

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031119\
 Data File : BM019099.D
 Acq On : 11 Mar 2019 18:49
 Operator : JU/SJ
 Sample : PB117788BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

Manual Integrations
 APPROVED

Sohil
 3/12/2019 4:45:16 PM

Quant Time: Mar 12 04:35:34 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	7.66	152	51944	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	218233	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	128619	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	304795	20.00	ng	0.00
76) Chrysene-d12	21.27	240	388560	20.00	ng	0.00
87) Perylene-d12	23.51	264	486642	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	274706	85.65	ng	0.00
7) Phenol-d6	6.84	99	383637	81.77	ng	0.00
23) Nitrobenzene-d5	8.83	82	236451	51.22	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	164679	86.72	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	515362	52.12	ng	0.00
79) Terphenyl-d14	19.70	244	933156	47.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.22	88	34411	24.117	ng	94
3) Pyridine	3.63	79	92501	23.829	ng	98
4) n-Nitrosodimethylamine	3.55	42	24442	20.253	ng	# 94
6) Aniline	7.00	93	76024	12.551	ng	97
8) 2-Chlorophenol	7.23	128	97787	25.370	ng	100
9) Benzaldehyde	6.83	77	57981	19.648	ng	97
10) Phenol	6.86	94	129008	25.515	ng	96
11) bis(2-Chloroethyl)ether	7.10	93	88409	22.915	ng	99
12) 1,3-Dichlorobenzene	7.55	146	100611	24.666	ng	100
13) 1,4-Dichlorobenzene	7.70	146	102938	24.753	ng	97
14) 1,2-Dichlorobenzene	8.01	146	100030	24.724	ng	97
15) Benzyl Alcohol	7.92	79	96508	24.855	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.18	45	92605	23.507	ng	97
17) 2-Methylphenol	8.10	107	84891	25.765	ng	99
18) Hexachloroethane	8.72	117	37140	24.035	ng	96
19) n-Nitroso-di-n-propylamine	8.47	70	84074	21.843	ng	98
20) 3+4-Methylphenols	8.43	107	115470	25.819	ng	97
22) Acetophenone	8.49	105	140702	23.330	ng	99
24) Nitrobenzene	8.87	77	118092	24.595	ng	96
25) Isophorone	9.39	82	208859	23.709	ng	99
26) 2-Nitrophenol	9.57	139	47403	23.818	ng	98
27) 2,4-Dimethylphenol	9.63	122	86241	29.147	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	126187	24.191	ng	99
29) 2,4-Dichlorophenol	10.10	162	89293	27.249	ng	96
30) 1,2,4-Trichlorobenzene	10.31	180	97194	26.304	ng	98
31) Naphthalene	10.50	128	291314	25.326	ng	99
32) Benzoic acid	9.72	122	43232m	17.253	ng	
33) 4-Chloroaniline	10.63	127	62489	13.253	ng	97
34) Hexachlorobutadiene	10.76	225	50710	23.915	ng	99
35) Caprolactam	11.45	113	31994m	27.408	ng	
36) 4-Chloro-3-methylphenol	11.75	107	107063	26.479	ng	100
37) 2-Methylnaphthalene	12.12	142	214003	25.603	ng	98
38) 1-Methylnaphthalene	12.34	142	207714	25.212	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	102240	25.129	ng	99

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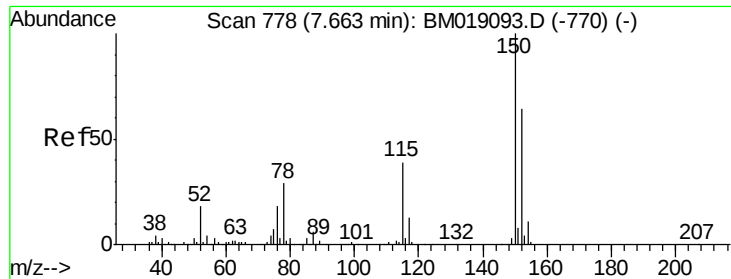
Manual Integrations
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 3/12/2019 4:45:16 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.45	237	93828	50.913	ng	98
43) 2,4,6-Trichlorophenol	12.74	196	74625	28.382	ng	99
44) 2,4,5-Trichlorophenol	12.82	196	79223	28.178	ng	98
46) 1,1'-Biphenyl	13.14	154	281554	25.066	ng	99
47) 2-Chloronaphthalene	13.18	162	216774	25.855	ng	99
48) 2-Nitroaniline	13.41	65	69998	24.894	ng	99
49) Acenaphthylene	14.03	152	359956	25.391	ng	100
50) Dimethylphthalate	13.78	163	296158	26.917	ng	100
51) 2,6-Dinitrotoluene	13.91	165	62436	26.250	ng	99
52) Acenaphthene	14.38	154	209225	25.684	ng	99
53) 3-Nitroaniline	14.25	138	43058	17.093	ng	98
54) 2,4-Dinitrophenol	14.46	184	47768	34.582	ng	98
55) Dibenzofuran	14.72	168	345861	26.327	ng	99
56) 4-Nitrophenol	14.56	139	106425	51.744	ng	98
57) 2,4-Dinitrotoluene	14.70	165	85230	24.686	ng	99
58) Fluorene	15.37	166	279866	25.845	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.95	232	78625	30.039	ng	99
60) Diethylphthalate	15.14	149	304705	27.344	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	137267	26.100	ng	99
62) 4-Nitroaniline	15.42	138	56823	22.383	ng	95
63) Azobenzene	15.66	77	305674	26.068	ng	99
65) 4,6-Dinitro-2-methylphenol	15.46	198	35786	17.917	ng	94
66) n-Nitrosodiphenylamine	15.59	169	254357	26.213	ng	100
67) 4-Bromophenyl-phenylether	16.26	248	83332	24.793	ng	98
68) Hexachlorobenzene	16.36	284	101956	25.514	ng	97
69) Atrazine	16.54	200	89360	27.357	ng	99
70) Pentachlorophenol	16.72	266	128253	53.271	ng	97
71) Phenanthrene	17.11	178	464148	25.981	ng	98
72) Anthracene	17.20	178	463726	26.515	ng	99
73) Carbazole	17.49	167	449943	27.258	ng	99
74) Di-n-butylphthalate	18.04	149	560056	28.058	ng	98
75) Fluoranthene	19.13	202	564361	27.530	ng	100
77) Benzidine	19.34	184	333292	30.245	ng	98
78) Pyrene	19.50	202	588279	23.929	ng	100
80) Butylbenzylphthalate	20.40	149	286570	26.762	ng	94
81) Benzo(a)anthracene	21.26	228	620848	25.469	ng	99
82) 3,3'-Dichlorobenzidine	21.20	252	137240	14.614	ng	97
83) Chrysene	21.31	228	623887	26.455	ng	98
84) Bis(2-ethylhexyl)phthalate	21.17	149	430388	27.627	ng	99
85) Di-n-octyl phthalate	22.06	149	787510	30.021	ng	# 87
86) Indeno(1,2,3-cd)pyrene	25.77	276	1028888	40.529	ng	100
88) Benzo(b)fluoranthene	22.83	252	758837	24.065	ng	100
89) Benzo(k)fluoranthene	22.88	252	731556	25.223	ng	99
90) Benzo(a)pyrene	23.41	252	747884	26.392	ng	99
91) Dibenzo(a,h)anthracene	25.79	278	882306	32.548	ng	100
92) Benzo(g,h,i)perylene	26.47	276	866612	34.821	ng	98

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



#1

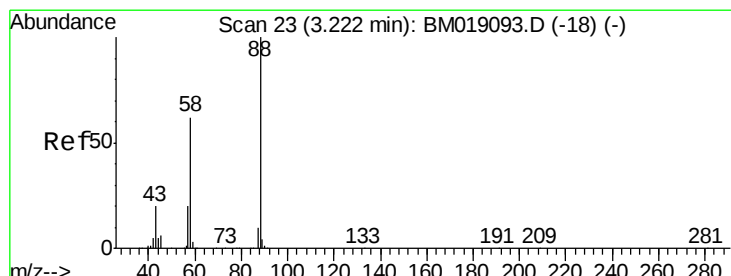
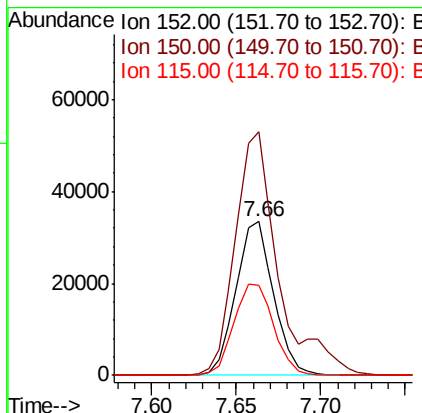
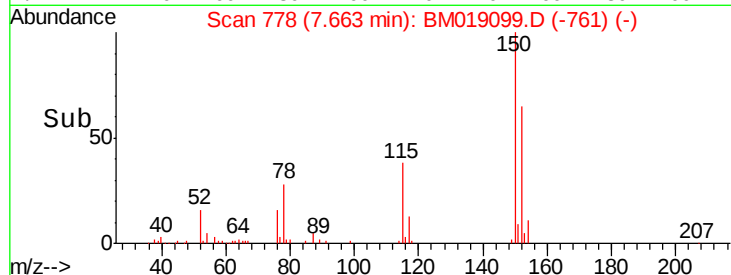
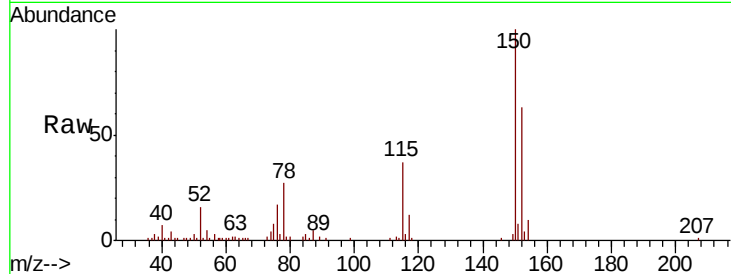
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.3	187.9
115	59.0	49.4	74.0

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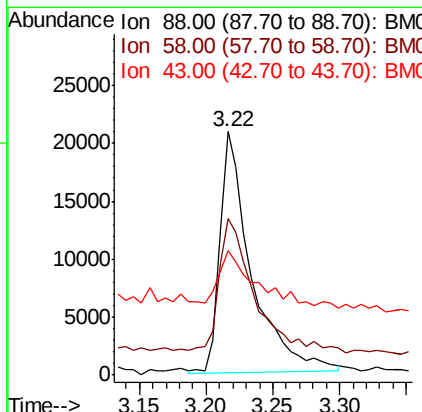
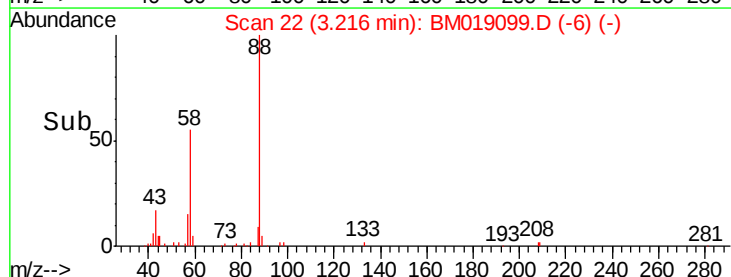
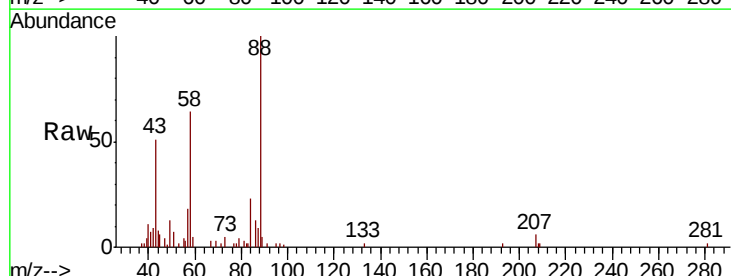
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#2

1,4-Dioxane
Concen: 24.117 ng
RT: 3.22 min Scan# 22
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.1	50.0	75.0
43	25.3	17.0	25.4





#3

Pvridine

Concen: 23.829 ng

RT: 3.63 min Scan# 93

Delta R.T. 0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

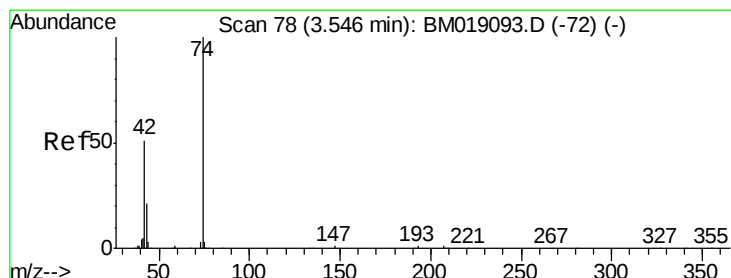
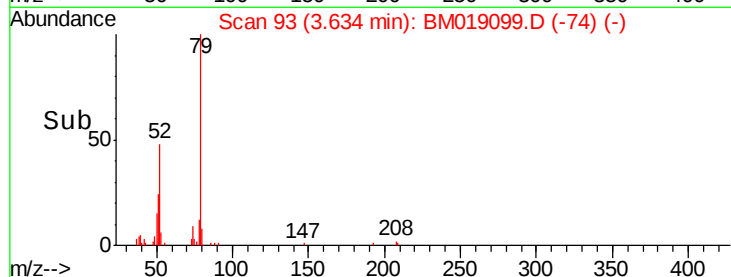
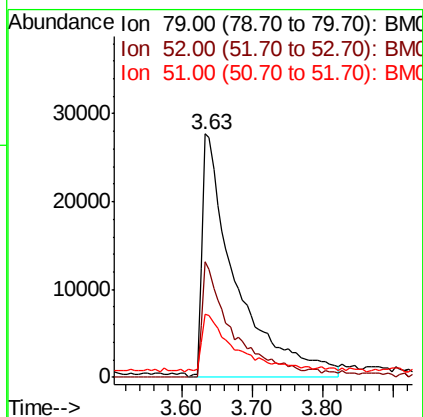
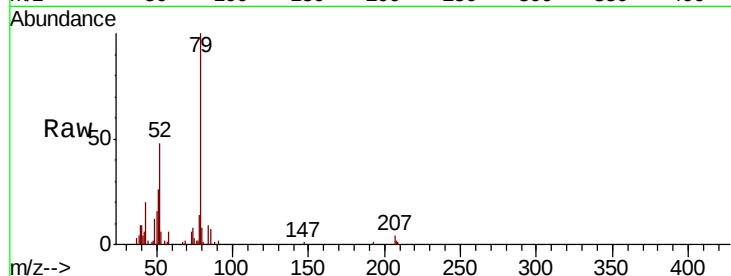
ClientSampleId :

PB117788BS

Tot Ion:	79	Resp:	92501
Ion Ratio	Lower	Upper	
79	100		
52	47.7	37.5	56.3
51	26.2	19.2	28.8

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#4

n-Nitrosodimethylamine

Concen: 20.253 ng

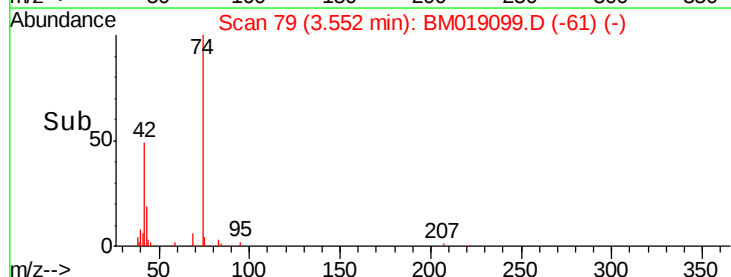
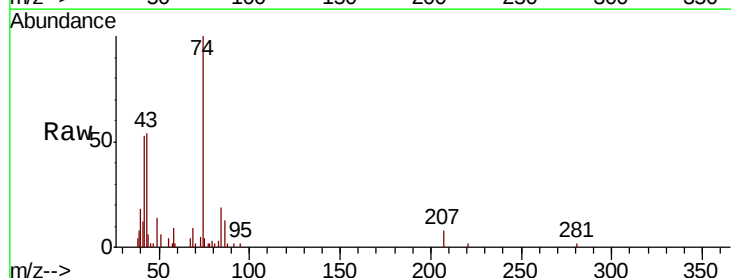
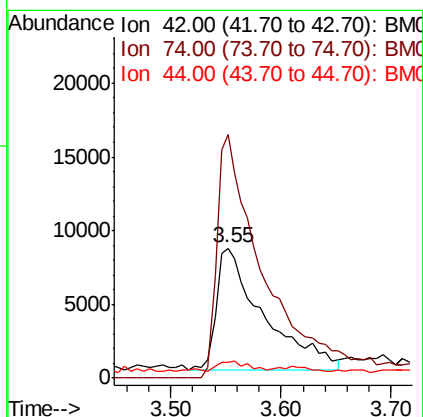
RT: 3.55 min Scan# 79

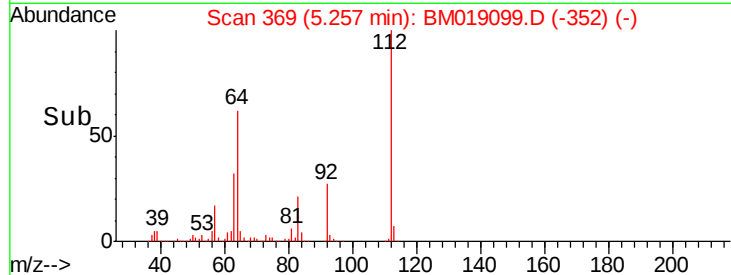
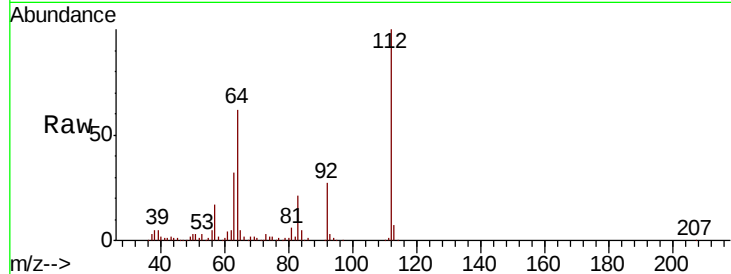
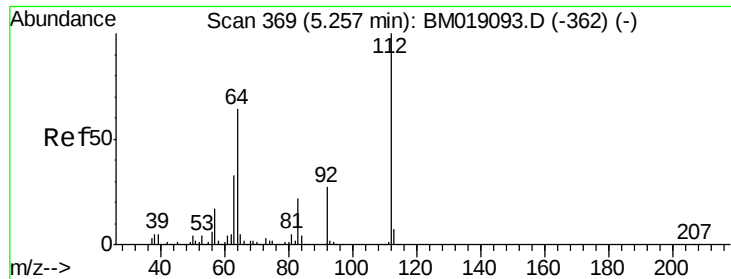
Delta R.T. 0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	42	Resp:	24442
Ion Ratio	Lower	Upper	
42	100		
74	187.1	156.3	234.5
44	12.0	4.6	7.0#





