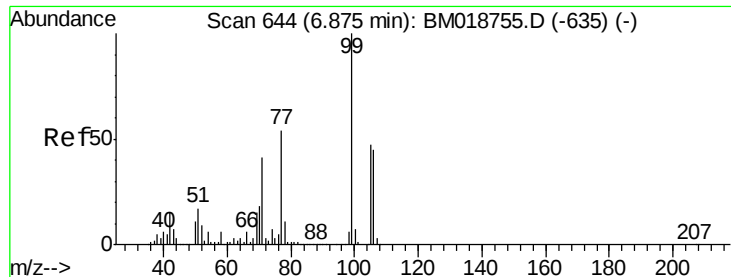
Ion Ratio Lower Upper

128 100

130 32.1 11.7 51.7

64 52.8 31.0 71.0





#9

Benzaldehyde

Concen: 49.570 ng

RT: 6.84 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

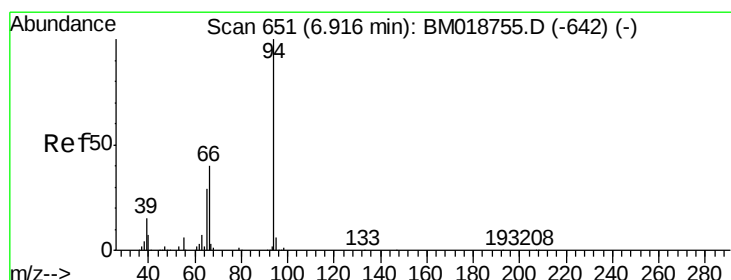
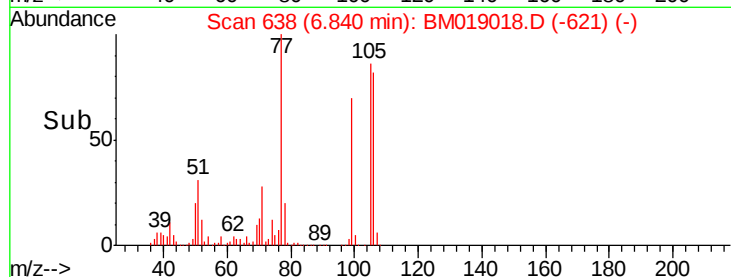
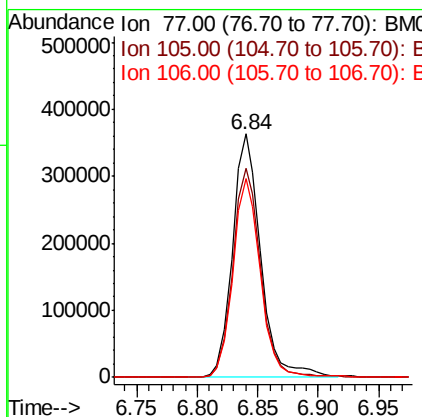
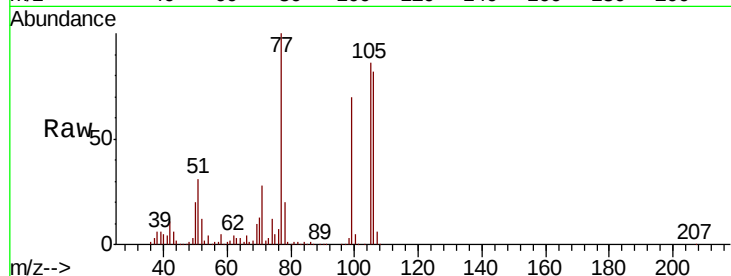
ClientSampled :

Z-2-4MS

Tot Ion:	77	Resp:	590018
Ion Ratio	Lower	Upper	
77	100		
105	86.0	67.3	107.3
106	81.5	62.9	102.9

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#10

Phenol

Concen: 46.803 ng

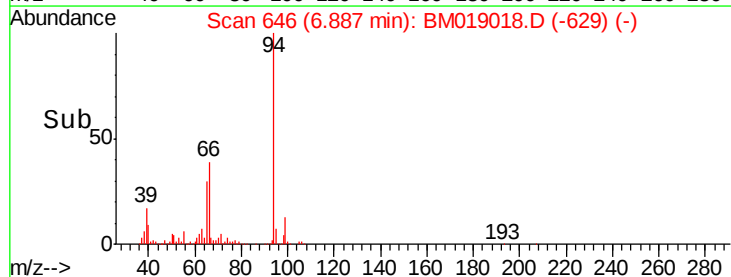
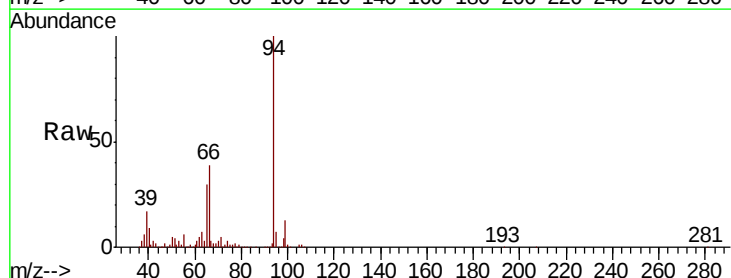
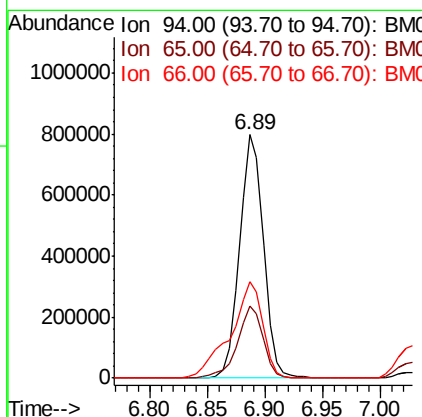
RT: 6.89 min Scan# 646

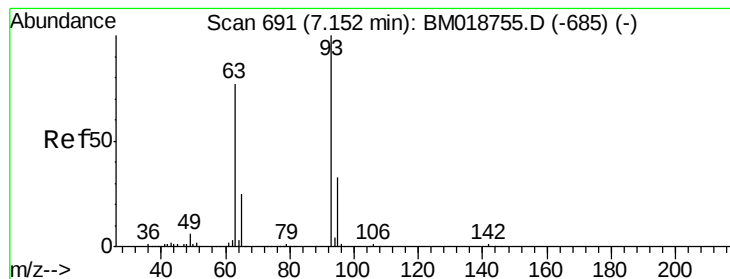
Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	94	Resp:	1141775
Ion Ratio	Lower	Upper	
94	100		
65	29.8	9.6	49.6
66	39.4	20.4	60.4





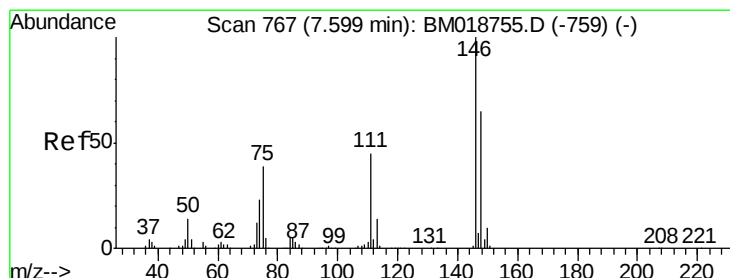
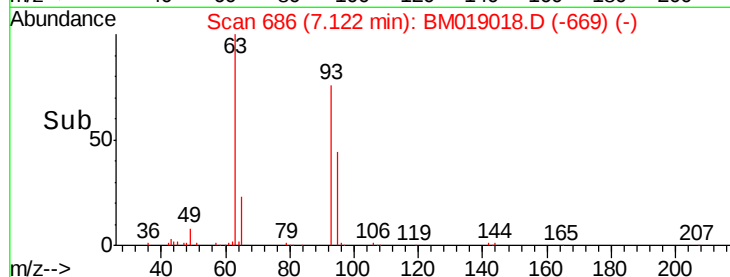
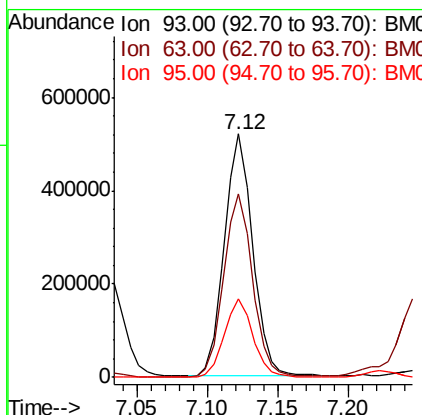
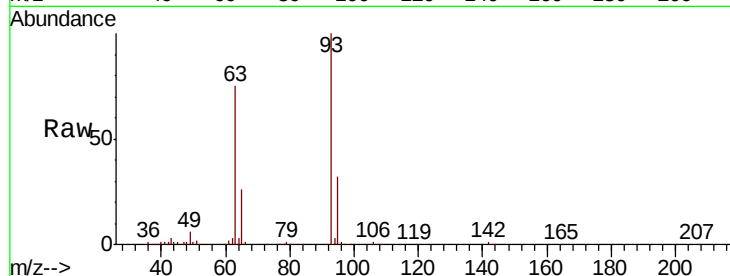
#11
bis(2-Chloroethyl)ether
Concen: 39.325 ng
RT: 7.12 min Scan# 686
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.2	57.0	97.0
95	32.2	12.4	52.4

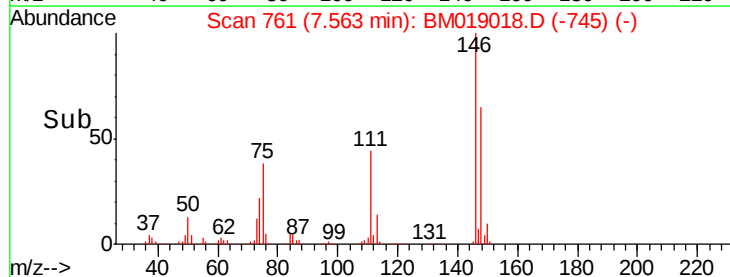
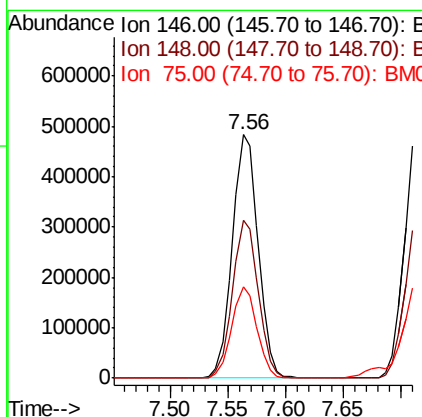
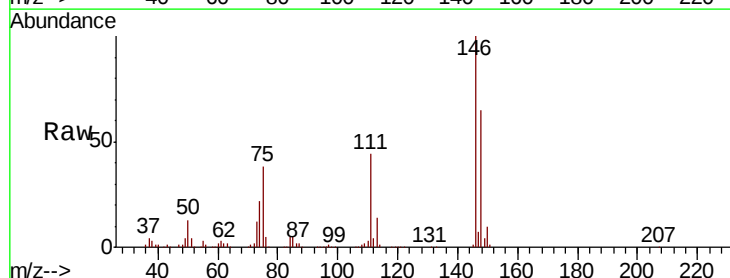
Manual Integrations
APPROVED

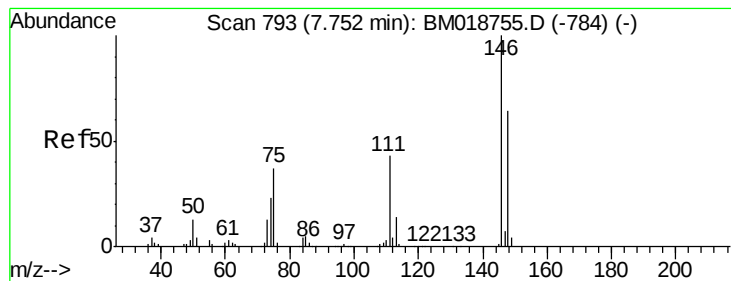
Sohil
3/5/2019 5:23:51 PM



#12
1,3-Dichlorobenzene
Concen: 36.839 ng
RT: 7.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.7	77.5
75	37.6	31.3	46.9





#13

1,4-Dichlorobenzene

Concen: 37.472 ng

RT: 7.72 min Scan# 787

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

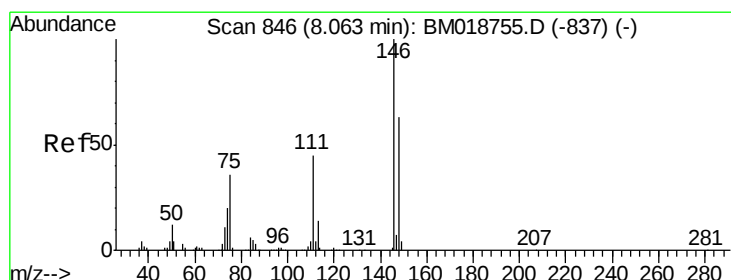
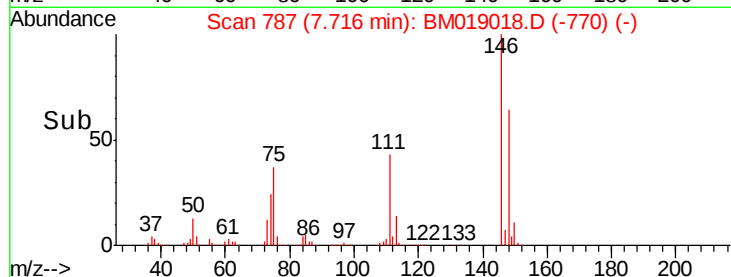
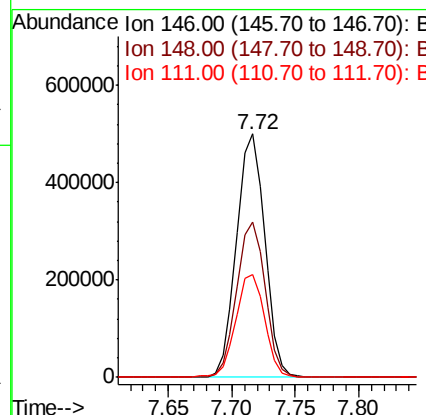
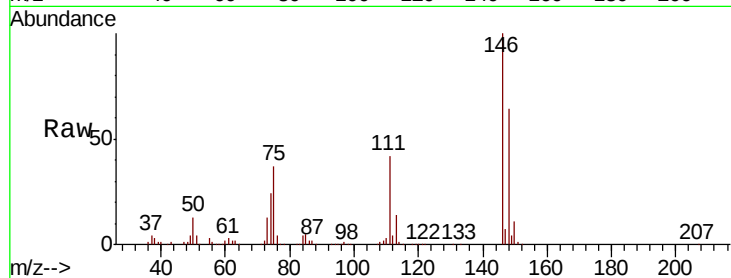
ClientSampled :

Z-2-4MS

Tot Ion:	146	Resp:	775102
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.4	77.2
111	42.4	34.6	52.0

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#14

1,2-Dichlorobenzene

Concen: 37.968 ng

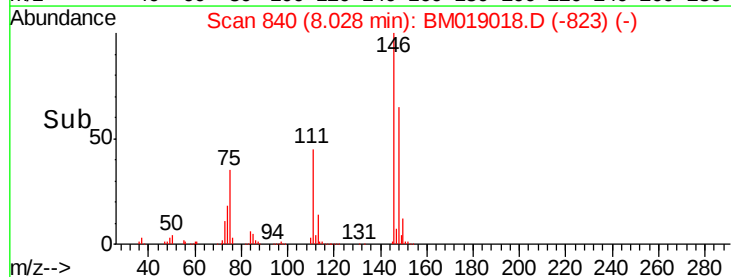
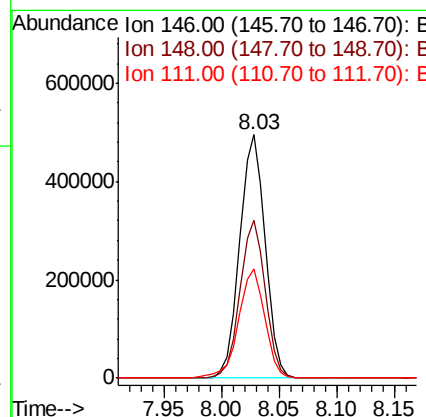
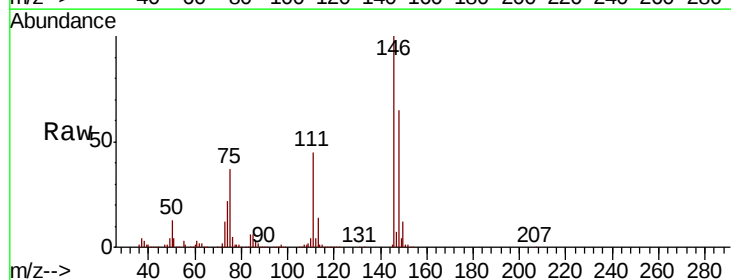
RT: 8.03 min Scan# 840

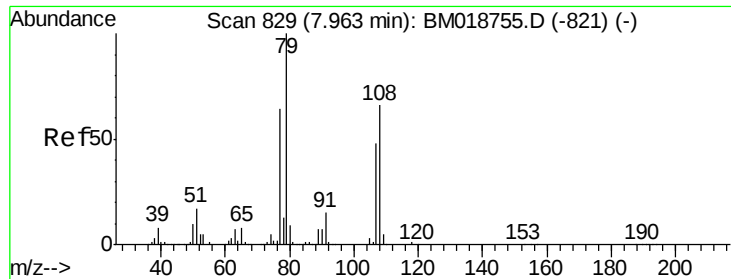
Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	146	Resp:	754371
Ion Ratio	Lower	Upper	
146	100		
148	64.9	50.7	76.1
111	44.6	35.9	53.9





#15

Benzyl Alcohol

Concen: 41.220 ng

RT: 7.93 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

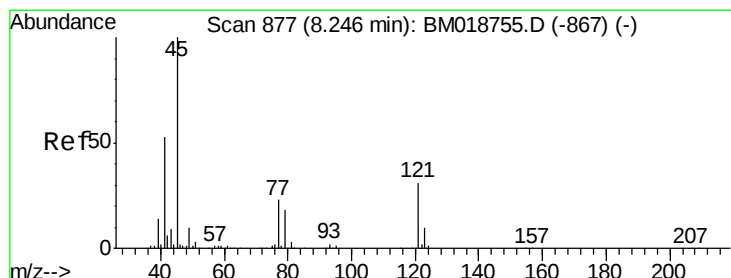
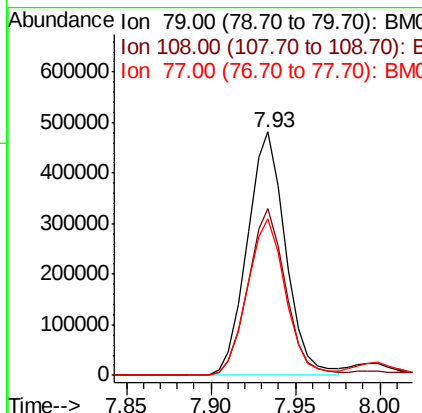
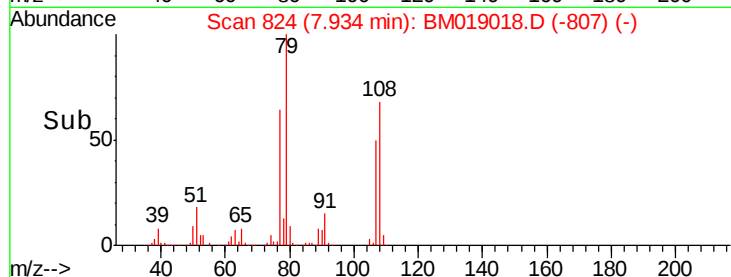
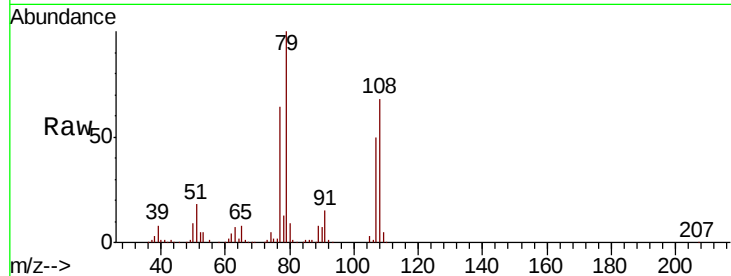
ClientSampled :

Z-2-4MS

Tot Ion:	79	Resp:	759381
Ion	Ratio	Lower	Upper
79	100		
108	68.3	52.7	79.1
77	64.2	51.0	76.4

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.118 ng

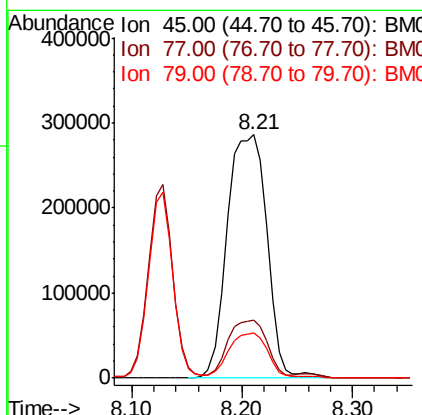
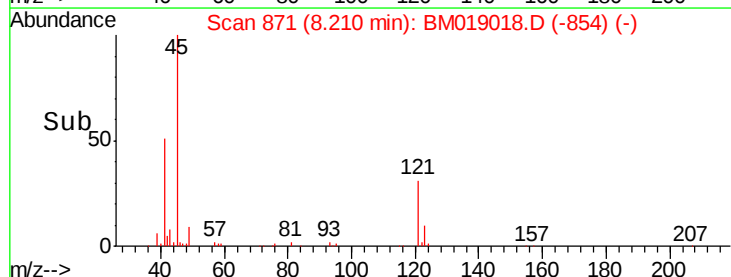
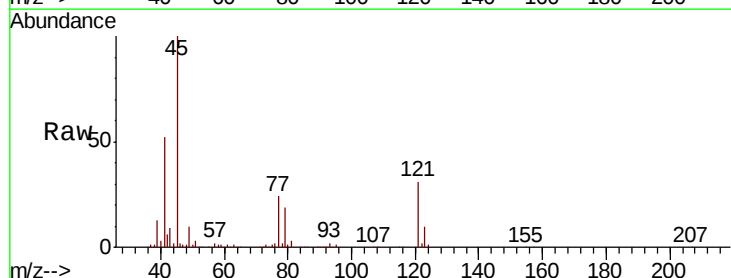
RT: 8.21 min Scan# 871

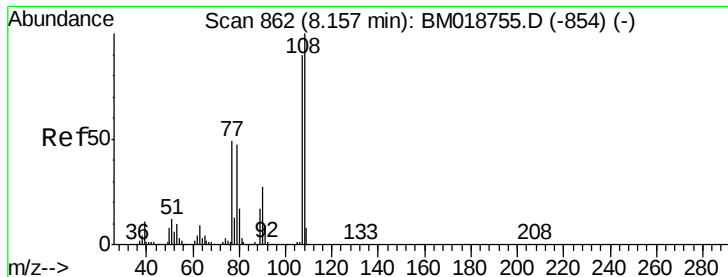
Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	45	Resp:	722567
Ion	Ratio	Lower	Upper
45	100		
77	23.8	5.0	45.0
79	18.6	0.0	39.3





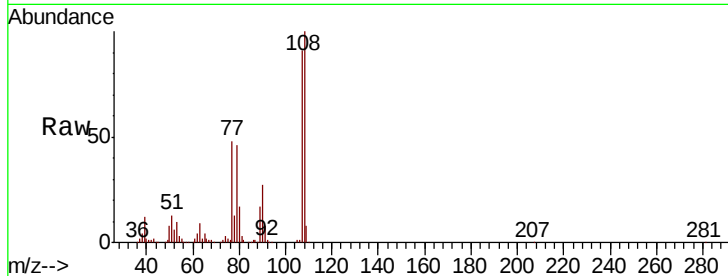
#17
2-Methylphenol
Concen: 43.463 ng
RT: 8.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

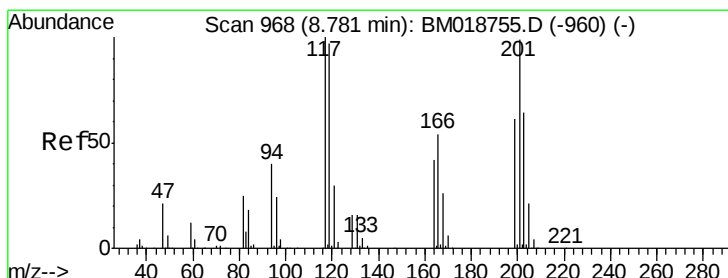
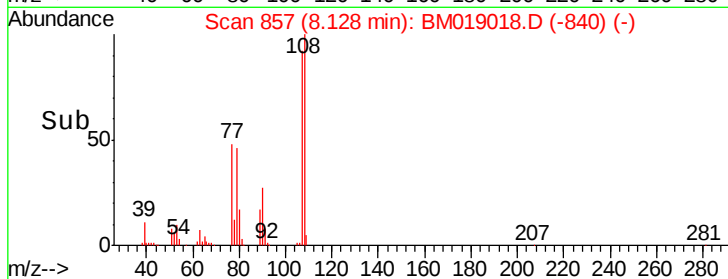
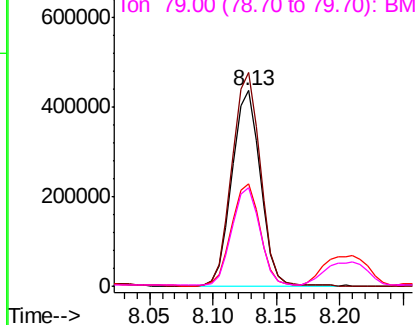
Tot Ion:	107	Resp:	674840
Ion Ratio	Lower	Upper	
107	100		
108	109.3	88.8	133.2
77	52.4	44.0	66.0
79	50.2	42.4	63.6

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



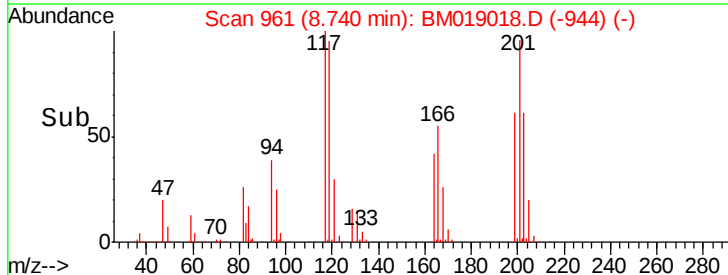
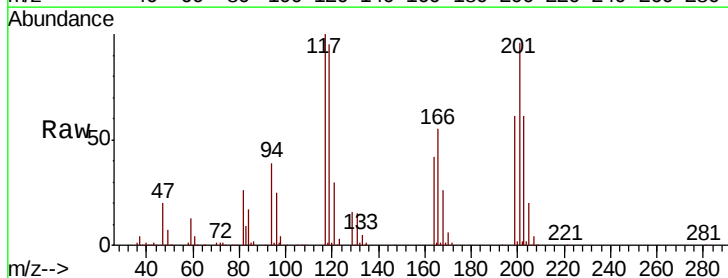
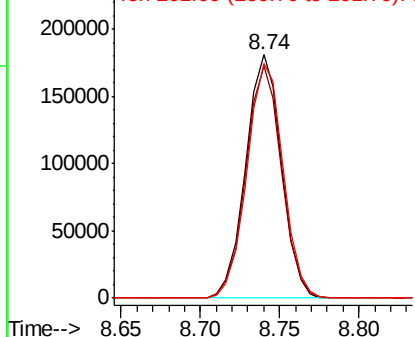
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

