

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011419\
 Data File : BM018557.D
 Acq On : 14 Jan 2019 18:35
 Operator : JU/SJ
 Sample : K1131-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Manual Integrations
 APPROVED

Sohil
 1/15/2019 12:20:10 PM

Quant Time: Jan 14 23:45:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	243247	20.00	ng	-0.01
21) Naphthalene-d8	10.55	136	1068904	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	651542	20.00	ng	0.00
64) Phenanthrene-d10	17.15	188	1561258	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1763285	20.00	ng	0.00
87) Perylene-d12	23.63	264	1910115	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1646515	124.99	ng	0.00
7) Phenol-d6	6.93	99	2244540	134.15	ng	0.00
23) Nitrobenzene-d5	8.92	82	1331143	72.19	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	1052035	126.81	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	3541312	70.92	ng	0.00
79) Terphenyl-d14	19.79	244	5940842	71.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.28	88	137817	25.668	ng	95
3) Pyridine	3.68	79	408999	30.554	ng	96
4) n-Nitrosodimethylamine	3.60	42	225449	40.729	ng	# 94
6) Aniline	7.09	93	444843	23.834	ng	97
8) 2-Chlorophenol	7.32	128	642472	41.758	ng	96
9) Benzaldehyde	6.90	77	167628	14.659	ng	99
10) Phenol	6.96	94	783779	46.098	ng	98
11) bis(2-Chloroethyl)ether	7.19	93	497299	37.224	ng	96
12) 1,3-Dichlorobenzene	7.64	146	634571	34.633	ng	99
13) 1,4-Dichlorobenzene	7.79	146	647541	34.868	ng	98
14) 1,2-Dichlorobenzene	8.10	146	629691	35.759	ng	99
15) Benzyl Alcohol	8.00	79	537778	44.500	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.28	45	621253	36.388	ng	96
17) 2-Methylphenol	8.20	107	528646	45.806	ng	98
18) Hexachloroethane	8.82	117	230526	34.815	ng	96
19) n-Nitroso-di-n-propylamine	8.56	70	437163	40.148	ng	93
20) 3+4-Methylphenols	8.53	107	730905	45.876	ng	99
22) Acetophenone	8.58	105	882301	33.367	ng	# 98
24) Nitrobenzene	8.96	77	640415	35.299	ng	97
25) Isophorone	9.48	82	1210847	43.367	ng	97
26) 2-Nitrophenol	9.67	139	362438	41.315	ng	95
27) 2,4-Dimethylphenol	9.72	122	592761	45.081	ng	98
28) bis(2-Chloroethoxy)methane	9.96	93	738353	38.280	ng	99
29) 2,4-Dichlorophenol	10.20	162	664933	42.468	ng	95
30) 1,2,4-Trichlorobenzene	10.40	180	658524	33.885	ng	100
31) Naphthalene	10.60	128	1948401	37.849	ng	100
32) Benzoic acid	9.82	122	117166m	17.944	ng	
33) 4-Chloroaniline	10.72	127	348539	17.192	ng	99
34) Hexachlorobutadiene	10.86	225	390968	31.844	ng	100
35) Caprolactam	11.52	113	217238m	40.809	ng	
36) 4-Chloro-3-methylphenol	11.85	107	711499	43.314	ng	99
37) 2-Methylnaphthalene	12.21	142	1495274	41.111	ng	100
38) 1-Methylnaphthalene	12.43	142	1430006	40.634	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.58	216	777000	34.103	ng	99

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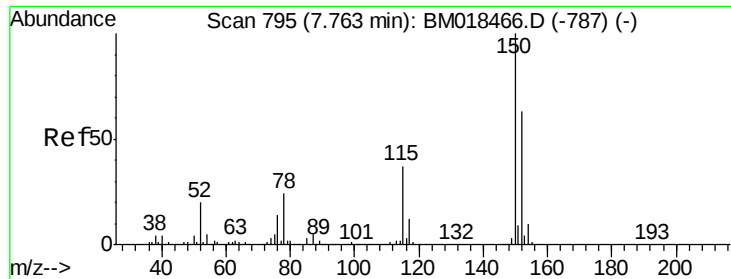
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.55	237	835977	66.854	nq	99
43) 2,4,6-Trichlorophenol	12.83	196	567095	40.987	nq	100
44) 2,4,5-Trichlorophenol	12.90	196	609652	41.897	nq	97
46) 1,1'-Biphenyl	13.23	154	1951986	34.312	nq	98
47) 2-Chloronaphthalene	13.27	162	1512290	34.280	nq	99
48) 2-Nitroaniline	13.49	65	438739	40.424	nq	94
49) Acenaphthylene	14.13	152	2524791	39.272	nq	100
50) Dimethylphthalate	13.87	163	3050741	57.013	nq	99
51) 2,6-Dinitrotoluene	13.99	165	449720	39.677	nq	94
52) Acenaphthene	14.47	154	1449311	36.844	nq	98
53) 3-Nitroaniline	14.32	138	293883	25.718	nq	98
54) 2,4-Dinitrophenol	14.53	184	349051	58.967	nq	94
55) Dibenzofuran	14.80	168	2362926	36.355	nq	99
56) 4-Nitrophenol	14.65	139	847062	85.806	nq	94
57) 2,4-Dinitrotoluene	14.78	165	640346	39.929	nq	96
58) Fluorene	15.45	166	1953744	40.353	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.03	232	556091	43.115	nq	98
60) Diethylphthalate	15.23	149	2087905	38.652	nq	99
61) 4-Chlorophenyl-phenylether	15.45	204	979900	35.115	nq	98
62) 4-Nitroaniline	15.49	138	464850	37.295	nq	99
63) Azobenzene	15.74	77	1645378	37.359	nq	98
65) 4,6-Dinitro-2-methylphenol	15.54	198	353783	36.950	nq	87
66) n-Nitrosodiphenylamine	15.67	169	1743428	35.999	nq	100
67) 4-Bromophenyl-phenylether	16.34	248	615524	35.230	nq	98
68) Hexachlorobenzene	16.44	284	678589	34.694	nq	99
69) Atrazine	16.62	200	669767	38.255	nq	98
70) Pentachlorophenol	16.80	266	874057	68.234	nq	99
71) Phenanthrene	17.20	178	3170118	38.174	nq	100
72) Anthracene	17.29	178	3251785	40.721	nq	100
73) Carbazole	17.56	167	2976794	36.284	nq	100
74) Di-n-butylphthalate	18.12	149	3660411	40.731	nq	99
75) Fluoranthene	19.22	202	3874229	40.465	nq	98
77) Benzidine	19.41	184	1777366	40.823	nq	100
78) Pyrene	19.58	202	3995117	38.224	nq	100
80) Butylbenzylphthalate	20.48	149	1790420	40.145	nq	98
81) Benzo(a)anthracene	21.33	228	4064458	39.127	nq	100
82) 3,3'-Dichlorobenzidine	21.27	252	900148	22.916	nq	100
83) Chrysene	21.39	228	3812332	38.006	nq	100
84) Bis(2-ethylhexyl)phthalate	21.25	149	2585293	40.143	nq	99
85) Di-n-octyl phthalate	22.14	149	4607253	42.535	nq	# 95
86) Indeno(1,2,3-cd)pyrene	25.96	276	4964603	42.921	nq	96
88) Benzo(b)fluoranthene	22.94	252	4162531	38.385	nq	98
89) Benzo(k)fluoranthene	22.99	252	4105382	37.566	nq	98
90) Benzo(a)pyrene	23.53	252	4114507	39.632	nq	# 97
91) Dibenzo(a,h)anthracene	25.97	278	4163789	39.583	nq	98
92) Benzo(g,h,i)perylene	26.67	276	4102944	40.081	nq	96

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



#1

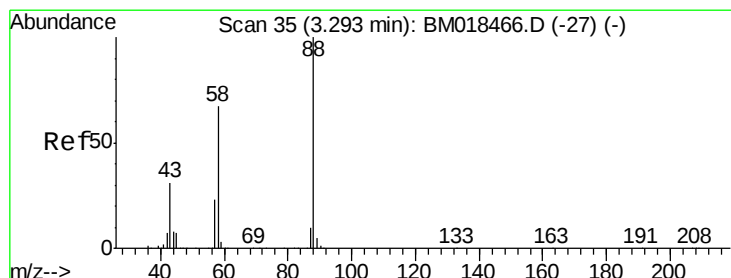
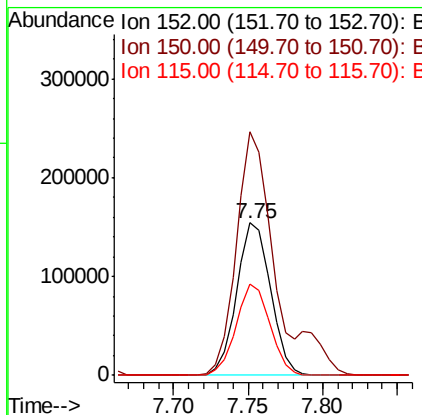
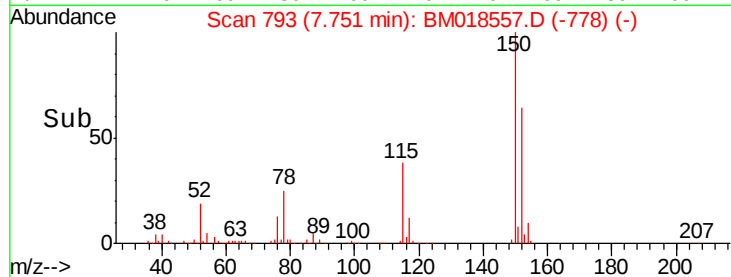
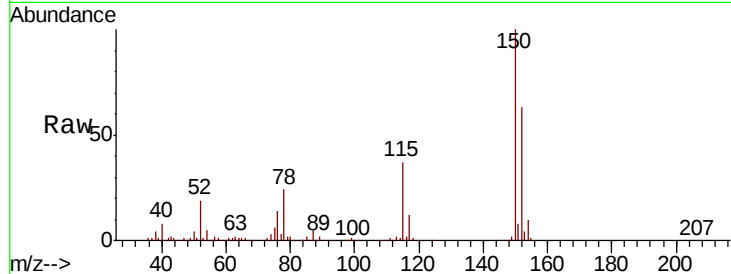
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.9	190.3
115	59.9	45.5	68.3

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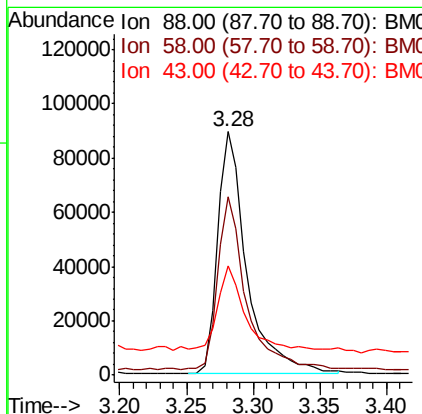
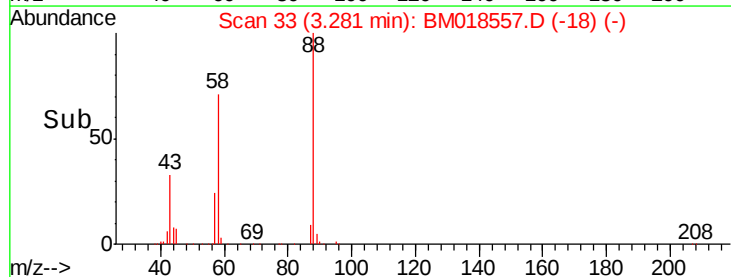
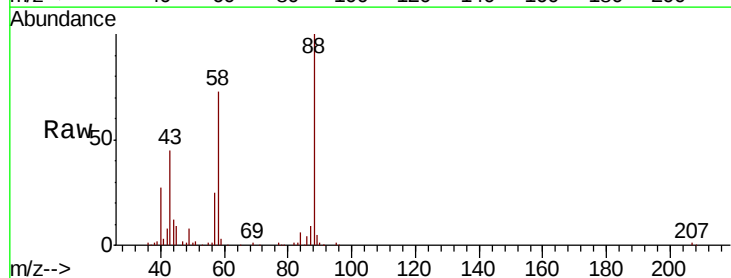
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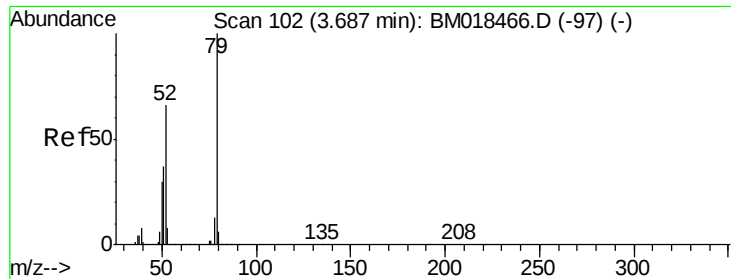


#2

1,4-Dioxane
Concen: 25.668 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.6	58.4	87.6
43	31.1	26.2	39.4





#3

Pvridine

Concen: 30.554 ng

RT: 3.68 min Scan# 100

Delta R.T. -0.04 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

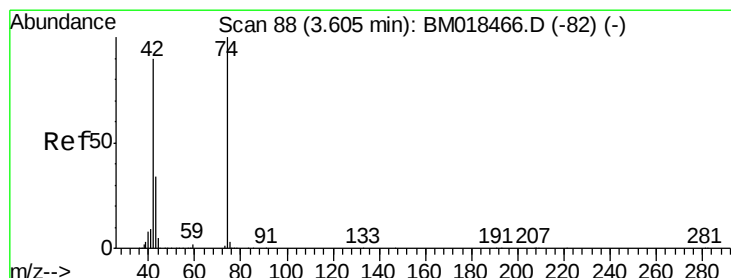
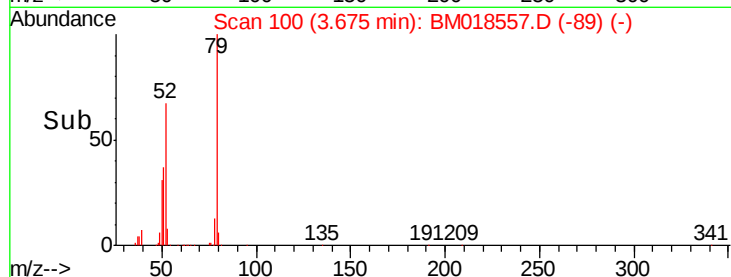
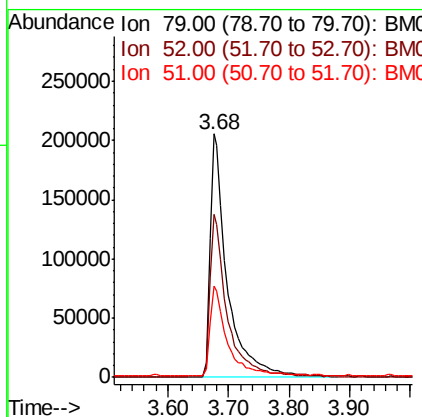
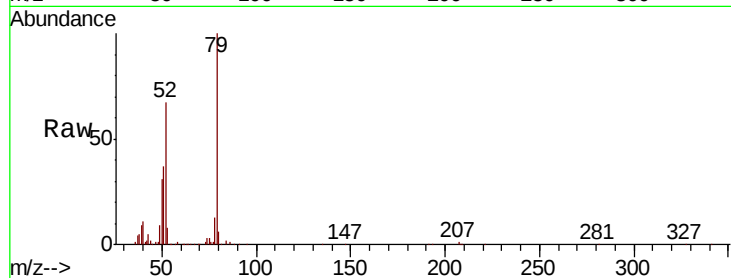
ClientSampleId :

QD-01-011019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		408999		
52	67.0		56.4	84.6	
51	37.4		31.0	46.4	

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#4

n-Nitrosodimethylamine

Concen: 40.729 ng

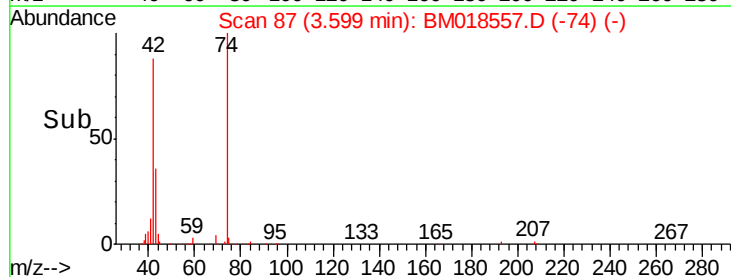
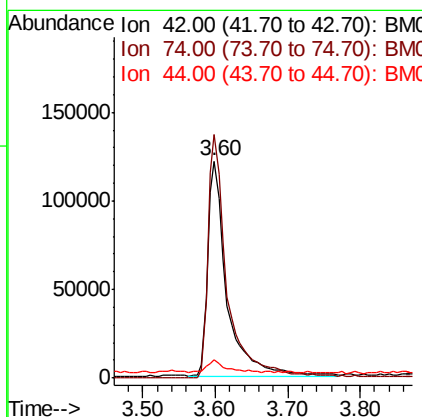
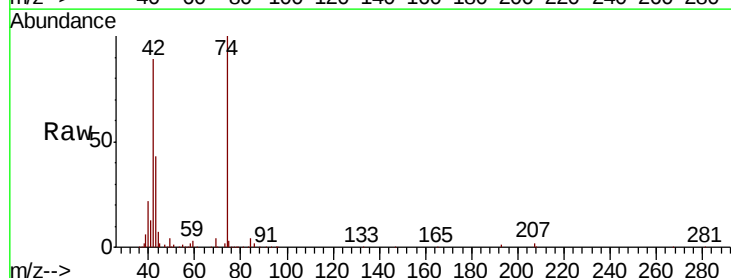
RT: 3.60 min Scan# 87

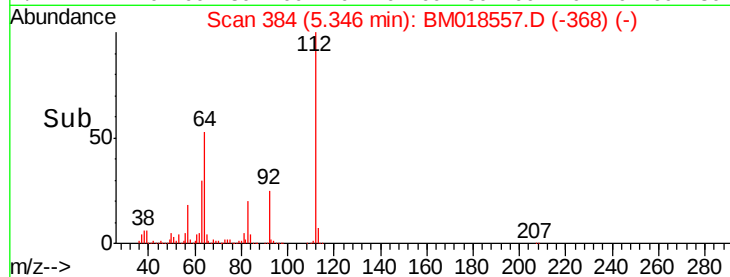
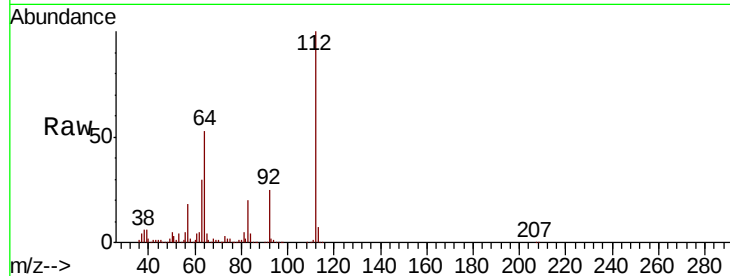
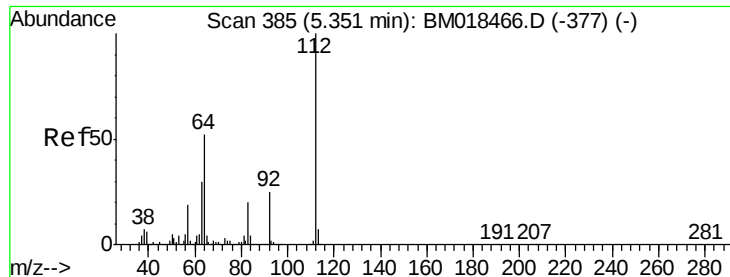
Delta R.T. -0.02 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		225449		
74	112.3		88.6	132.8	
44	8.3		16.9	25.3	





#5

2-Fluorophenol

Concen: 124.987 ng

RT: 5.35 min Scan# 384

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tot Ion:	112	Resp:	1646515
Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.5	69.7
63	29.8	25.2	37.8

Instrument :

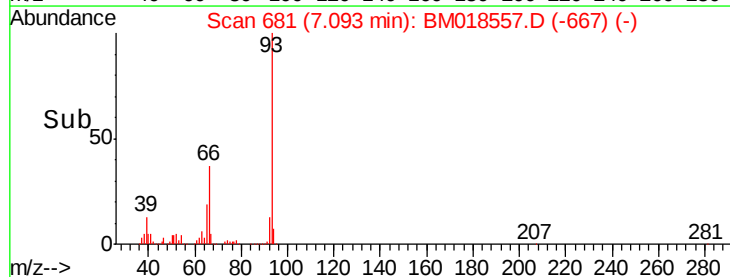
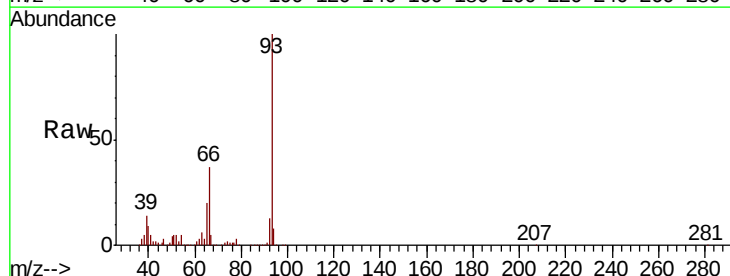
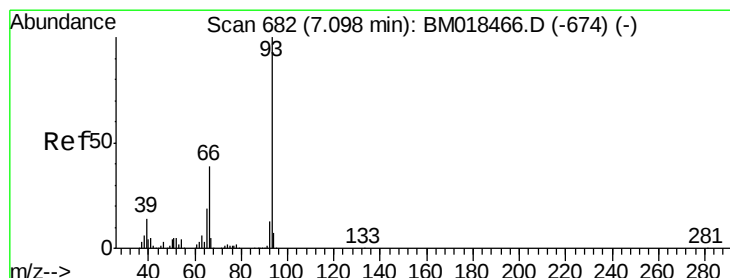
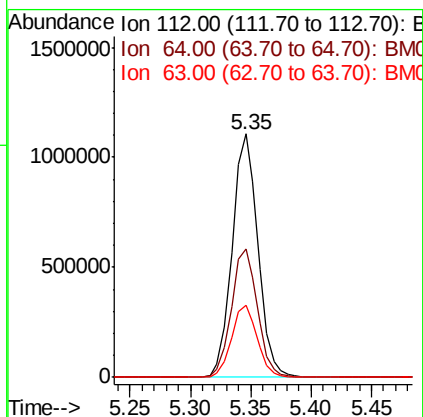
BNA_M

ClientSampleId :

QD-01-011019MSD

Manual Integrations
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#6

Aniline

Concen: 23.834 ng

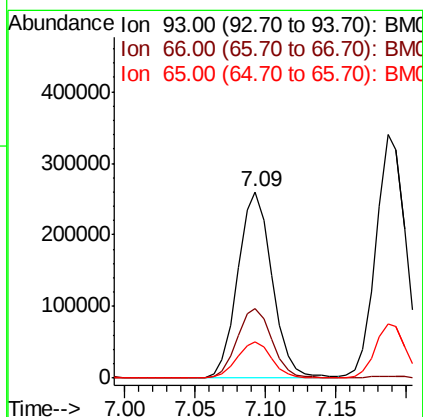
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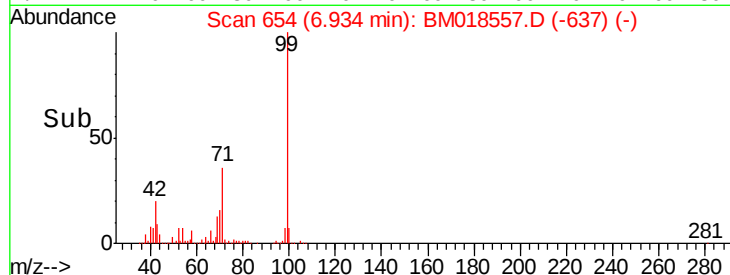
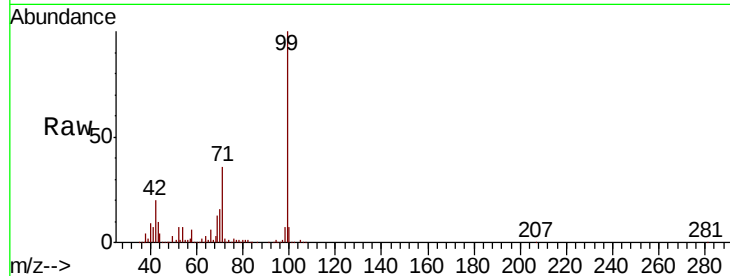
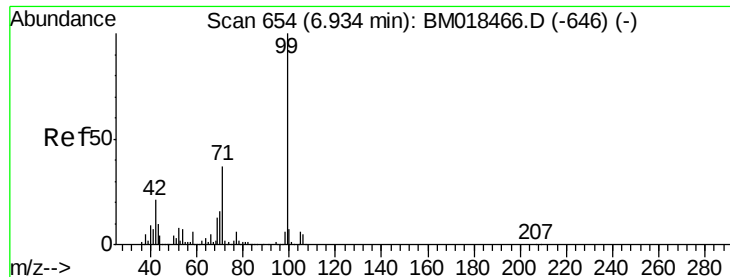
Delta R.T. -0.02 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	93	Resp:	444843
Ion	Ratio	Lower	Upper
93	100		
66	37.3	31.7	47.5
65	19.5	15.9	23.9





#7

Phenol-d6

Concen: 134.148 ng

RT: 6.93 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tot Ion:	99	Resp:	2244540
Ion	Ratio	Lower	Upper
99	100		
42	19.6	17.3	25.9
71	36.3	28.0	42.0

Instrument :

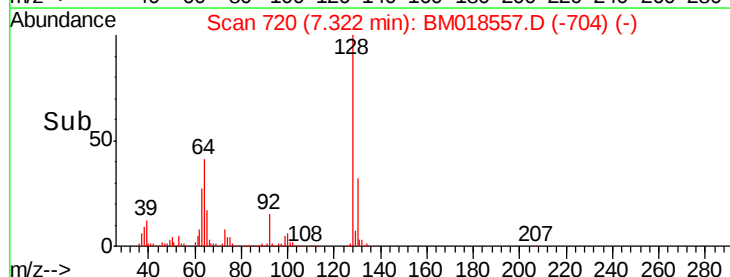
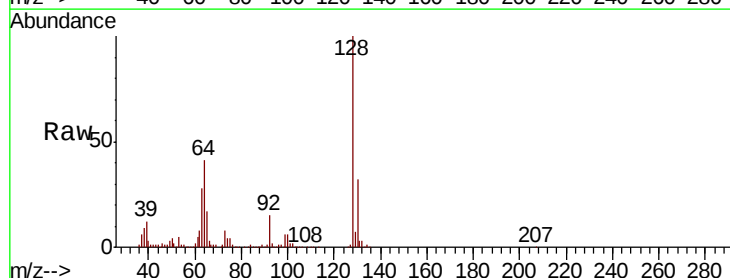
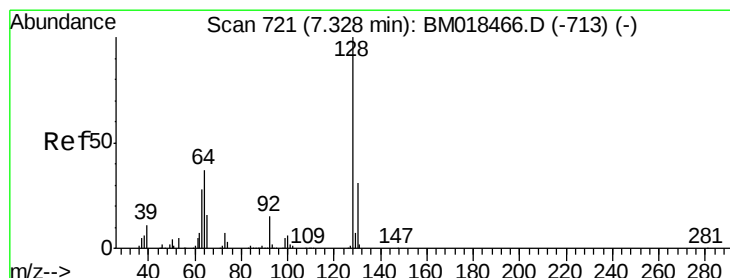
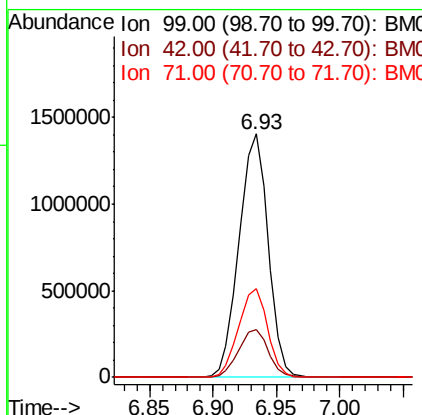
BNA_M

ClientSampled :

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#8

2-Chlorophenol

Concen: 41.758 ng

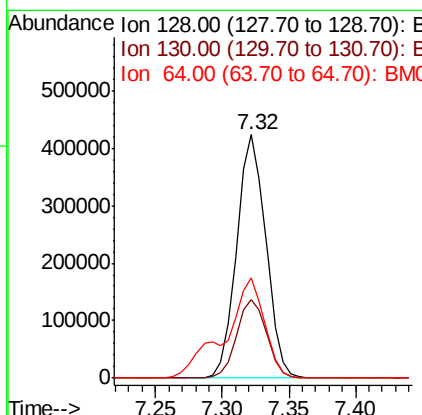
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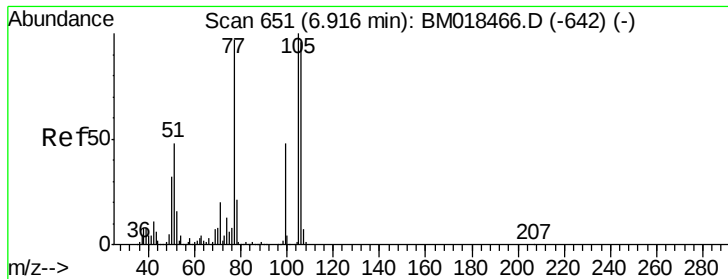
Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	128	Resp:	642472
Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.6	53.6
64	41.2	24.8	64.8





#9

Benzaldehyde

Concen: 14.659 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

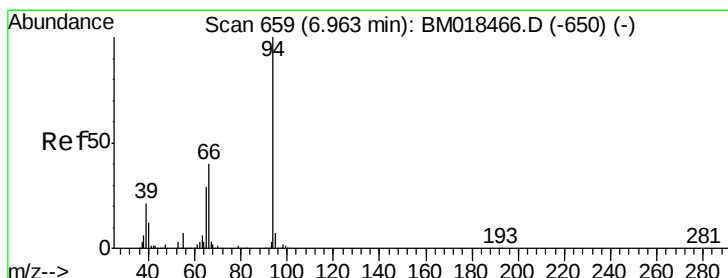
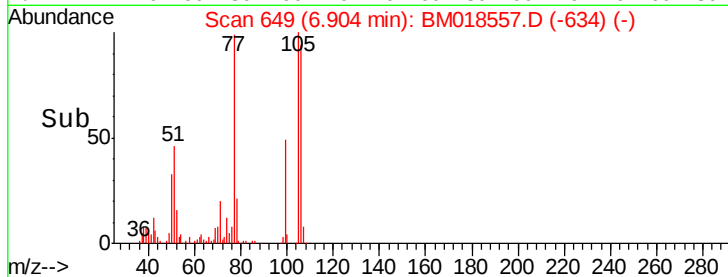
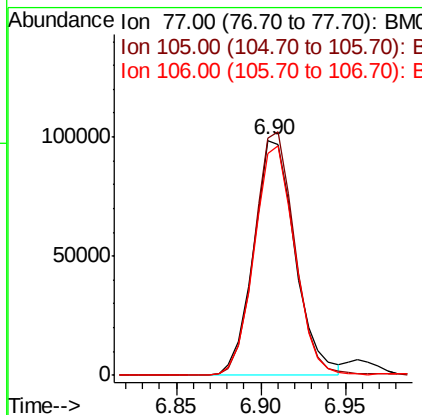
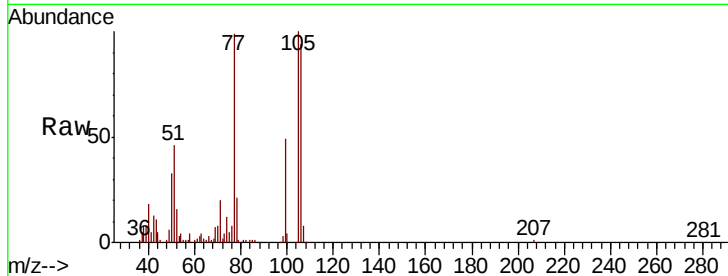
ClientSampleId :

