

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\
 Data File : BM019186.D
 Acq On : 15 Mar 2019 15:00
 Operator : JU/SJ
 Sample : K1905-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Manual Integrations
 APPROVED

Sohil
 3/18/2019 3:04:27 PM

Quant Time: Mar 18 07:57:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	200319	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	936297	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	596574	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1365943	20.00	ng	-0.01
76) Chrysene-d12	21.27	240	1350884	20.00	ng	0.00
87) Perylene-d12	23.50	264	1172952	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1603763	129.66	ng	0.00
7) Phenol-d6	6.84	99	2445771	135.18	ng	0.00
23) Nitrobenzene-d5	8.82	82	1499277	75.69	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	1091271	123.89	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	3081887	67.20	ng	-0.01
79) Terphenyl-d14	19.70	244	4833480	71.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.22	88	150965	27.435	ng	99
3) Pyridine	3.62	79	438925	29.320	ng	99
4) n-Nitrosodimethylamine	3.53	42	142120	30.537	ng	92
6) Aniline	7.00	93	598959	25.641	ng	99
8) 2-Chlorophenol	7.22	128	556588	37.445	ng	99
9) Benzaldehyde	6.82	77	218644	19.212	ng	100
10) Phenol	6.87	94	902029	46.261	ng	98
11) bis(2-Chloroethyl)ether	7.10	93	498028	33.472	ng	97
12) 1,3-Dichlorobenzene	7.54	146	509465	32.388	ng	99
13) 1,4-Dichlorobenzene	7.69	146	526685	32.842	ng	98
14) 1,2-Dichlorobenzene	8.00	146	515746	33.055	ng	99
15) Benzyl Alcohol	7.91	79	549956	36.727	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.17	45	500684	32.956	ng	99
17) 2-Methylphenol	8.10	107	508139	39.991	ng	99
18) Hexachloroethane	8.71	117	191417	32.121	ng	97
19) n-Nitroso-di-n-propylamine	8.46	70	499967	33.683	ng	100
20) 3+4-Methylphenols	8.43	107	704849	40.867	ng	99
22) Acetophenone	8.49	105	831755	32.145	ng	100
24) Nitrobenzene	8.87	77	710901	34.510	ng	98
25) Isophorone	9.39	82	1303684	34.493	ng	99
26) 2-Nitrophenol	9.57	139	308705	36.153	ng	99
27) 2,4-Dimethylphenol	9.63	122	559419	44.069	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	776692	34.706	ng	100
29) 2,4-Dichlorophenol	10.09	162	577850	41.101	ng	99
30) 1,2,4-Trichlorobenzene	10.30	180	547277	34.522	ng	99
31) Naphthalene	10.49	128	1709228	34.635	ng	100
32) Benzoic acid	9.77	122	196742m	18.300	ng	
33) 4-Chloroaniline	10.62	127	428878	21.200	ng	99
34) Hexachlorobutadiene	10.75	225	291508	32.043	ng	99
35) Caprolactam	11.45	113	191396m	38.217	ng	
36) 4-Chloro-3-methylphenol	11.75	107	683426	39.396	ng	98
37) 2-Methylnaphthalene	12.11	142	1313615	36.631	ng	99
38) 1-Methylnaphthalene	12.33	142	1250888	35.389	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.47	216	630701	33.421	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.44	237	557467	65.217	nq	99
43) 2,4,6-Trichlorophenol	12.73	196	478691	39.252	nq	98
44) 2,4,5-Trichlorophenol	12.81	196	503006	38.571	nq	100
46) 1,1'-Biphenyl	13.13	154	1732114	33.246	nq	99
47) 2-Chloronaphthalene	13.18	162	1343508	34.547	nq	99
48) 2-Nitroaniline	13.41	65	486477	37.300	nq	95
49) Acenaphthylene	14.03	152	2233034	33.960	nq	100
50) Dimethylphthalate	13.78	163	1961519	38.435	nq	99
51) 2,6-Dinitrotoluene	13.91	165	394548	35.764	nq	97
52) Acenaphthene	14.37	154	1313116	34.754	nq	99
53) 3-Nitroaniline	14.24	138	284527	24.351	nq	99
54) 2,4-Dinitrophenol	14.46	184	297522	46.438	nq	98
55) Dibenzofuran	14.71	168	2143027	35.170	nq	99
56) 4-Nitrophenol	14.56	139	673928	70.643	nq	98
57) 2,4-Dinitrotoluene	14.70	165	565937	35.340	nq	98
58) Fluorene	15.36	166	1769532	35.232	nq	100
59) 2,3,4,6-Tetrachlorophenol	14.94	232	460398	37.923	nq	100
60) Diethylphthalate	15.14	149	1811767	35.053	nq	99
61) 4-Chlorophenyl-phenylether	15.36	204	850661	34.872	nq	100
62) 4-Nitroaniline	15.42	138	372375	31.624	nq	98
63) Azobenzene	15.65	77	1925366	35.400	nq	100
65) 4,6-Dinitro-2-methylphenol	15.46	198	245984	27.481	nq	98
66) n-Nitrosodiphenylamine	15.58	169	1538899	35.388	nq	100
67) 4-Bromophenyl-phenylether	16.26	248	516664	34.300	nq	97
68) Hexachlorobenzene	16.36	284	609586	34.040	nq	97
69) Atrazine	16.54	200	537701	36.731	nq	99
70) Pentachlorophenol	16.72	266	749686	69.484	nq	100
71) Phenanthrene	17.11	178	2834994	35.410	nq	100
72) Anthracene	17.20	178	2829680	36.103	nq	100
73) Carbazole	17.48	167	2545232	34.406	nq	99
74) Di-n-butylphthalate	18.03	149	3218612	35.980	nq	100
75) Fluoranthene	19.13	202	3410903	37.128	nq	99
77) Benzidine	19.33	184	1734111	45.263	nq	99
78) Pyrene	19.50	202	3378823	39.531	nq	100
80) Butylbenzylphthalate	20.40	149	1506901	40.478	nq	97
81) Benzo(a)anthracene	21.25	228	2878562	33.966	nq	100
82) 3,3'-Dichlorobenzidine	21.19	252	836571	25.624	nq	98
83) Chrysene	21.30	228	2790719	34.037	nq	100
84) Bis(2-ethylhexyl)phthalate	21.17	149	2242607	41.407	nq	100
85) Di-n-octyl phthalate	22.05	149	3730169	40.901	nq	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	2709593	30.700	nq	100
88) Benzo(b)fluoranthene	22.83	252	2731365	35.937	nq	99
89) Benzo(k)fluoranthene	22.87	252	2605363	37.269	nq	99
90) Benzo(a)pyrene	23.40	252	2464539	36.083	nq	99
91) Dibenzo(a,h)anthracene	25.77	278	2312863	35.398	nq	100
92) Benzo(g,h,i)perylene	26.46	276	2157570	35.967	nq	99

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

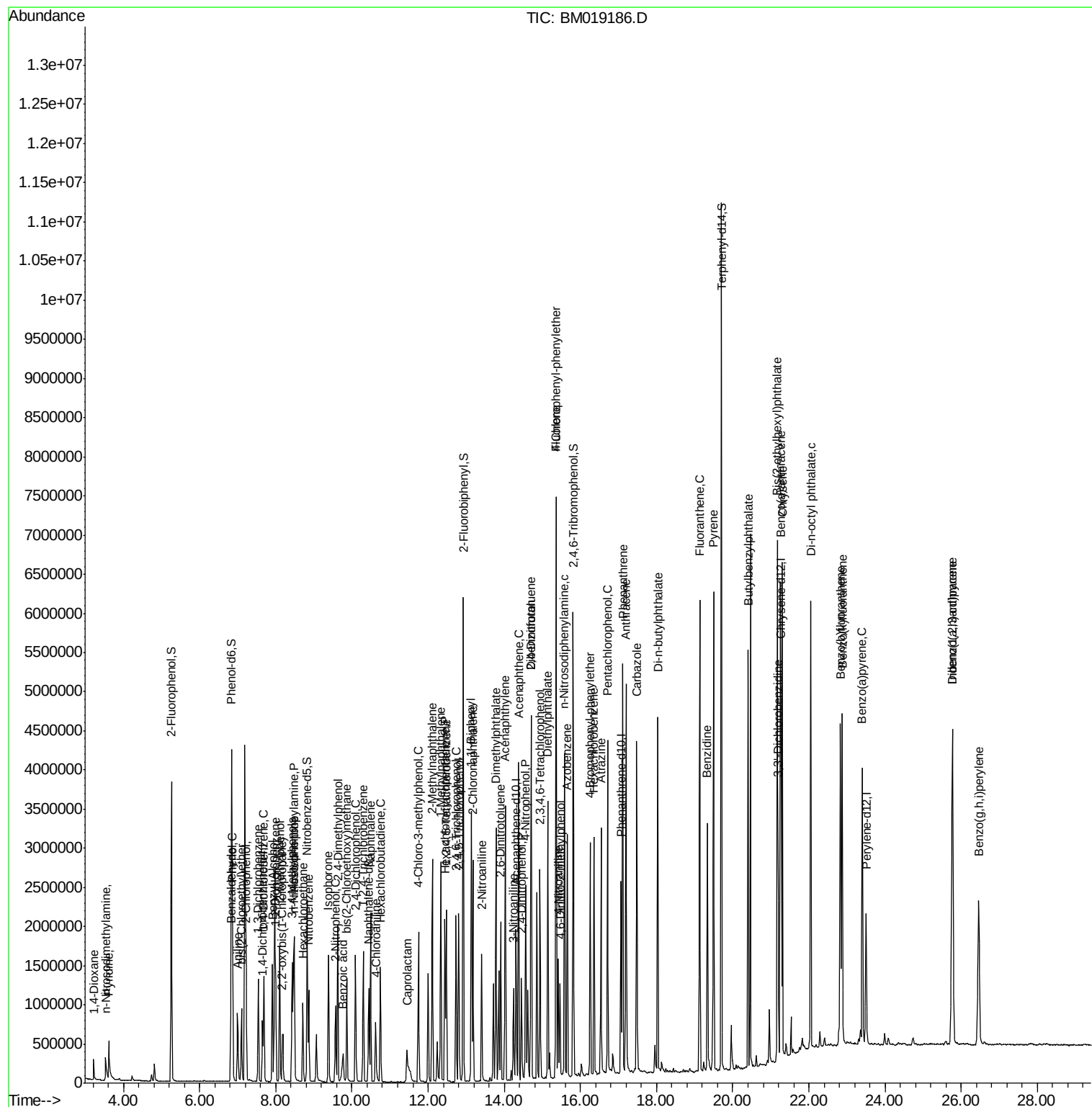
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\
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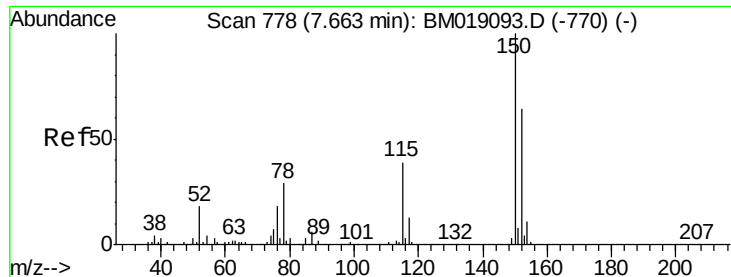
Instrument :
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#1

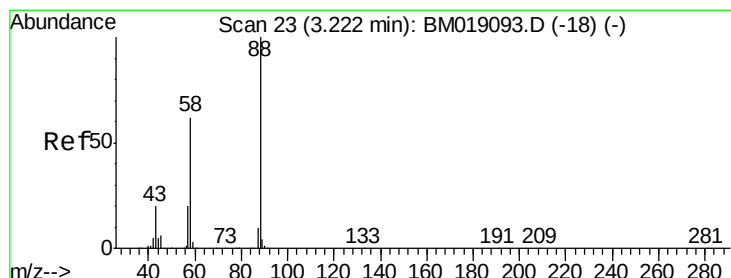
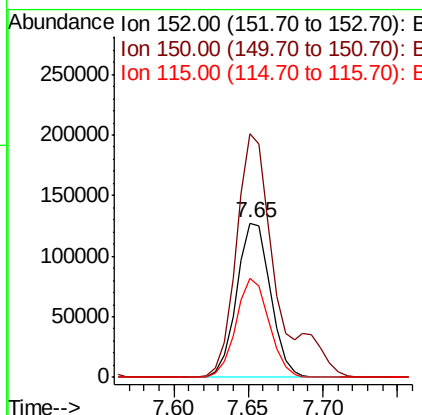
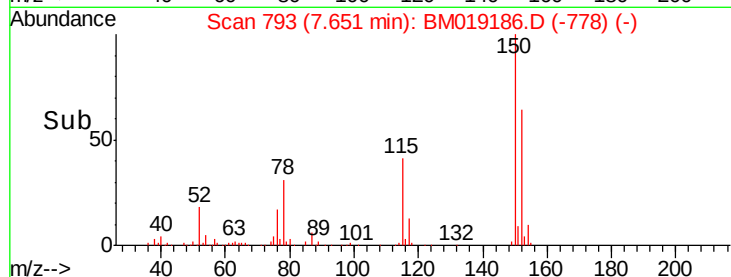
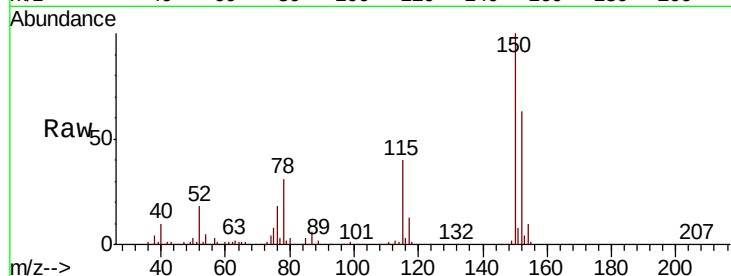
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.3	187.9
115	63.8	49.4	74.0

Manual Integrations
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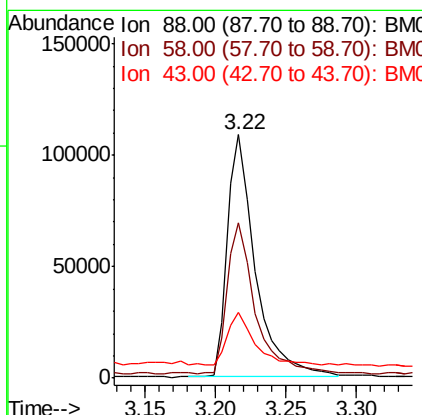
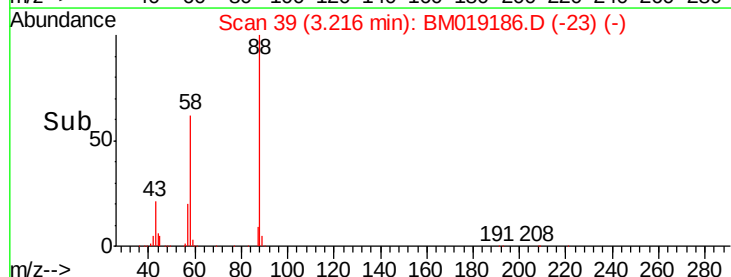
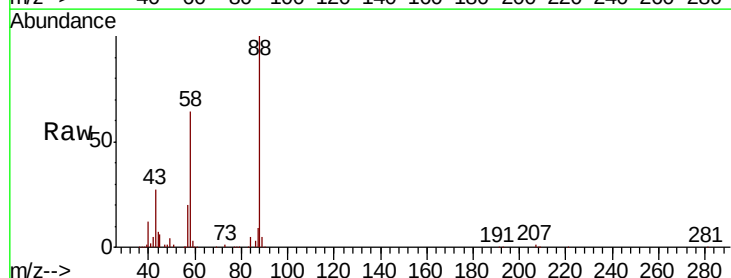
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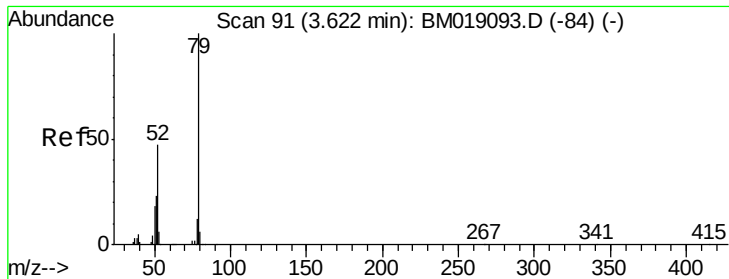


#2

1,4-Dioxane
Concen: 27.435 ng
RT: 3.22 min Scan# 39
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.6	50.0	75.0
43	20.3	17.0	25.4





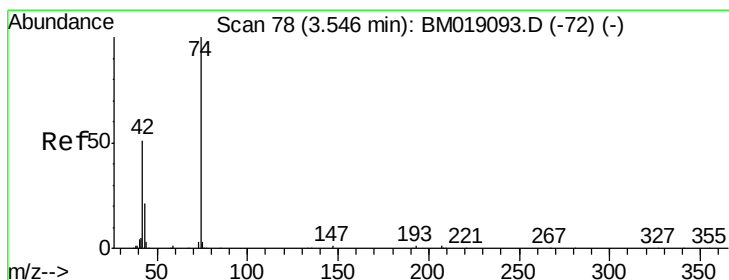
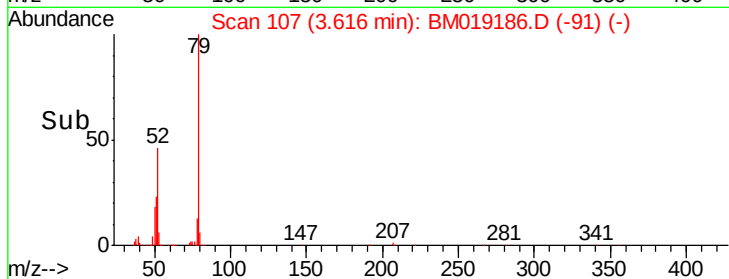
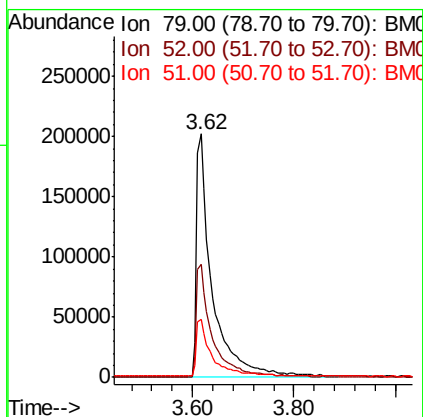
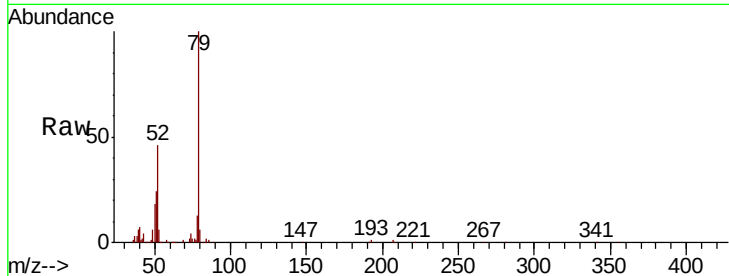
#3
 Pvridine
 Concen: 29.320 ng
 RT: 3.62 min Scan# 107
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	46.3	37.5	56.3
51	23.7	19.2	28.8

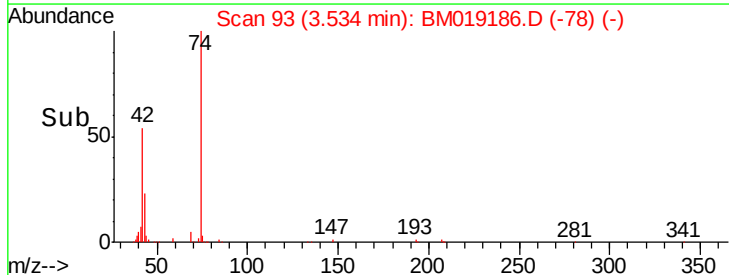
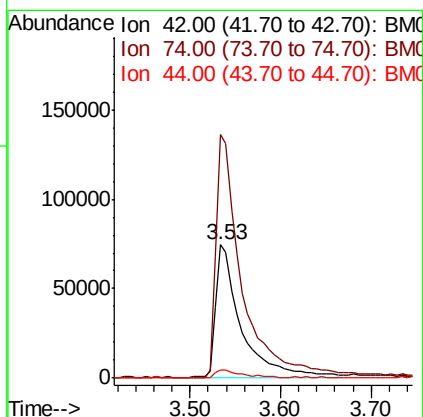
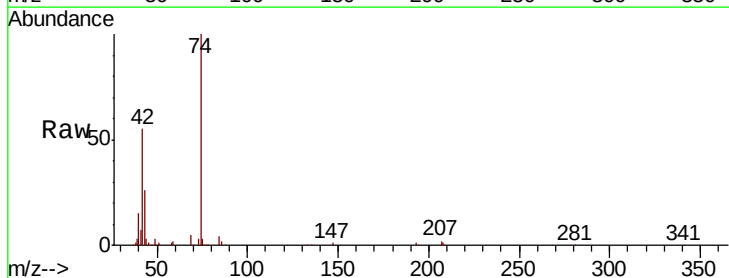
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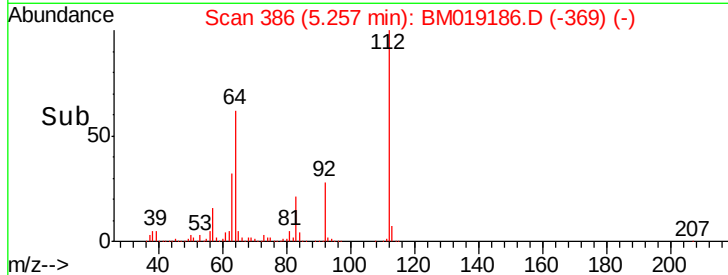
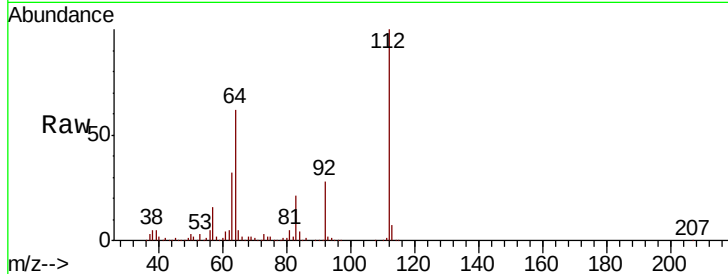
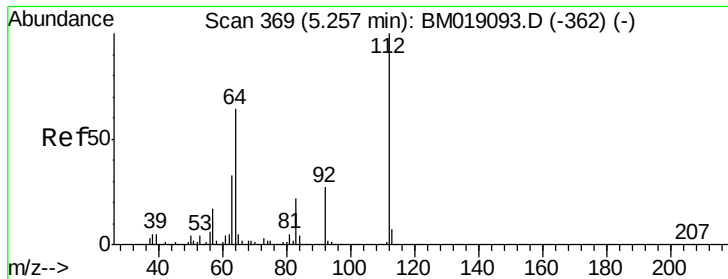
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#4
 n-Nitrosodimethylamine
 Concen: 30.537 ng
 RT: 3.53 min Scan# 93
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
42	100		
74	183.1	156.3	234.5
44	6.2	4.6	7.0





#5

2-Fluorophenol

Concen: 129.656 ng

RT: 5.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tot Ion:	112	Resp:	1603763
Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.4	77.0
63	31.5	26.6	40.0

Instrument :

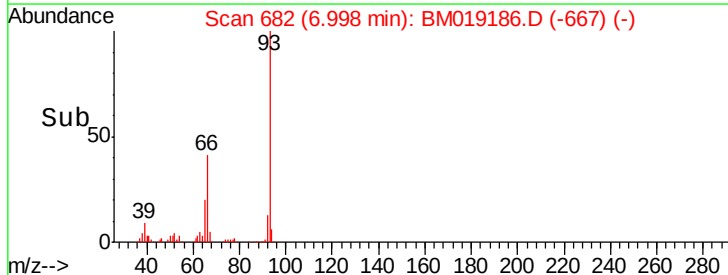
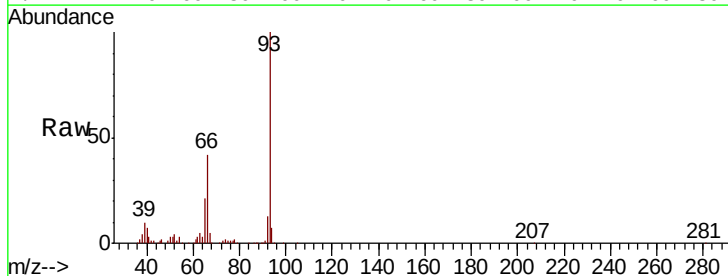
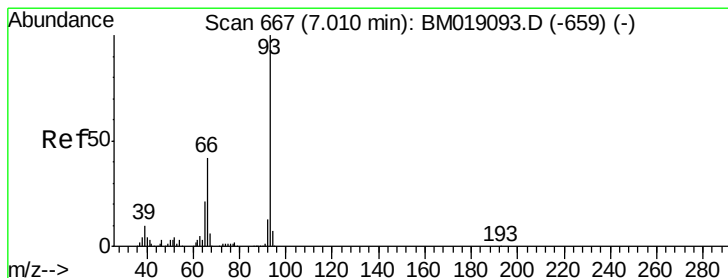
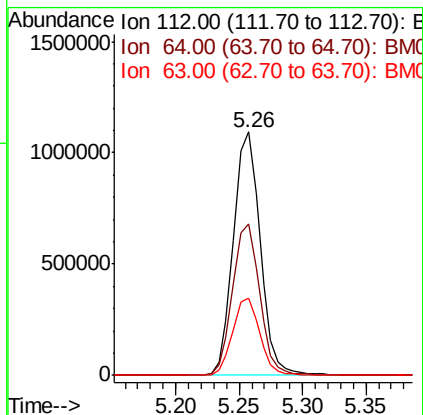
BNA_M

ClientSampleId :

RBR-200052MSD

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#6

Aniline

Concen: 25.641 ng

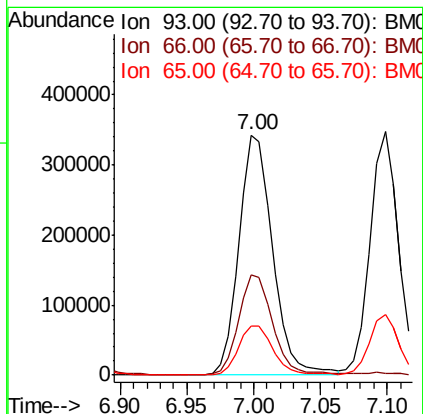
RT: 7.00 min Scan# 682

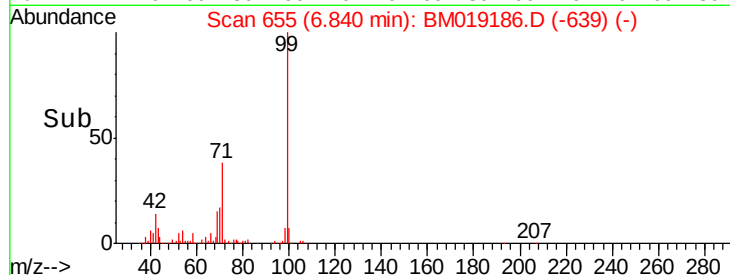
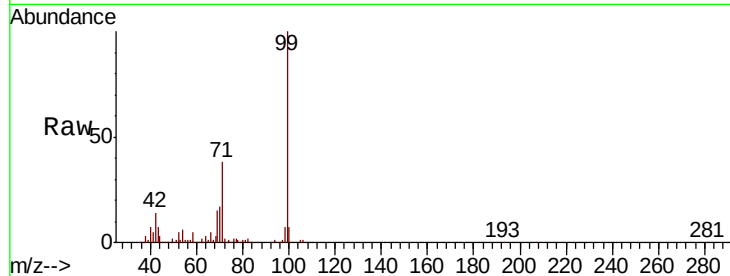
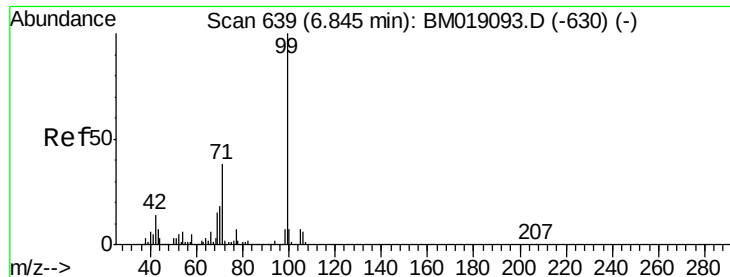
Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion:	93	Resp:	598959
Ion	Ratio	Lower	Upper
93	100		
66	42.0	33.4	50.2
65	20.6	16.8	25.2





#7

Phenol-d6

Concen: 135.180 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tot Ion:	99	Resp:	2445771
Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.9	16.3
71	37.7	30.3	45.5

Instrument :

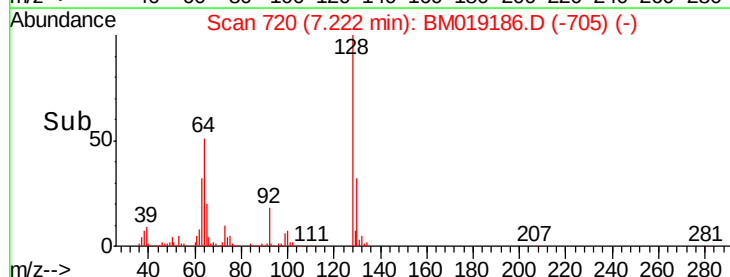
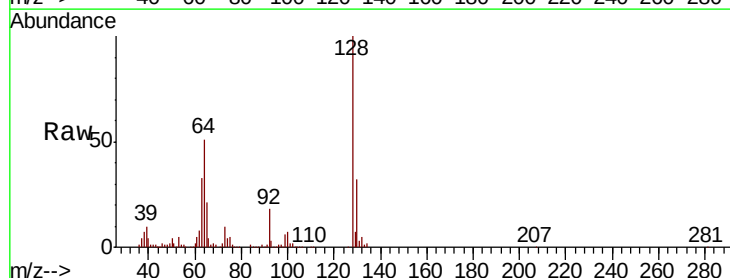
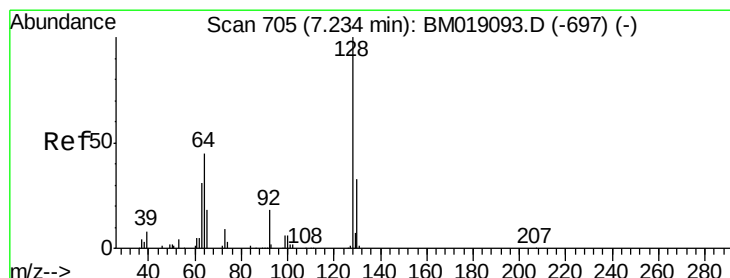
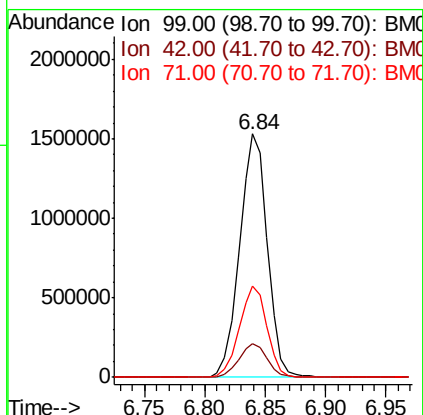
BNA_M

ClientSampleId :

RBR-200052MSD

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#8

2-Chlorophenol

Concen: 37.445 ng

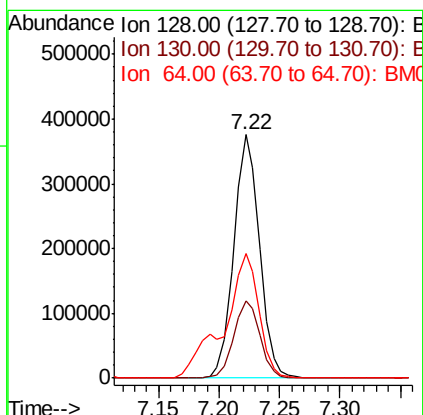
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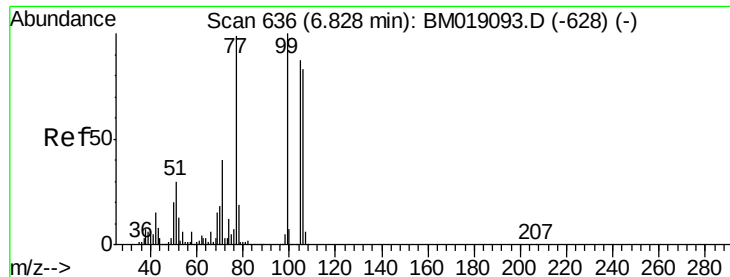
Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion:	128	Resp:	556588
Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.8	52.8
64	51.1	30.8	70.8