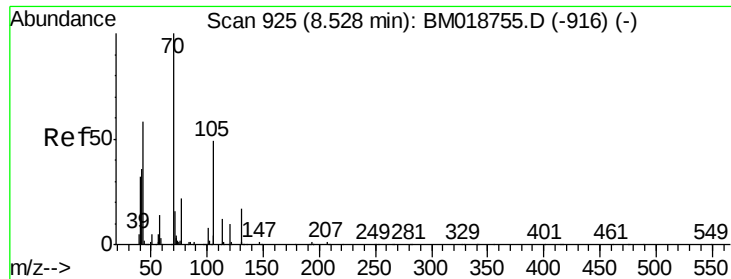


#18
Hexachloroethane
Concen: 37.535 ng
RT: 8.74 min Scan# 961
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion:	117	Resp:	283419
Ion Ratio	Lower	Upper	
117	100		
119	95.2	77.9	116.9
201	96.4	79.2	118.8

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





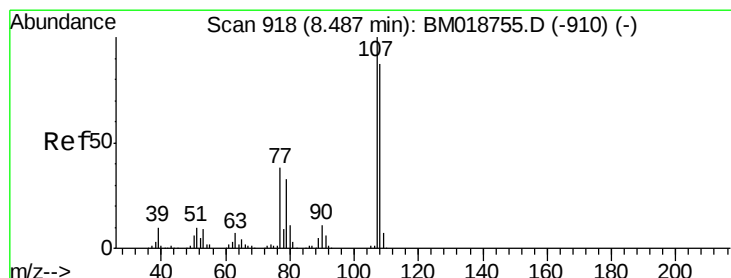
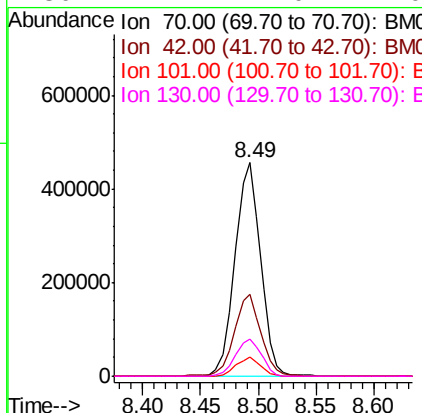
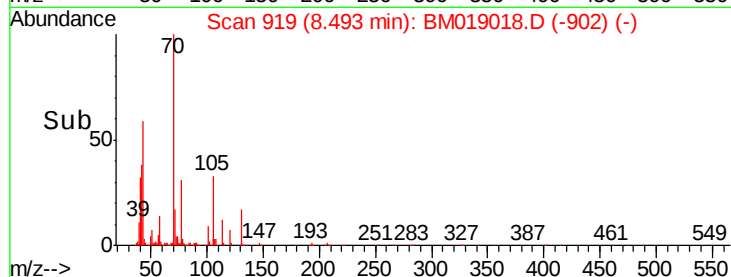
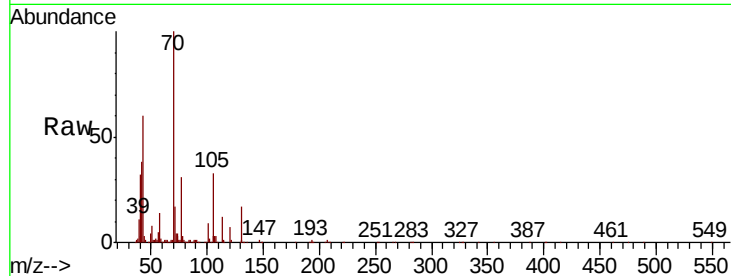
#19
n-Nitroso-di-n-propylamine
Concen: 38.980 ng
RT: 8.49 min Scan# 919
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	38.3	29.4	44.0	
101	8.8	6.7	10.1	
130	17.4	14.0	21.0	

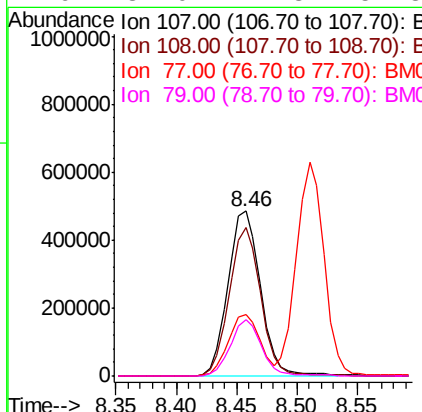
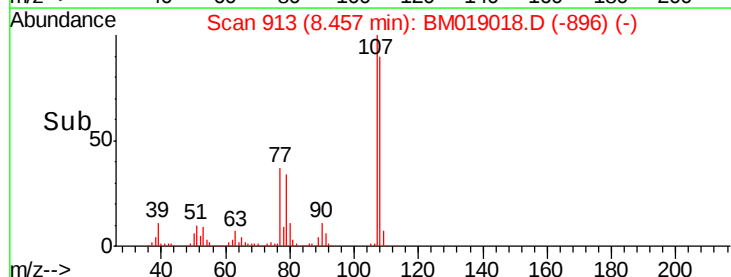
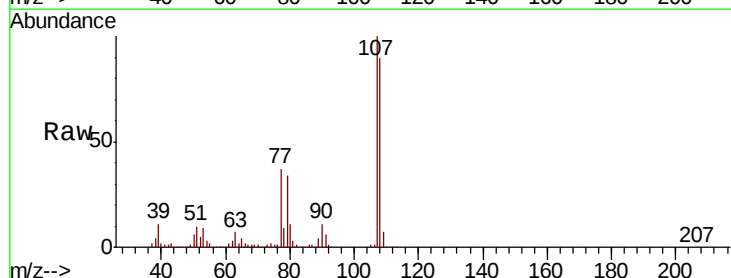
Manual Integrations
APPROVED

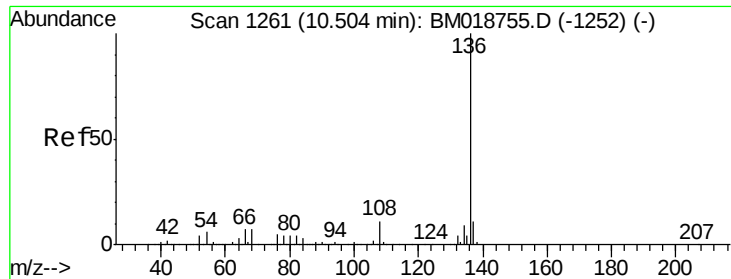
Sohil
3/5/2019 5:23:51 PM



#20
3+4-Methylphenols
Concen: 42.573 ng
RT: 8.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.8	67.3	107.3	
77	37.5	18.0	58.0	
79	34.0	12.8	52.8	





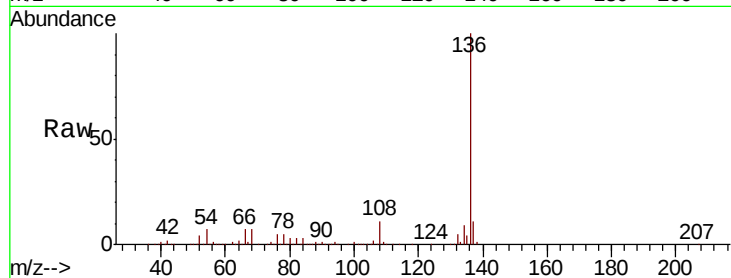
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.47 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9	8.8	13.2		
54	6.7	5.0	7.6		
68	7.2	5.5	8.3		

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



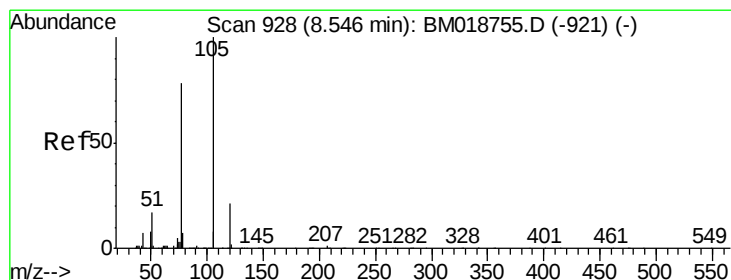
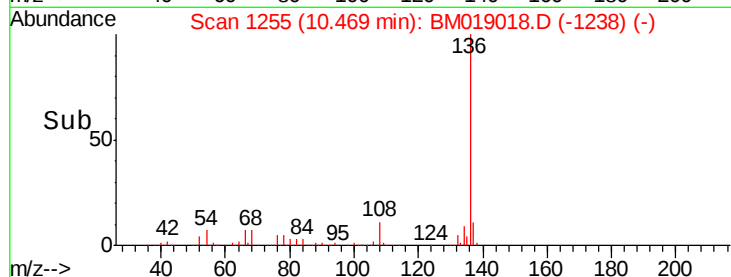
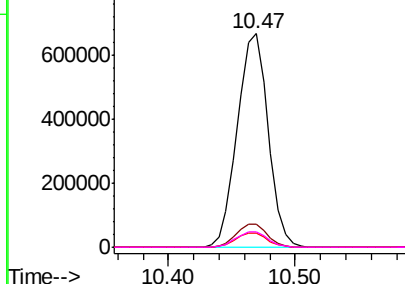
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22
Acetophenone
Concen: 37.273 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	1.5	1.1	1.7		
51	20.2	15.5	23.3		
120	20.9	17.0	25.4		

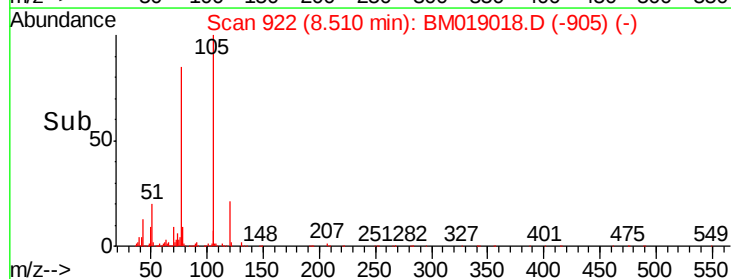
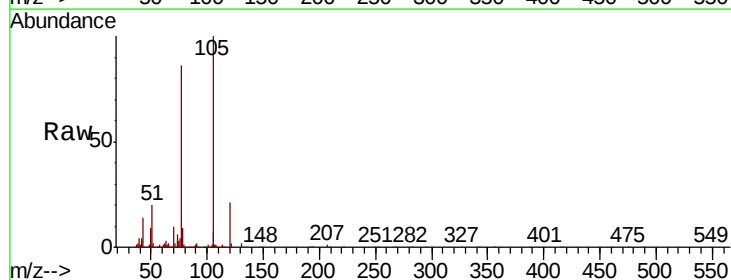
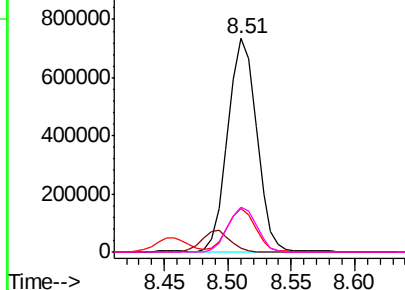
Abundance

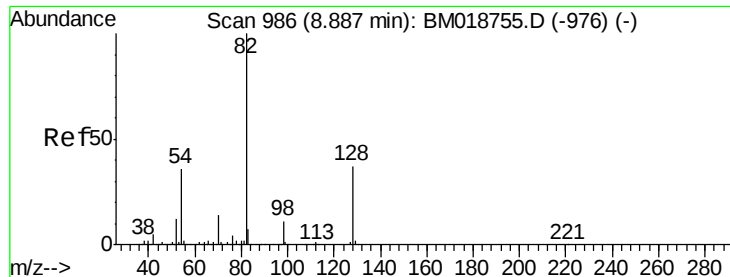
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





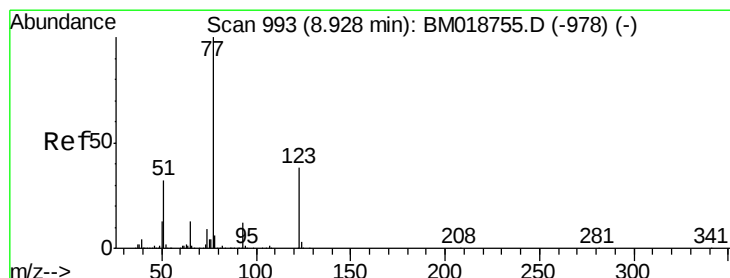
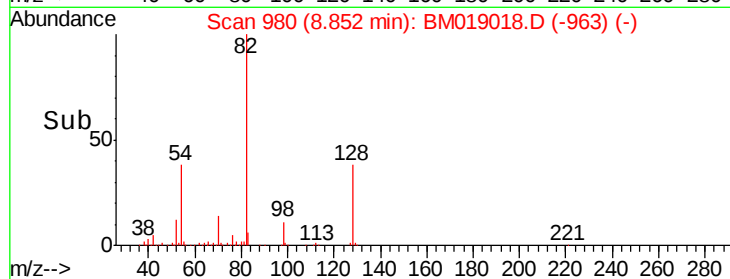
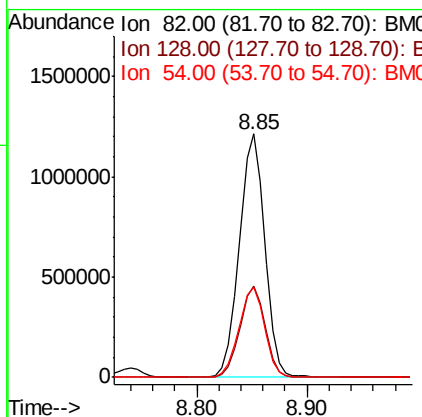
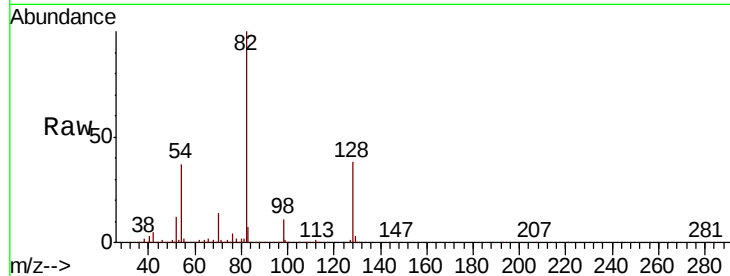
#23
 Nitrobenzene-d5
 Concen: 80.956 ng
 RT: 8.85 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Tot Ion	82	Resp	1973945
Ion Ratio	100	Lower	Upper
82	100		
128	37.5	29.9	44.9
54	37.0	29.1	43.7

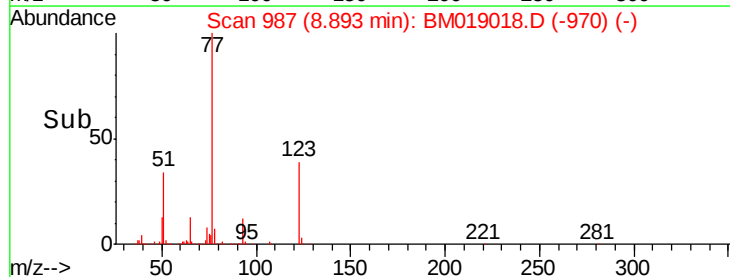
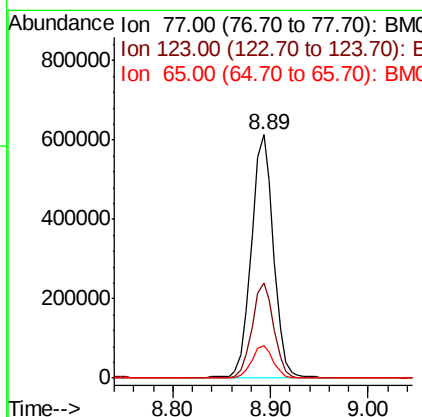
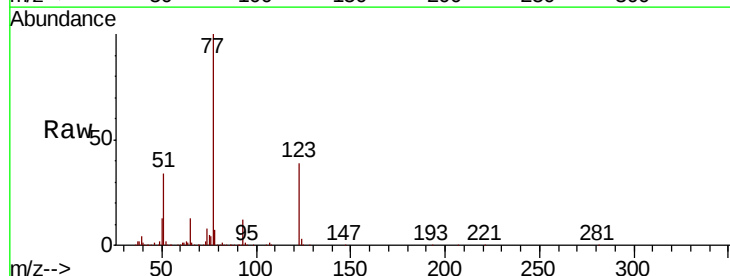
Manual Integrations
 APPROVED

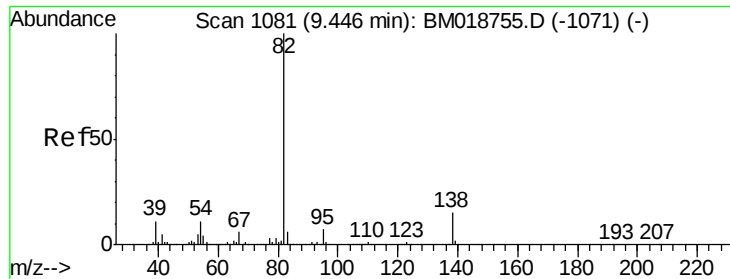
Sohil
 3/5/2019 5:23:51 PM



#24
 Nitrobenzene
 Concen: 38.766 ng
 RT: 8.89 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	77	Resp	981143
Ion Ratio	100	Lower	Upper
77	100		
123	39.2	30.7	46.1
65	13.1	10.5	15.7





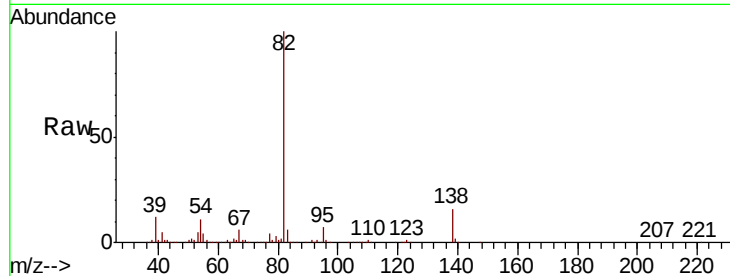
#25
Isophorone
Concen: 44.547 ng
RT: 9.41 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

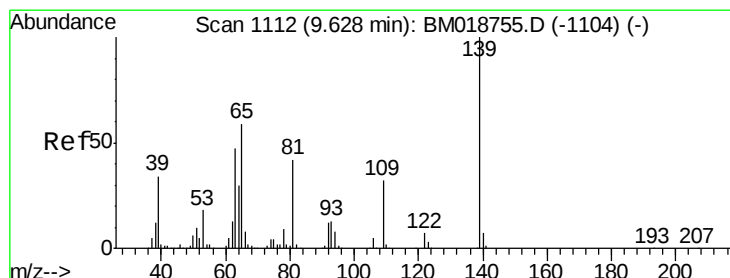
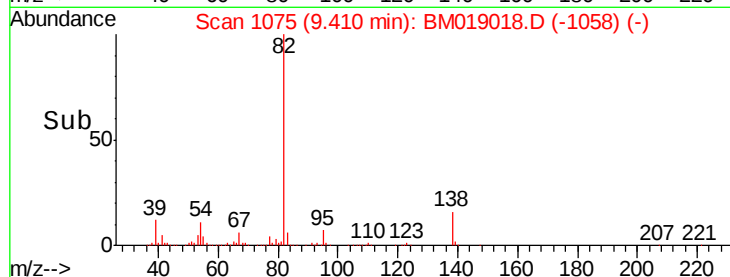
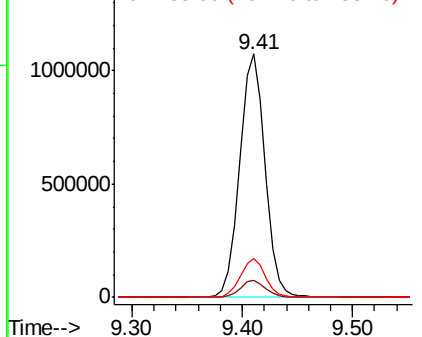
Tot Ion	82	Resp	1733140
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.7	8.5
138	15.9	12.3	18.5

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



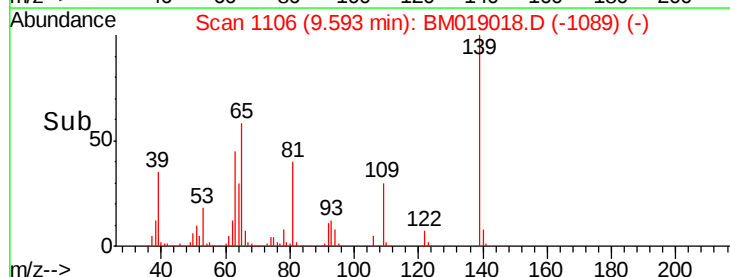
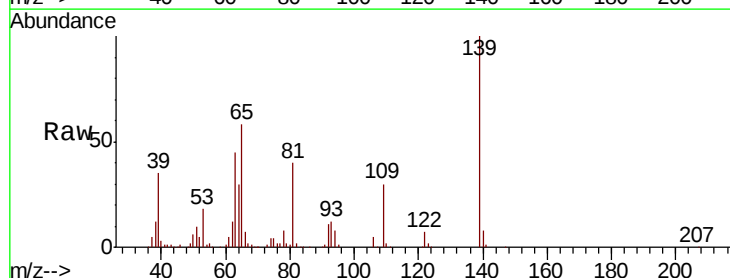
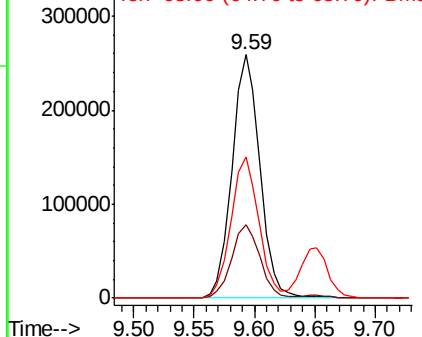
Abundance Ion 82.00 (81.70 to 82.70): BM019018.D (-1075) (-)

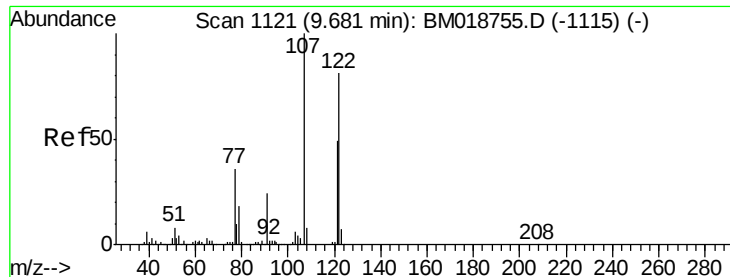


#26
2-Nitrophenol
Concen: 41.419 ng
RT: 9.59 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	139	Resp	417472
Ion Ratio	Lower	Upper	
139	100		
109	30.2	25.2	37.8
65	58.1	47.0	70.4

Abundance Ion 139.00 (138.70 to 139.70): BM019018.D (-1089) (-)





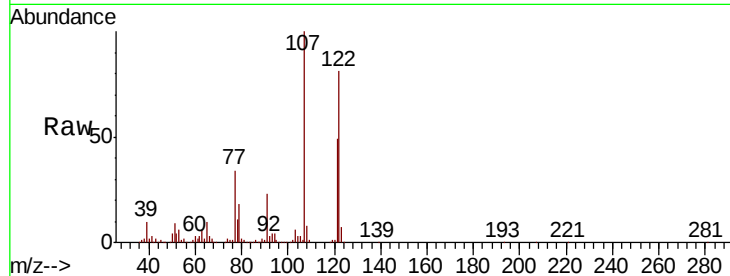
#27
 2,4-Dimethylphenol
 Concen: 48.122 ng
 RT: 9.65 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.8	97.6	146.4
121	60.5	47.9	71.9

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

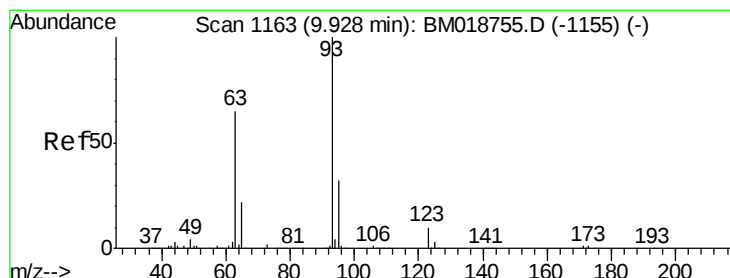
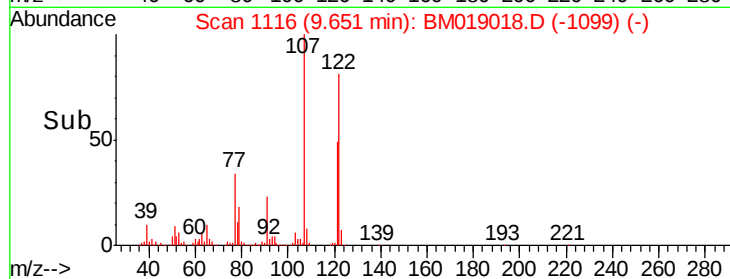
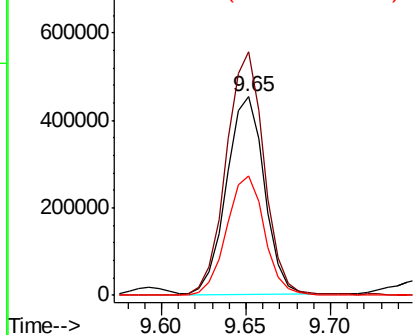


Abundance

Ion 122.00 (121.70 to 122.70): E

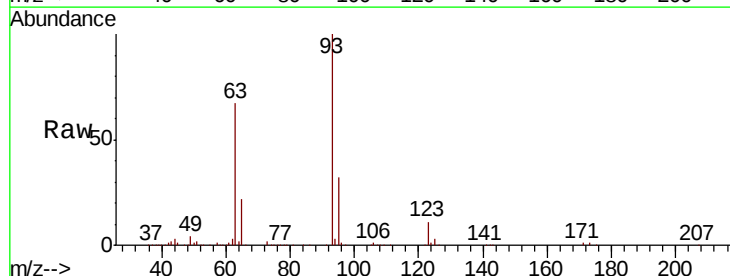
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.138 ng
 RT: 9.89 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.6	38.4
123	10.7	8.2	12.4

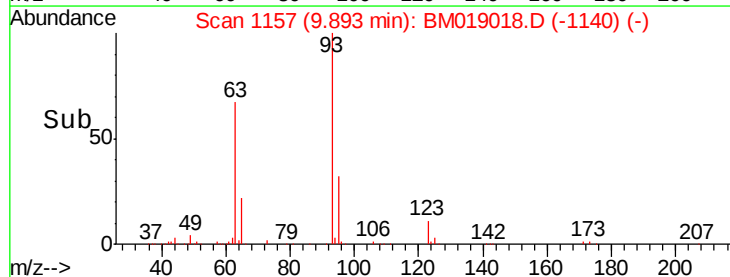
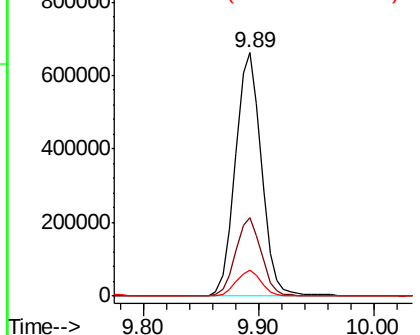


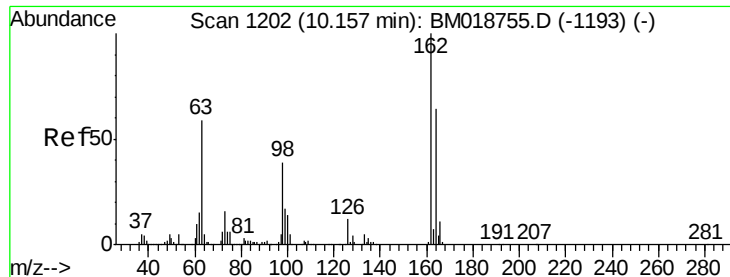
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