QD-01-011019MSD

Tot Ion:	77	Resp:	167628
Ion Ratio	Lower	Upper	
77	100		
105	101.1	79.7	119.7
106	94.6	75.2	115.2

Manual Integrations
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#10

Phenol

Concen: 46.098 ng

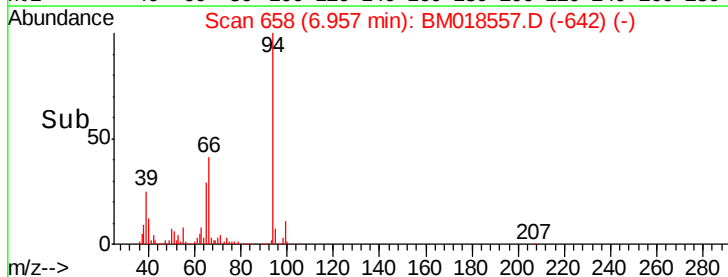
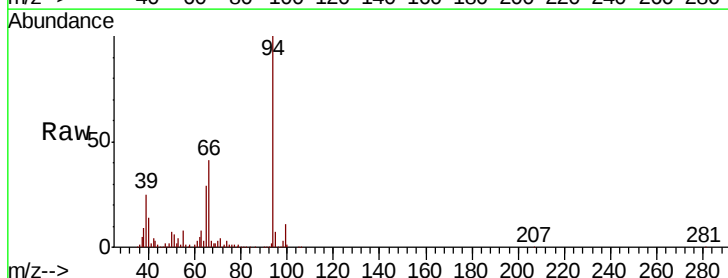
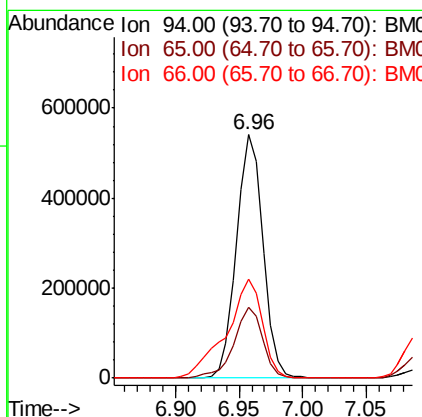
RT: 6.96 min Scan# 658

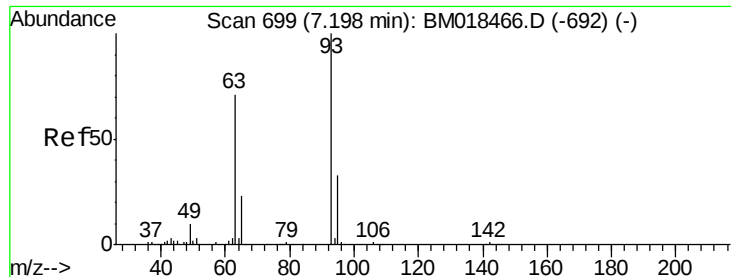
Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	94	Resp:	783779
Ion Ratio	Lower	Upper	
94	100		
65	29.0	9.4	49.4
66	40.8	19.1	59.1





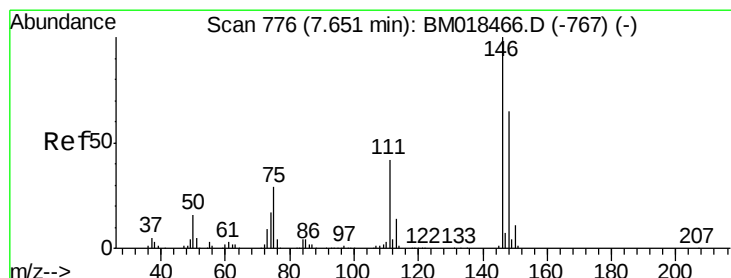
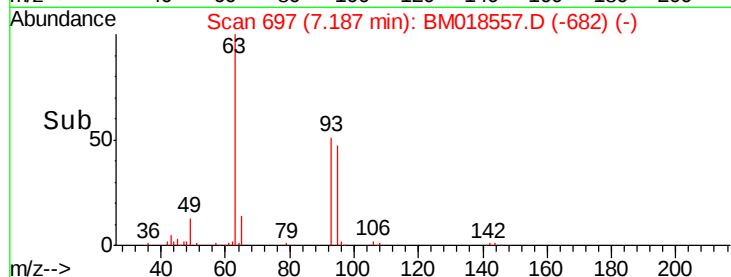
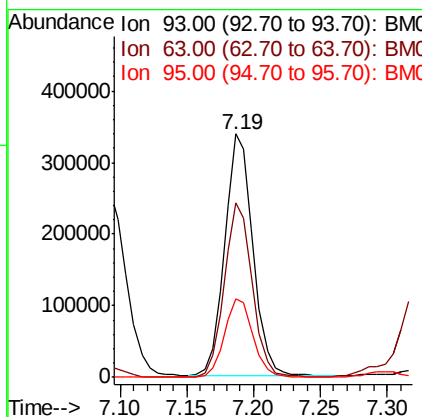
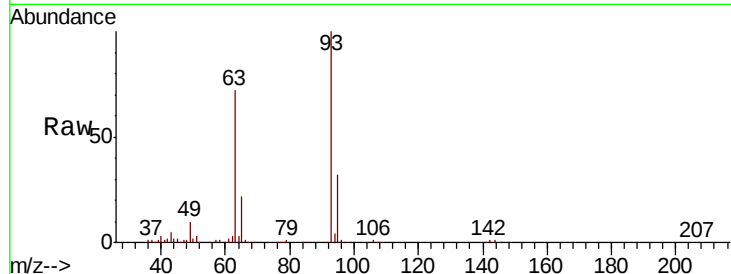
#11
bis(2-Chloroethyl)ether
Concen: 37.224 ng
RT: 7.19 min Scan# 697
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	93	Resp	497299
Ion Ratio	Lower	Upper	
93	100		
63	71.5	56.4	96.4
95	32.3	12.7	52.7

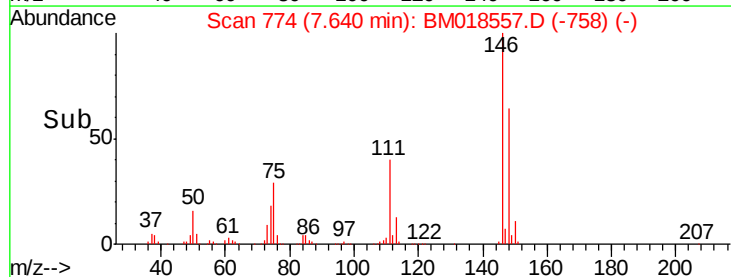
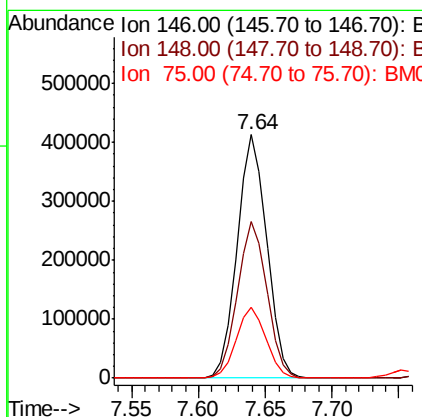
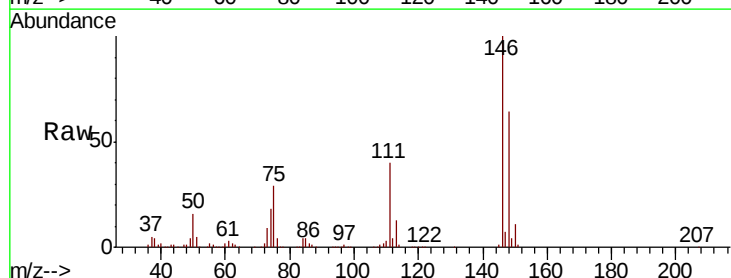
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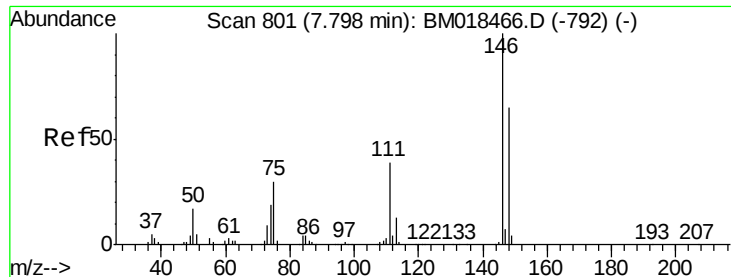
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#12
1,3-Dichlorobenzene
Concen: 34.633 ng
RT: 7.64 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	146	Resp	634571
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.5	75.7
75	29.0	23.0	34.6





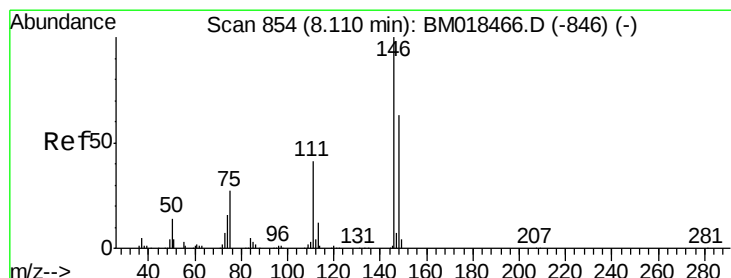
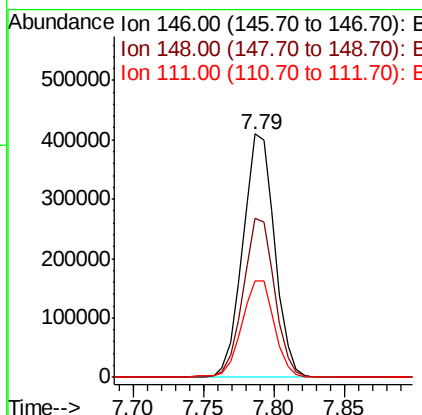
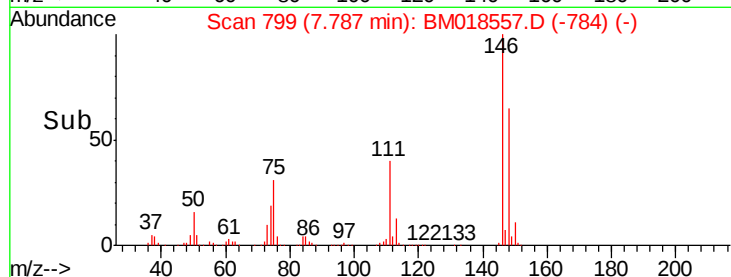
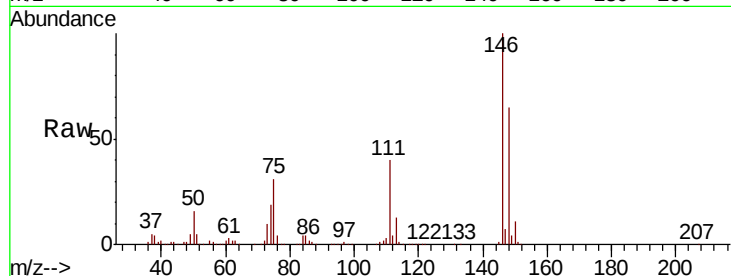
#13
1,4-Dichlorobenzene
Concen: 34.868 ng
RT: 7.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.8	76.2
111	39.7	32.2	48.2

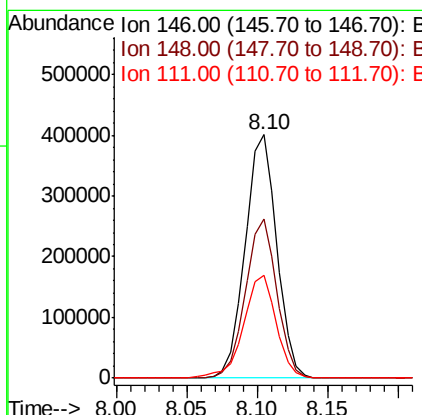
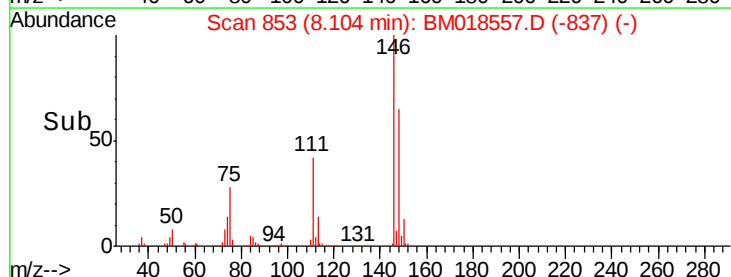
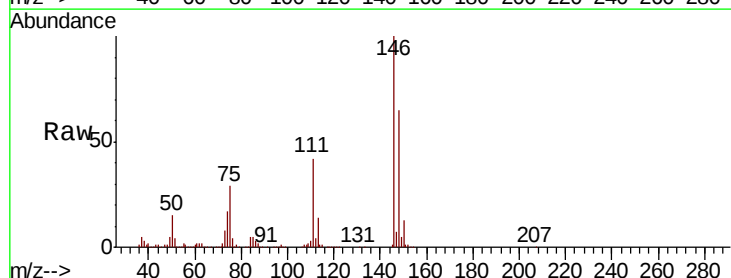
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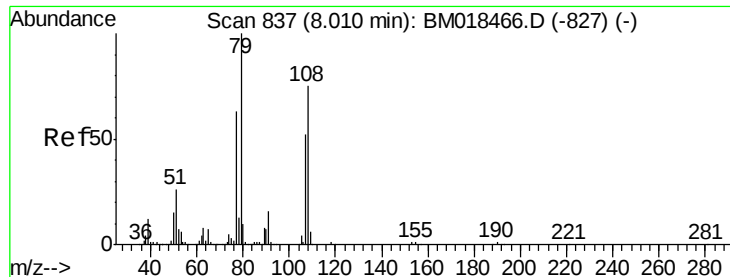
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#14
1,2-Dichlorobenzene
Concen: 35.759 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.0	76.6
111	42.1	33.8	50.6





#15

Benzyl Alcohol

Concen: 44.500 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

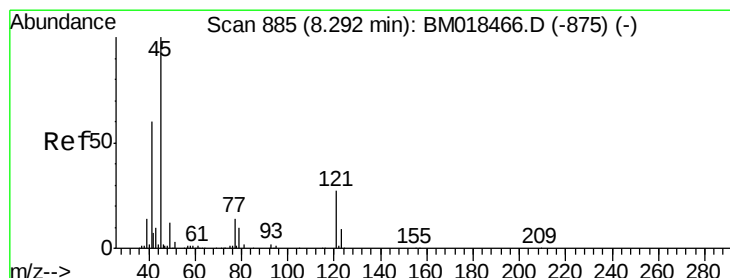
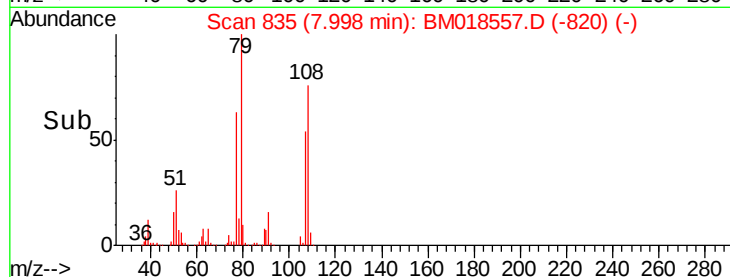
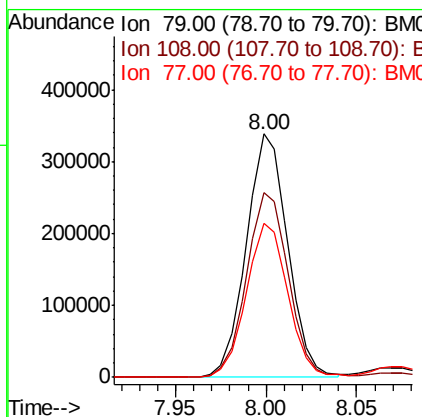
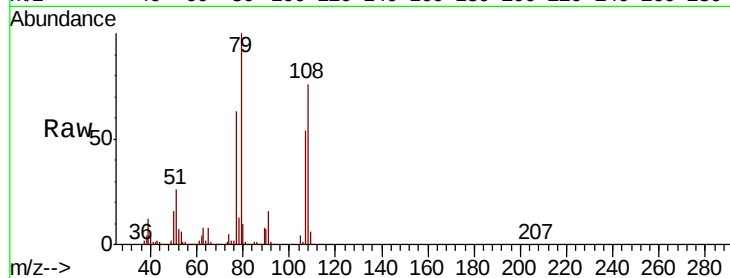
ClientSampleId :

QD-01-011019MSD

Tot Ion:	79	Resp:	537778
Ion Ratio	Lower	Upper	
79	100		
108	75.8	60.4	90.6
77	63.1	53.4	80.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.388 ng

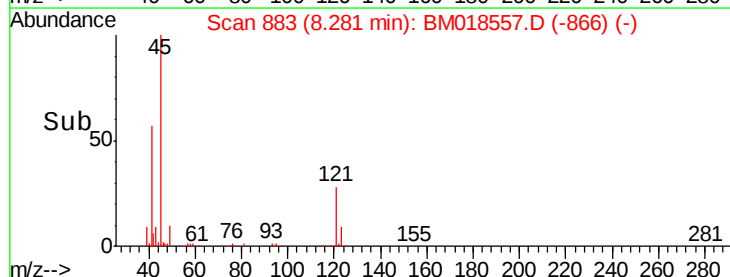
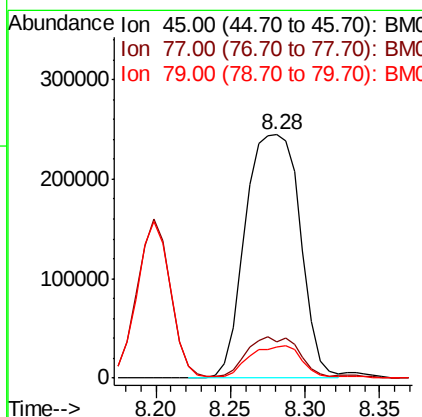
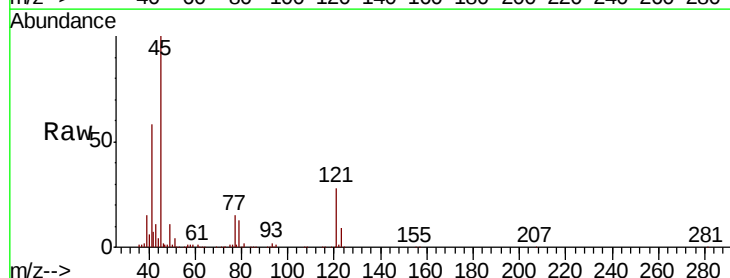
RT: 8.28 min Scan# 883

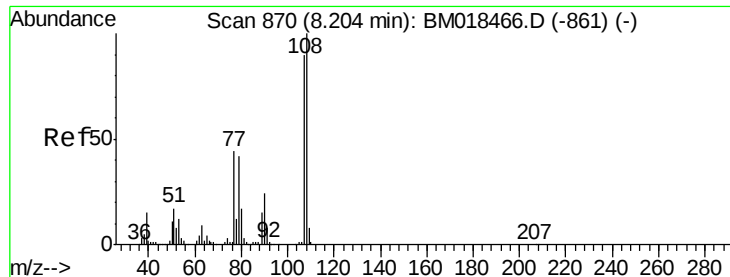
Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	45	Resp:	621253
Ion Ratio	Lower	Upper	
45	100		
77	15.1	0.0	33.4
79	12.7	0.0	31.1





#17

2-Methylphenol

Concen: 45.806 ng

RT: 8.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

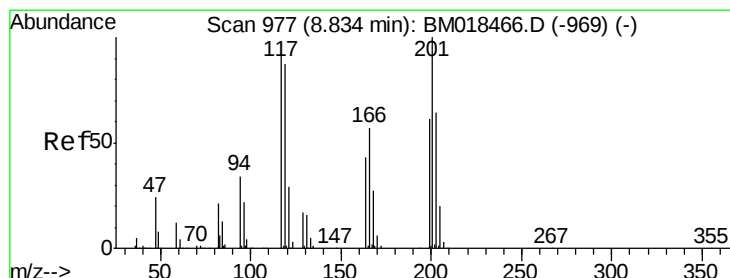
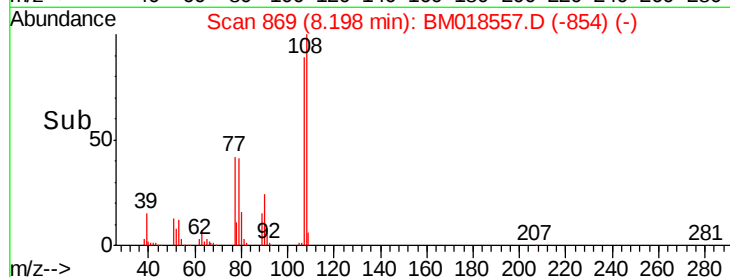
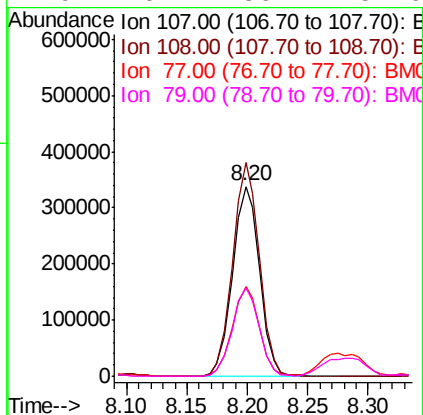
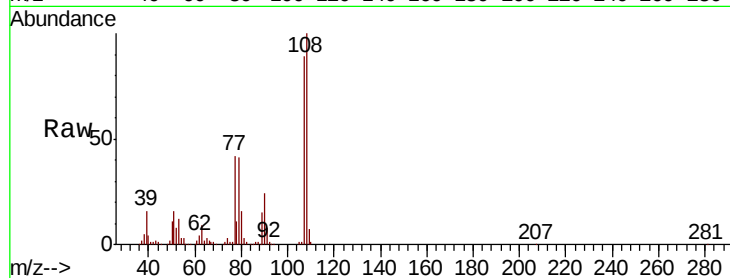
ClientSampleId :

QD-01-011019MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.4	87.5	131.3	
77	47.2	37.3	55.9	
79	46.4	36.4	54.6	

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#18

Hexachloroethane

Concen: 34.815 ng

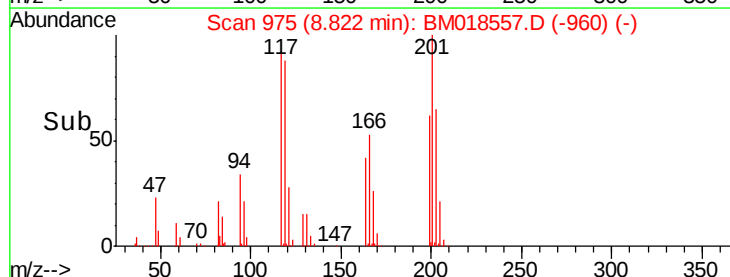
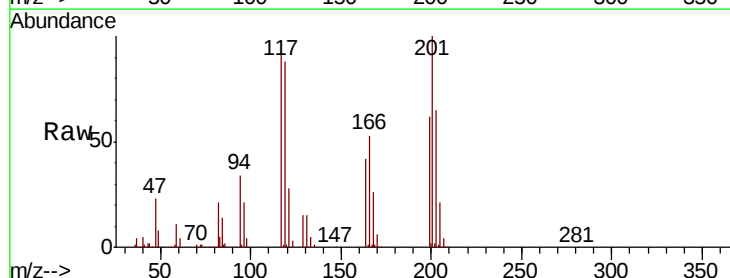
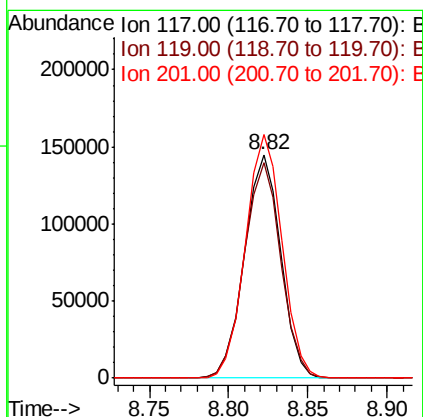
RT: 8.82 min Scan# 975

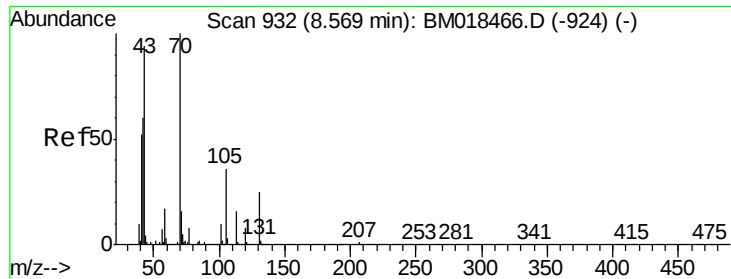
Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.2	78.3	117.5	
201	108.9	81.4	122.0	





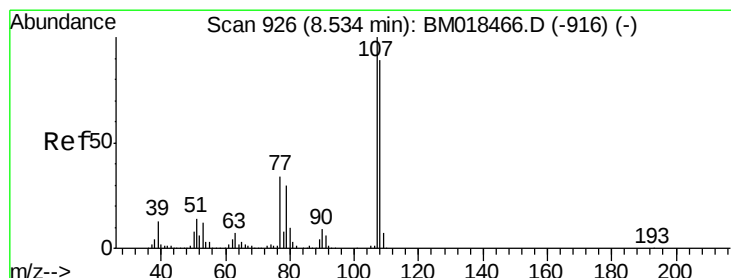
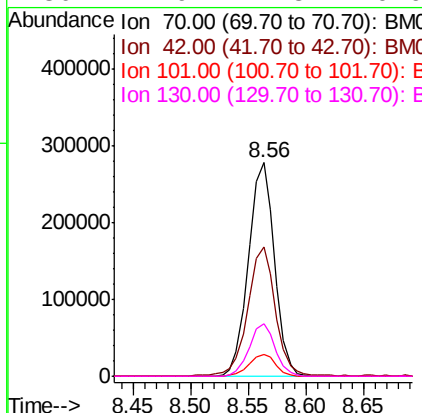
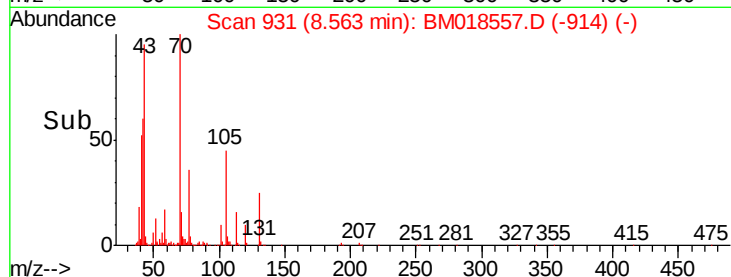
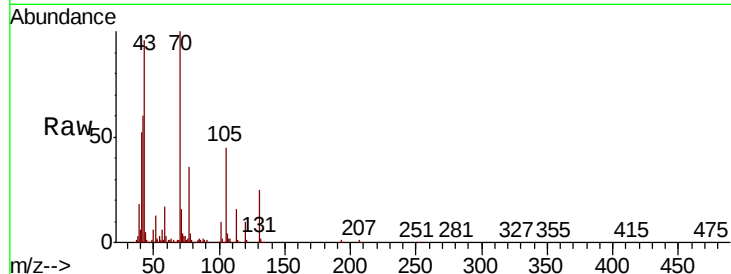
#19
n-Nitroso-di-n-propylamine
Concen: 40.148 ng
RT: 8.56 min Scan# 931
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	60.3	54.0	81.0	
101	10.4	8.1	12.1	
130	24.9	17.8	26.6	

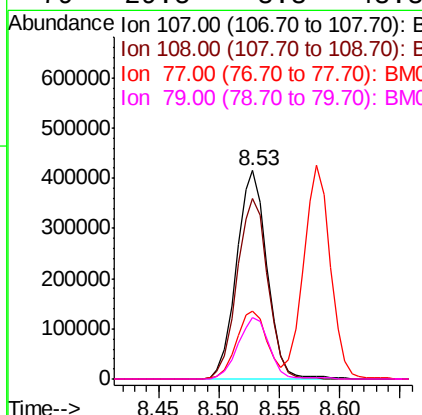
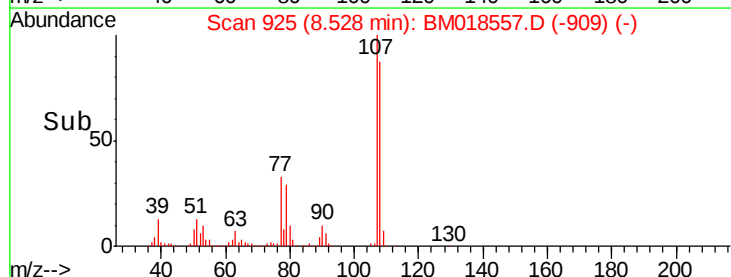
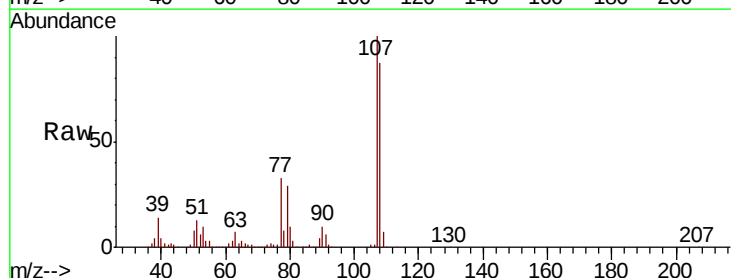
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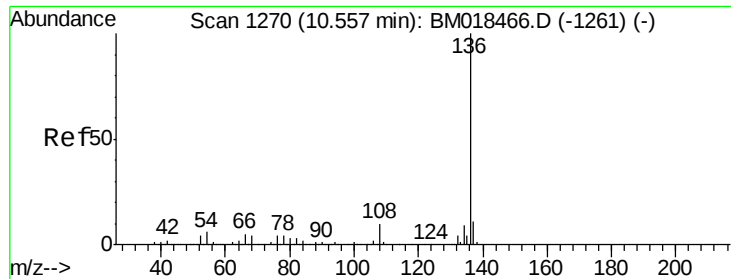
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#20
3+4-Methylphenols
Concen: 45.876 ng
RT: 8.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.0	66.8	106.8	
77	32.7	13.3	53.3	
79	29.5	8.8	48.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