#5

2-Fluorophenol

Concen: 85.646 ng

RT: 5.26 min Scan# 369

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		274706		
64	62.3	51.4	77.0		
63	32.0	26.6	40.0		

Instrument :

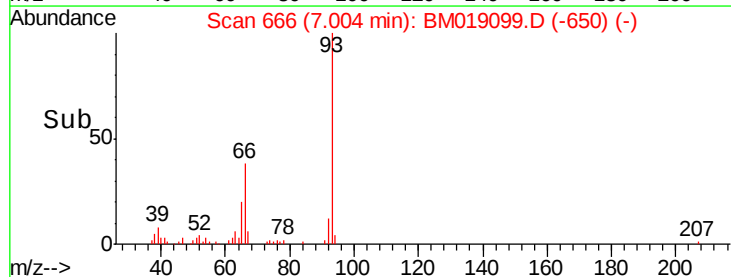
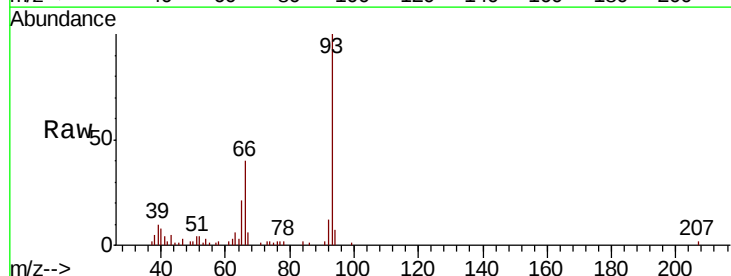
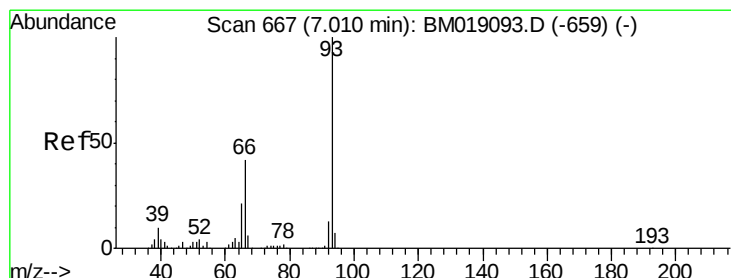
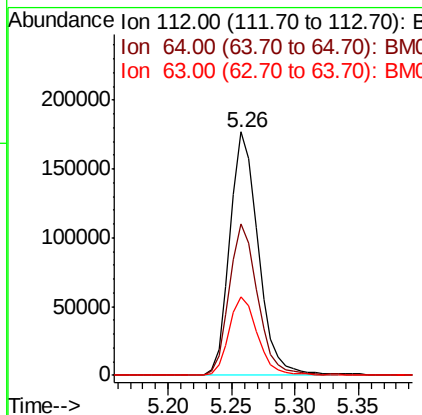
BNA_M

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#6

Aniline

Concen: 12.551 ng

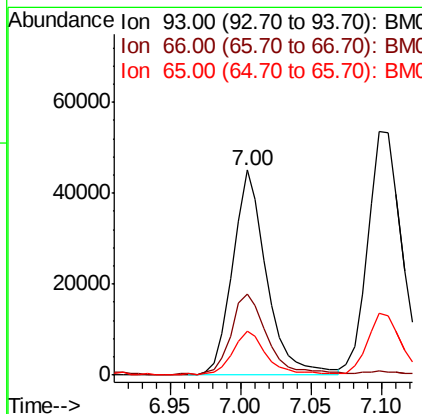
RT: 7.00 min Scan# 666

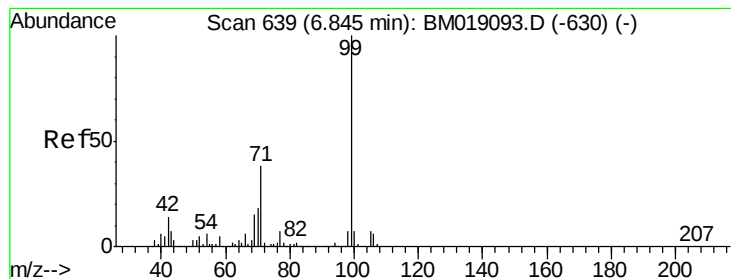
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		76024		
66	39.5	33.4	50.2		
65	21.2	16.8	25.2		





#7

Phenol-d6

Concen: 81.772 ng

RT: 6.84 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

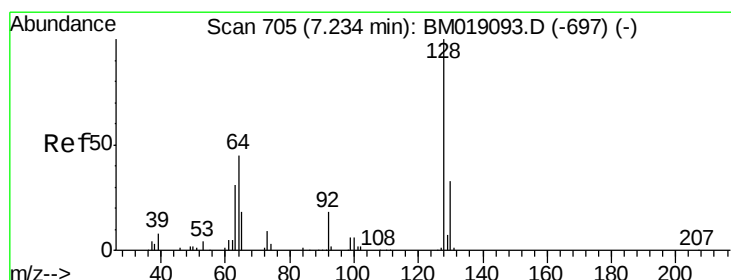
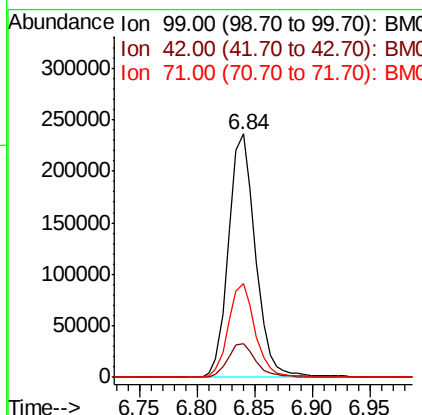
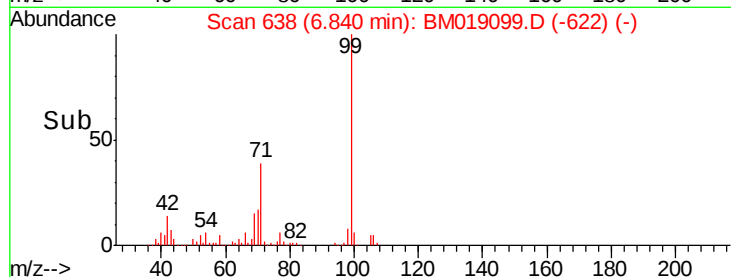
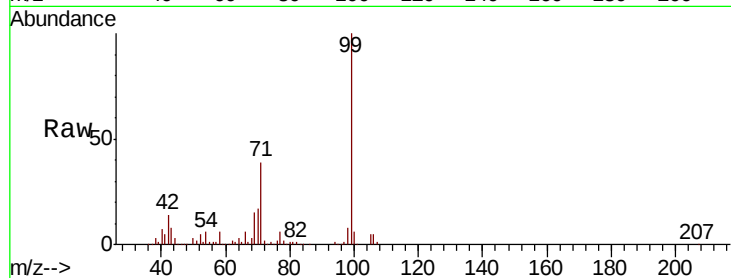
ClientSampleId :

PB117788BS

Tot Ion:	99	Resp:	383637
Ion Ratio	Lower	Upper	
99	100		
42	14.1	10.9	16.3
71	38.5	30.3	45.5

Manual Integrations
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#8

2-Chlorophenol

Concen: 25.370 ng

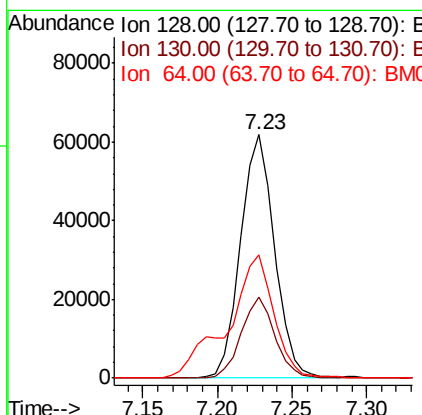
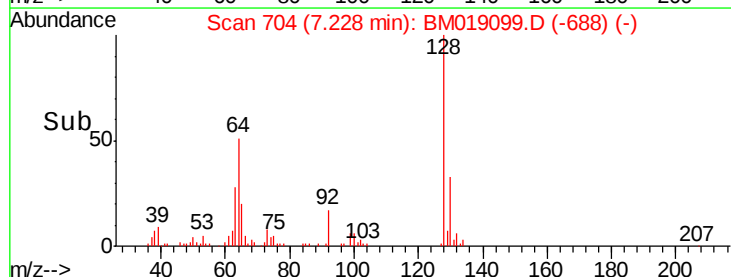
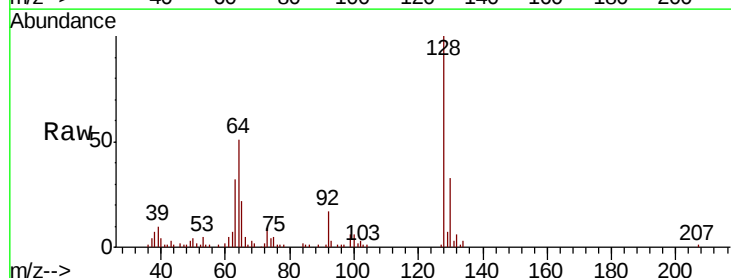
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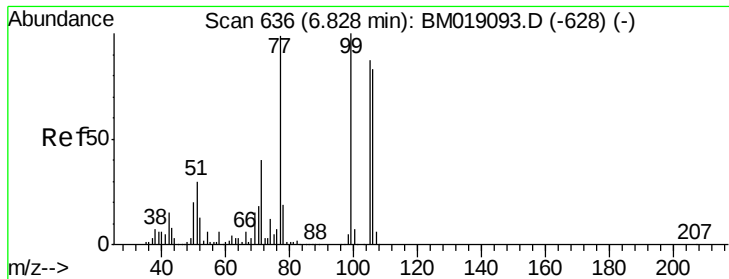
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	128	Resp:	97787
Ion Ratio	Lower	Upper	
128	100		
130	33.2	12.8	52.8
64	50.7	30.8	70.8





#9

Benzaldehyde

Concen: 19.648 ng

RT: 6.83 min Scan# 636

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

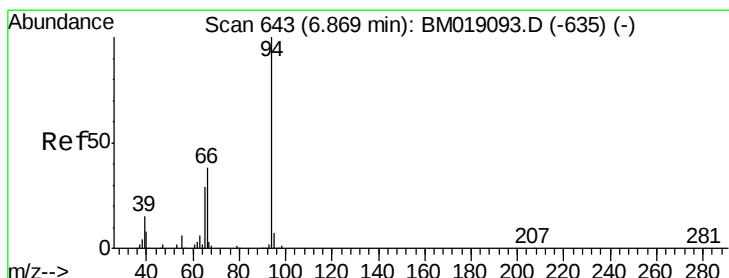
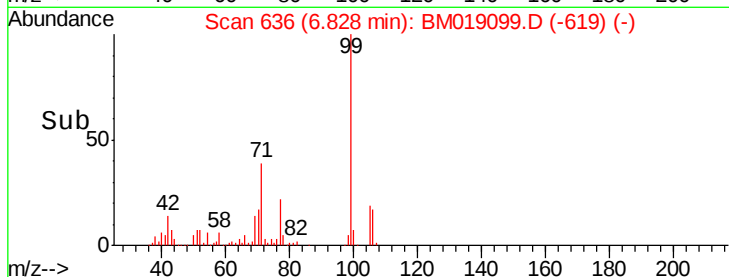
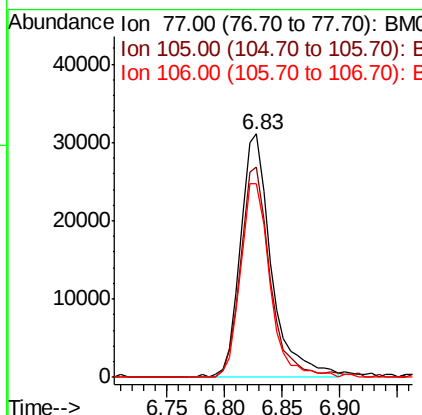
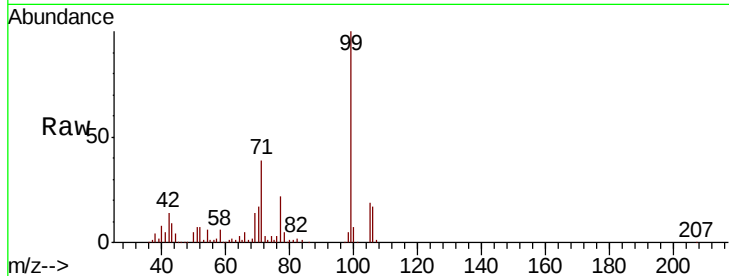
ClientSampleId :

PB117788BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	86.6	67.7	107.7
106	79.7	64.1	104.1

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#10

Phenol

Concen: 25.515 ng

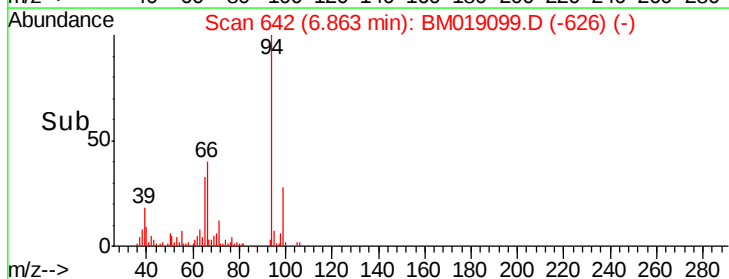
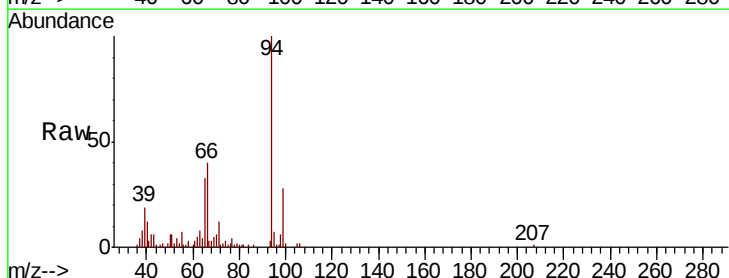
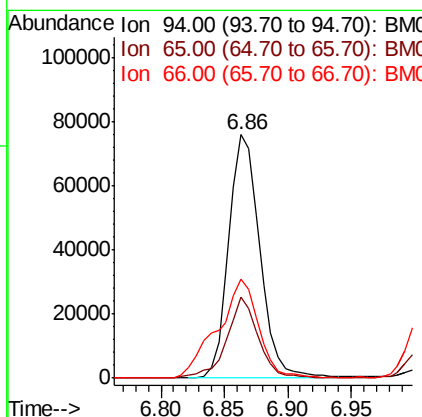
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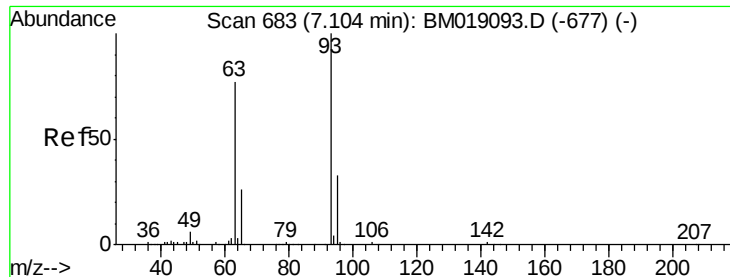
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.3	9.7	49.7
66	40.4	19.2	59.2





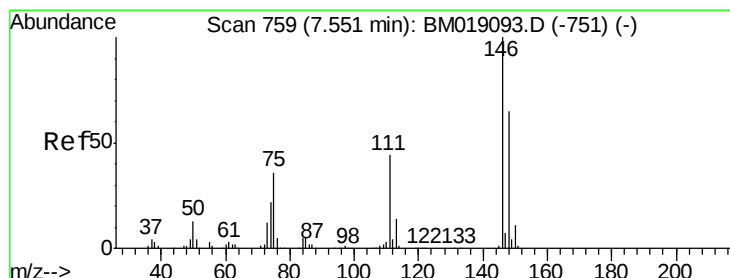
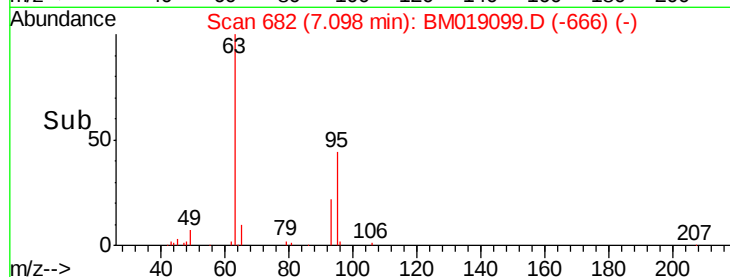
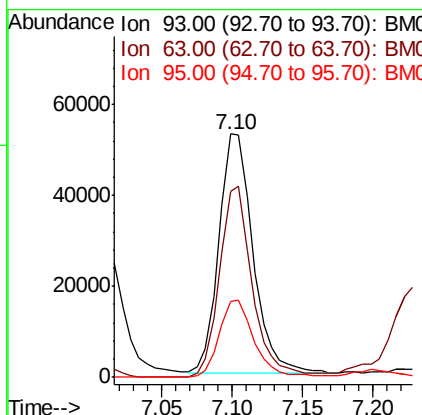
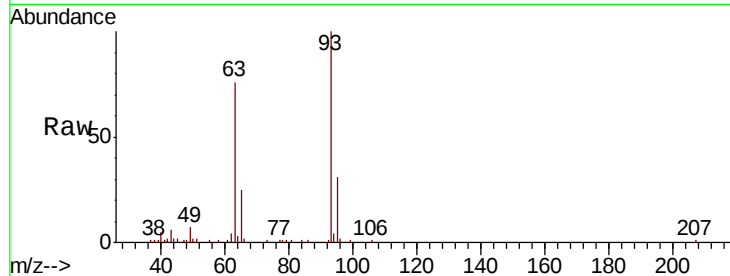
#11
bis(2-Chloroethyl)ether
Concen: 22.915 ng
RT: 7.10 min Scan# 682
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.3	56.6	96.6
95	31.3	13.0	53.0