#9

Benzaldehyde

Concen: 19.212 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion: 77 Resp: 218644

Ion Ratio Lower Upper

77 100

105 87.5 67.7 107.7

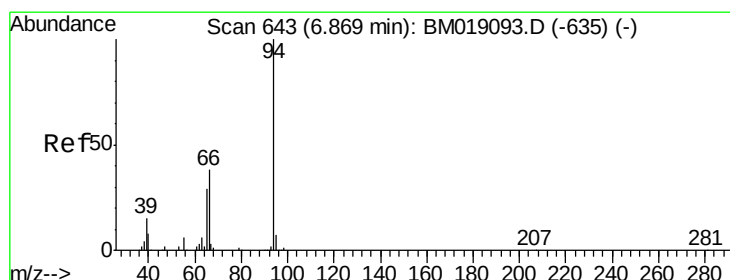
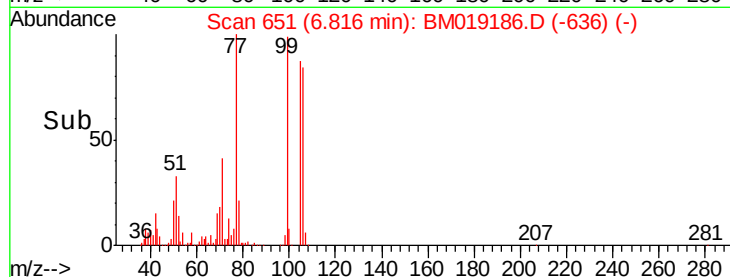
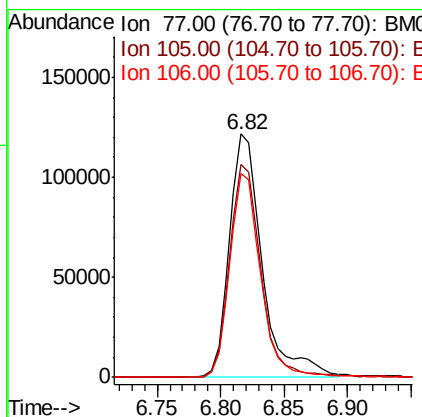
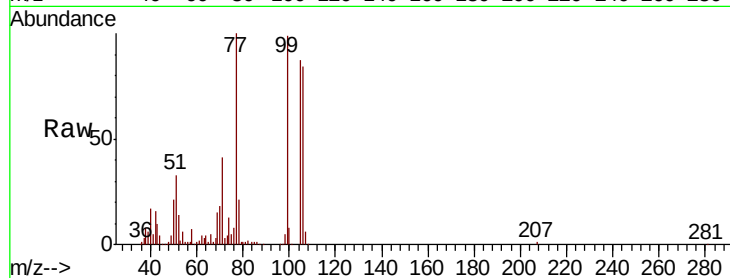
106 83.5 64.1 104.1

Manual Integrations

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#10

Phenol

Concen: 46.261 ng

RT: 6.87 min Scan# 660

Delta R.T. 0.00 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

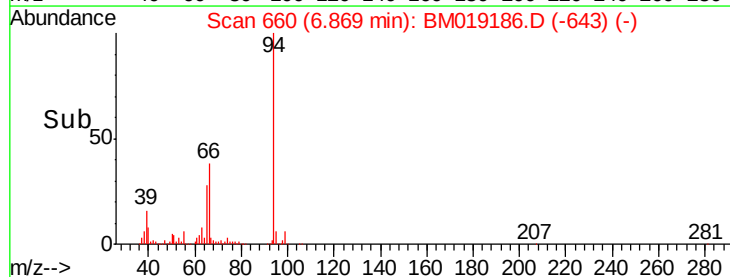
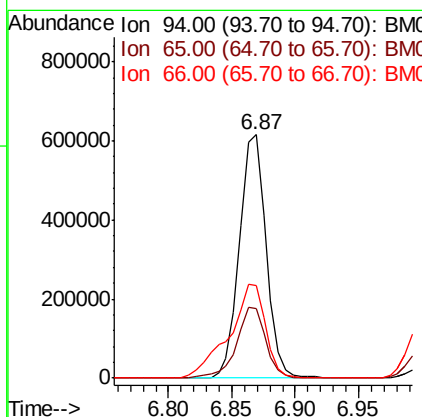
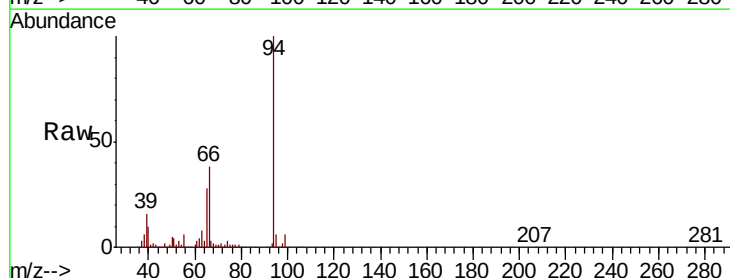
Tgt Ion: 94 Resp: 902029

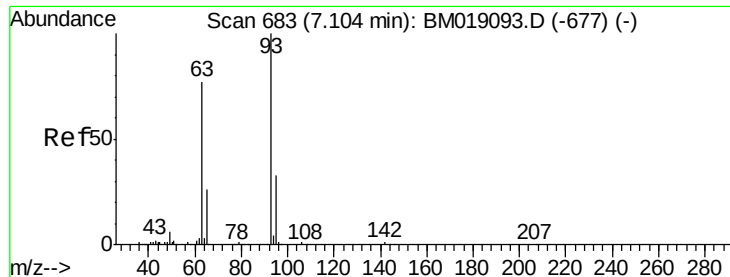
Ion Ratio Lower Upper

94 100

65 28.4 9.7 49.7

66 38.1 19.2 59.2





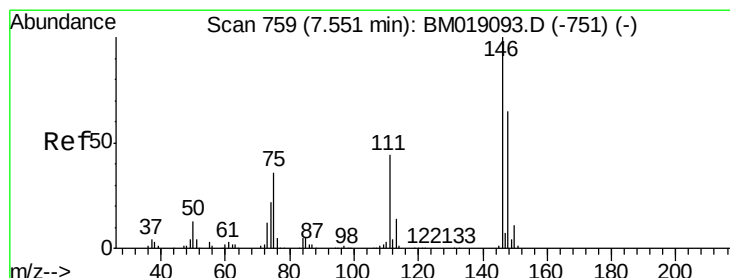
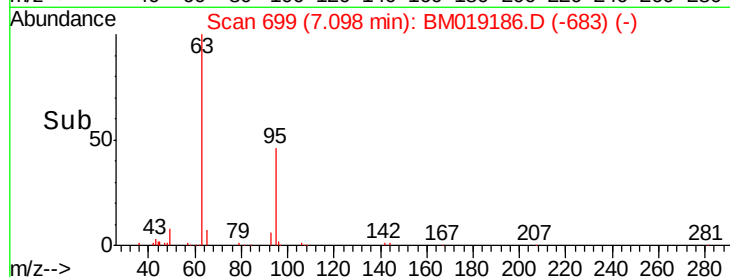
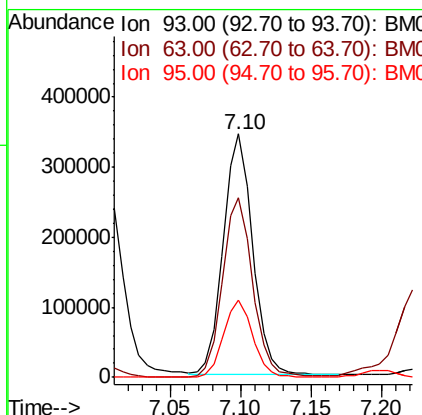
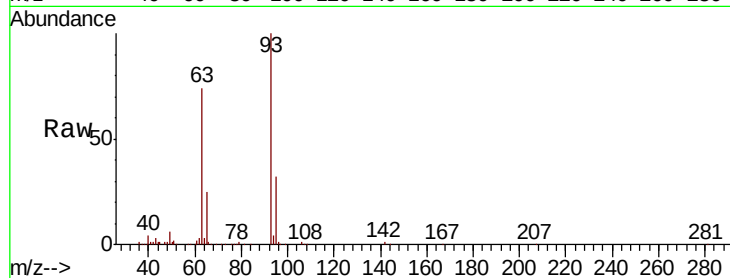
#11
bis(2-Chloroethyl)ether
Concen: 33.472 ng
RT: 7.10 min Scan# 699
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.9	56.6	96.6
95	31.9	13.0	53.0

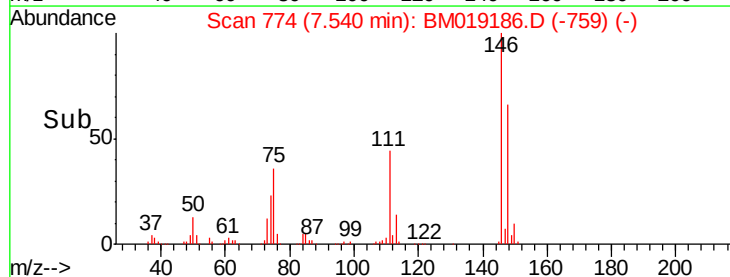
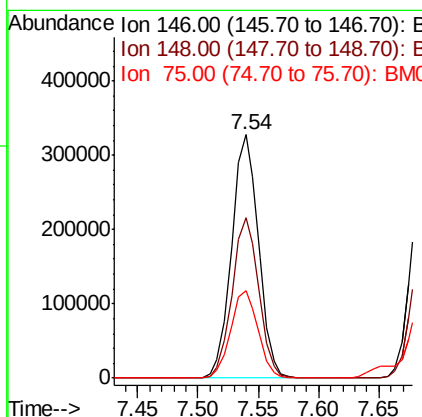
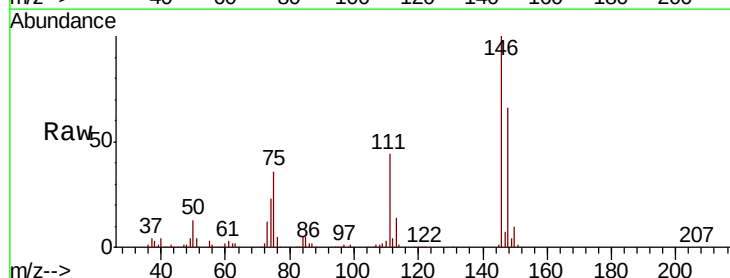
Manual Integrations
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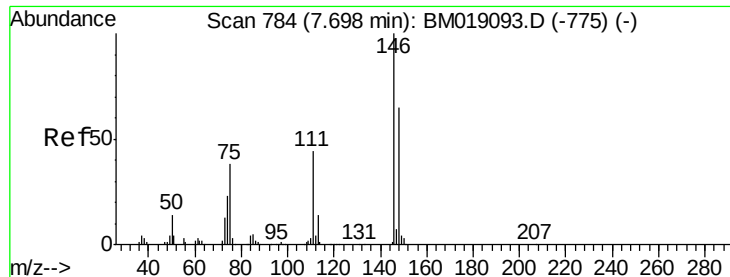
Sohil
3/18/2019 3:04:27 PM



#12
1,3-Dichlorobenzene
Concen: 32.388 ng
RT: 7.54 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.7	77.5
75	35.9	29.1	43.7





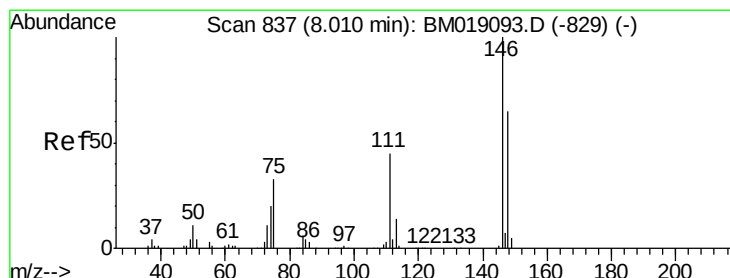
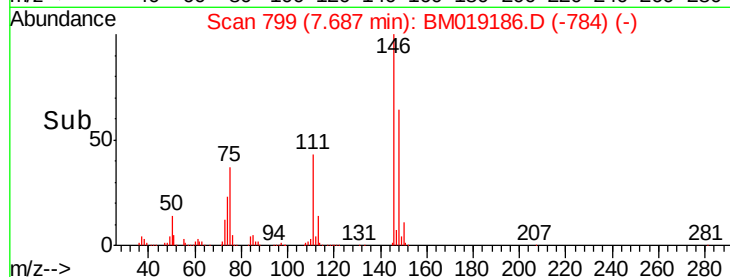
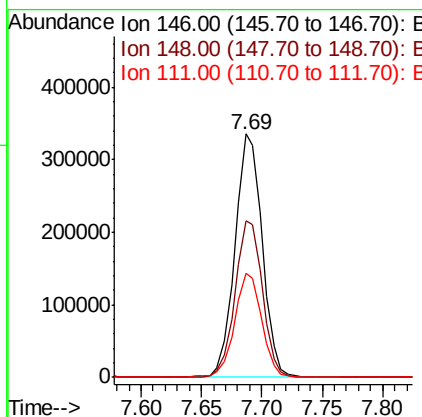
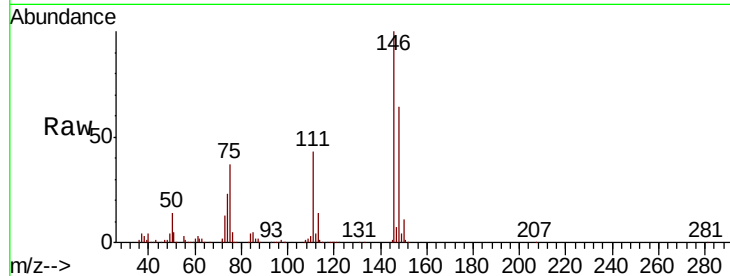
#13
 1,4-Dichlorobenzene
 Concen: 32.842 ng
 RT: 7.69 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
111	42.5	35.4	53.0

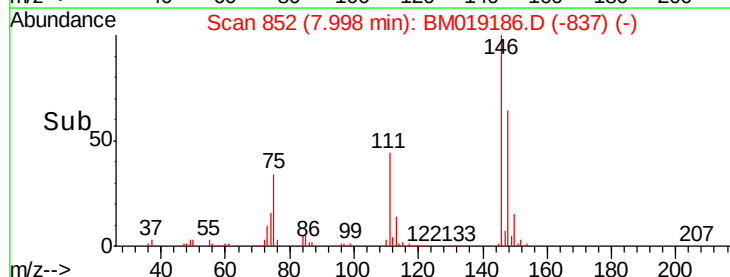
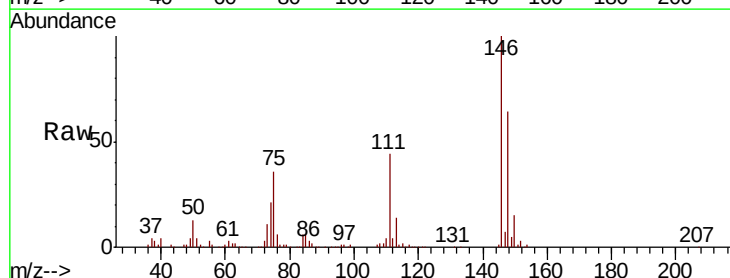
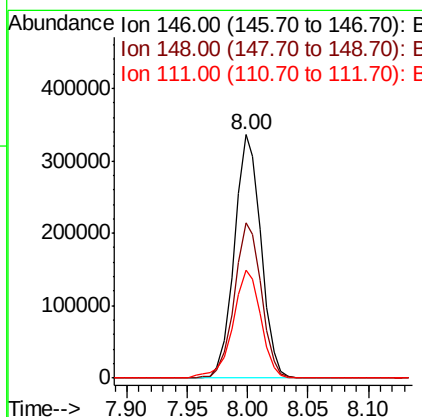
Manual Integrations
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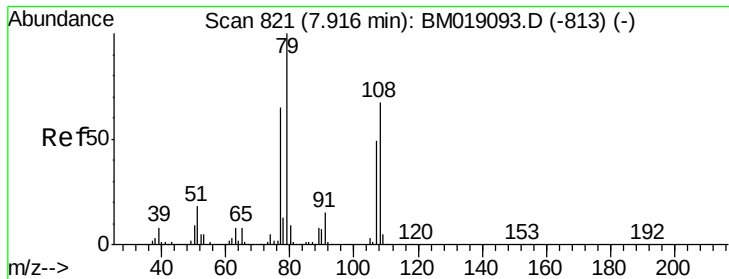
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 33.055 ng
 RT: 8.00 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.6
111	44.2	36.2	54.4





#15

Benzyl Alcohol

Concen: 36.727 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

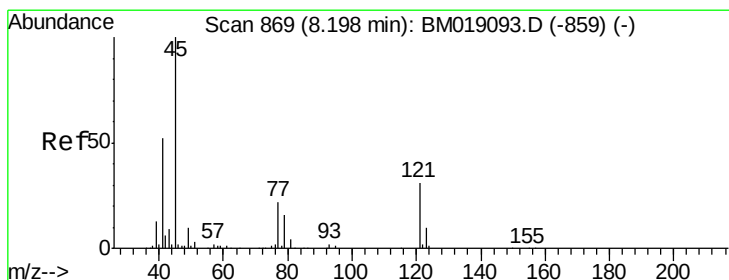
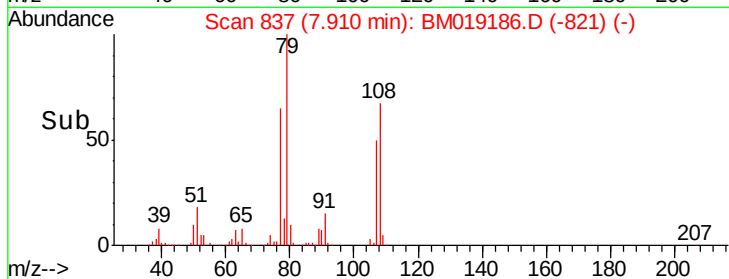
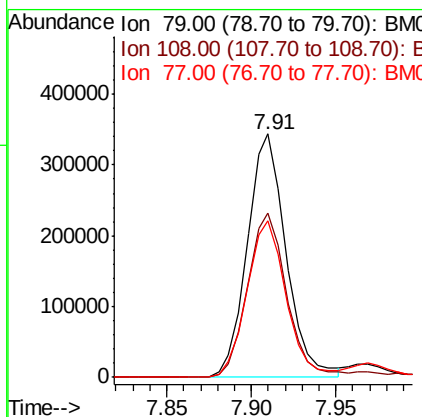
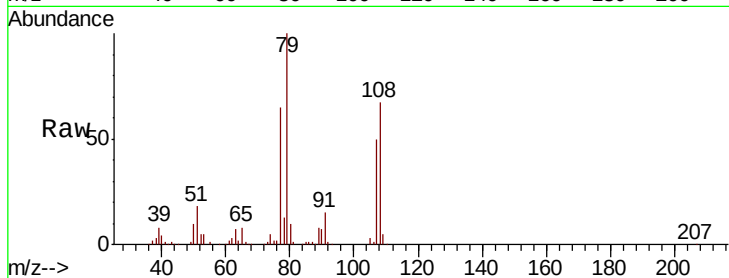
ClientSampleId :

RBR-200052MSD

Tot Ion:	79	Resp:	549956
Ion	Ratio	Lower	Upper
79	100		
108	67.4	53.7	80.5
77	64.5	51.8	77.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.956 ng

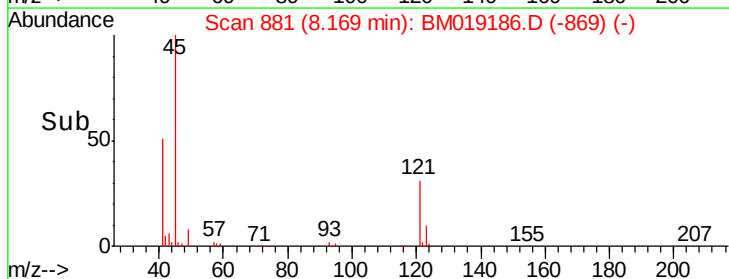
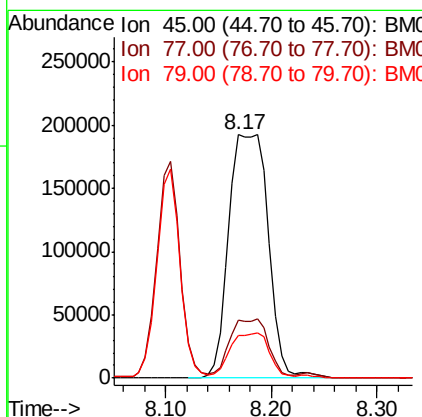
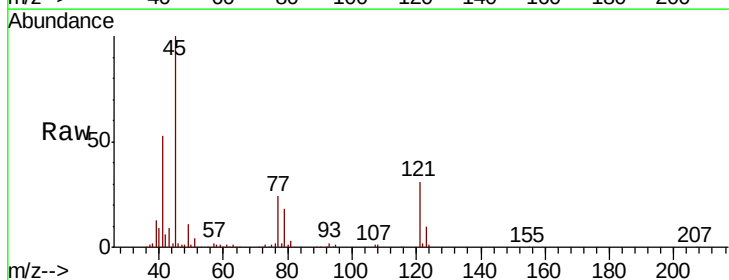
RT: 8.17 min Scan# 881

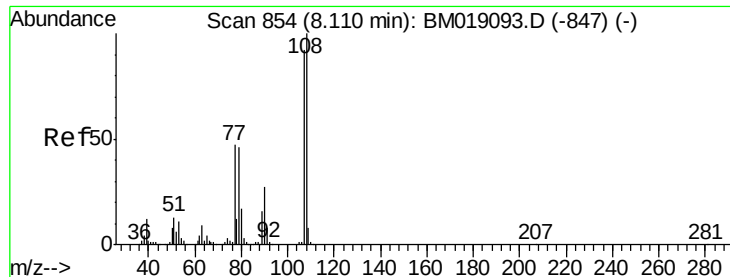
Delta R.T. -0.03 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion:	45	Resp:	500684
Ion	Ratio	Lower	Upper
45	100		
77	23.6	4.1	44.1
79	17.5	0.0	38.1





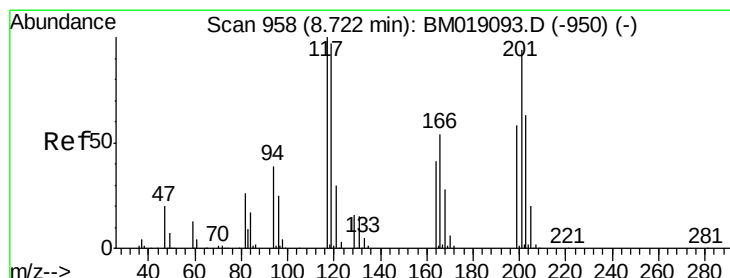
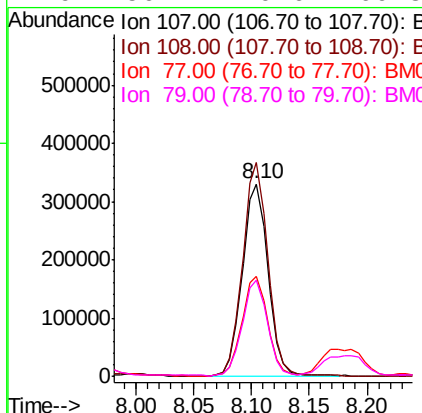
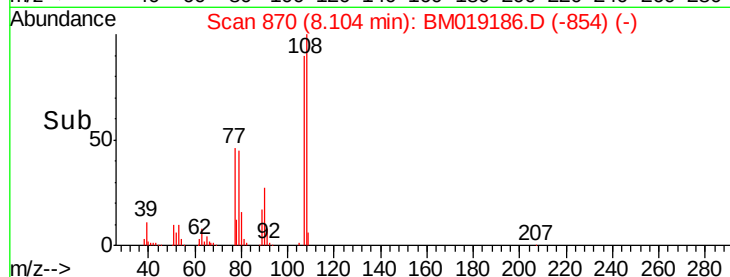
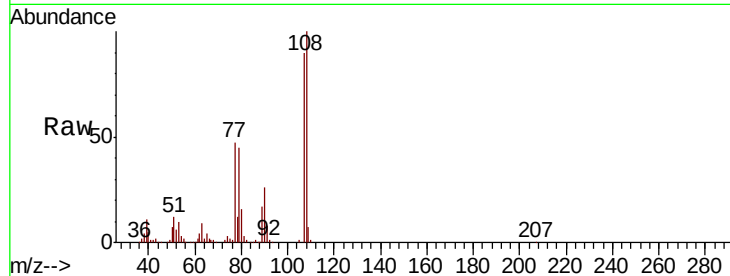
#17
2-Methylphenol
Concen: 39.991 ng
RT: 8.10 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.2	87.4	131.2	
77	51.8	41.6	62.4	
79	50.2	40.6	60.8	

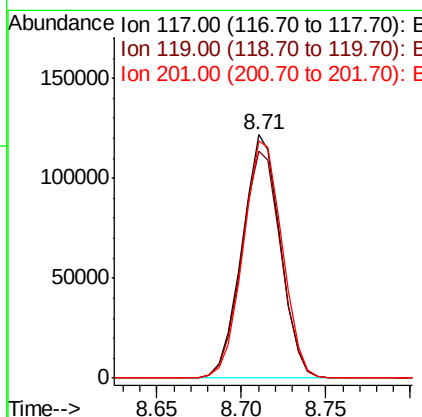
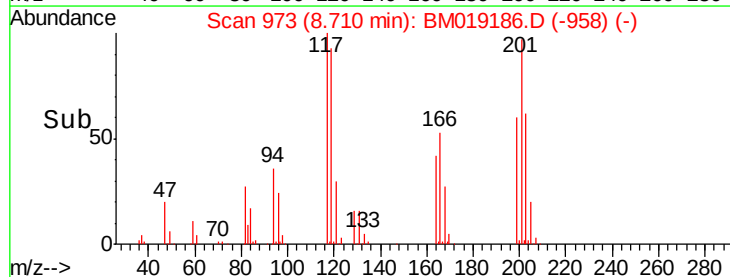
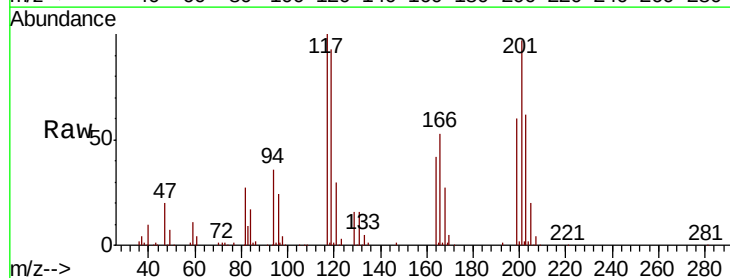
Manual Integrations
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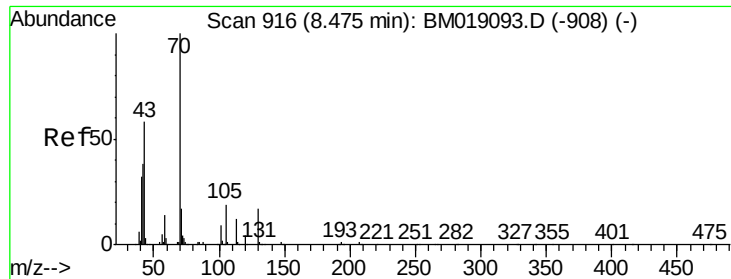
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#18
Hexachloroethane
Concen: 32.121 ng
RT: 8.71 min Scan# 973
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.4	77.4	116.2	
201	97.3	75.2	112.8	





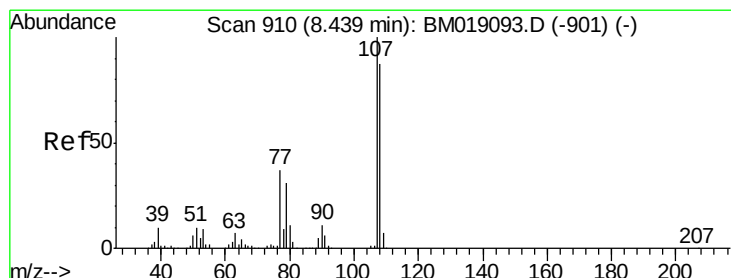
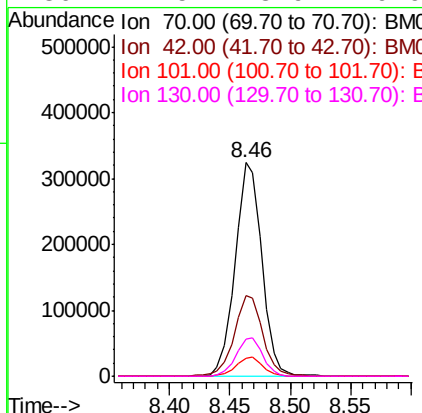
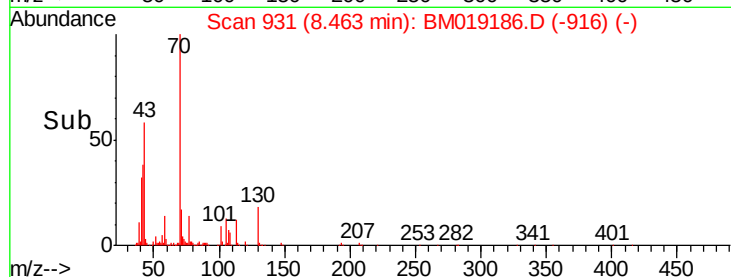
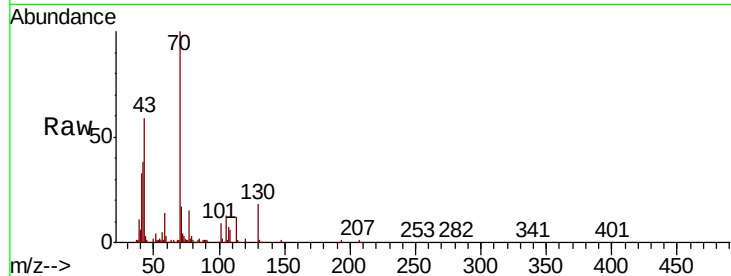
#19
n-Nitroso-di-n-propylamine
Concen: 33.683 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	38.0	30.6	45.8
101	8.6	6.8	10.2
130	17.5	13.9	20.9

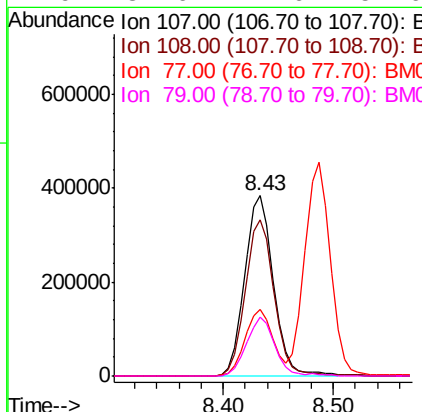
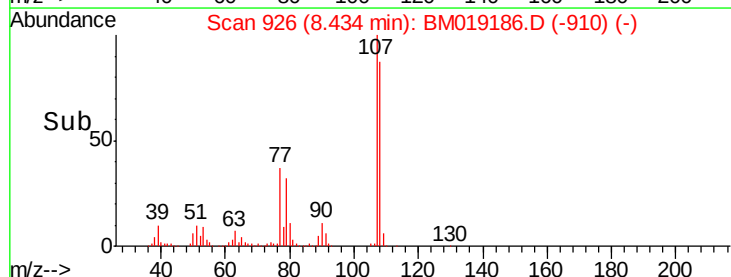
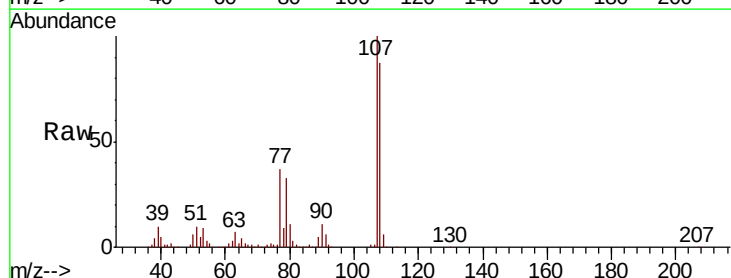
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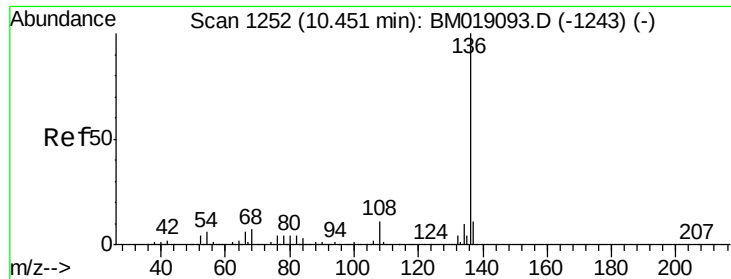
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#20
3+4-Methylphenols
Concen: 40.867 ng
RT: 8.43 min Scan# 926
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.8	67.0	107.0
77	37.0	17.3	57.3
79	32.6	11.6	51.6