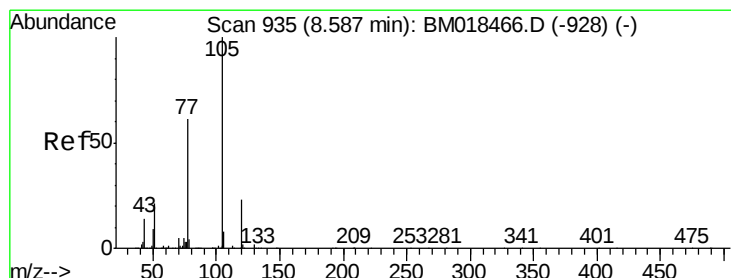
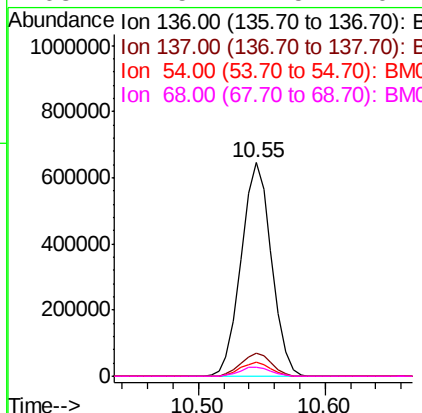
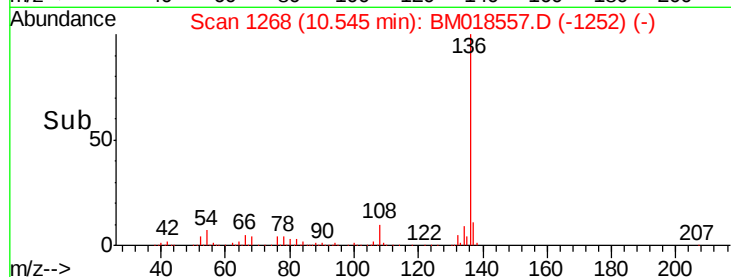
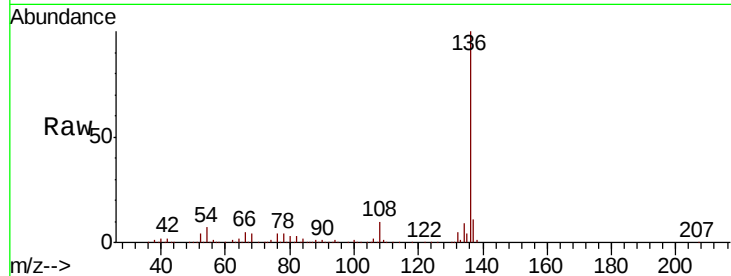
ClientSampleId :

QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.7	6.0	9.0
68	4.5	4.5	6.7

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#22

Acetophenone

Concen: 33.367 ng

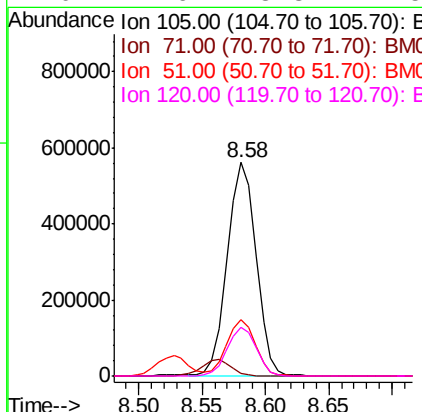
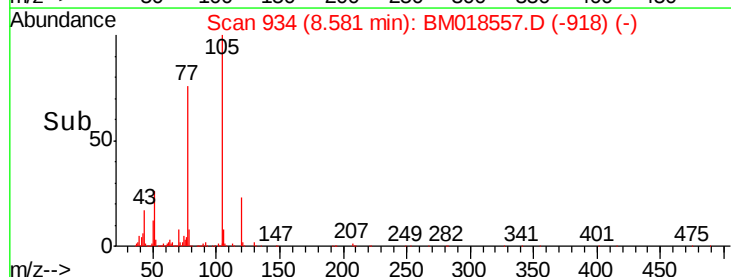
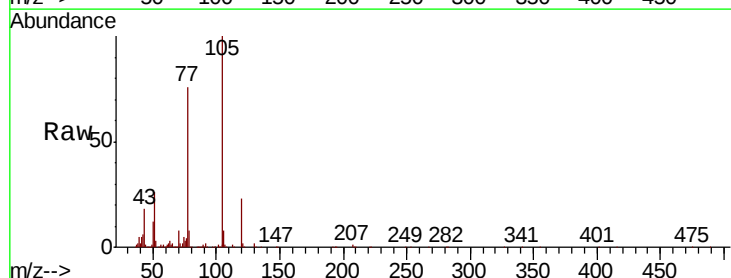
RT: 8.58 min Scan# 934

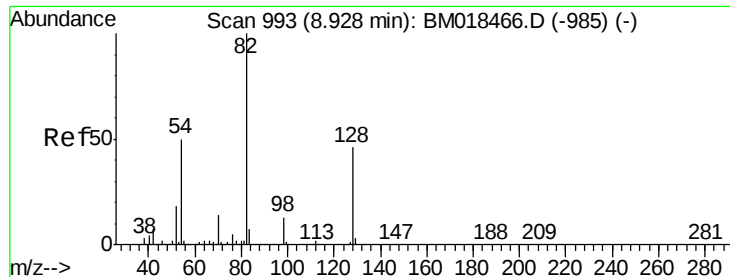
Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.7	2.5#
51	26.3	22.6	34.0
120	22.6	18.3	27.5





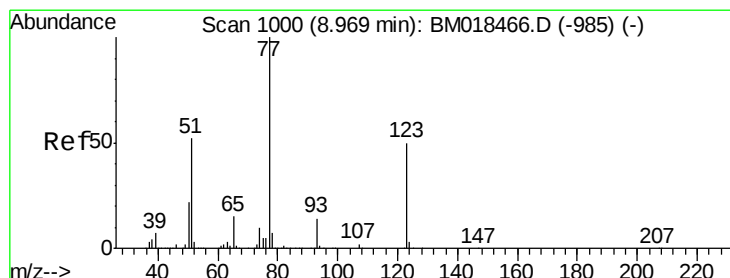
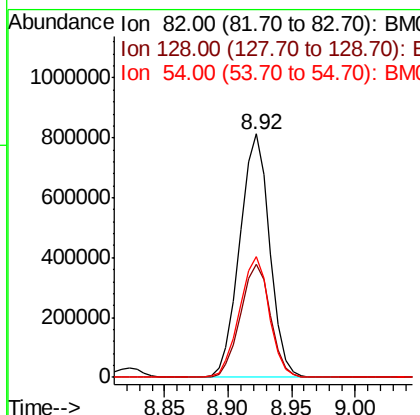
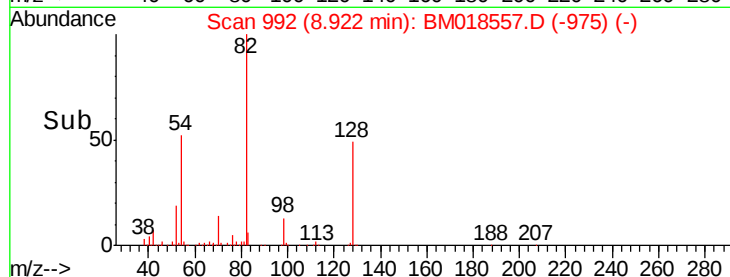
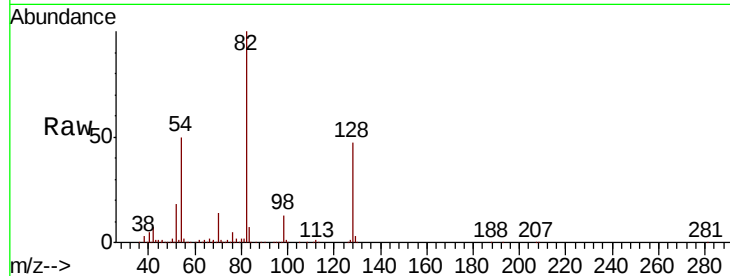
#23
 Nitrobenzene-d5
 Concen: 72.193 ng
 RT: 8.92 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tot Ion	82	Resp	1331143
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.3	54.5
54	49.6	41.7	62.5

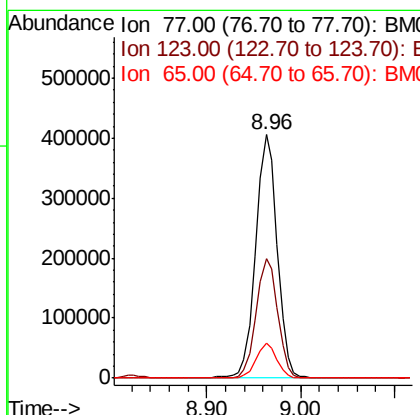
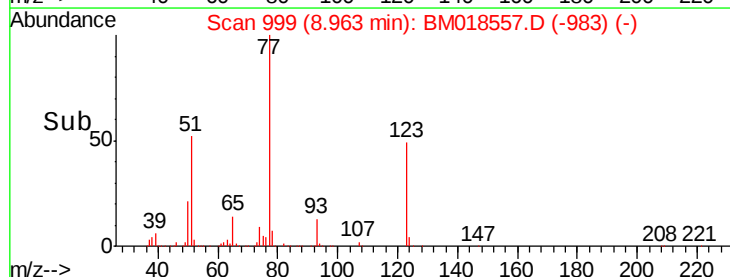
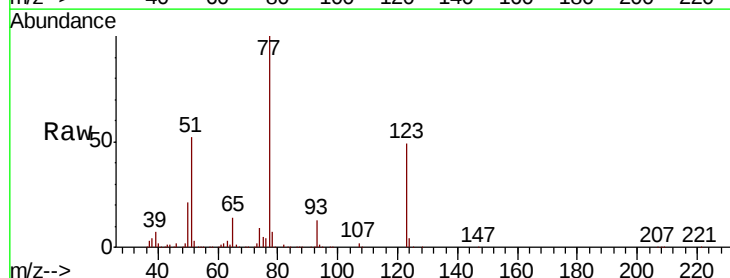
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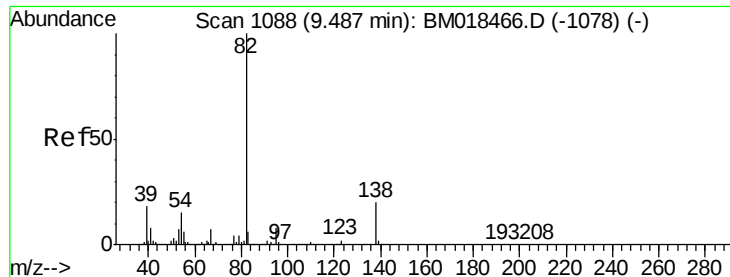
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#24
 Nitrobenzene
 Concen: 35.299 ng
 RT: 8.96 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Tgt Ion	77	Resp	640415
Ion Ratio	Lower	Upper	
77	100		
123	49.3	37.7	56.5
65	14.2	11.0	16.6





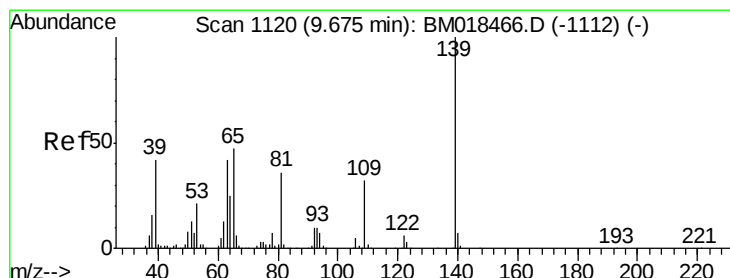
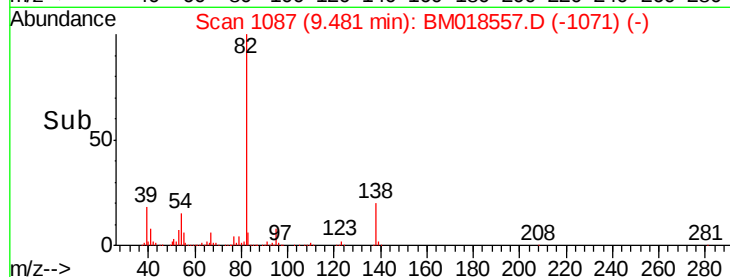
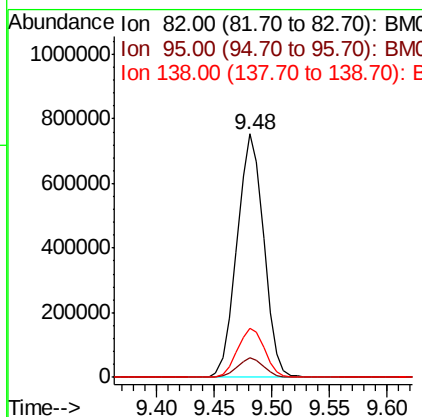
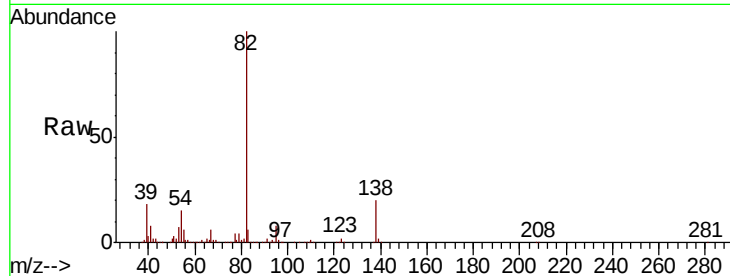
#25
Isophorone
Concen: 43.367 ng
RT: 9.48 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	82	Resp	1210847
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	20.3	15.1	22.7

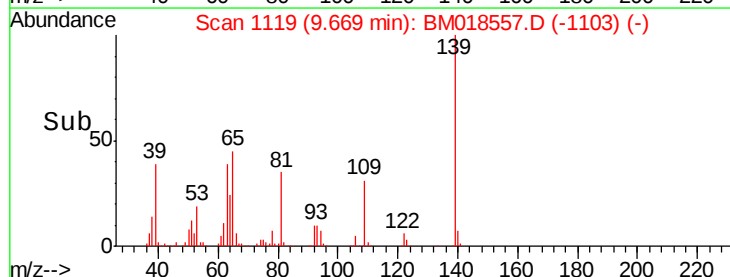
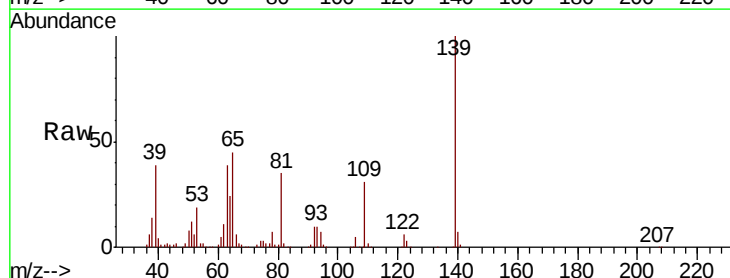
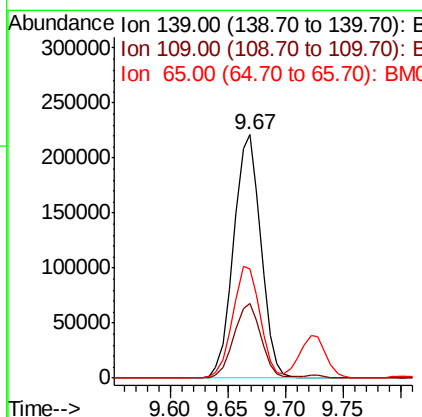
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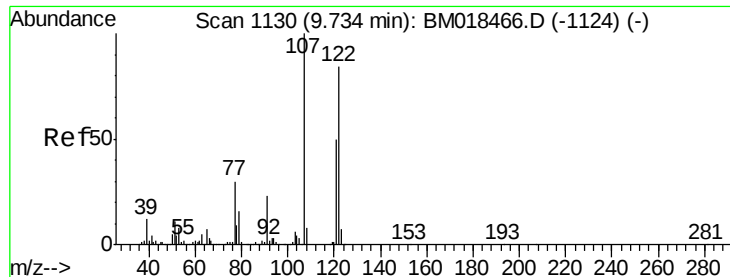
Sohil
1/15/2019 12:20:10 PM



#26
2-Nitrophenol
Concen: 41.315 ng
RT: 9.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	139	Resp	362438
Ion	Ratio	Lower	Upper
139	100		
109	30.5	23.4	35.2
65	45.0	39.4	59.2





#27

2,4-Dimethylphenol

Concen: 45.081 ng

RT: 9.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

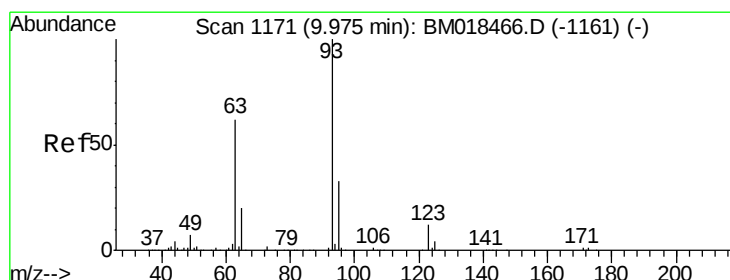
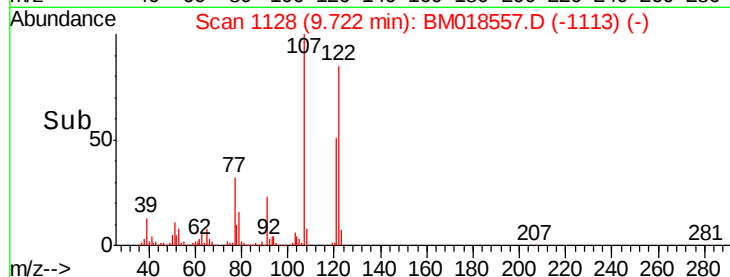
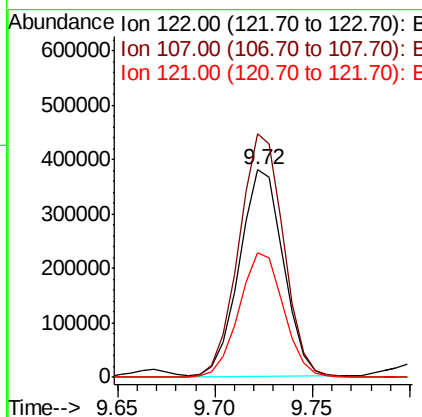
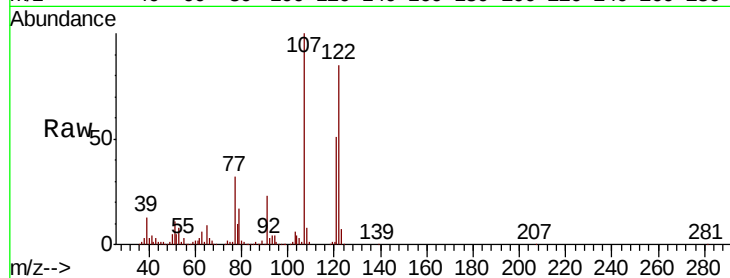
ClientSampleId :

QD-01-011019MSD

Tot Ion:	122	Resp:	592761
Ion Ratio	Lower	Upper	
122	100		
107	117.5	91.9	137.9
121	60.0	47.5	71.3

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1/15/2019 12:20:10 PM



#28

bis(2-Chloroethoxy)methane

Concen: 38.280 ng

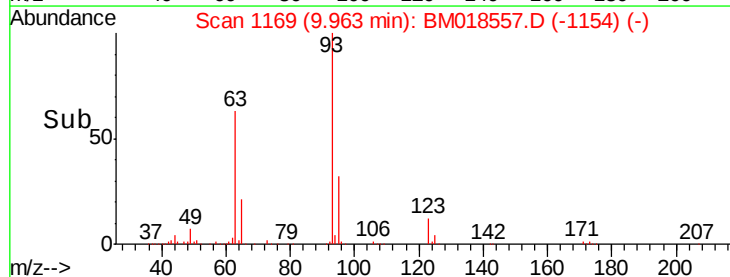
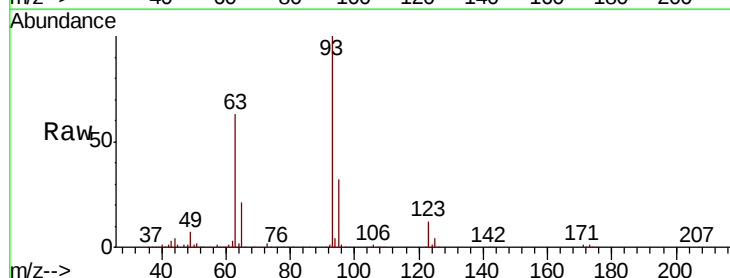
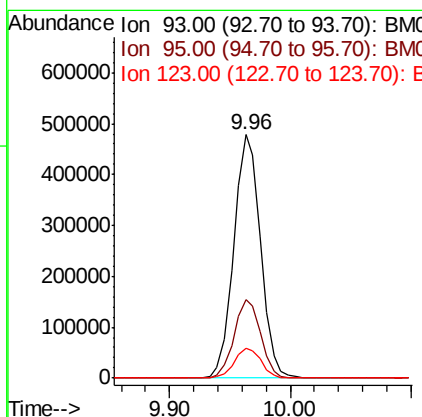
RT: 9.96 min Scan# 1169

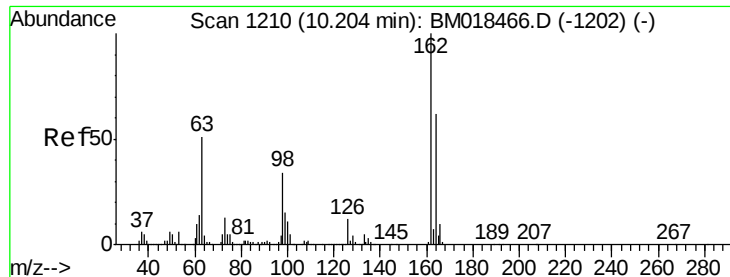
Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	93	Resp:	738353
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.6	39.8
123	12.3	9.9	14.9





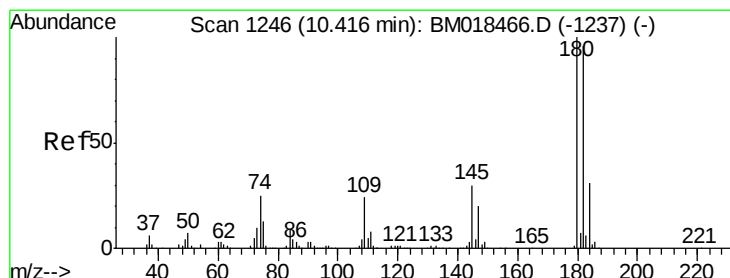
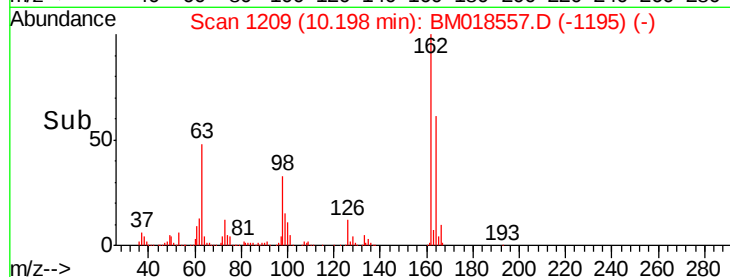
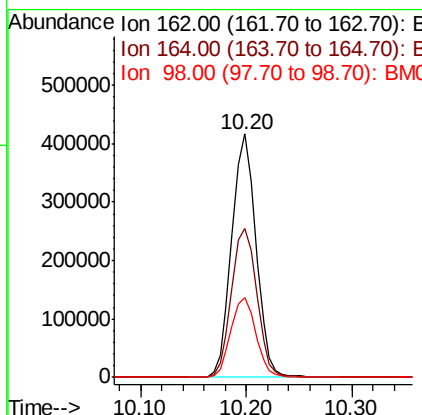
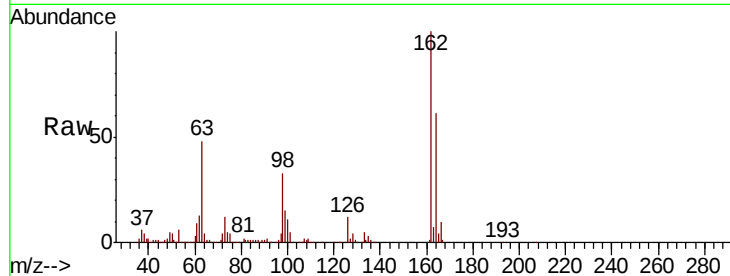
#29
2,4-Dichlorophenol
Concen: 42.468 ng
RT: 10.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.4	45.6	85.6
98	33.0	14.7	54.7

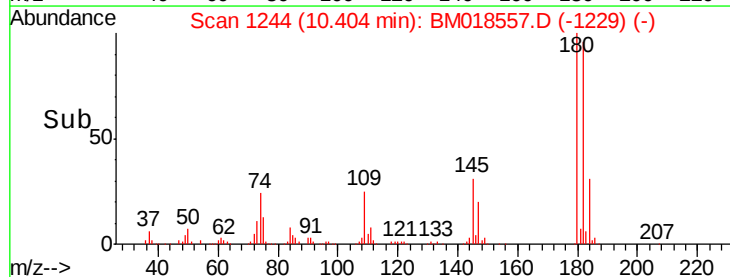
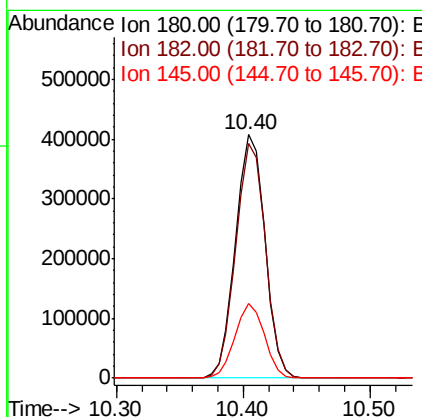
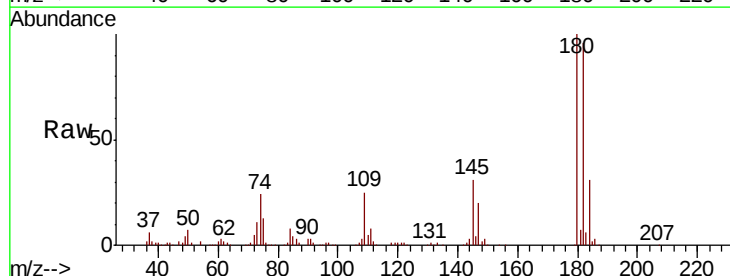
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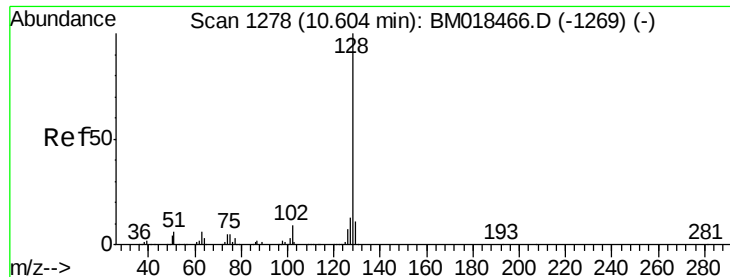
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 33.885 ng
RT: 10.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.2
145	30.9	24.6	37.0





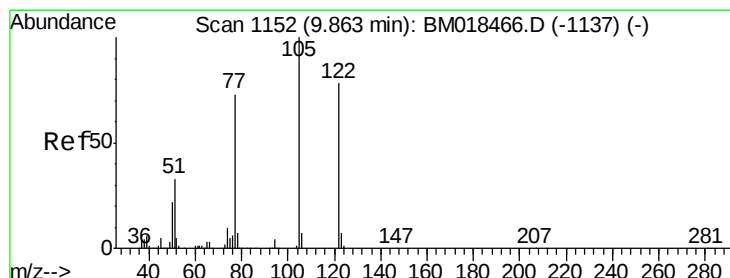
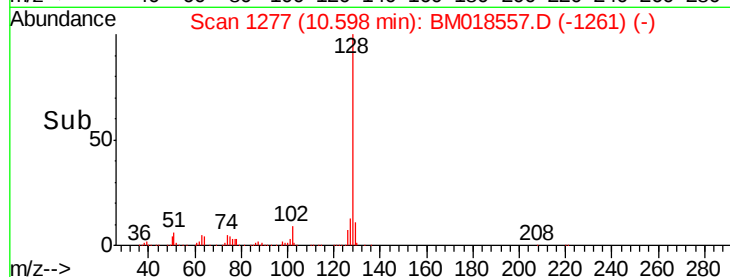
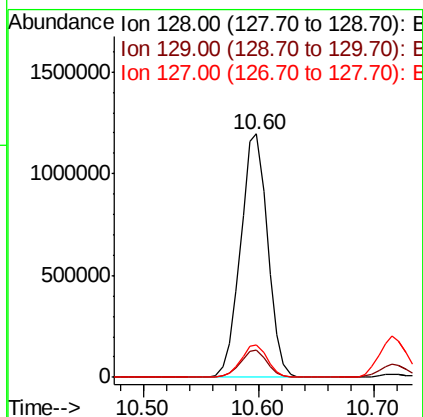
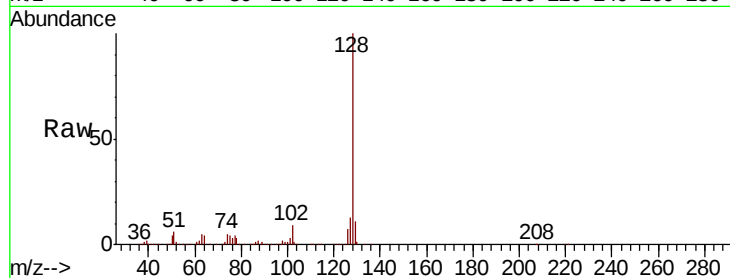
#31
Naphthalene
Concen: 37.849 ng
RT: 10.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.8	16.2

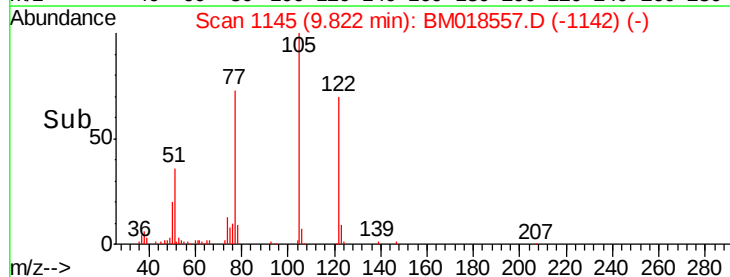
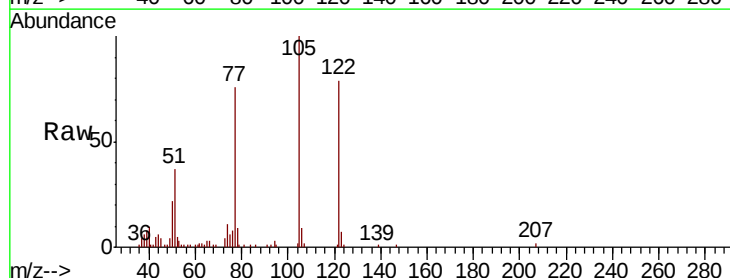
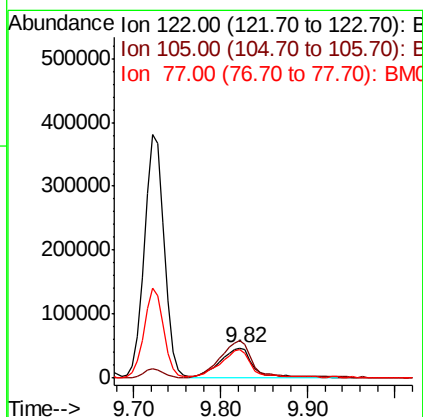
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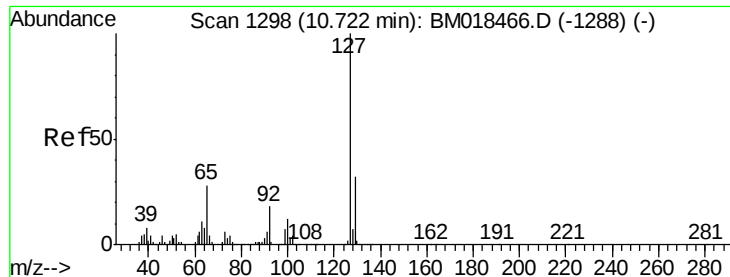
Sohil
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#32
Benzoic acid
Concen: 17.944 ng m
RT: 9.82 min Scan# 1145
Delta R.T. -0.08 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.8	100.4	140.4
77	95.9	71.7	111.7