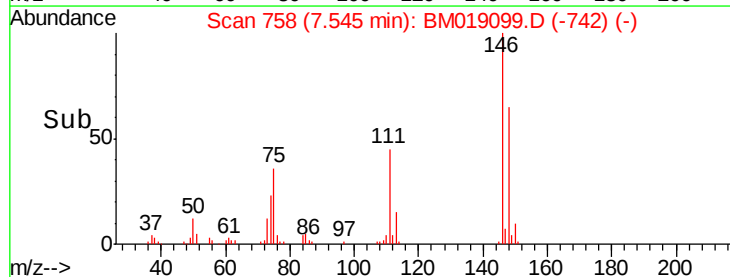
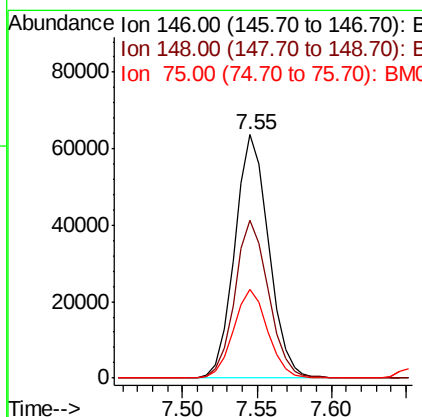
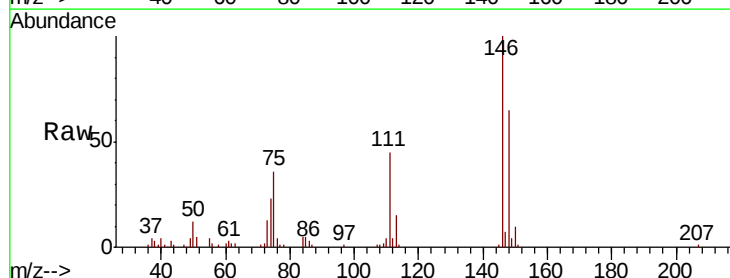
Manual Integrations
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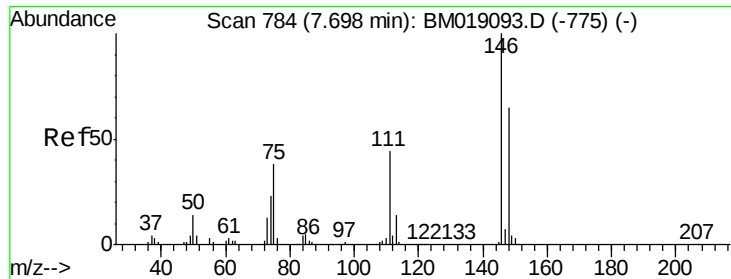
Sohil
3/12/2019 4:45:16 PM



#12
1,3-Dichlorobenzene
Concen: 24.666 ng
RT: 7.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.7	77.5
75	36.3	29.1	43.7





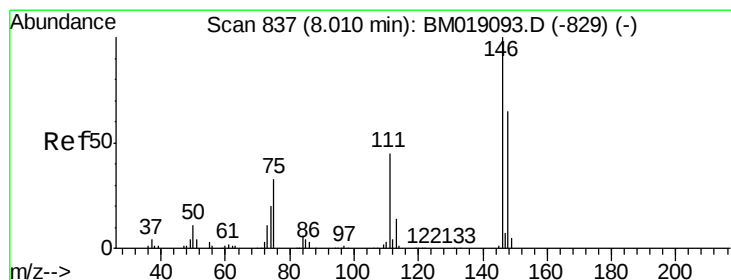
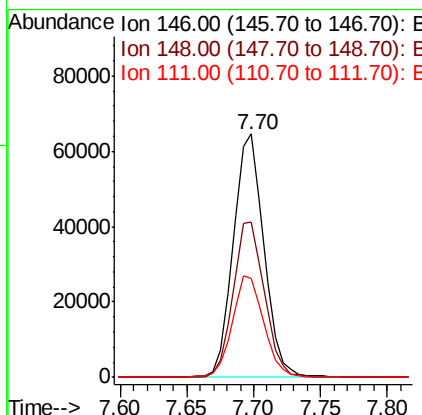
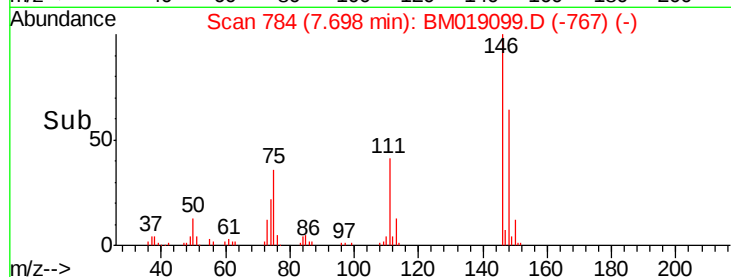
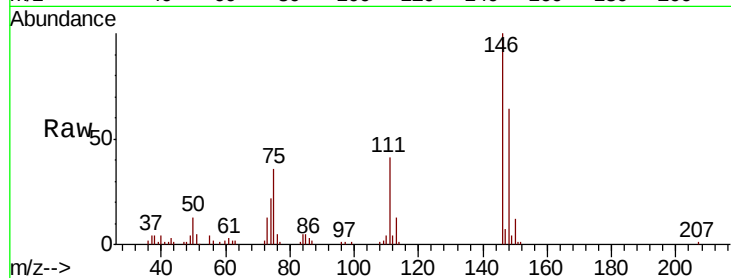
#13
 1,4-Dichlorobenzene
 Concen: 24.753 ng
 RT: 7.70 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
111	40.8	35.4	53.0

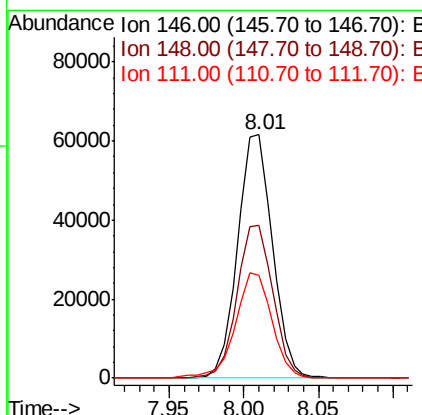
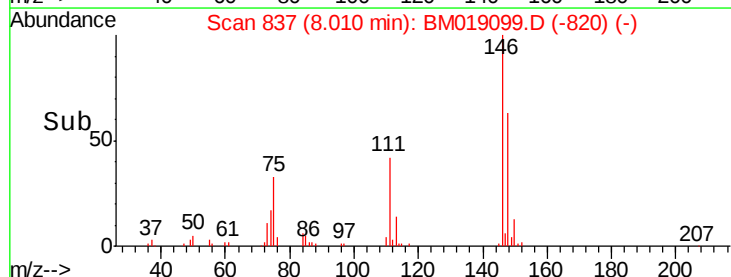
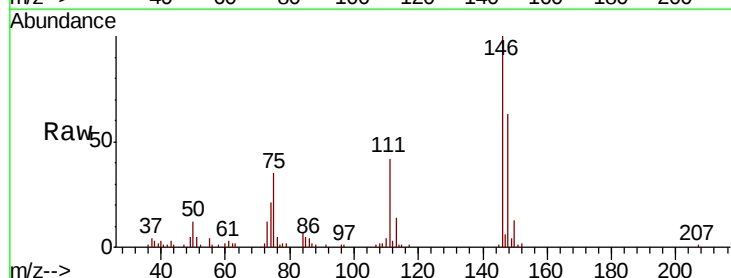
Manual Integrations
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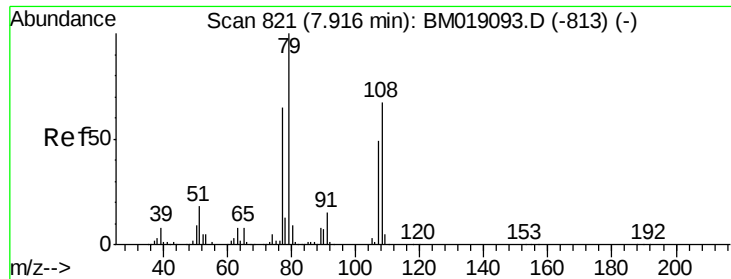
Sohil
 3/12/2019 4:45:16 PM



#14
 1,2-Dichlorobenzene
 Concen: 24.724 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.8	77.6
111	42.4	36.2	54.4





#15

Benzyl Alcohol

Concen: 24.855 ng

RT: 7.92 min Scan# 821

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

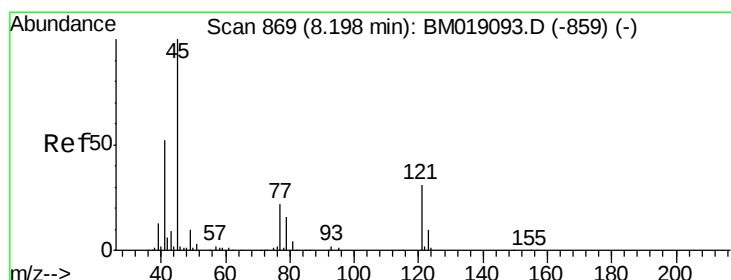
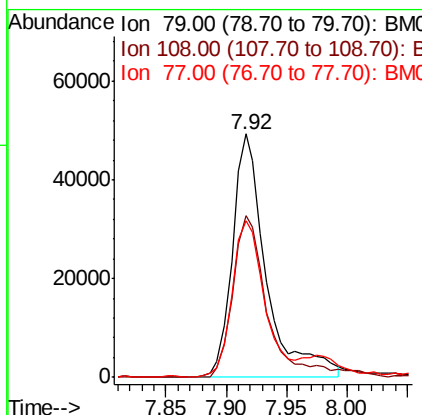
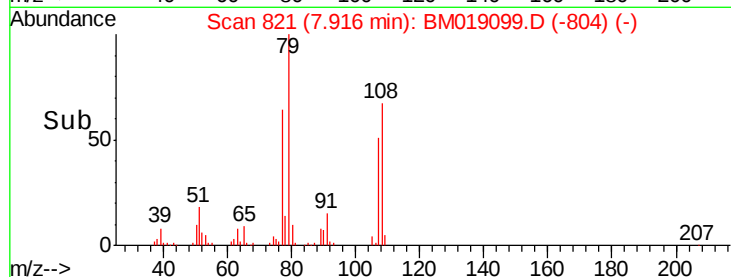
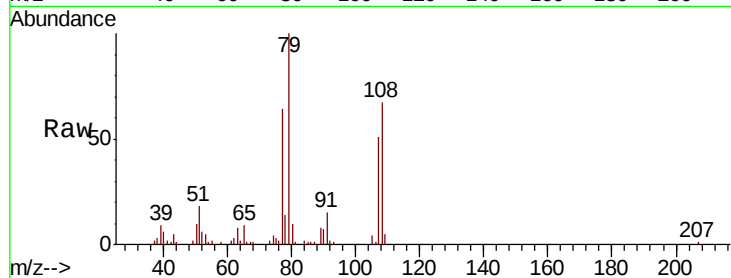
ClientSampleId :

PB117788BS

Tot Ion:	79	Resp:	96508
Ion Ratio	Lower	Upper	
79	100		
108	66.6	53.7	80.5
77	64.4	51.8	77.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 23.507 ng

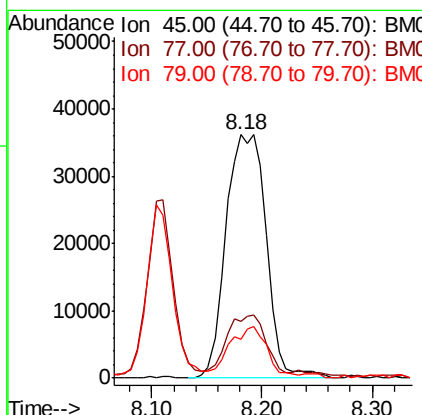
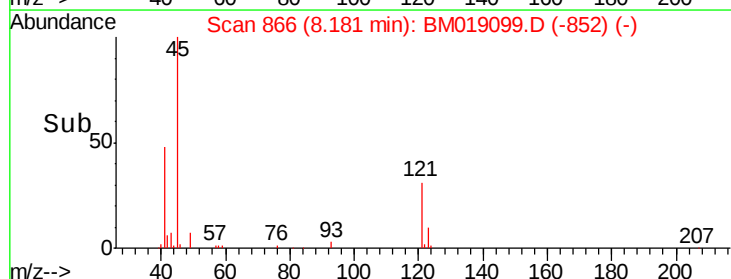
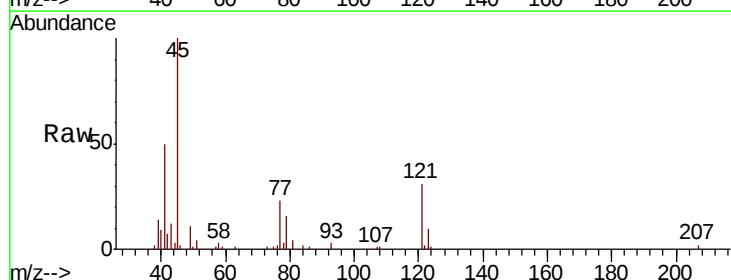
RT: 8.18 min Scan# 866

Delta R.T. -0.02 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	45	Resp:	92605
Ion Ratio	Lower	Upper	
45	100		
77	23.3	4.1	44.1
79	15.8	0.0	38.1





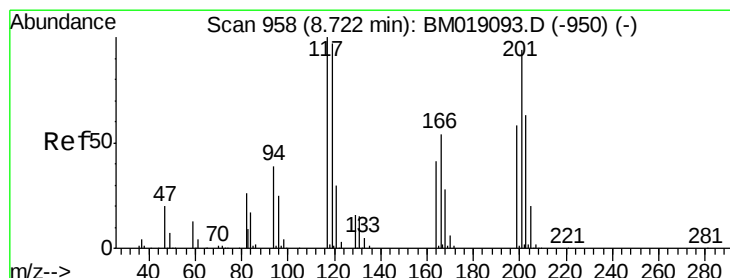
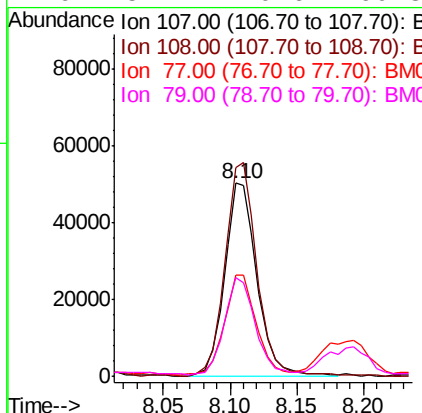
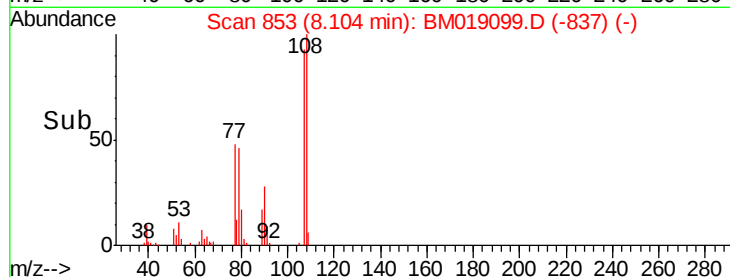
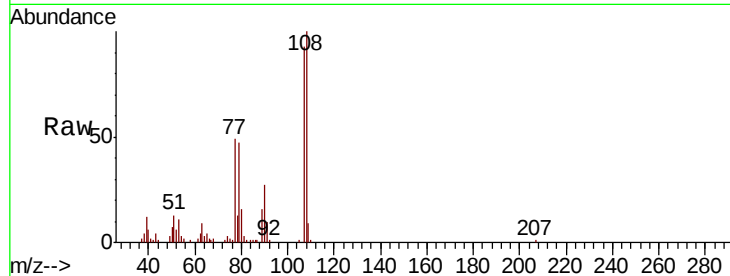
#17
2-Methylphenol
Concen: 25.765 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion:	107	Resp:	84891
Ion	Ratio	Lower	Upper
107	100		
108	107.8	87.4	131.2
77	52.3	41.6	62.4
79	51.2	40.6	60.8

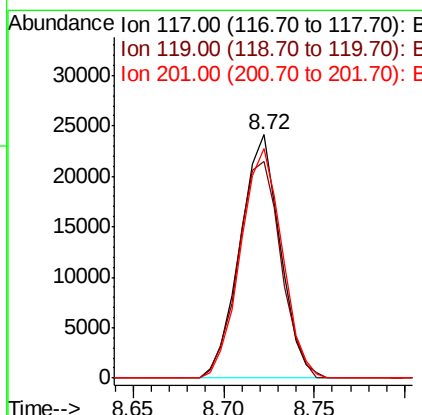
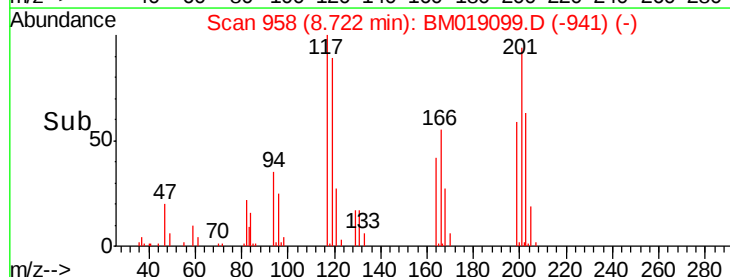
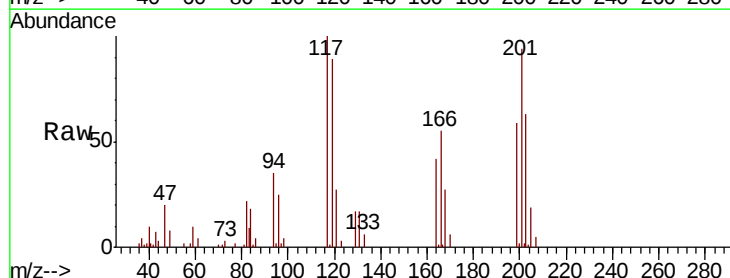
Manual Integrations
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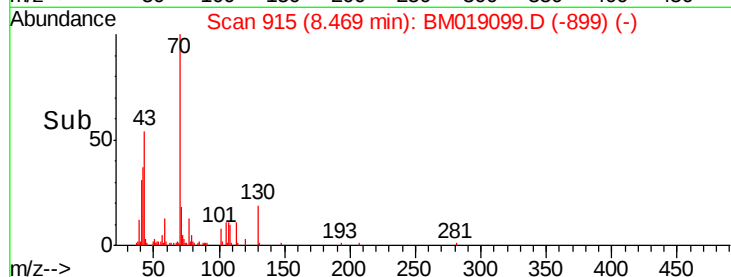
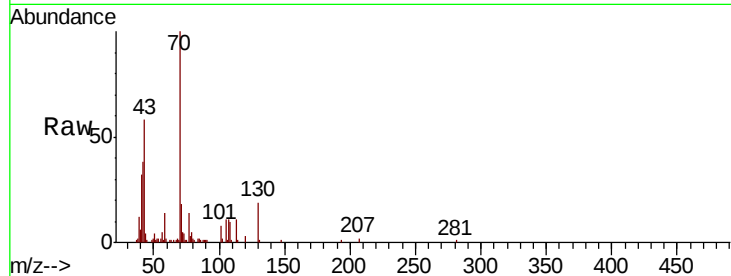
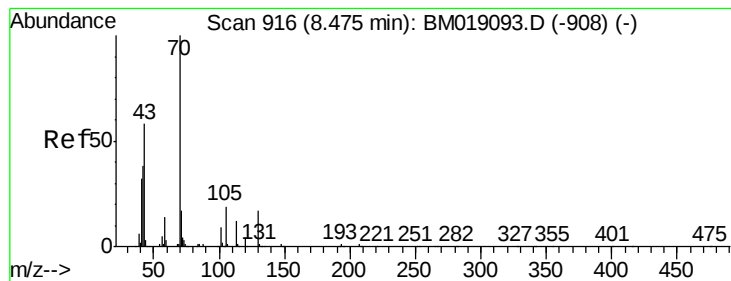
Sohil
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#18
Hexachloroethane
Concen: 24.035 ng
RT: 8.72 min Scan# 958
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion:	117	Resp:	37140
Ion	Ratio	Lower	Upper
117	100		
119	88.9	77.4	116.2
201	94.4	75.2	112.8