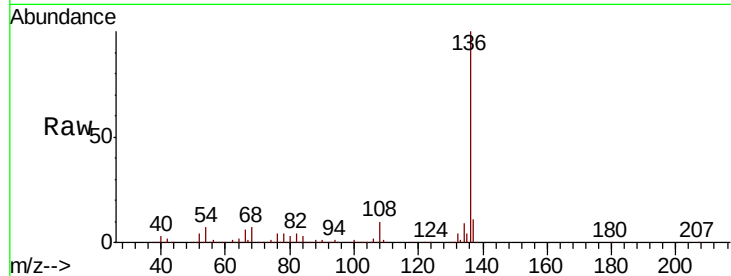
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	936297		
137	10.6		8.6	13.0
54	6.6		5.2	7.8
68	7.3		5.8	8.8

Manual Integrations
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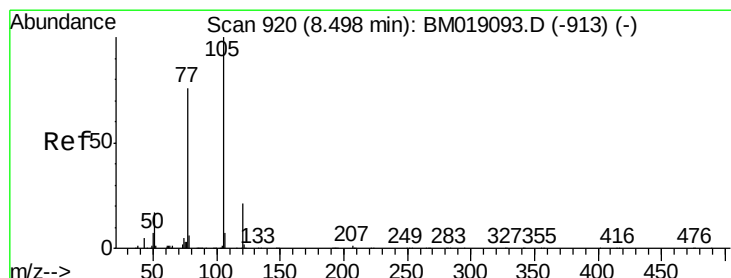
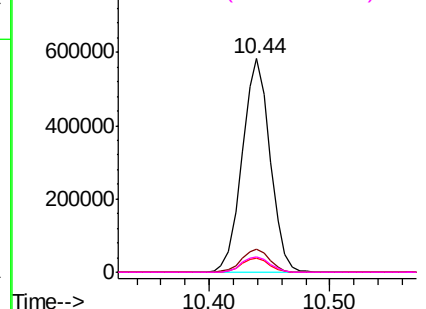
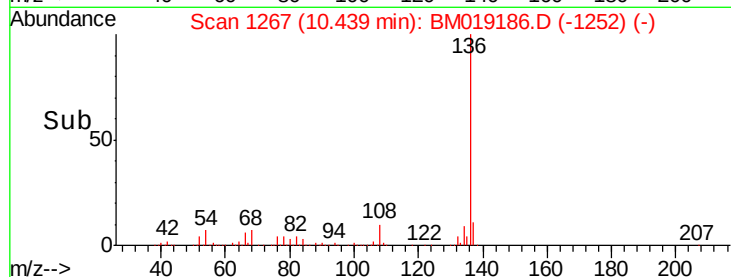
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

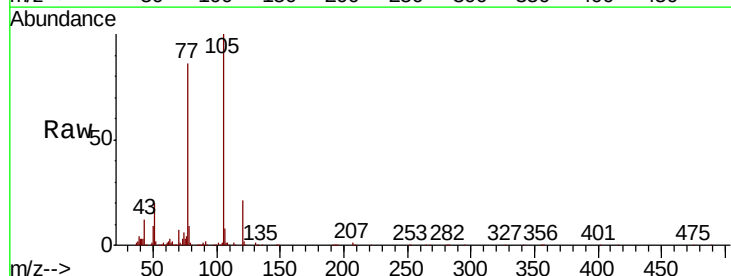
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22
Acetophenone
Concen: 32.145 ng
RT: 8.49 min Scan# 935
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	831755		
71	1.2		0.8	1.2
51	19.8		15.8	23.6
120	21.0		17.0	25.4



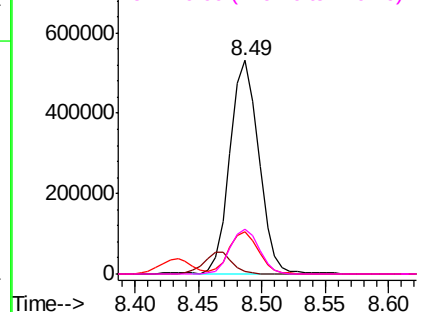
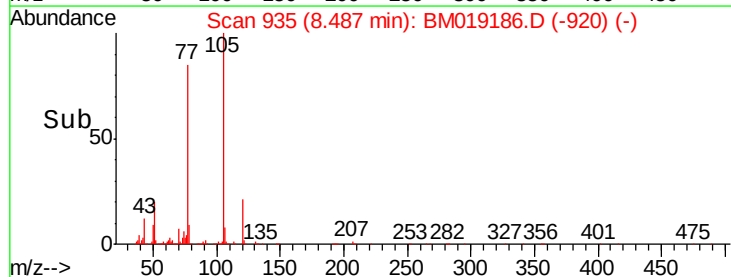
Abundance

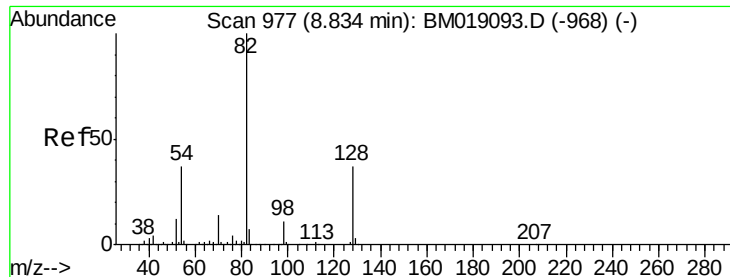
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 75.693 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion: 82 Resp: 1499277

Ion Ratio Lower Upper

82 100

128 36.7 29.4 44.2

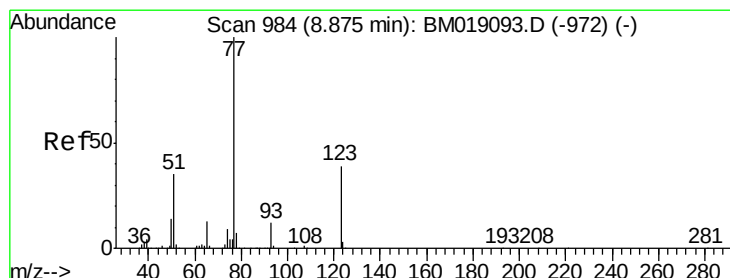
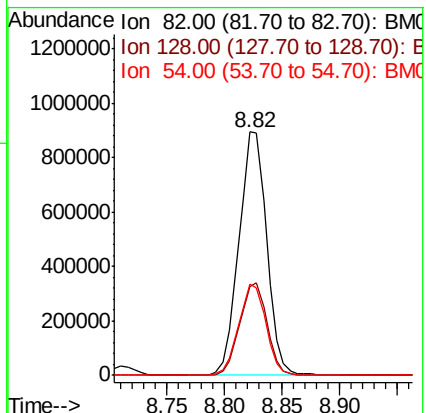
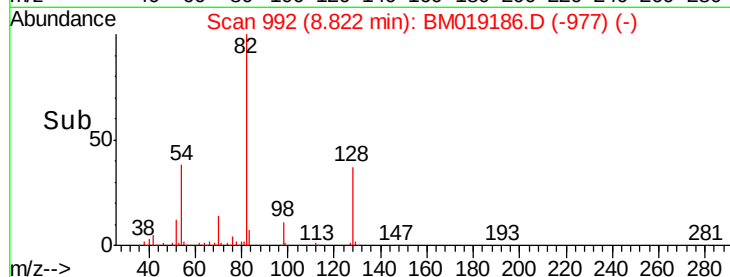
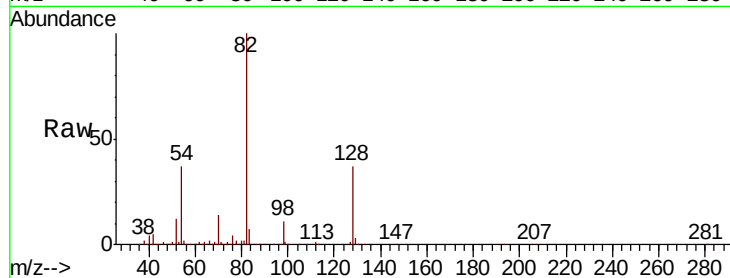
54 37.4 29.9 44.9

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#24

Nitrobenzene

Concen: 34.510 ng

RT: 8.87 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

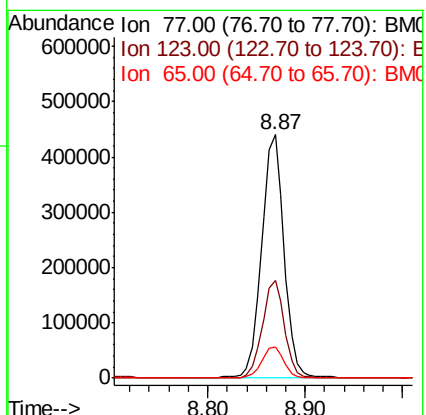
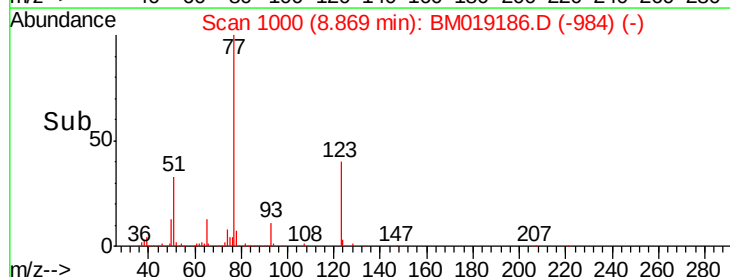
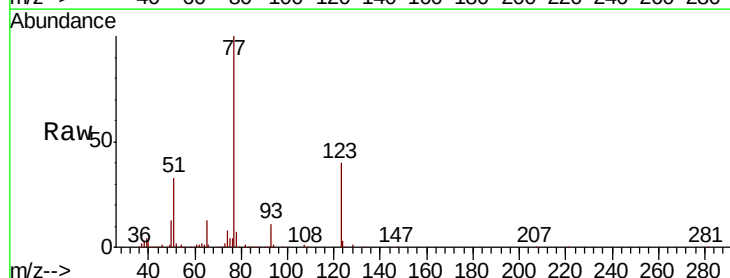
Tgt Ion: 77 Resp: 710901

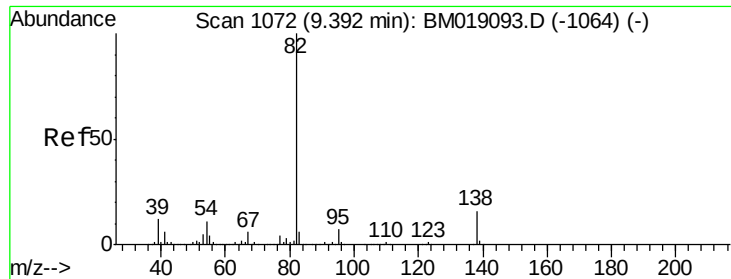
Ion Ratio Lower Upper

77 100

123 40.3 31.3 46.9

65 12.8 10.5 15.7





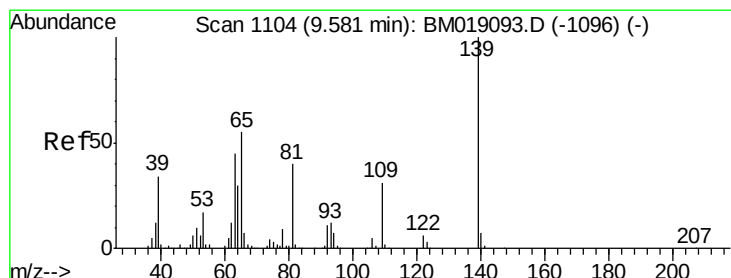
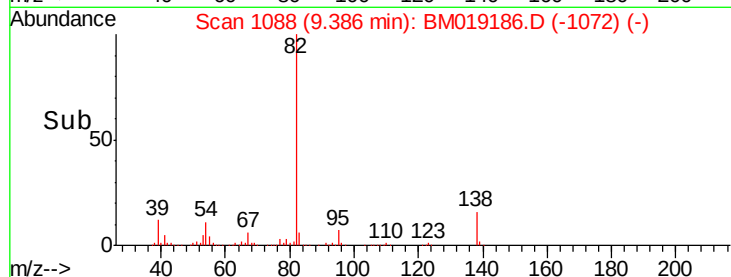
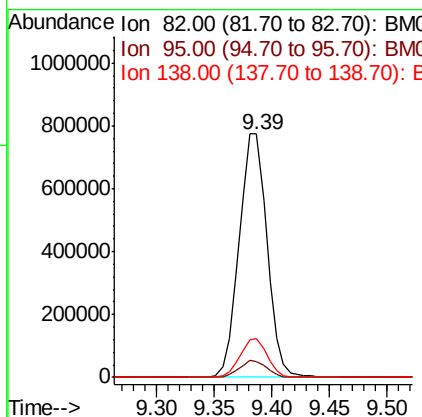
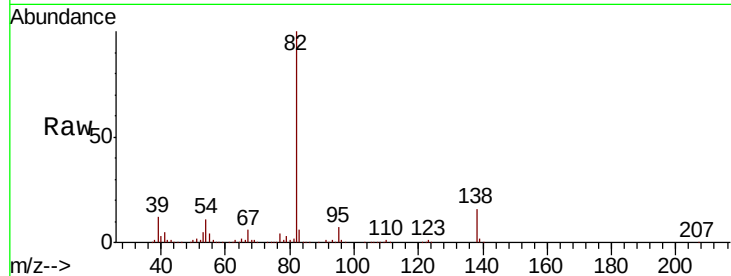
#25
Isophorone
Concen: 34.493 ng
RT: 9.39 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	82	Resp	1303684
Ion Ratio	100	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	16.0	12.6	18.8

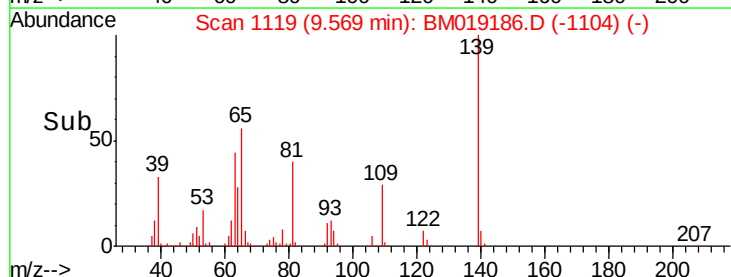
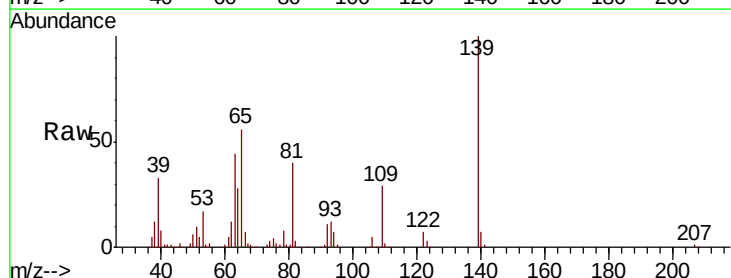
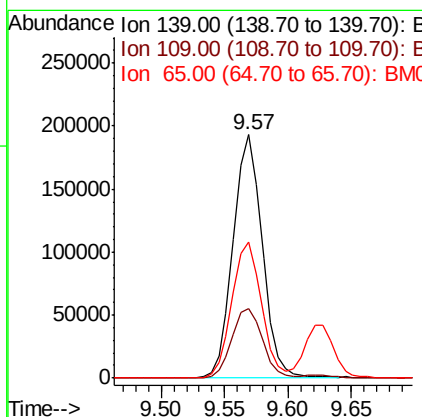
Manual Integrations
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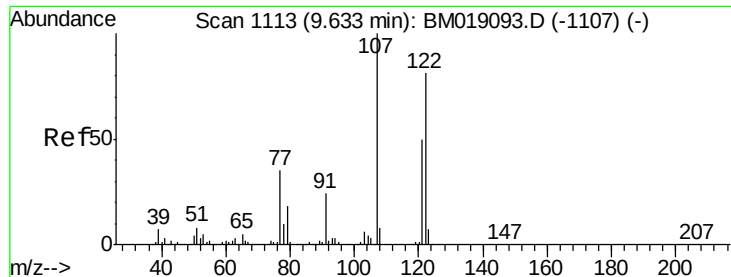
Sohil
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#26
2-Nitrophenol
Concen: 36.153 ng
RT: 9.57 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	139	Resp	308705
Ion Ratio	100	Lower	Upper
139	100		
109	28.6	24.5	36.7
65	55.6	44.4	66.6





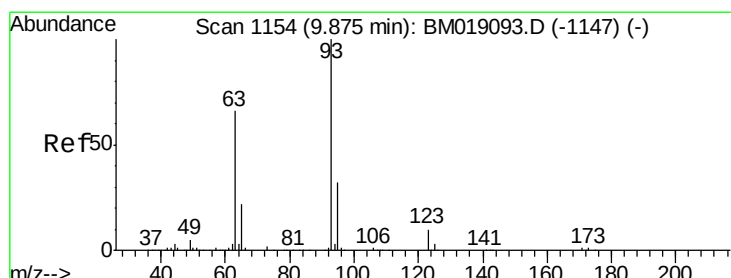
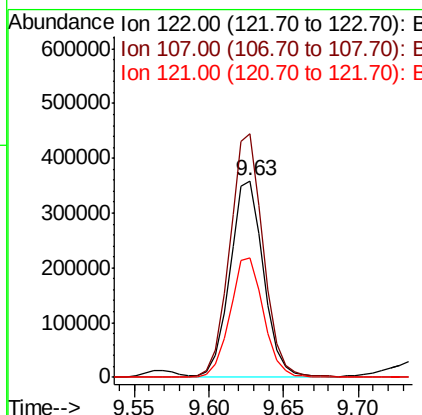
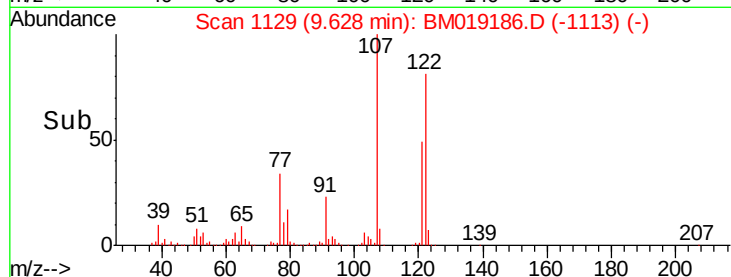
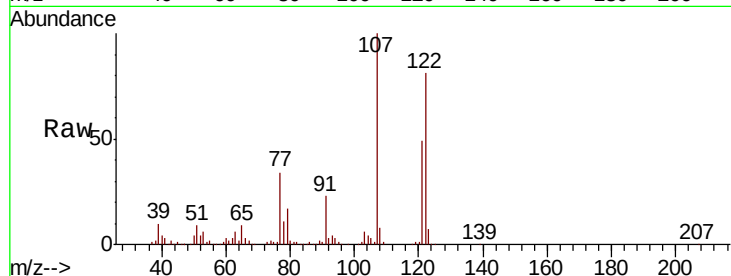
#27
2,4-Dimethylphenol
Concen: 44.069 ng
RT: 9.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	559419		
107	123.8	98.2	147.4	
121	61.1	48.8	73.2	

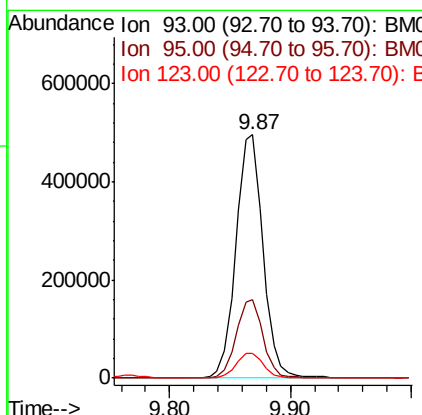
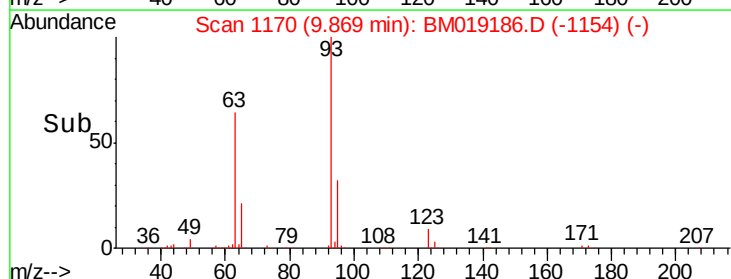
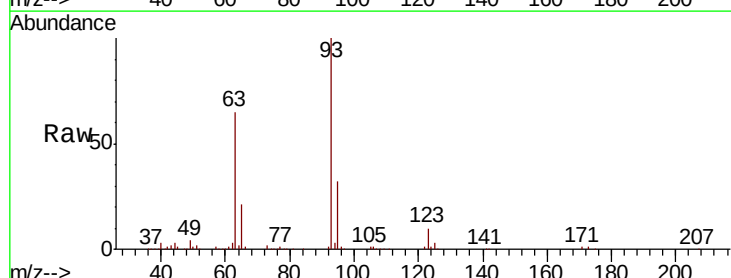
Manual Integrations
APPROVED

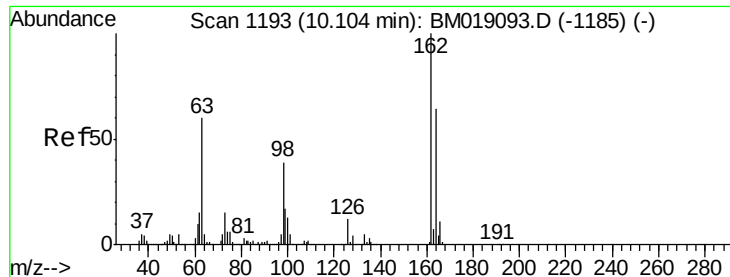
Sohil
3/18/2019 3:04:27 PM



#28
bis(2-Chloroethoxy)methane
Concen: 34.706 ng
RT: 9.87 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	776692		
95	32.2	25.8	38.8	
123	10.3	7.9	11.9	





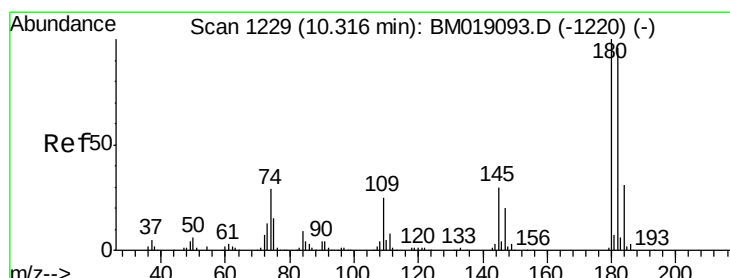
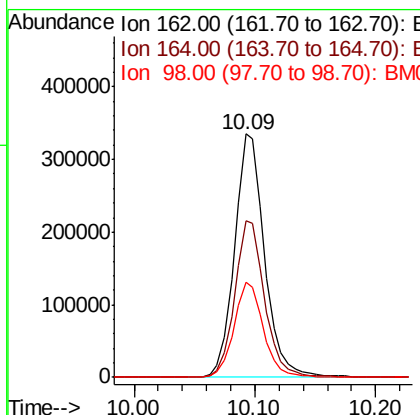
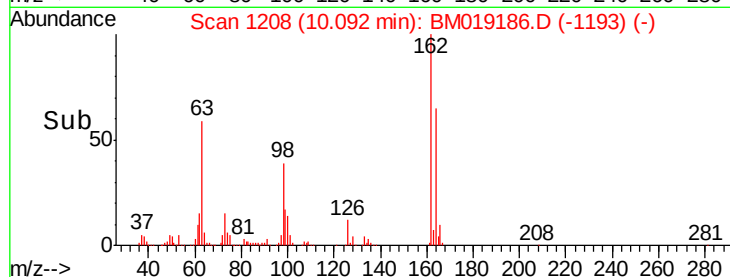
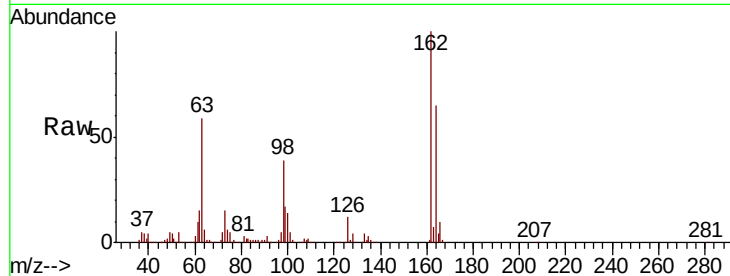
#29
2,4-Dichlorophenol
Concen: 41.101 ng
RT: 10.09 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion:	162	Resp:	577850
Ion Ratio		Lower	Upper
162	100		
164	64.6	43.5	83.5
98	39.0	19.1	59.1

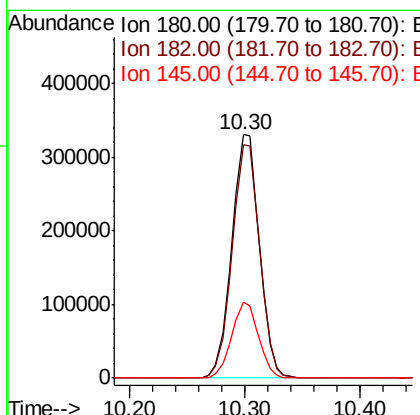
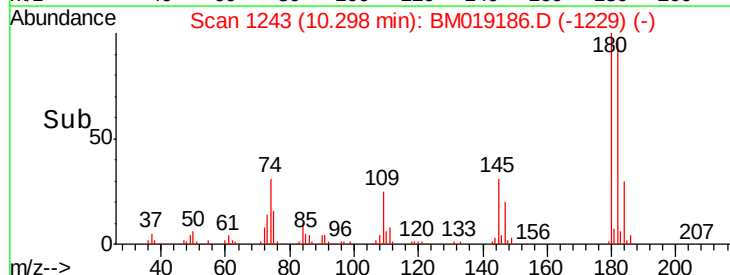
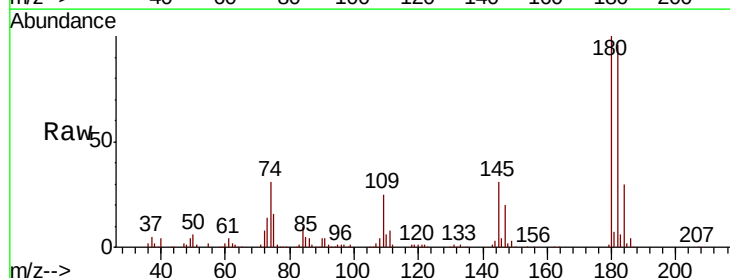
Manual Integrations
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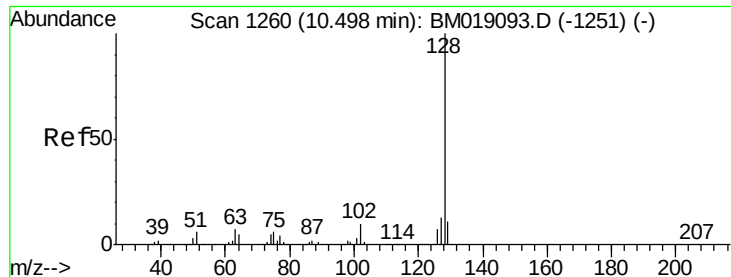
Sohil
3/18/2019 3:04:27 PM



#30
1,2,4-Trichlorobenzene
Concen: 34.522 ng
RT: 10.30 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion:	180	Resp:	547277
Ion Ratio		Lower	Upper
180	100		
182	96.0	76.6	114.8
145	31.1	24.3	36.5





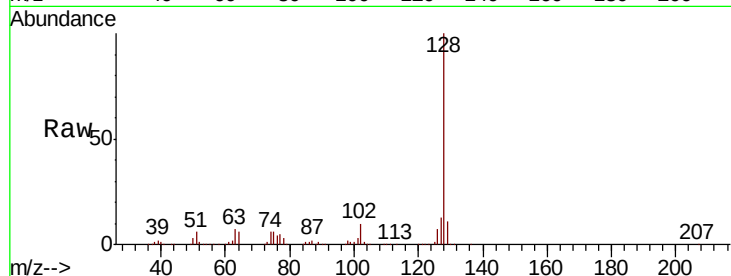
#31
Naphthalene
Concen: 34.635 ng
RT: 10.49 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.0	10.4	15.6

Manual Integrations
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3/18/2019 3:04:27 PM

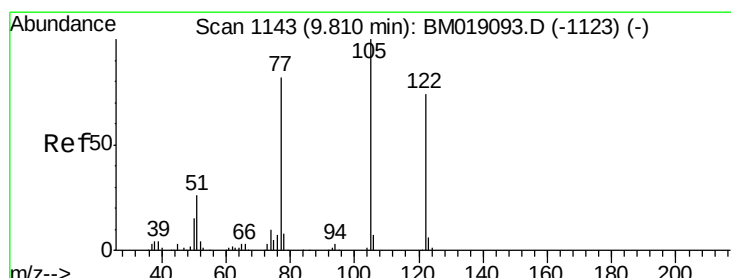
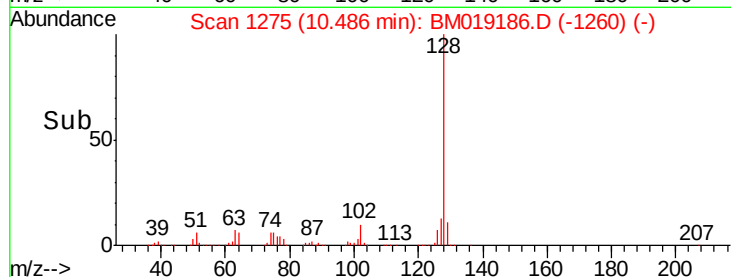
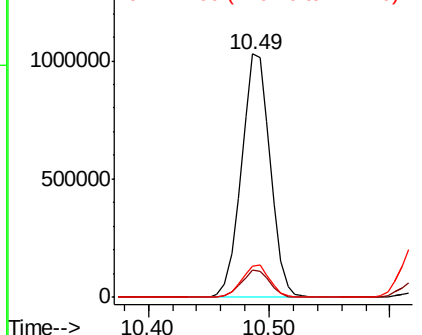


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 18.300 ng m
RT: 9.77 min Scan# 1153
Delta R.T. -0.04 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