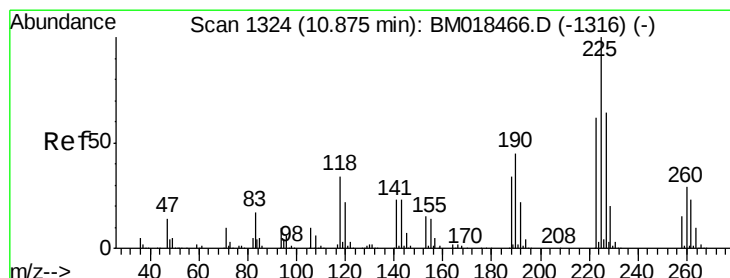
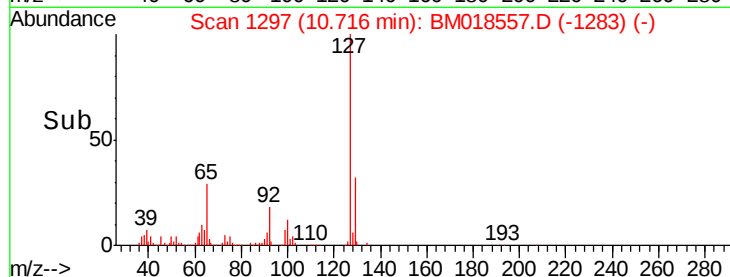
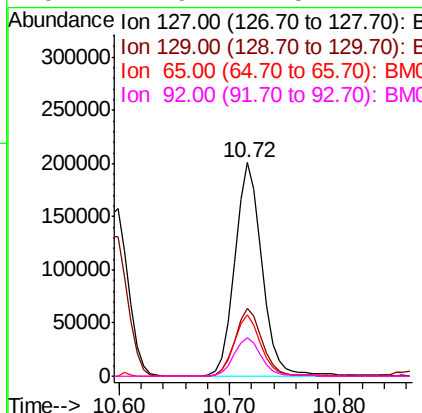
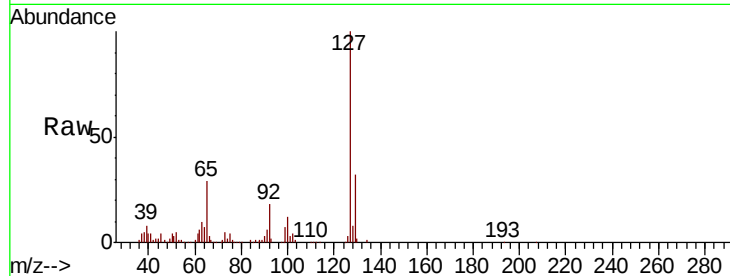
#33
4-Chloroaniline
Concen: 17.192 ng
RT: 10.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	25.9	38.9		
65	28.9	23.4	35.2		
92	17.9	14.5	21.7		

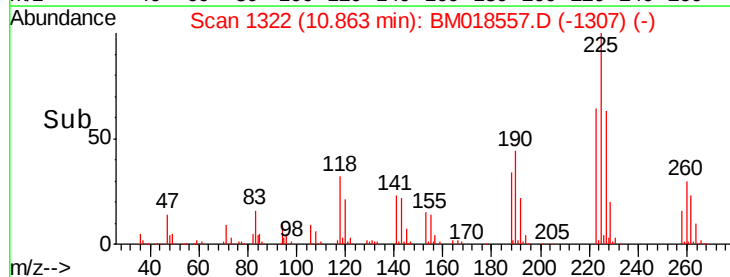
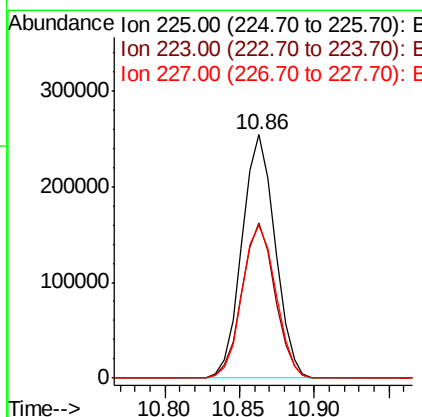
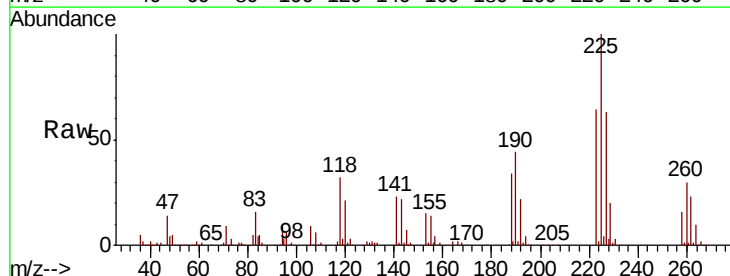
Manual Integrations
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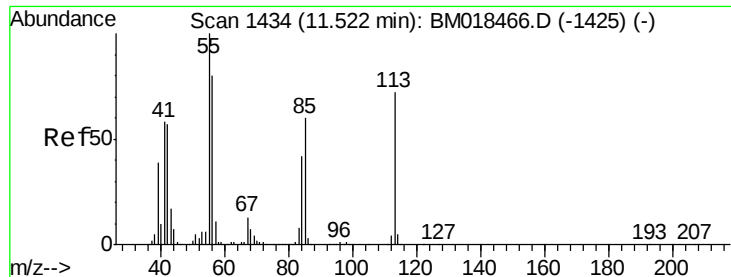
Sohil
1/15/2019 12:20:10 PM



#34
Hexachlorobutadiene
Concen: 31.844 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	50.8	76.2		
227	62.6	50.4	75.6		





#35

Caprolactam

Concen: 40.809 ng/mL

RT: 11.52 min Scan# 1434

Delta R.T. -0.02 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:113 Resp: 217238

Ion Ratio Lower Upper

113 100

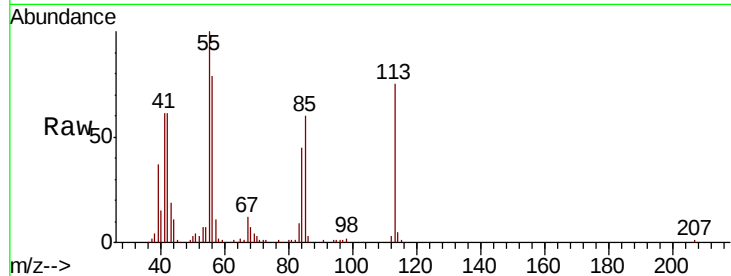
55 133.9 139.3 179.3#

56 105.2 101.4 141.4

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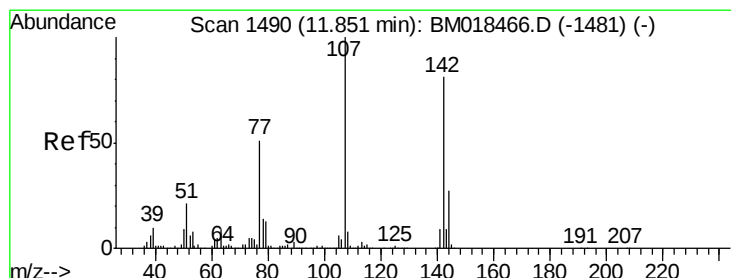
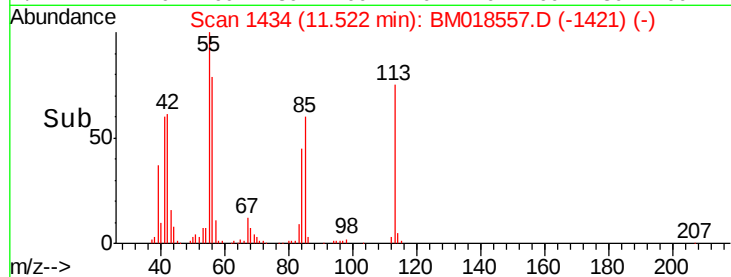
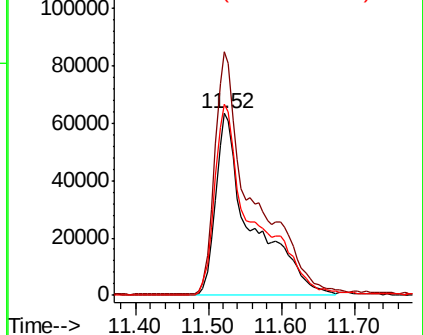
1/15/2019 12:20:10 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 43.314 ng/mL

RT: 11.85 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

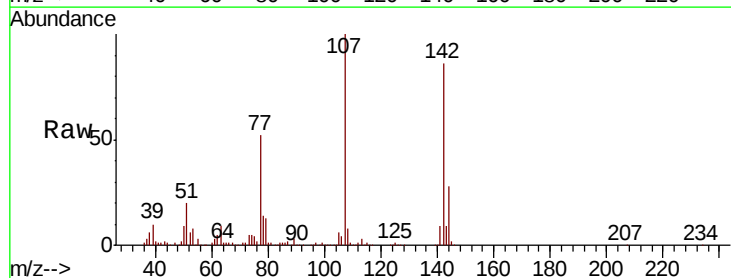
Tgt Ion:107 Resp: 711499

Ion Ratio Lower Upper

107 100

144 28.0 21.9 32.9

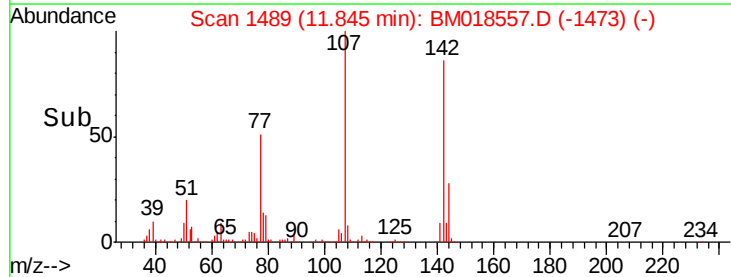
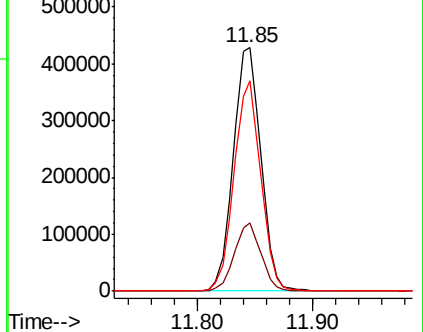
142 86.2 67.9 101.9

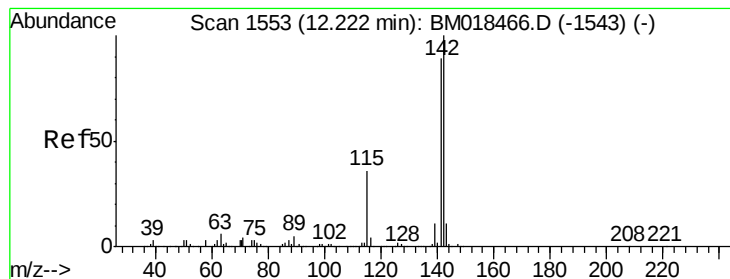


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





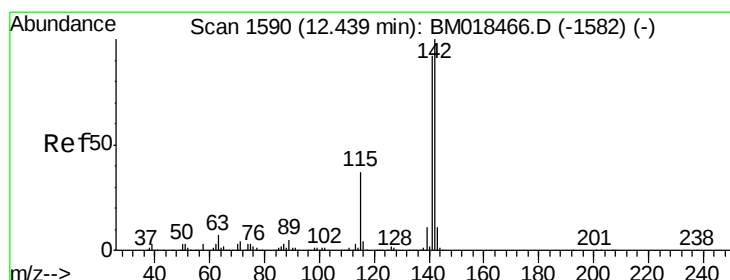
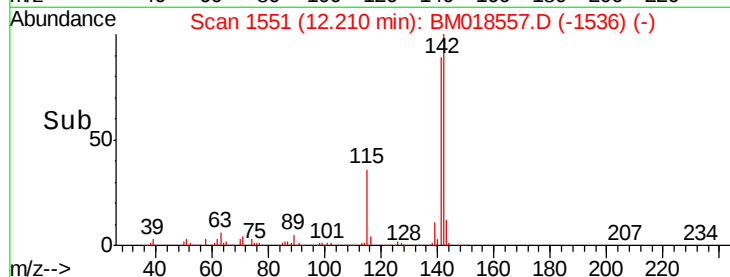
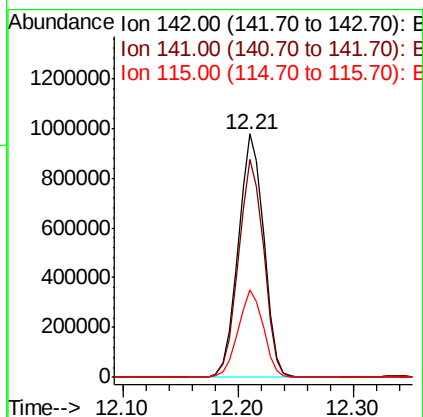
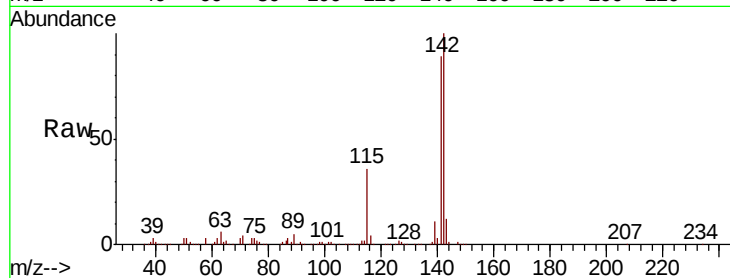
#37
2-Methylnaphthalene
Concen: 41.111 ng
RT: 12.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion:142 Resp: 1495274
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 35.7 28.0 42.0

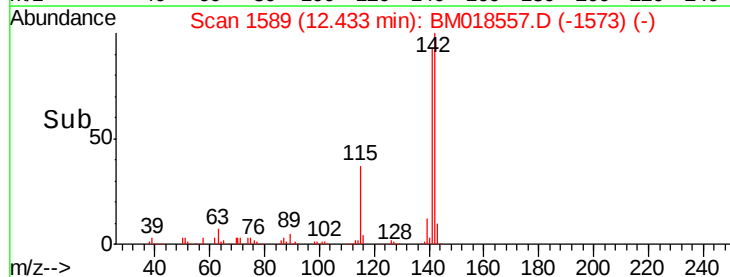
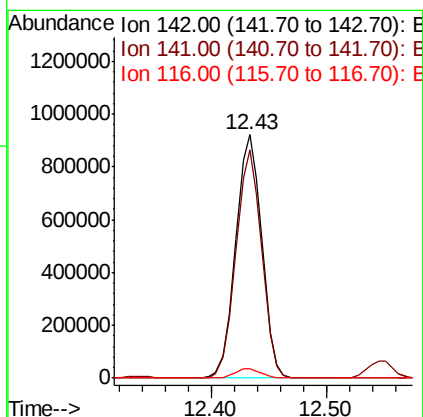
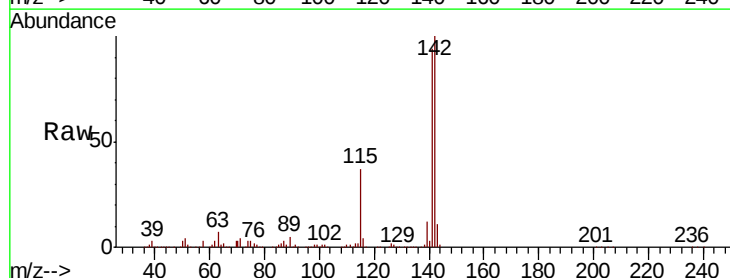
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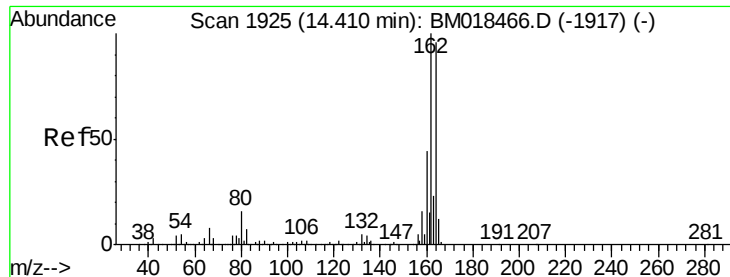
Sohil
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#38
1-Methylnaphthalene
Concen: 40.634 ng
RT: 12.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion:142 Resp: 1430006
Ion Ratio Lower Upper
142 100
141 93.6 75.6 113.4
116 3.8 3.0 4.6





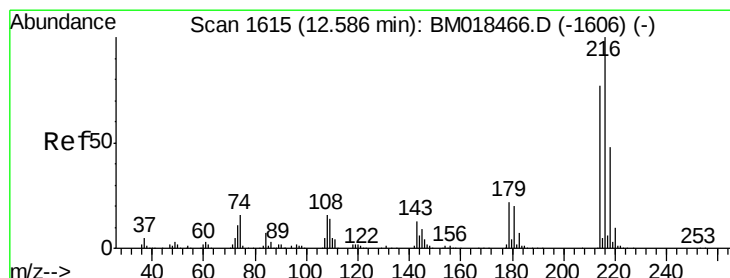
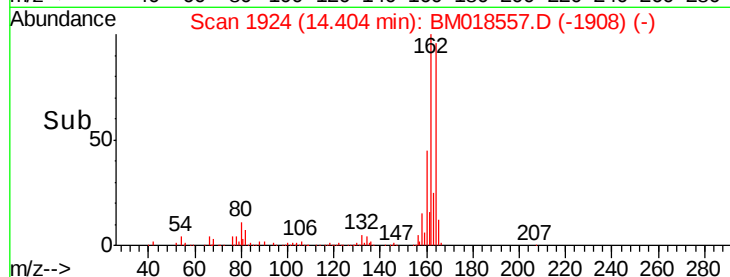
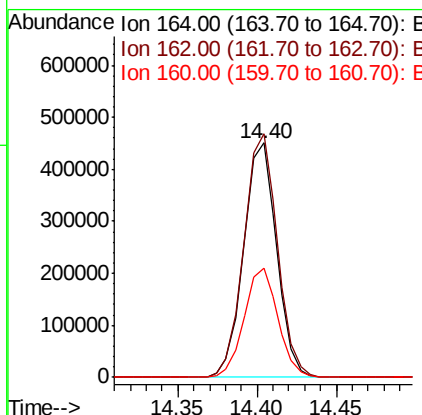
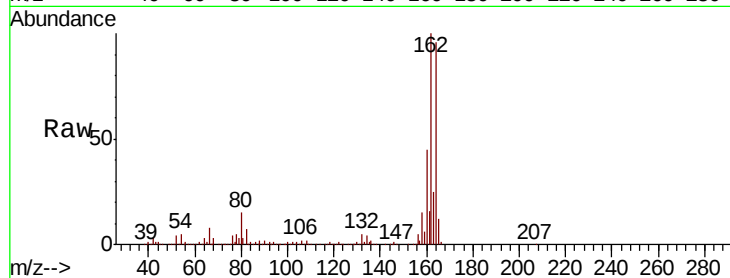
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.0	124.4
160	46.8	37.1	55.7

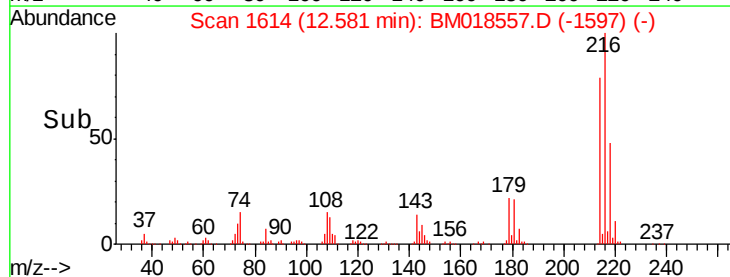
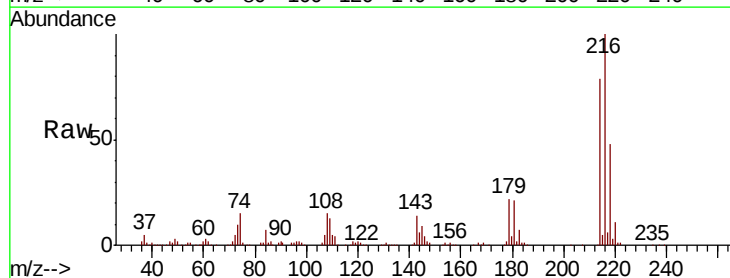
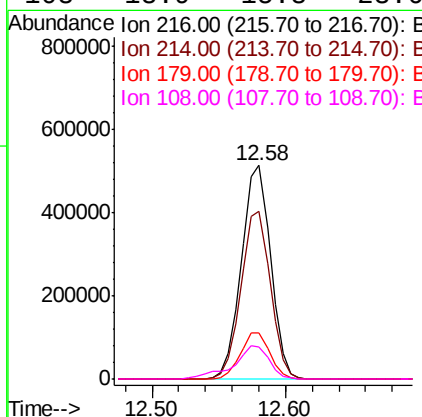
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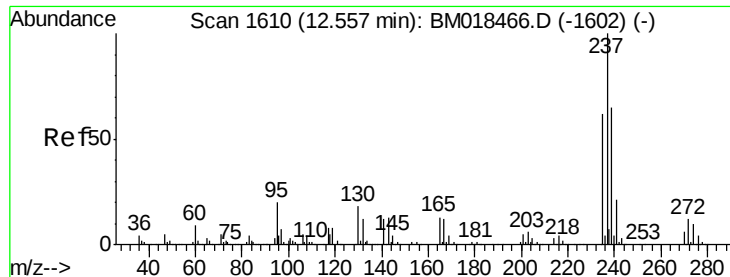
Sohil
1/15/2019 12:20:10 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.103 ng
RT: 12.58 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.4	95.0
179	21.9	17.9	26.9
108	18.9	15.8	23.6





#41

Hexachlorocyclopentadiene

Concen: 66.854 ng

RT: 12.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

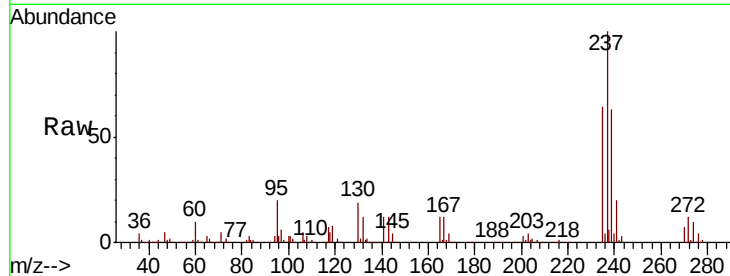
ClientSampleId :

QD-01-011019MSD

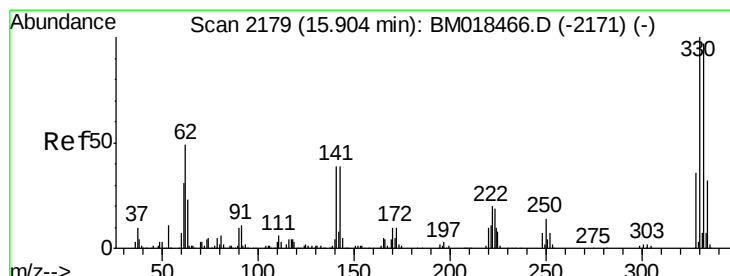
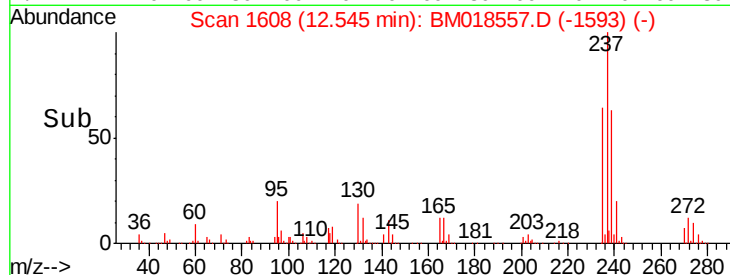
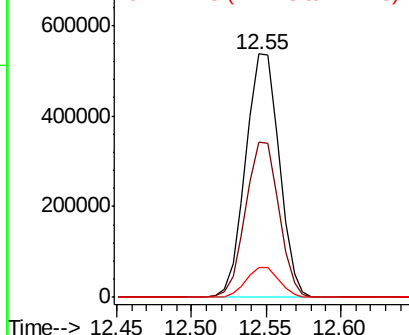
Tot Ion:	237	Resp:	835977
Ion Ratio	Lower	Upper	
237	100		
235	63.6	42.8	82.8
272	12.3	0.0	31.9

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



#42

2,4,6-Tribromophenol

Concen: 126.813 ng

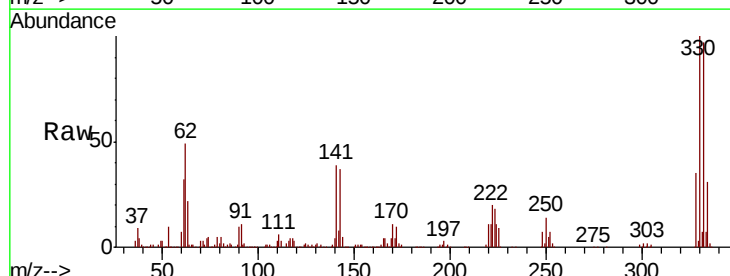
RT: 15.90 min Scan# 2178

Delta R.T. -0.01 min

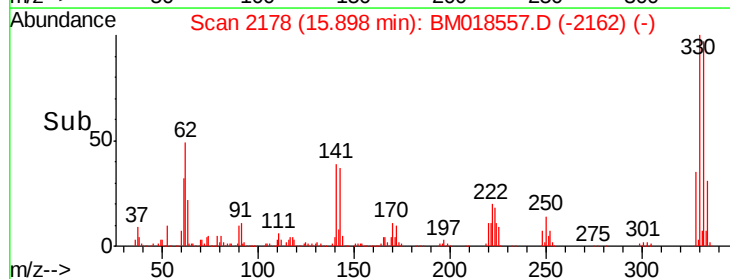
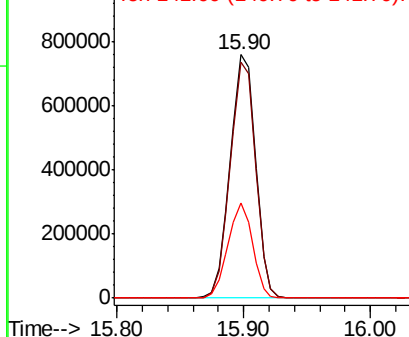
Lab File: BM018557.D

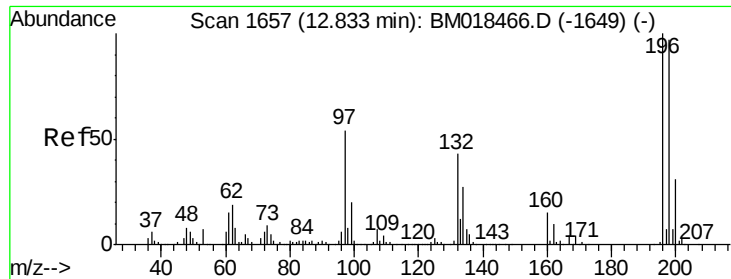
Acq: 14 Jan 2019 18:35

Tgt Ion:	330	Resp:	1052035
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.6	116.4
141	38.0	31.7	47.5



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





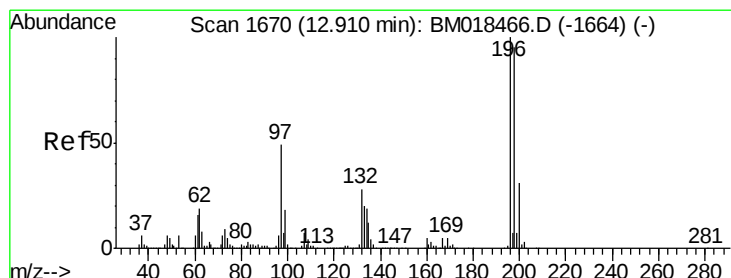
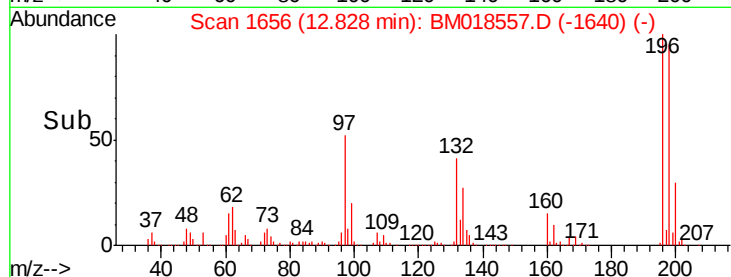
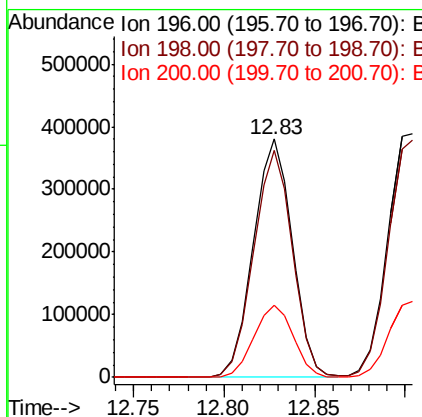
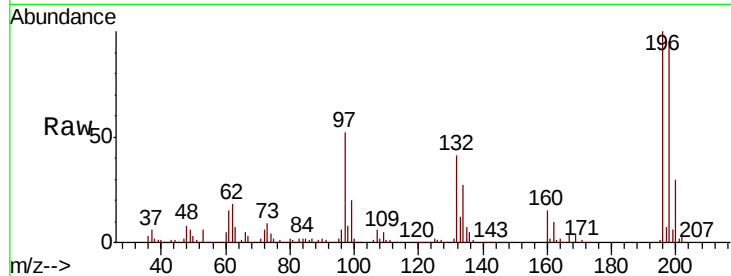
#43
 2,4,6-Trichlorophenol
 Concen: 40.987 ng
 RT: 12.83 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	567095		
198	95.3	76.6	115.0	
200	30.5	24.2	36.4	

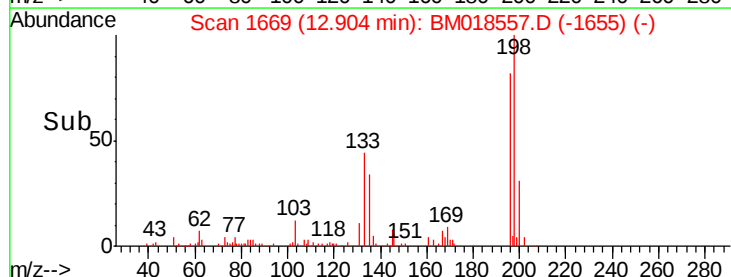
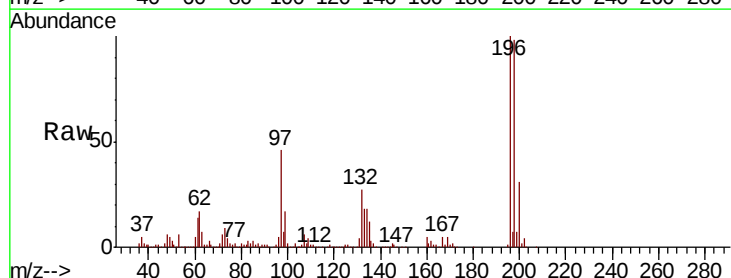
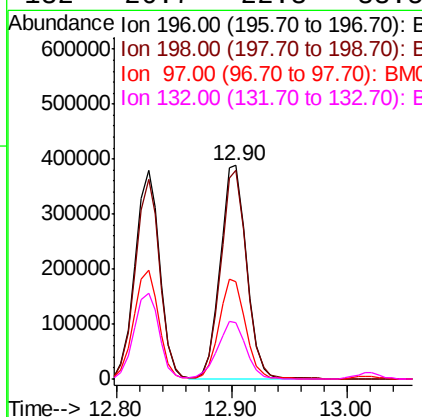
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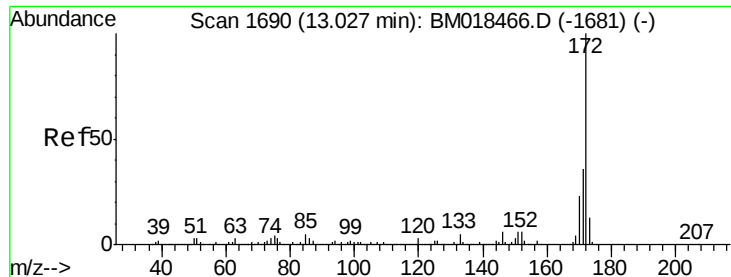
Sohil
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#44
 2,4,5-Trichlorophenol
 Concen: 41.897 ng
 RT: 12.90 min Scan# 1669
 Delta R.T. -0.02 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	609652		
198	97.7	76.7	115.1	
97	45.5	39.2	58.8	
132	26.7	22.3	33.5	