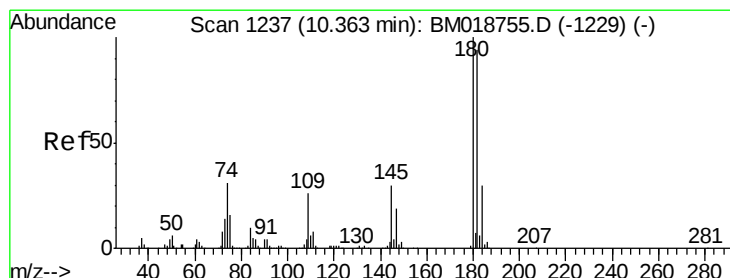
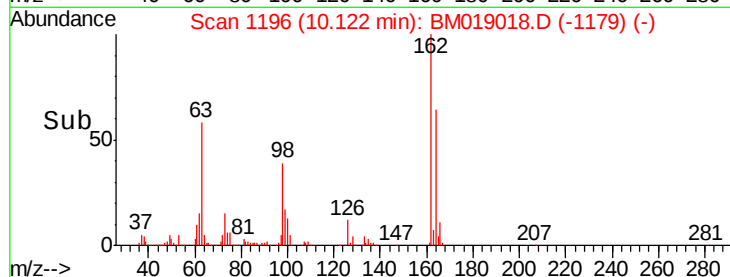
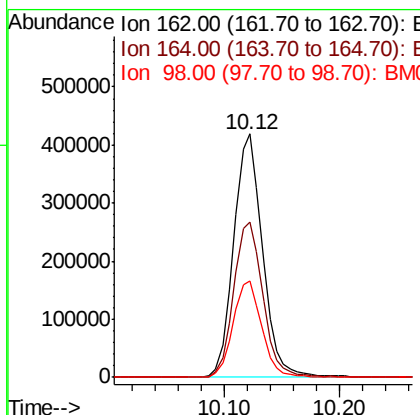
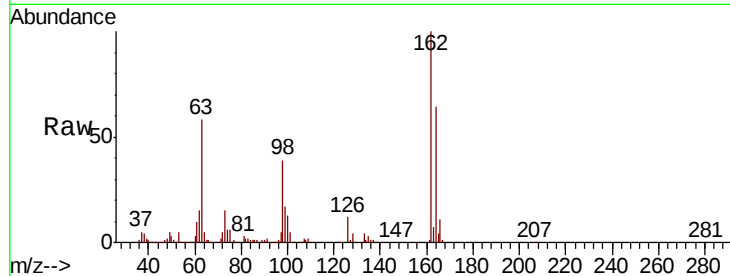
#29
2,4-Dichlorophenol
Concen: 42.900 ng
RT: 10.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion:	162	Resp:	725154
Ion Ratio	Lower	Upper	
162	100		
164	63.6	44.1	84.1
98	39.3	19.4	59.4

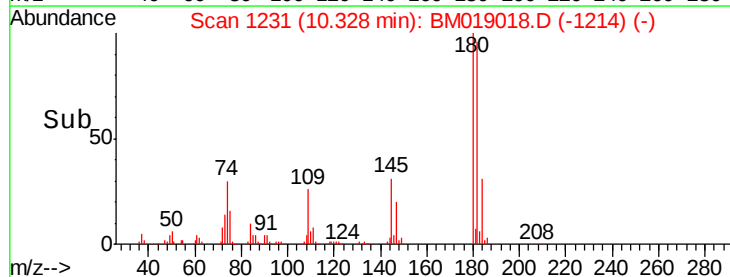
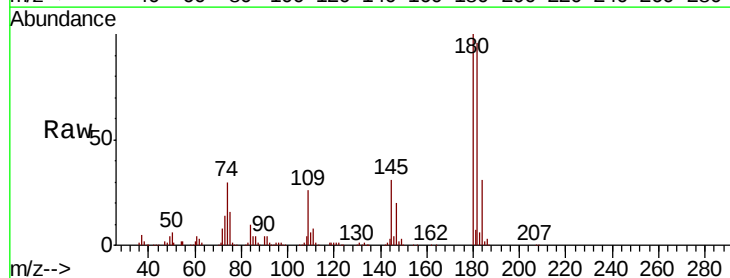
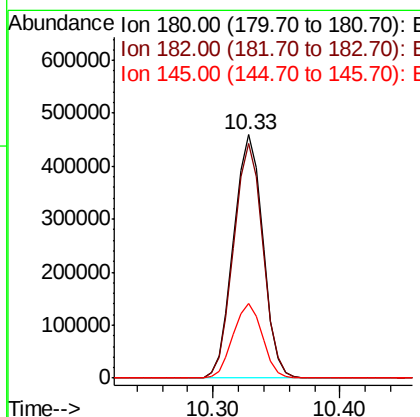
Manual Integrations
APPROVED

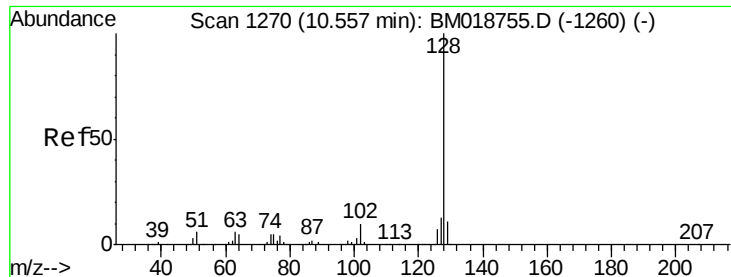
Sohil
3/5/2019 5:23:51 PM



#30
1,2,4-Trichlorobenzene
Concen: 37.849 ng
RT: 10.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion:	180	Resp:	738864
Ion Ratio	Lower	Upper	
180	100		
182	96.3	75.0	112.6
145	30.6	24.1	36.1





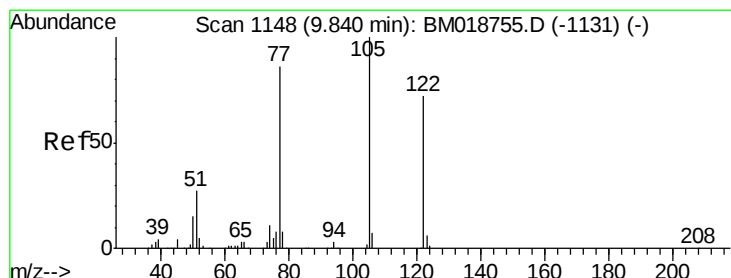
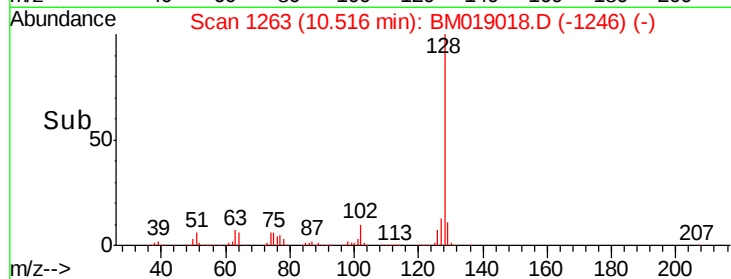
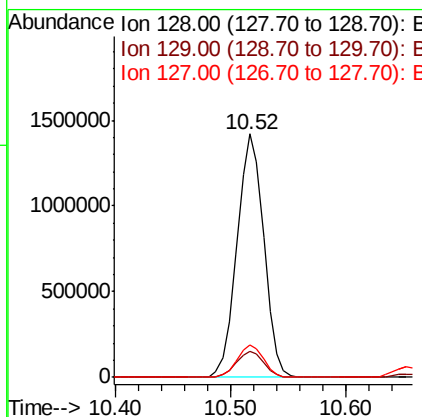
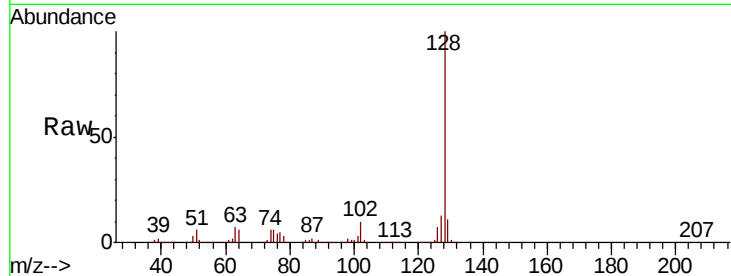
#31
Naphthalene
Concen: 41.463 ng
RT: 10.52 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	13.2	10.7	16.1

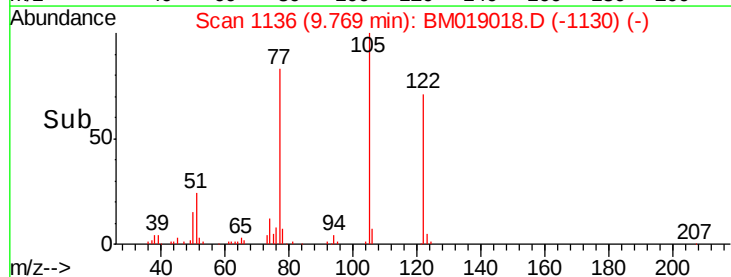
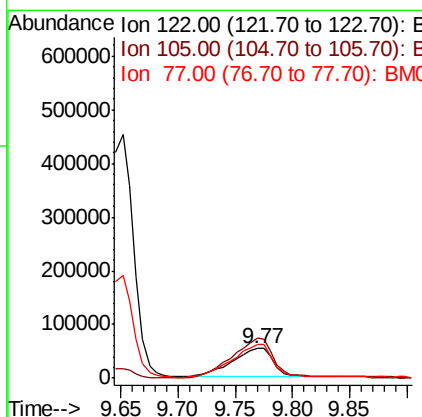
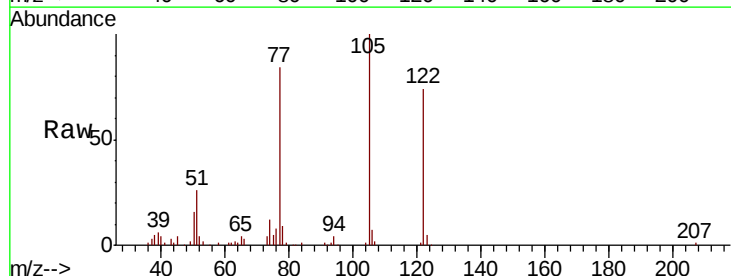
Manual Integrations
APPROVED

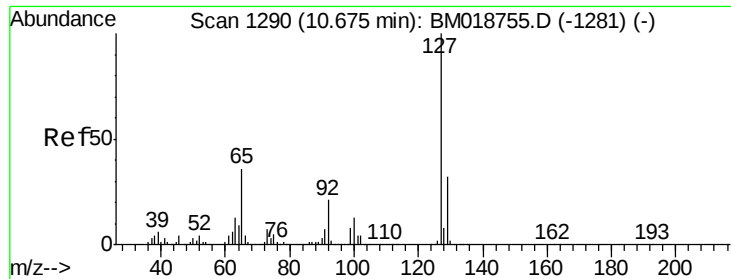
Sohil
3/5/2019 5:23:51 PM



#32
Benzoic acid
Concen: 10.450 ng m
RT: 9.77 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	134.9	117.5	157.5
77	113.1	98.5	138.5





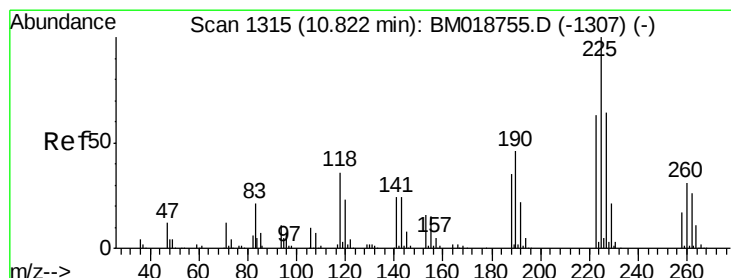
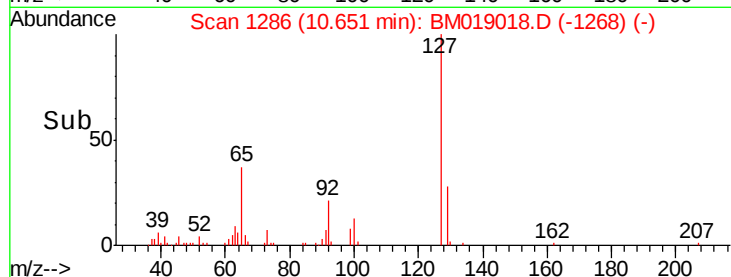
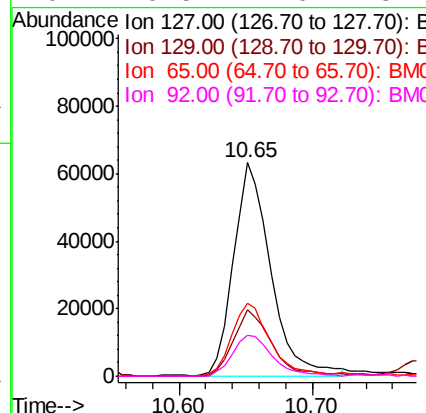
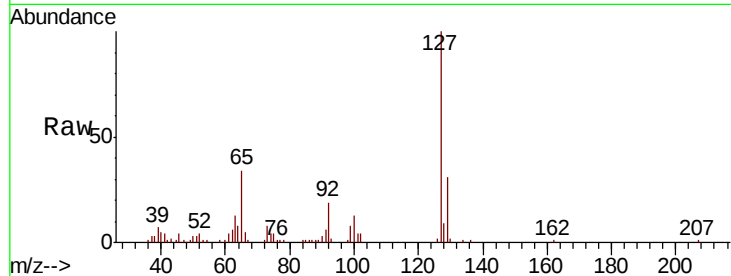
#33
4-Chloroaniline
Concen: 5.026 ng
RT: 10.65 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.5	25.7	38.5	
65	34.3	28.7	43.1	
92	19.5	17.0	25.4	

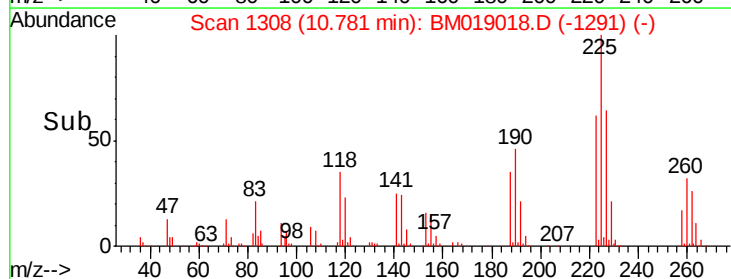
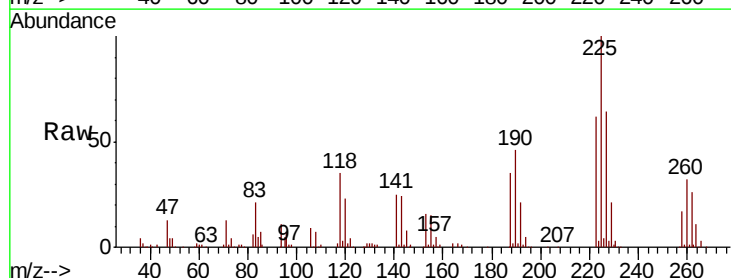
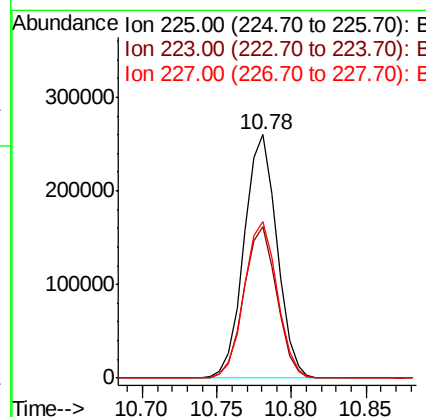
Manual Integrations
APPROVED

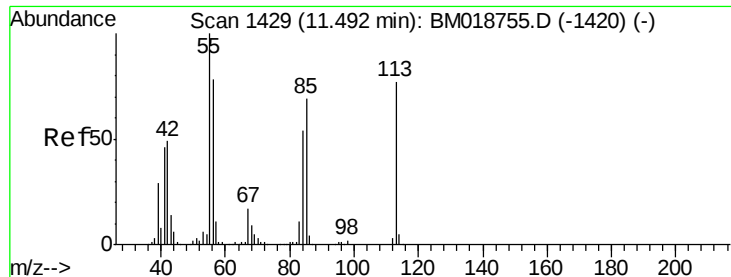
Sohil
3/5/2019 5:23:51 PM



#34
Hexachlorobutadiene
Concen: 34.964 ng
RT: 10.78 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	50.1	75.1	
227	64.3	51.4	77.0	





#35

Caprolactam

Concen: 32.301 ng/mL

RT: 11.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

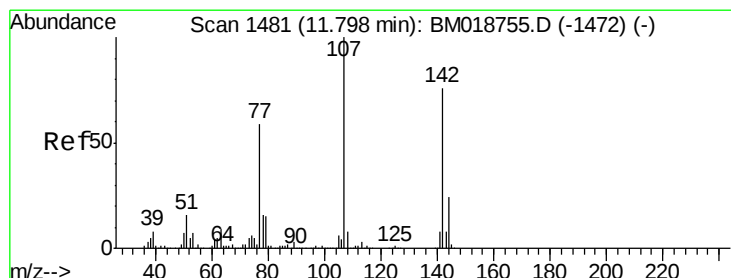
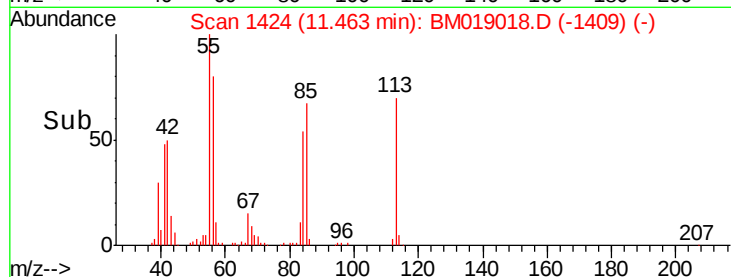
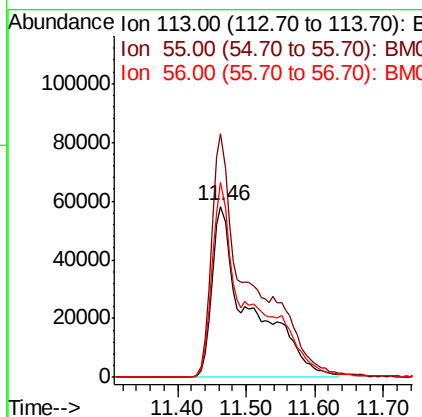
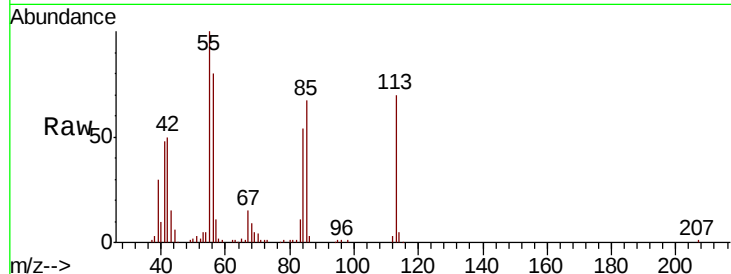
ClientSampleId :

Z-2-4MS

Tot Ion:	113	Resp:	222831
Ion Ratio	Lower	Upper	
113	100		
55	142.3	110.7	150.7
56	113.6	82.4	122.4

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#36

4-Chloro-3-methylphenol

Concen: 40.829 ng/mL

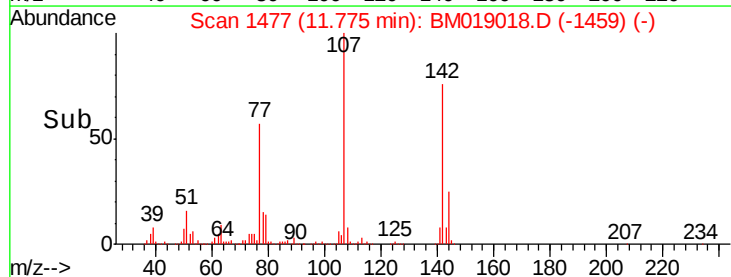
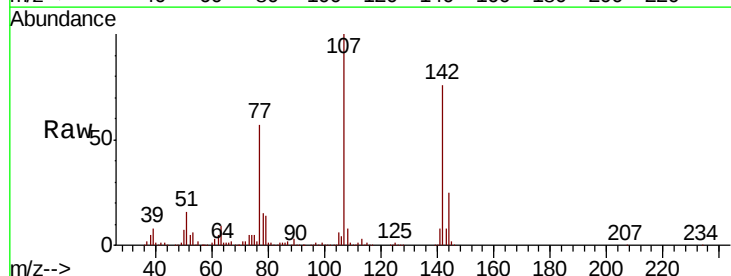
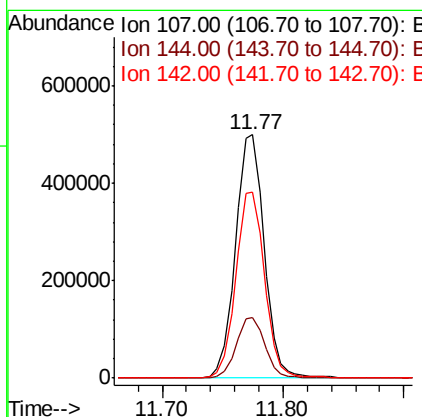
RT: 11.77 min Scan# 1477

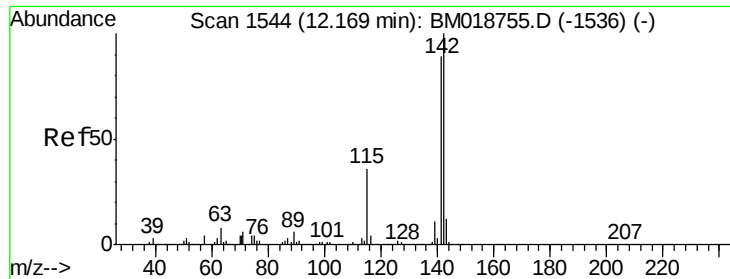
Delta R.T. 0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	107	Resp:	832107
Ion Ratio	Lower	Upper	
107	100		
144	24.8	19.3	28.9
142	76.2	60.5	90.7





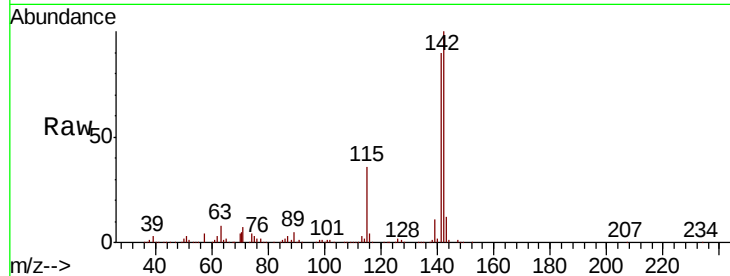
#37
2-Methylnaphthalene
Concen: 43.301 ng
RT: 12.13 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.2	106.8
115	36.1	29.1	43.7

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM

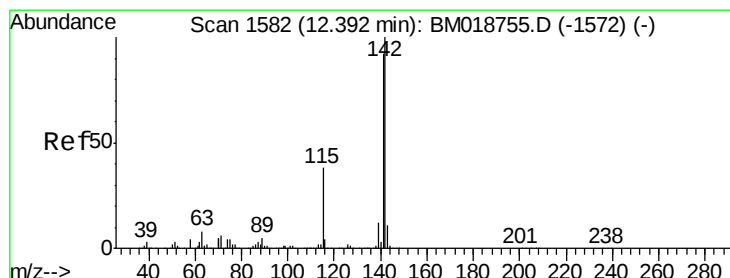
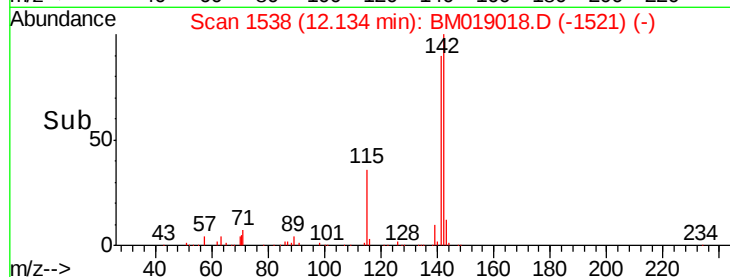
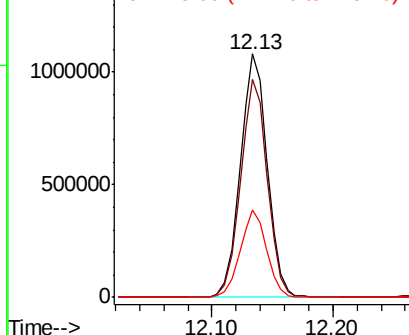


Abundance

Ion 142.00 (141.70 to 142.70): E

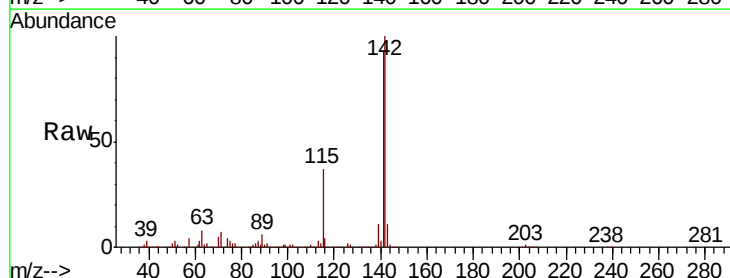
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 41.937 ng
RT: 12.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.9	110.9
116	3.7	3.0	4.4

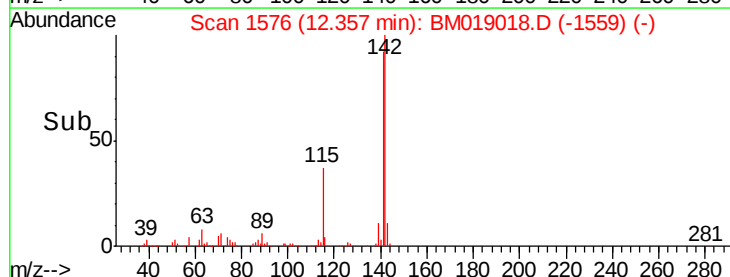
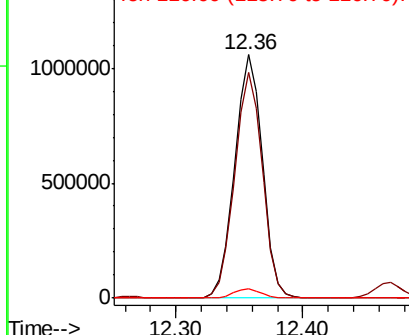


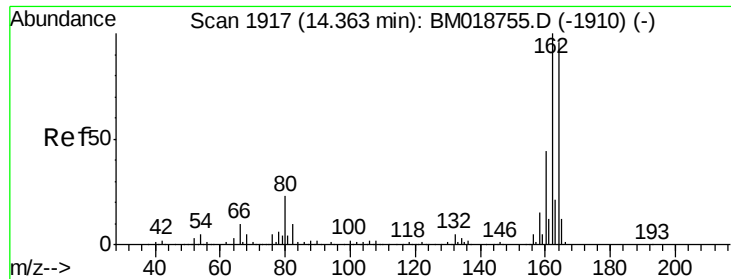
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