#19

n-Nitroso-di-n-propylamine

Concen: 21.843 ng

RT: 8.47 min Scan# 915

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

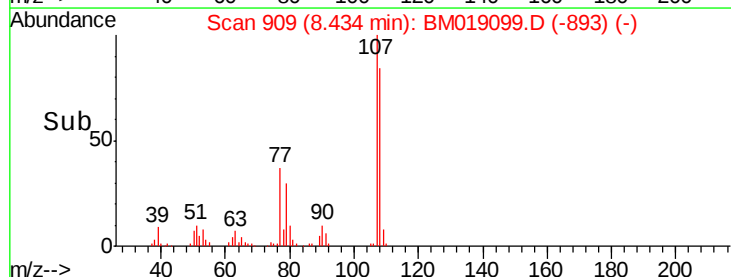
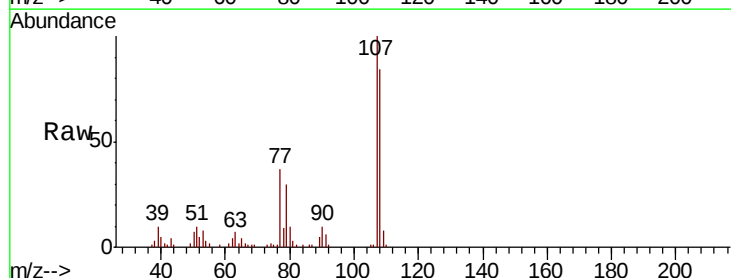
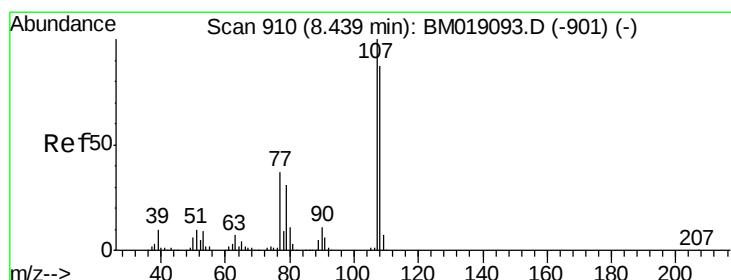
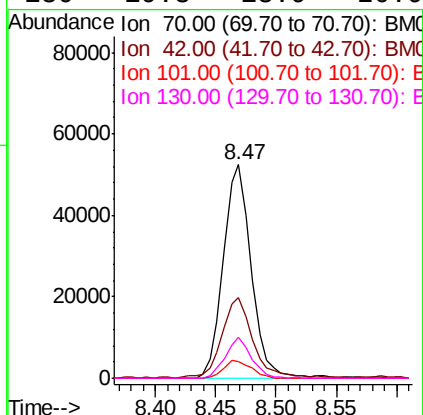
ClientSampleId :

PB117788BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	37.7	30.6	45.8	
101	8.0	6.8	10.2	
130	19.3	13.9	20.9	

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#20

3+4-Methylphenols

Concen: 25.819 ng

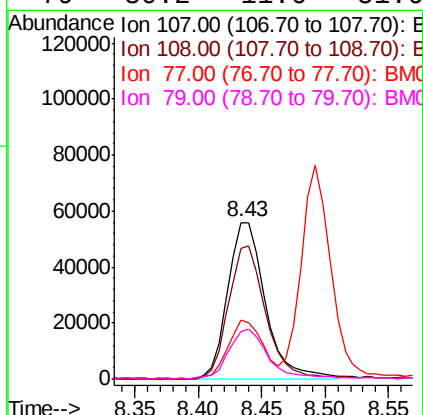
RT: 8.43 min Scan# 909

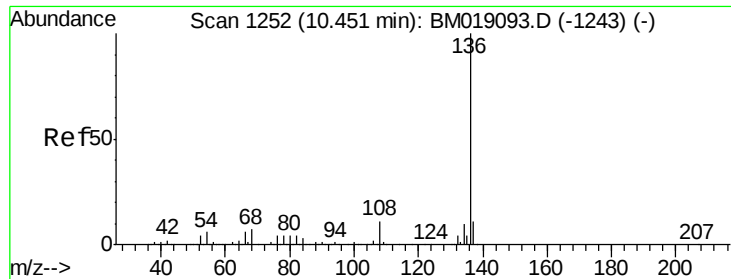
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	83.5	67.0	107.0	
77	37.4	17.3	57.3	
79	30.2	11.6	51.6	





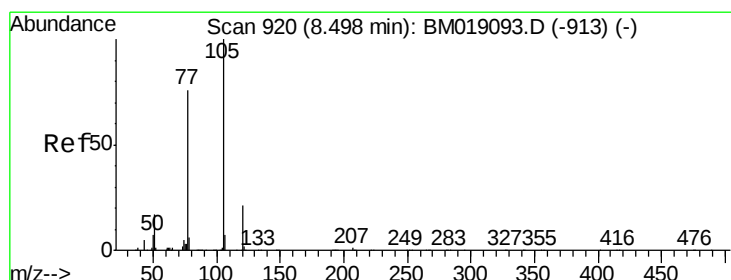
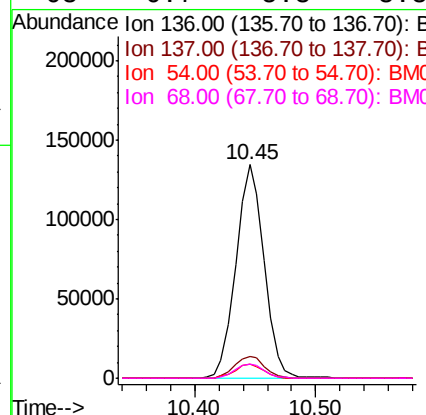
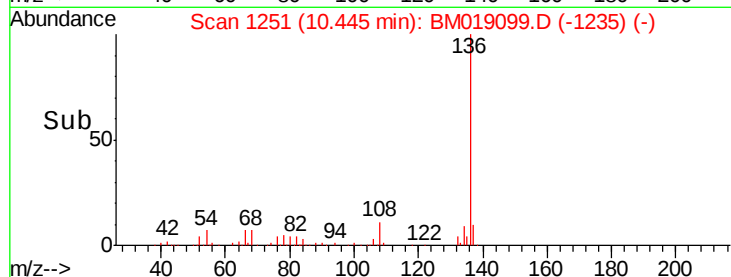
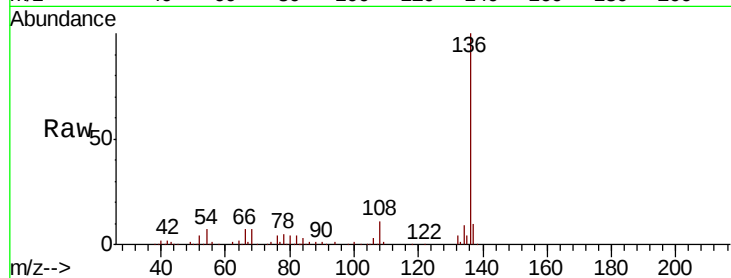
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	218233		
137	10.2	8.6	13.0	
54	6.8	5.2	7.8	
68	6.7	5.8	8.8	

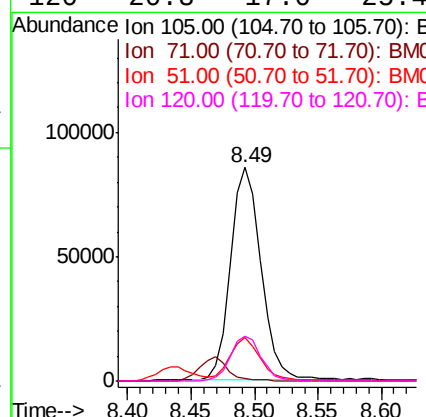
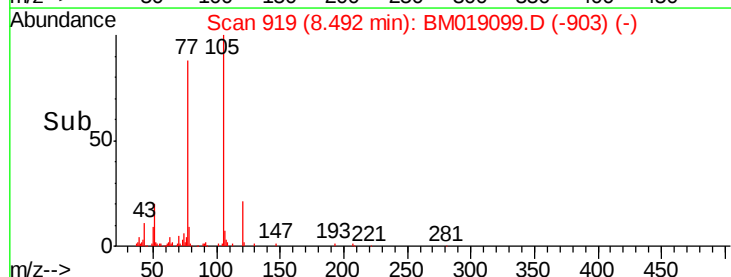
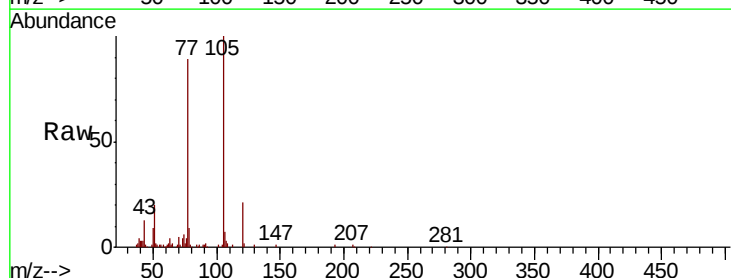
Manual Integrations
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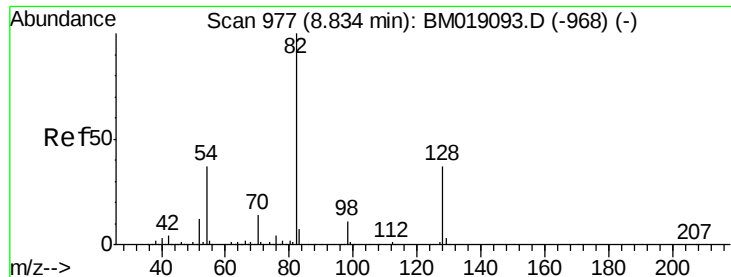
Sohil
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#22
Acetophenone
Concen: 23.330 ng
RT: 8.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140702		
71	1.1	0.8	1.2	
51	20.2	15.8	23.6	
120	20.8	17.0	25.4	





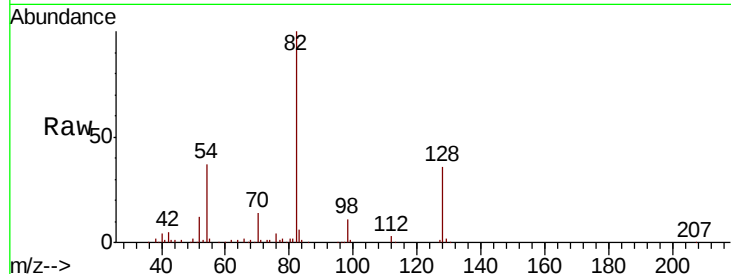
#23
Nitrobenzene-d5
Concen: 51.216 ng
RT: 8.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.7	29.4	44.2	
54	37.4	29.9	44.9	

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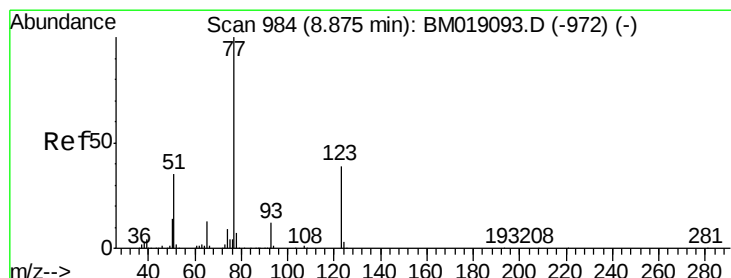
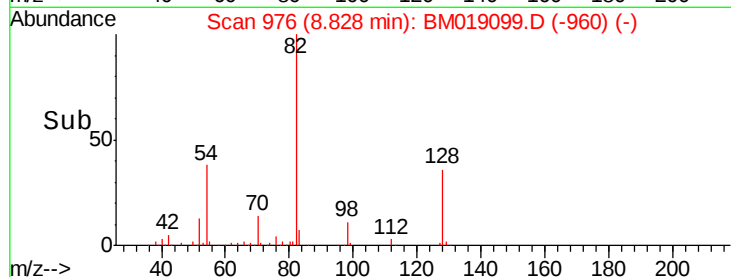
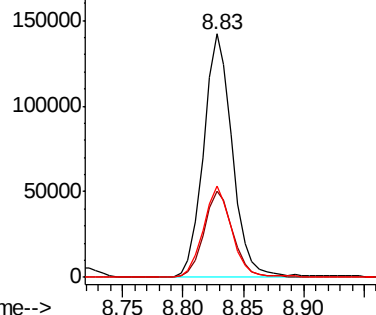
Sohil
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Abundance Ion 82.00 (81.70 to 82.70): BM019099.D (-968) (-)

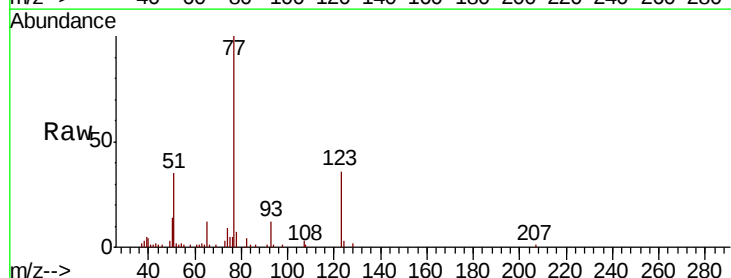
Ion 128.00 (127.70 to 128.70): BM019099.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM019099.D (-968) (-)



#24
Nitrobenzene
Concen: 24.595 ng
RT: 8.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

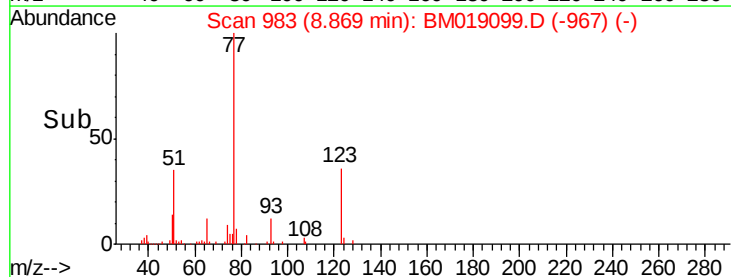
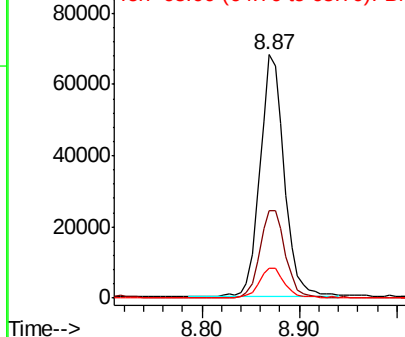
Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.0	31.3	46.9	
65	12.1	10.5	15.7	

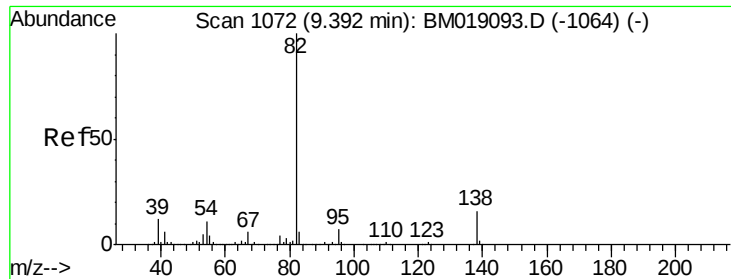


Abundance Ion 77.00 (76.70 to 77.70): BM019099.D (-972) (-)

Ion 123.00 (122.70 to 123.70): BM019099.D (-972) (-)

Ion 65.00 (64.70 to 65.70): BM019099.D (-972) (-)





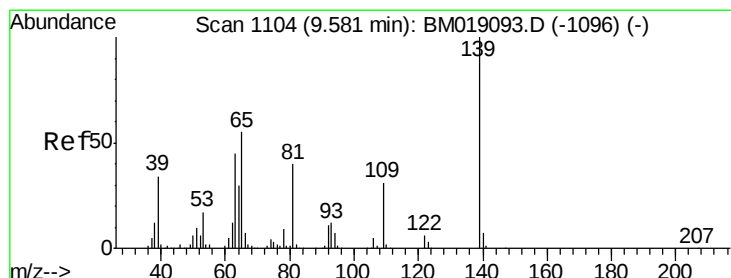
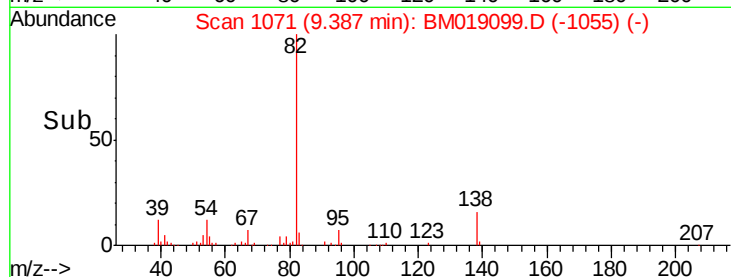
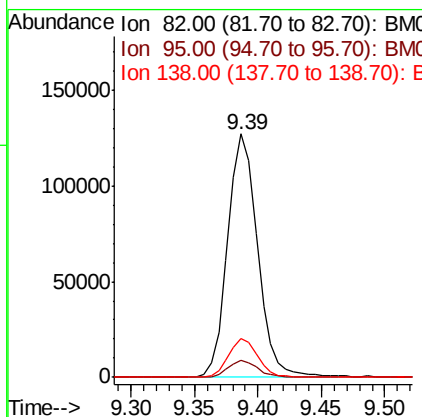
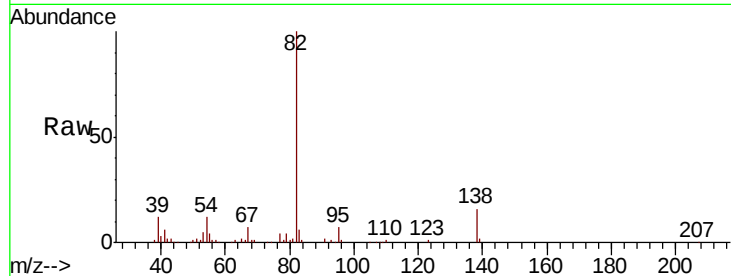
#25
Isophorone
Concen: 23.709 ng
RT: 9.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	208859		
95	6.9		5.4	8.2
138	16.0		12.6	18.8