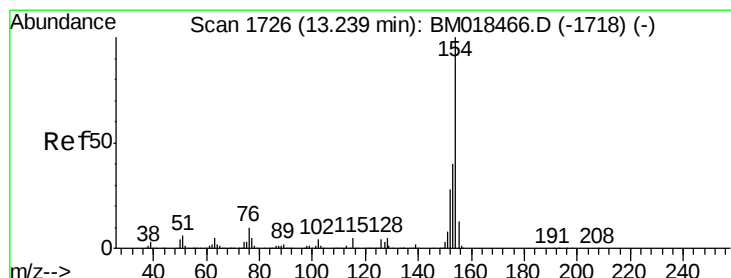
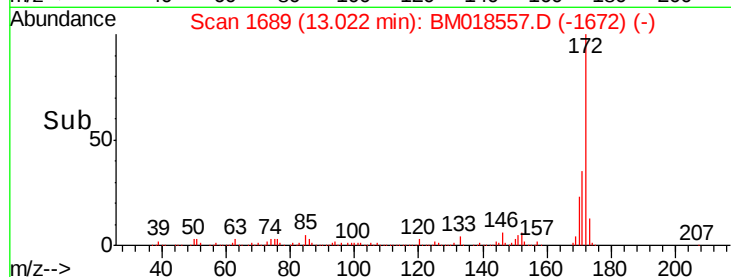
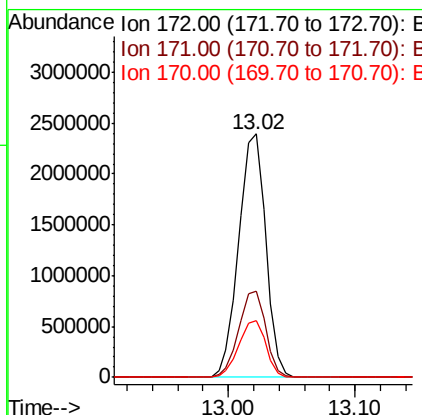
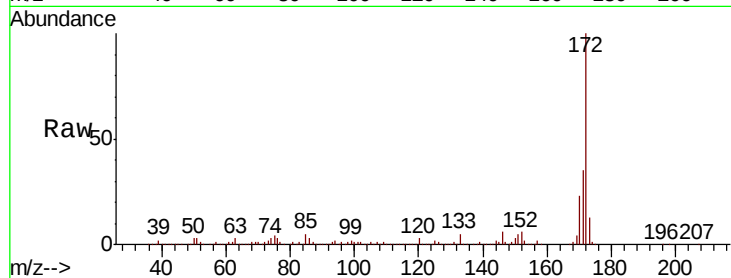
#45
2-Fluorobiphenyl
Concen: 70.923 ng
RT: 13.02 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.1	18.9	28.3

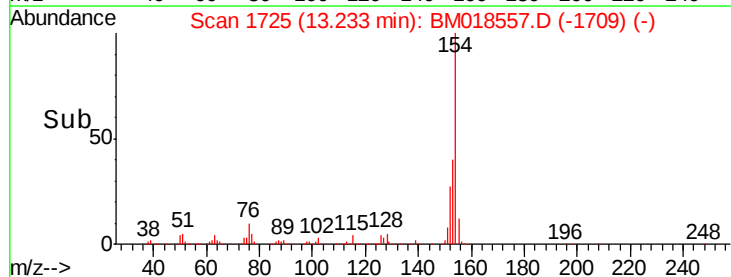
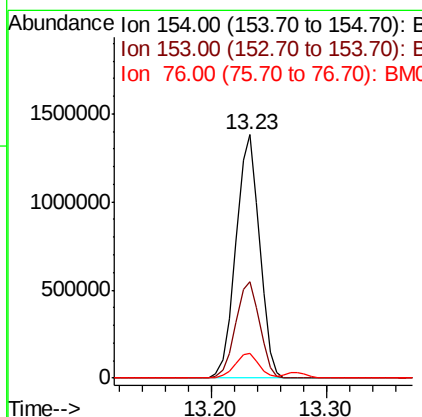
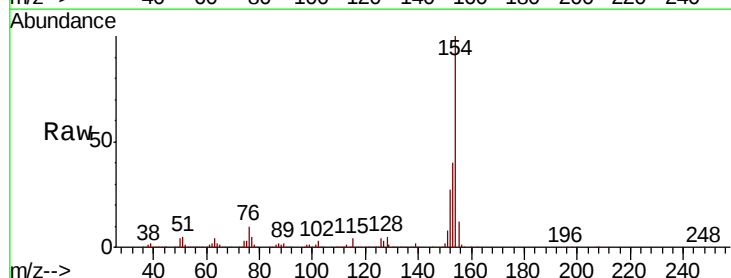
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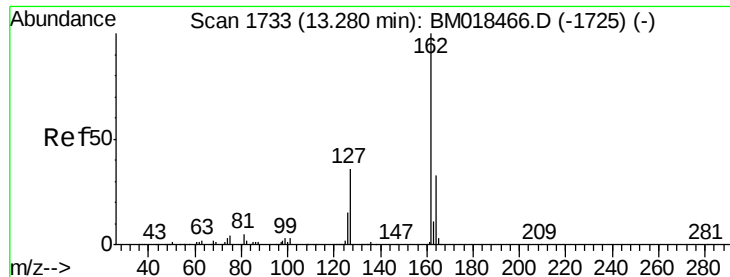
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#46
1,1'-Biphenyl
Concen: 34.312 ng
RT: 13.23 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.5	60.5
76	9.9	0.0	31.9





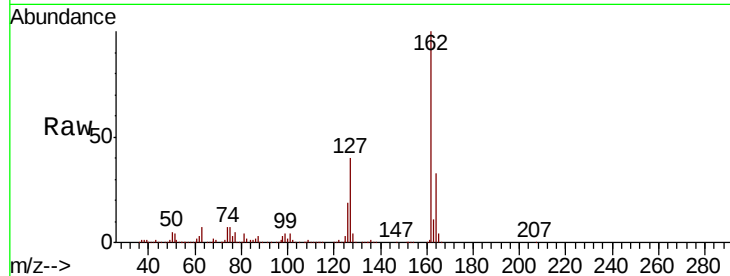
#47
2-Chloronaphthalene
Concen: 34.280 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.4	47.0
164	32.7	26.2	39.4

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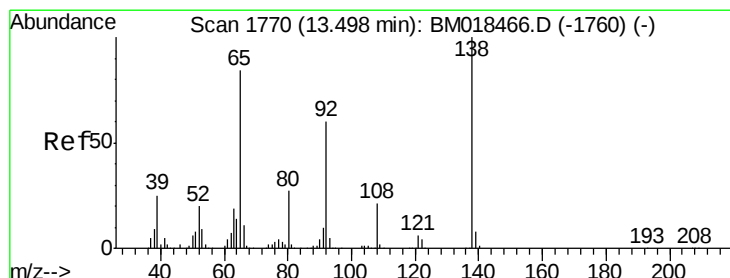
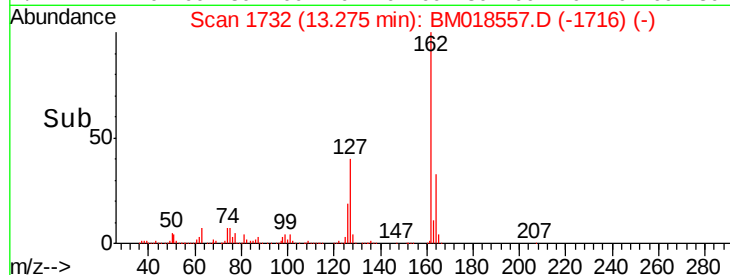
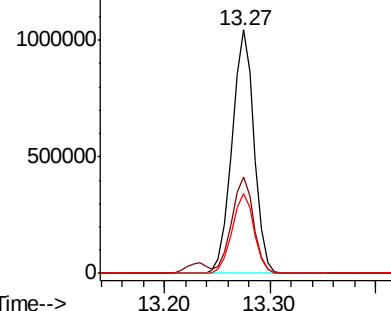


Abundance

Ion 162.00 (161.70 to 162.70): E

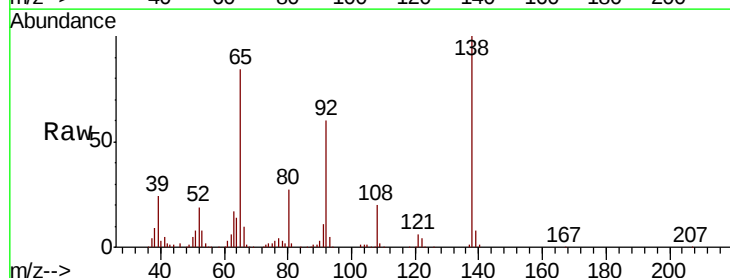
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 40.424 ng
RT: 13.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.6	53.4	80.2
138	118.6	88.9	133.3

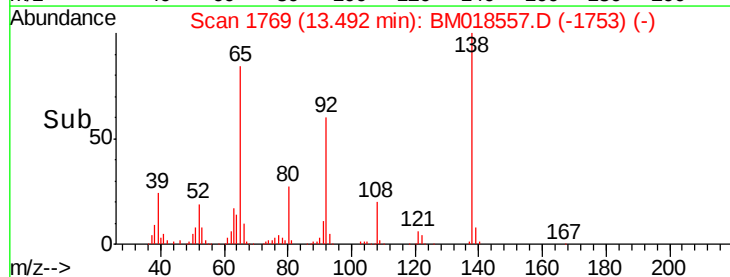
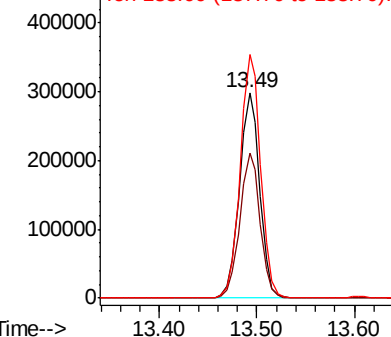


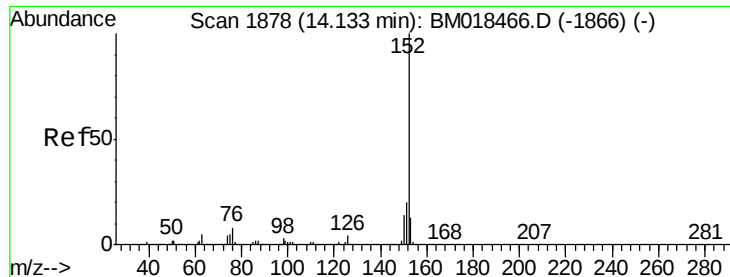
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 39.272 ng

RT: 14.13 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:152 Resp: 2524791

Ion Ratio Lower Upper

152 100

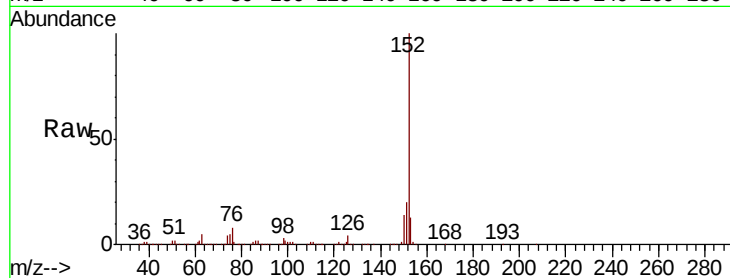
151 19.9 15.7 23.5

153 13.2 10.5 15.7

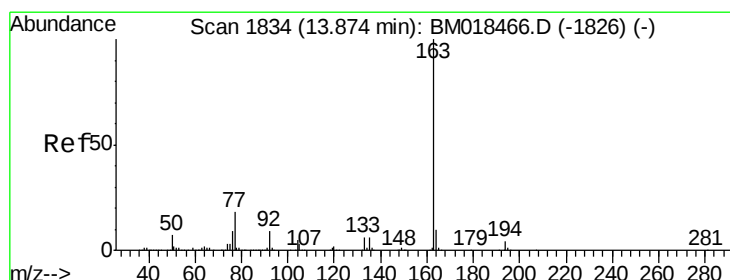
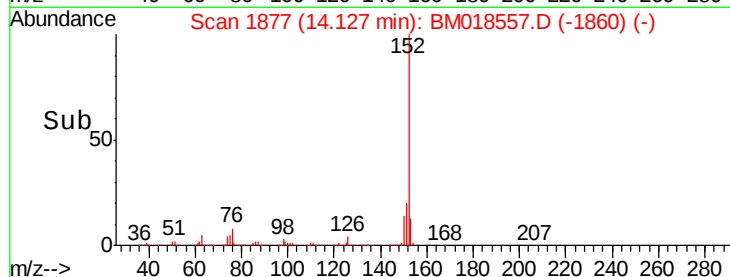
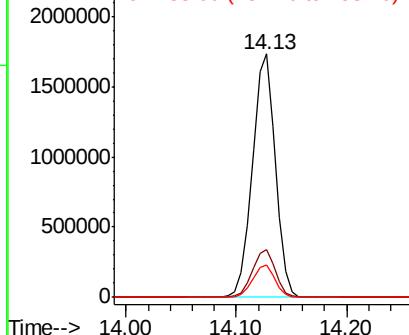
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 57.013 ng

RT: 13.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

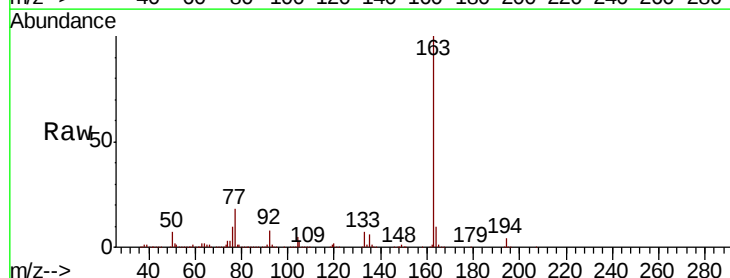
Tgt Ion:163 Resp: 3050741

Ion Ratio Lower Upper

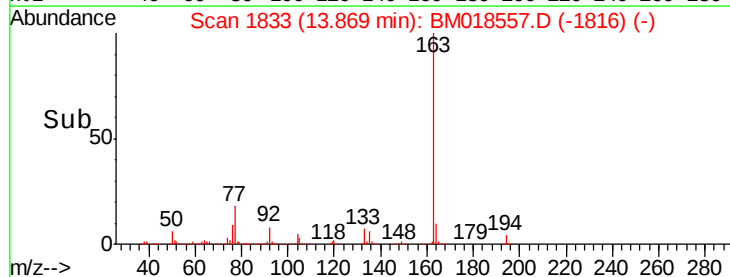
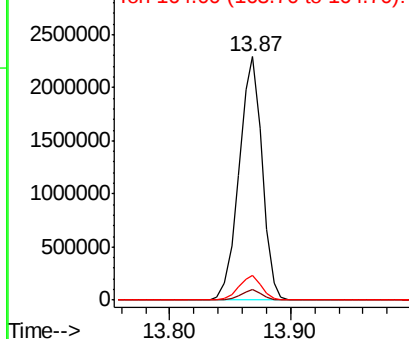
163 100

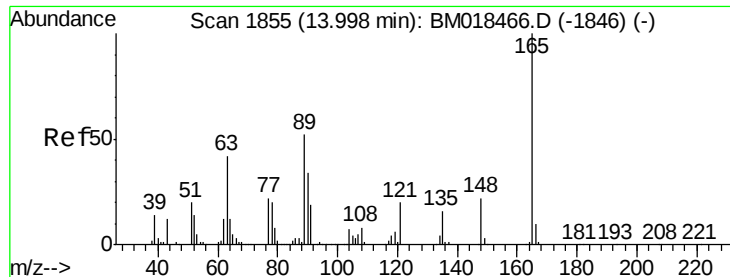
194 4.2 3.0 4.6

164 10.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 39.677 ng

RT: 13.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

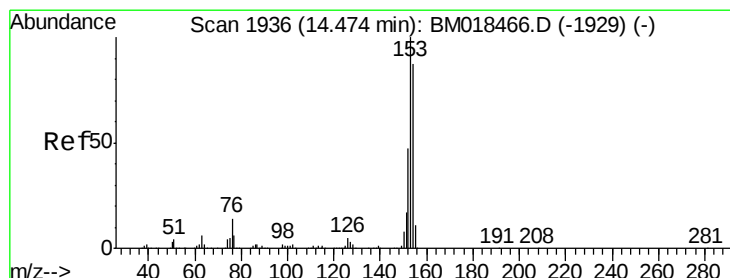
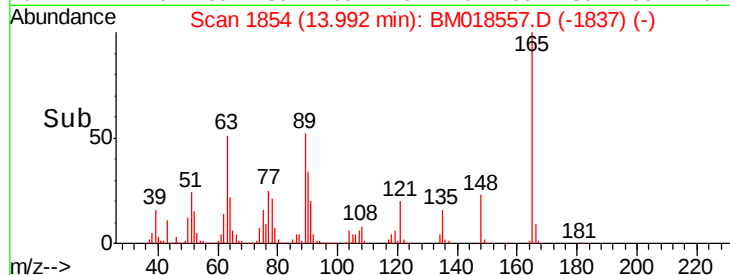
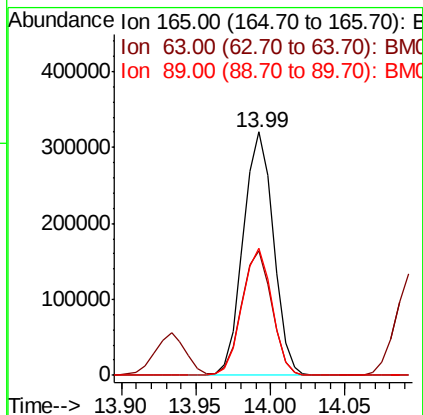
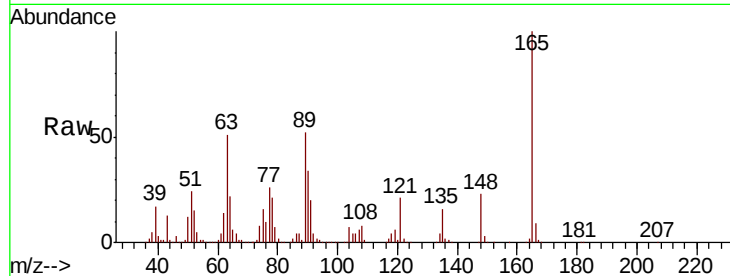
ClientSampleId :

QD-01-011019MSD

Tot Ion:	165	Resp:	449720
Ion Ratio	Lower	Upper	
165	100		
63	51.3	45.6	68.4
89	52.4	44.6	66.8

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#52

Acenaphthene

Concen: 36.844 ng

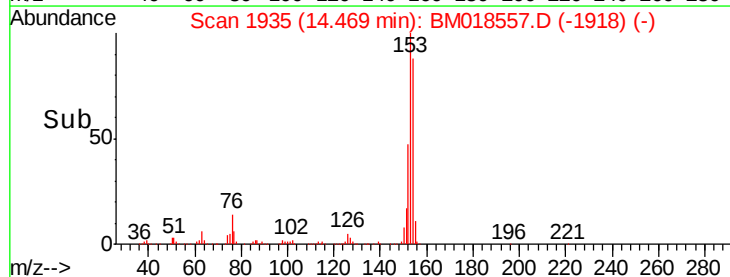
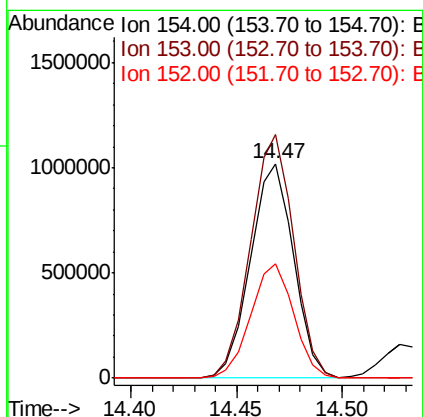
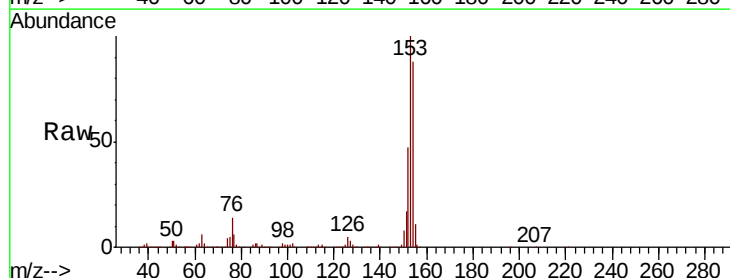
RT: 14.47 min Scan# 1935

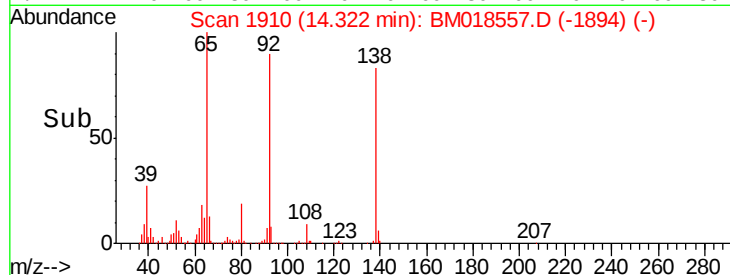
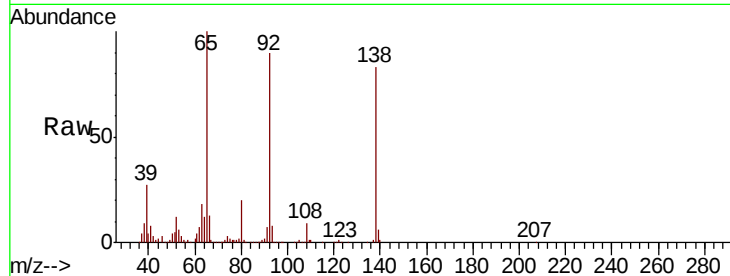
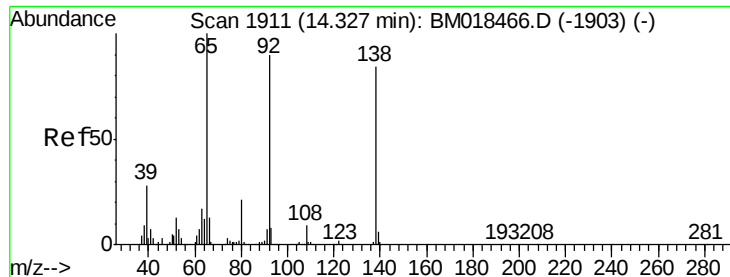
Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion:	154	Resp:	1449311
Ion Ratio	Lower	Upper	
154	100		
153	113.7	92.3	138.5
152	53.4	43.8	65.6





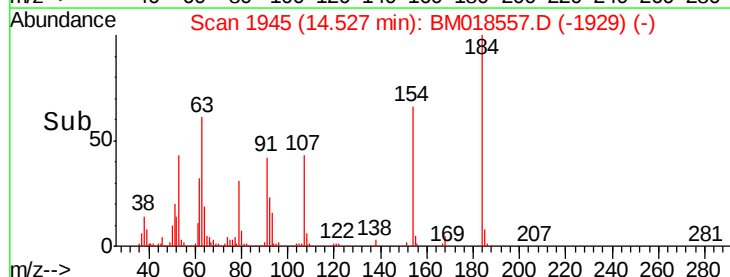
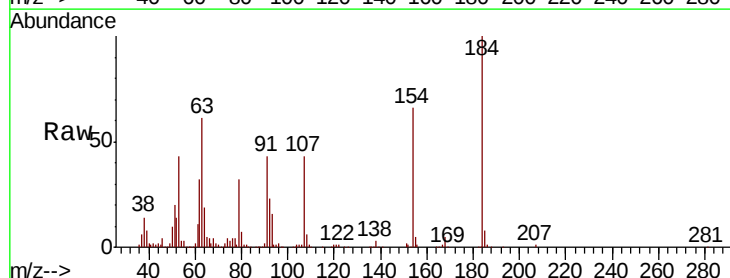
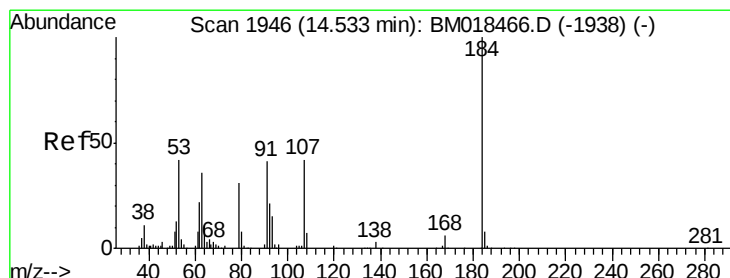
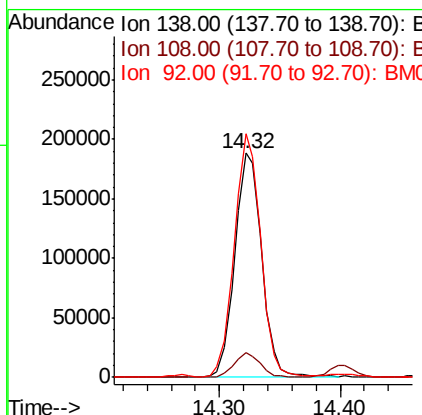
#53
3-Nitroaniline
Concen: 25.718 ng
RT: 14.32 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.1	13.7
92	108.6	88.2	132.2

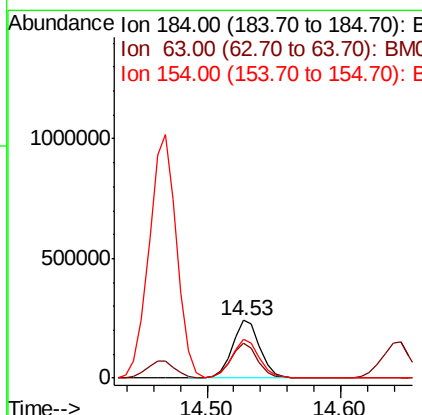
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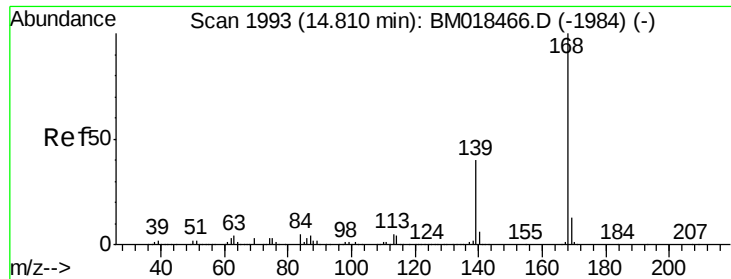
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#54
2,4-Dinitrophenol
Concen: 58.967 ng
RT: 14.53 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.3	55.9	83.9
154	66.5	54.2	81.4





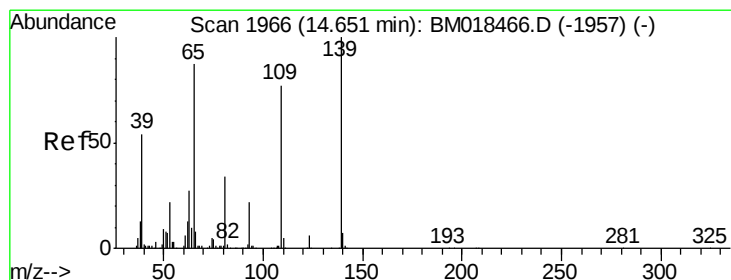
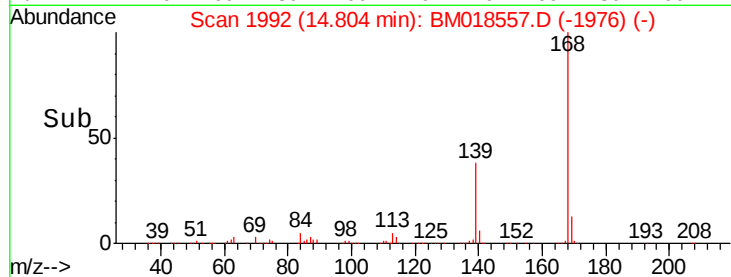
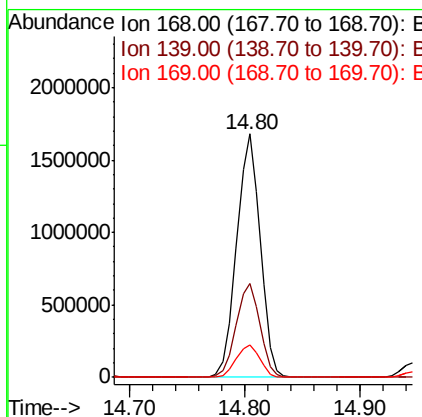
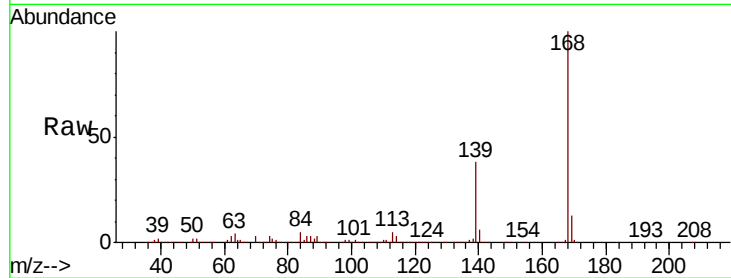
#55
Dibenzofuran
Concen: 36.355 ng
RT: 14.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.3	45.5
169	13.1	10.6	16.0

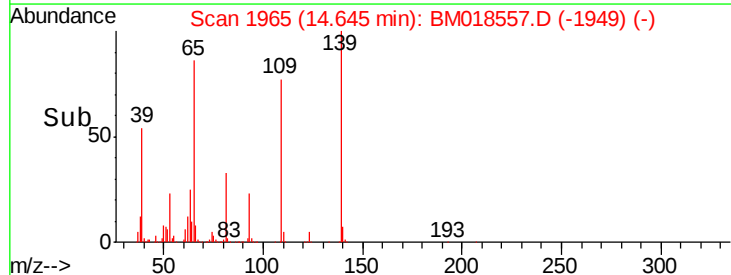
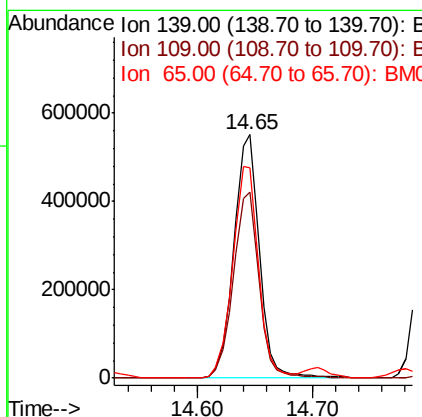
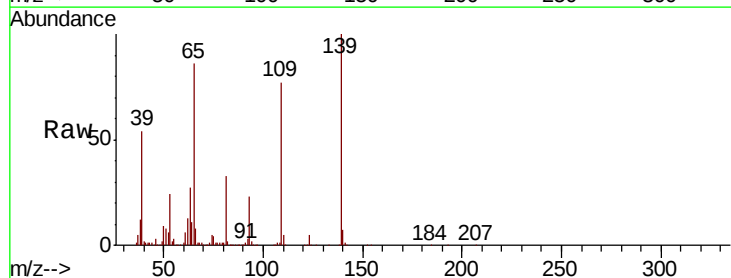
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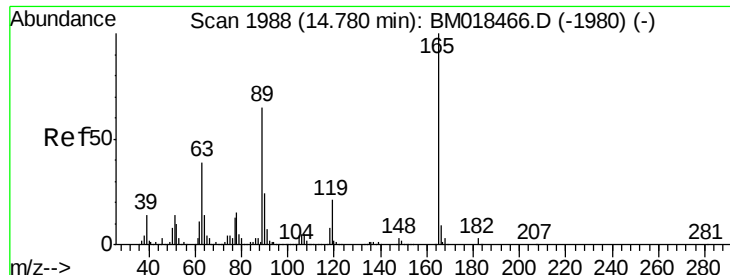
Sohil
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#56
4-Nitrophenol
Concen: 85.806 ng
RT: 14.65 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.6	51.7	91.7
65	86.4	71.4	111.4