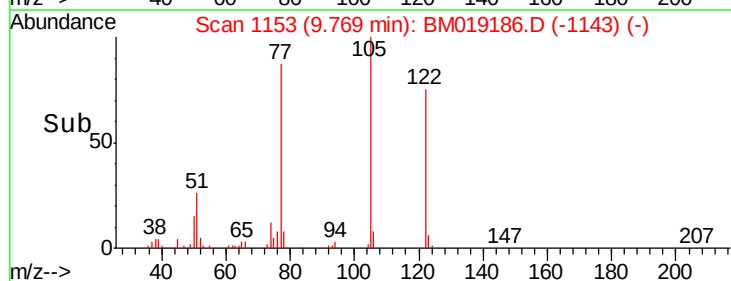
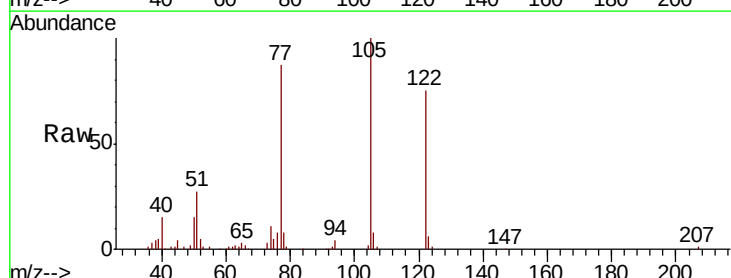
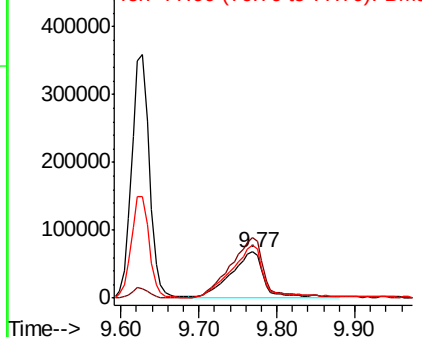
Tgt Ion	Ratio	Lower	Upper
122	100		
105	133.0	113.0	153.0
77	115.3	90.1	130.1

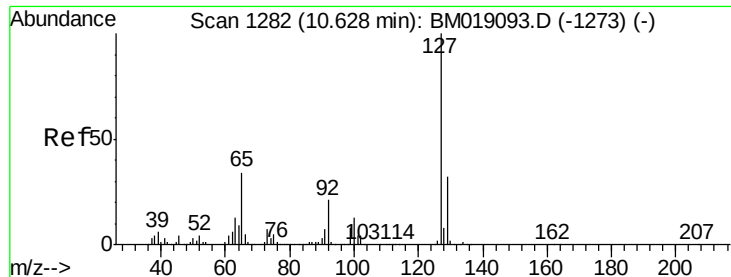
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E





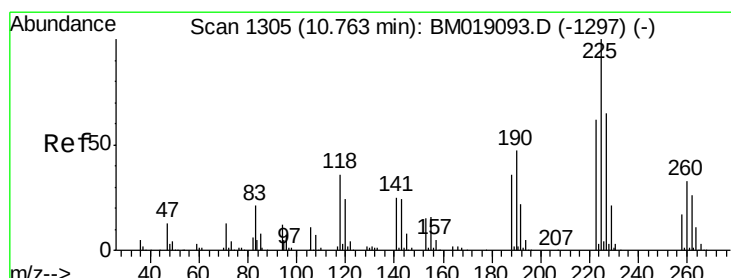
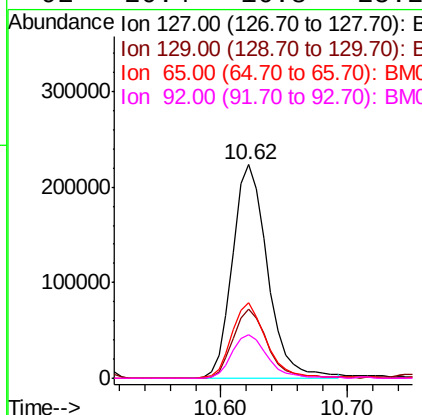
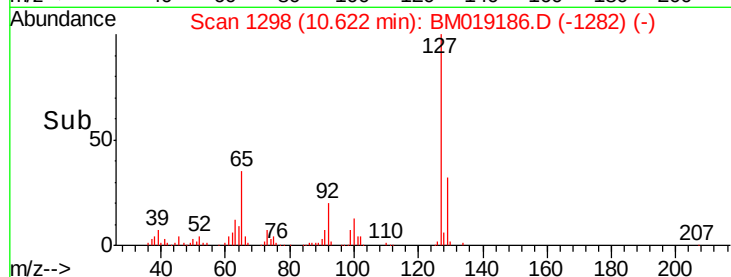
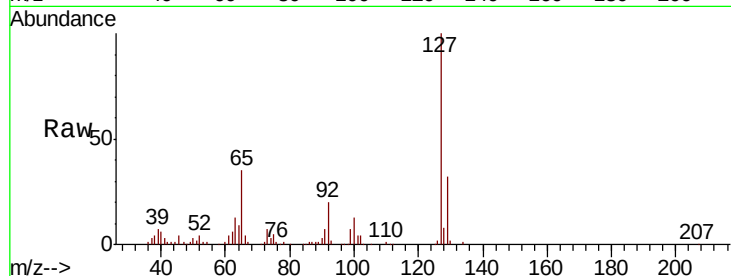
#33
4-Chloroaniline
Concen: 21.200 ng
RT: 10.62 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.3	37.9
65	35.4	27.4	41.2
92	20.4	16.8	25.2

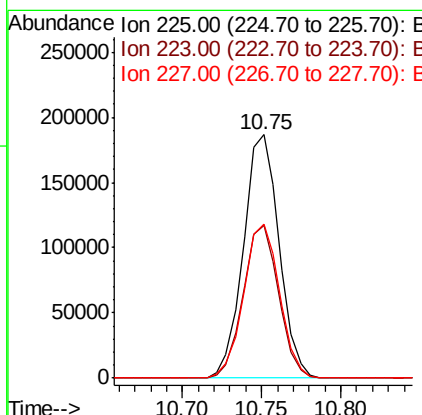
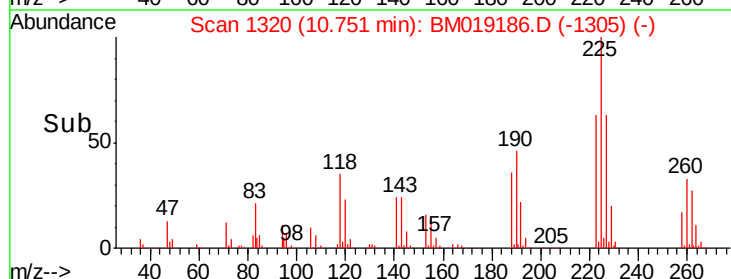
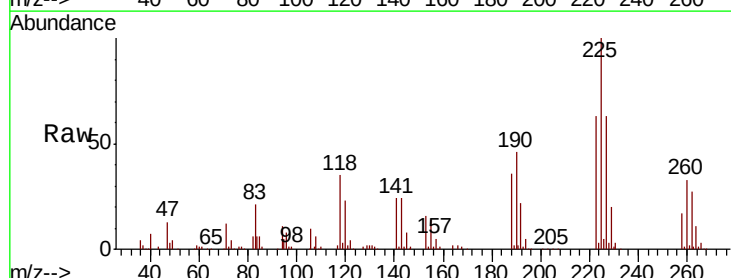
Manual Integrations
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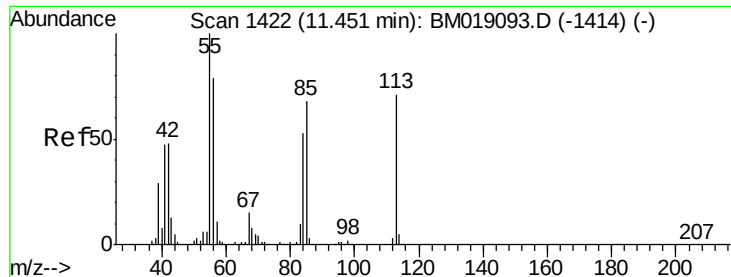
Sohil
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#34
Hexachlorobutadiene
Concen: 32.043 ng
RT: 10.75 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.0
227	63.1	51.6	77.4





#35

Caprolactam

Concen: 38.217 ng/mL

RT: 11.45 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion: 113 Resp: 191396

Ion Ratio Lower Upper

113 100

55 136.4 120.1 160.1

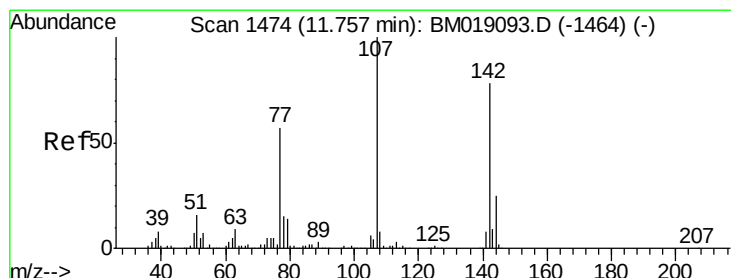
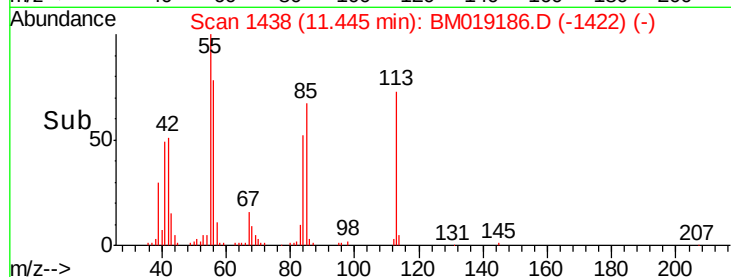
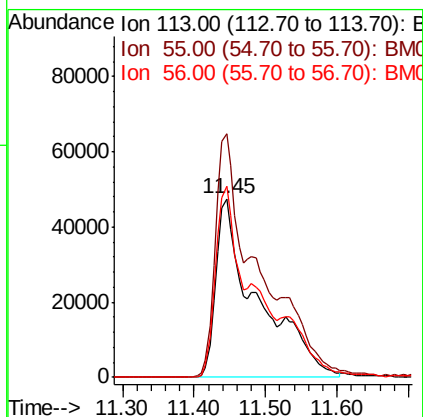
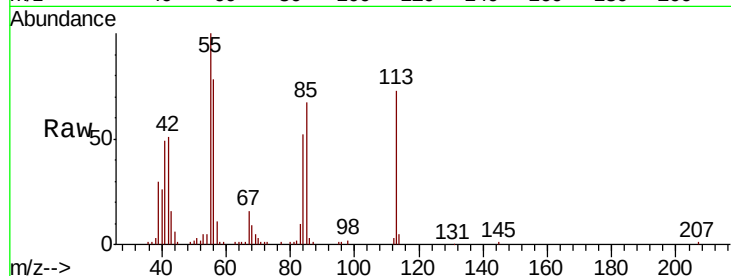
56 106.9 90.1 130.1

Manual Integrations

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#36

4-Chloro-3-methylphenol

Concen: 39.396 ng/mL

RT: 11.75 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

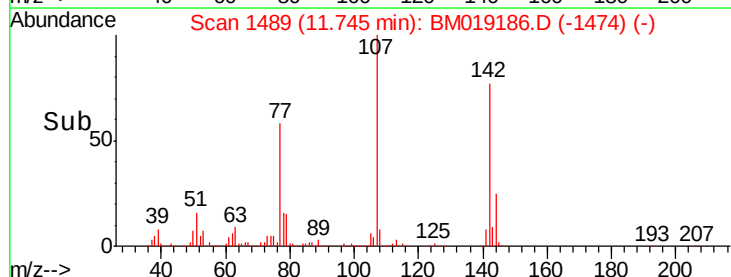
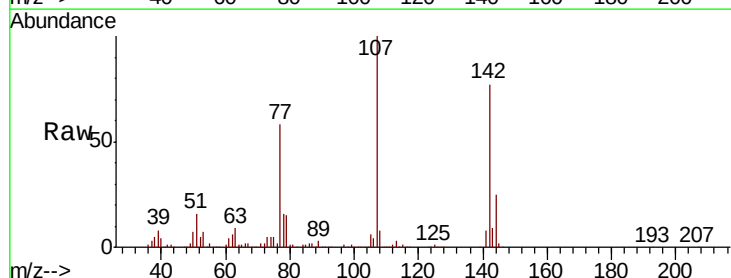
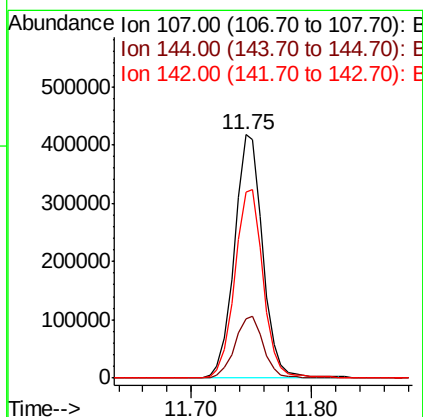
Tgt Ion: 107 Resp: 683426

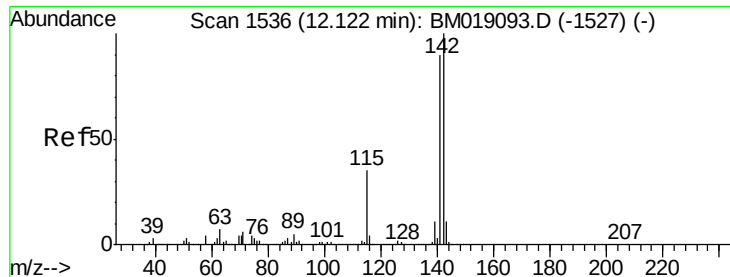
Ion Ratio Lower Upper

107 100

144 24.5 20.2 30.4

142 76.5 62.4 93.6





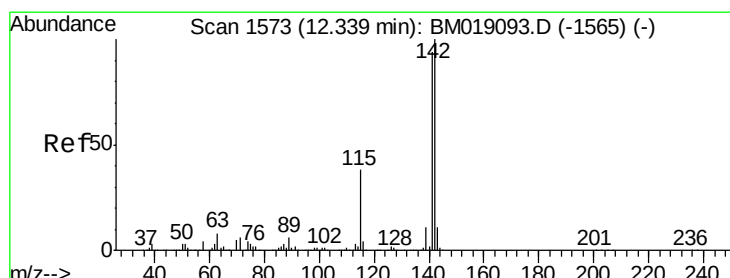
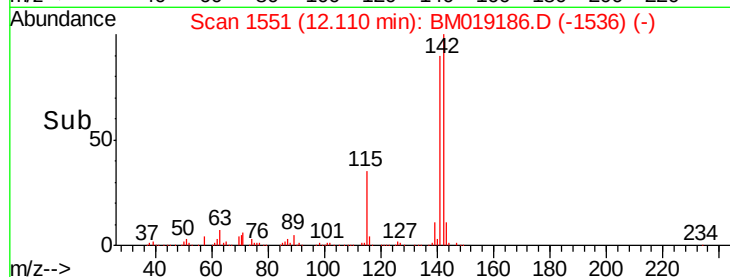
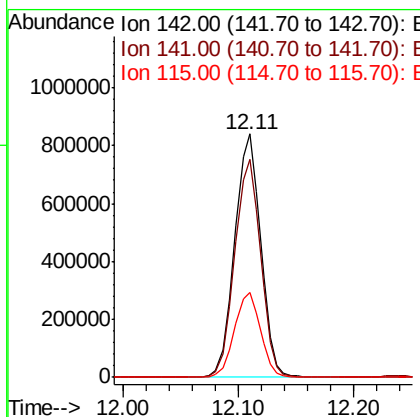
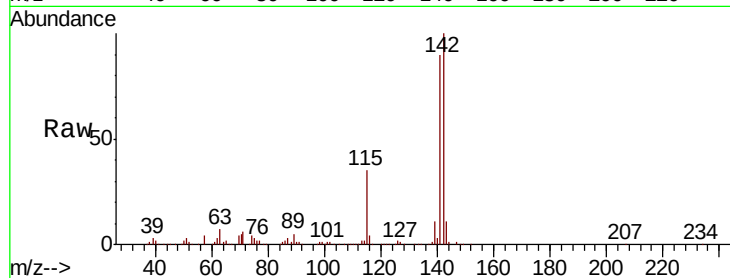
#37
2-Methylnaphthalene
Concen: 36.631 ng
RT: 12.11 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.3	108.5
115	34.8	27.8	41.8

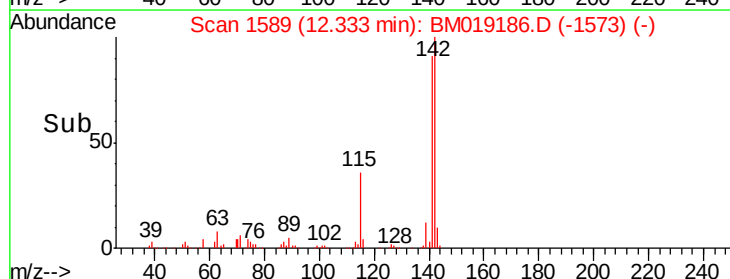
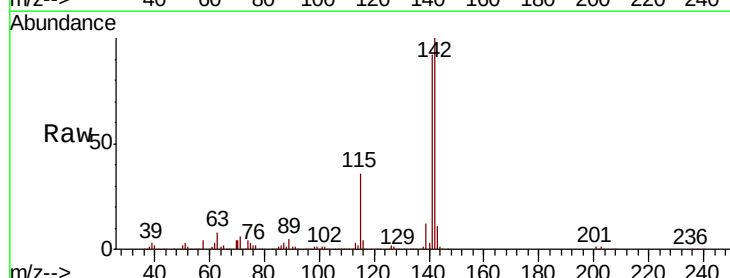
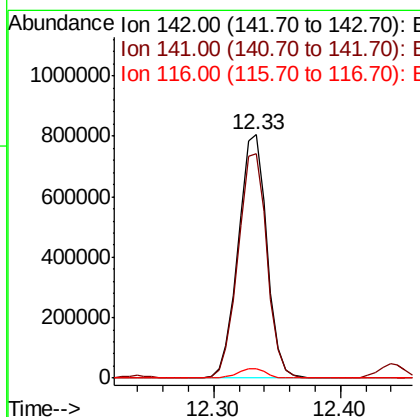
Manual Integrations
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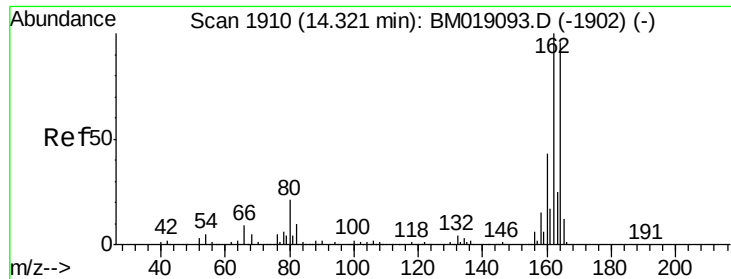
Sohil
3/18/2019 3:04:27 PM



#38
1-Methylnaphthalene
Concen: 35.389 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.9	112.3
116	3.7	3.2	4.8





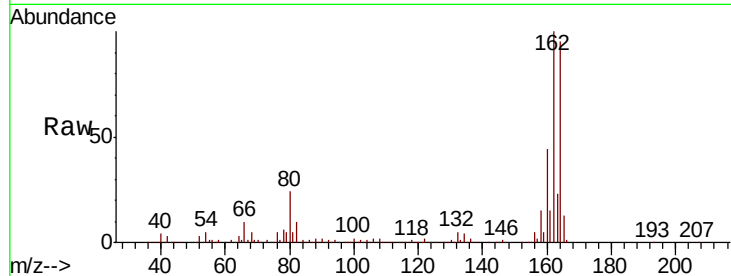
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	83.5	125.3	
160	46.5	36.3	54.5	

Manual Integrations
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3/18/2019 3:04:27 PM

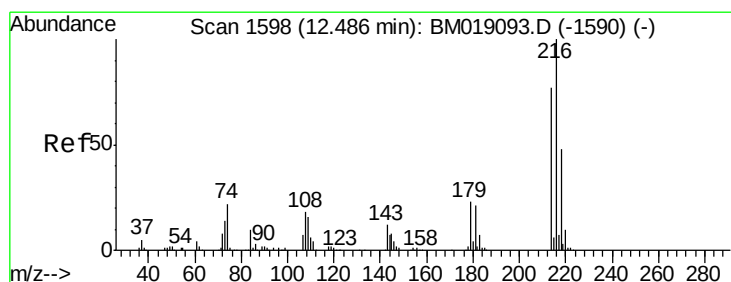
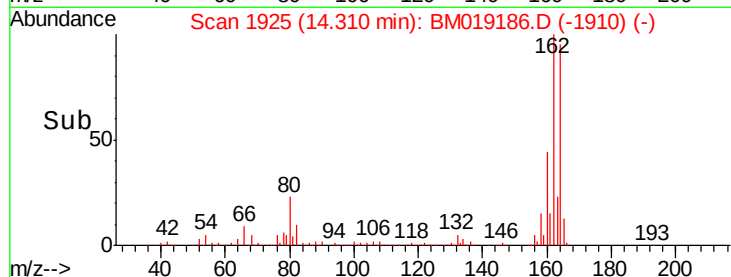
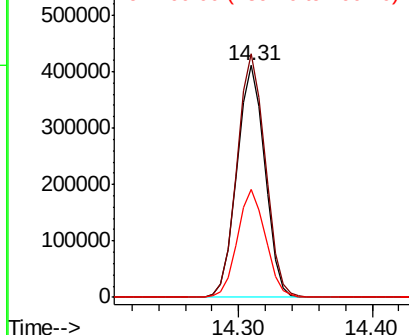


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 33.421 ng
RT: 12.47 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.6	62.9	94.3	
179	22.8	18.0	27.0	
108	18.5	16.2	24.4	

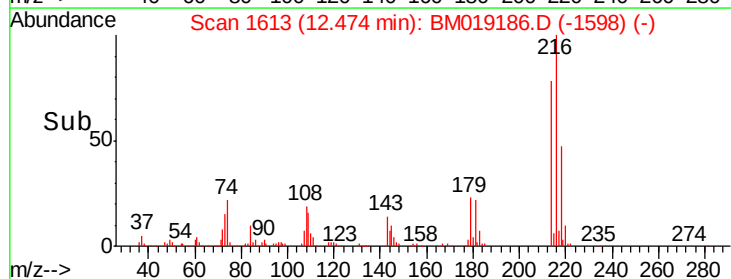
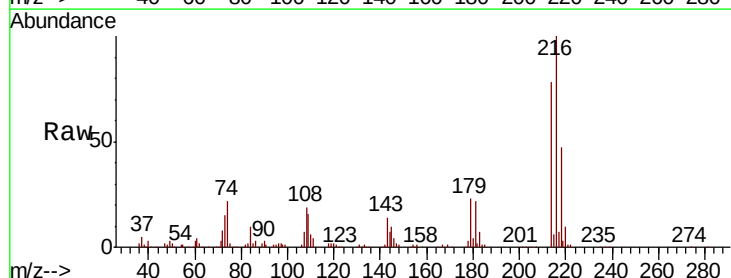
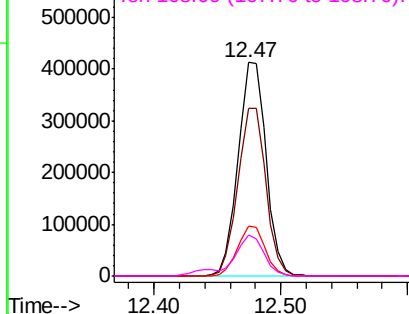
Abundance

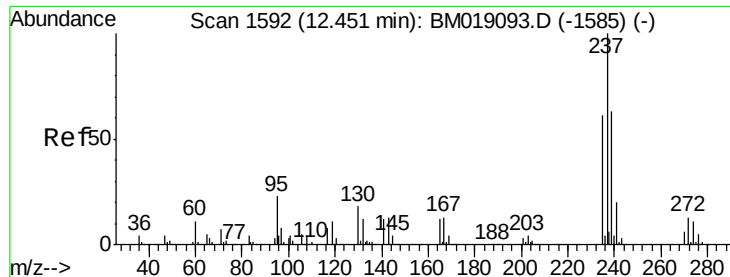
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





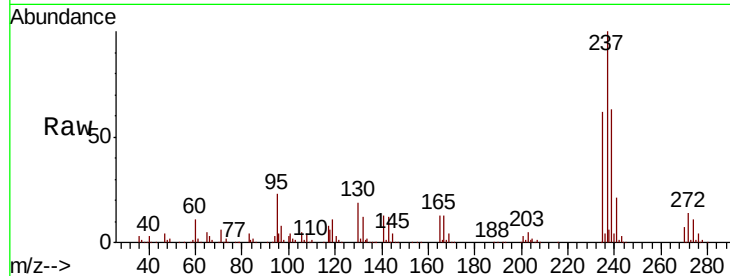
#41
Hexachlorocyclopentadiene
Concen: 65.217 ng
RT: 12.44 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.3	81.3
272	13.7	0.0	33.1

Manual Integrations
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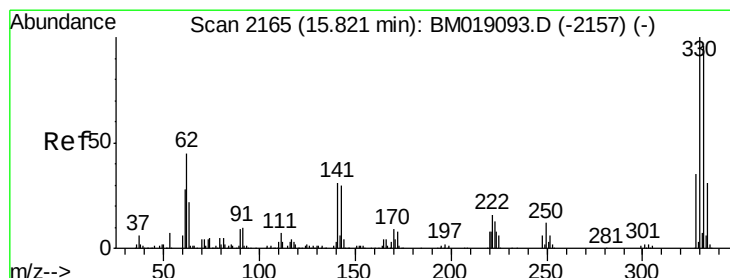
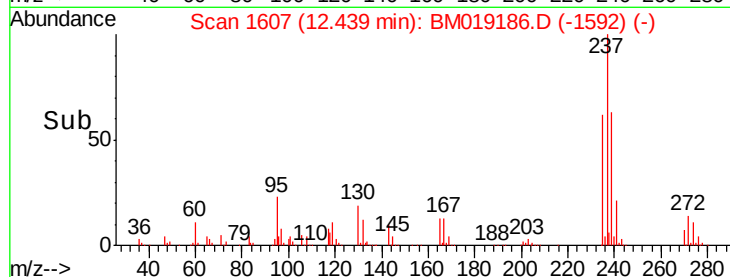
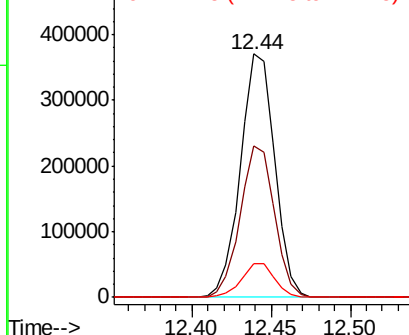


Abundance

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: 123.893 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

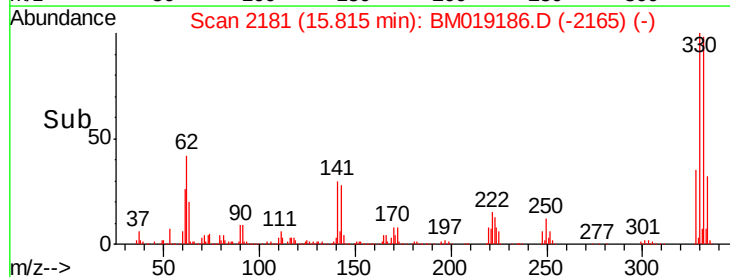
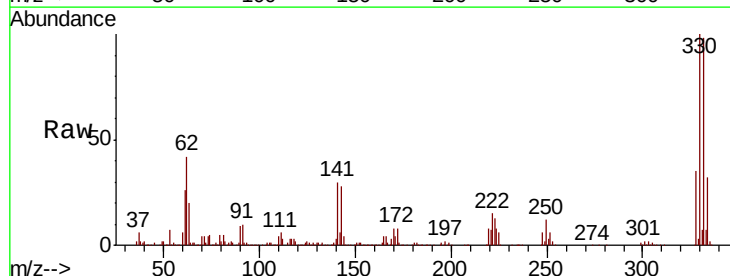
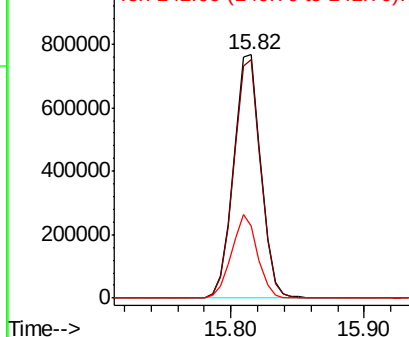
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	32.6	27.0	40.4

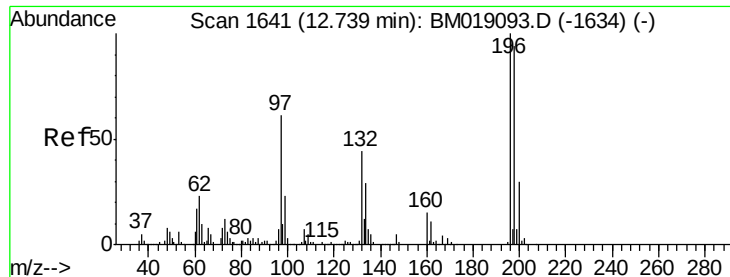
Abundance

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





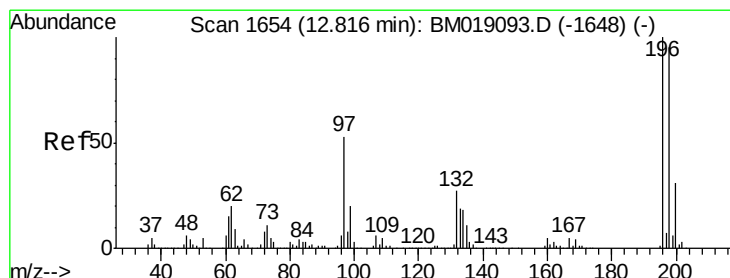
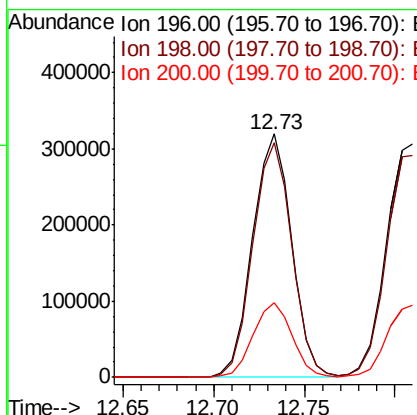
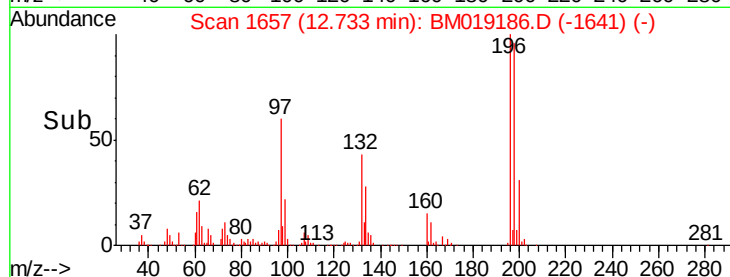
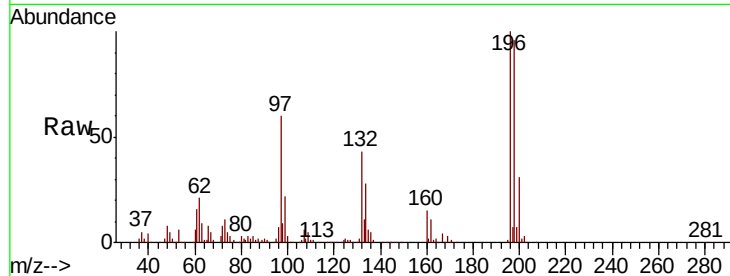
#43
 2,4,6-Trichlorophenol
 Concen: 39.252 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	478691		
198	96.5	75.4	113.0	
200	30.7	24.2	36.2	

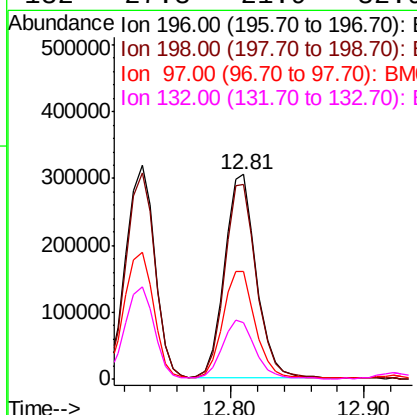
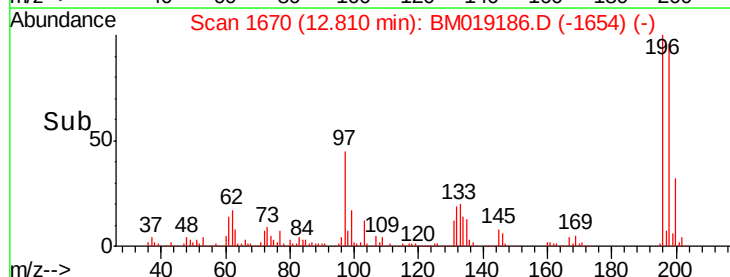
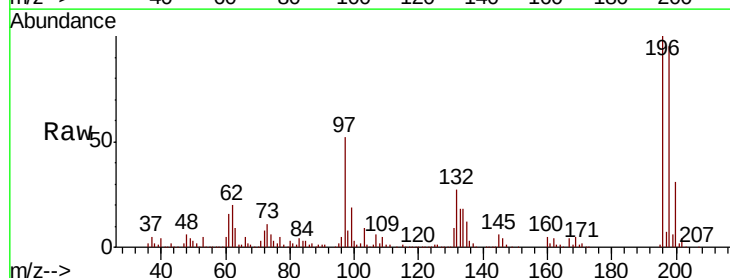
Manual Integrations
 APPROVED