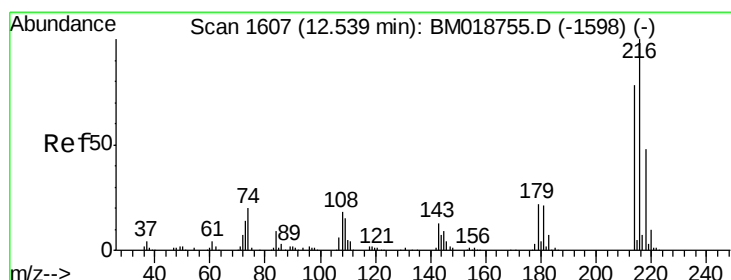
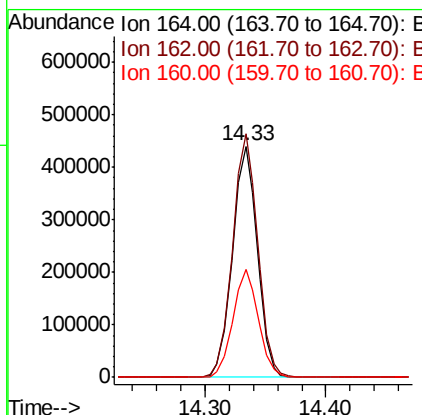
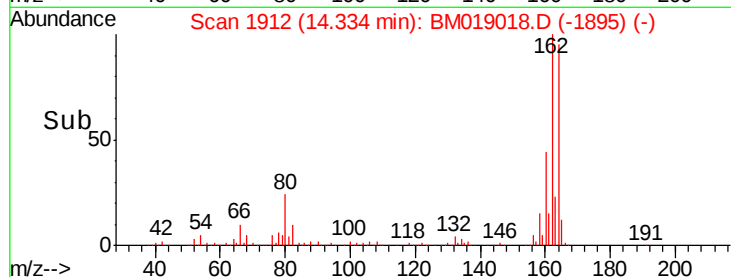
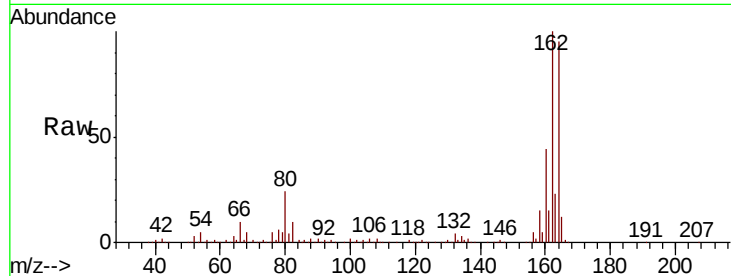
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1912
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.4	125.0
160	46.6	36.6	55.0

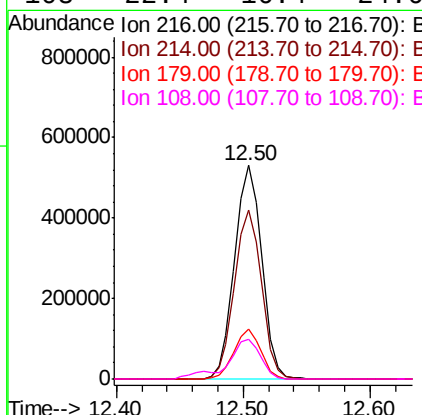
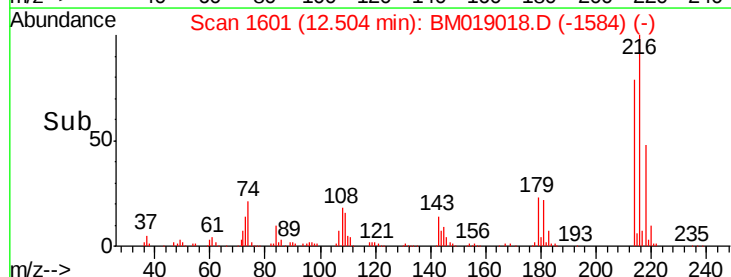
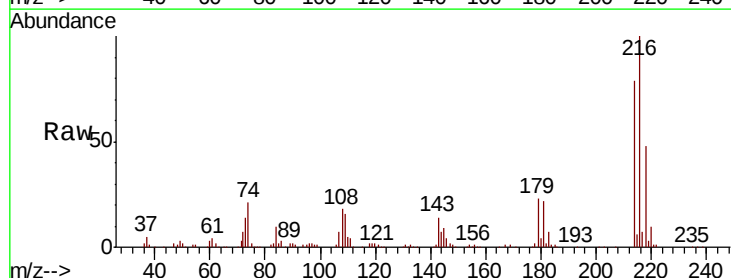
Manual Integrations
APPROVED

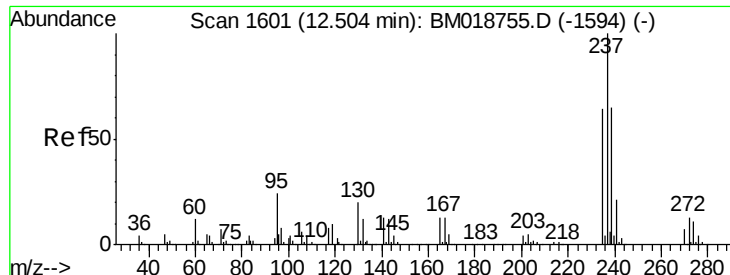
Sohil
3/5/2019 5:23:51 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.000 ng
RT: 12.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.2	94.8
179	22.8	17.8	26.8
108	22.4	16.4	24.6





#41

Hexachlorocyclopentadiene

Concen: 79.344 ng

RT: 12.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

ClientSampled :

Z-2-4MS

Tot Ion:237 Resp: 818648

Ion Ratio Lower Upper

237 100

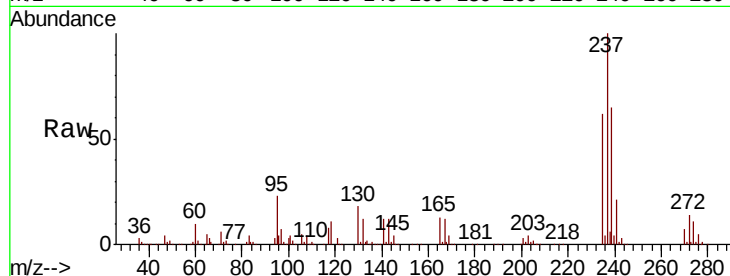
235 61.8 43.7 83.7

272 13.7 0.0 33.3

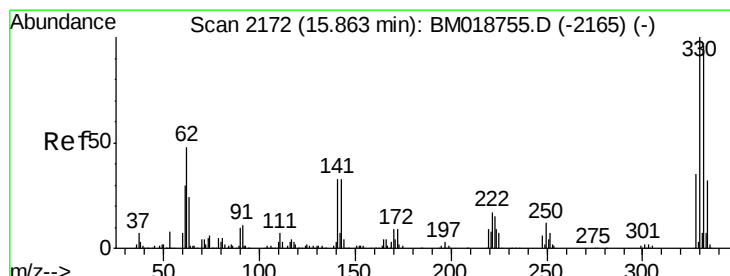
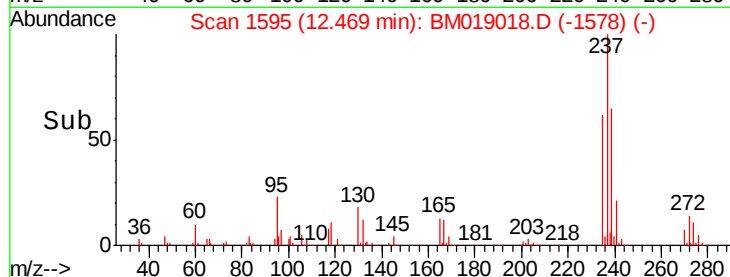
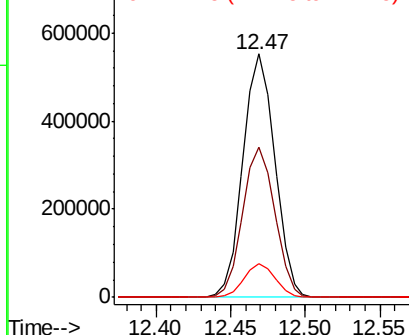
Manual Integrations
APPROVED

Sohil

3/5/2019 5:23:51 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: 129.645 ng

RT: 15.83 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

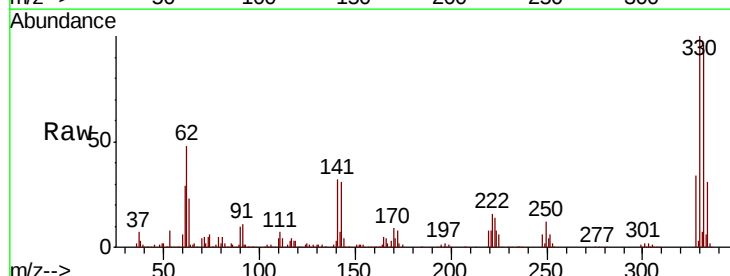
Tgt Ion:330 Resp: 1178933

Ion Ratio Lower Upper

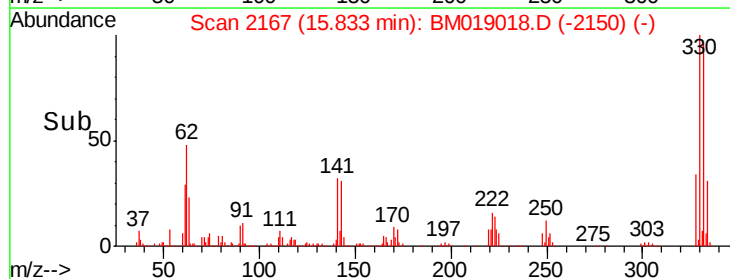
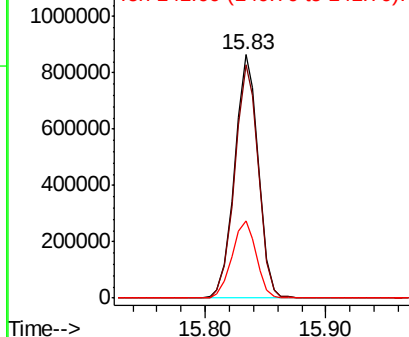
330 100

332 96.2 76.9 115.3

141 32.8 28.7 43.1



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





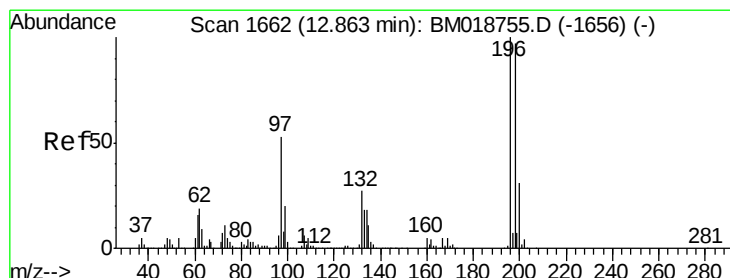
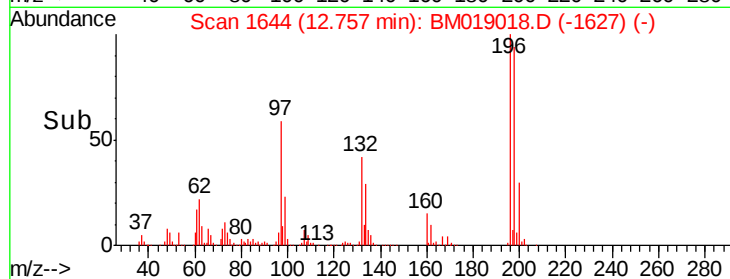
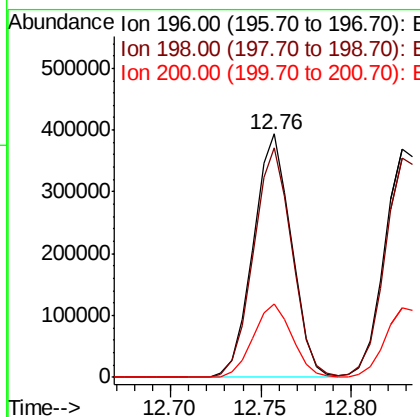
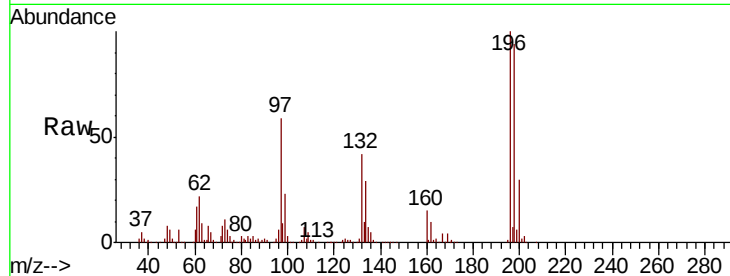
#43
 2,4,6-Trichlorophenol
 Concen: 43.146 ng
 RT: 12.76 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampled :
 Z-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	576406		
198	94.2	76.2	114.2	
200	30.1	24.2	36.2	

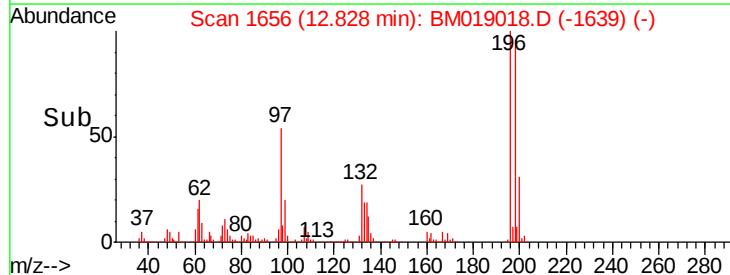
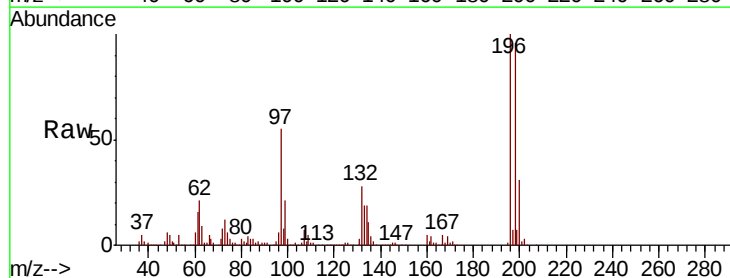
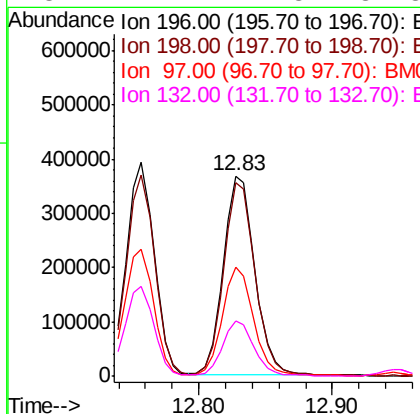
Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.325 ng
 RT: 12.83 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	606662		
198	96.3	77.6	116.4	
97	54.6	42.8	64.2	
132	27.7	21.8	32.8	





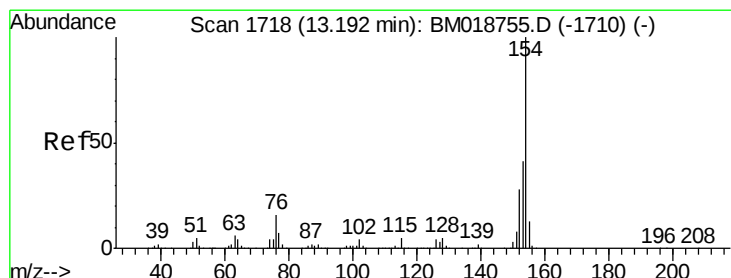
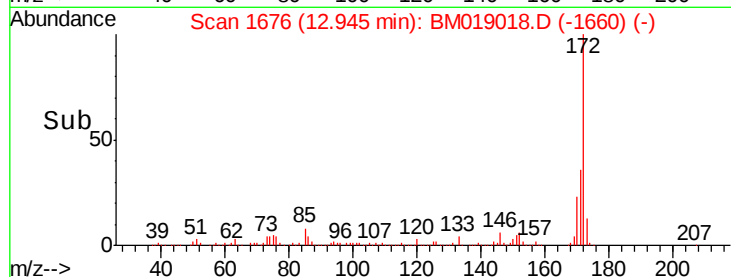
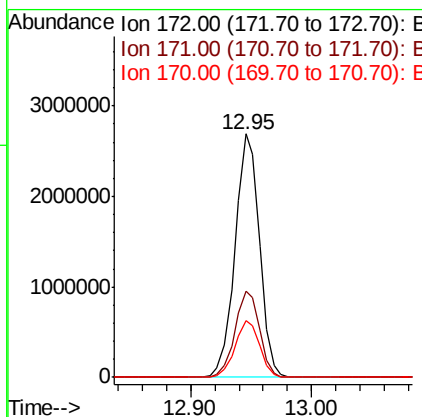
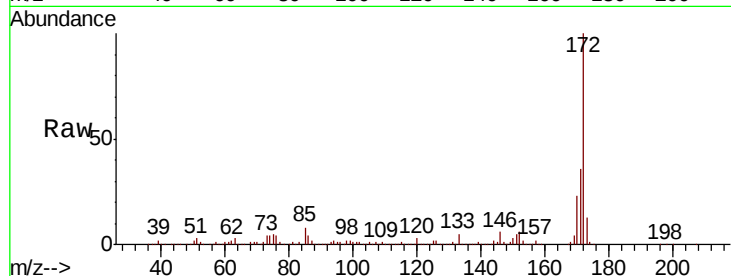
#45
2-Fluorobiphenyl
Concen: 79.657 ng
RT: 12.95 min Scan# 1676
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.3	18.6	28.0

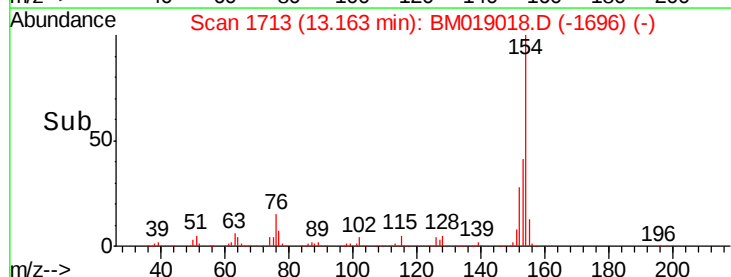
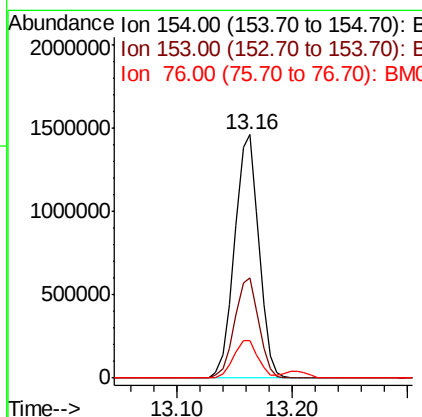
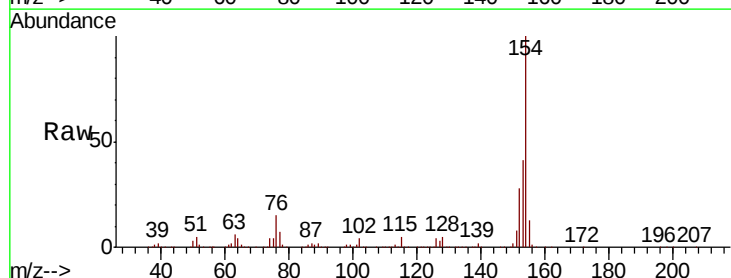
Manual Integrations
APPROVED

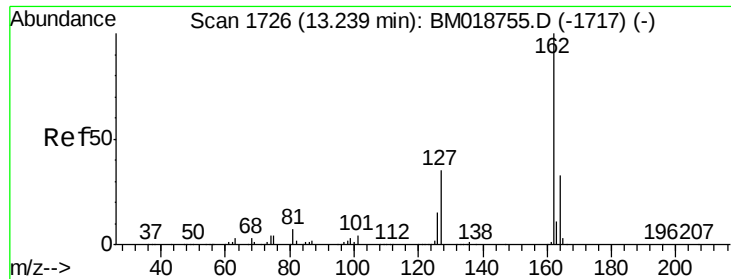
Sohil
3/5/2019 5:23:51 PM



#46
1,1'-Biphenyl
Concen: 39.126 ng
RT: 13.16 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.1	61.1
76	15.2	0.0	35.7





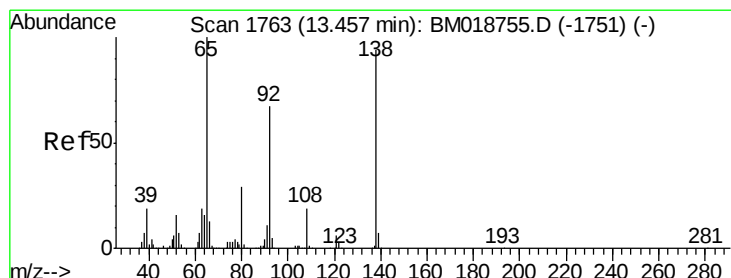
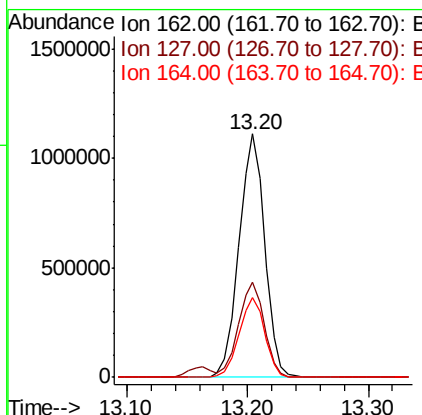
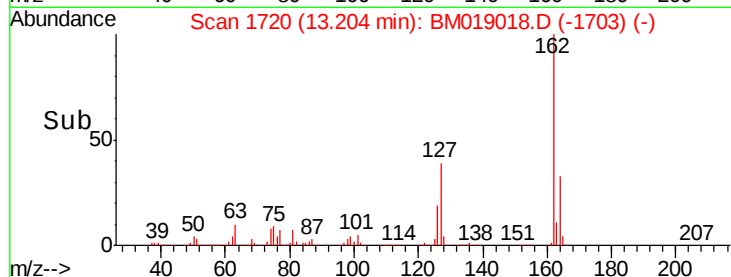
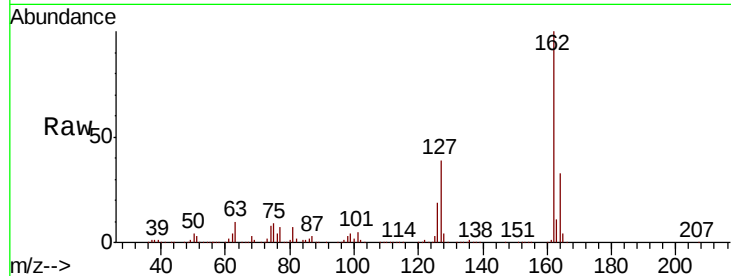
#47
2-Chloronaphthalene
Concen: 39.395 ng
RT: 13.20 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.1	46.7
164	33.0	26.4	39.6

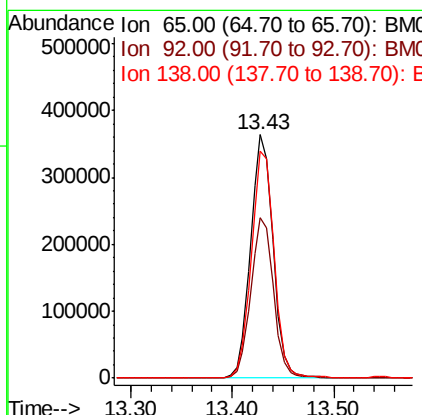
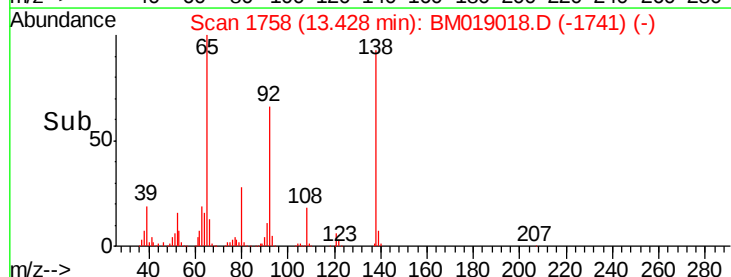
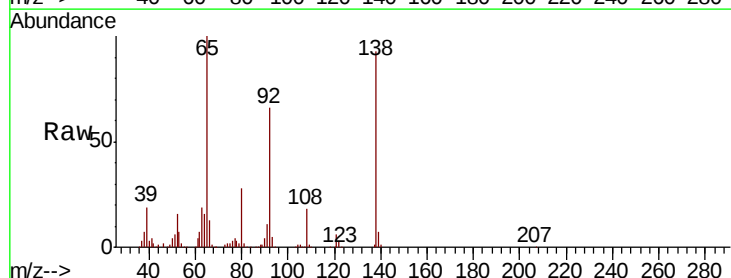
Manual Integrations
APPROVED

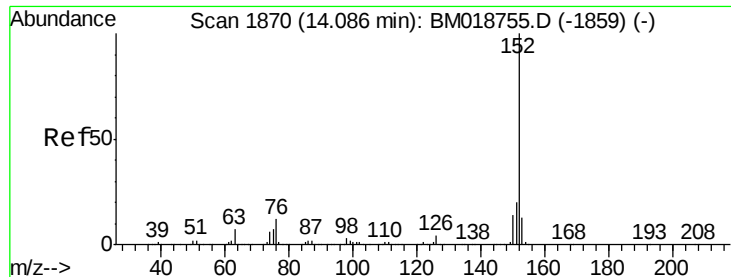
Sohil
3/5/2019 5:23:51 PM



#48
2-Nitroaniline
Concen: 40.378 ng
RT: 13.43 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.1	54.0	81.0
138	93.0	74.9	112.3





#49

Acenaphthylene

Concen: 42.697 ng

RT: 14.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

ClientSampleId :

Z-2-4MS

Tot Ion:152 Resp: 2666578

Ion Ratio Lower Upper

152 100

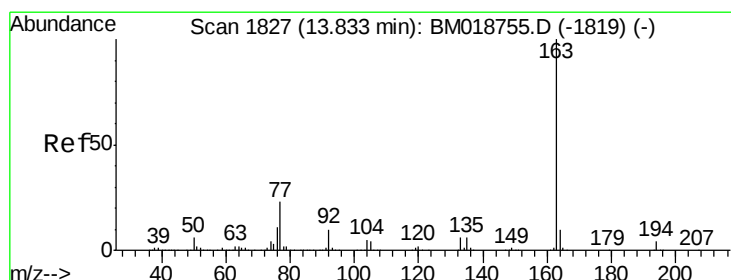
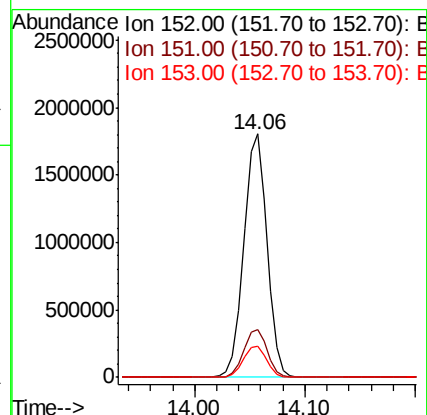
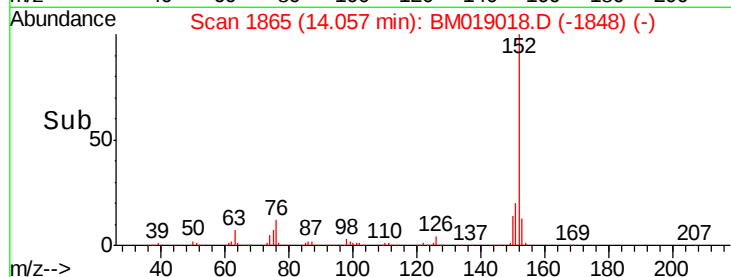
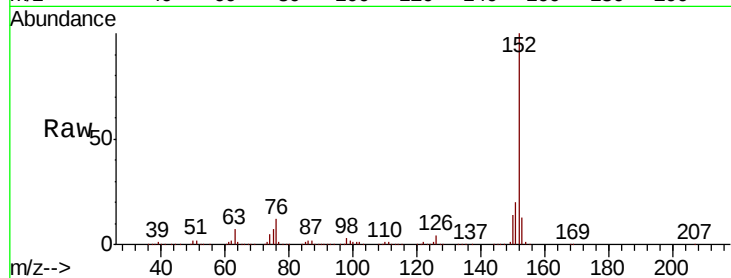
151 19.7 15.8 23.8