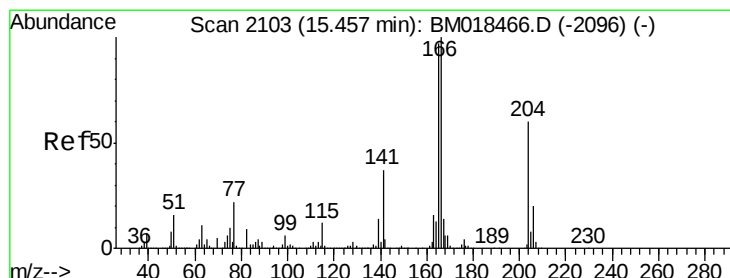
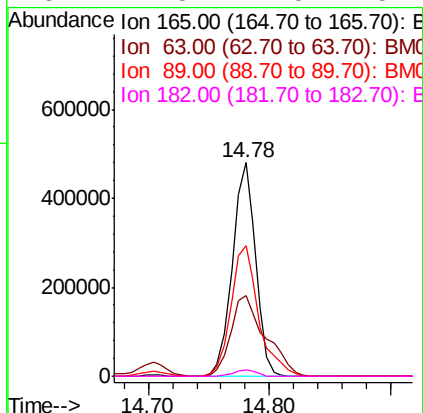
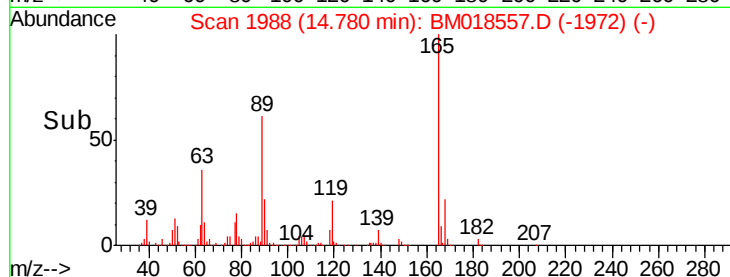
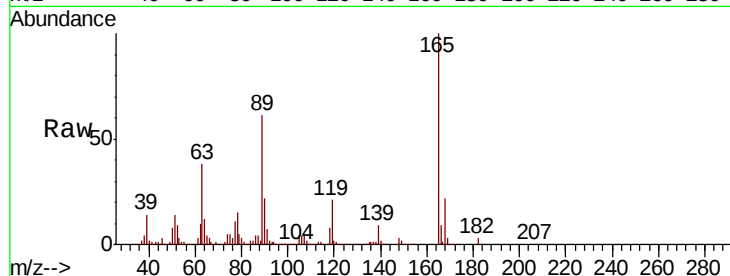
#57
2,4-Dinitrotoluene
Concen: 39.929 ng
RT: 14.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	37.8	32.2	48.2
89	61.4	52.1	78.1
182	2.8	2.5	3.7

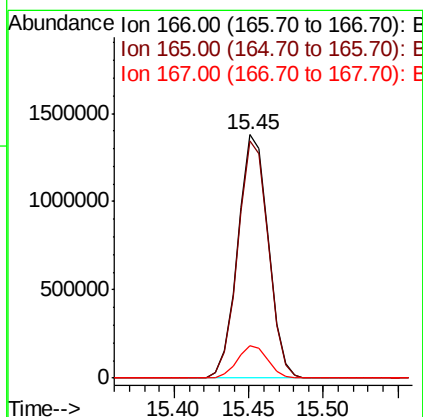
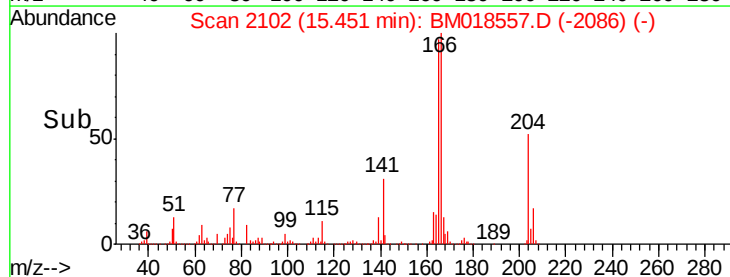
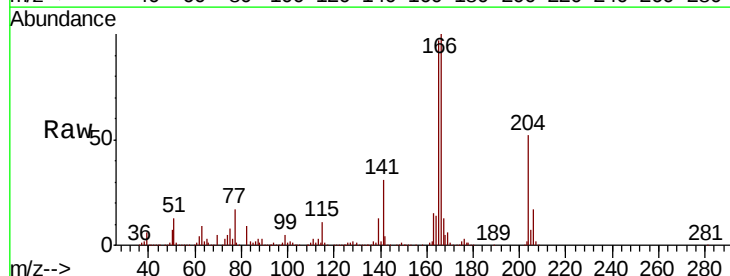
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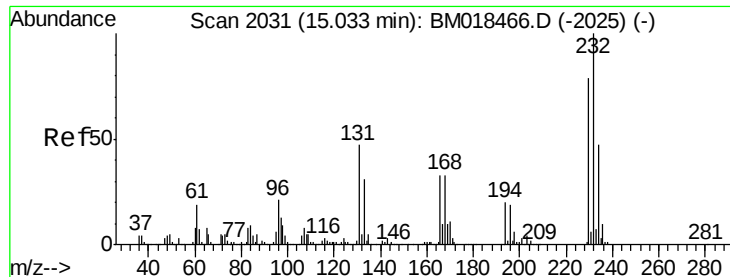
Sohil
1/15/2019 12:20:10 PM



#58
Fluorene
Concen: 40.353 ng
RT: 15.45 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	13.5	10.9	16.3





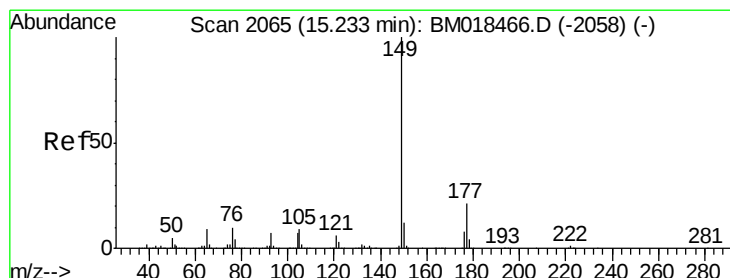
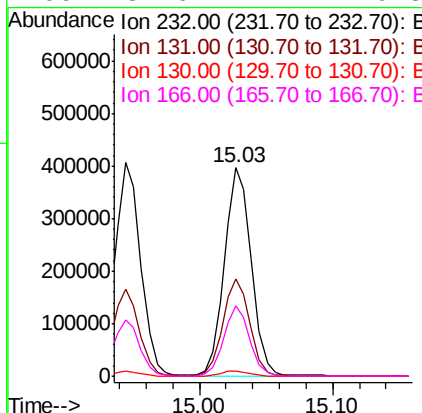
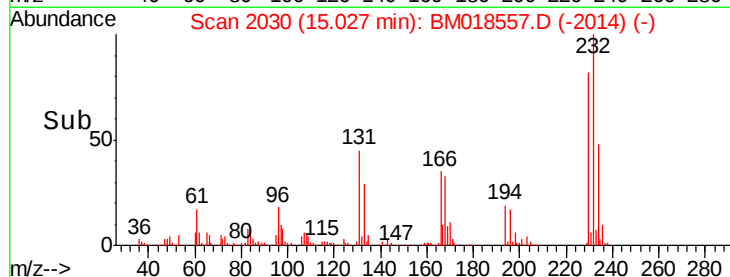
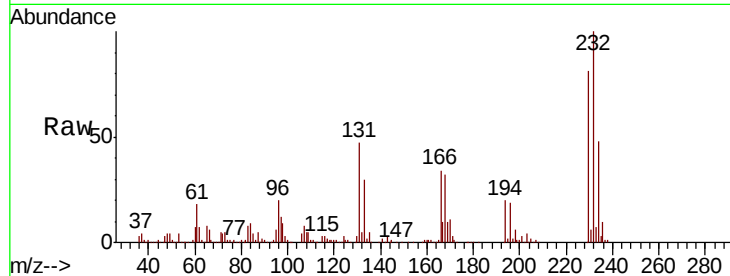
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.115 ng
 RT: 15.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.7	38.6	57.8
130	2.5	2.2	3.4
166	32.6	27.2	40.8

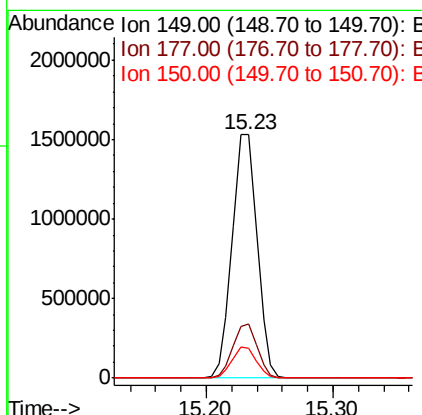
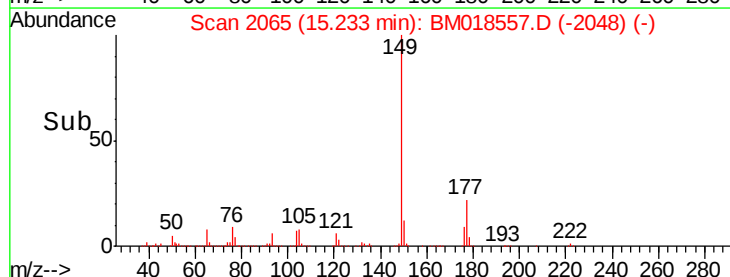
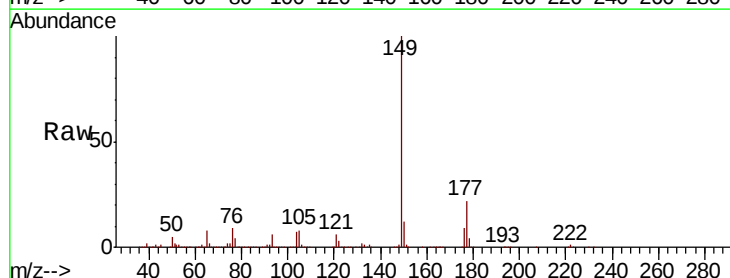
Manual Integrations
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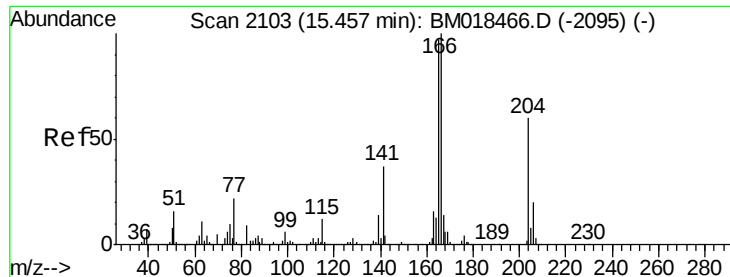
Sohil
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#60
 Diethylphthalate
 Concen: 38.652 ng
 RT: 15.23 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.1	25.7
150	12.2	9.8	14.6





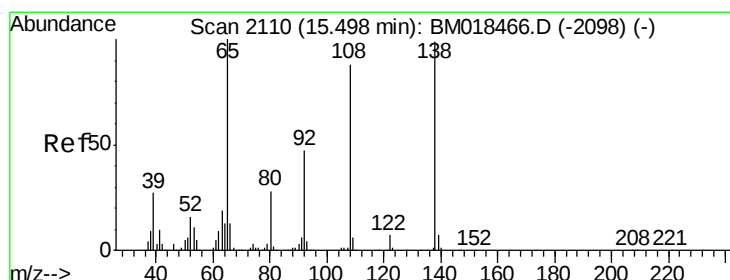
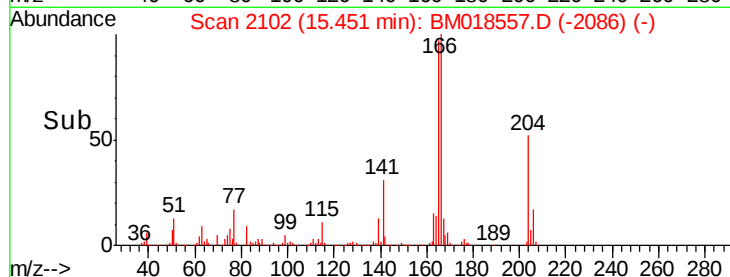
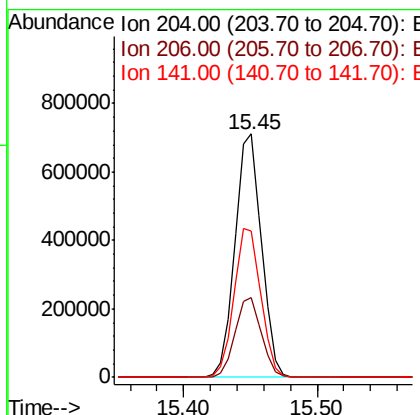
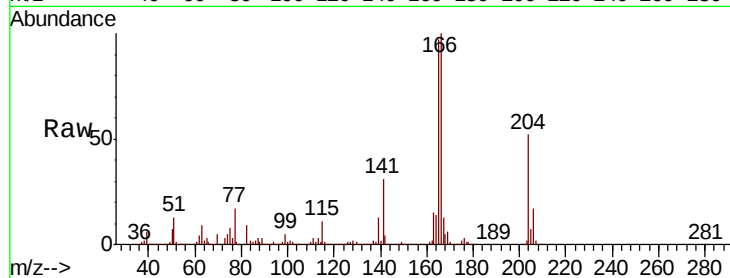
#61
4-Chlorophenyl-phenylether
Concen: 35.115 ng
RT: 15.45 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	60.1	49.5	74.3

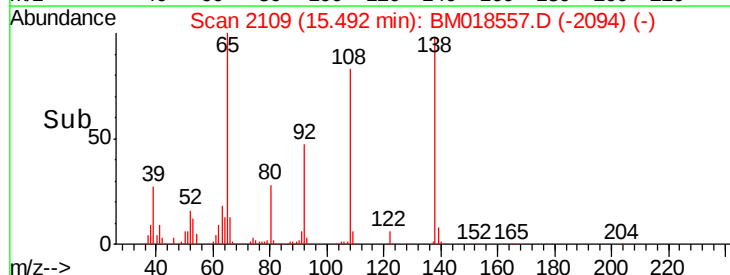
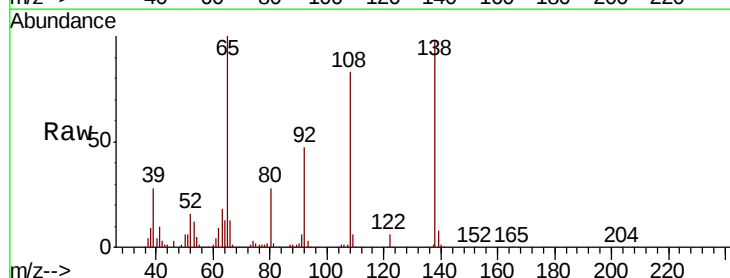
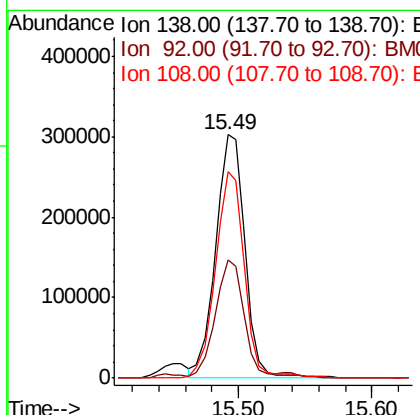
Manual Integrations
APPROVED

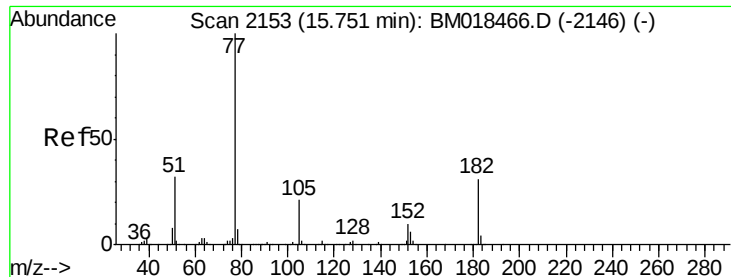
Sohil
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#62
4-Nitroaniline
Concen: 37.295 ng
RT: 15.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.0	69.0
108	85.0	63.9	103.9





#63

Azobenzene

Concen: 37.359 ng

RT: 15.74 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion: 77 Resp: 1645378

Ion Ratio Lower Upper

77 100

182 29.2 7.4 47.4

105 21.6 0.0 39.6

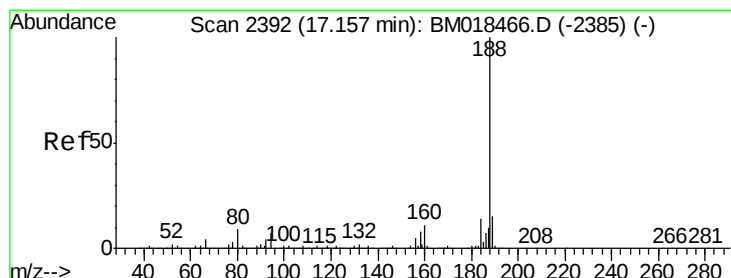
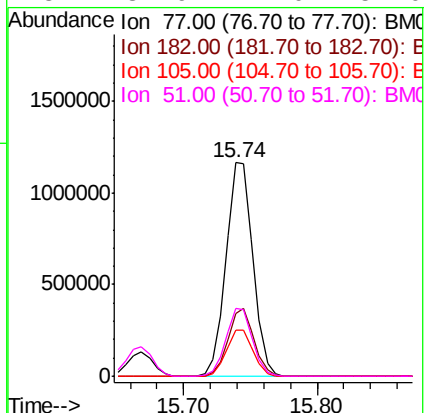
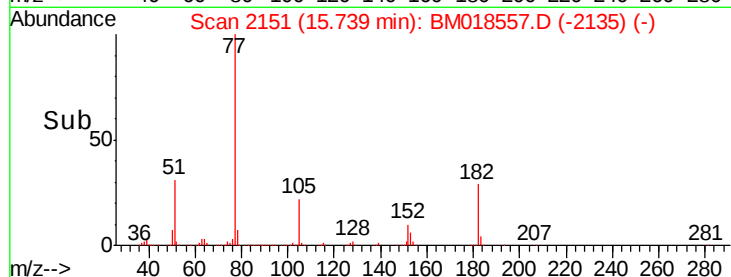
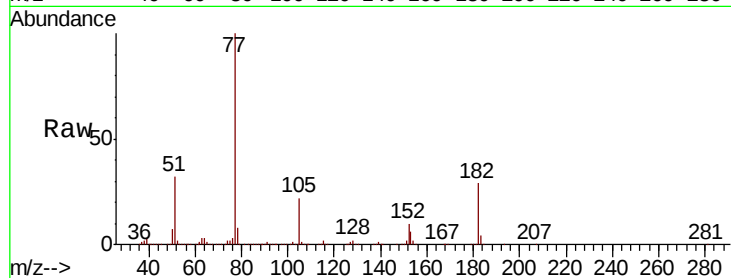
51 31.9 12.0 52.0

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

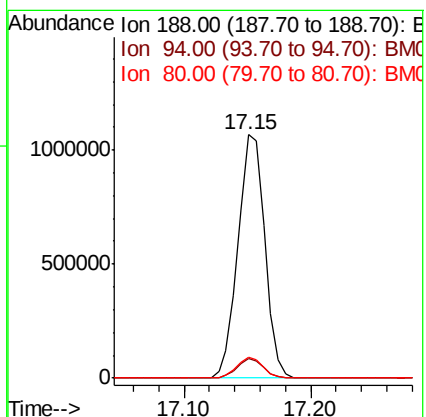
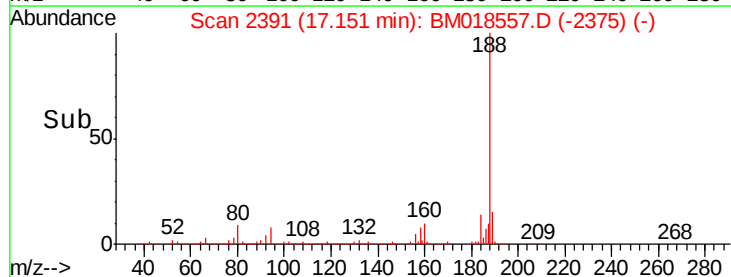
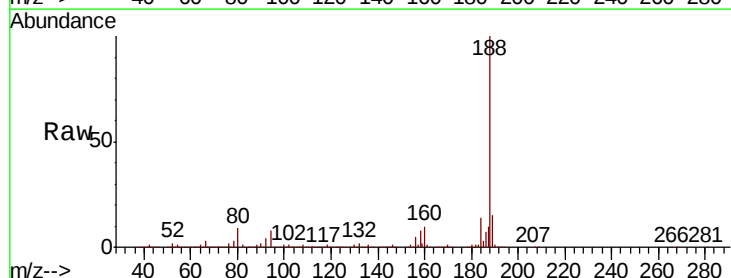
Tgt Ion: 188 Resp: 1561258

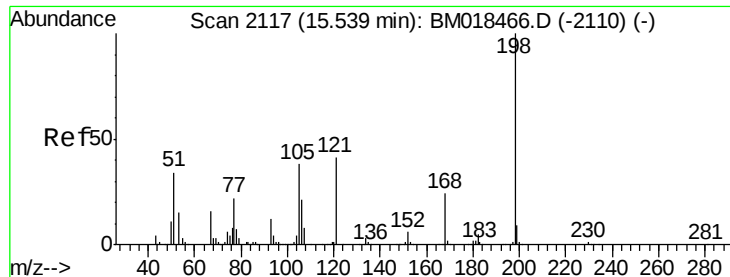
Ion Ratio Lower Upper

188 100

94 7.9 7.1 10.7

80 8.6 7.6 11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 36.950 ng

RT: 15.54 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

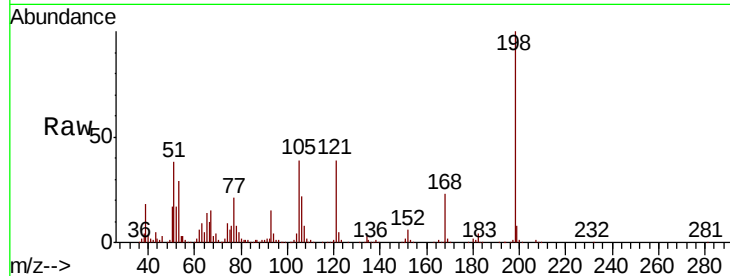
ClientSampleId :

QD-01-011019MSD

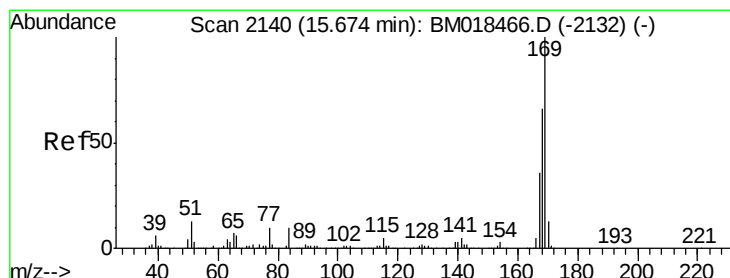
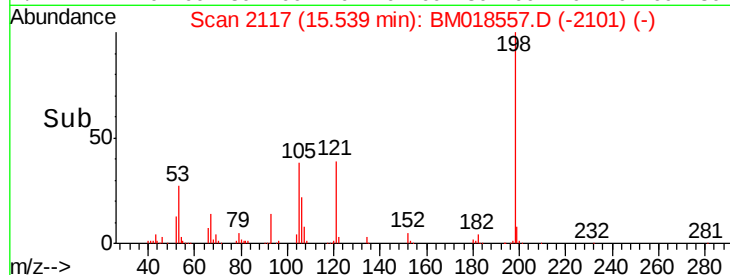
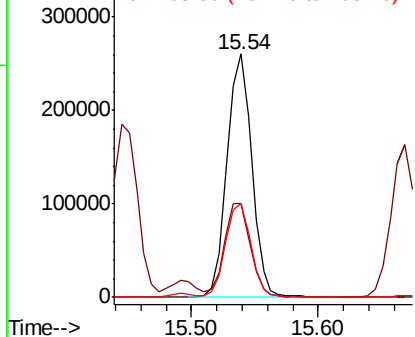
Tot Ion:	198	Resp:	353783
Ion Ratio	Lower	Upper	
198	100		
51	38.3	29.6	69.6
105	38.7	25.5	65.5

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



#66

n-Nitrosodiphenylamine

Concen: 35.999 ng

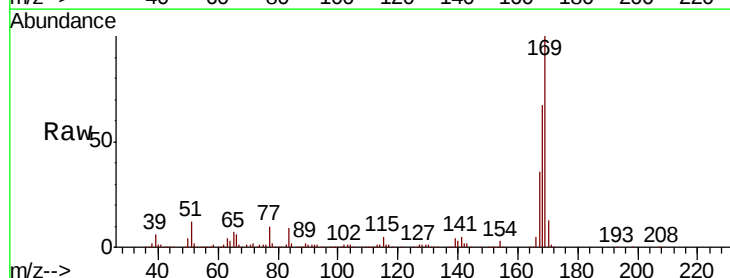
RT: 15.67 min Scan# 2139

Delta R.T. -0.01 min

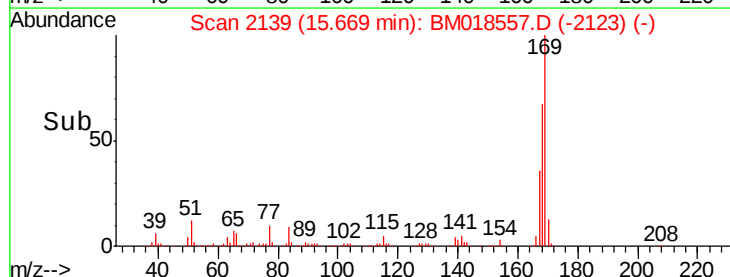
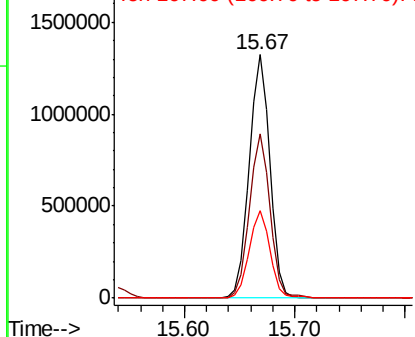
Lab File: BM018557.D

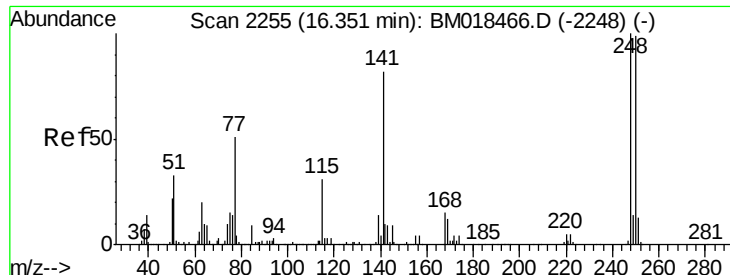
Acq: 14 Jan 2019 18:35

Tgt Ion:	169	Resp:	1743428
Ion Ratio	Lower	Upper	
169	100		
168	67.5	54.1	81.1
167	35.9	28.6	42.8



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





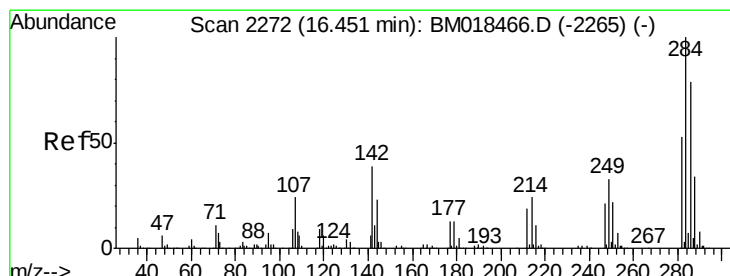
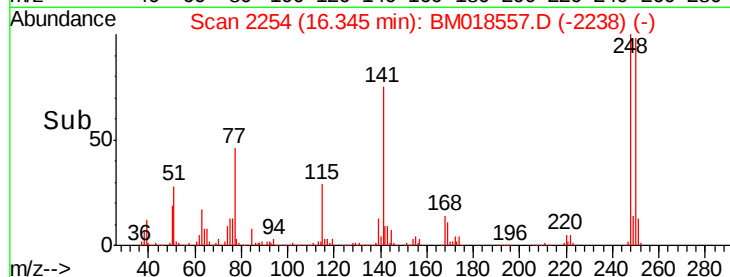
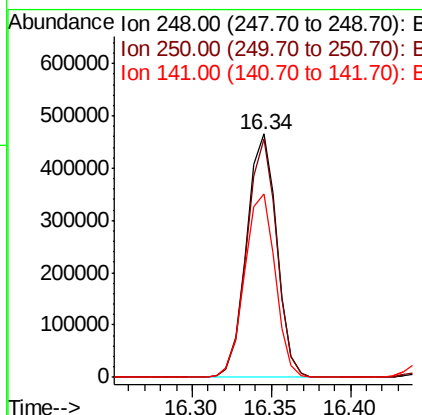
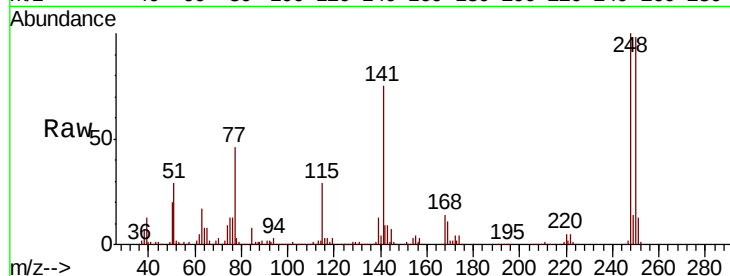
#67
4-Bromophenyl-phenylether
Concen: 35.230 ng
RT: 16.34 min Scan# 2254
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.0	114.0
141	75.5	61.5	92.3