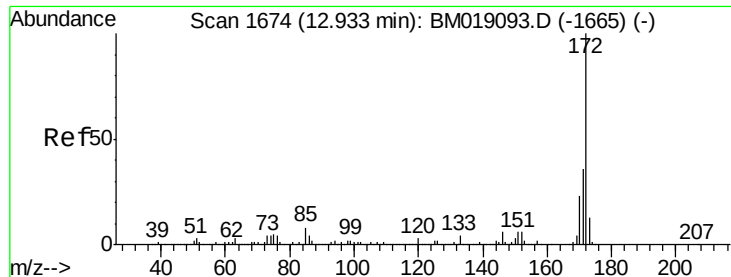
Sohil
 3/18/2019 3:04:27 PM



#44
 2,4,5-Trichlorophenol
 Concen: 38.571 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	503006		
198	95.2	75.9	113.9	
97	52.4	42.5	63.7	
132	27.3	21.9	32.9	





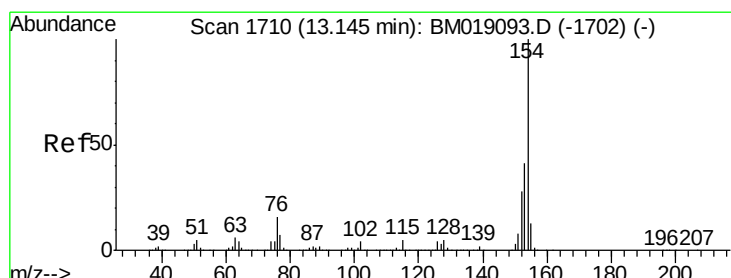
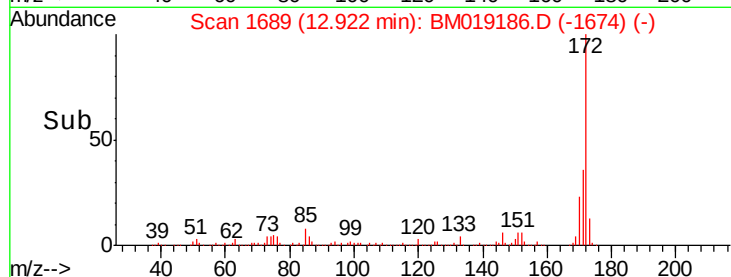
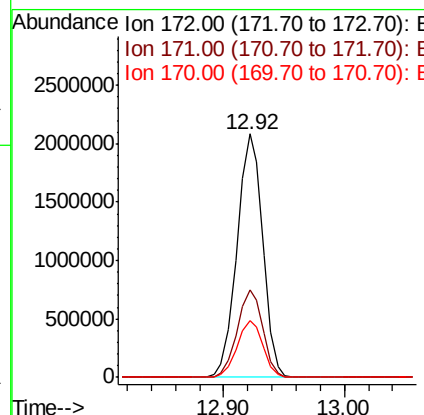
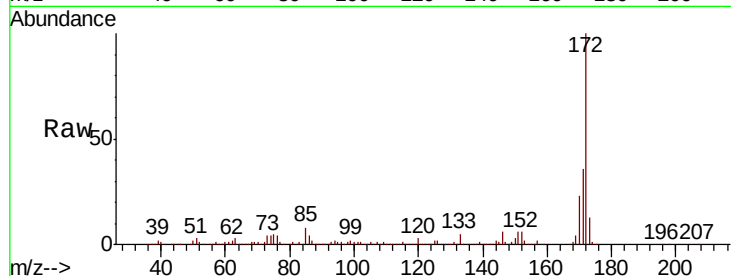
#45
2-Fluorobiphenyl
Concen: 67.197 ng
RT: 12.92 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.3	18.6	28.0

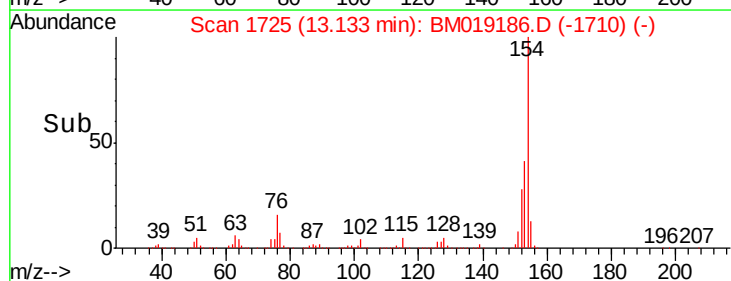
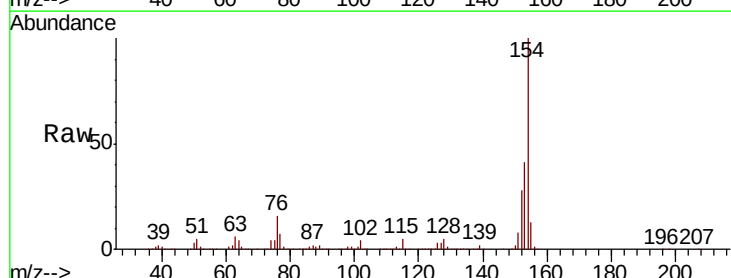
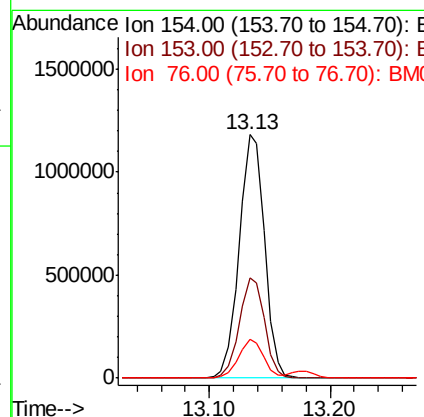
Manual Integrations
APPROVED

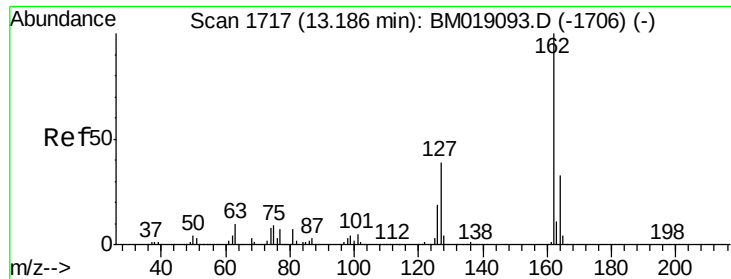
Sohil
3/18/2019 3:04:27 PM



#46
1,1'-Biphenyl
Concen: 33.246 ng
RT: 13.13 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.5	61.5
76	16.0	0.0	35.8





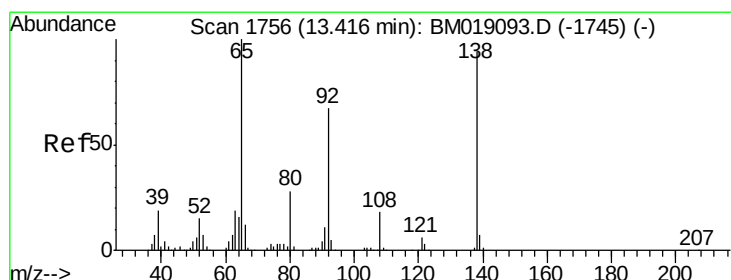
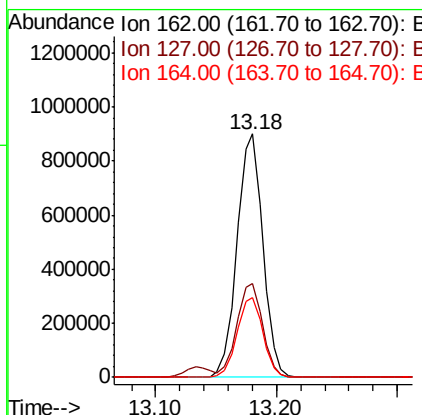
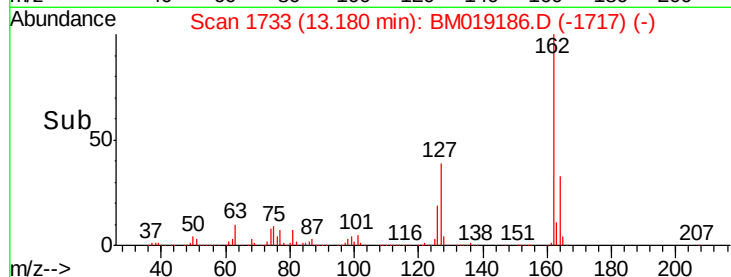
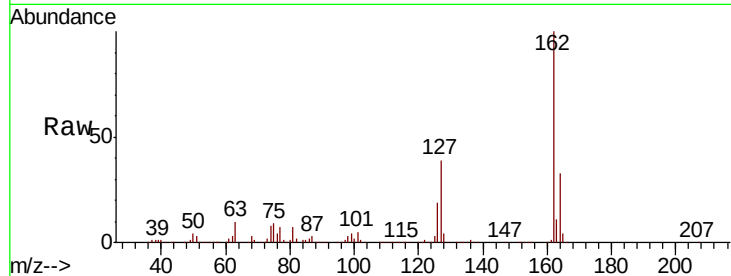
#47
2-Chloronaphthalene
Concen: 34.547 ng
RT: 13.18 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.5	31.2	46.8
164	32.6	26.3	39.5

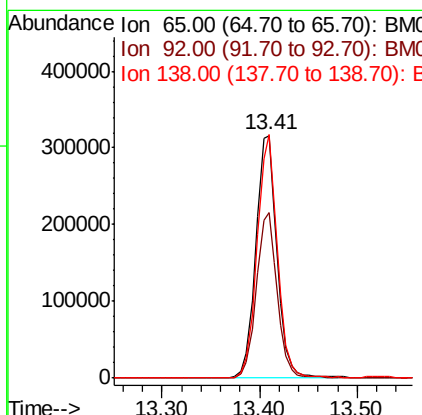
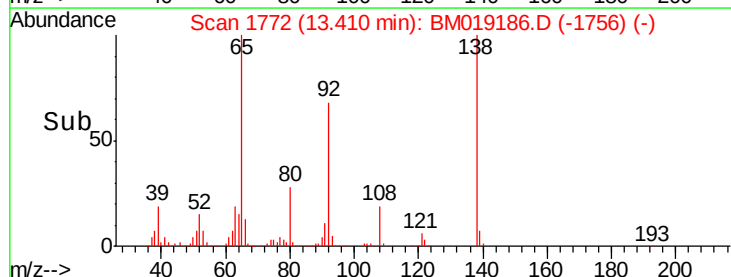
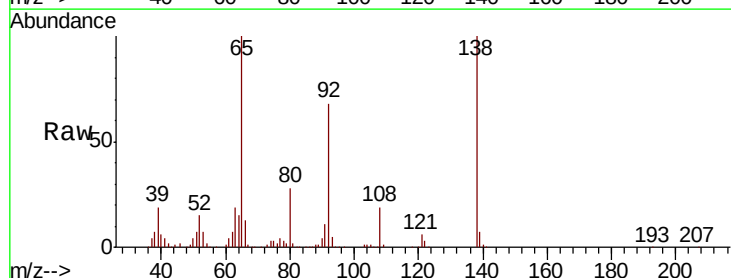
Manual Integrations
APPROVED

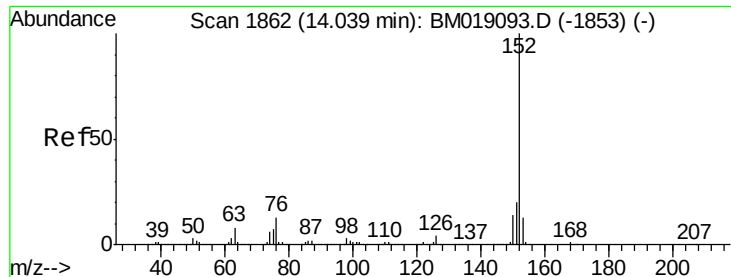
Sohil
3/18/2019 3:04:27 PM



#48
2-Nitroaniline
Concen: 37.300 ng
RT: 13.41 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.4	80.2
138	100.4	74.9	112.3





#49

Acenaphthylene

Concen: 33.960 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion:152 Resp: 2233034

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

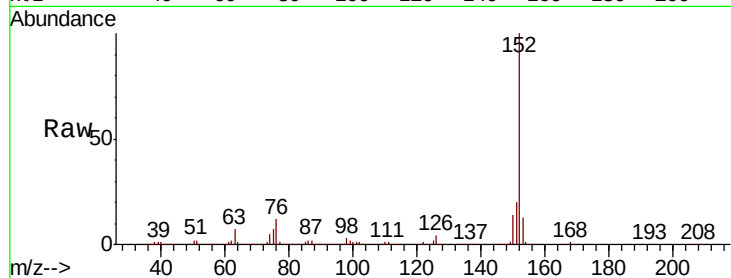
153 13.0 10.6 15.8

Manual Integrations

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Sohil

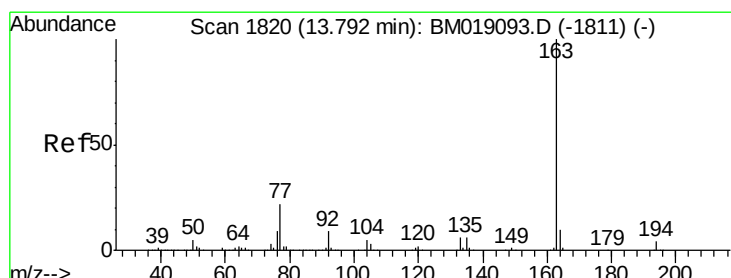
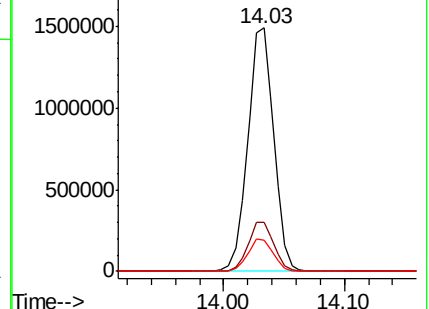
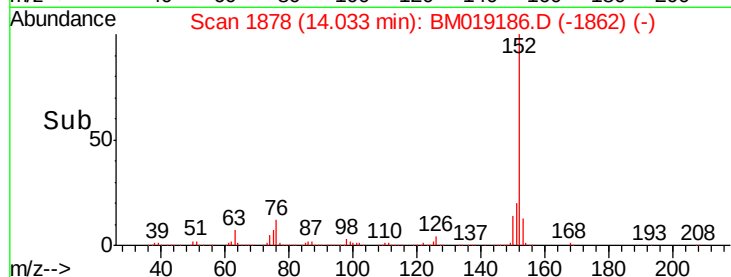
3/18/2019 3:04:27 PM



Abundance Ion 152.00 (151.70 to 152.70): E

2000000 Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.435 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

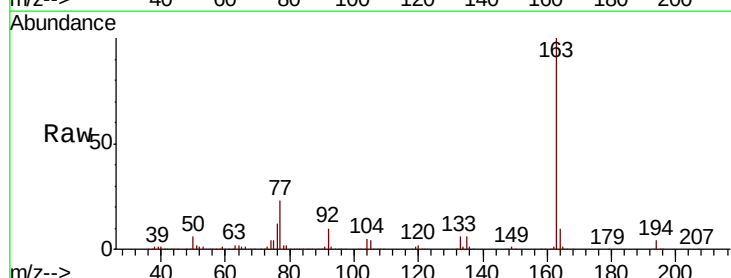
Tgt Ion:163 Resp: 1961519

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

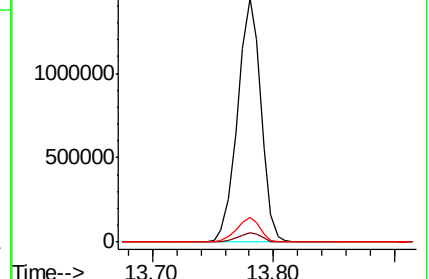
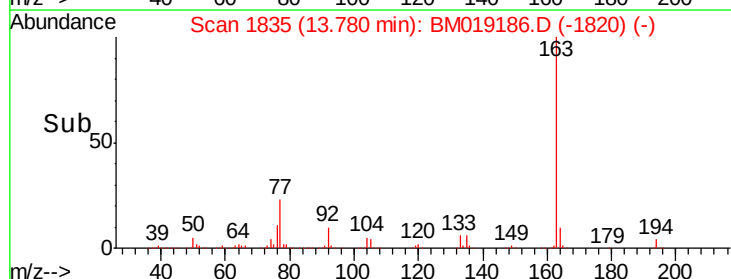
164 10.2 7.7 11.5

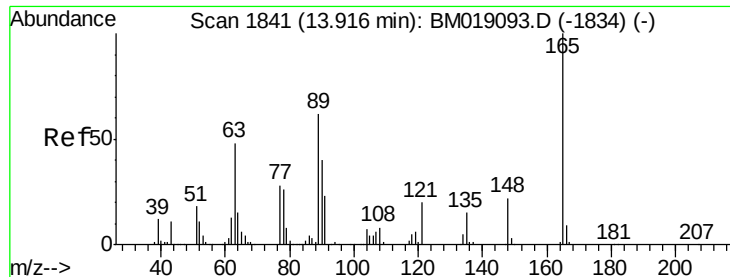


Abundance Ion 163.00 (162.70 to 163.70): E

2000000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





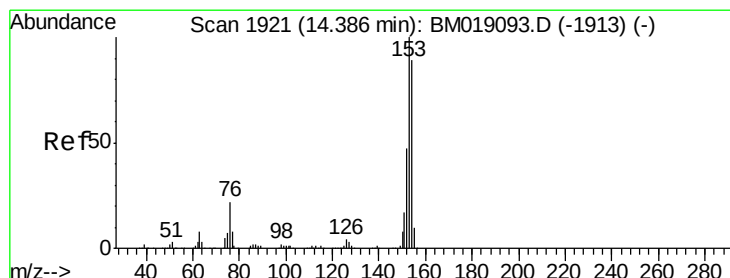
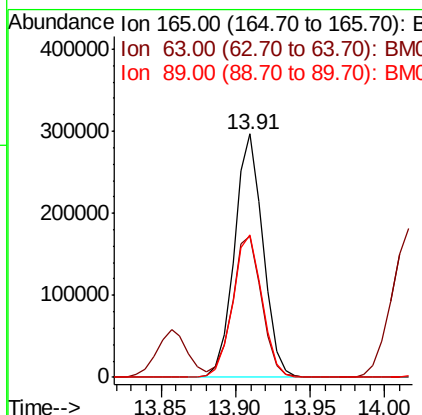
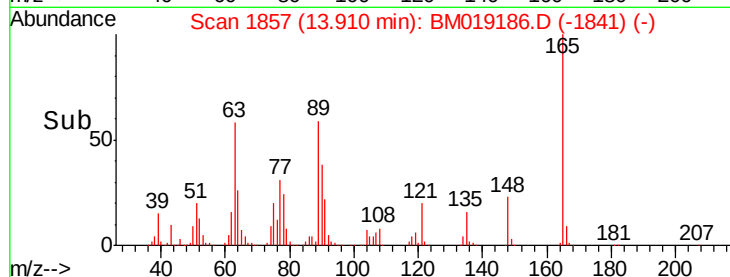
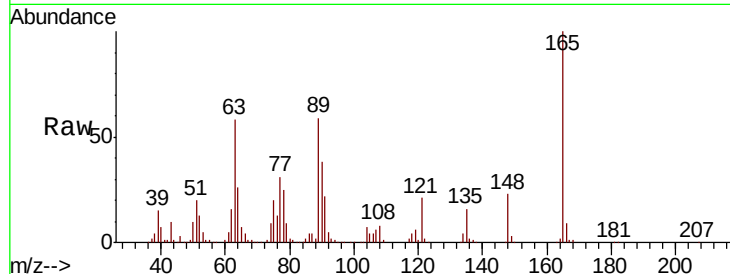
#51
2,6-Dinitrotoluene
Concen: 35.764 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.0	48.2	72.4
89	58.6	49.3	73.9

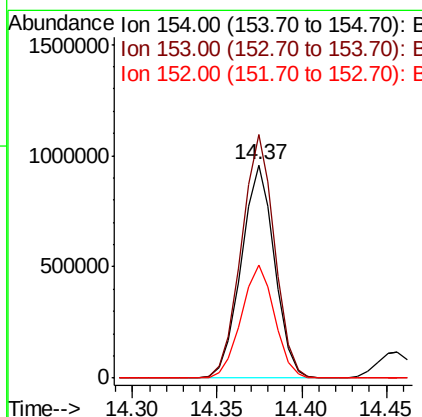
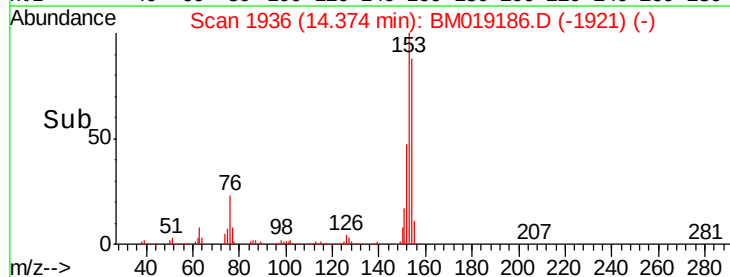
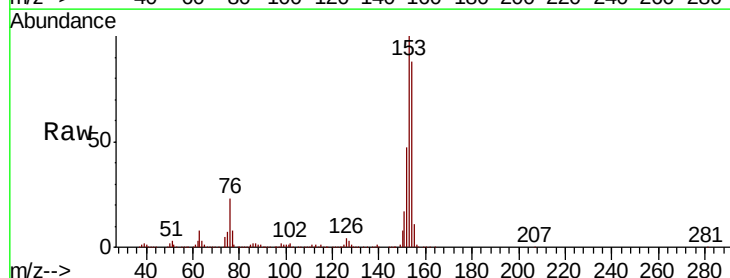
Manual Integrations
APPROVED

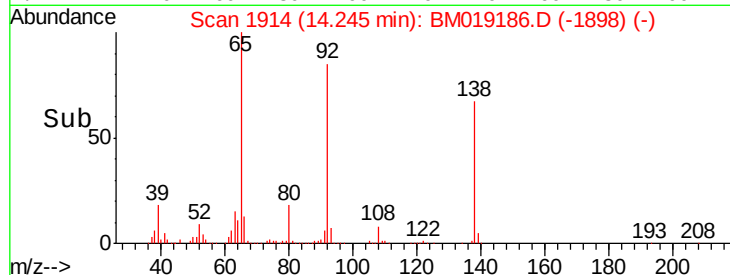
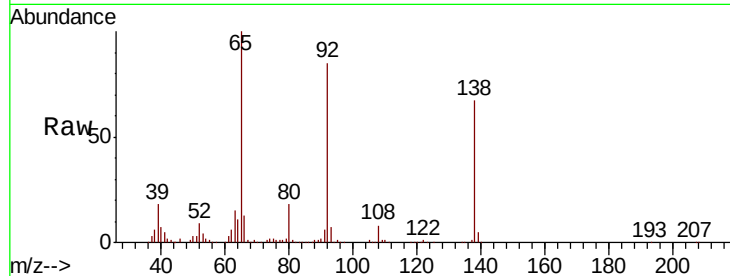
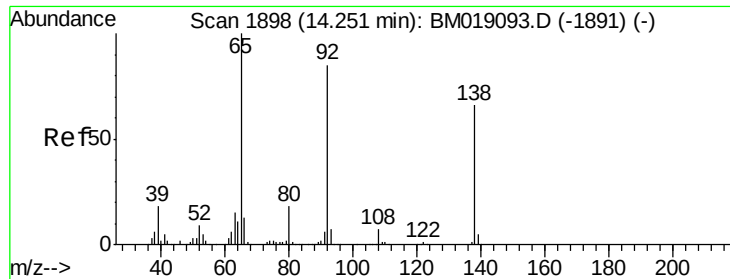
Sohil
3/18/2019 3:04:27 PM



#52
Acenaphthene
Concen: 34.754 ng
RT: 14.37 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.1	135.1
152	53.2	42.5	63.7





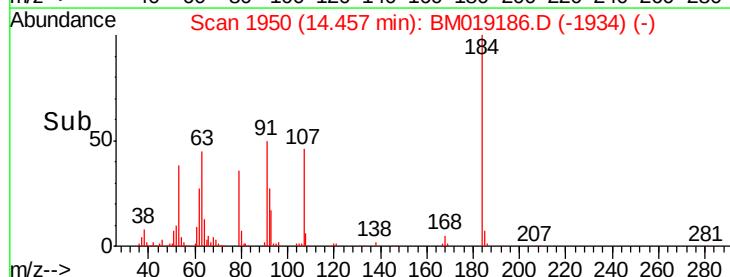
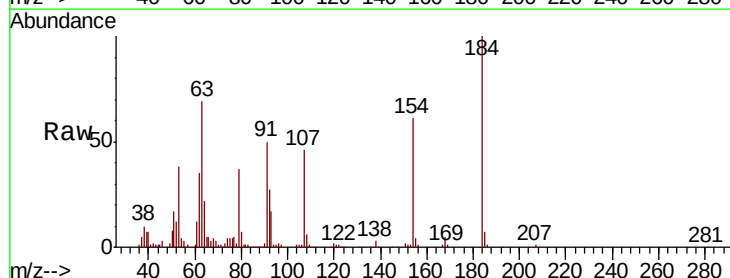
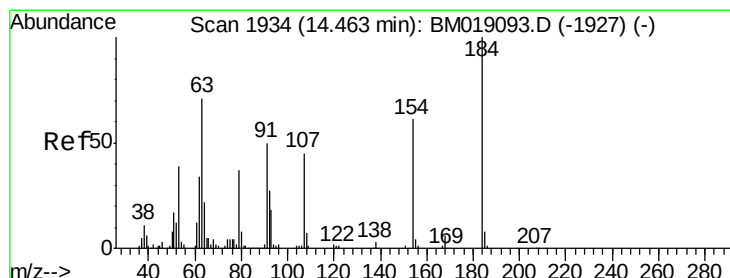
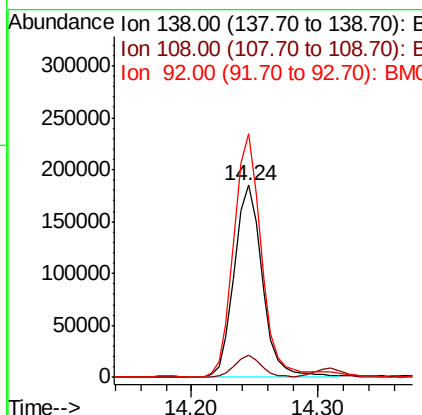
#53
3-Nitroaniline
Concen: 24.351 ng
RT: 14.24 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tot Ion	Ratio	Resp	Lower	Upper
138	100	284527		
108	11.4	9.0	13.4	
92	126.7	102.6	153.8	

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

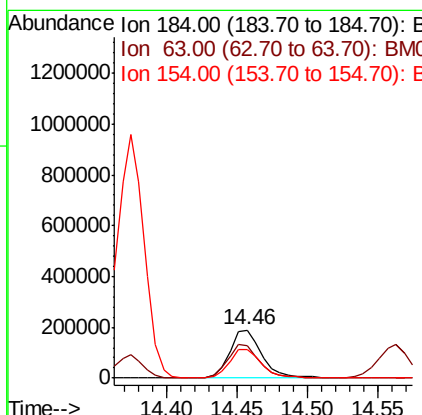
Manual Integrations
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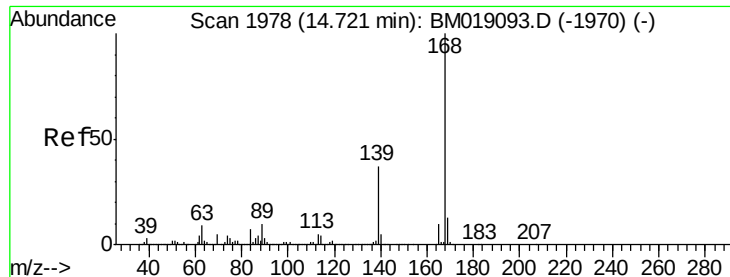
Sohil
3/18/2019 3:04:27 PM



#54
2,4-Dinitrophenol
Concen: 46.438 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	297522		
63	68.7	56.7	85.1	
154	60.7	49.3	73.9	





#55

Dibenzofuran

Concen: 35.170 ng

RT: 14.71 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion:168 Resp: 2143027

Ion Ratio Lower Upper

168 100

139 37.2 30.1 45.1

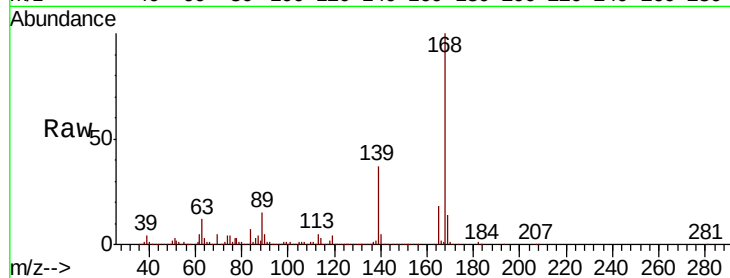
169 13.5 10.6 16.0

Manual Integrations

APPROVED

Sohil

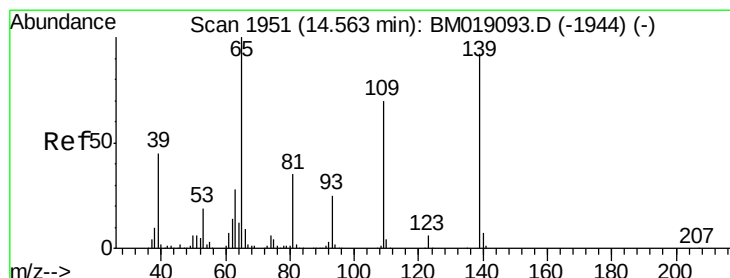
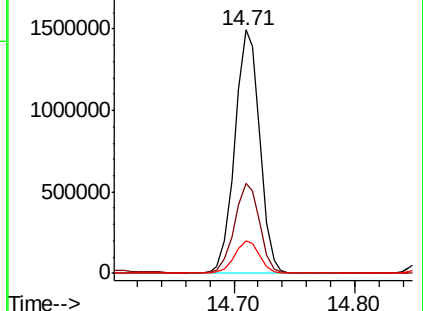
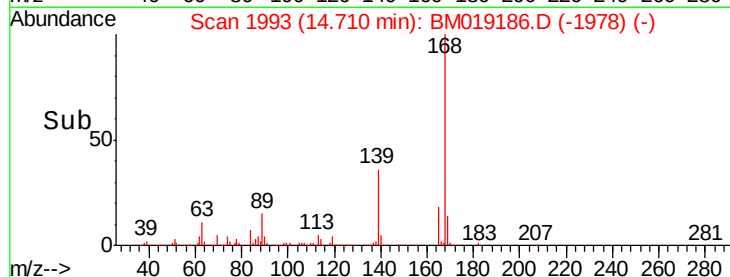
3/18/2019 3:04:27 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 70.643 ng