153 12.9 10.5 15.7

Manual Integrations
APPROVED

Sohil

3/5/2019 5:23:51 PM



#50

Dimethylphthalate

Concen: 44.844 ng

RT: 13.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

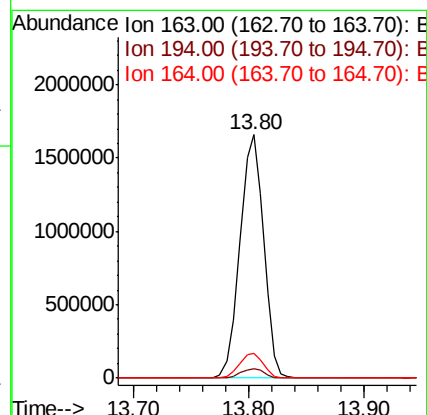
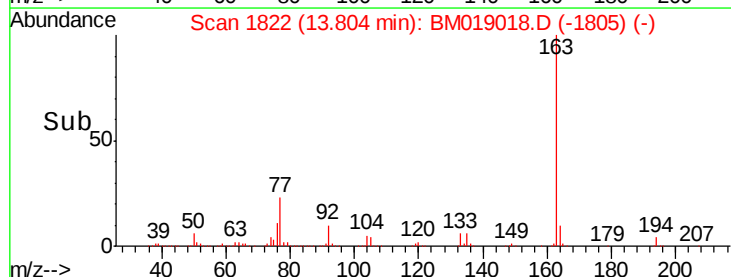
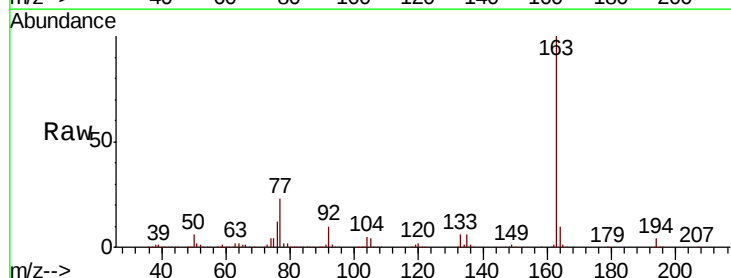
Tgt Ion:163 Resp: 2357669

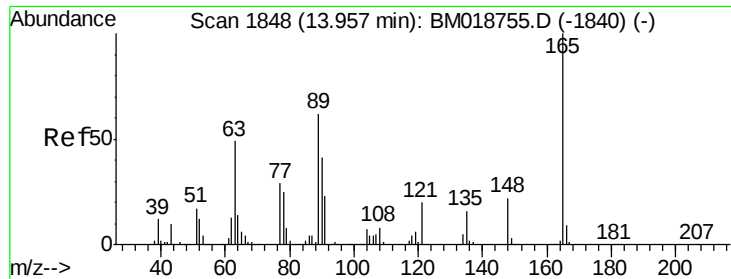
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 10.0 7.8 11.8





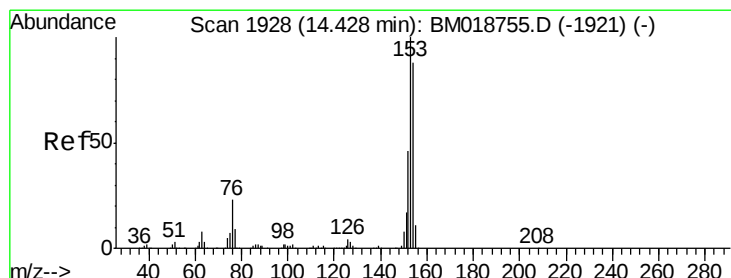
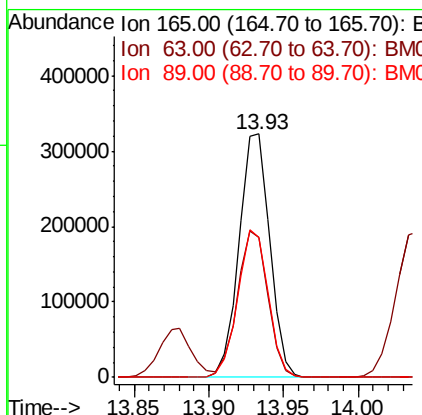
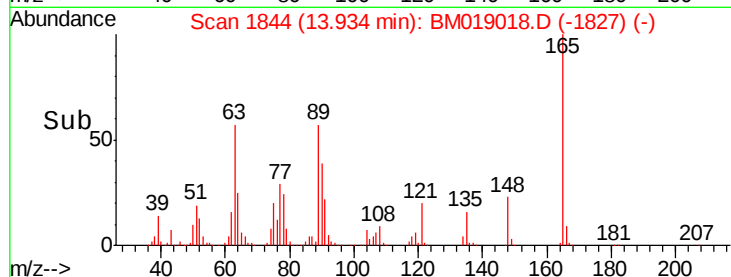
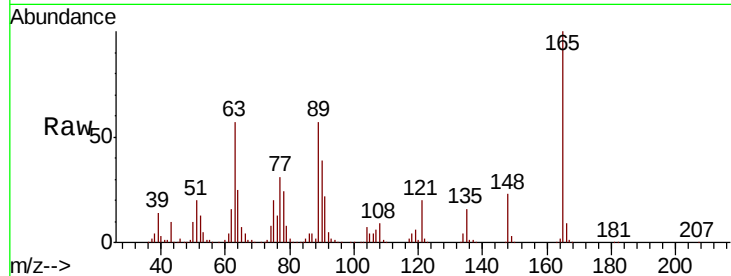
#51
2,6-Dinitrotoluene
Concen: 40.461 ng
RT: 13.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	460805		
63	57.3	48.9	73.3	
89	57.4	49.4	74.0	

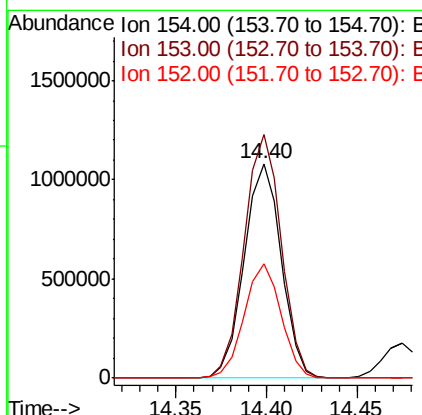
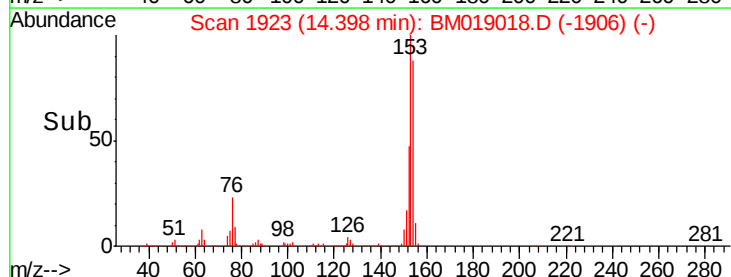
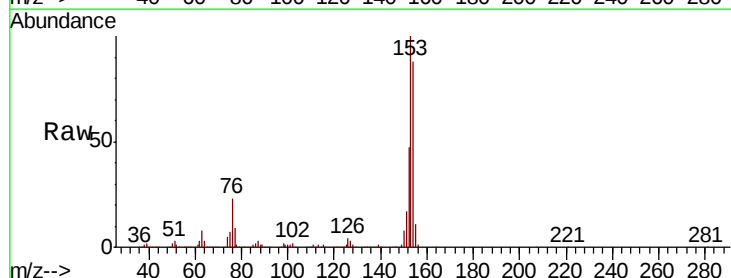
Manual Integrations
APPROVED

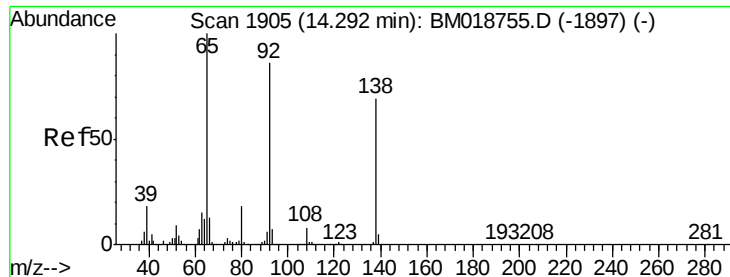
Sohil
3/5/2019 5:23:51 PM



#52
Acenaphthene
Concen: 40.249 ng
RT: 14.40 min Scan# 1923
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1541316		
153	113.4	91.3	136.9	
152	53.3	42.2	63.4	





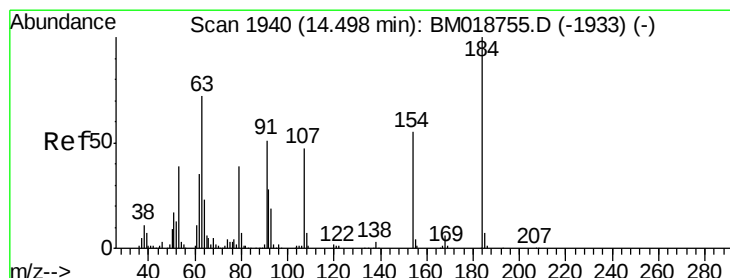
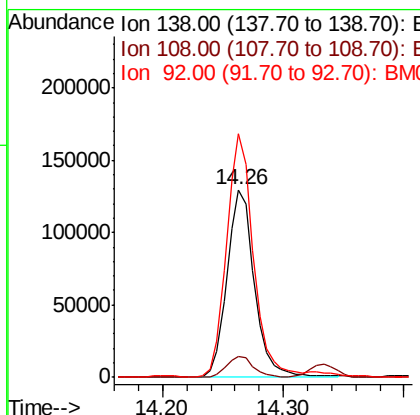
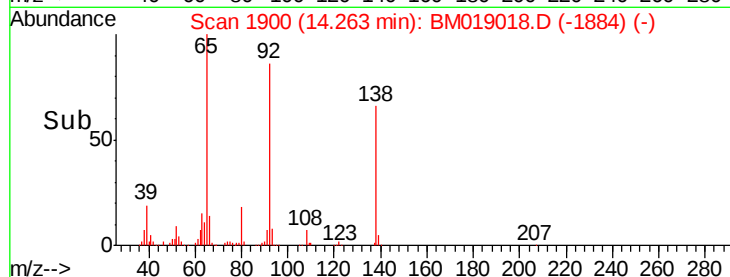
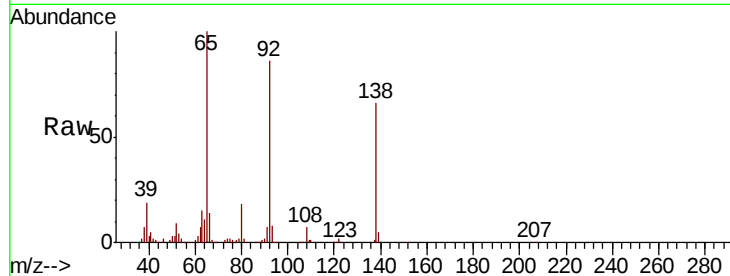
#53
3-Nitroaniline
Concen: 15.930 ng
RT: 14.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	204995		
108	11.1	9.1	13.7	
92	129.6	99.7	149.5	

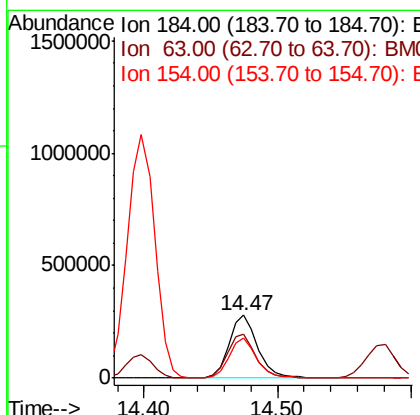
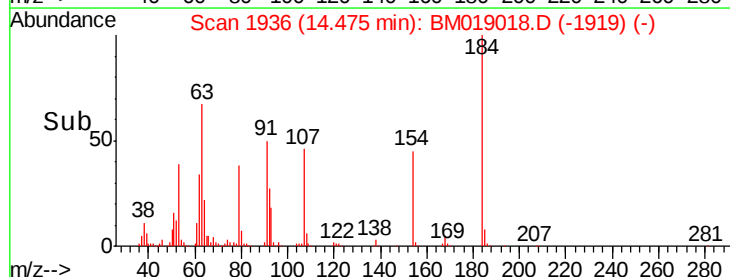
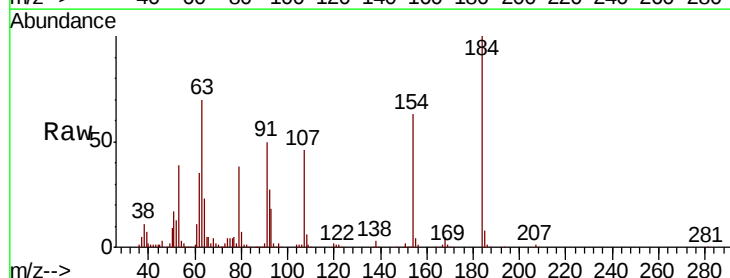
Manual Integrations
APPROVED

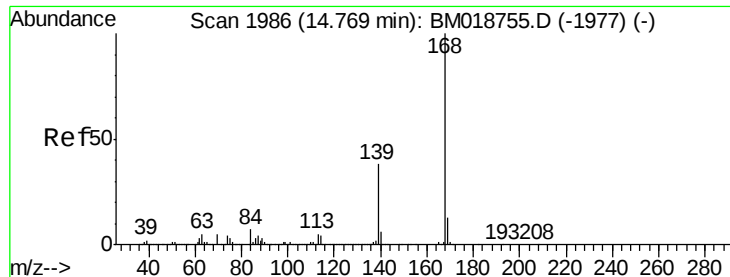
Sohil
3/5/2019 5:23:51 PM



#54
2,4-Dinitrophenol
Concen: 59.228 ng
RT: 14.47 min Scan# 1936
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	416366		
63	69.6	58.0	87.0	
154	63.2	50.3	75.5	





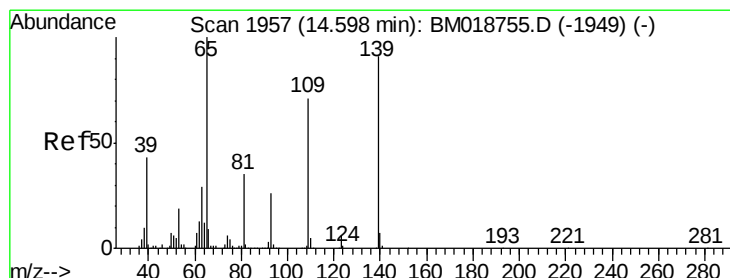
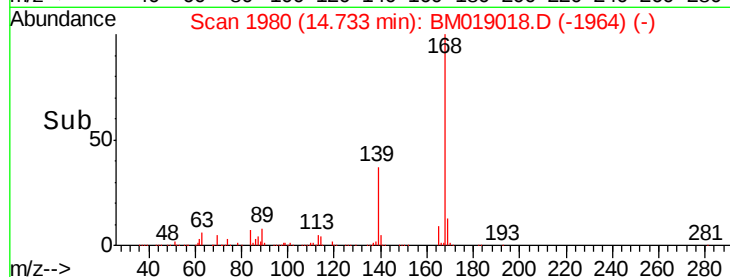
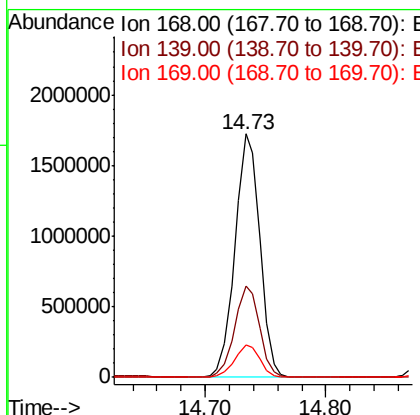
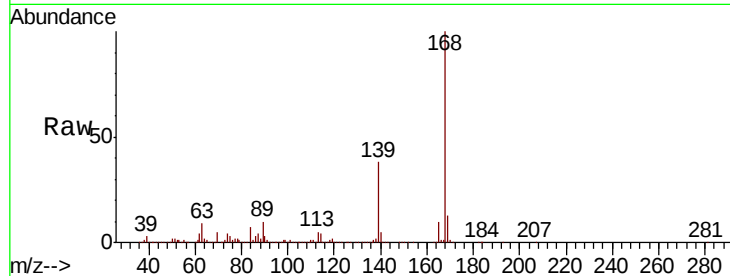
#55
Dibenzofuran
Concen: 39.326 ng
RT: 14.73 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.7	46.1
169	13.2	10.3	15.5

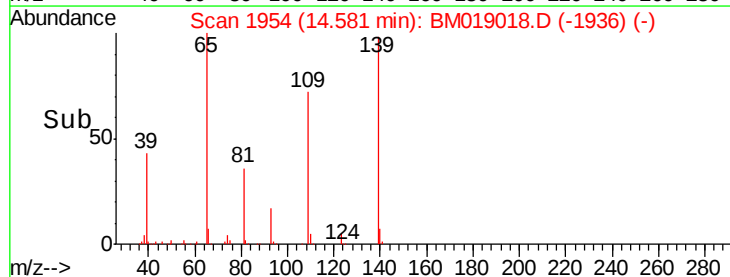
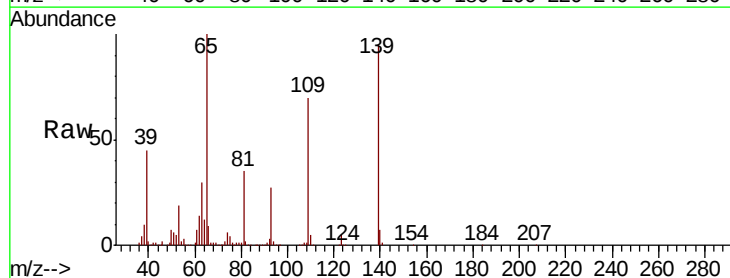
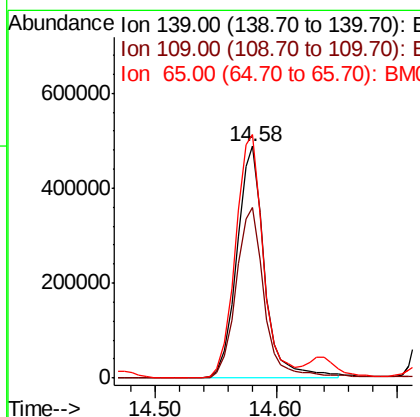
Manual Integrations
APPROVED

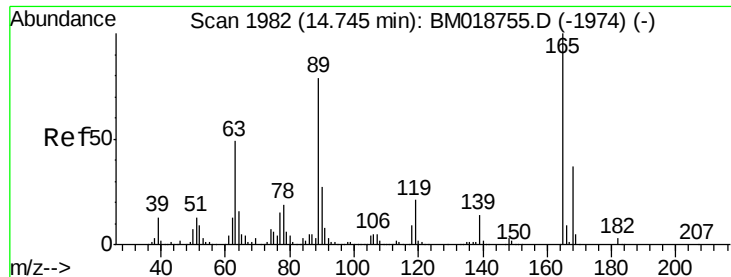
Sohil
3/5/2019 5:23:51 PM



#56
4-Nitrophenol
Concen: 75.708 ng
RT: 14.58 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.9	58.4	98.4
65	105.1	89.8	129.8





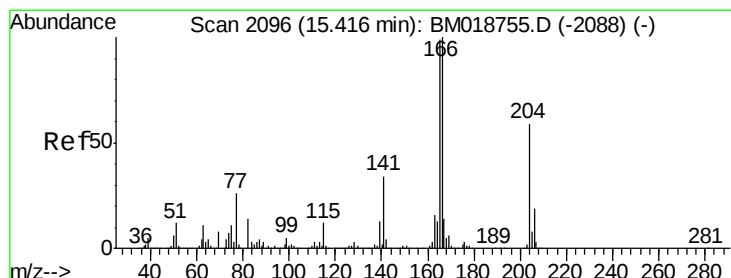
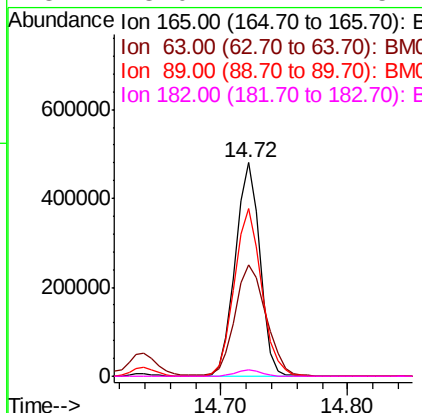
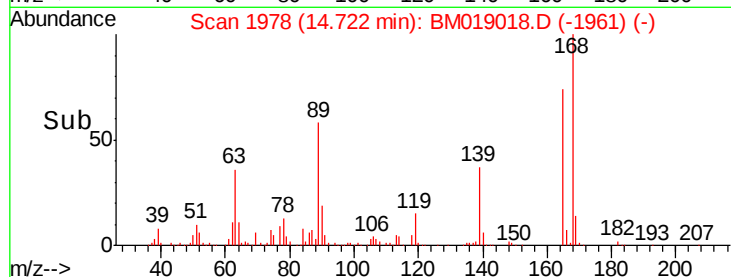
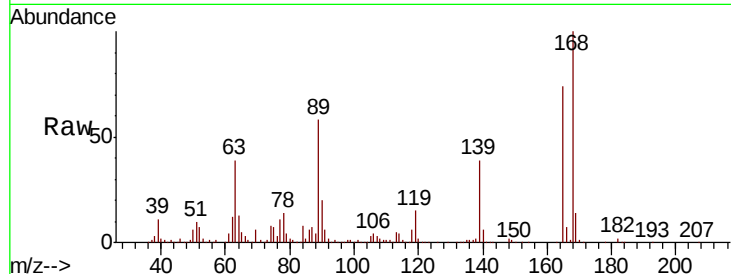
#57
2,4-Dinitrotoluene
Concen: 41.131 ng
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.0	39.6	59.4
89	78.6	63.5	95.3
182	3.0	2.2	3.4

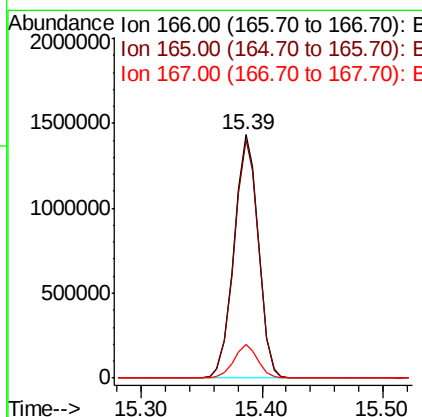
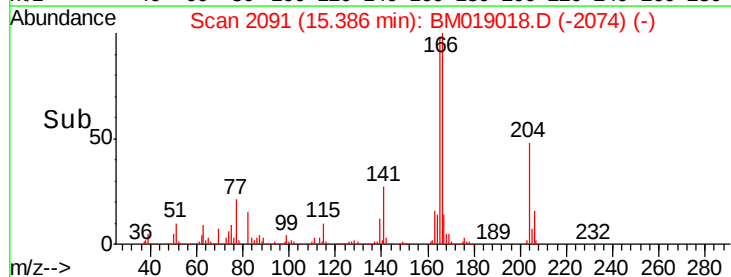
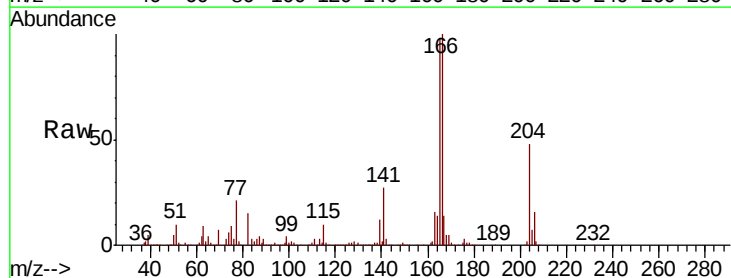
Manual Integrations
APPROVED

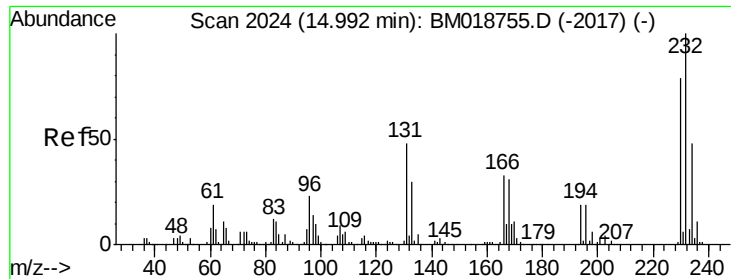
Sohil
3/5/2019 5:23:51 PM



#58
Fluorene
Concen: 41.785 ng
RT: 15.39 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.6	11.0	16.4





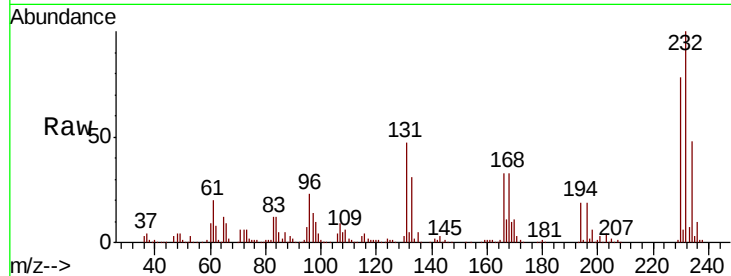
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.995 ng
RT: 14.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.2	38.6	57.8
130	2.6	2.0	3.0
166	33.1	26.9	40.3

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



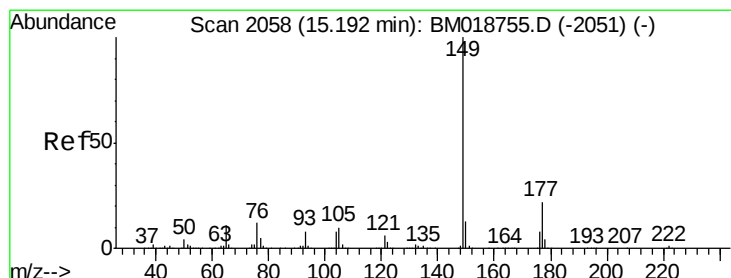
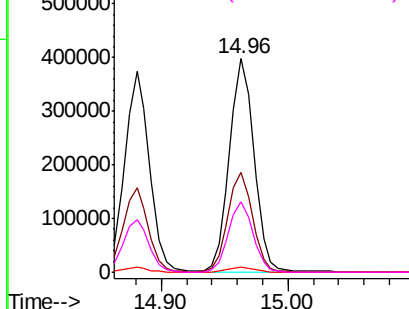
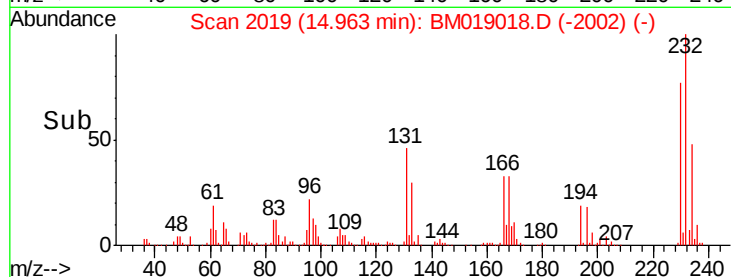
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

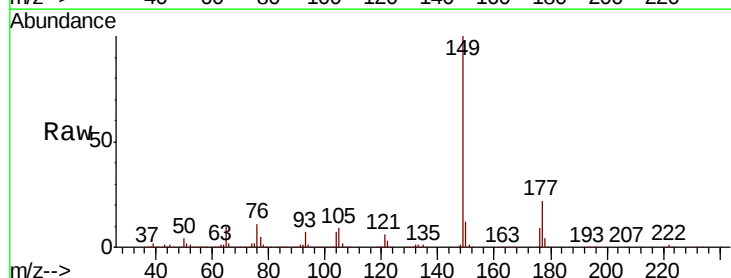
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 38.799 ng
RT: 15.17 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.2	25.8
150	12.2	10.2	15.2