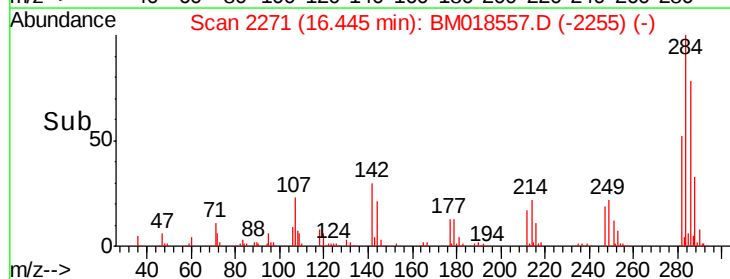
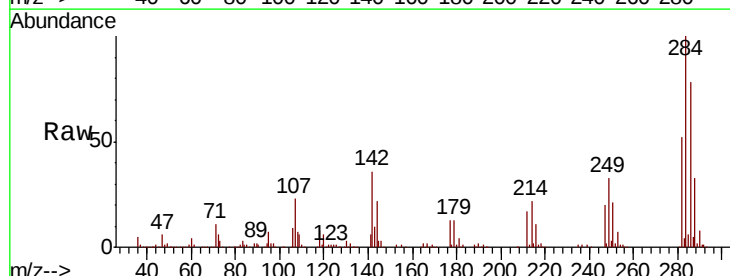
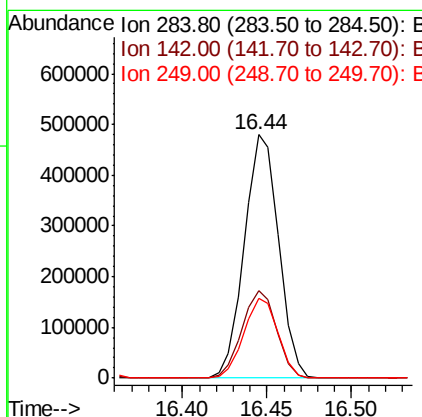
Manual Integrations
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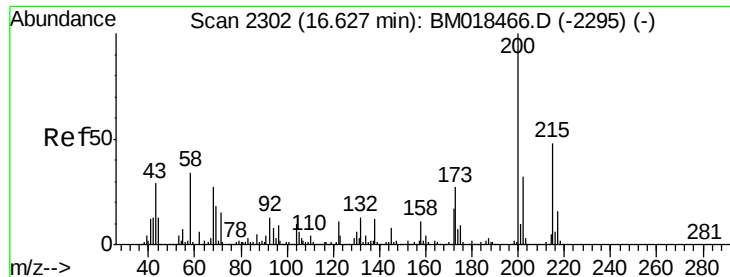
Sohil
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#68
Hexachlorobenzene
Concen: 34.694 ng
RT: 16.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.2	43.8
249	32.7	26.1	39.1





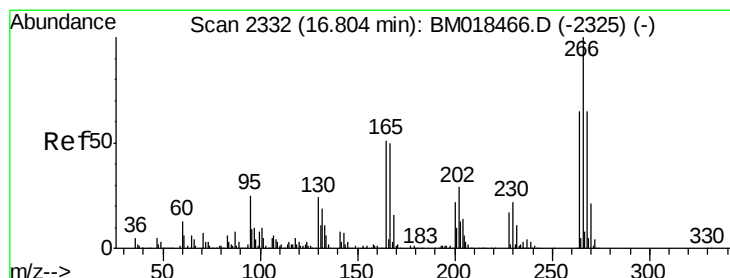
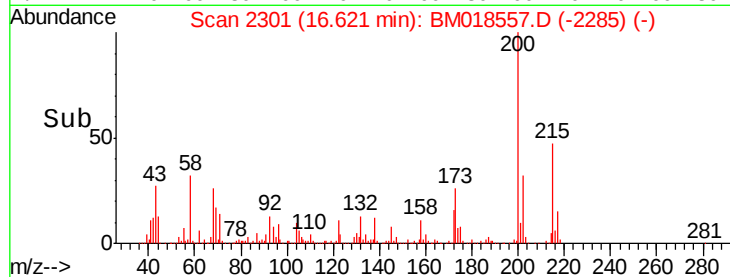
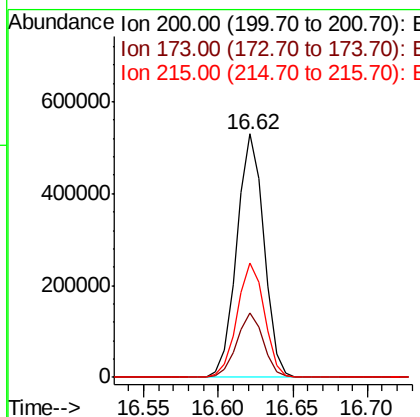
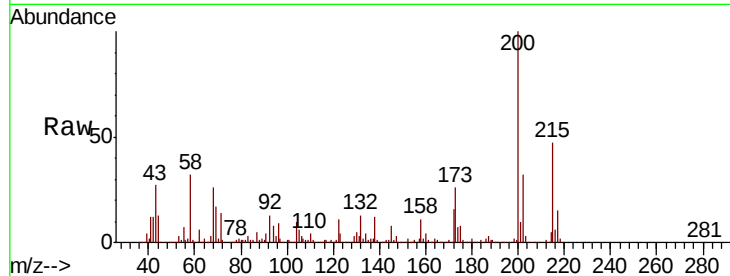
#69
Atrazine
Concen: 38.255 ng
RT: 16.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.2	47.2
215	46.8	28.3	68.3

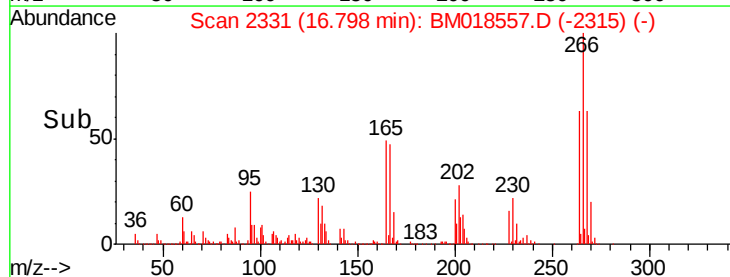
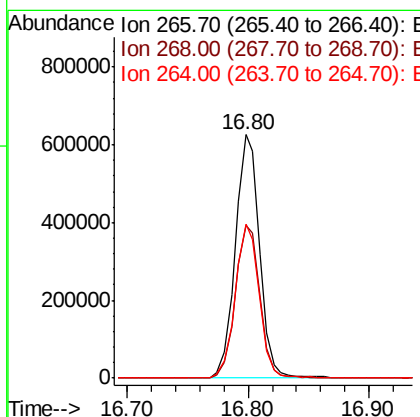
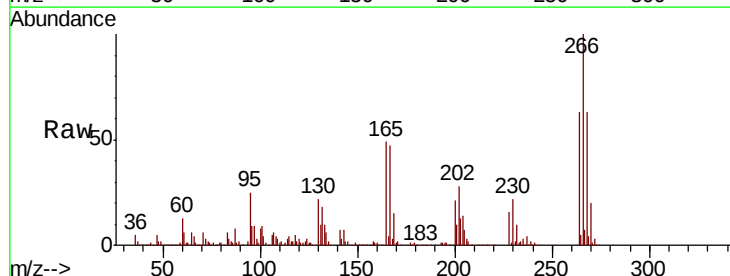
Manual Integrations
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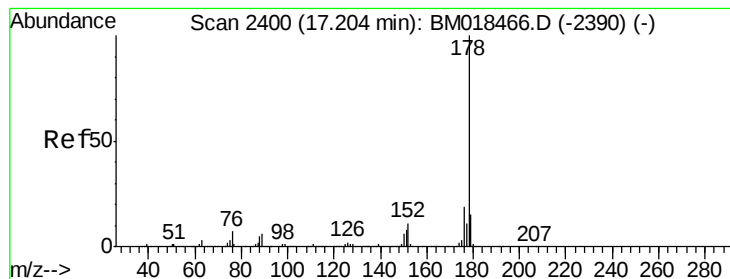
Sohil
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#70
Pentachlorophenol
Concen: 68.234 ng
RT: 16.80 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	49.8	74.6
264	63.2	50.1	75.1





#71

Phenanthrene

Concen: 38.174 ng

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:178 Resp: 3170118

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

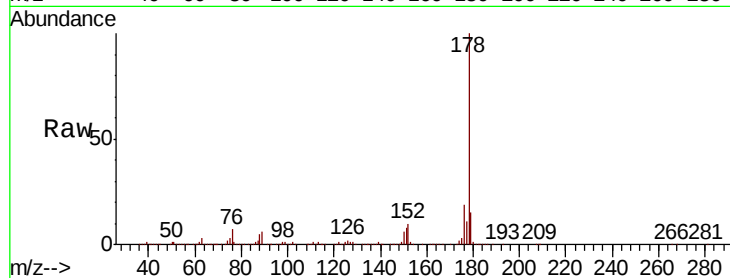
179 15.3 12.2 18.4

Manual Integrations

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Sohil

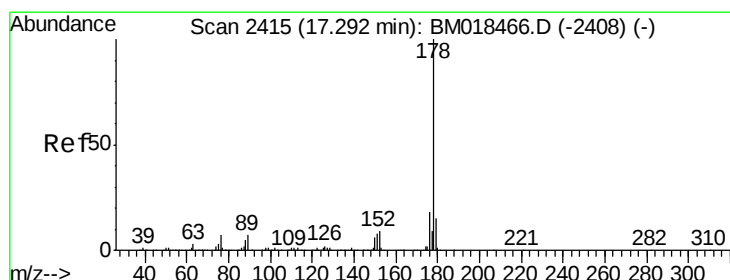
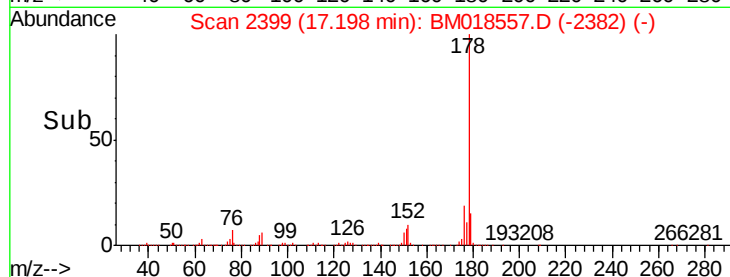
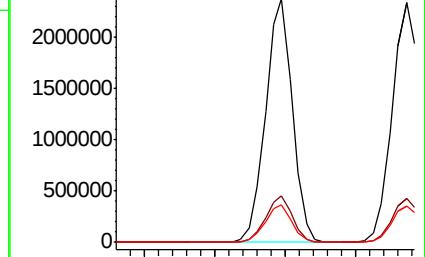
1/15/2019 12:20:10 PM



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: 40.721 ng

RT: 17.29 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

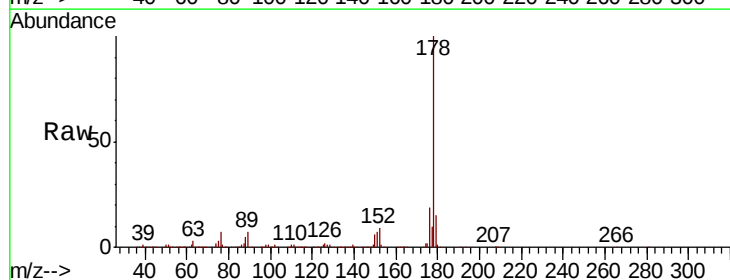
Tgt Ion:178 Resp: 3251785

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

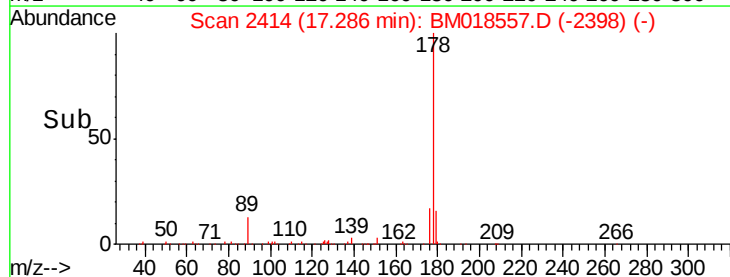
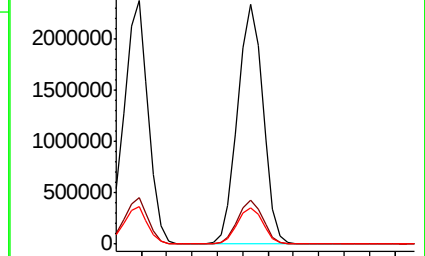
179 15.4 12.2 18.4

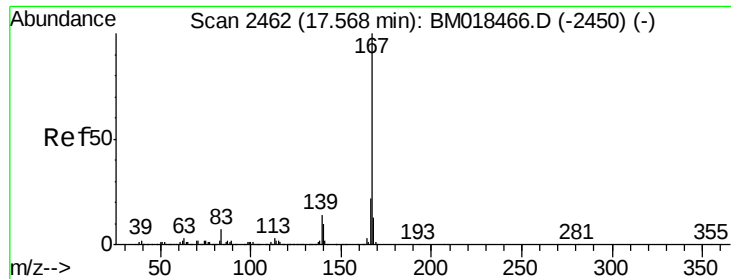


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





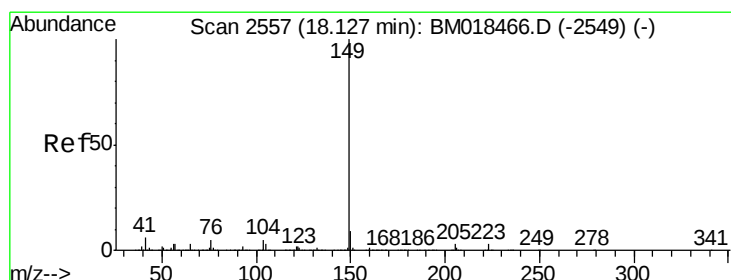
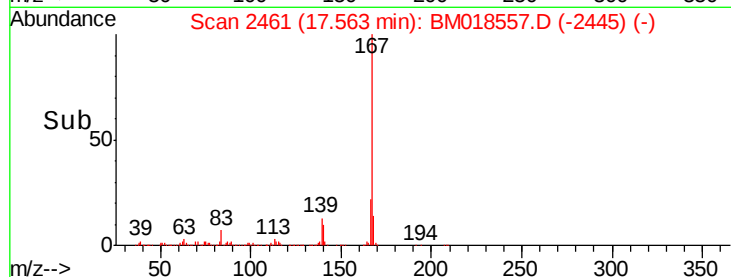
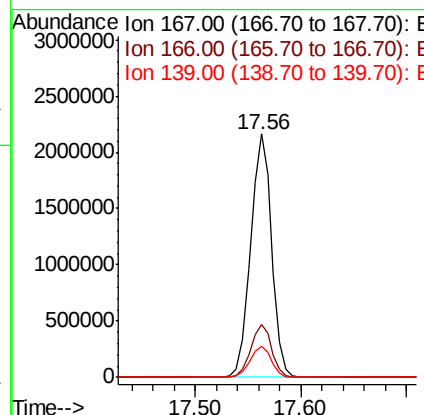
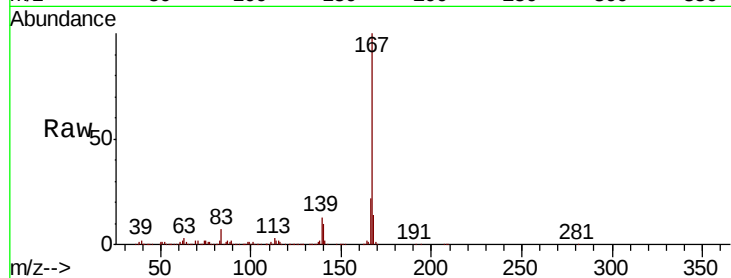
#73
 Carbazole
 Concen: 36.284 ng
 RT: 17.56 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	13.0	10.6	16.0

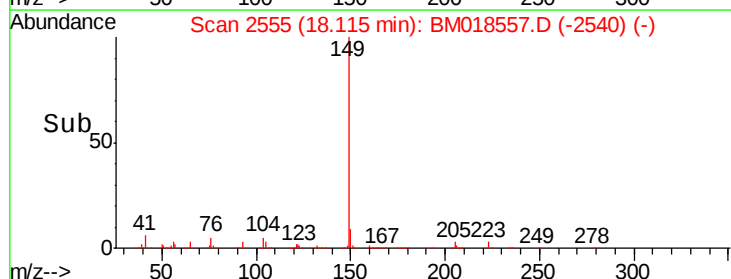
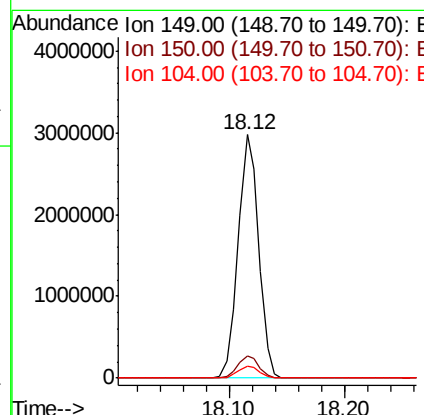
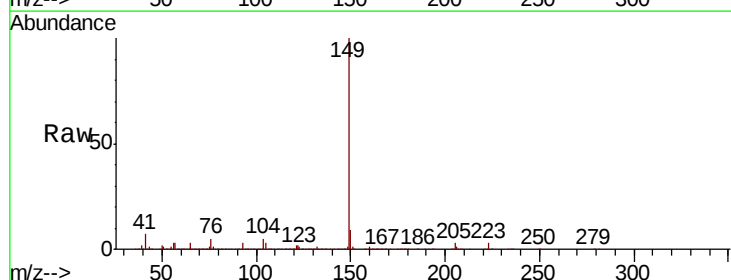
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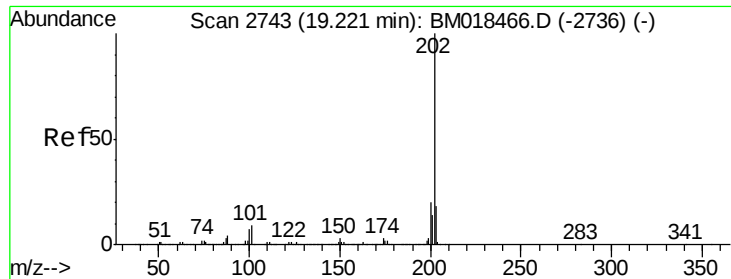
Sohil
 1/15/2019 12:20:10 PM



#74
 Di-n-butylphthalate
 Concen: 40.731 ng
 RT: 18.12 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BM018557.D
 Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.1	4.2	6.4





#75

Fluoranthene

Concen: 40.465 ng

RT: 19.22 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

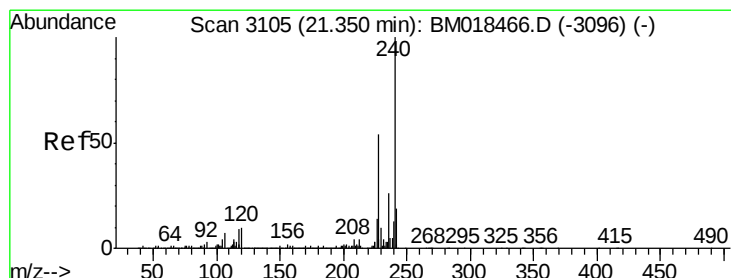
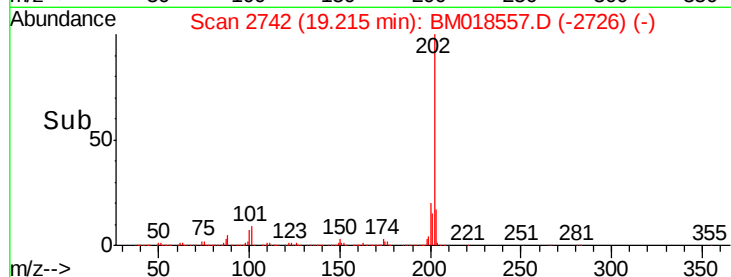
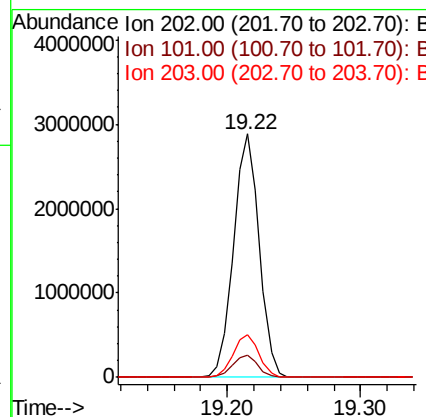
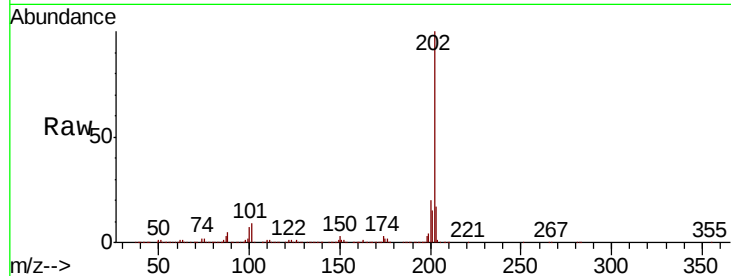
ClientSampleId :

QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.9
203	17.4	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

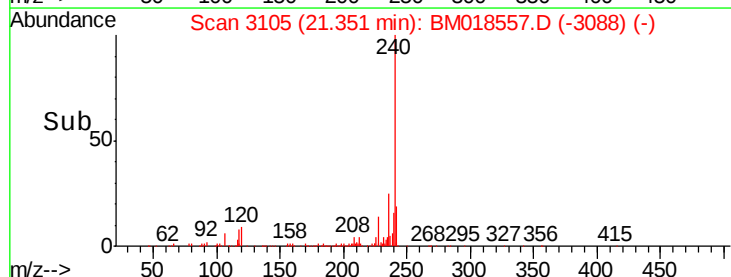
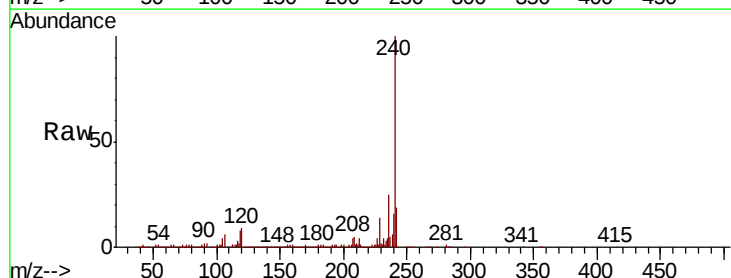
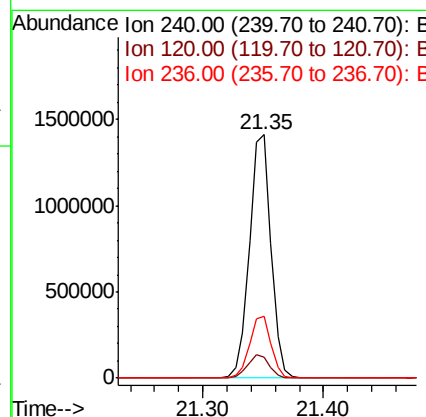
RT: 21.35 min Scan# 3105

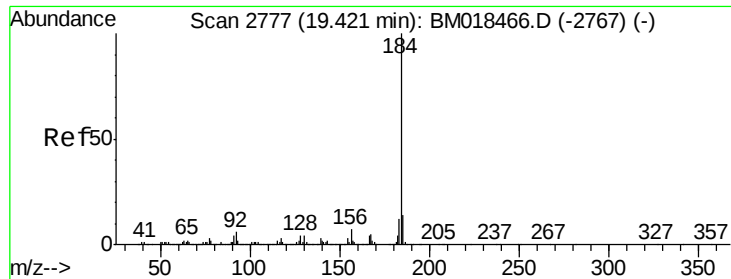
Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.4	12.6
236	25.5	20.7	31.1





#77

Benzidine

Concen: 40.823 ng

RT: 19.41 min Scan# 2775

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:184 Resp: 1777366

Ion Ratio Lower Upper

184 100

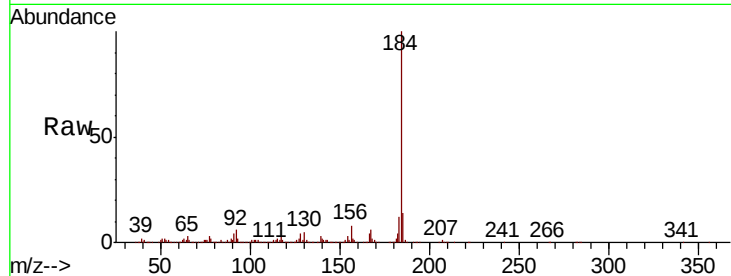
185 14.2 11.4 17.0

183 11.6 9.5 14.3

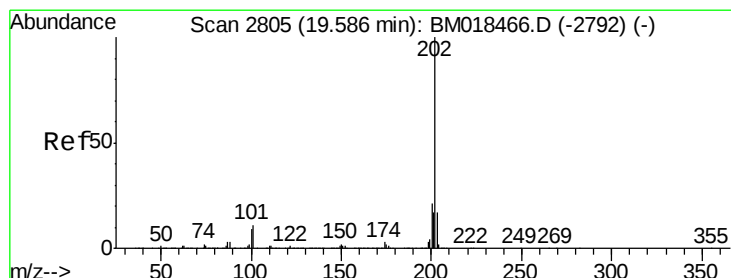
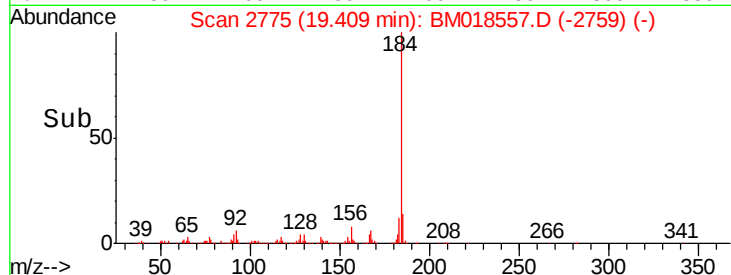
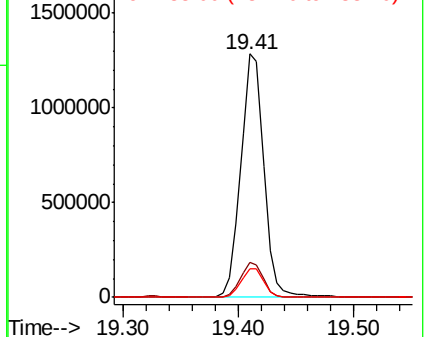
Manual Integrations
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 38.224 ng

RT: 19.58 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

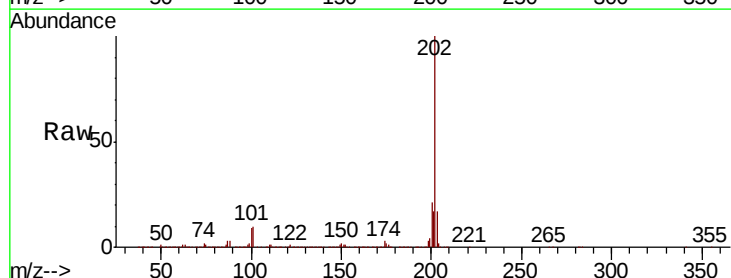
Tgt Ion:202 Resp: 3995117

Ion Ratio Lower Upper

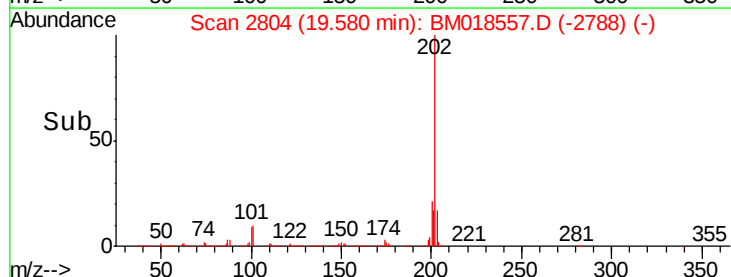
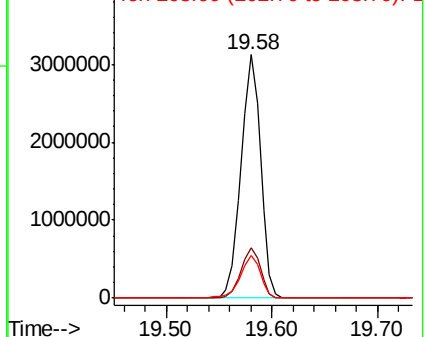
202 100

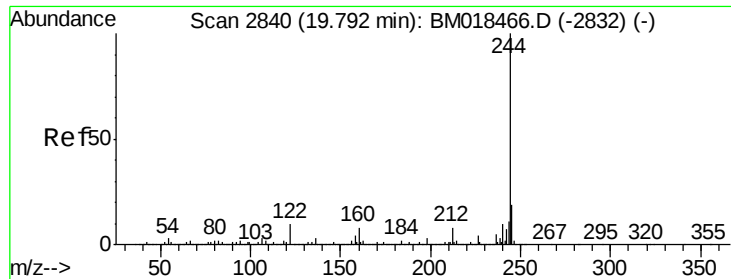
200 20.7 16.6 24.8

203 17.5 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: 71.024 ng

RT: 19.79 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:244 Resp: 5940842

Ion Ratio Lower Upper

244 100

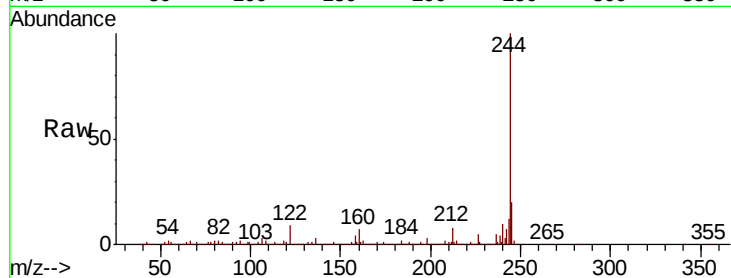
212 7.7 5.9 8.9

122 9.4 9.0 13.4

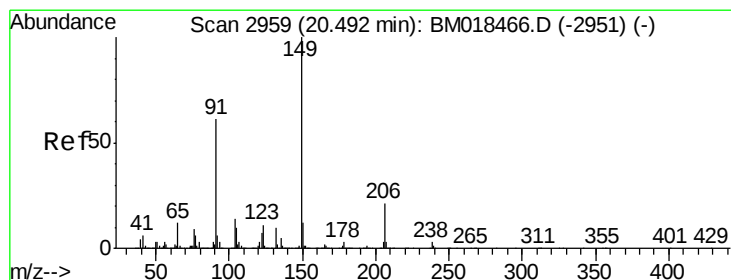
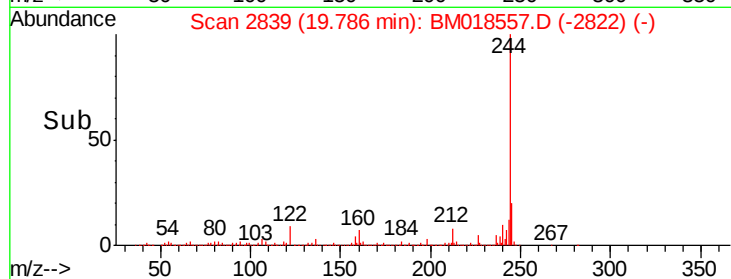
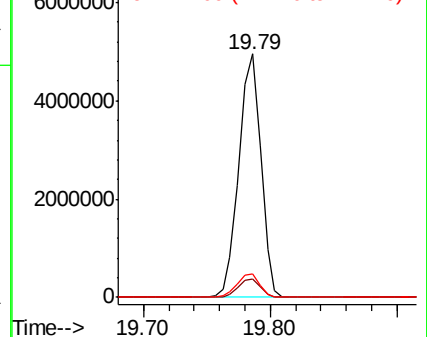
Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.145 ng