RT: 14.56 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

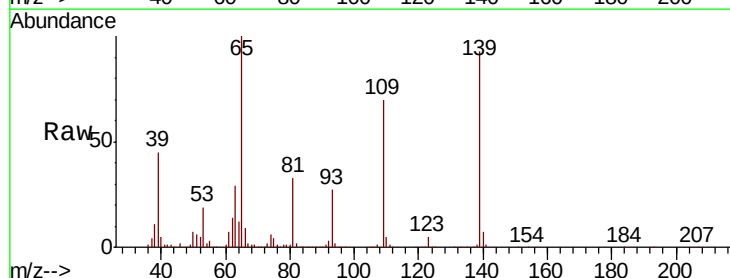
Tgt Ion:139 Resp: 673928

Ion Ratio Lower Upper

139 100

109 75.5 56.3 96.3

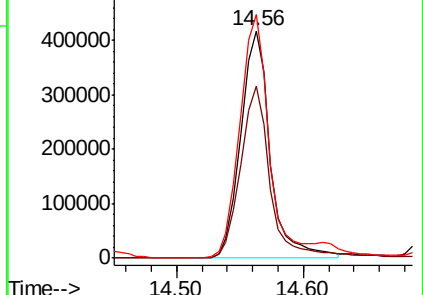
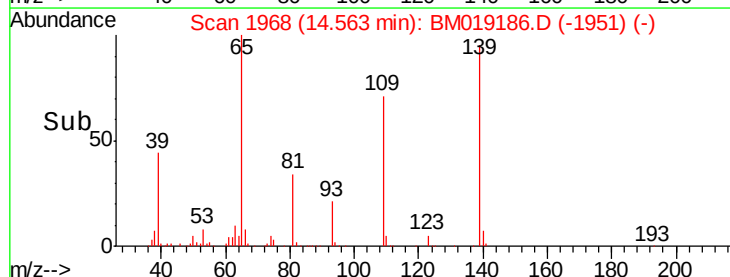
65 107.0 89.2 129.2

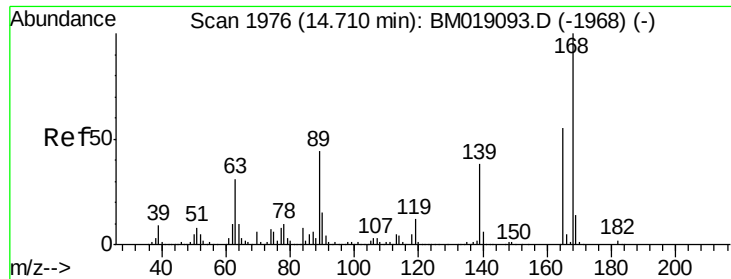


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





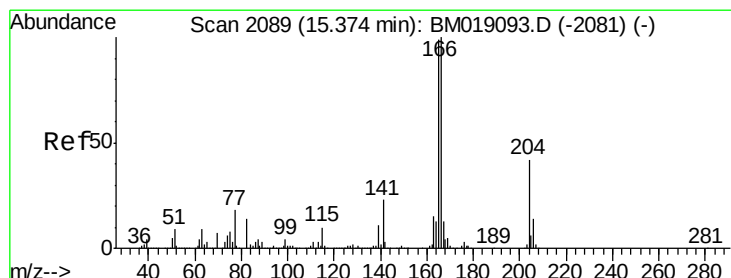
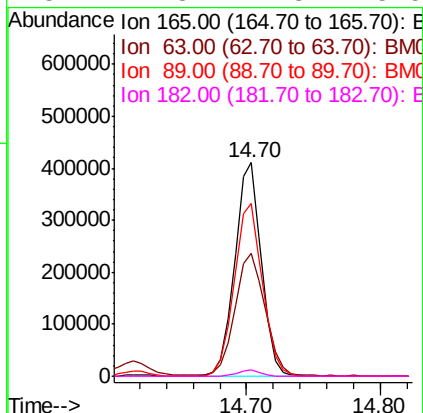
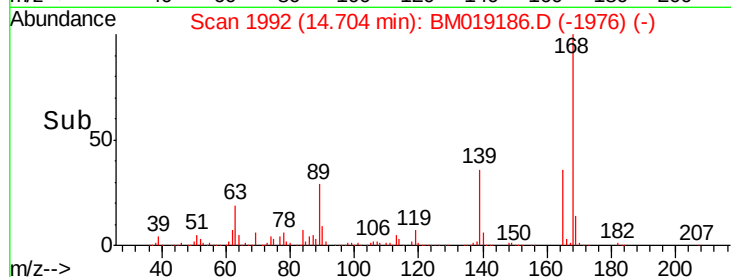
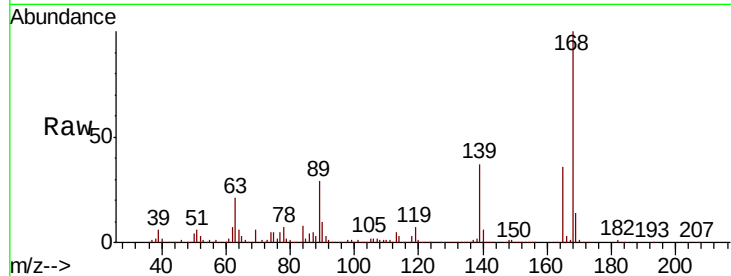
#57
2,4-Dinitrotoluene
Concen: 35.340 ng
RT: 14.70 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	565937		
63	57.8		44.7	67.1
89	80.7		63.4	95.2
182	2.8		2.3	3.5

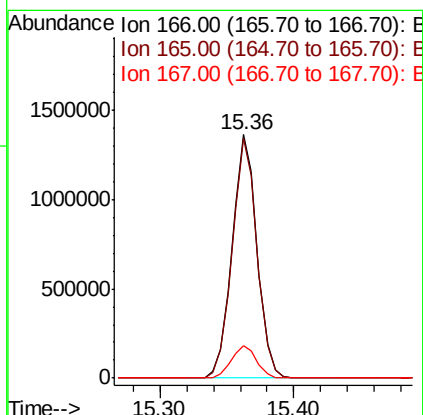
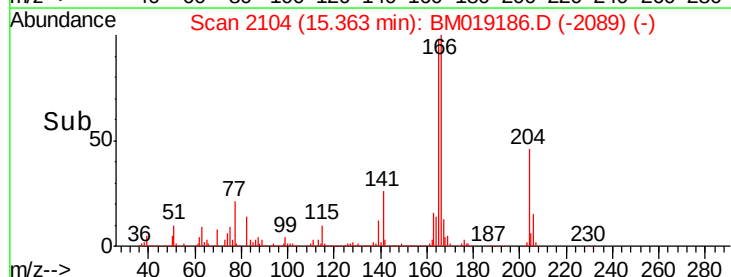
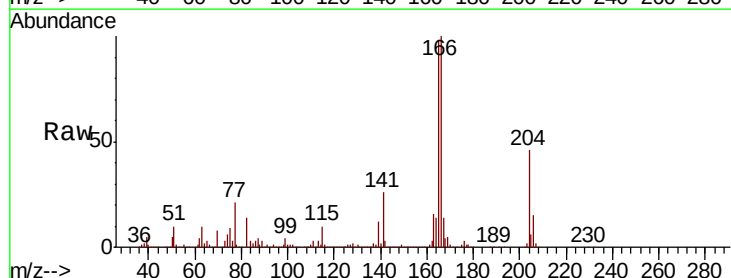
Manual Integrations
APPROVED

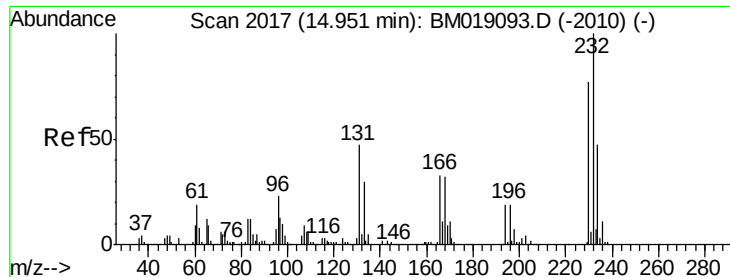
Sohil
3/18/2019 3:04:27 PM



#58
Fluorene
Concen: 35.232 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1769532		
165	98.4		79.0	118.4
167	13.5		10.8	16.2





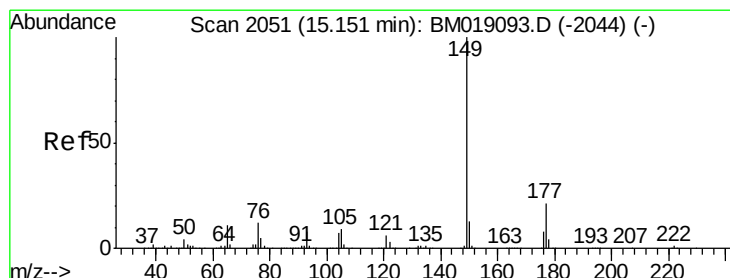
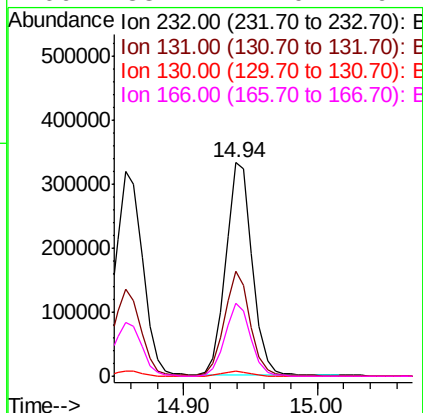
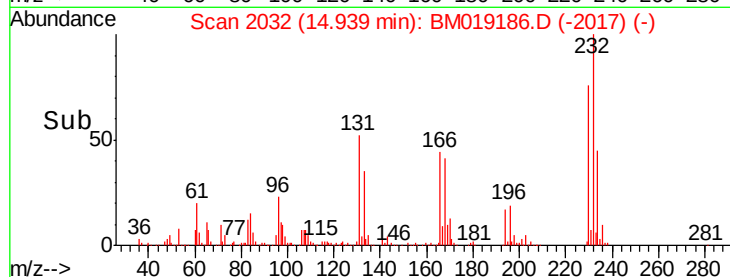
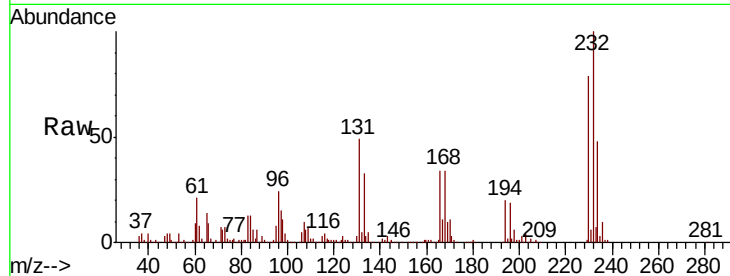
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.923 ng
RT: 14.94 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleID :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.9	38.2	57.2
130	2.6	1.9	2.9
166	33.7	27.0	40.4

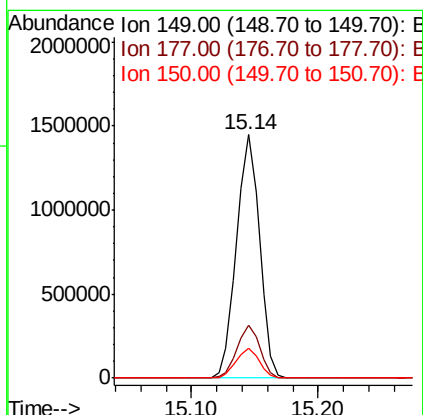
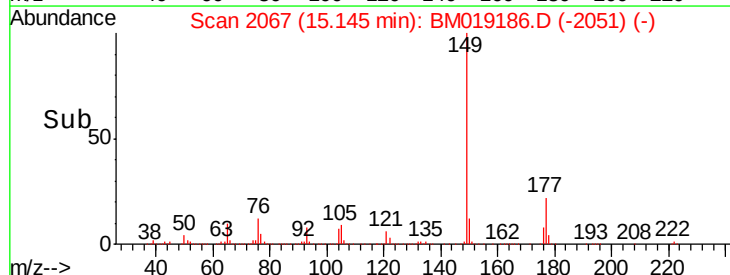
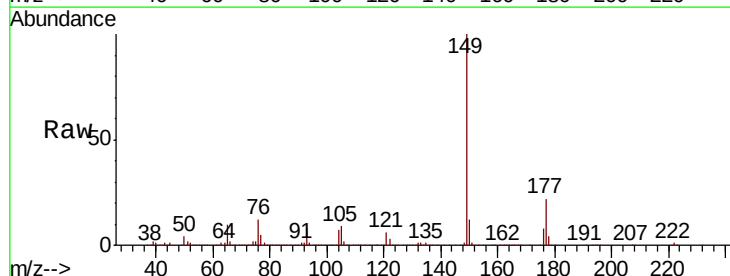
Manual Integrations
APPROVED

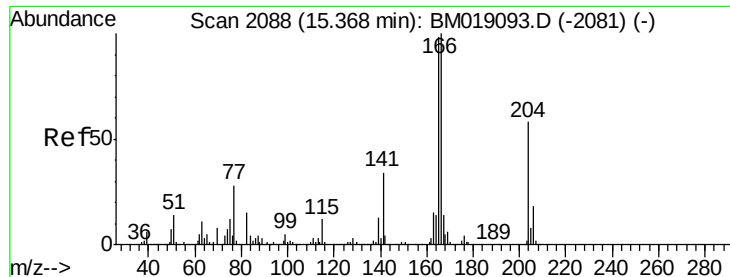
Sohil
3/18/2019 3:04:27 PM



#60
Diethylphthalate
Concen: 35.053 ng
RT: 15.14 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.0	25.6
150	12.2	10.2	15.4





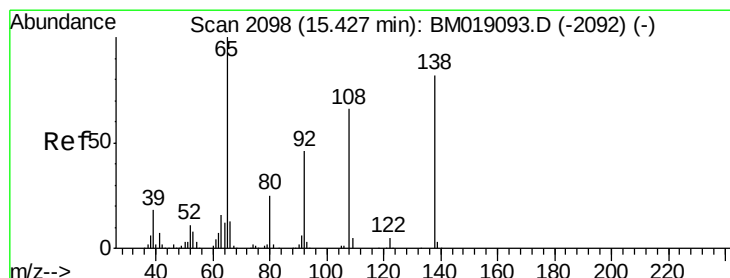
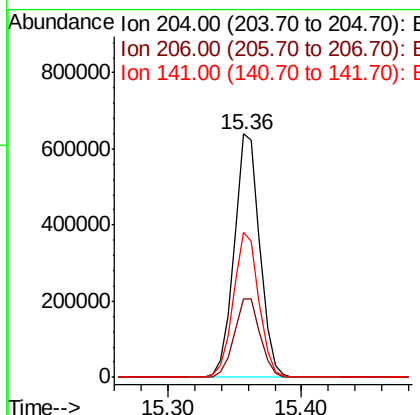
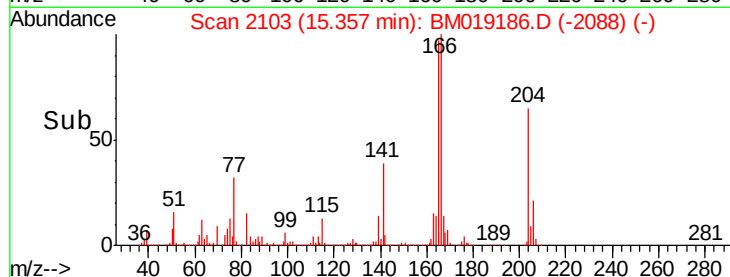
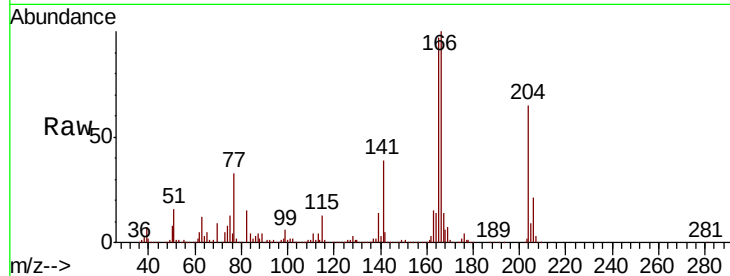
#61
4-Chlorophenyl-phenylether
Concen: 34.872 ng
RT: 15.36 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.5	38.3
141	59.7	47.8	71.8

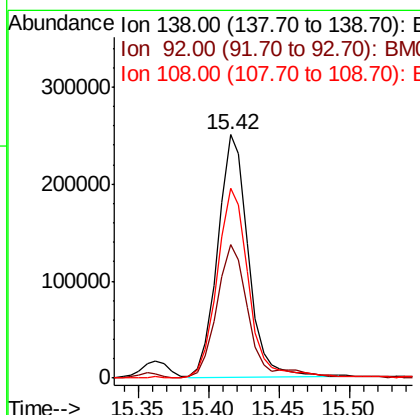
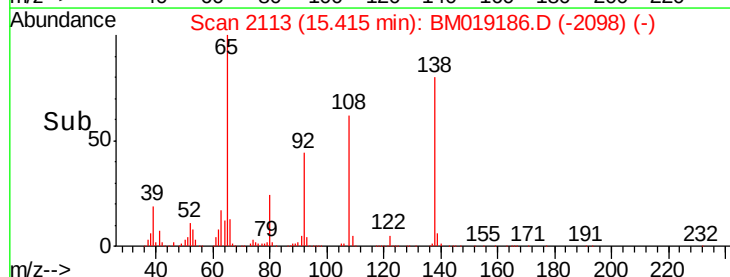
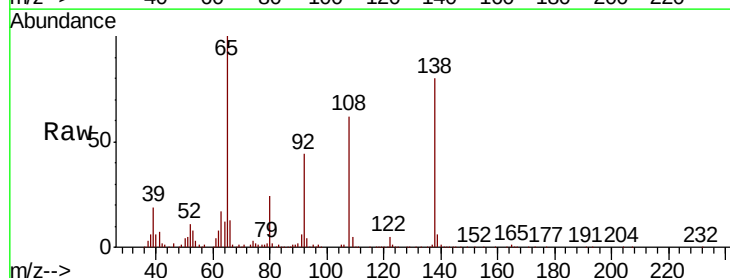
Manual Integrations
APPROVED

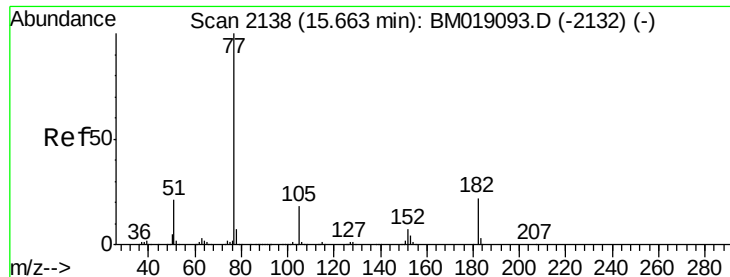
Sohil
3/18/2019 3:04:27 PM



#62
4-Nitroaniline
Concen: 31.624 ng
RT: 15.42 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.1	36.2	76.2
108	78.1	59.7	99.7





#63

Azobenzene

Concen: 35.400 ng

RT: 15.65 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion: 77 Resp: 1925366

Ion Ratio Lower Upper

77 100

182 21.7 1.8 41.8

105 18.0 0.0 38.3

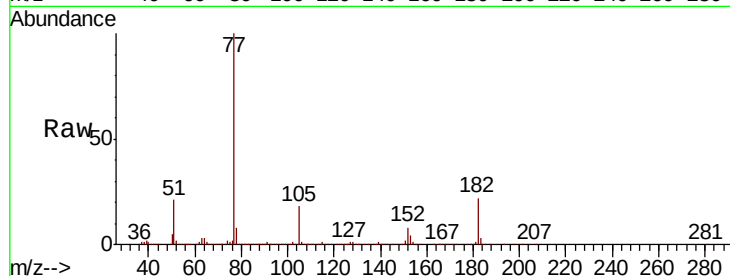
51 20.8 0.8 40.8

Manual Integrations

APPROVED

Sohil

3/18/2019 3:04:27 PM

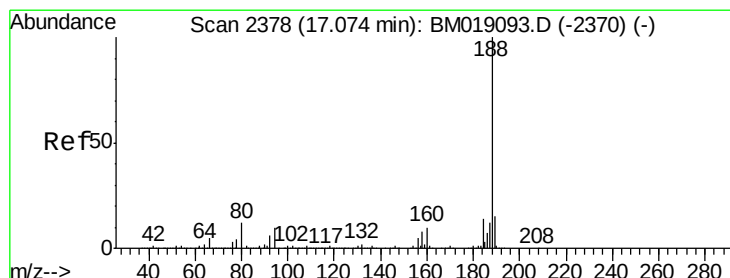
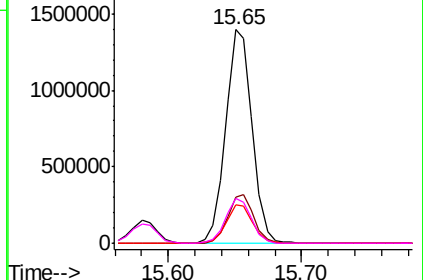
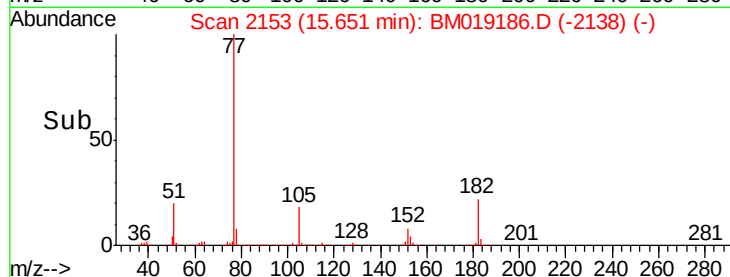


Abundance Ion 77.00 (76.70 to 77.70): BM019093.D (-2132) (-)

Ion 182.00 (181.70 to 182.70): BM019093.D (-2132) (-)

Ion 105.00 (104.70 to 105.70): BM019093.D (-2132) (-)

Ion 51.00 (50.70 to 51.70): BM019093.D (-2132) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

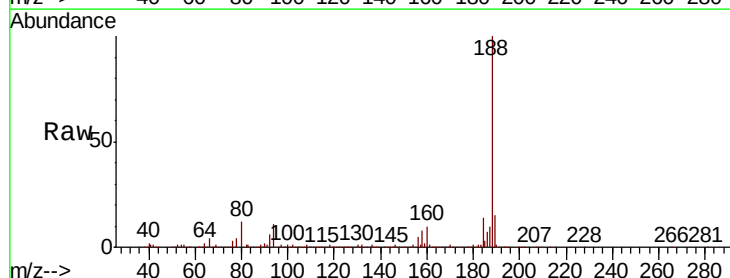
Tgt Ion: 188 Resp: 1365943

Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

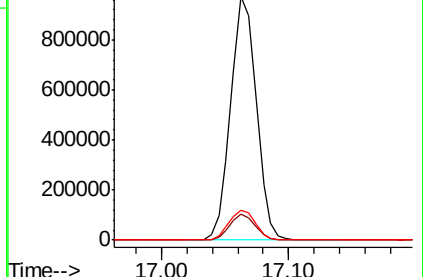
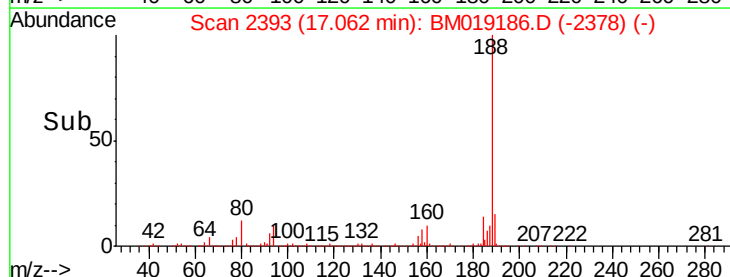
80 12.5 9.7 14.5

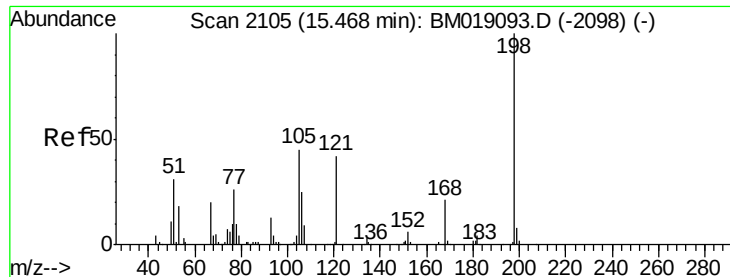


Abundance Ion 188.00 (187.70 to 188.70): BM019093.D (-2370) (-)

Ion 94.00 (93.70 to 94.70): BM019093.D (-2370) (-)

Ion 80.00 (79.70 to 80.70): BM019093.D (-2370) (-)





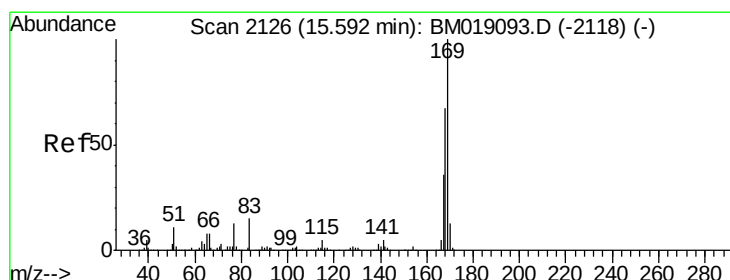
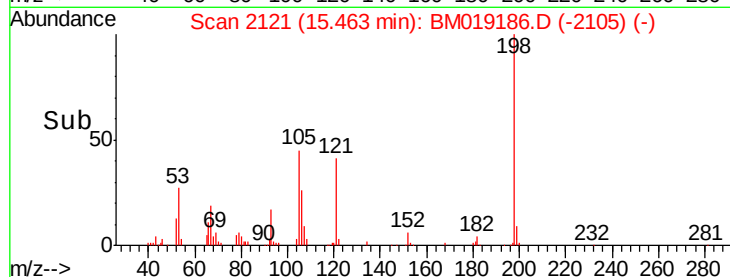
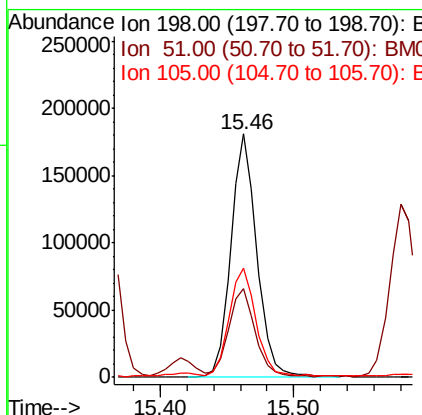
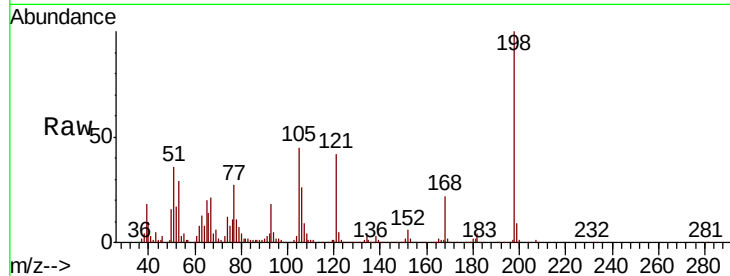
#65
4,6-Dinitro-2-methylphenol
Concen: 27.481 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	245984		
51	36.4	17.3	57.3	
105	45.1	26.2	66.2	

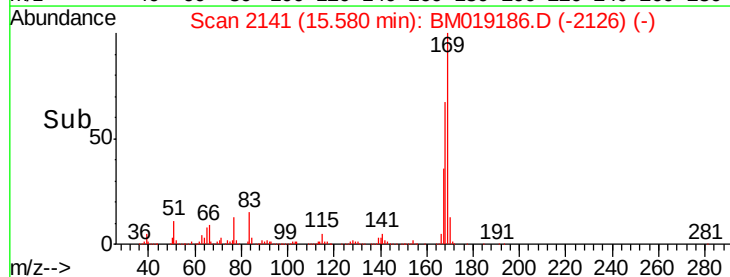
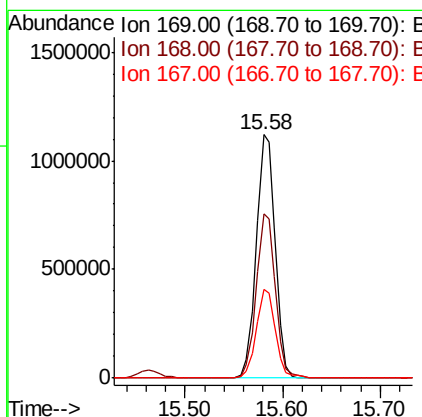
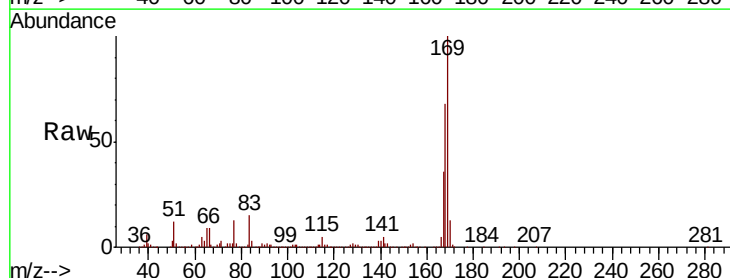
Manual Integrations
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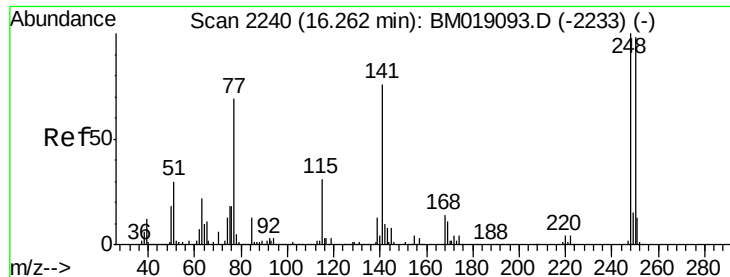
Sohil
3/18/2019 3:04:27 PM



#66
n-Nitrosodiphenylamine
Concen: 35.388 ng
RT: 15.58 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1538899		
168	67.7	53.9	80.9	
167	36.4	28.8	43.2	





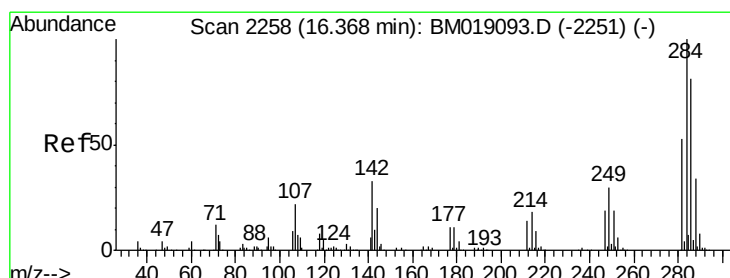
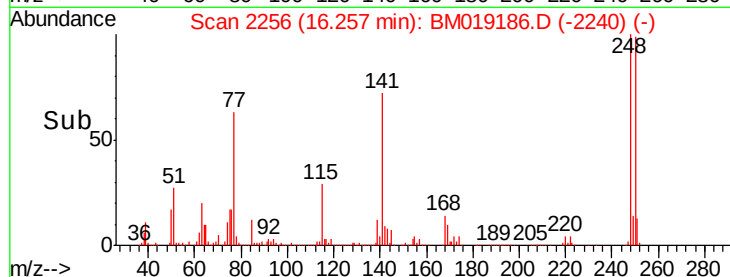
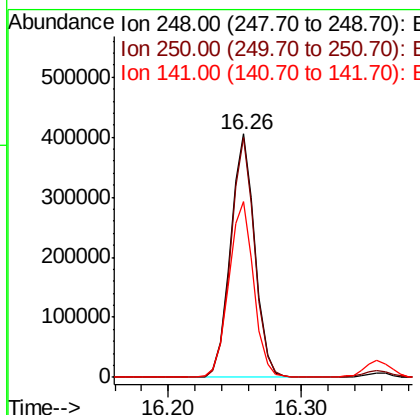
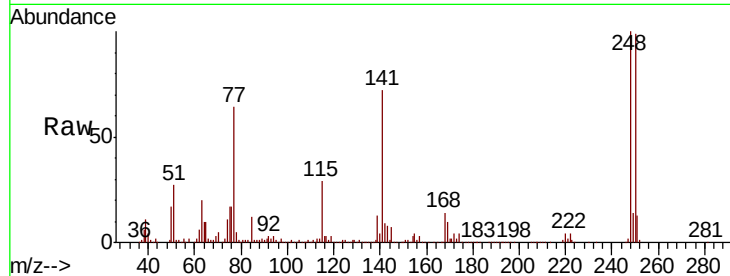
#67
4-Bromophenyl-phenylether
Concen: 34.300 ng
RT: 16.26 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampled :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.0	117.0
141	72.0	61.0	91.4