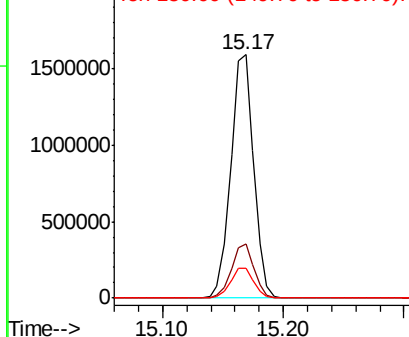
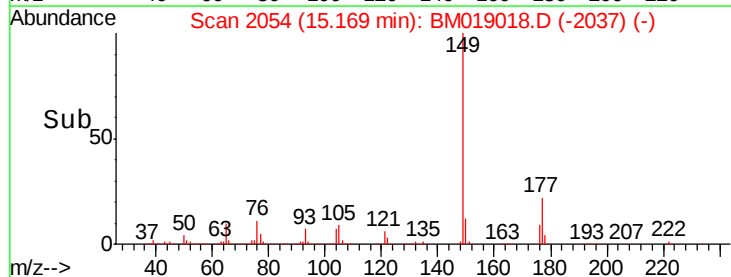


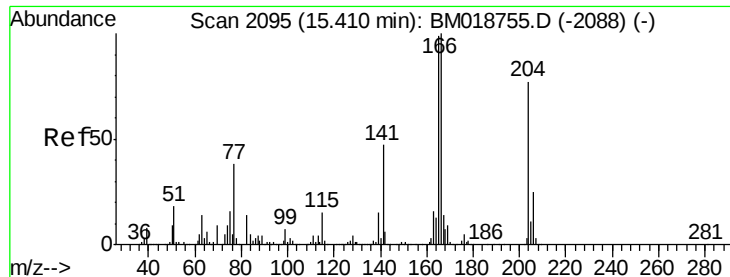
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





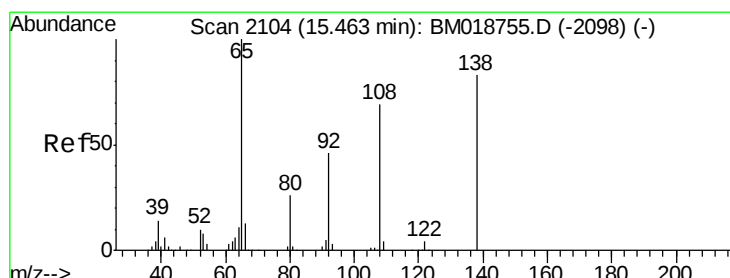
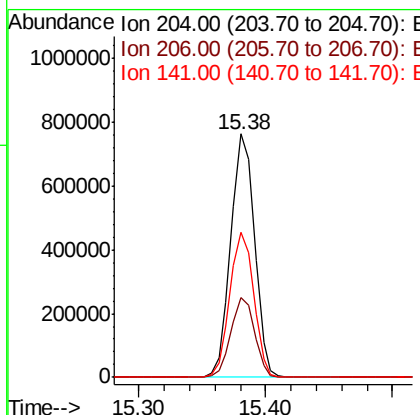
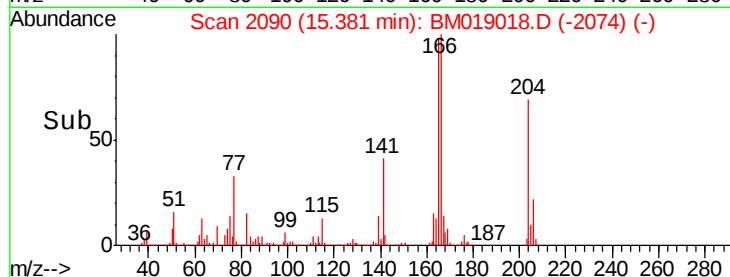
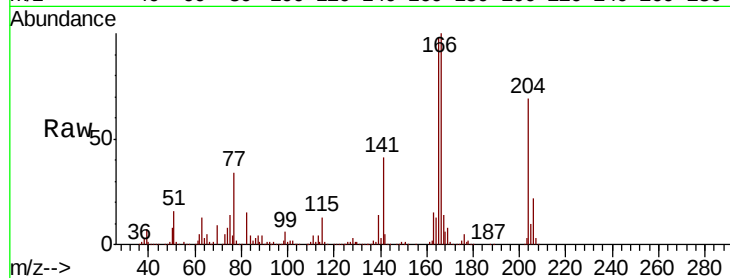
#61
4-Chlorophenyl-phenylether
Concen: 36.630 ng
RT: 15.38 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	59.7	49.2	73.8

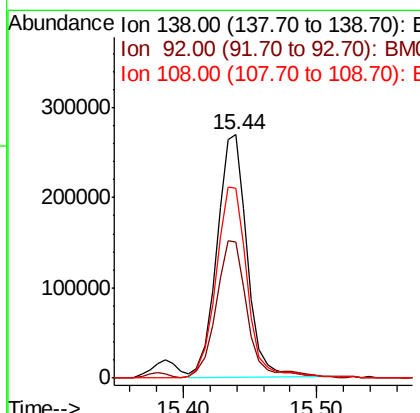
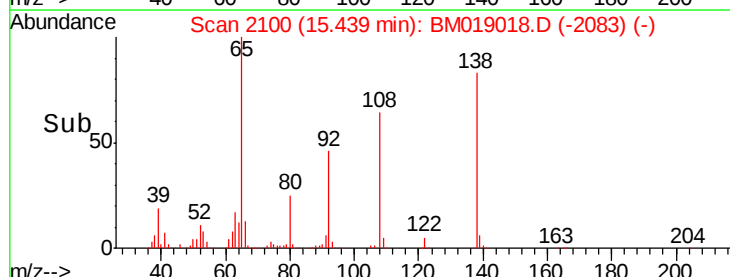
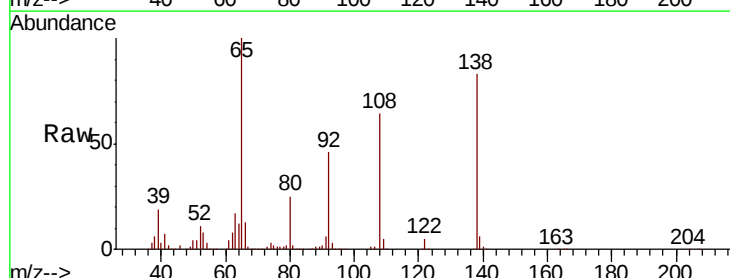
Manual Integrations
APPROVED

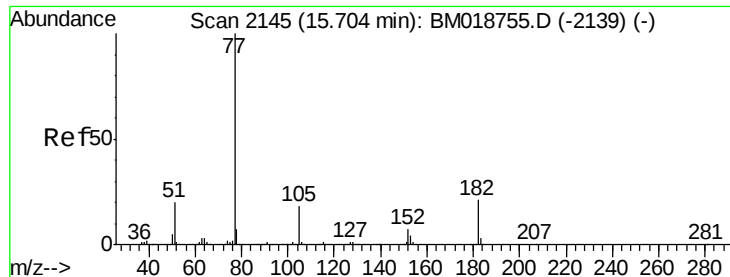
Sohil
3/5/2019 5:23:51 PM



#62
4-Nitroaniline
Concen: 33.638 ng
RT: 15.44 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.8	35.5	75.5
108	77.8	62.4	102.4





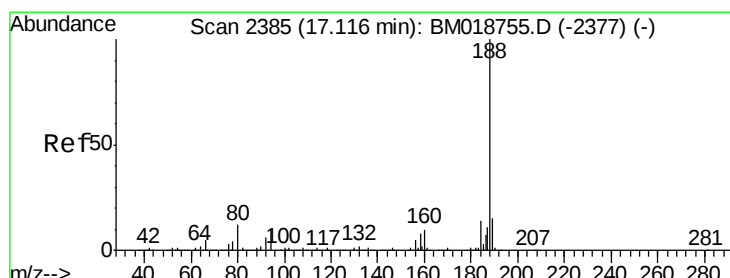
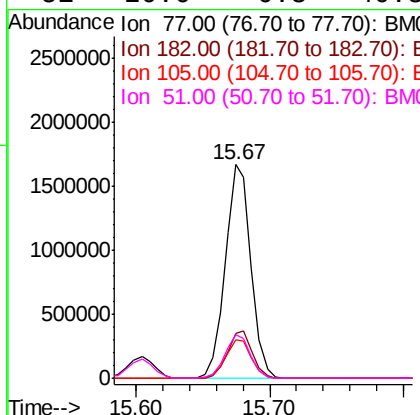
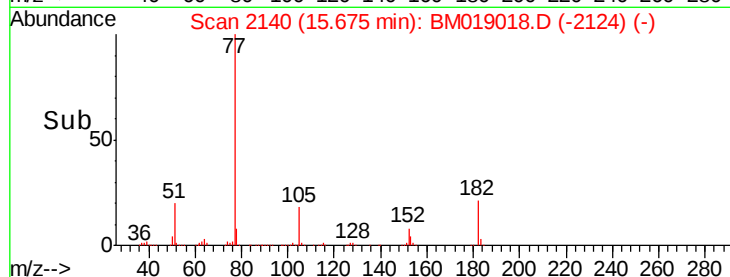
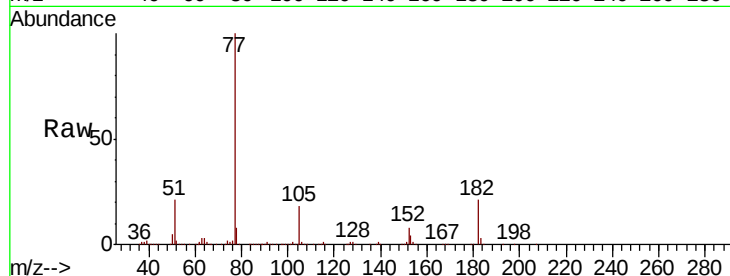
#63
Azobenzene
Concen: 38.422 ng
RT: 15.67 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	20.9	1.0	41.0	
105	17.8	0.0	37.7	
51	20.6	0.3	40.3	

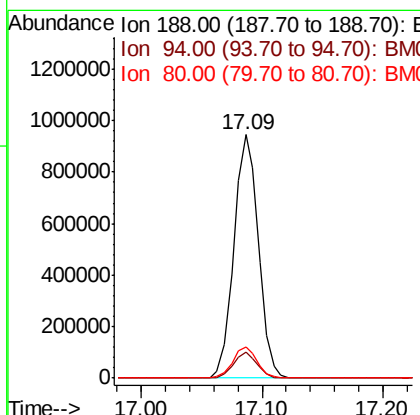
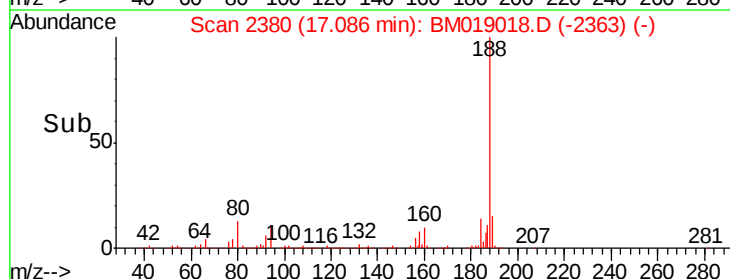
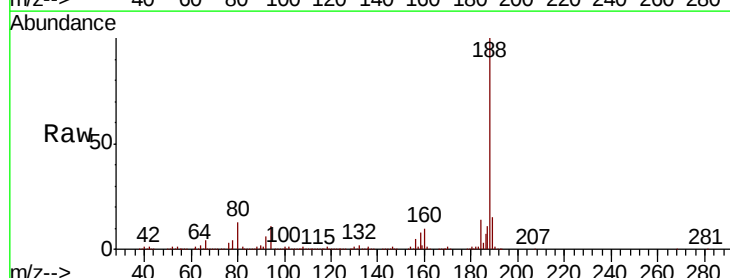
Manual Integrations
APPROVED

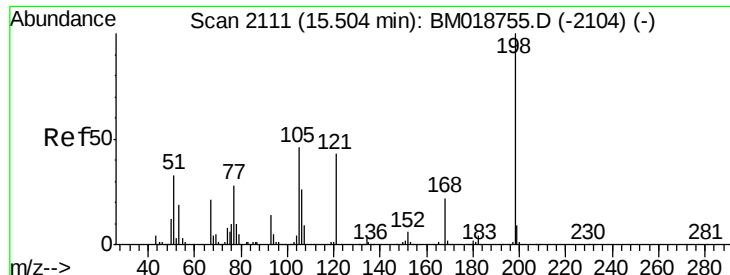
Sohil
3/5/2019 5:23:51 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.09 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.6	8.2	12.2	
80	12.9	9.7	14.5	





#65

4,6-Dinitro-2-methylphenol

Concen: 34.292 ng

RT: 15.48 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

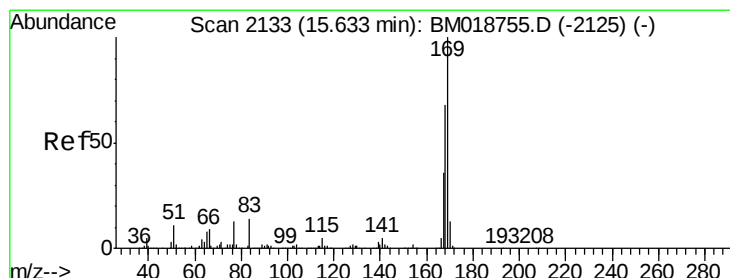
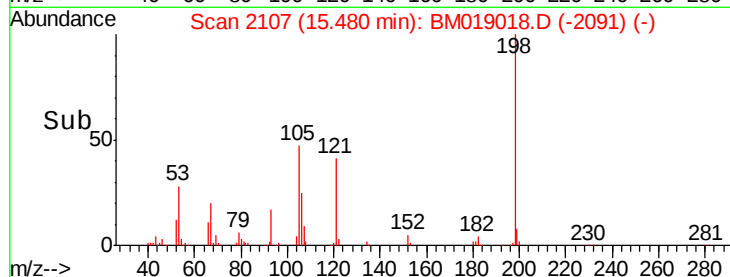
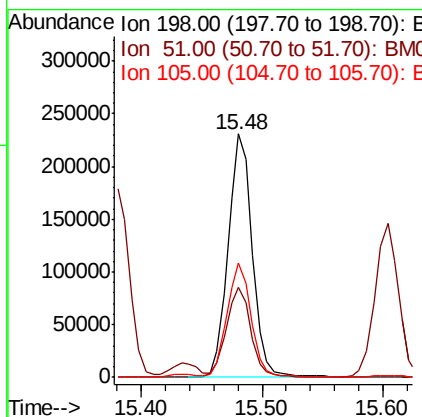
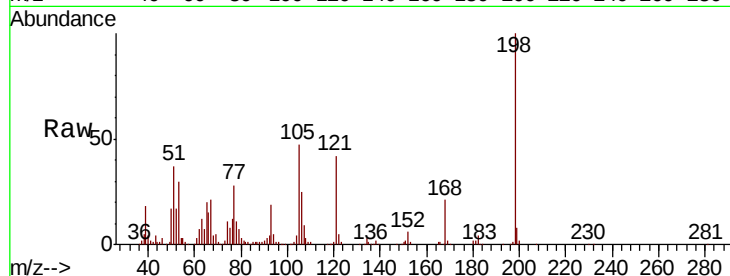
ClientSampled :

Z-2-4MS

Tot Ion:	198	Resp:	321352
Ion Ratio	Lower	Upper	
198	100		
51	37.0	18.4	58.4
105	47.1	27.2	67.2

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#66

n-Nitrosodiphenylamine

Concen: 41.238 ng

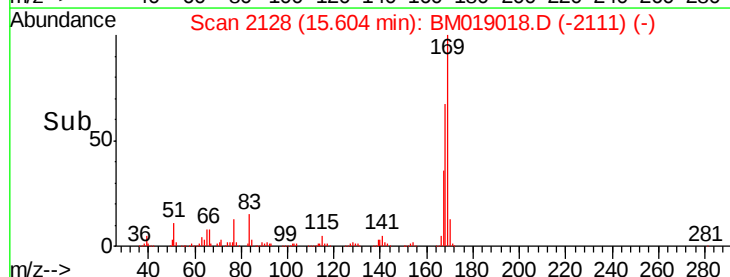
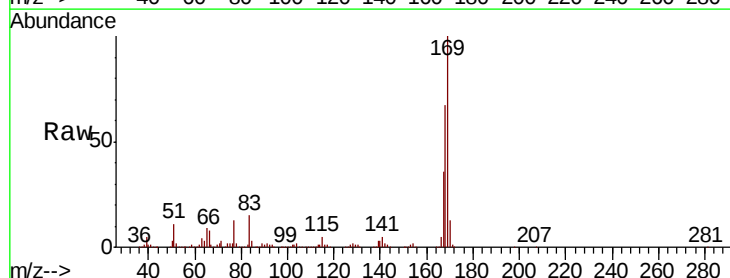
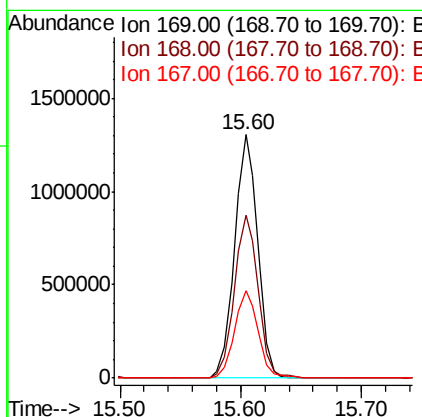
RT: 15.60 min Scan# 2128

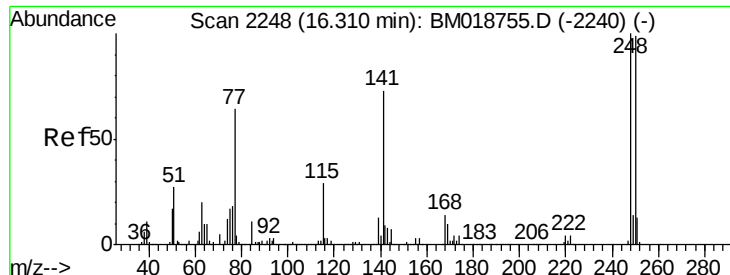
Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	169	Resp:	1738958
Ion Ratio	Lower	Upper	
169	100		
168	67.1	54.4	81.6
167	35.7	29.0	43.6





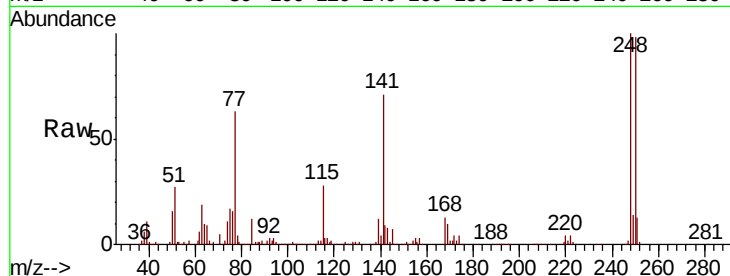
#67
4-Bromophenyl-phenylether
Concen: 38.924 ng
RT: 16.28 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.5	79.0	118.6
141	71.2	58.6	88.0

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM

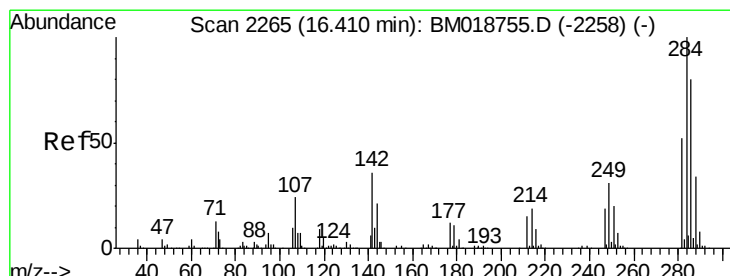
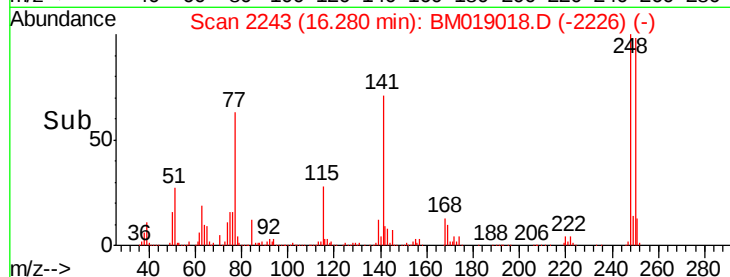
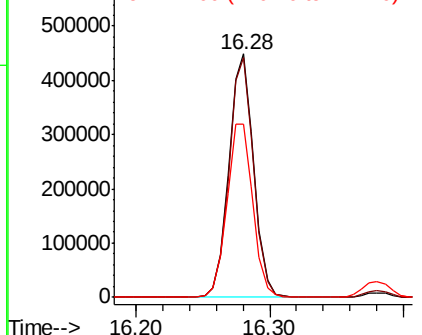


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 39.417 ng
RT: 16.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

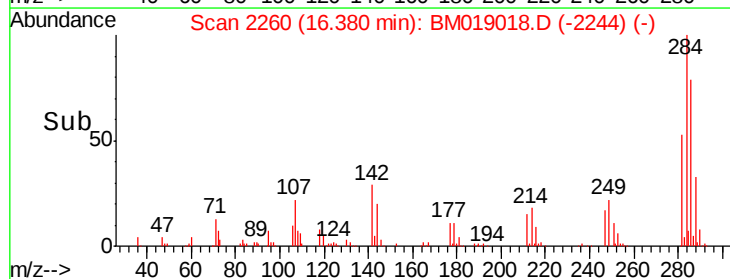
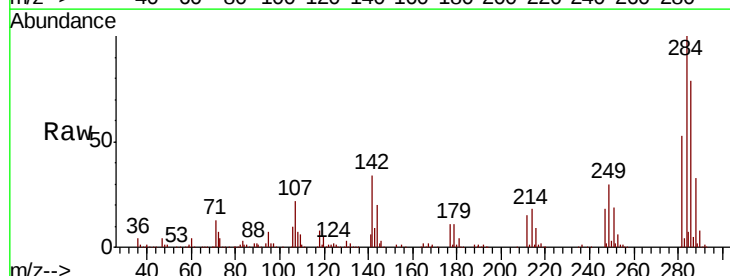
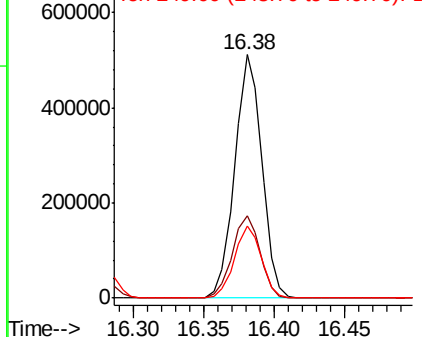
Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	28.9	43.3
249	29.9	24.8	37.2

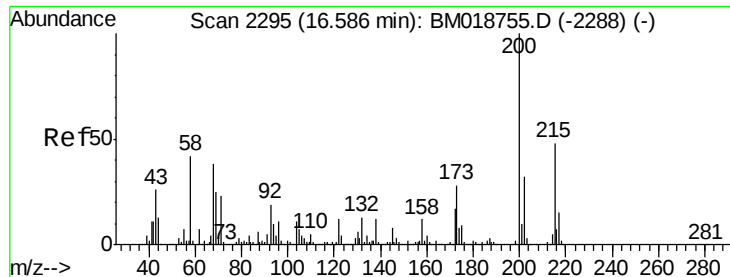
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





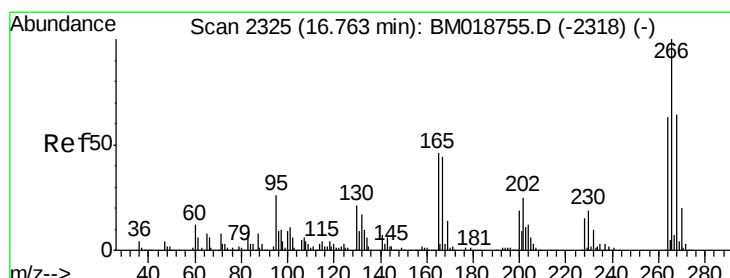
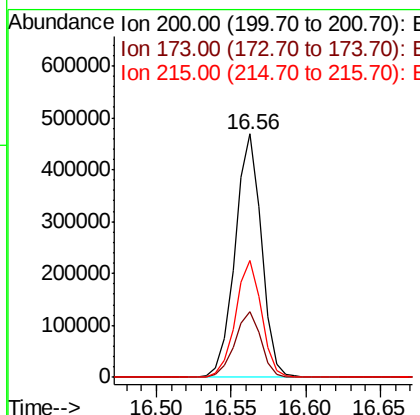
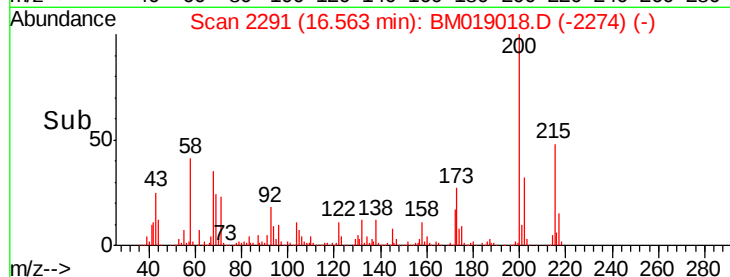
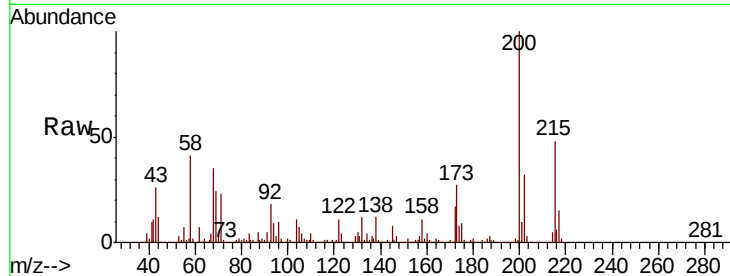
#69
Atrazine
Concen: 42.587 ng
RT: 16.56 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	578951		
173	27.1	7.6	47.6	
215	47.8	27.6	67.6	

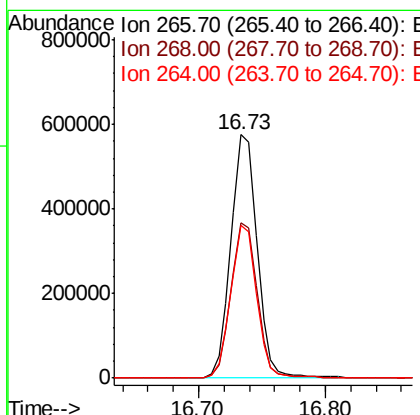
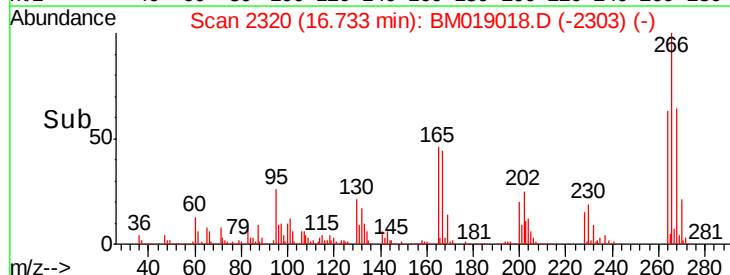
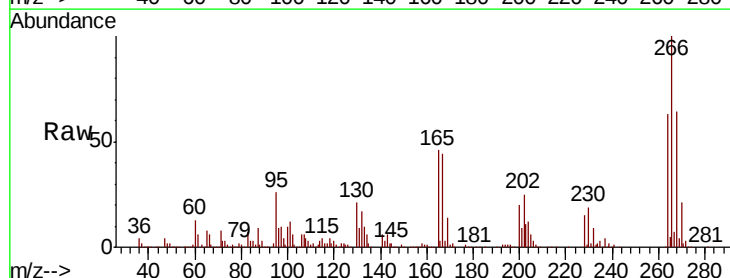
Manual Integrations
APPROVED