RT: 20.48 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

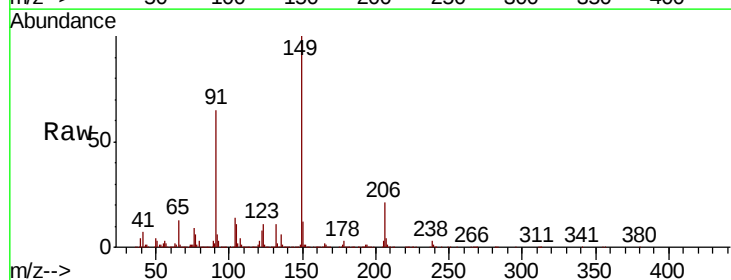
Tgt Ion:149 Resp: 1790420

Ion Ratio Lower Upper

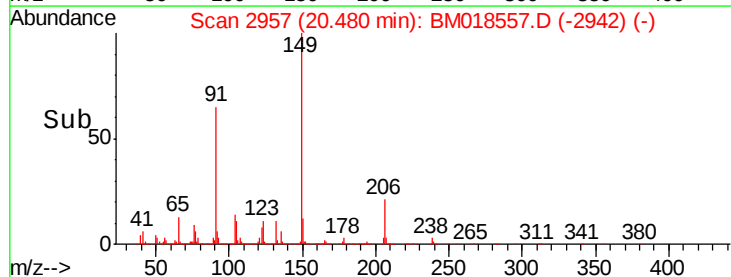
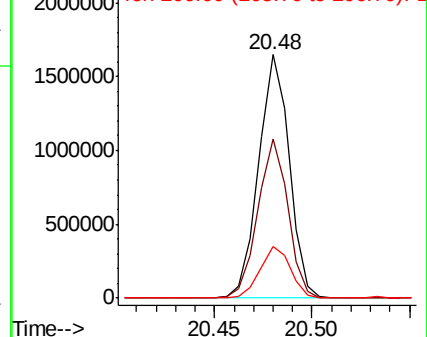
149 100

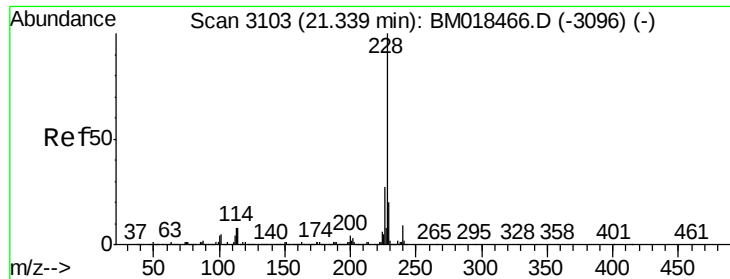
91 65.3 53.1 79.7

206 21.3 16.2 24.4



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





#81

Benzo(a)anthracene

Concen: 39.127 ng

RT: 21.33 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:228 Resp: 4064458

Ion Ratio Lower Upper

228 100

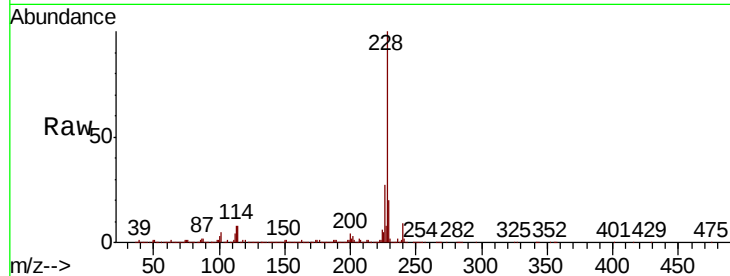
226 27.1 21.8 32.6

229 19.8 15.8 23.8

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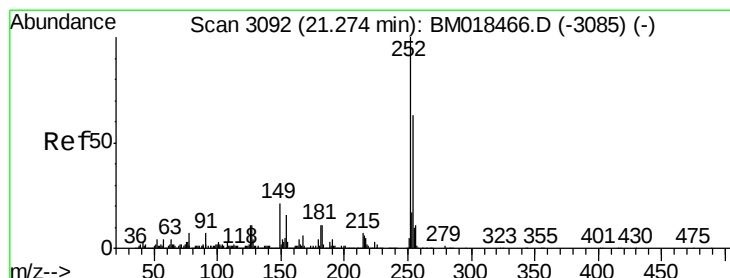
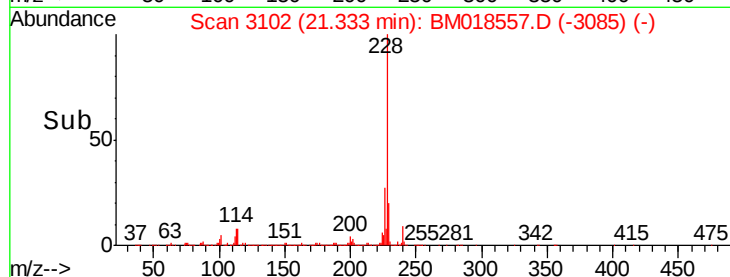
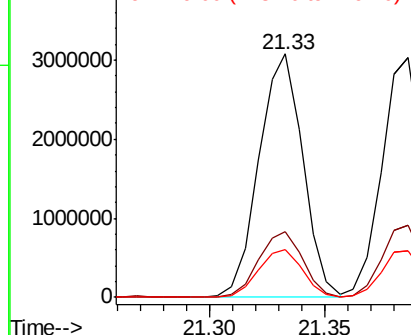


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.916 ng

RT: 21.27 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

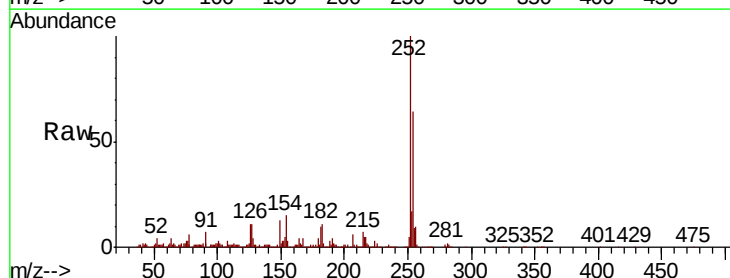
Tgt Ion:252 Resp: 900148

Ion Ratio Lower Upper

252 100

254 64.1 51.4 77.0

126 10.6 8.7 13.1

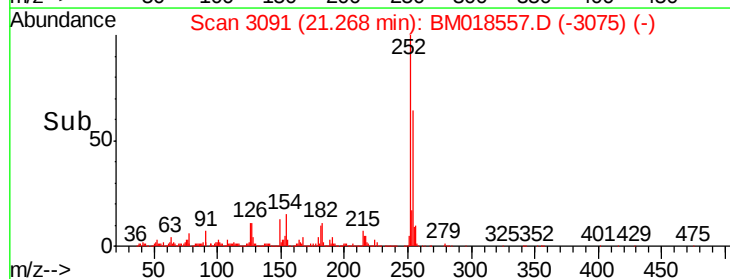
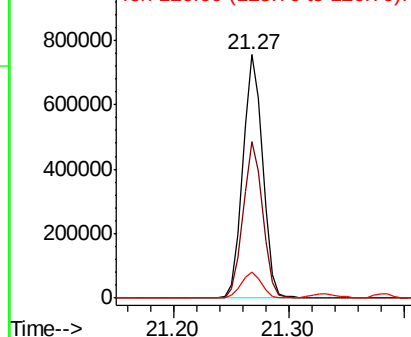


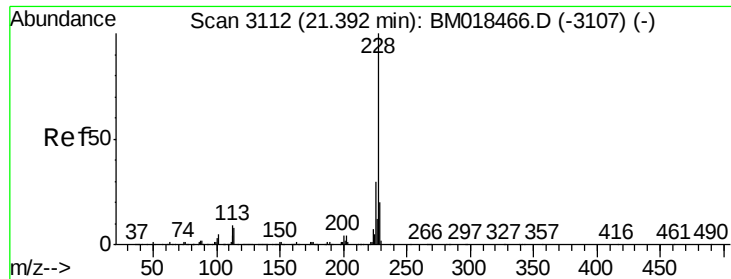
Abundance

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





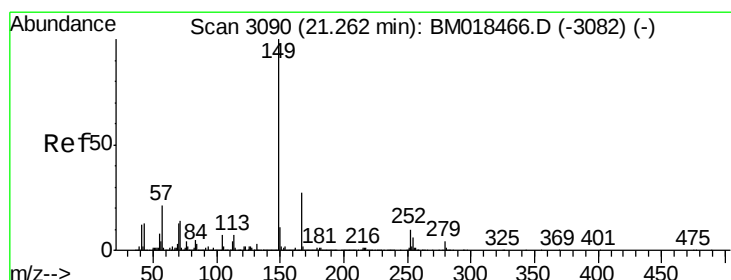
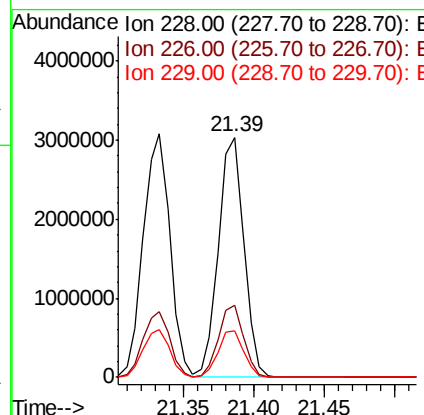
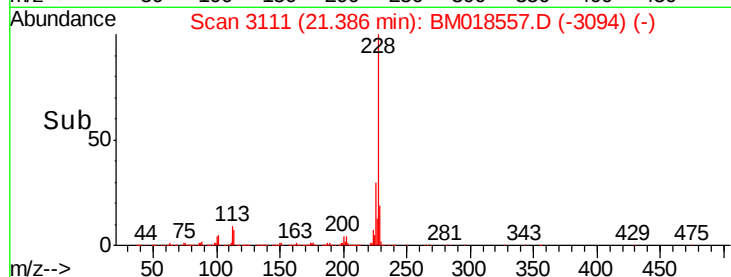
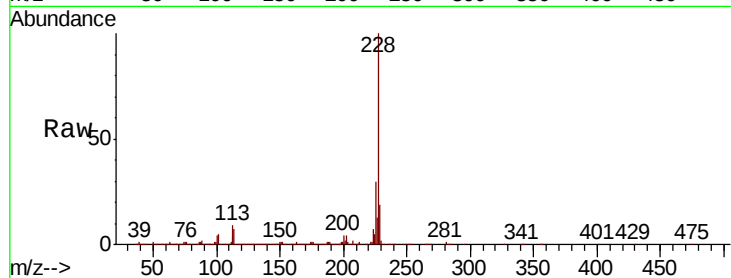
#83
Chrysene
Concen: 38.006 ng
RT: 21.39 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion:228 Resp: 3812332
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 19.5 15.6 23.4

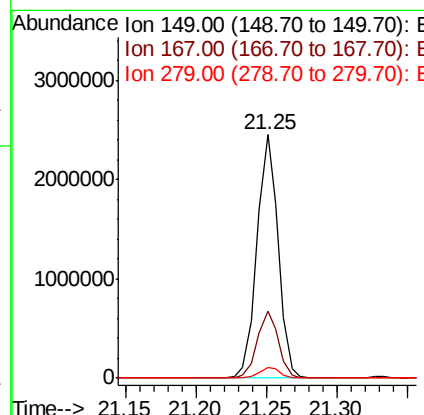
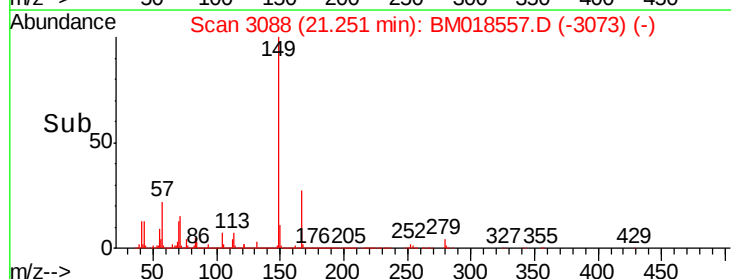
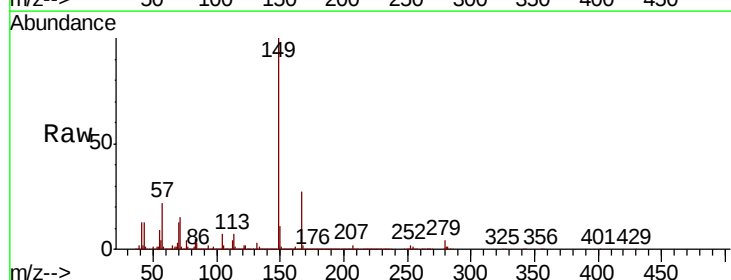
Manual Integrations
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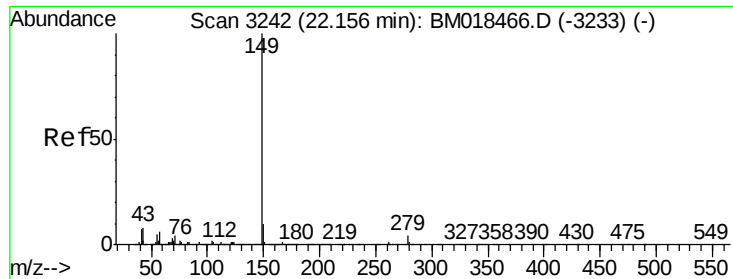
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.143 ng
RT: 21.25 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion:149 Resp: 2585293
Ion Ratio Lower Upper
149 100
167 27.5 21.6 32.4
279 4.2 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 42.535 ng

RT: 22.14 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tot Ion:149 Resp: 4607253

Ion Ratio Lower Upper

149 100

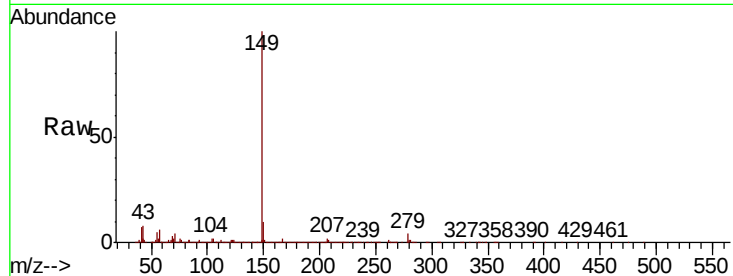
167 1.6 1.3 1.9

43 8.5 8.6 12.8#

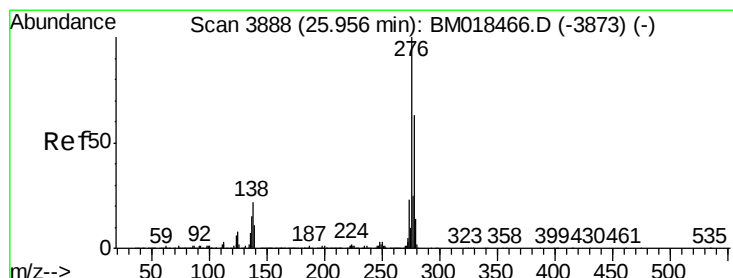
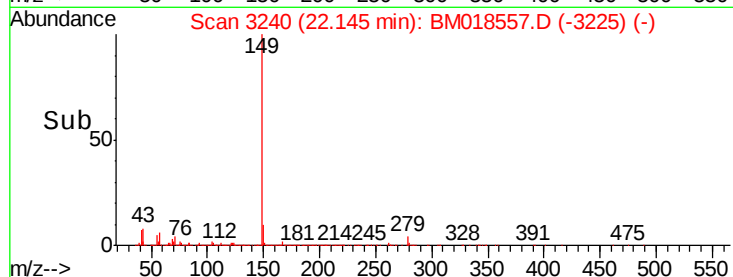
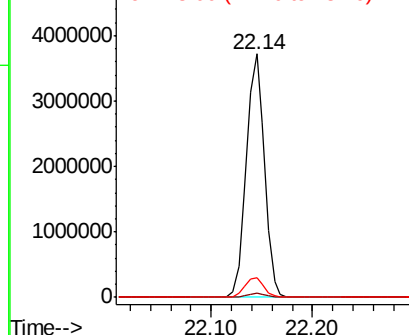
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.921 ng

RT: 25.96 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BM018557.D

Acq: 14 Jan 2019 18:35

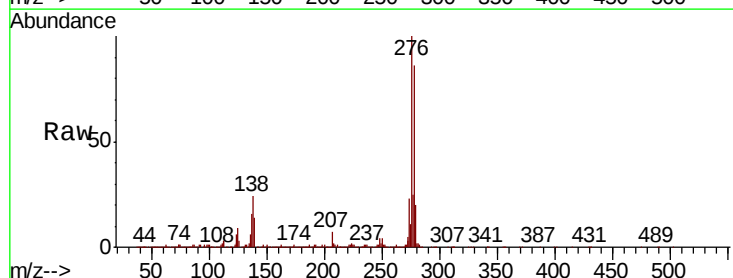
Tgt Ion:276 Resp: 4964603

Ion Ratio Lower Upper

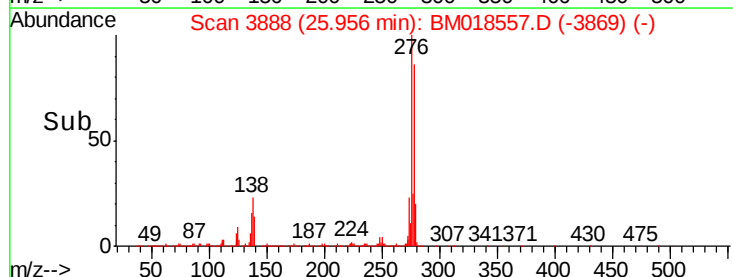
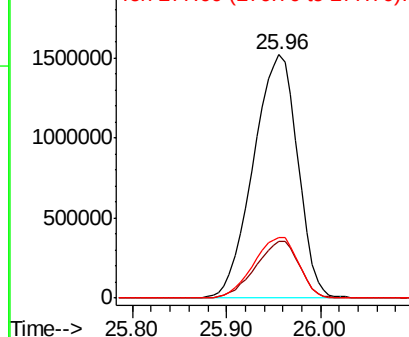
276 100

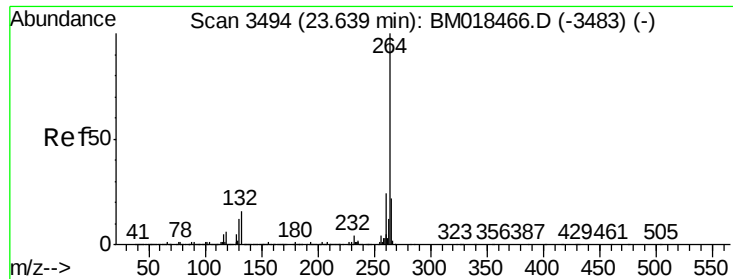
138 23.2 21.5 32.3

277 25.3 20.2 30.2



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





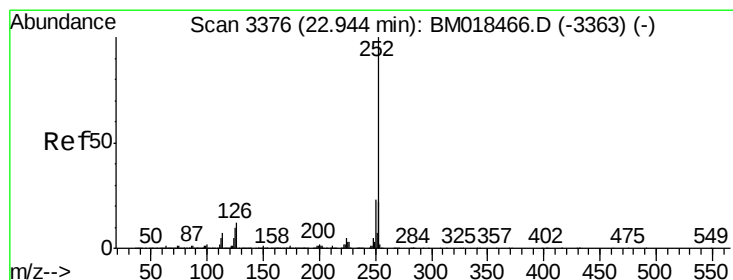
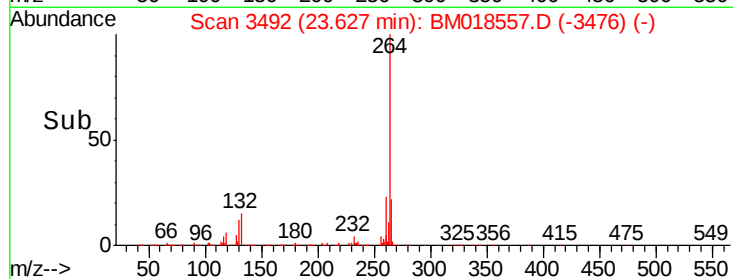
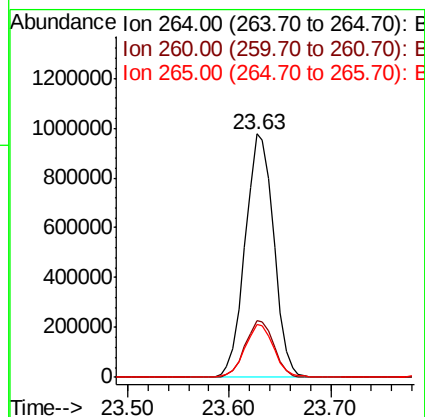
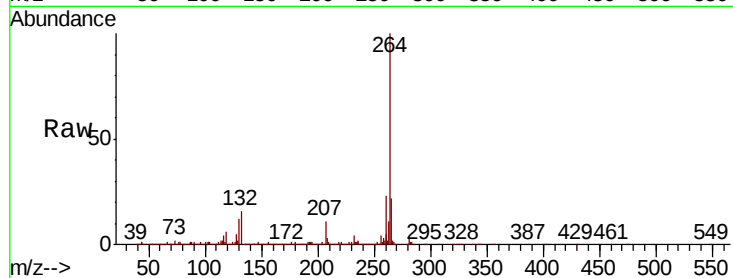
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3492
Delta R.T. -0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.9	16.8	25.2

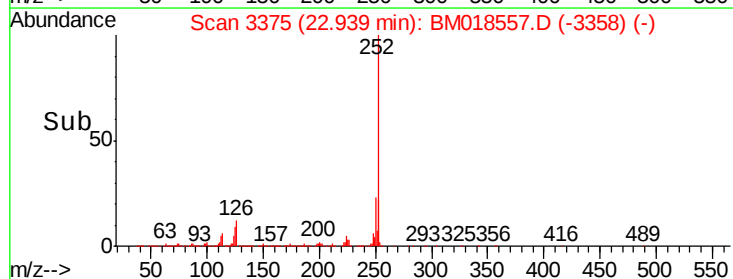
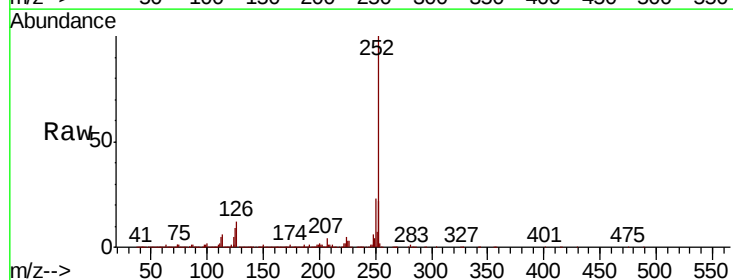
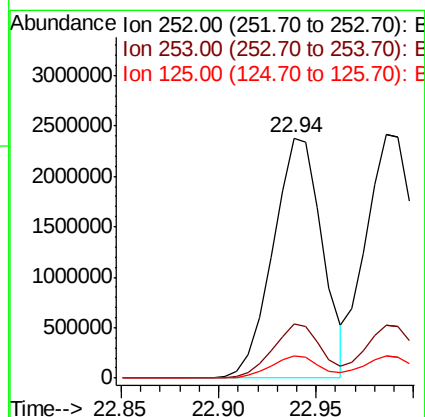
Manual Integrations
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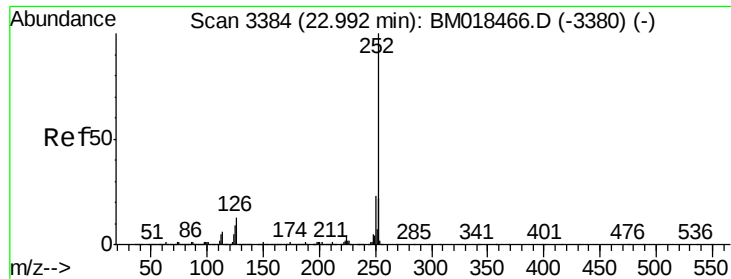
Sohil
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#88
Benzo(b)fluoranthene
Concen: 38.385 ng
RT: 22.94 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	9.3	8.5	12.7





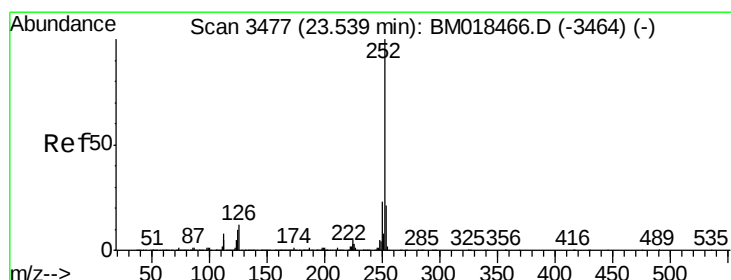
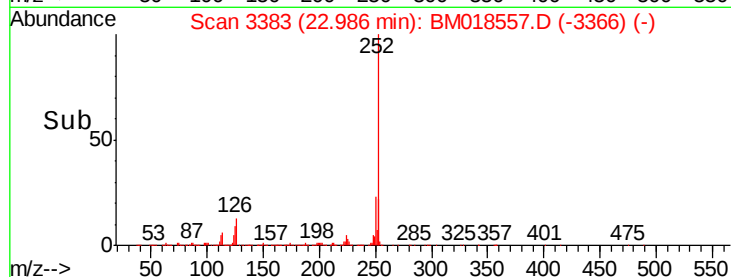
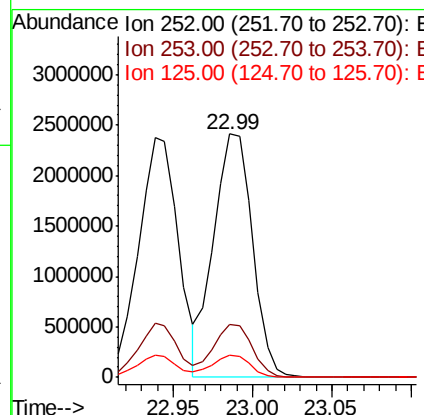
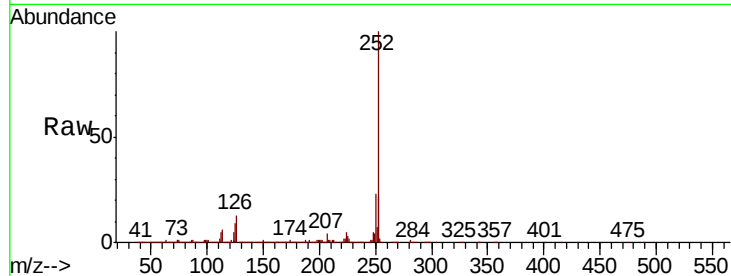
#89
Benzo(k)fluoranthene
Concen: 37.566 ng
RT: 22.99 min Scan# 3383
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion:252 Resp: 4105382
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 9.3 8.6 12.8

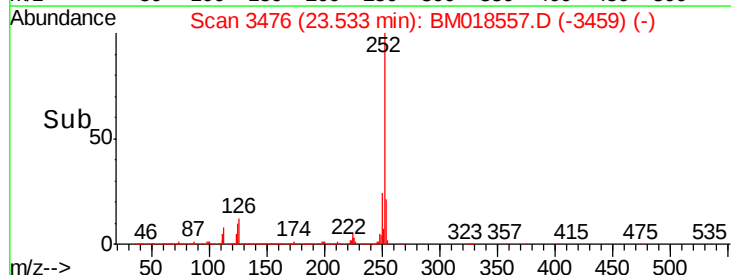
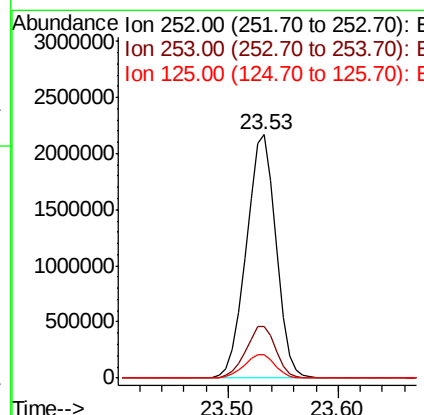
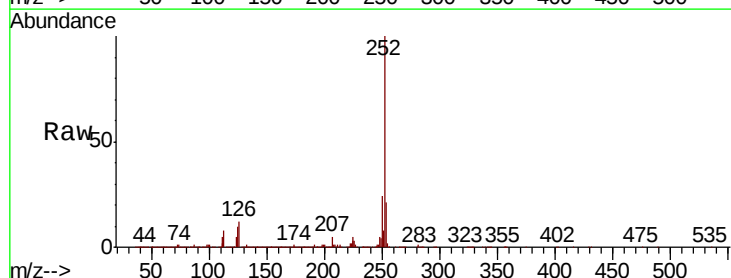
Manual Integrations
APPROVED

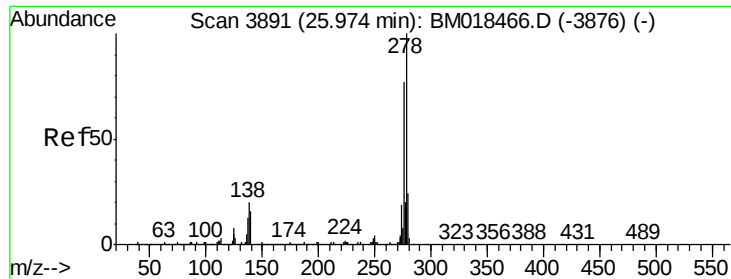
Sohil
1/15/2019 12:20:10 PM



#90
Benzo(a)pyrene
Concen: 39.632 ng
RT: 23.53 min Scan# 3476
Delta R.T. 0.00 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion:252 Resp: 4114507
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 9.6 9.7 14.5#





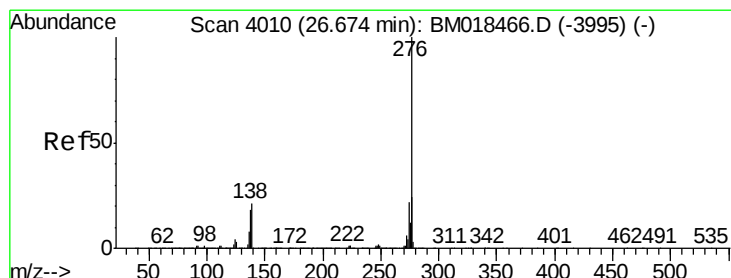
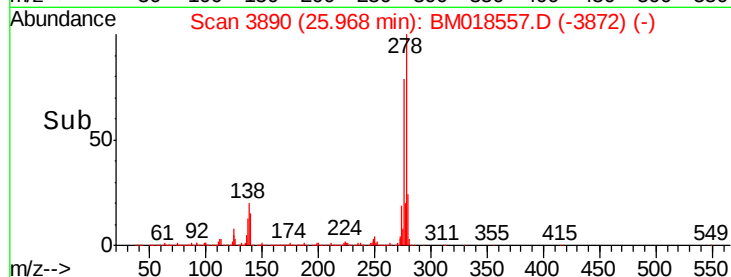
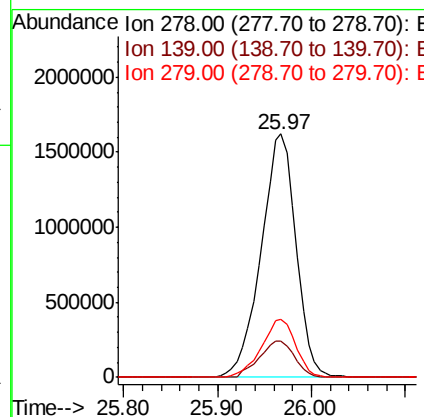
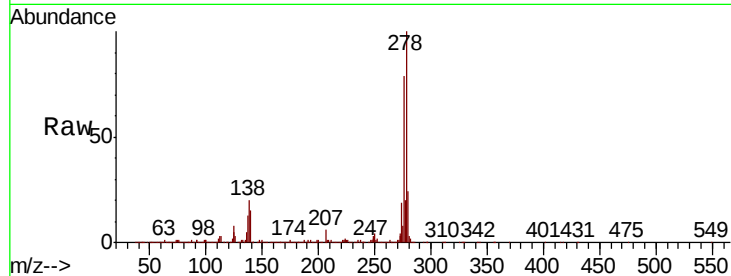
#91
Dibenzo(a,h)anthracene
Concen: 39.583 ng
RT: 25.97 min Scan# 3890
Delta R.T. 0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.2	19.8
279	23.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
1/15/2019 12:20:10 PM



#92
Benzo(g,h,i)perylene
Concen: 40.081 ng
RT: 26.67 min Scan# 4009
Delta R.T. 0.01 min
Lab File: BM018557.D
Acq: 14 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	19.3	18.1	27.1