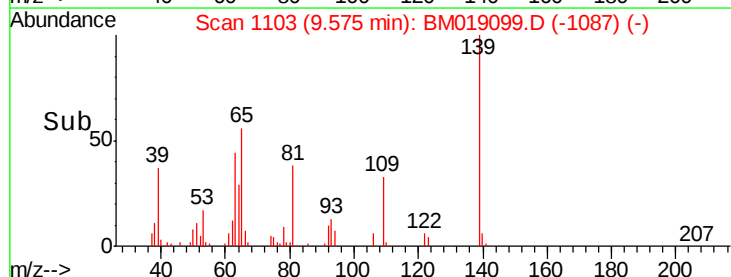
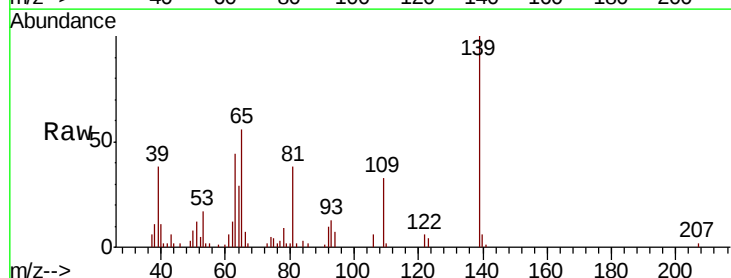
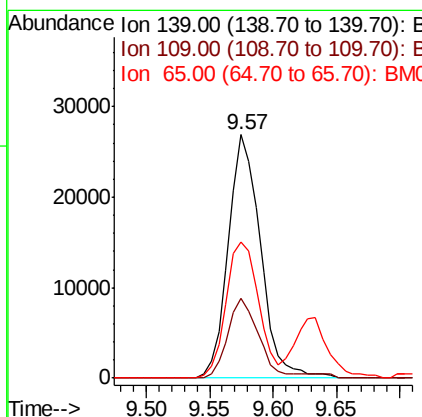
Manual Integrations
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3/12/2019 4:45:16 PM



#26
2-Nitrophenol
Concen: 23.818 ng
RT: 9.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	47403		
109	32.5		24.5	36.7
65	55.9		44.4	66.6





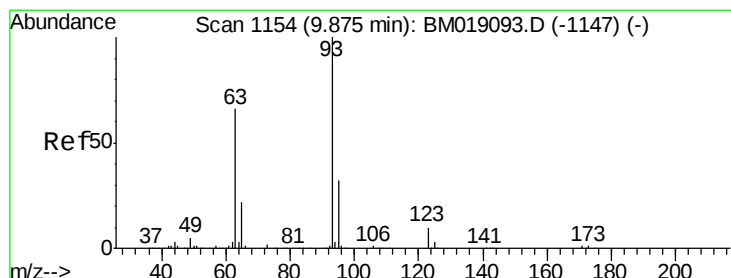
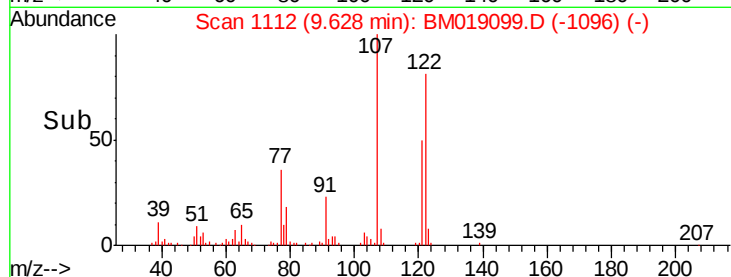
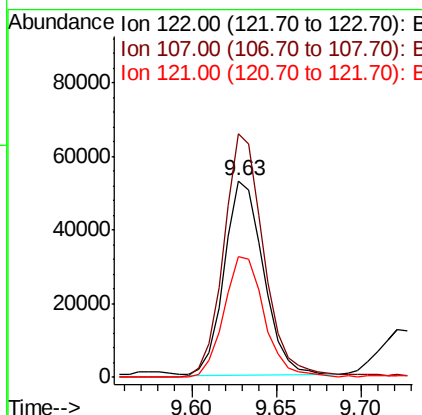
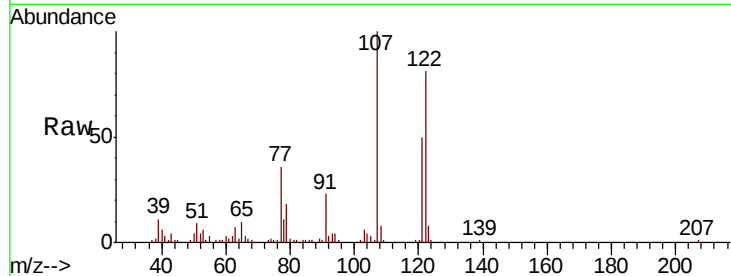
#27
2,4-Dimethylphenol
Concen: 29.147 ng
RT: 9.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		86241		
107	123.9	98.2	147.4		
121	61.3	48.8	73.2		

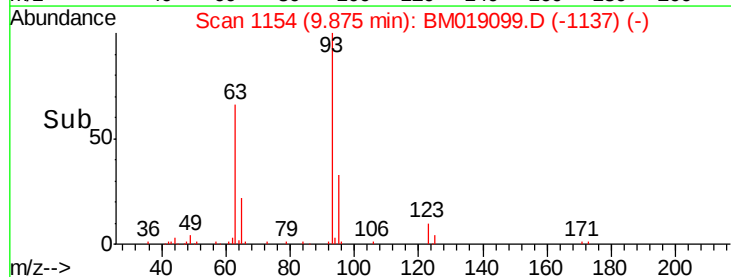
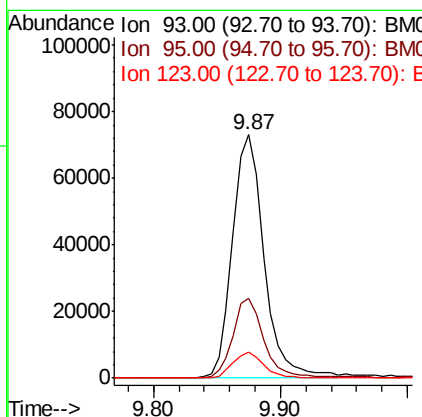
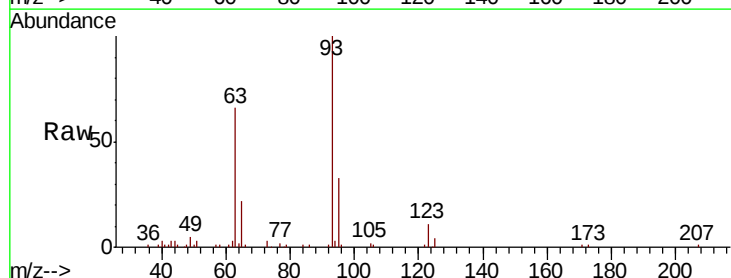
Manual Integrations
APPROVED

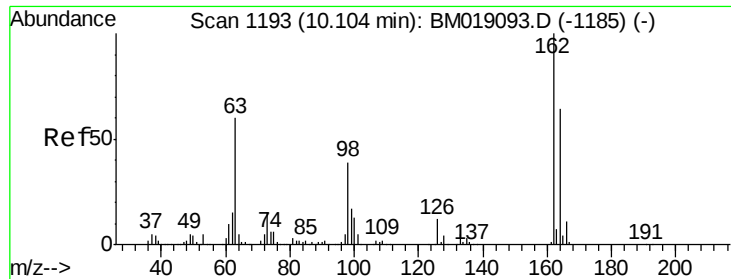
Sohil
3/12/2019 4:45:16 PM



#28
bis(2-Chloroethoxy)methane
Concen: 24.191 ng
RT: 9.87 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		126187		
95	33.0	25.8	38.8		
123	10.6	7.9	11.9		





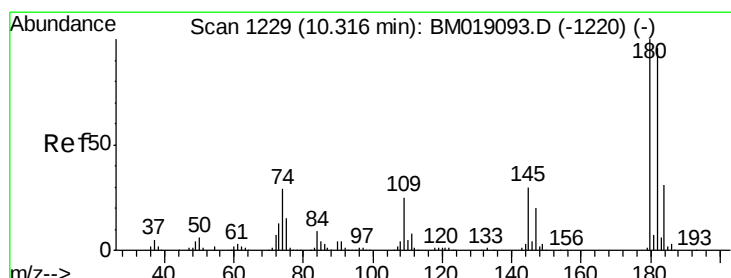
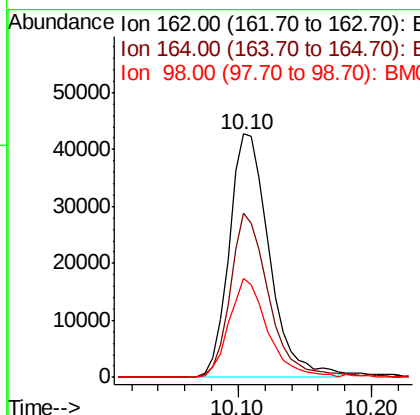
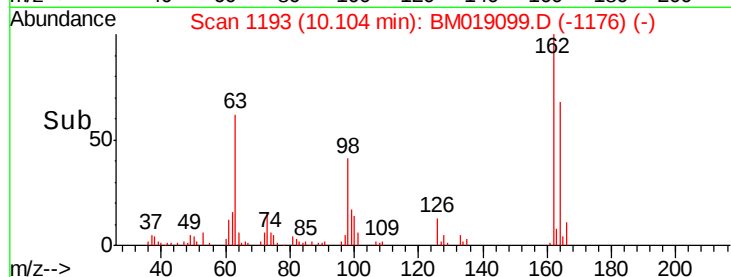
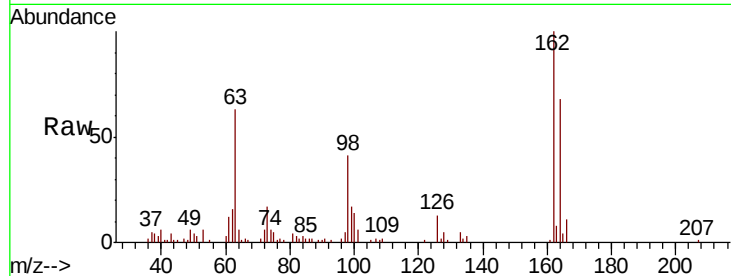
#29
2,4-Dichlorophenol
Concen: 27.249 ng
RT: 10.10 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	67.6	43.5	83.5	
98	40.6	19.1	59.1	

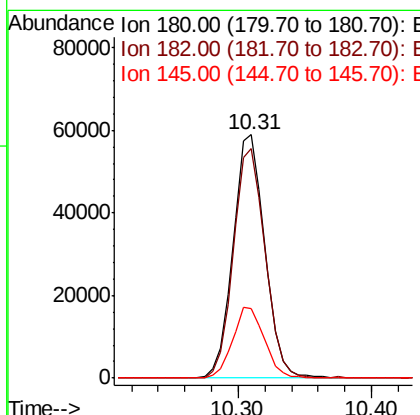
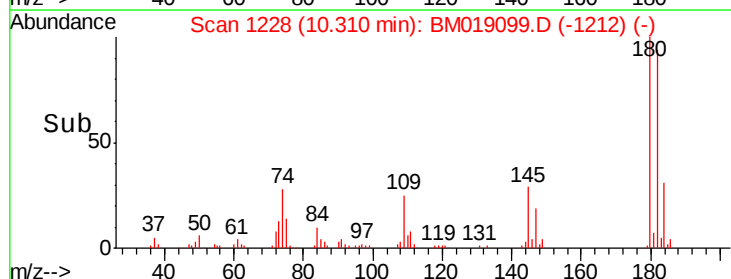
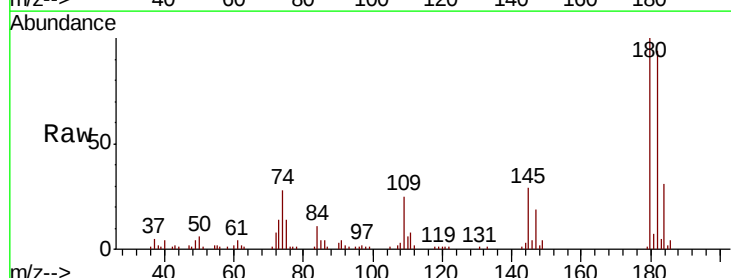
Manual Integrations
APPROVED

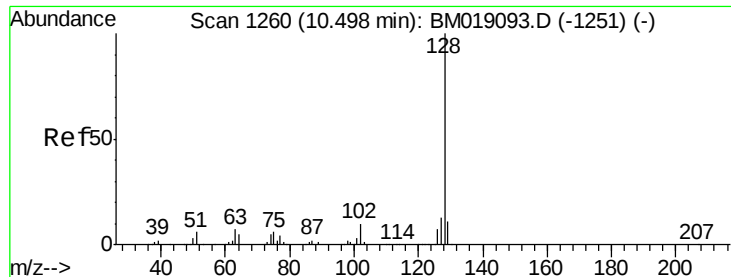
Sohil
3/12/2019 4:45:16 PM



#30
1,2,4-Trichlorobenzene
Concen: 26.304 ng
RT: 10.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	76.6	114.8	
145	28.6	24.3	36.5	





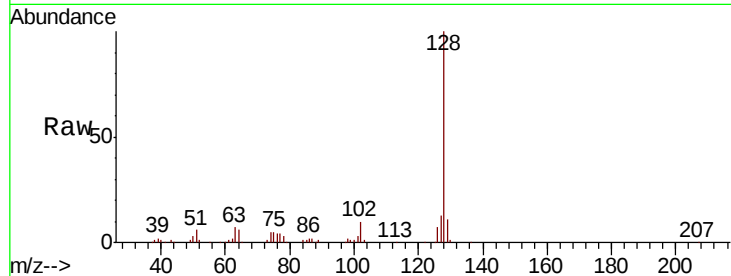
#31
Naphthalene
Concen: 25.326 ng
RT: 10.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.3	10.4	15.6

Manual Integrations
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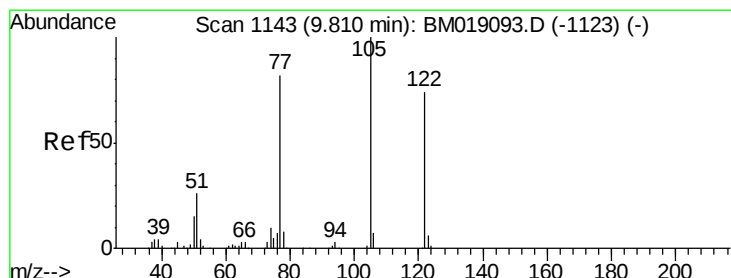
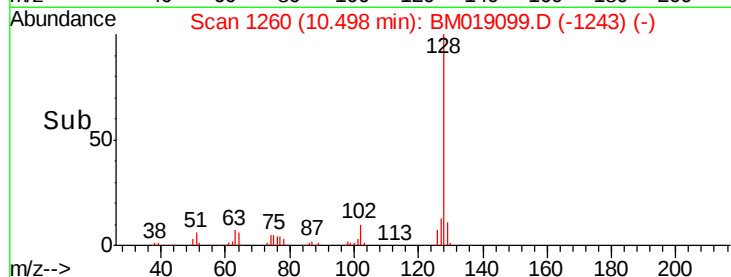
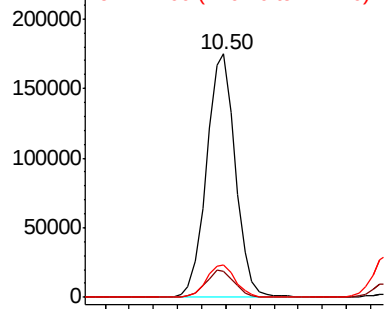


Abundance

Ion 128.00 (127.70 to 128.70): E

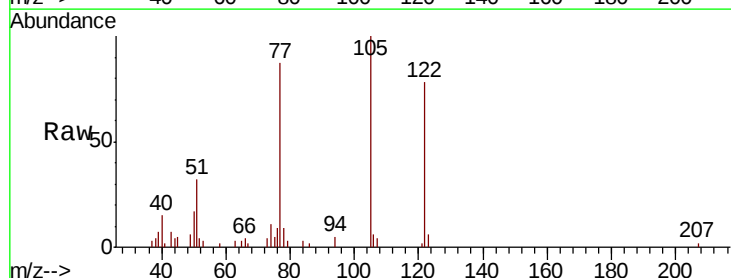
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 17.253 ng m
RT: 9.72 min Scan# 1128
Delta R.T. -0.09 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.4	113.0	153.0
77	110.4	90.1	130.1

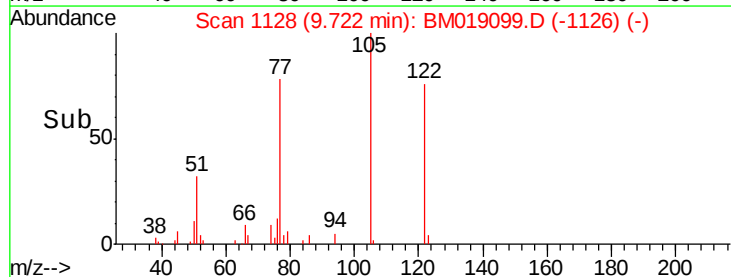
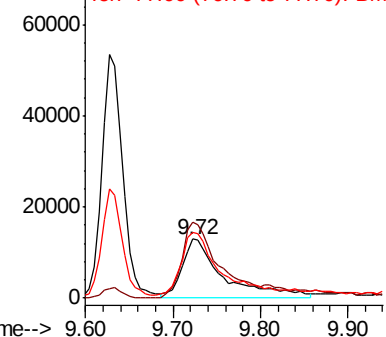


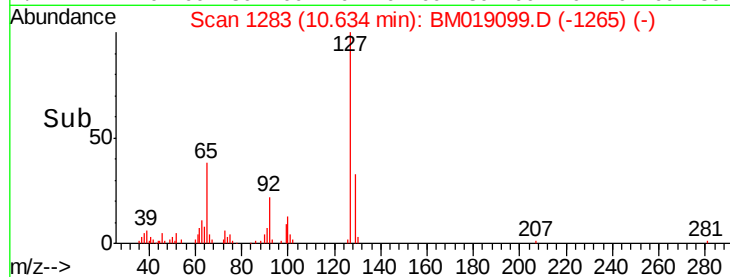
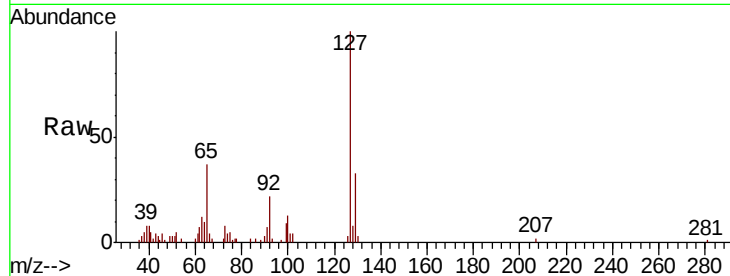
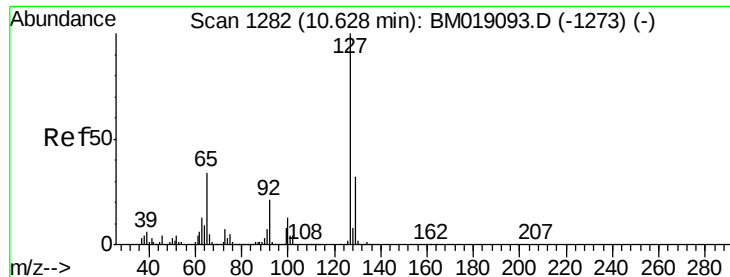
Abundance