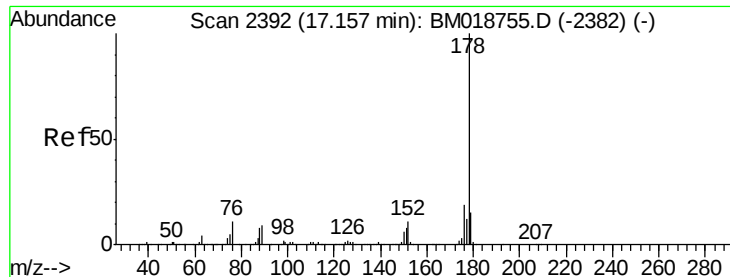
Sohil
3/5/2019 5:23:51 PM



#70
Pentachlorophenol
Concen: 73.847 ng
RT: 16.73 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	825689		
268	63.8	51.3	76.9	
264	62.6	50.6	75.8	





#71

Phenanthrene

Concen: 41.398 ng

RT: 17.13 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

ClientSampled :

Z-2-4MS

Tot Ion:178 Resp: 2969400

Ion Ratio Lower Upper

178 100

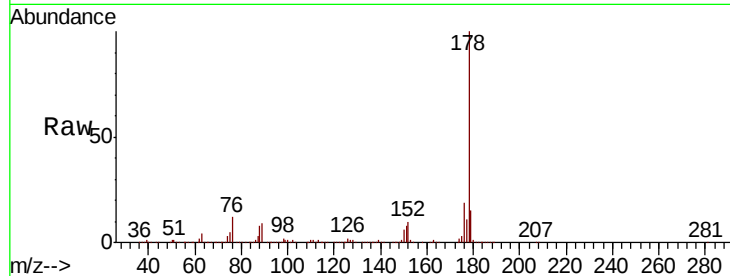
176 19.1 15.4 23.0

179 15.3 12.3 18.5

Manual Integrations
APPROVED

Sohil

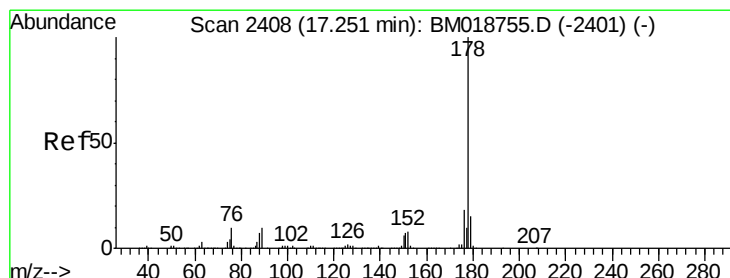
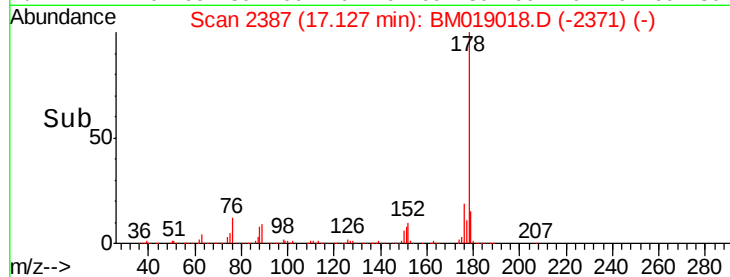
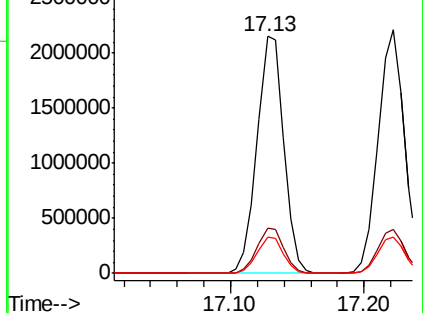
3/5/2019 5:23:51 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.101 ng

RT: 17.22 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:178 Resp: 3009150

Ion Ratio Lower Upper

178 100

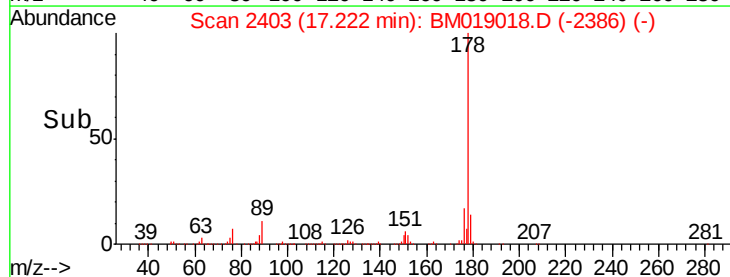
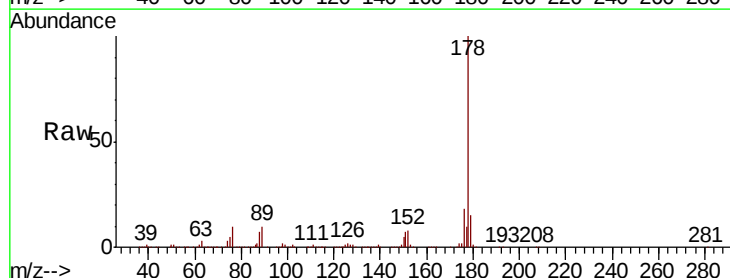
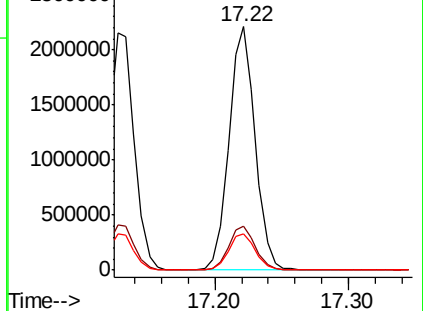
176 18.3 14.8 22.2

179 15.0 12.1 18.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





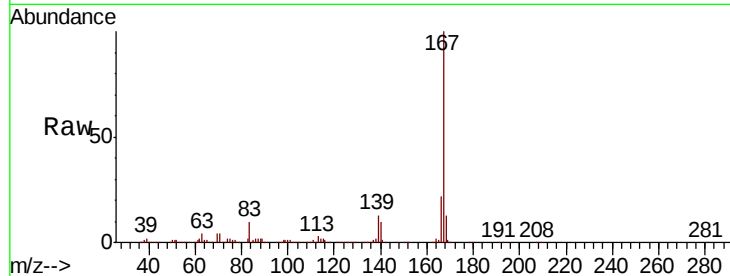
#73
 Carbazole
 Concen: 37.734 ng
 RT: 17.50 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampled :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.1	10.9	16.3

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

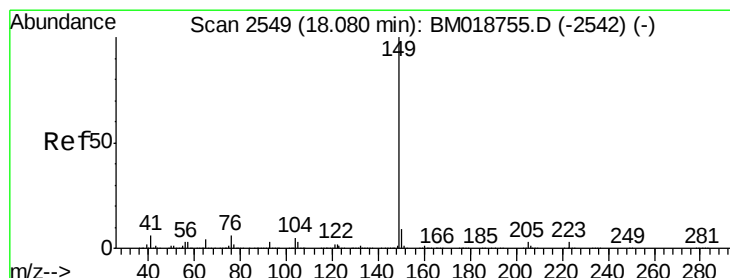
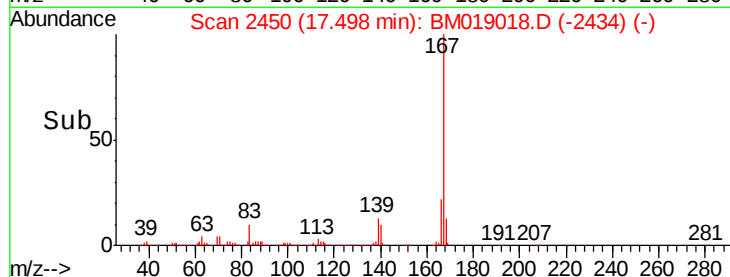
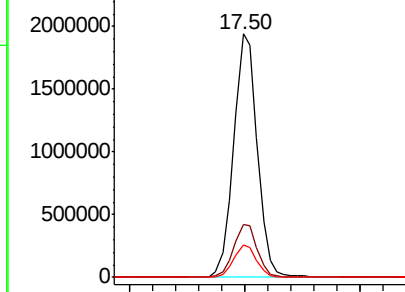


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 41.204 ng
 RT: 18.05 min Scan# 2544
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

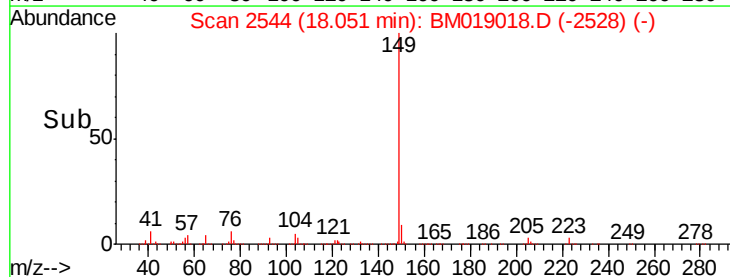
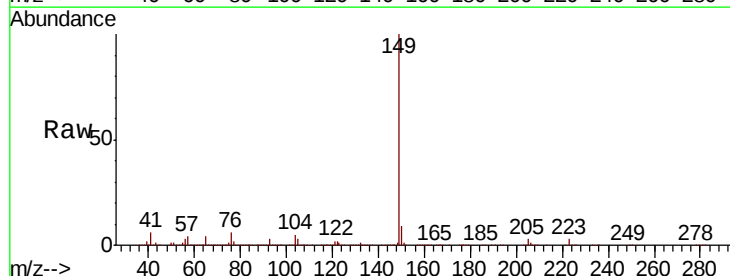
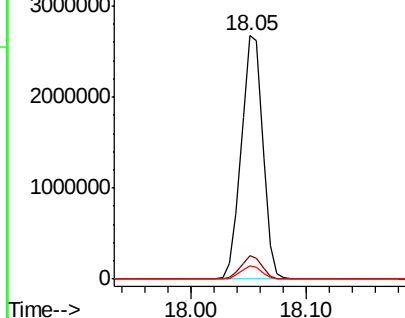
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.3	4.3	6.5

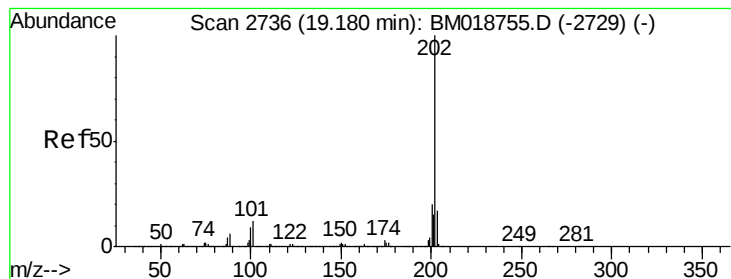
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





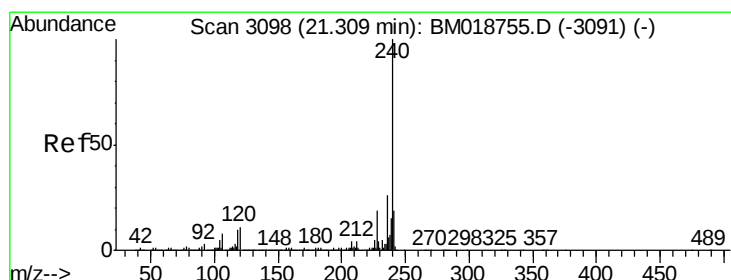
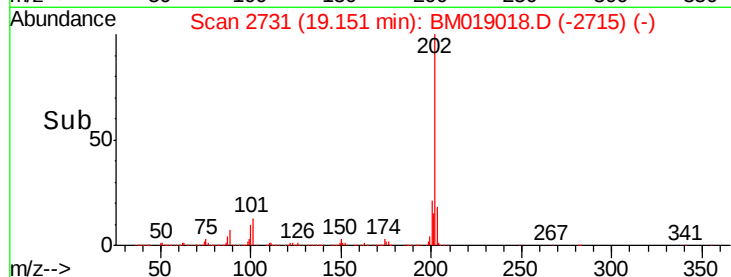
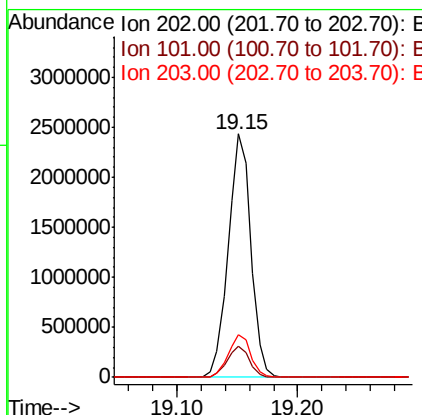
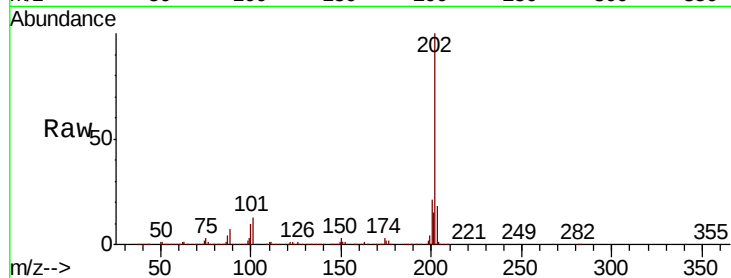
#75
 Fluoranthene
 Concen: 38.237 ng
 RT: 19.15 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampleId :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	31.5
203	17.6	0.0	37.3

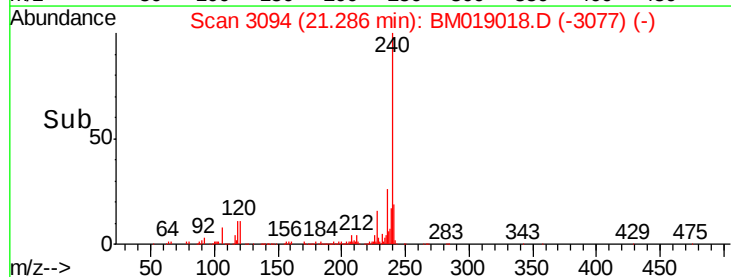
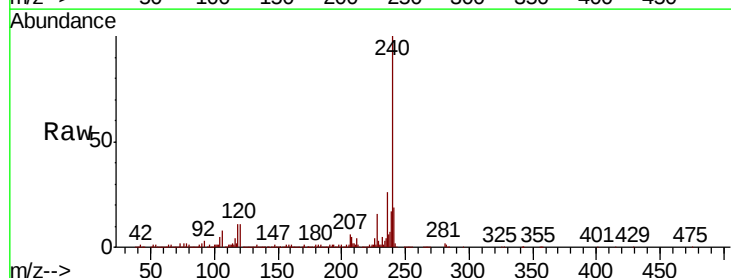
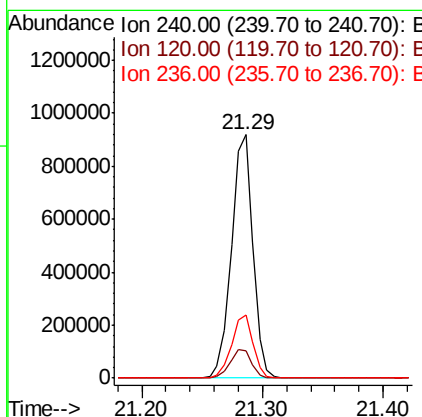
Manual Integrations
 APPROVED

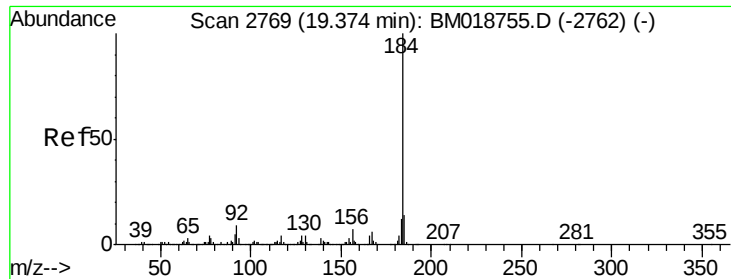
Sohil
 3/5/2019 5:23:51 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.8	20.9	31.3





#77

Benzidine

Concen: 51.523 ng

RT: 19.35 min Scan# 2765

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

ClientSampleId :

Z-2-4MS

Tot Ion:184 Resp: 1316832

Ion Ratio Lower Upper

184 100

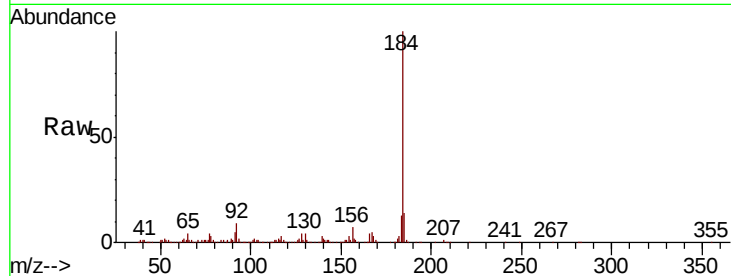
185 14.3 11.2 16.8

183 12.5 9.7 14.5

Manual Integrations
APPROVED

Sohil

3/5/2019 5:23:51 PM

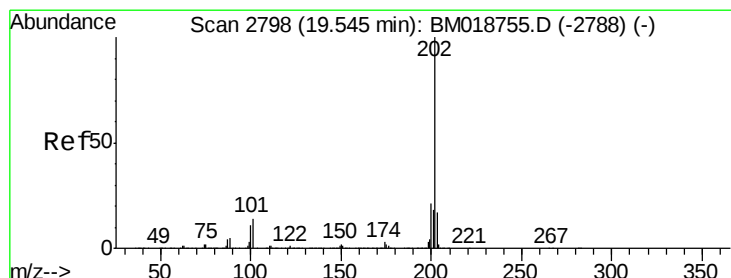
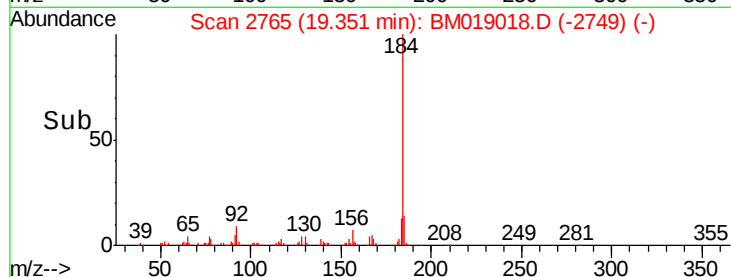
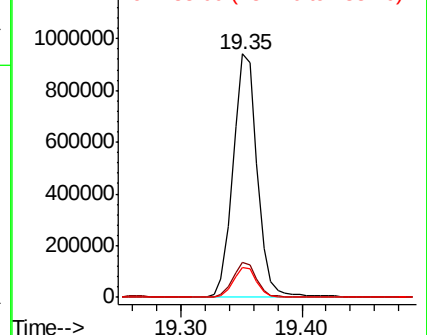


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.713 ng

RT: 19.52 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

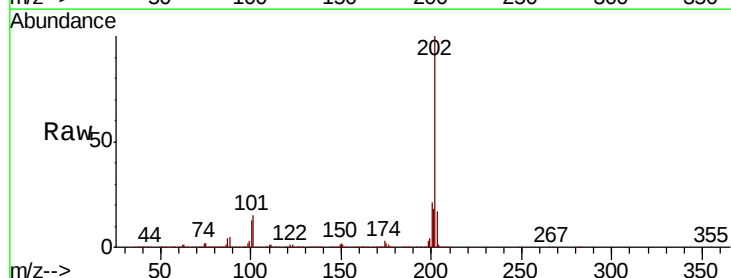
Tgt Ion:202 Resp: 3144771

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.3 13.8 20.8

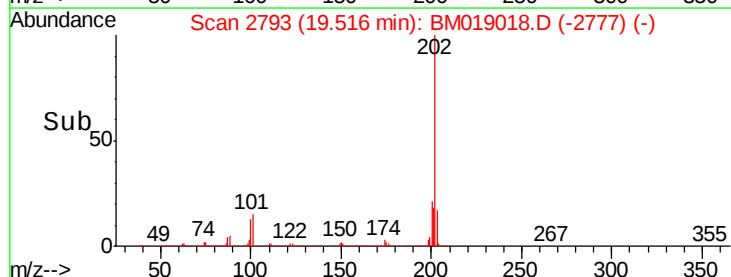
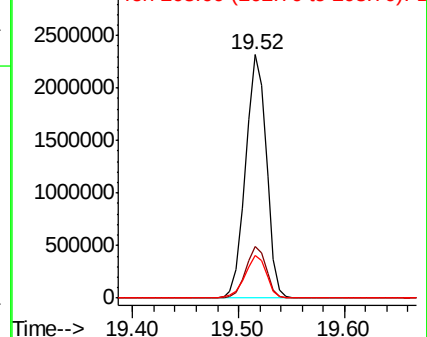


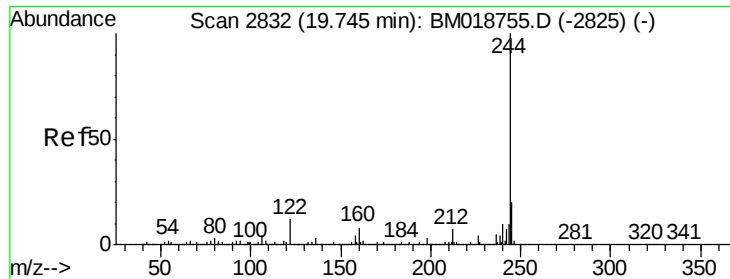
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





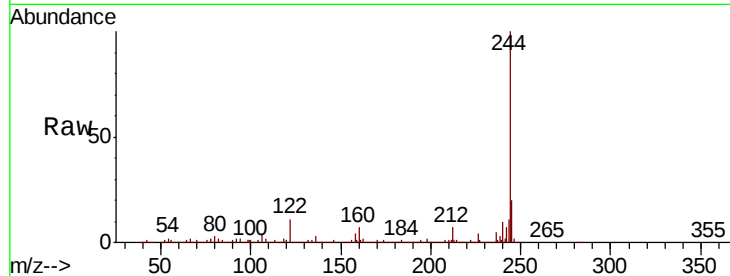
#79
 Terphenyl-d14
 Concen: 92.689 ng
 RT: 19.72 min Scan# 2828
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampled :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.4	9.3	13.9

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

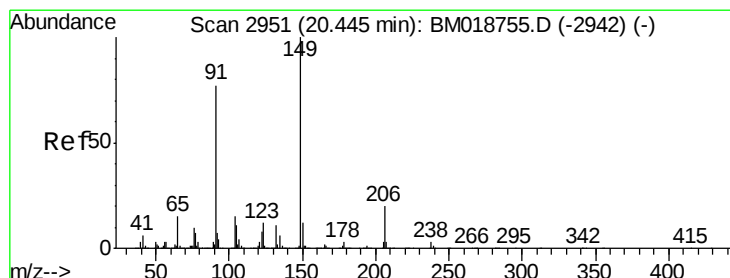
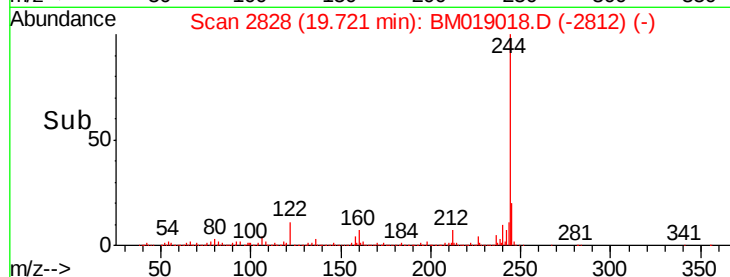
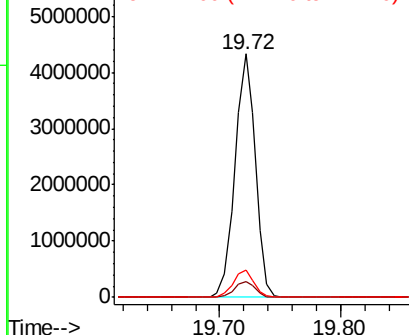


Abundance

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: 49.736 ng
 RT: 20.42 min Scan# 2947
 Delta R.T. 0.00 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

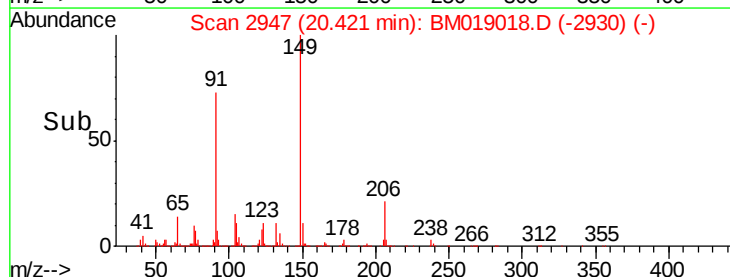
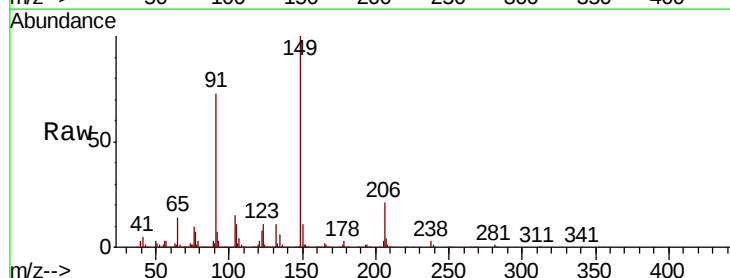
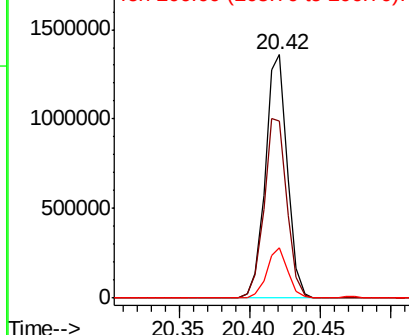
Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.6	61.4	92.0
206	20.6	15.8	23.8

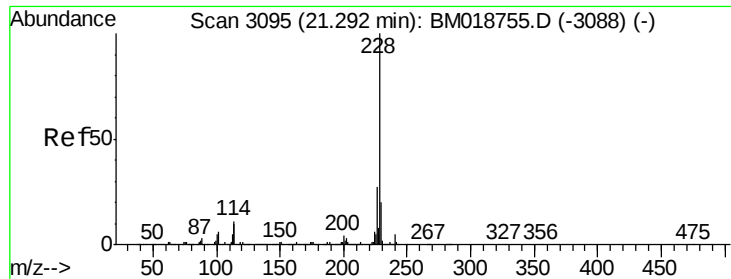
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.617 ng

RT: 21.27 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

ClientSampled :

Z-2-4MS

Tot Ion:228 Resp: 2686839

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	20.0	15.9	23.9

228 100

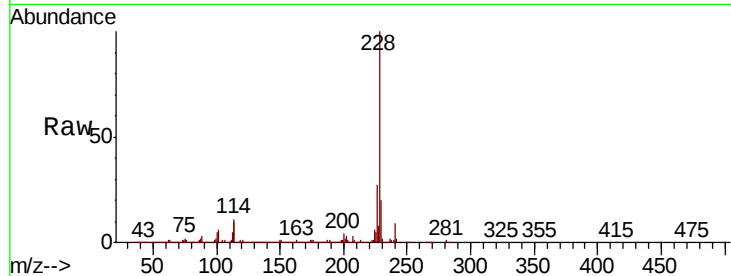
226 27.0 21.9 32.9

229 20.0 15.9 23.9

Manual Integrations
APPROVED

Sohil

3/5/2019 5:23:51 PM

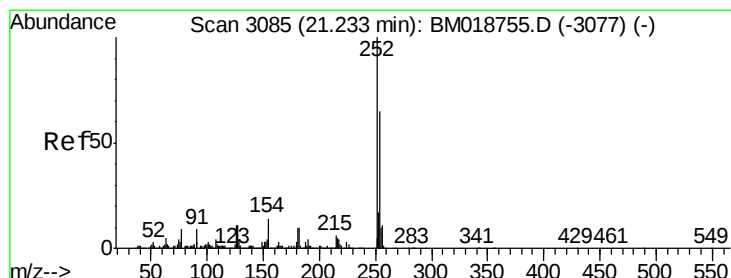
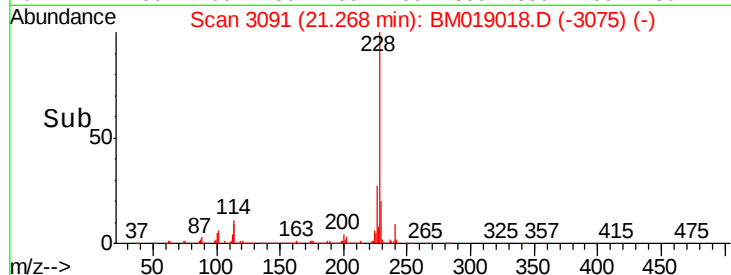
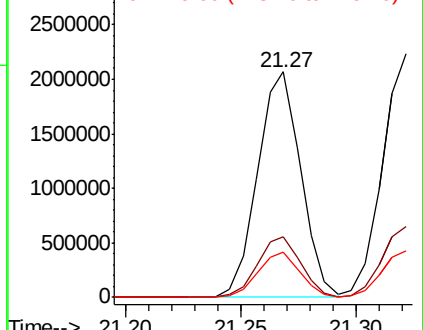