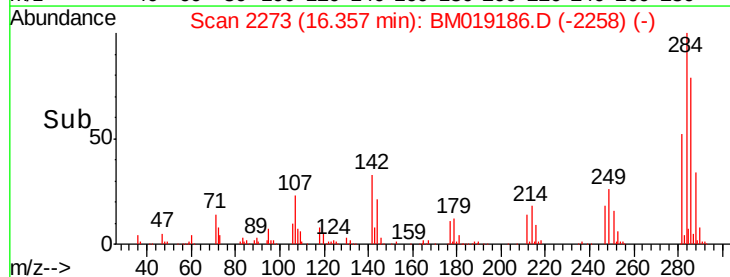
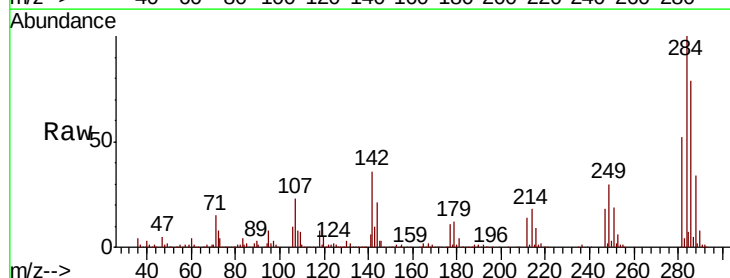
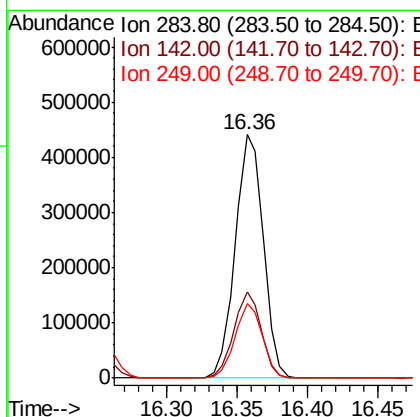
Manual Integrations
APPROVED

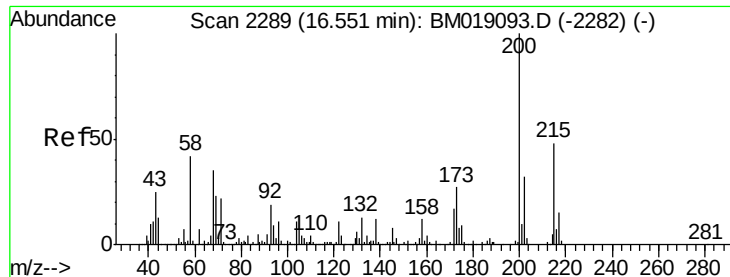
Sohil
3/18/2019 3:04:27 PM



#68
Hexachlorobenzene
Concen: 34.040 ng
RT: 16.36 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.5	26.3	39.5
249	30.5	24.1	36.1





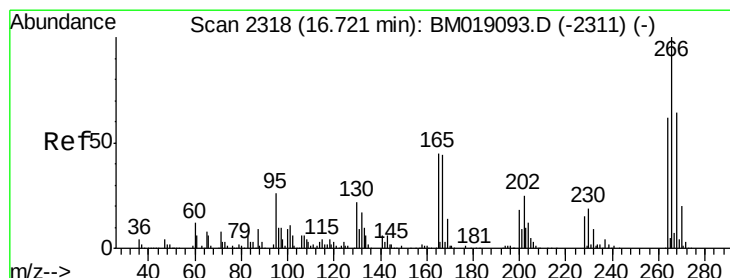
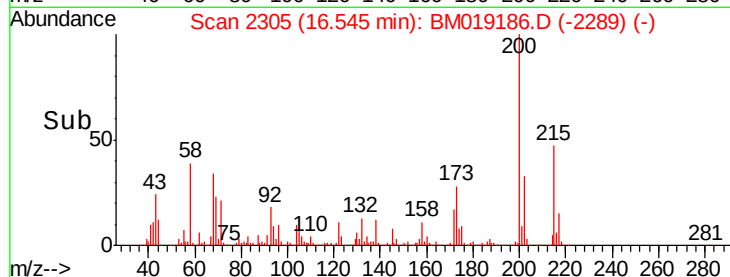
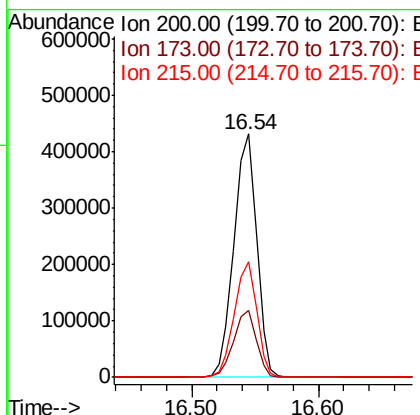
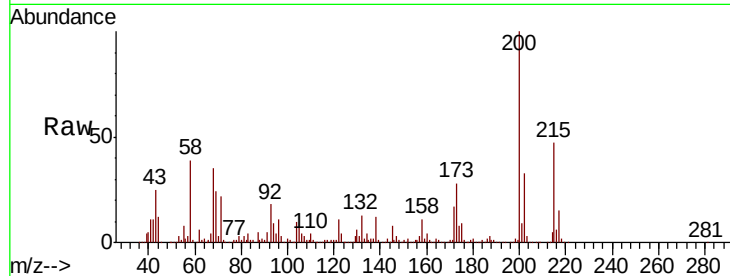
#69
Atrazine
Concen: 36.731 ng
RT: 16.54 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	537701		
173	27.7	7.0	47.0	
215	47.4	27.7	67.7	

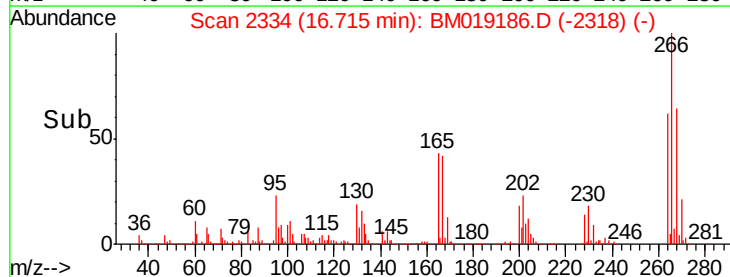
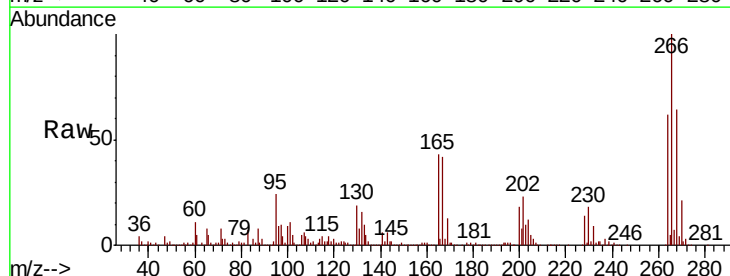
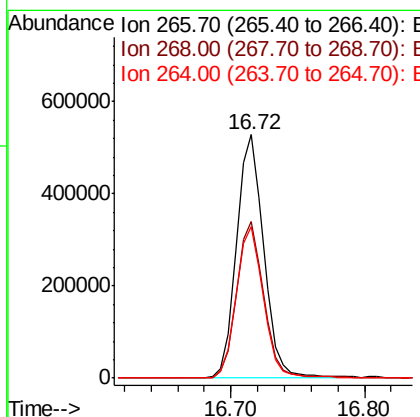
Manual Integrations
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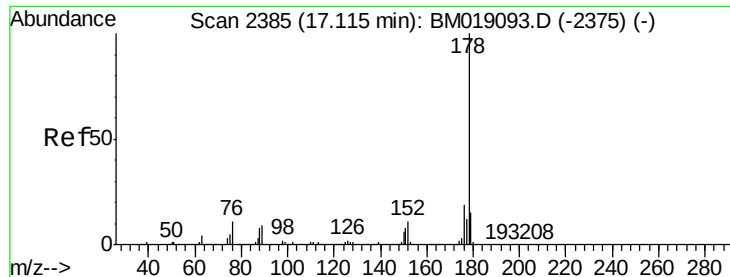
Sohil
3/18/2019 3:04:27 PM



#70
Pentachlorophenol
Concen: 69.484 ng
RT: 16.72 min Scan# 2334
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	749686		
268	64.3	51.3	76.9	
264	62.4	50.0	75.0	





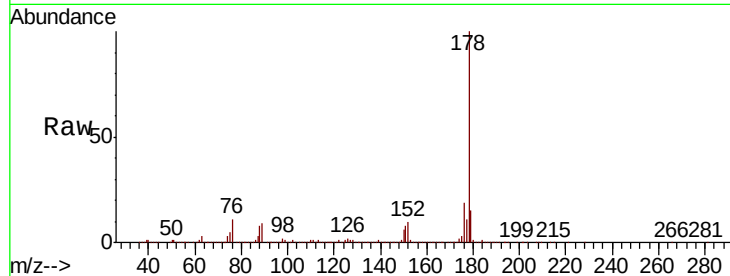
#71
Phenanthrene
Concen: 35.410 ng
RT: 17.11 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.2	18.2

Manual Integrations
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Sohil
3/18/2019 3:04:27 PM

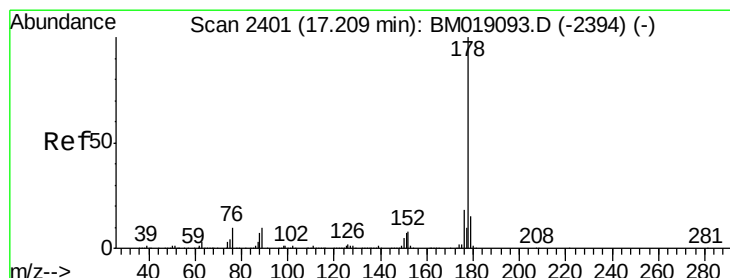
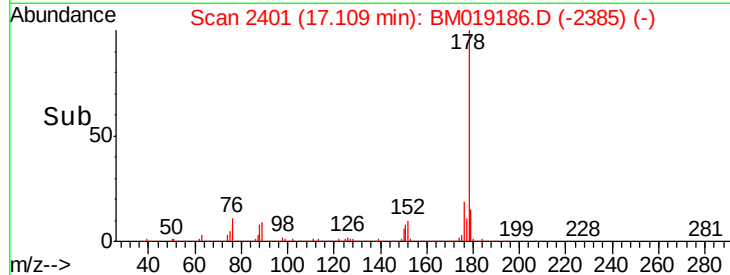
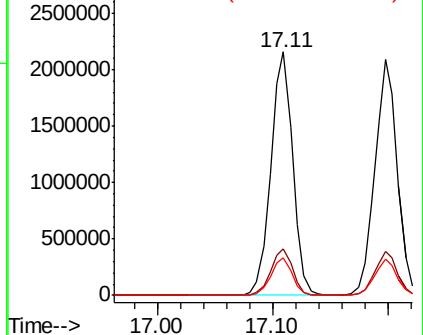


Abundance

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: 36.103 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

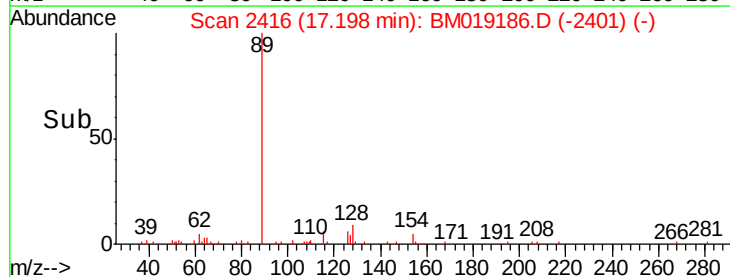
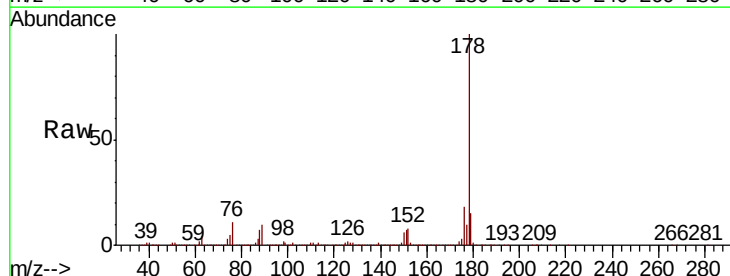
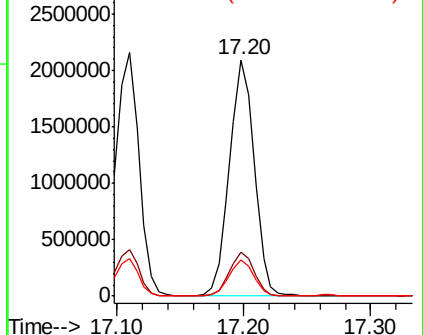
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.2	11.9	17.9

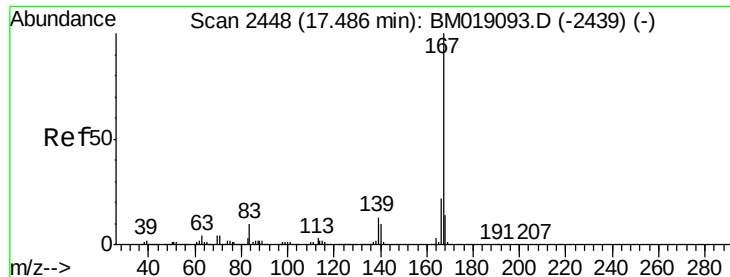
Abundance

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





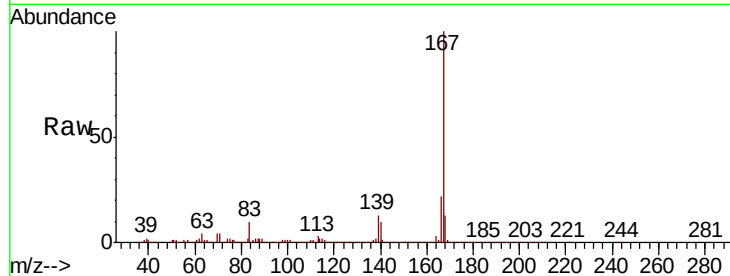
#73
 Carbazole
 Concen: 34.406 ng
 RT: 17.48 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.7	17.8	26.8	
139	12.9	10.5	15.7	

Manual Integrations
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 3/18/2019 3:04:27 PM

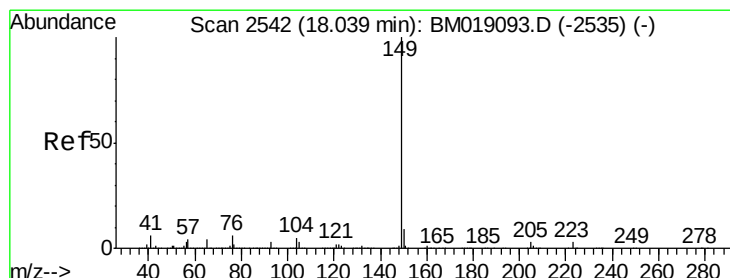
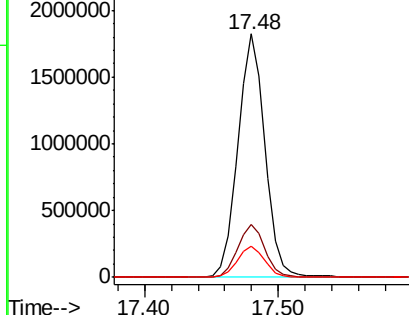
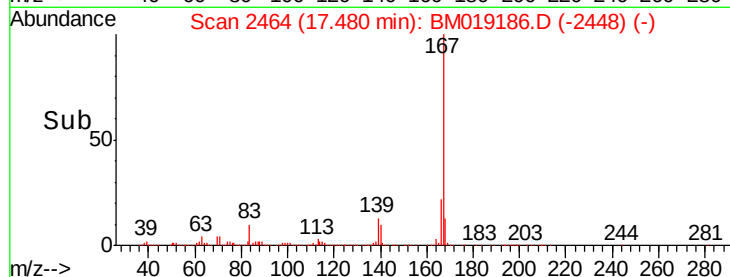


Abundance

Ion 167.00 (166.70 to 167.70): E

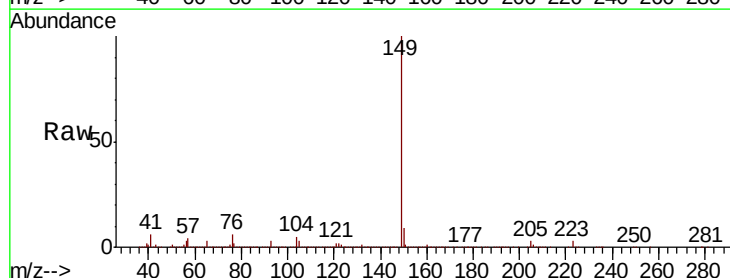
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 35.980 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
150	9.1	7.4	11.0	
104	5.2	4.2	6.4	

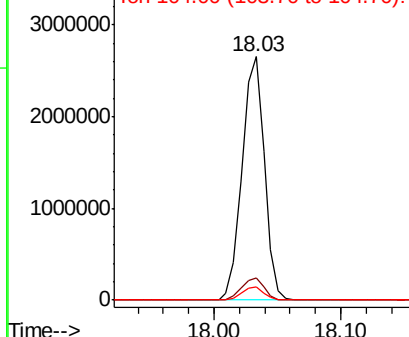
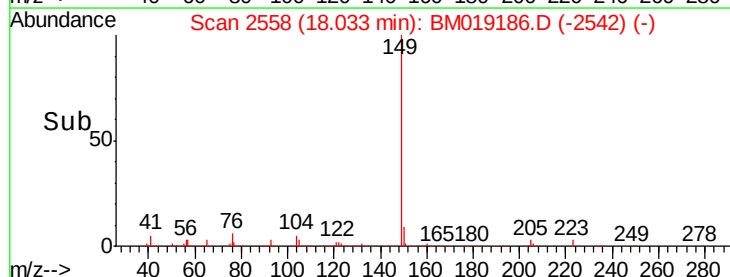


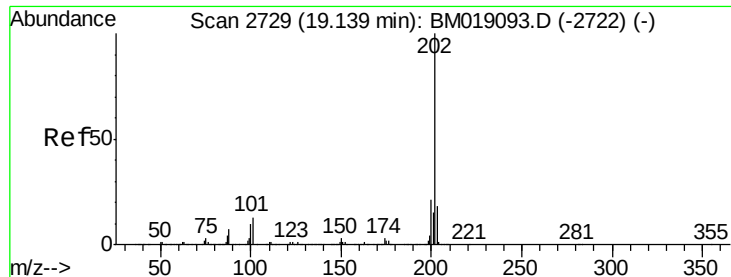
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.128 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

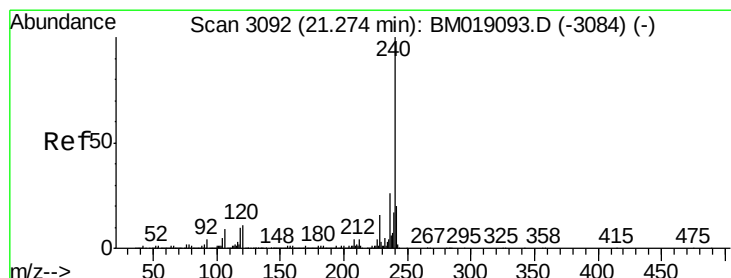
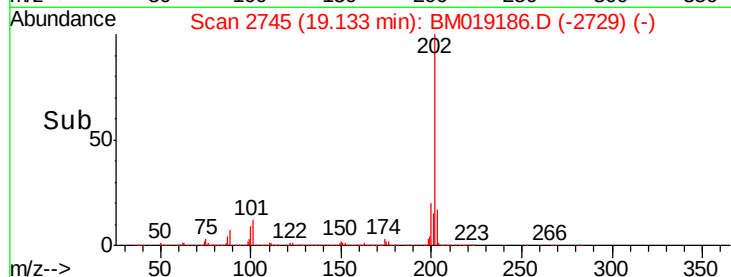
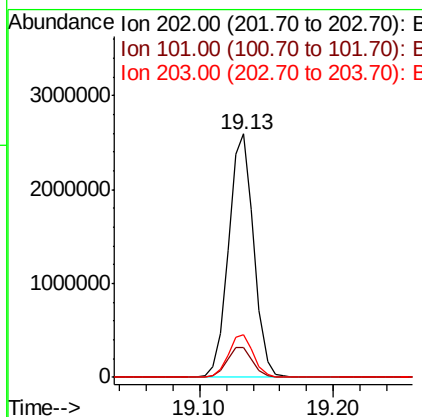
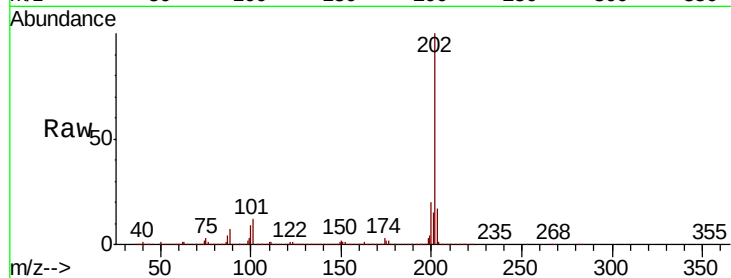
ClientSampleId :

RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.0
203	17.3	0.0	37.8

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#76

Chrysene-d12

Concen: 20.000 ng

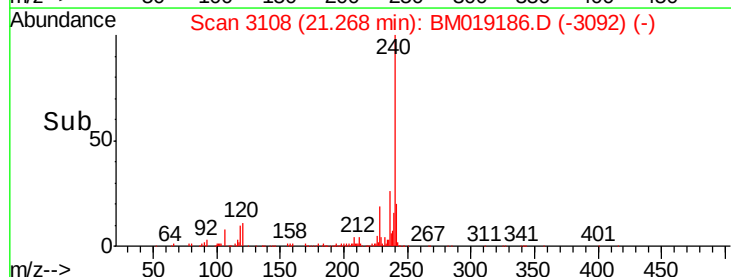
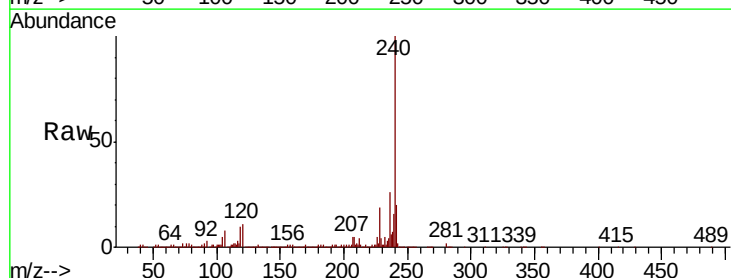
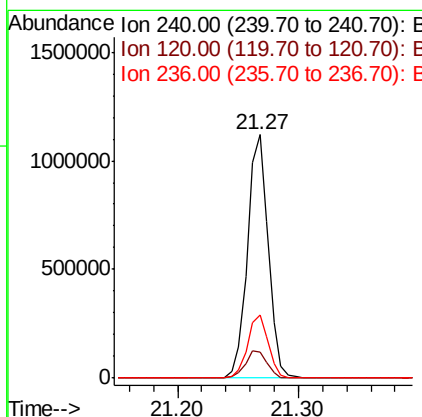
RT: 21.27 min Scan# 3108

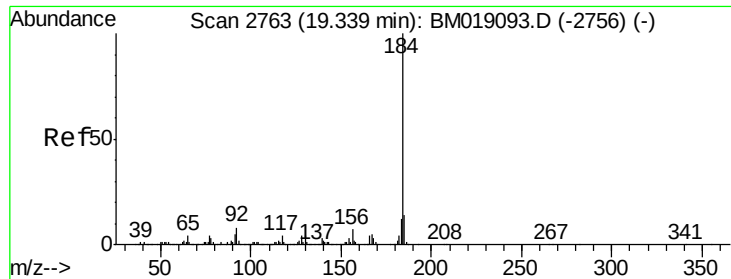
Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.7	21.0	31.4





#77

Benzidine

Concen: 45.263 ng

RT: 19.33 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion:184 Resp: 1734111

Ion Ratio Lower Upper

184 100

185 14.4 11.0 16.4

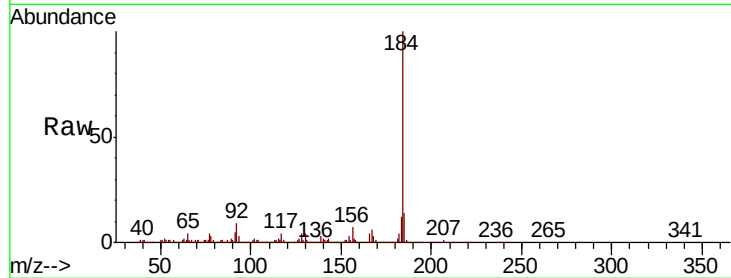
183 12.2 9.8 14.6

Manual Integrations

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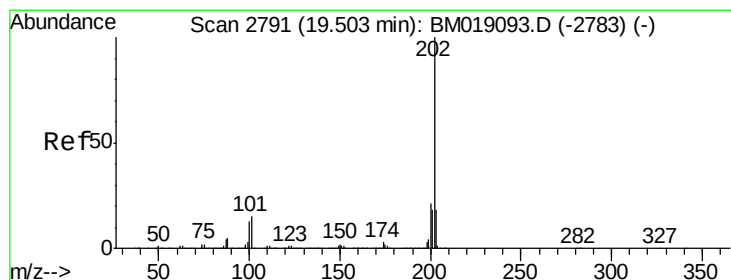
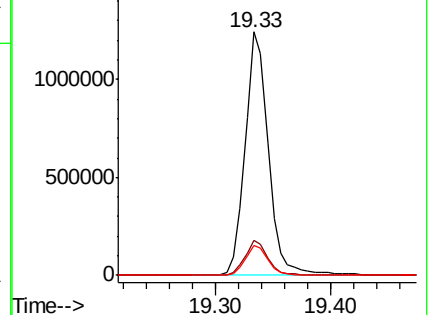
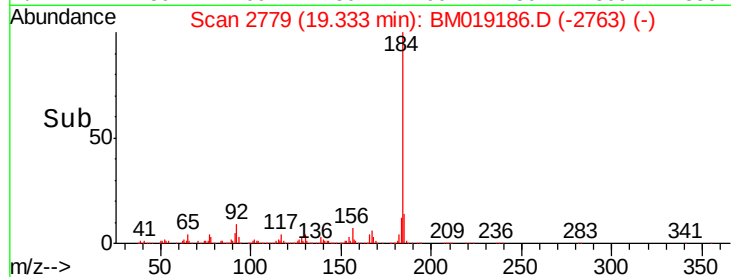
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.531 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

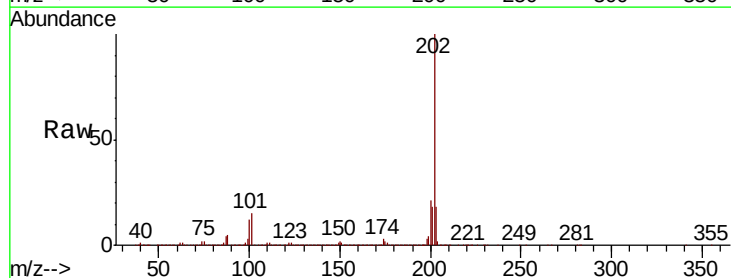
Tgt Ion:202 Resp: 3378823

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

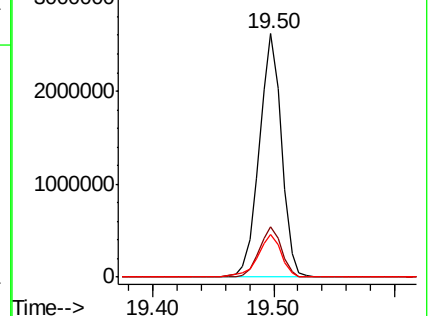
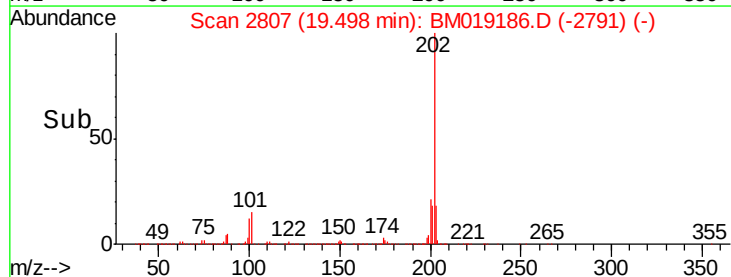
203 17.7 14.0 21.0

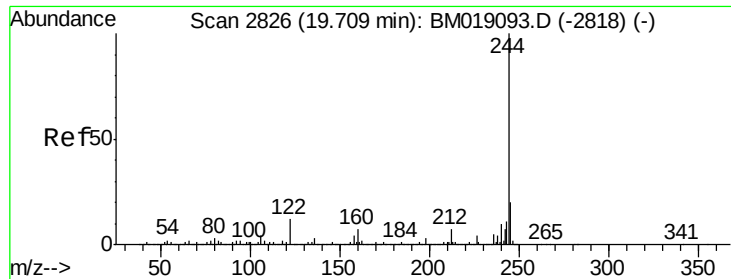


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





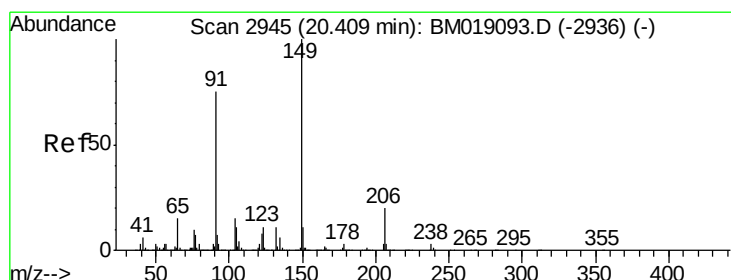
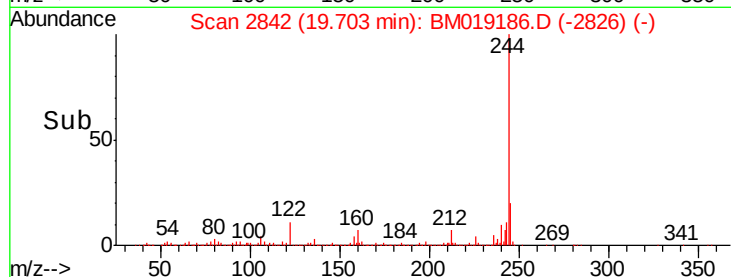
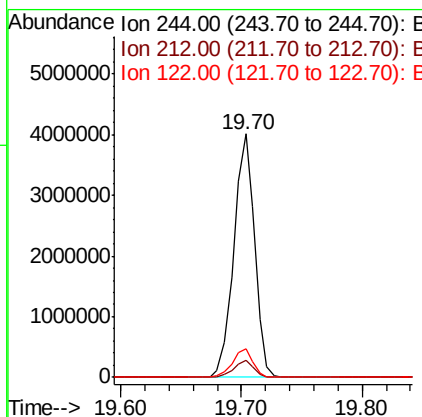
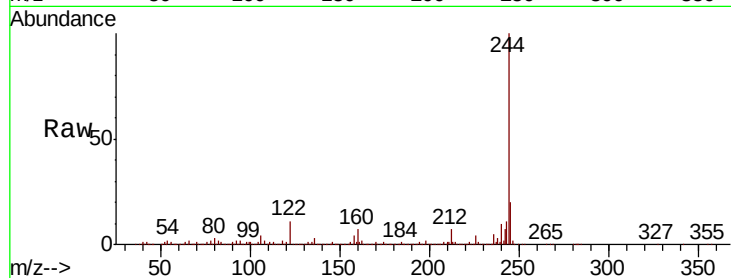
#79
 Terphenyl-d14
 Concen: 71.031 ng
 RT: 19.70 min Scan# 2842
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200052MSD

Tot Ion:244 Resp: 4833480
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.5 9.4 14.2