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): BM0





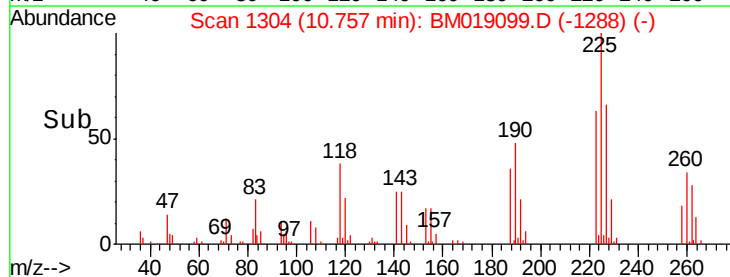
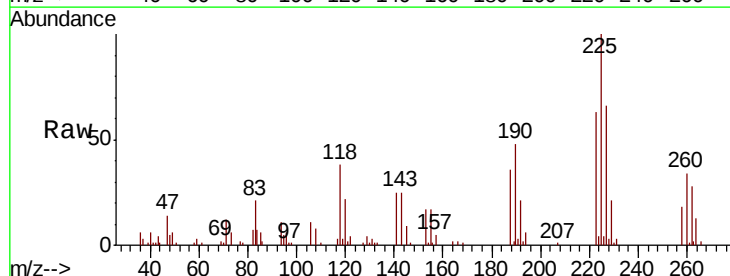
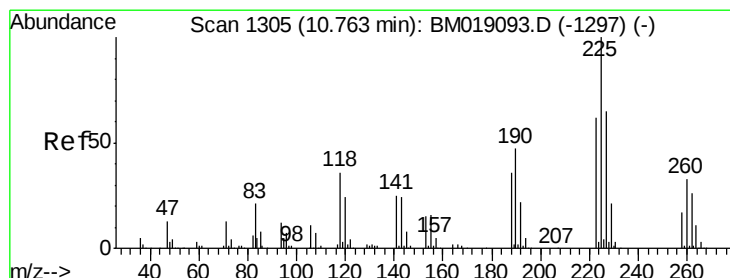
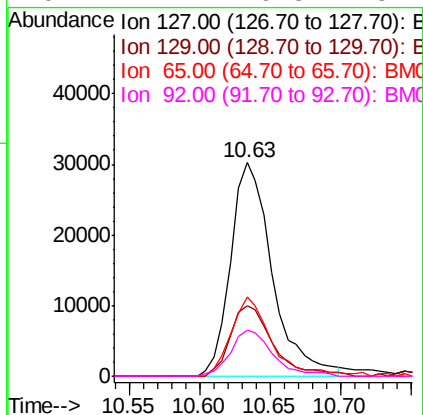
#33
4-Chloroaniline
Concen: 13.253 ng
RT: 10.63 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.3	37.9
65	37.0	27.4	41.2
92	21.7	16.8	25.2

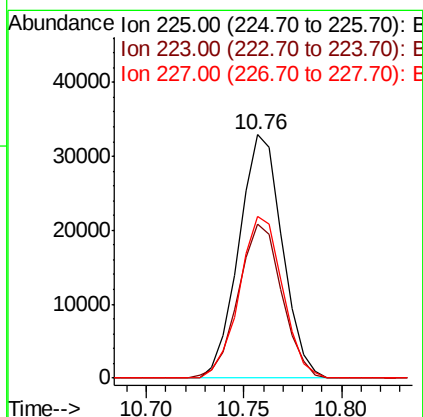
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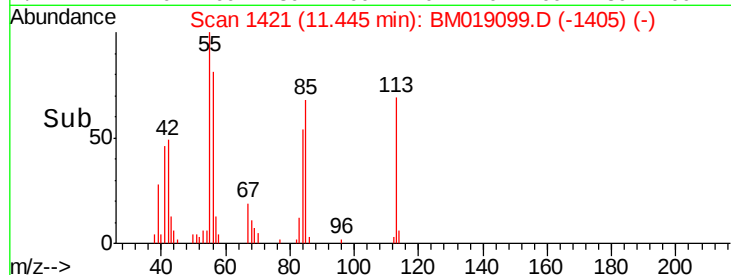
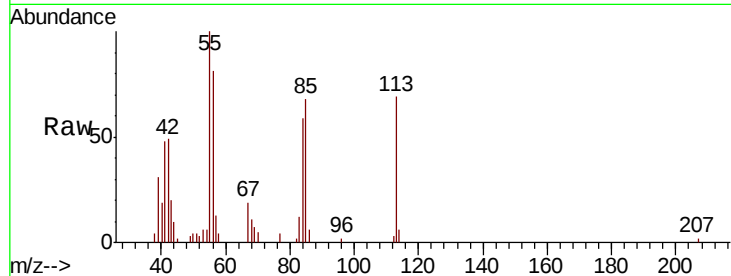
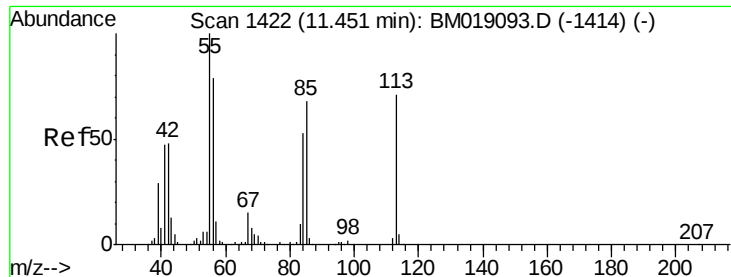
Sohil
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#34
Hexachlorobutadiene
Concen: 23.915 ng
RT: 10.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.4	74.0
227	64.0	51.6	77.4





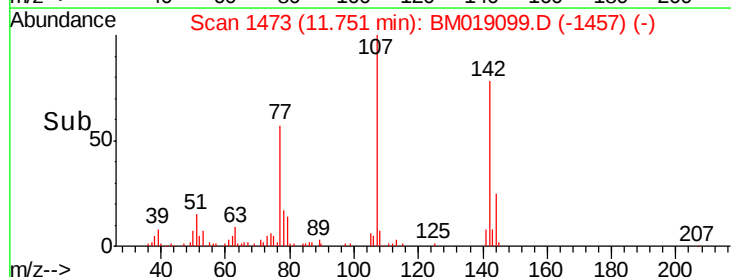
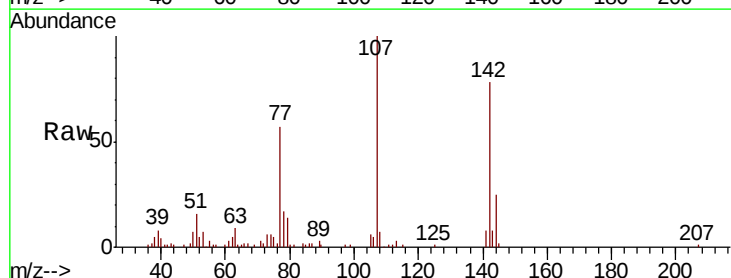
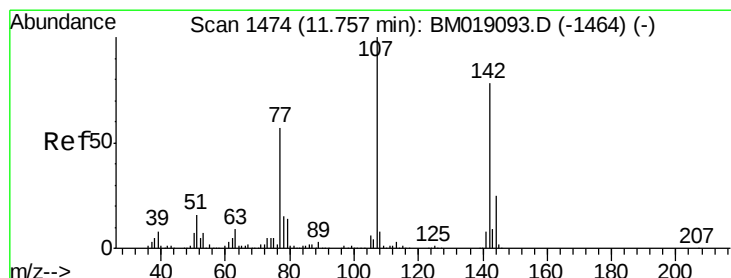
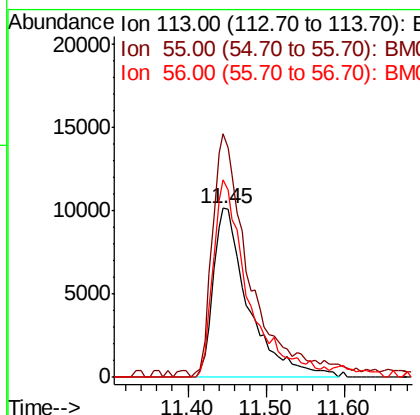
#35
Caprolactam
Concen: 27.408 ng/ml
RT: 11.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	143.9	120.1	160.1
56	116.4	90.1	130.1

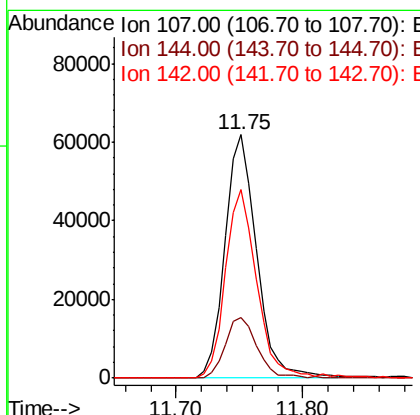
Manual Integrations
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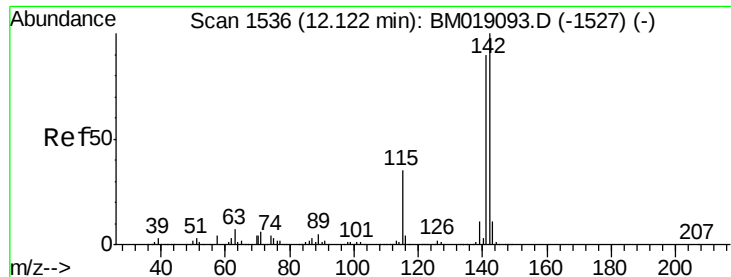
Sohil
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#36
4-Chloro-3-methylphenol
Concen: 26.479 ng/ml
RT: 11.75 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.2	30.4
142	77.7	62.4	93.6





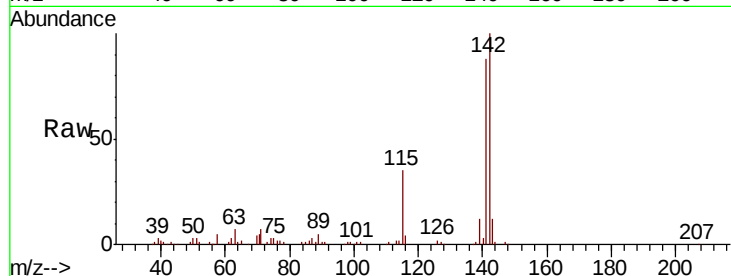
#37
2-Methylnaphthalene
Concen: 25.603 ng
RT: 12.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.3	108.5
115	34.8	27.8	41.8

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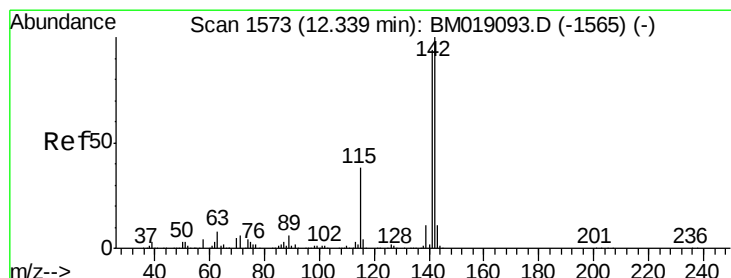
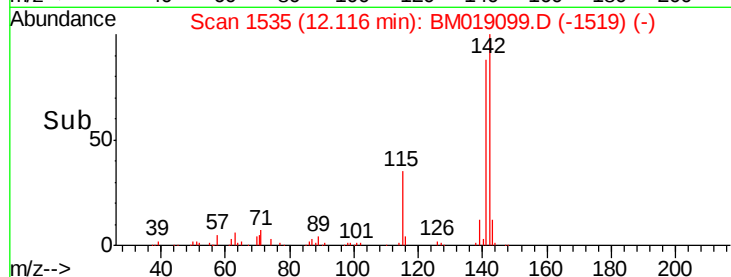
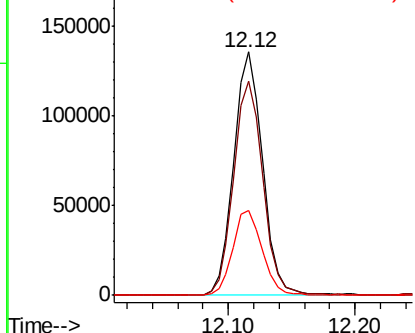


Abundance

Ion 142.00 (141.70 to 142.70): E

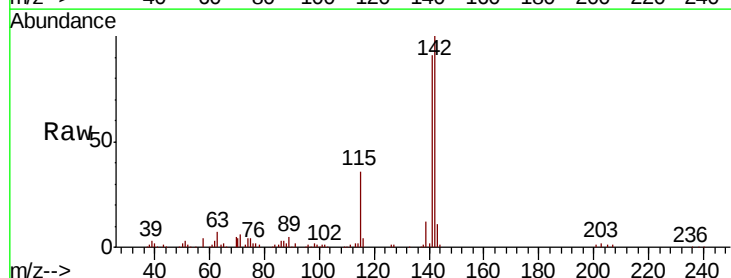
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 25.212 ng
RT: 12.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.9	112.3
116	3.9	3.2	4.8

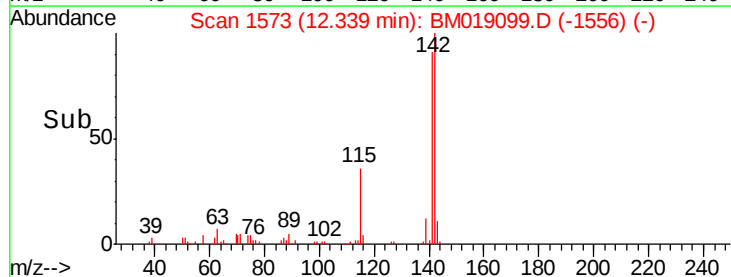
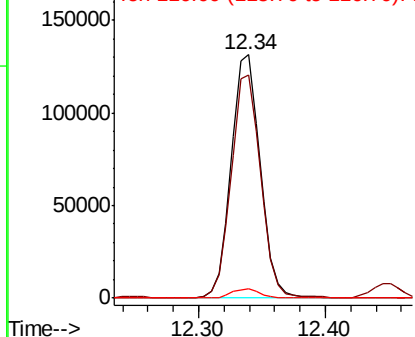


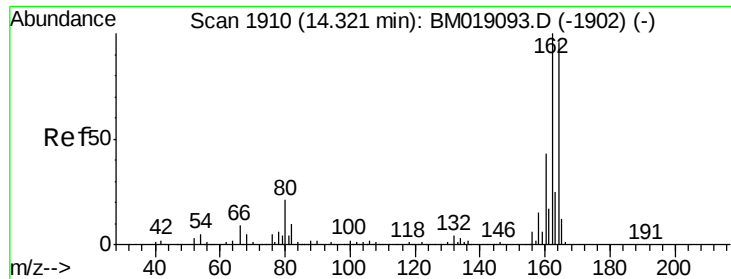
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

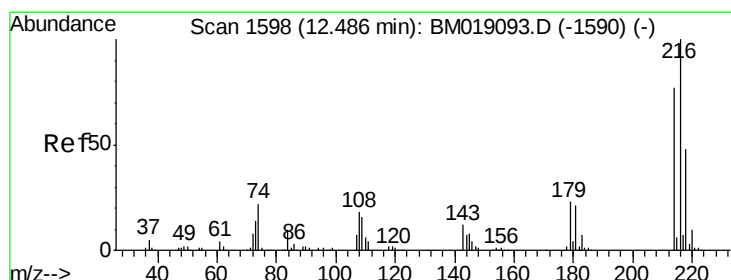
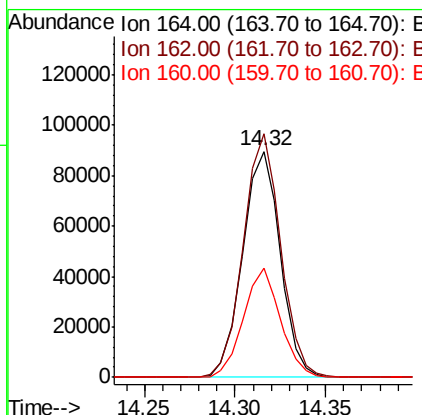
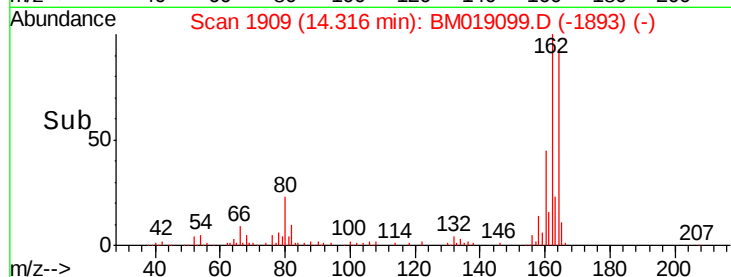
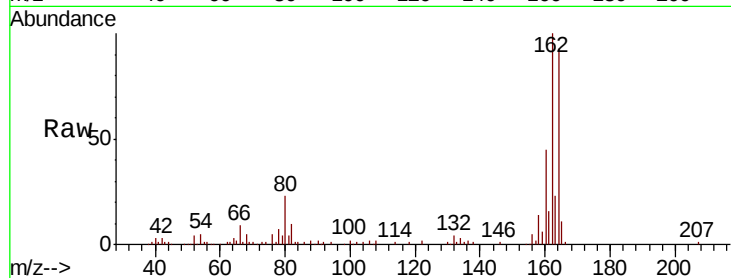
ClientSampleId :

PB117788BS

Tot Ion:	164	Resp:	128619
Ion Ratio	Lower	Upper	
164	100		
162	107.9	83.5	125.3
160	48.3	36.3	54.5

Manual Integrations
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 25.129 ng

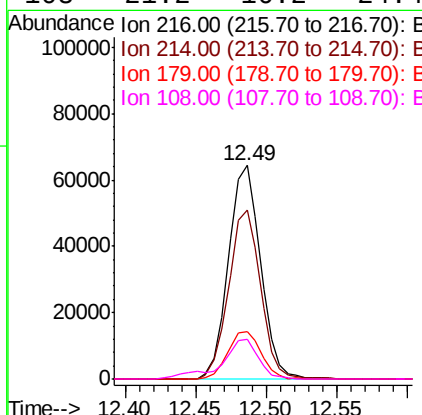
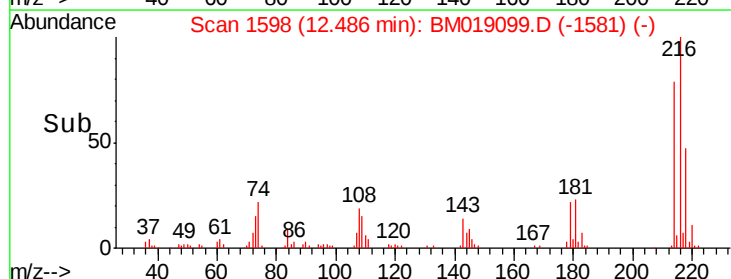
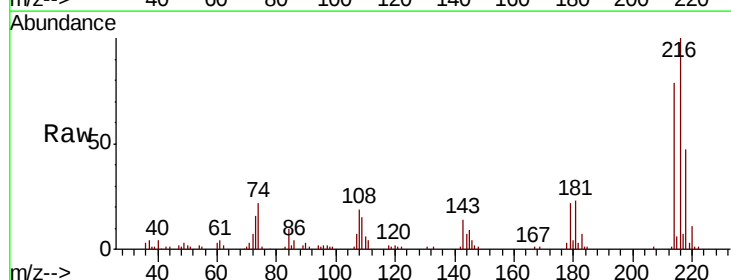
RT: 12.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	216	Resp:	102240
Ion Ratio	Lower	Upper	
216	100		
214	78.8	62.9	94.3
179	23.0	18.0	27.0
108	21.2	16.2	24.4