Abundance

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: 24.058 ng

RT: 21.21 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:252 Resp: 628962

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.8
126	11.0	9.1	13.7

252 100

254 64.7 51.8 77.8

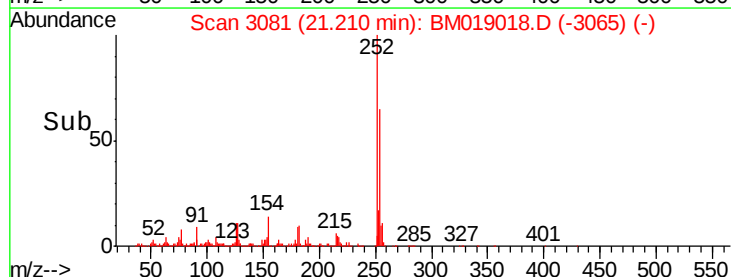
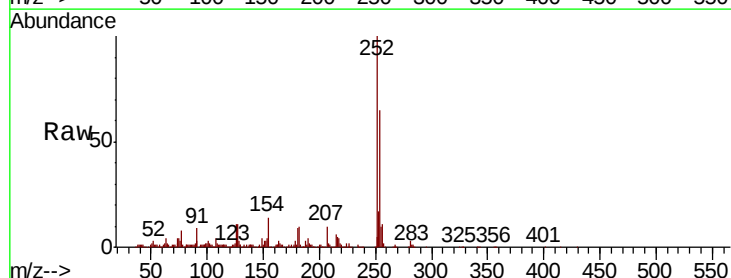
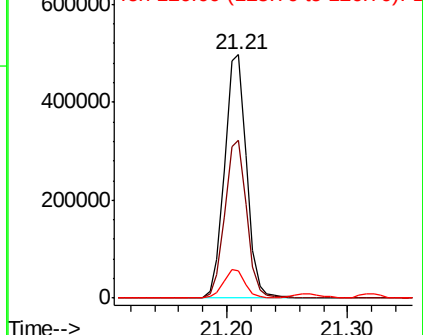
126 11.0 9.1 13.7

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





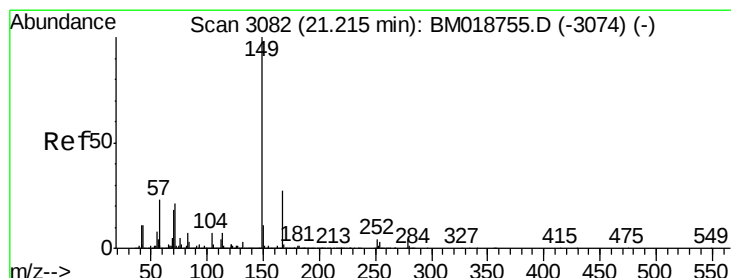
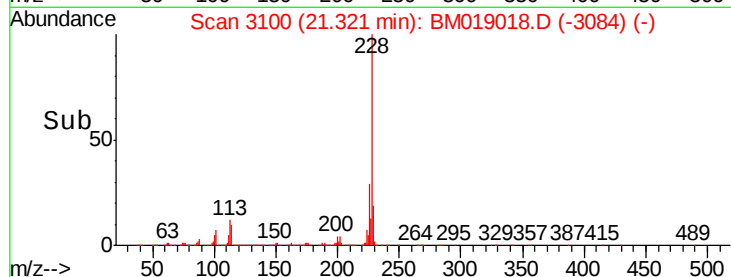
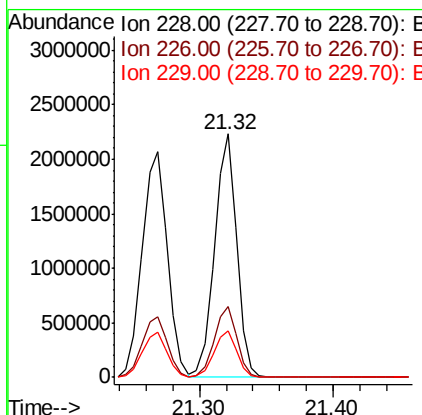
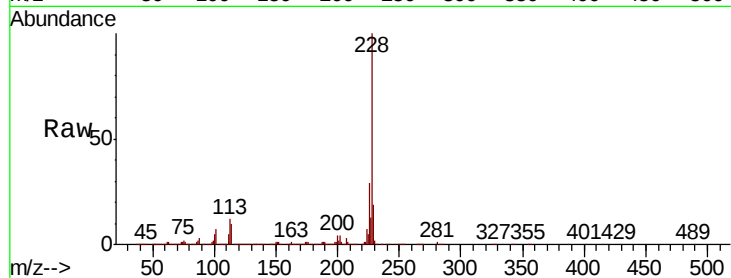
#83
Chrysene
Concen: 41.039 ng
RT: 21.32 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampled :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.1	36.1
229	19.3	16.0	24.0

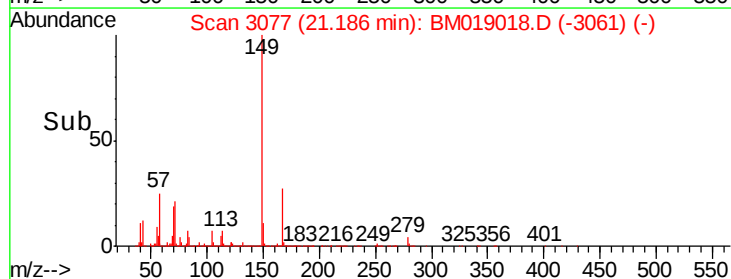
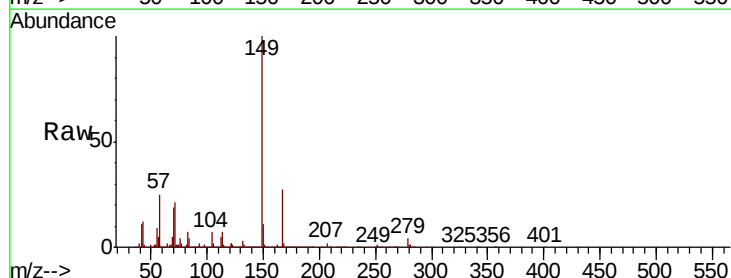
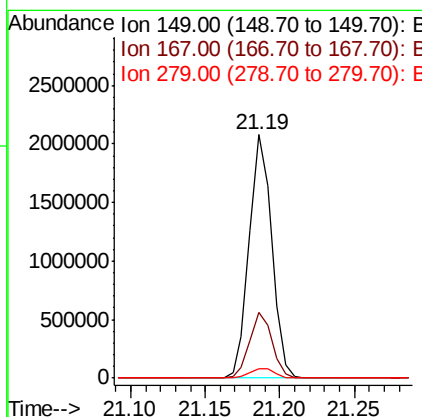
Manual Integrations
APPROVED

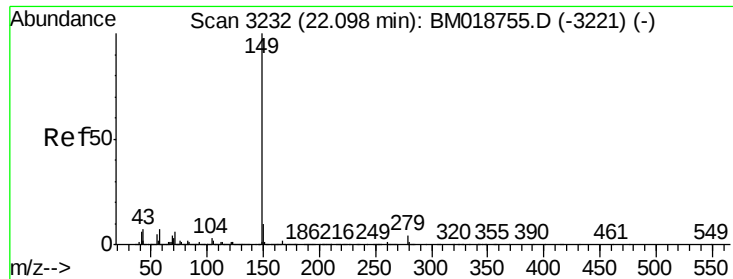
Sohil
3/5/2019 5:23:51 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.297 ng
RT: 21.19 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.6
279	4.1	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 46.671 ng

RT: 22.07 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Instrument :

BNA_M

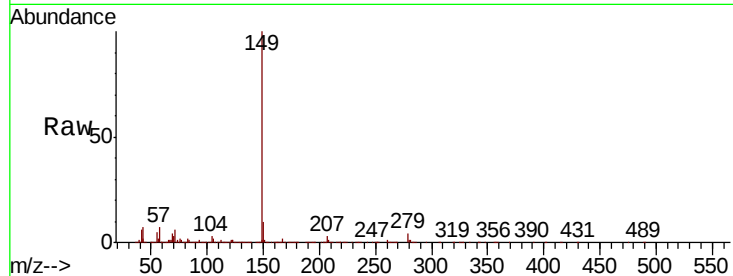
ClientSampleId :

Z-2-4MS

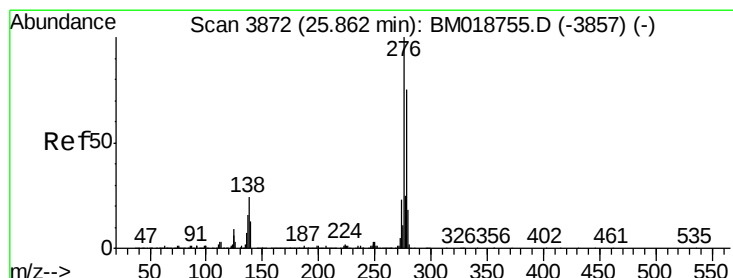
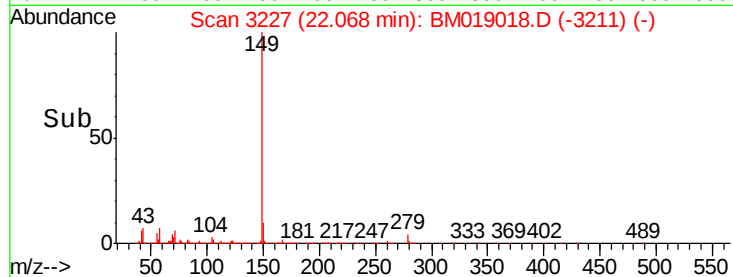
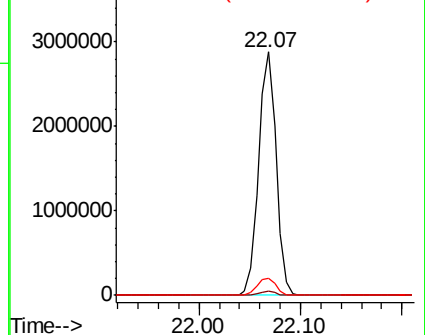
Tot Ion:	149	Resp:	3448493
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	7.5	6.0	9.0

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.313 ng

RT: 25.80 min Scan# 3862

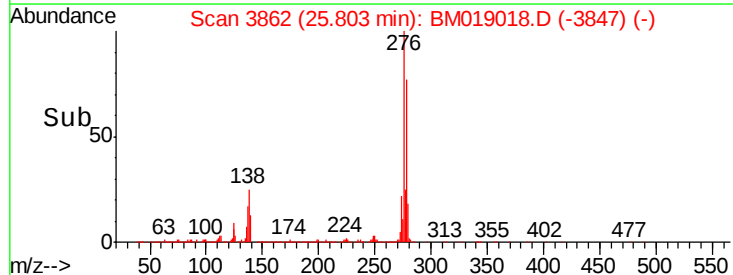
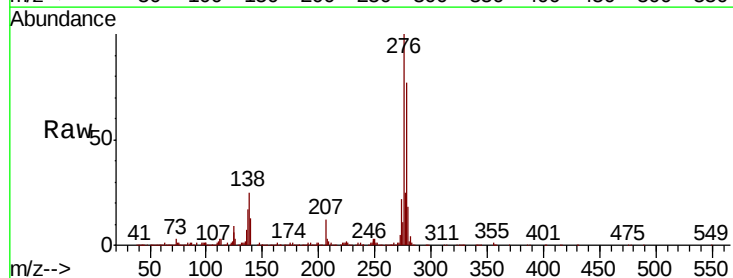
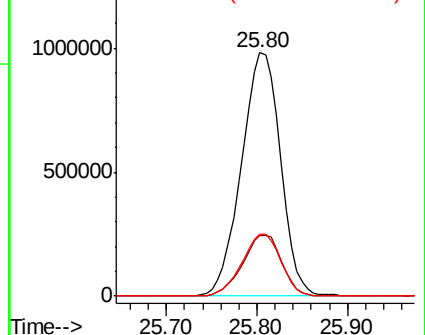
Delta R.T. -0.01 min

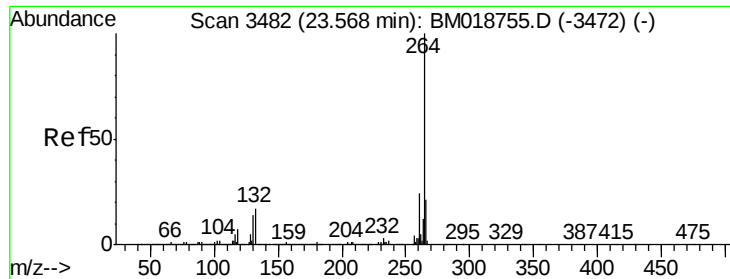
Lab File: BM019018.D

Acq: 04 Mar 2019 20:17

Tgt Ion:	276	Resp:	2951084
Ion Ratio	Lower	Upper	
276	100		
138	25.2	20.2	30.4
277	25.4	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





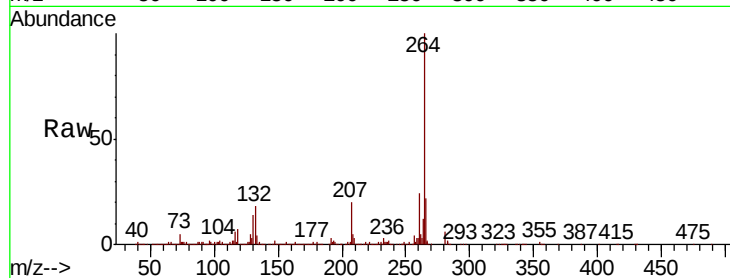
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.53 min Scan# 3475
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Instrument :
 BNA_M
 ClientSampled :
 Z-2-4MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.1	17.3	25.9

Manual Integrations
 APPROVED

Sohil
 3/5/2019 5:23:51 PM

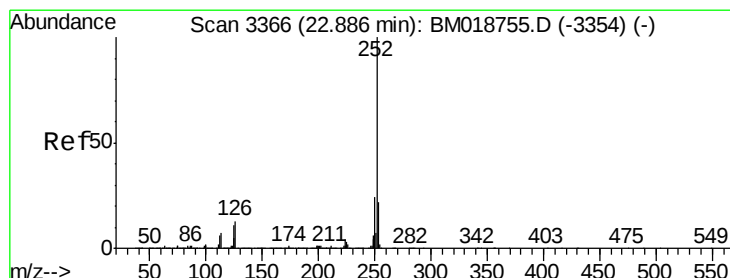
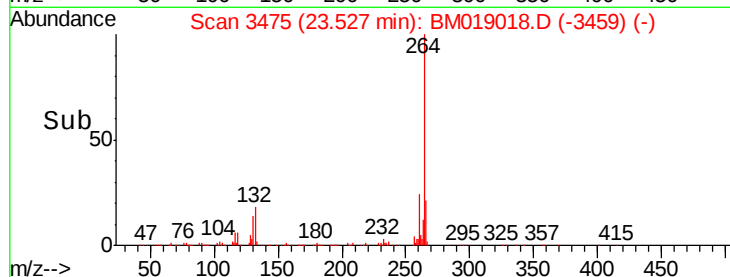
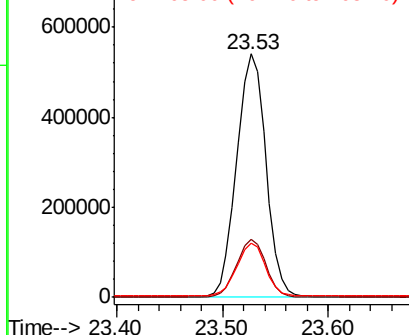


Abundance

Ion 264.00 (263.70 to 264.70): E

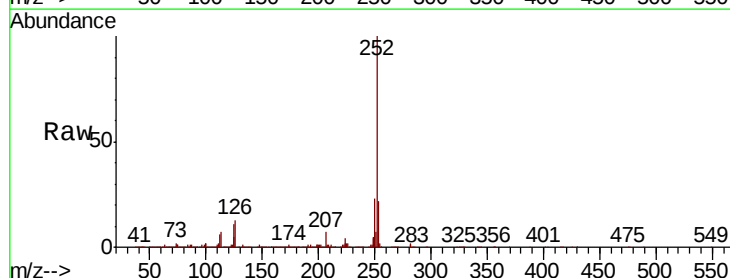
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
 Benzo(b)fluoranthene
 Concen: 43.555 ng
 RT: 22.85 min Scan# 3360
 Delta R.T. -0.01 min
 Lab File: BM019018.D
 Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.7	8.6	12.8

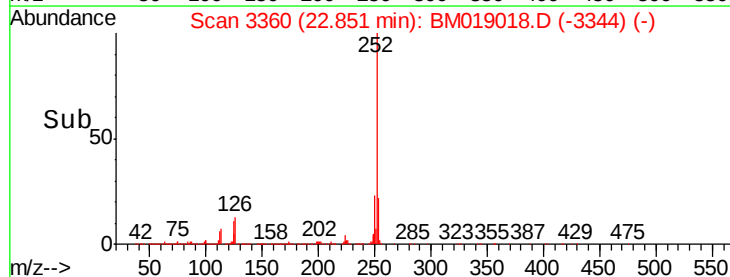
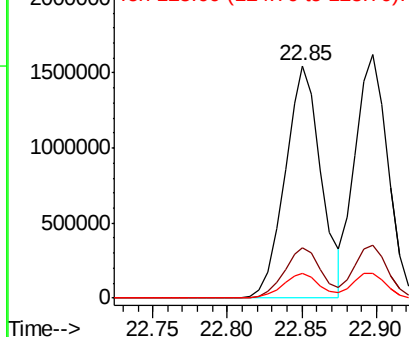


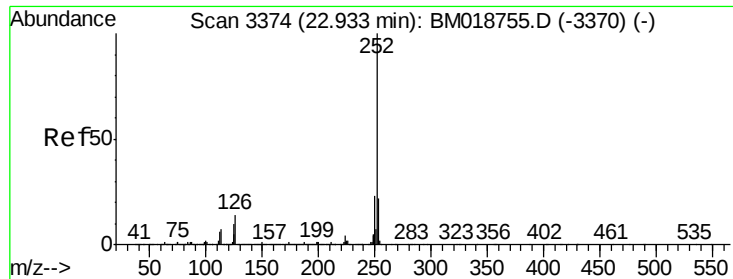
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





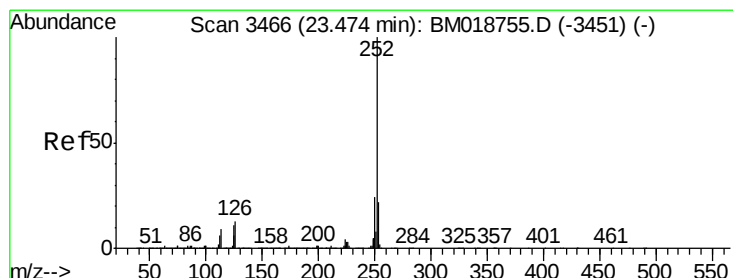
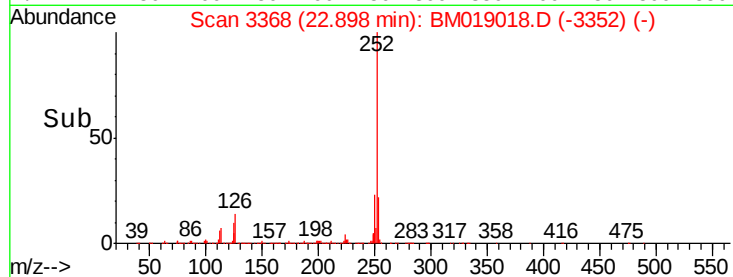
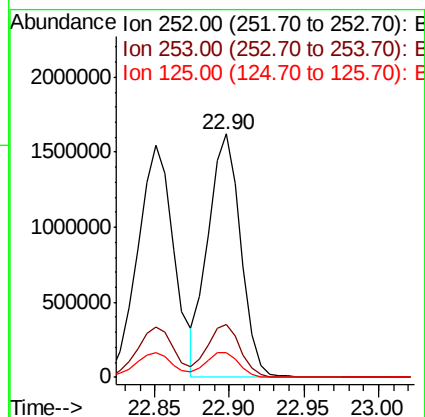
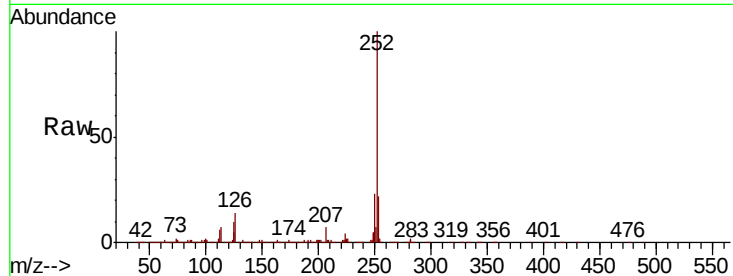
#89
Benzo(k)fluoranthene
Concen: 41.346 ng
RT: 22.90 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.3	8.2	12.4

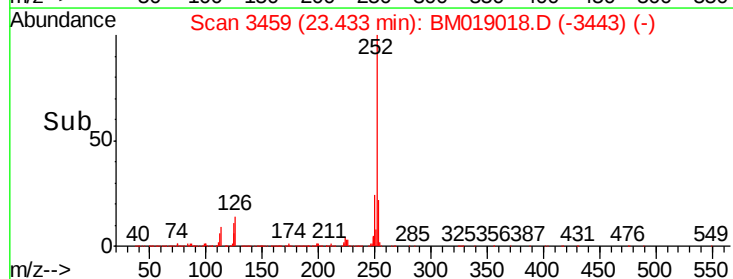
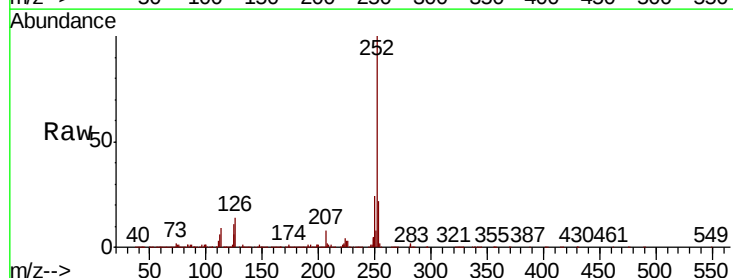
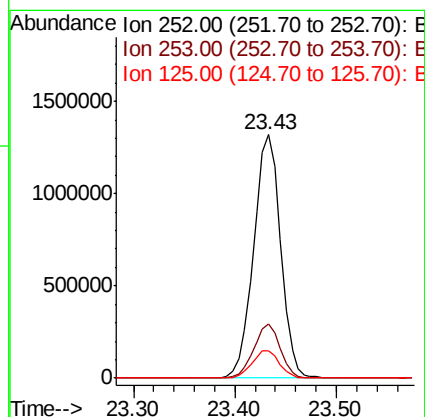
Manual Integrations
APPROVED

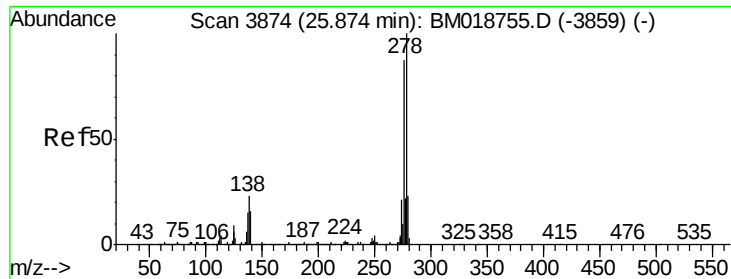
Sohil
3/5/2019 5:23:51 PM



#90
Benzo(a)pyrene
Concen: 42.913 ng
RT: 23.43 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.4	8.6	13.0





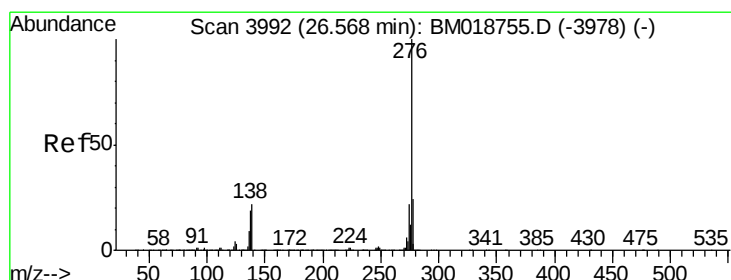
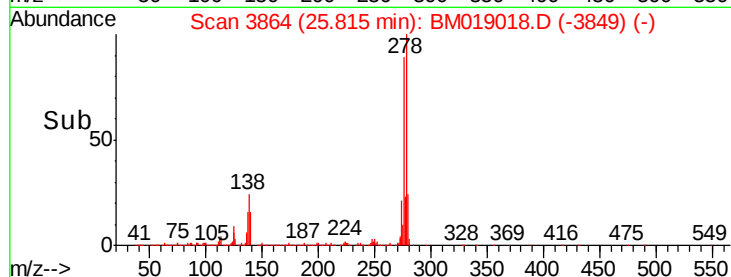
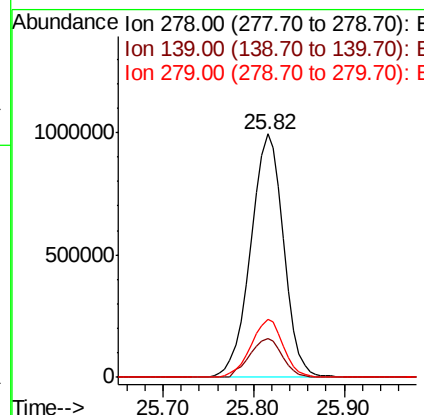
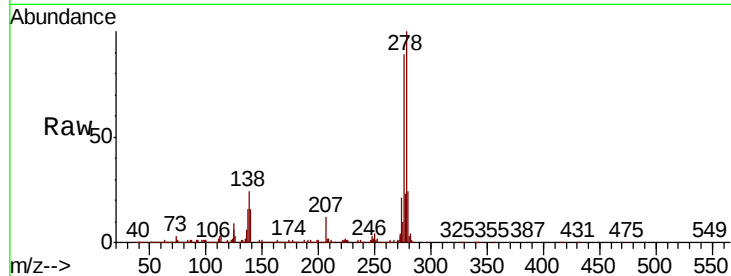
#91
Dibenzo(a,h)anthracene
Concen: 44.907 ng
RT: 25.82 min Scan# 3864
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Instrument :
BNA_M
ClientSampleId :
Z-2-4MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	18.8
279	23.6	18.6	28.0

Manual Integrations
APPROVED

Sohil
3/5/2019 5:23:51 PM



#92
Benzo(g,h,i)perylene
Concen: 46.076 ng
RT: 26.50 min Scan# 3981
Delta R.T. -0.01 min
Lab File: BM019018.D
Acq: 04 Mar 2019 20:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.0	17.3	25.9