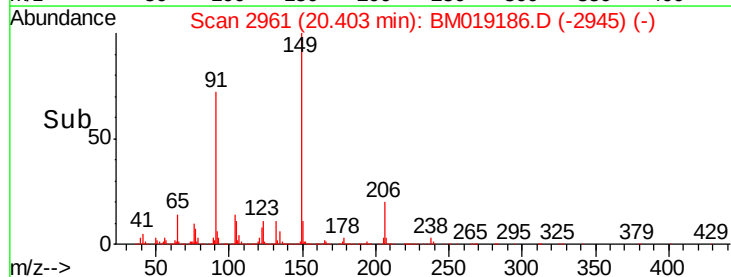
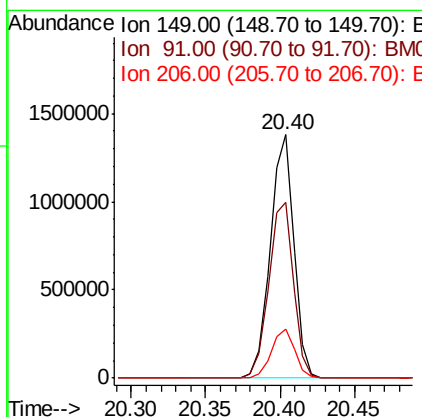
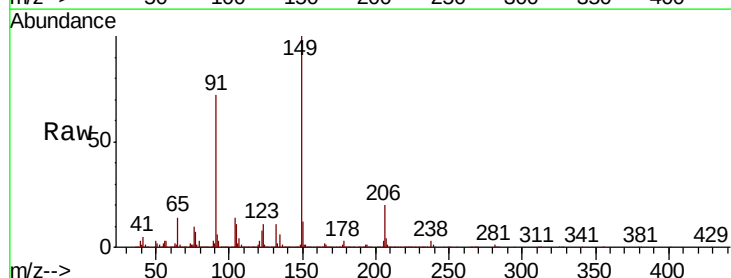
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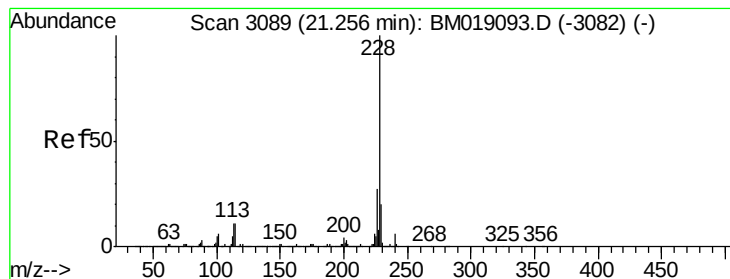
Sohil
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#80
 Butylbenzylphthalate
 Concen: 40.478 ng
 RT: 20.40 min Scan# 2961
 Delta R.T. -0.01 min
 Lab File: BM019186.D
 Acq: 15 Mar 2019 15:00

Tgt Ion:149 Resp: 1506901
 Ion Ratio Lower Upper
 149 100
 91 72.2 60.1 90.1
 206 20.2 16.2 24.2





#81

Benzo(a)anthracene

Concen: 33.966 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion:228 Resp: 2878562

Ion Ratio Lower Upper

228 100

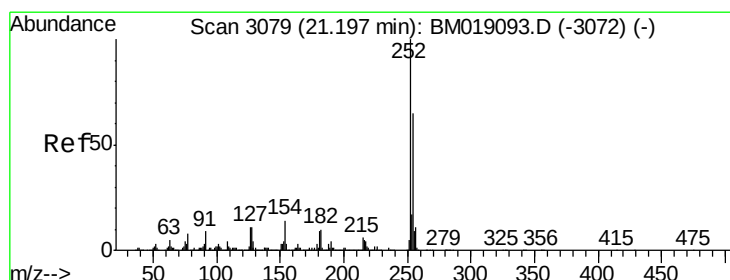
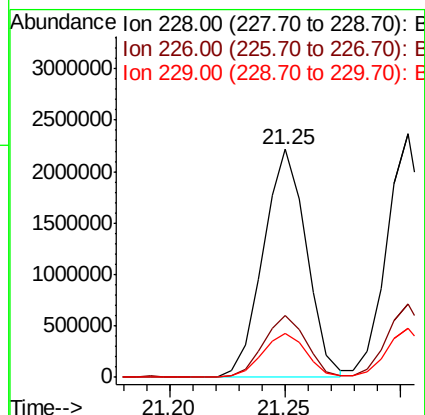
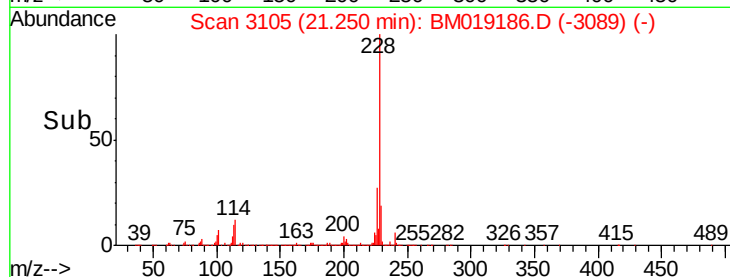
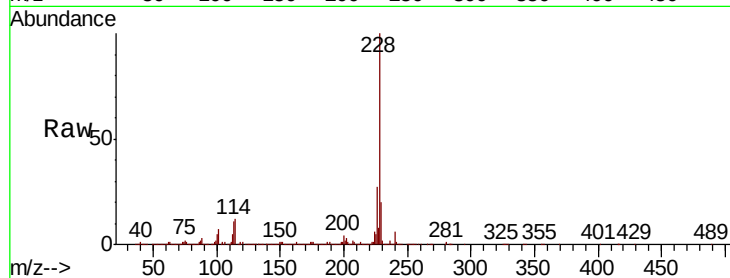
226 27.2 21.8 32.8

229 19.5 15.8 23.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 25.624 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

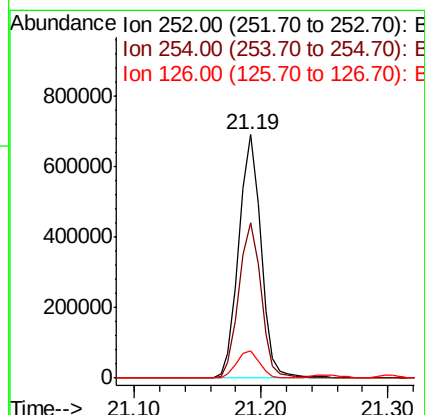
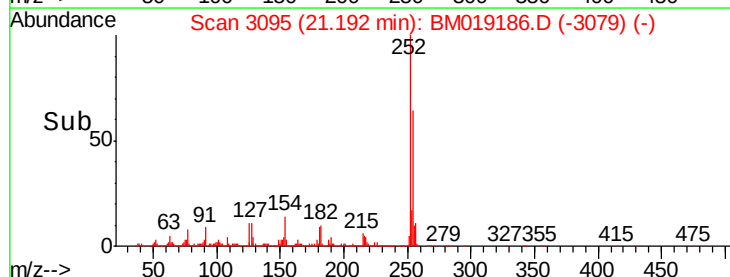
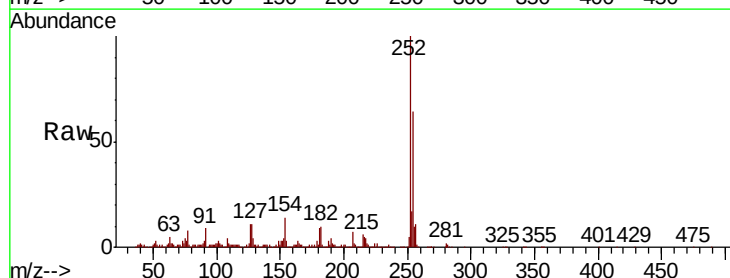
Tgt Ion:252 Resp: 836571

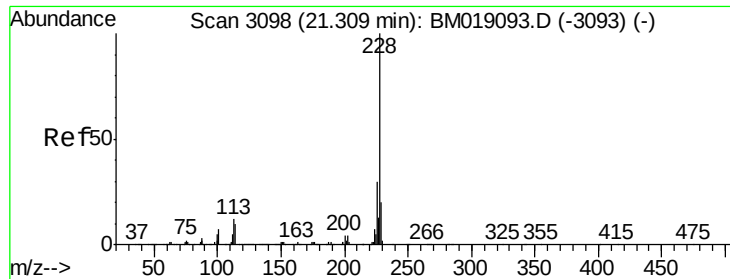
Ion Ratio Lower Upper

252 100

254 63.8 52.4 78.6

126 11.0 9.0 13.6





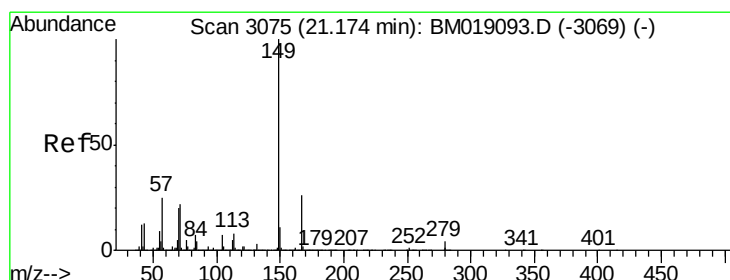
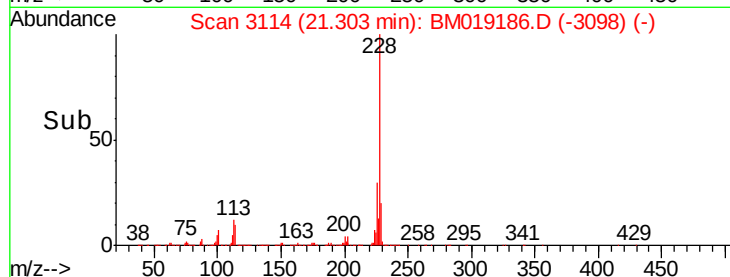
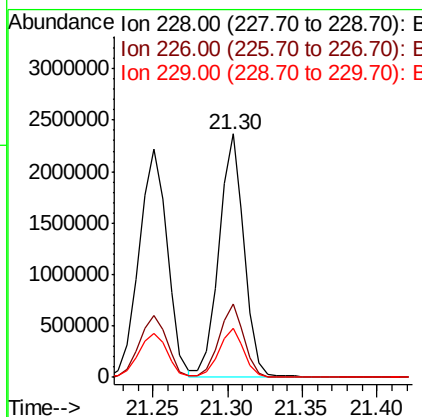
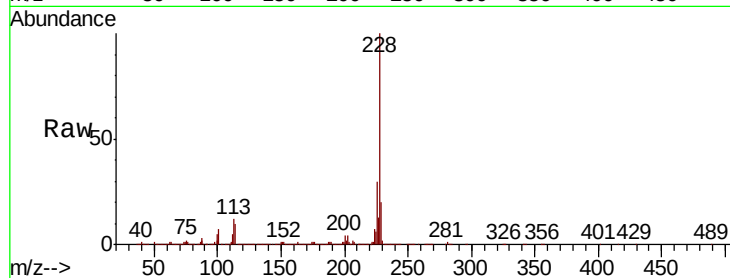
#83
Chrysene
Concen: 34.037 ng
RT: 21.30 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	19.9	15.7	23.5

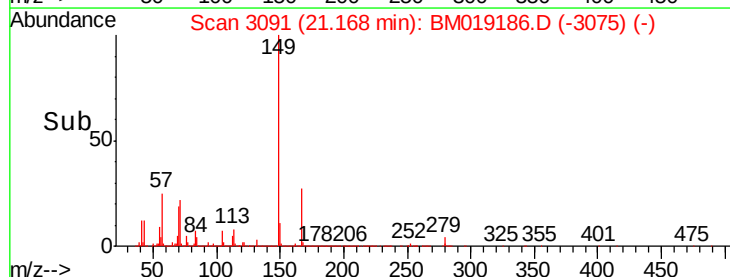
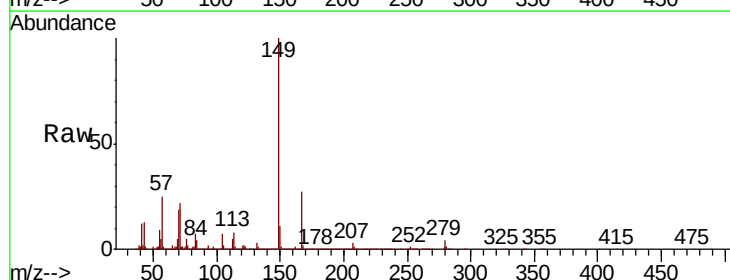
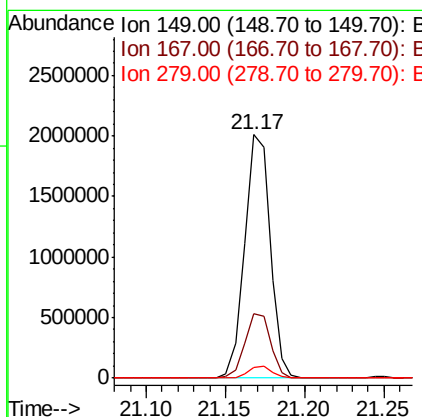
Manual Integrations
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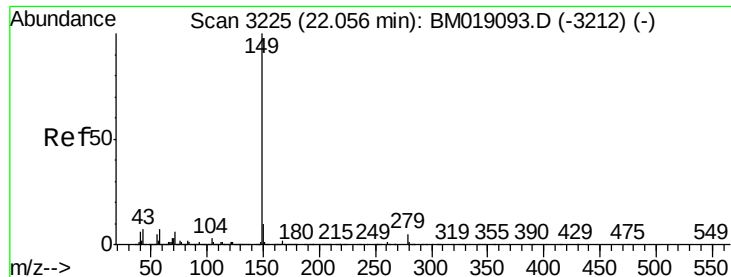
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 41.407 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.1	31.7
279	4.2	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 40.901 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

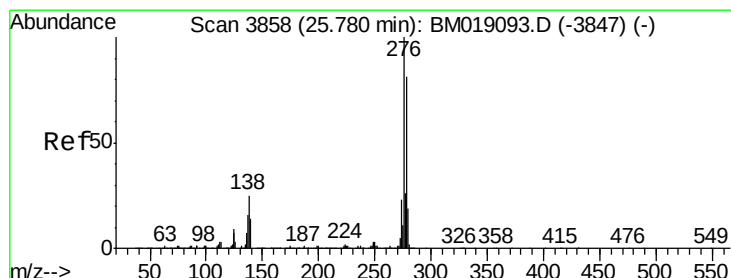
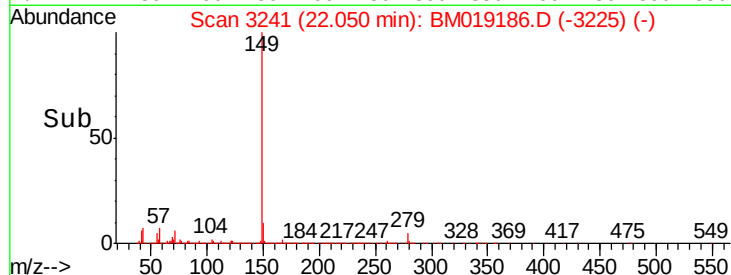
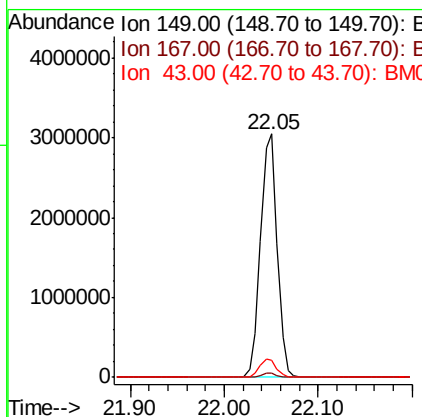
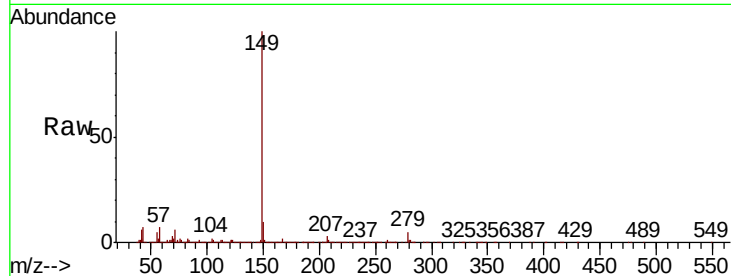
ClientSampleId :

RBR-200052MSD

Tot Ion:	149	Resp:	3730169
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	6.1	9.1

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 30.700 ng

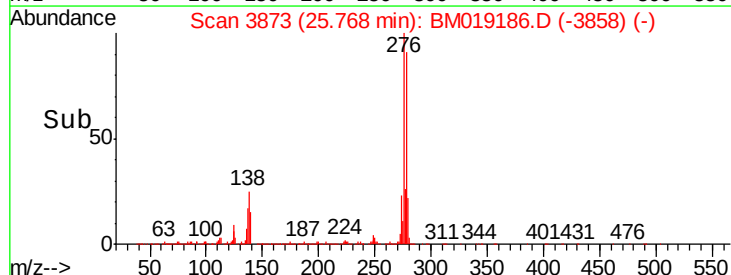
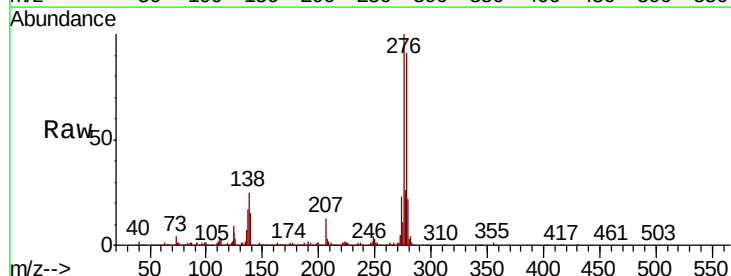
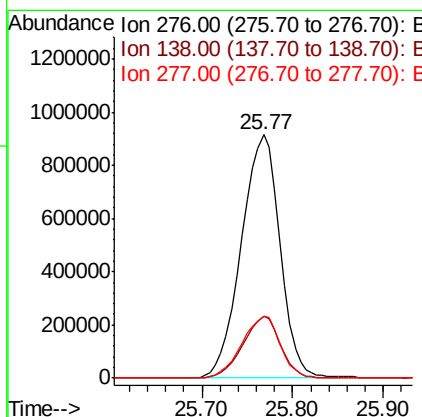
RT: 25.77 min Scan# 3873

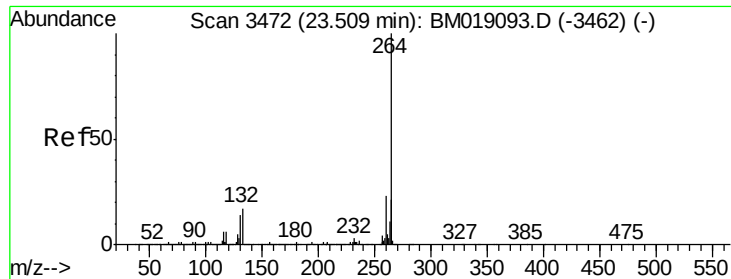
Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion:	276	Resp:	2709593
Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.8	29.8
277	25.3	20.3	30.5





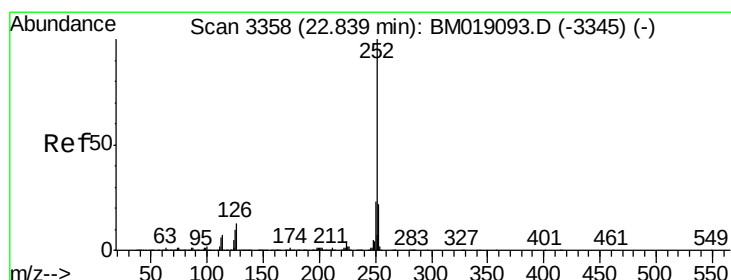
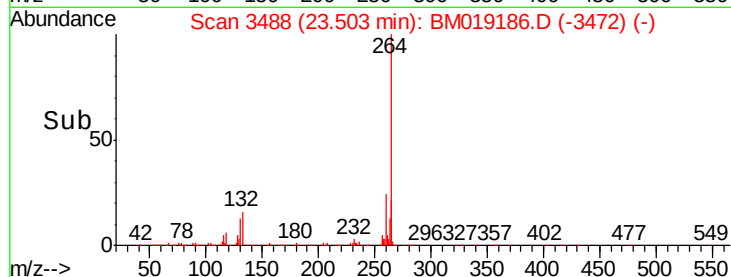
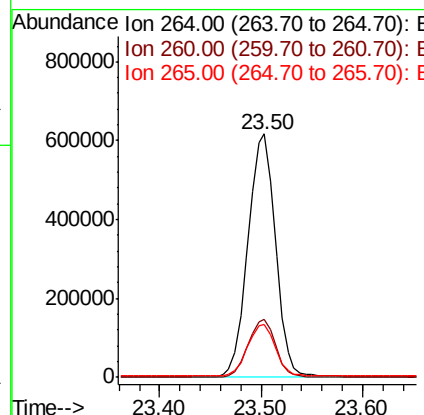
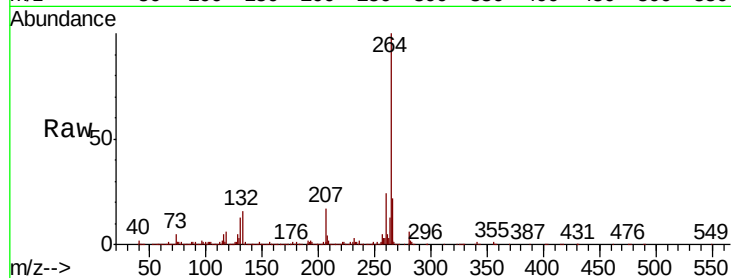
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3488
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.6	17.3	25.9

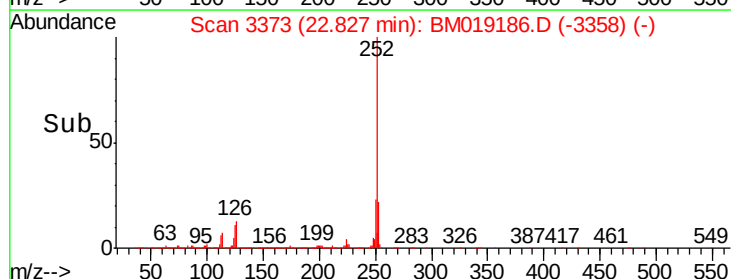
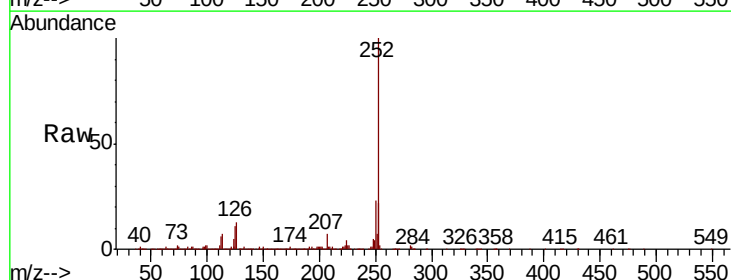
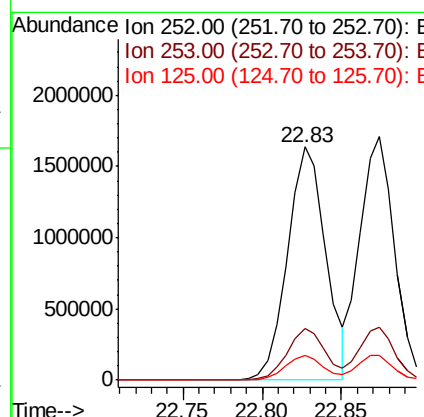
Manual Integrations
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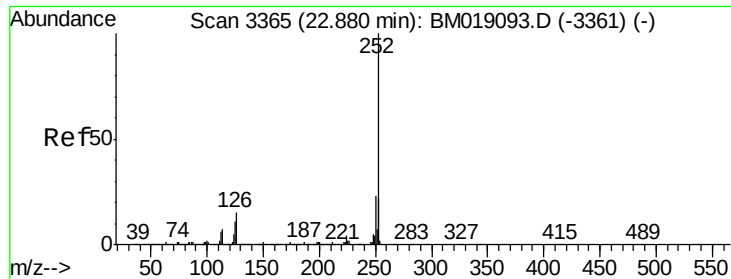
Sohil
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#88
Benzo(b)fluoranthene
Concen: 35.937 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.8	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 37.269 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Instrument :

BNA_M

ClientSampleId :

RBR-200052MSD

Tot Ion:252 Resp: 2605363

Ion Ratio Lower Upper

252 100

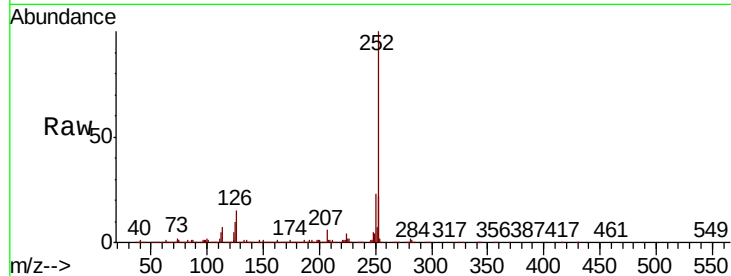
253 22.0 17.6 26.4

125 10.0 8.8 13.2

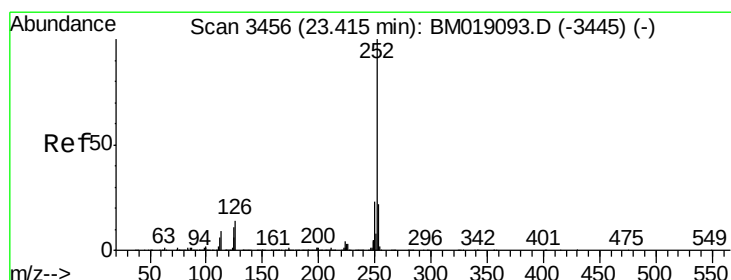
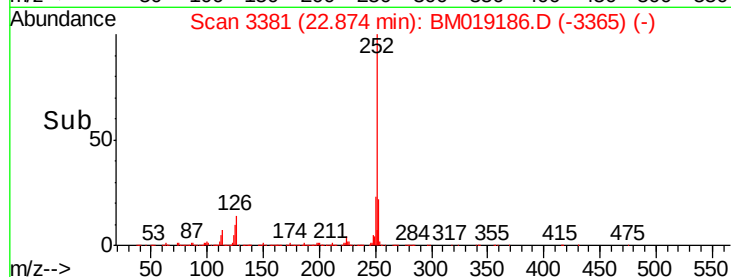
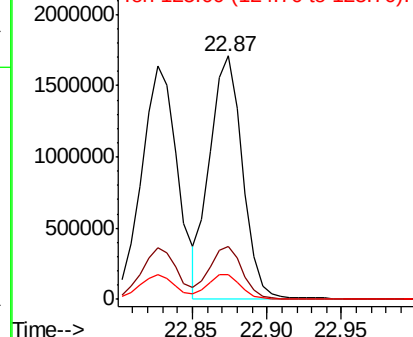
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 36.083 ng

RT: 23.40 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BM019186.D

Acq: 15 Mar 2019 15:00

Tgt Ion:252 Resp: 2464539

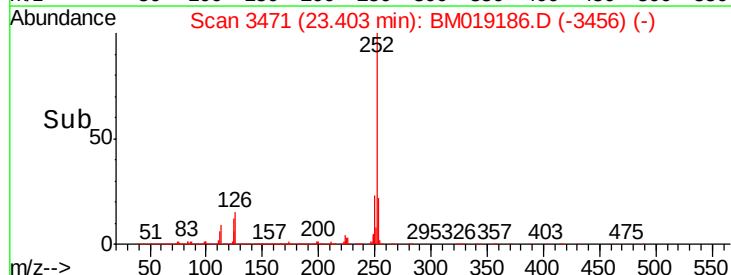
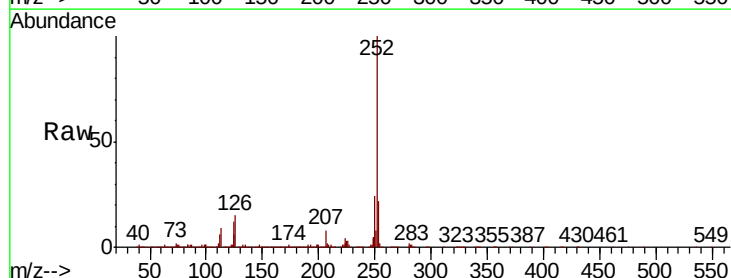
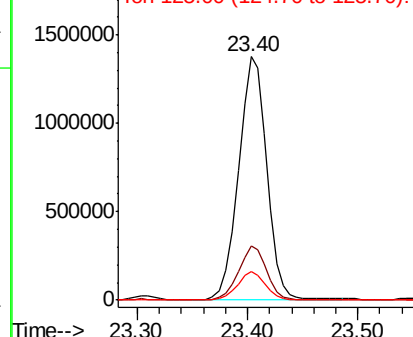
Ion Ratio Lower Upper

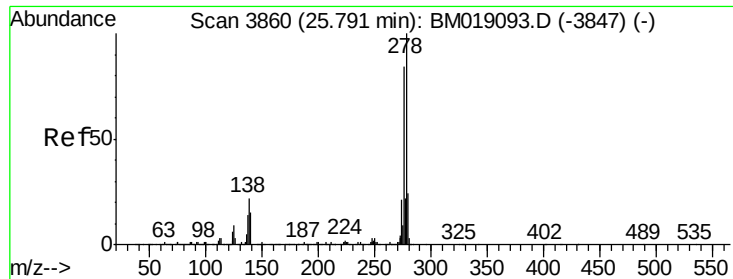
252 100

253 22.2 17.4 26.2

125 11.9 9.2 13.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





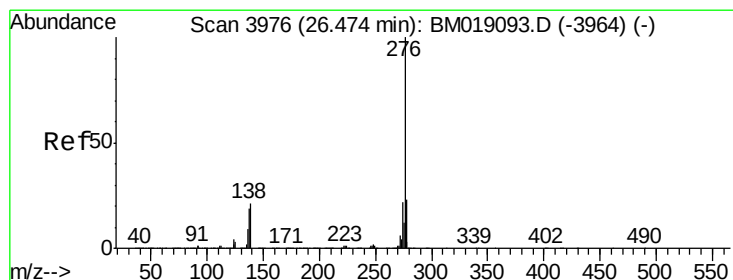
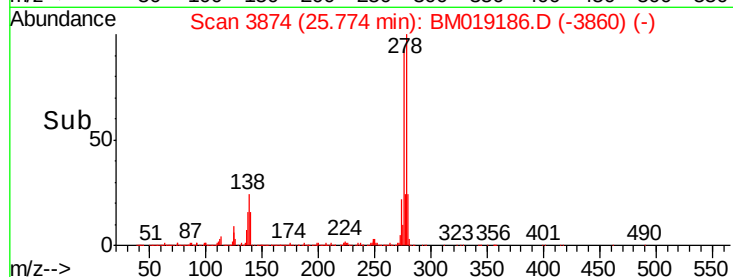
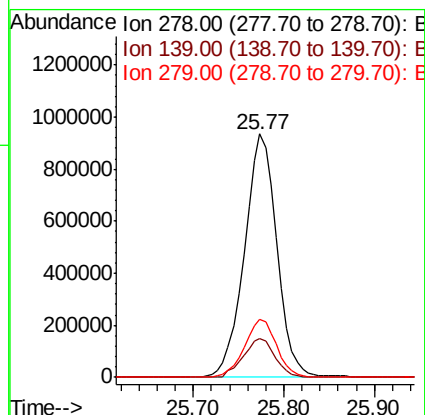
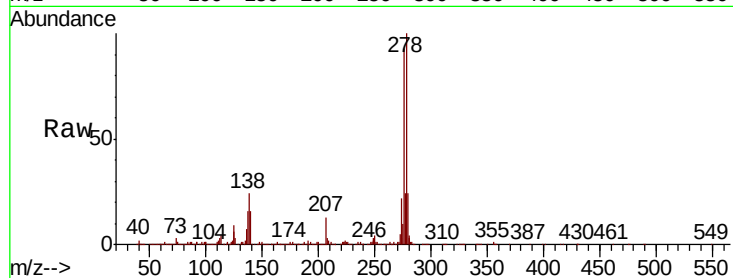
#91
Dibenzo(a,h)anthracene
Concen: 35.398 ng
RT: 25.77 min Scan# 3874
Delta R.T. -0.02 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Instrument :
BNA_M
ClientSampleId :
RBR-200052MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.3	18.5
279	23.6	18.9	28.3

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:27 PM



#92
Benzo(g,h,i)perylene
Concen: 35.967 ng
RT: 26.46 min Scan# 3991
Delta R.T. -0.01 min
Lab File: BM019186.D
Acq: 15 Mar 2019 15:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	20.6	17.0	25.4