#41

Hexachlorocyclopentadiene

Concen: 50.913 ng

RT: 12.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

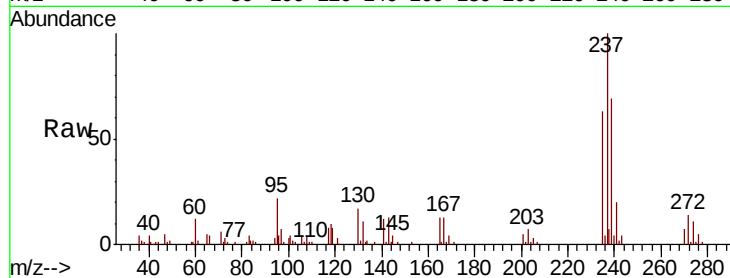
ClientSampleId :

PB117788BS

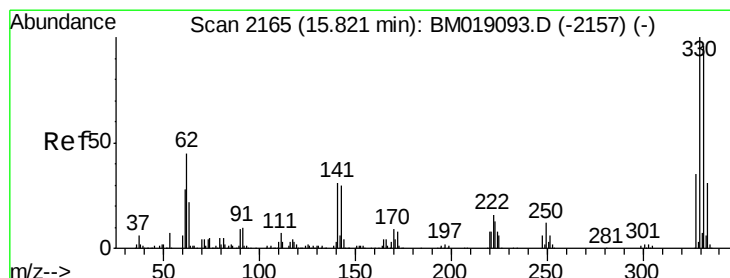
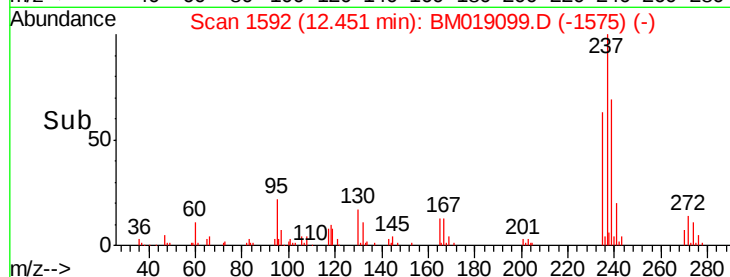
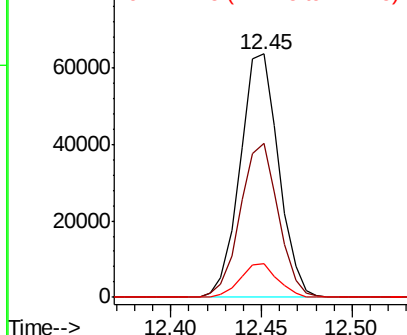
Tot Ion:	237	Resp:	93828
Ion Ratio	Lower	Upper	
237	100		
235	63.0	41.3	81.3
272	14.1	0.0	33.1

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: 86.718 ng

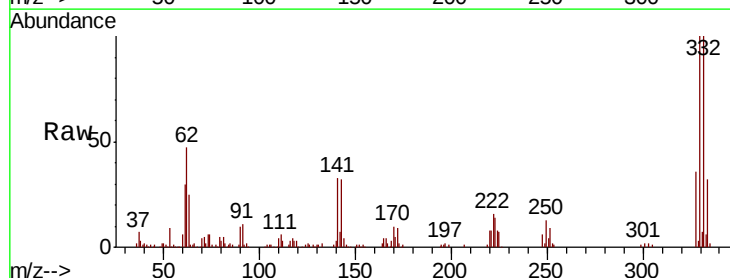
RT: 15.82 min Scan# 2164

Delta R.T. -0.01 min

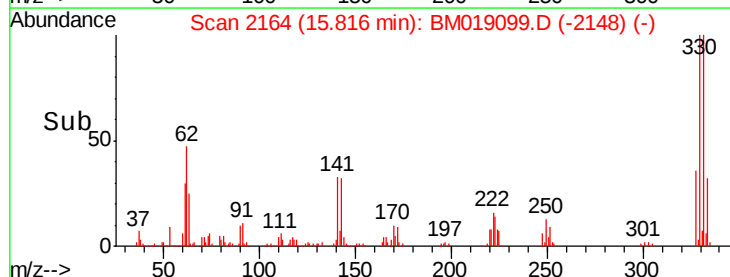
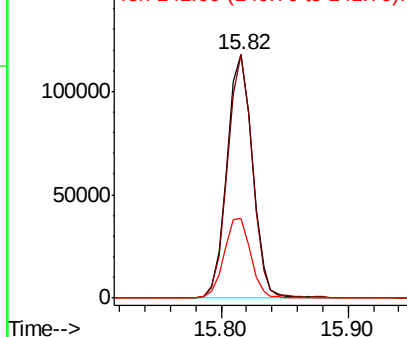
Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	330	Resp:	164679
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.8	115.2
141	33.7	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





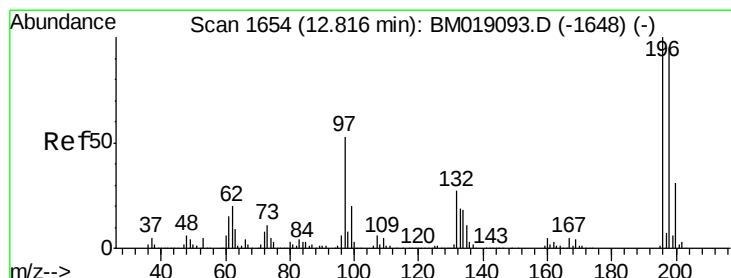
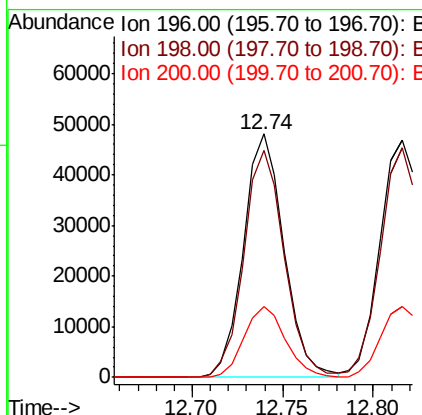
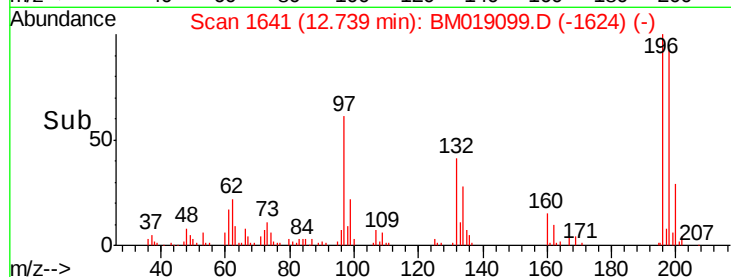
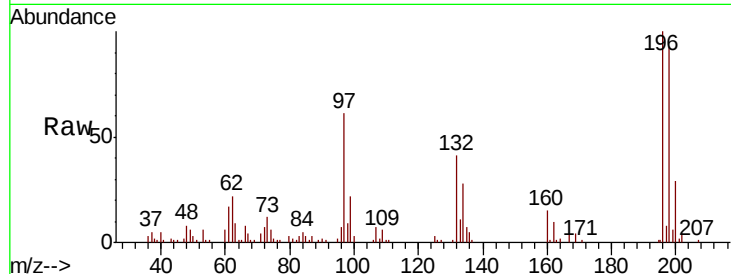
#43
 2,4,6-Trichlorophenol
 Concen: 28.382 ng
 RT: 12.74 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.1	75.4	113.0
200	29.1	24.2	36.2

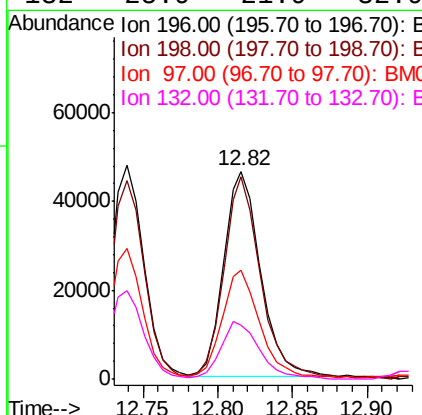
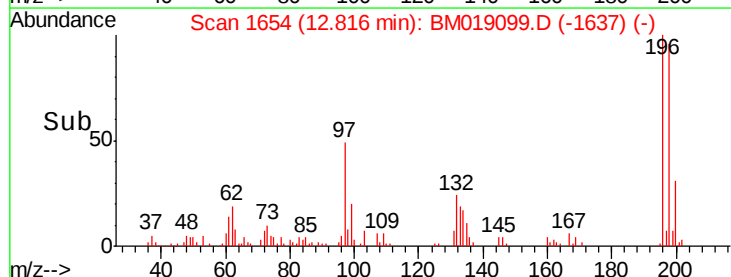
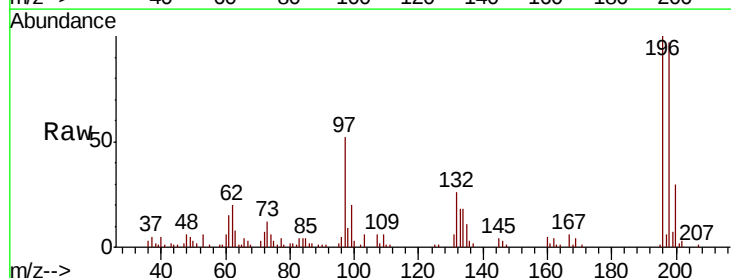
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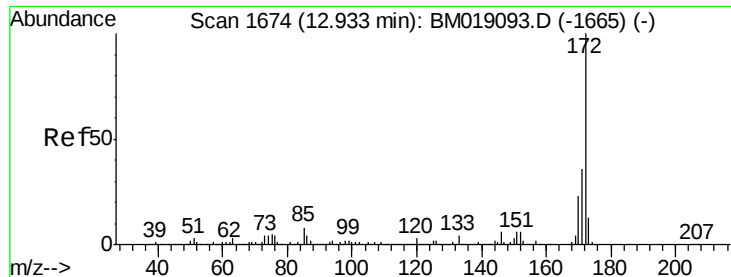
Sohil
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#44
 2,4,5-Trichlorophenol
 Concen: 28.178 ng
 RT: 12.82 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.0	75.9	113.9
97	52.1	42.5	63.7
132	25.9	21.9	32.9





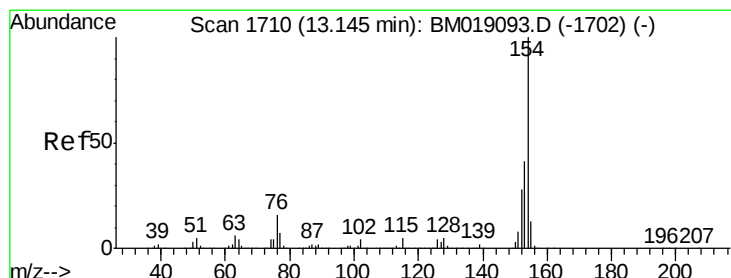
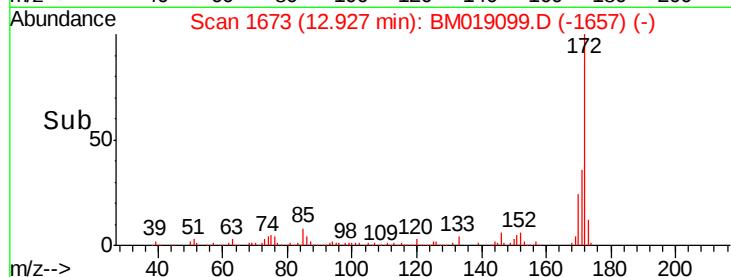
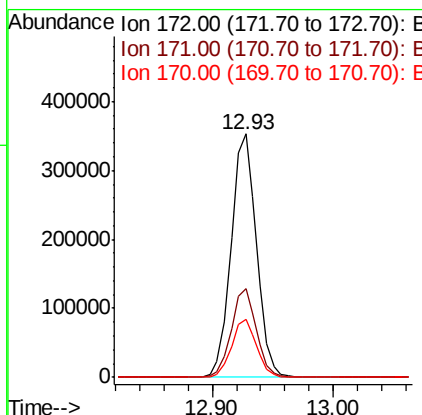
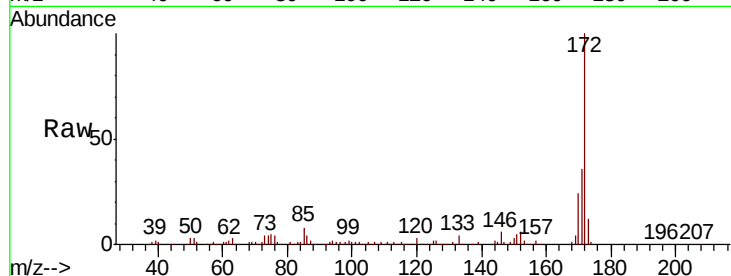
#45
2-Fluorobiphenyl
Concen: 52.120 ng
RT: 12.93 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	24.0	18.6	28.0

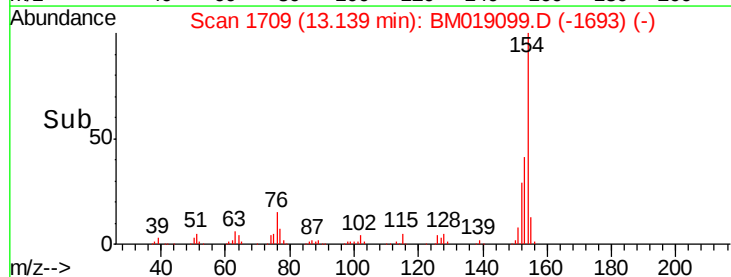
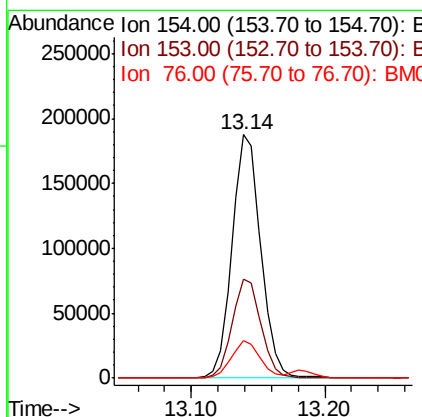
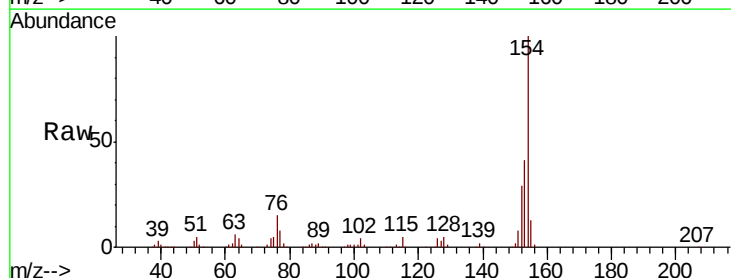
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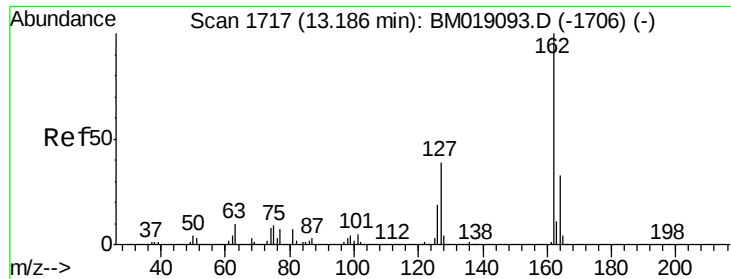
Sohil
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#46
1,1'-Biphenyl
Concen: 25.066 ng
RT: 13.14 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.5	61.5
76	15.4	0.0	35.8





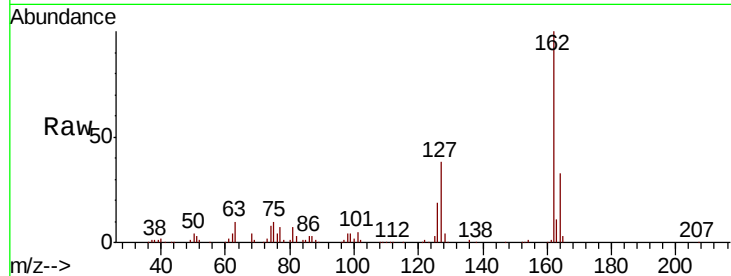
#47
2-Chloronaphthalene
Concen: 25.855 ng
RT: 13.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.2	46.8
164	33.0	26.3	39.5

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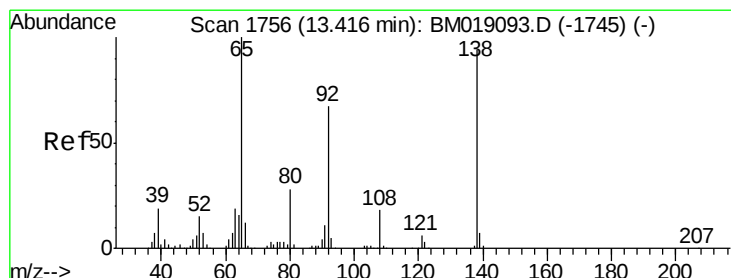
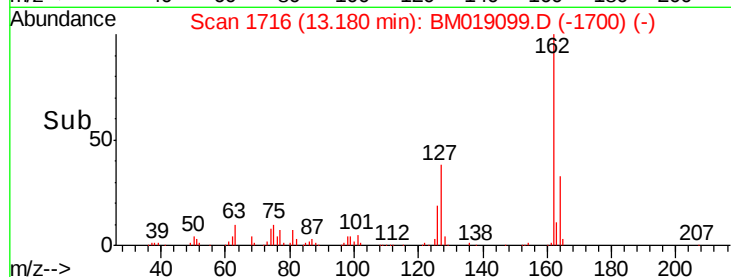
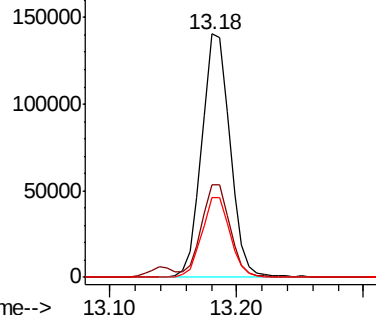


Abundance

Ion 162.00 (161.70 to 162.70): E

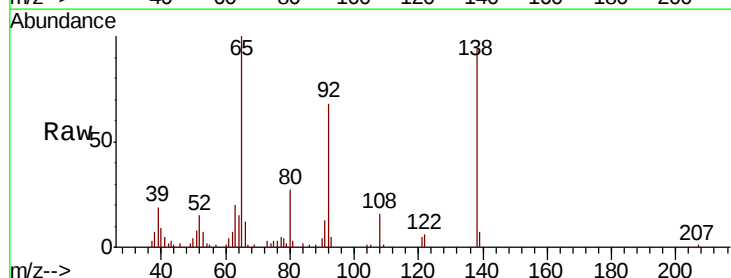
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 24.894 ng
RT: 13.41 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.2	53.4	80.2
138	93.8	74.9	112.3

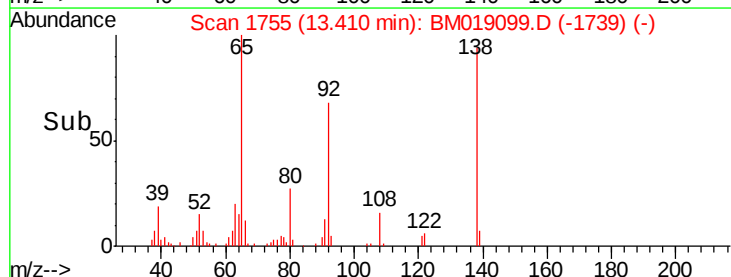
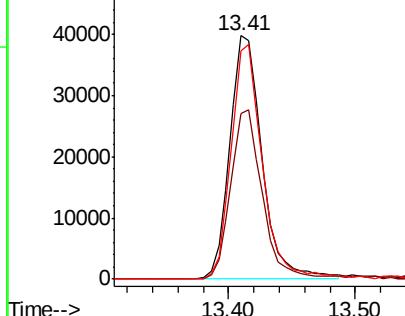


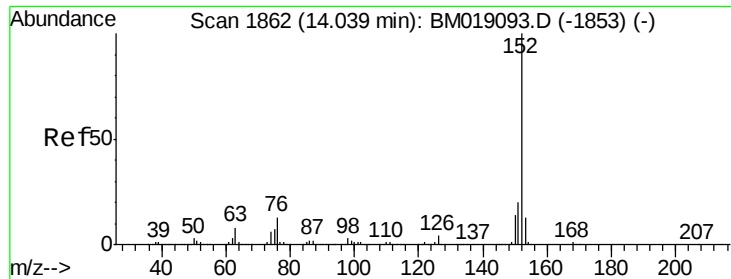
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 25.391 ng

RT: 14.03 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

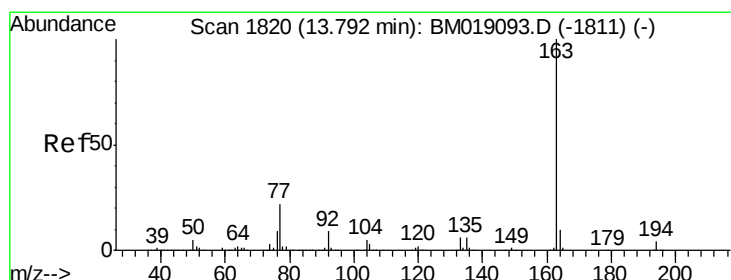
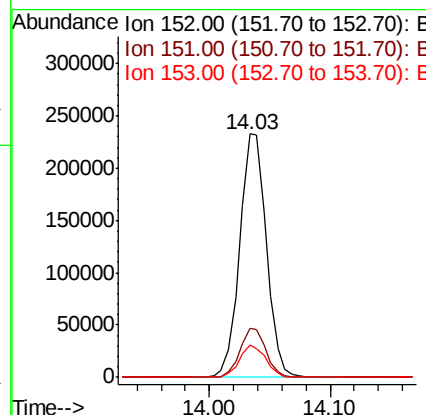
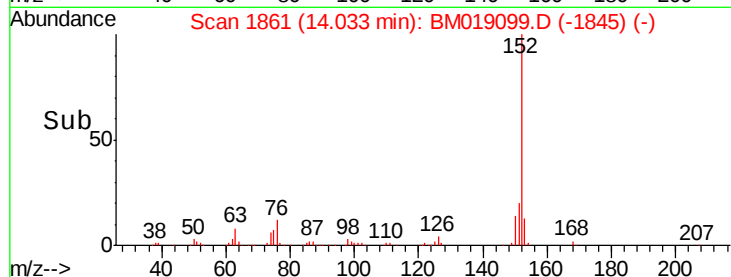
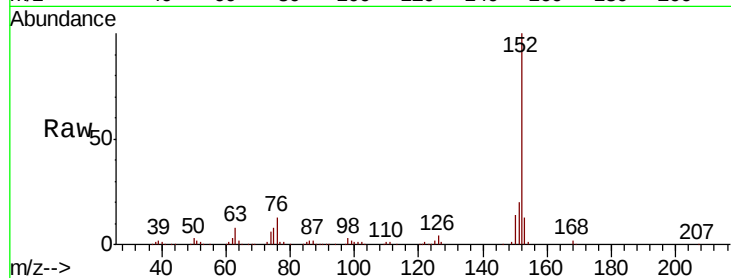
ClientSampleId :

PB117788BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.6	15.8

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#50

Dimethylphthalate

Concen: 26.917 ng

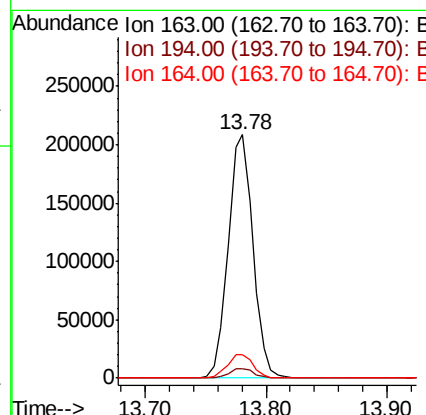
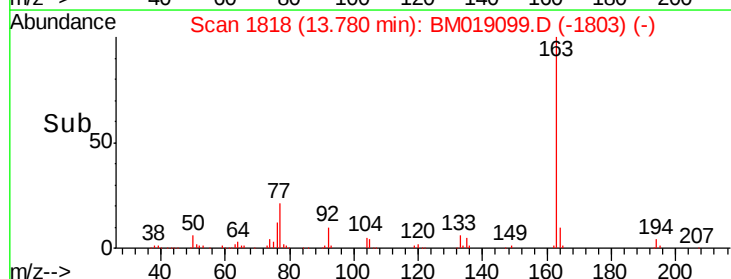
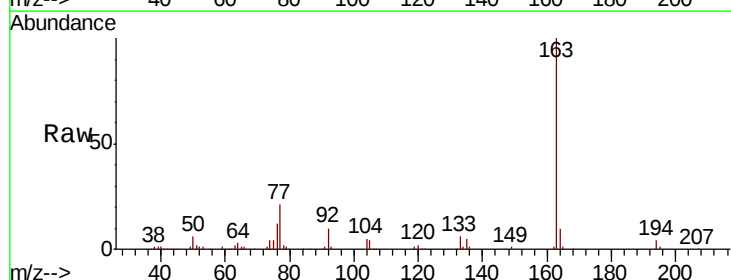
RT: 13.78 min Scan# 1818

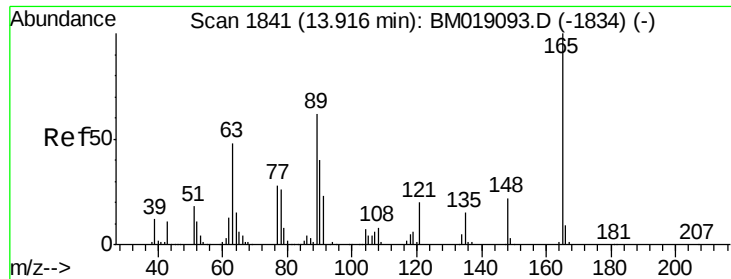
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	7.7	11.5





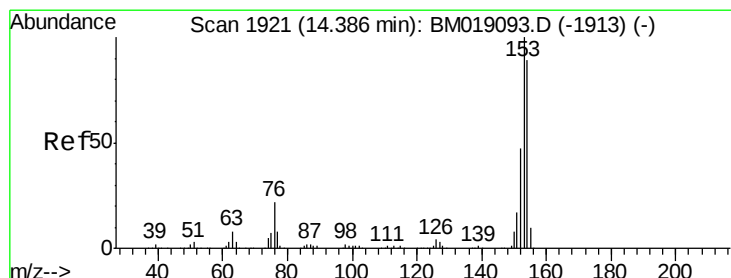
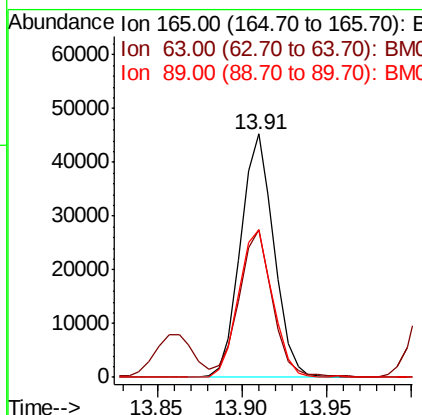
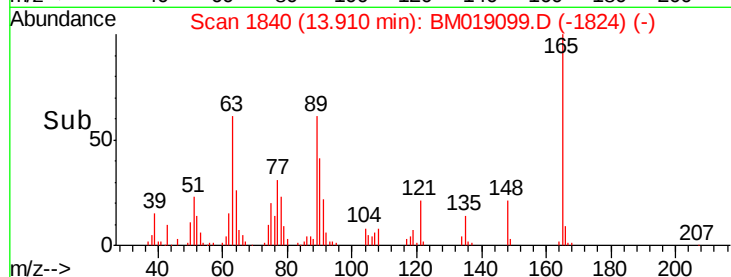
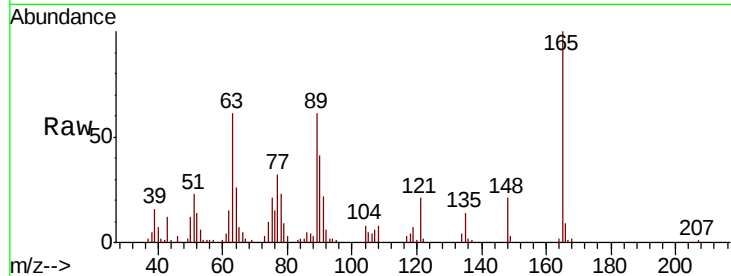
#51
2,6-Dinitrotoluene
Concen: 26.250 ng
RT: 13.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	62436		
63	60.9	48.2	72.4	
89	60.7	49.3	73.9	

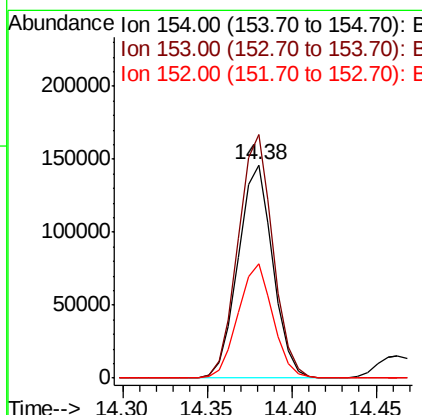
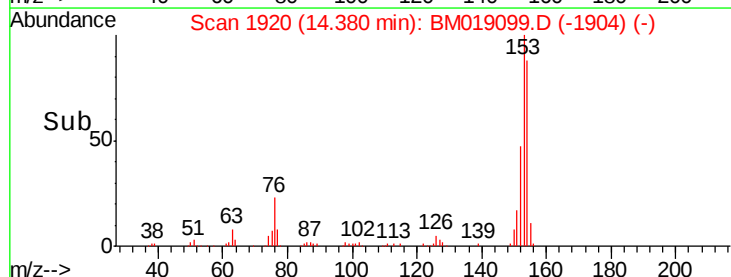
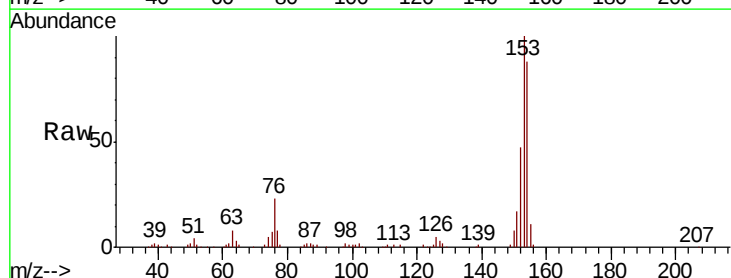
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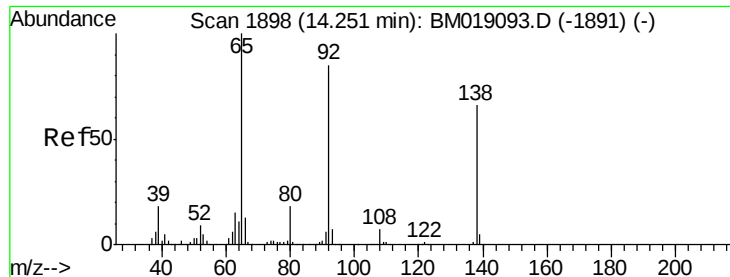
Sohil
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#52
Acenaphthene
Concen: 25.684 ng
RT: 14.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	209225		
153	114.3	90.1	135.1	
152	53.6	42.5	63.7	





#53

3-Nitroaniline

Concen: 17.093 ng

RT: 14.25 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

ClientSampleId :

PB117788BS

Tot Ion:138 Resp: 43058

Ion Ratio Lower Upper

138 100

108 10.5 9.0 13.4

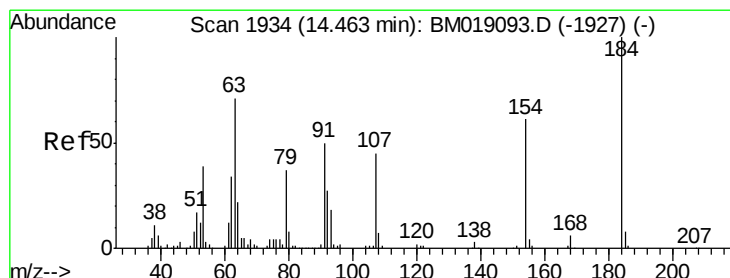
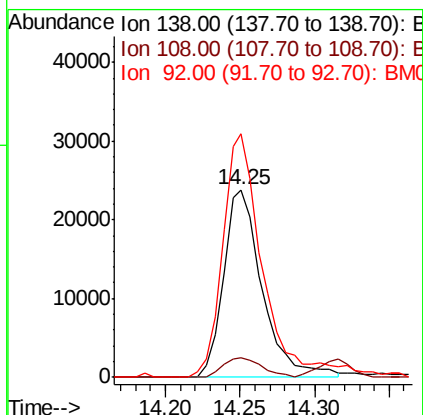
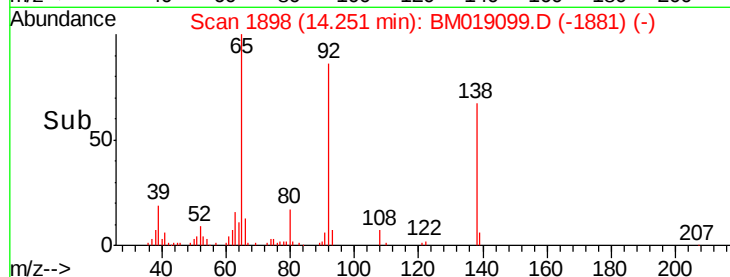
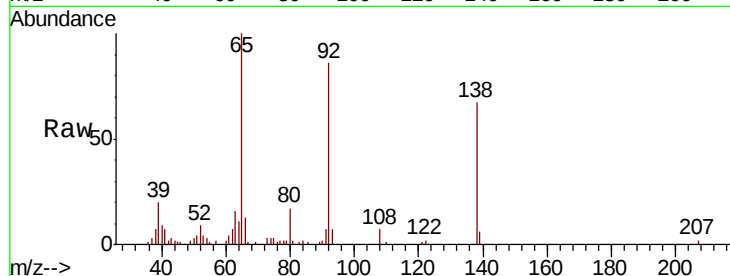
92 130.0 102.6 153.8

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#54

2,4-Dinitrophenol

Concen: 34.582 ng

RT: 14.46 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

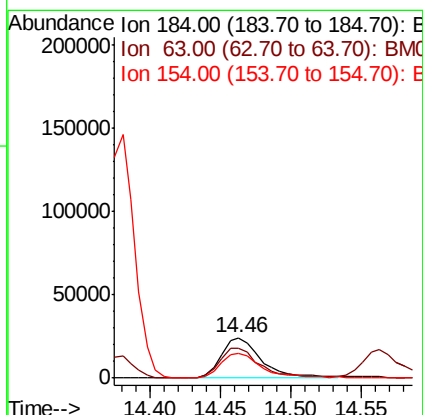
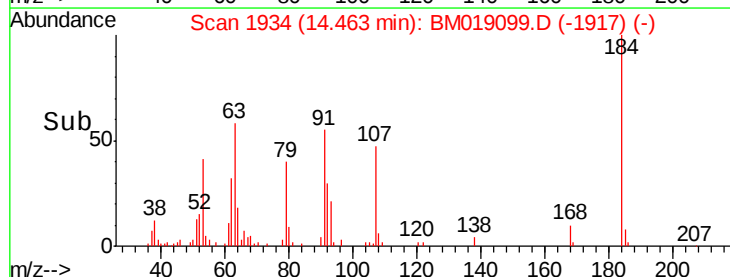
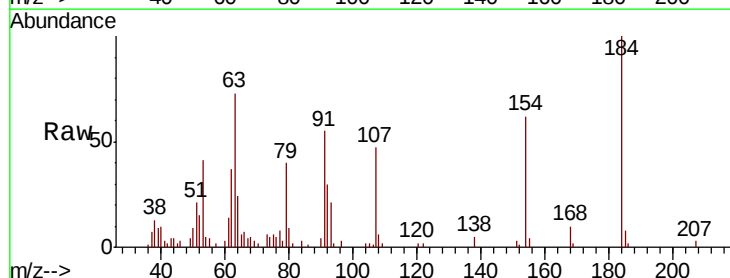
Tgt Ion:184 Resp: 47768

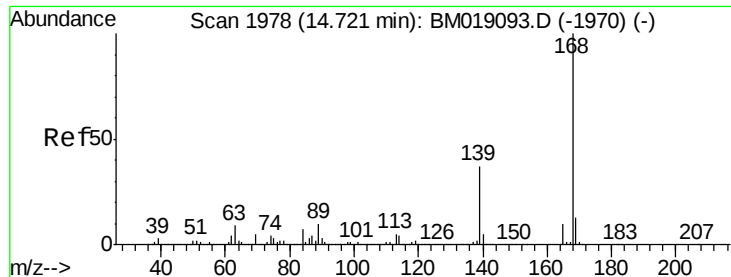
Ion Ratio Lower Upper

184 100

63 73.4 56.7 85.1

154 61.8 49.3 73.9





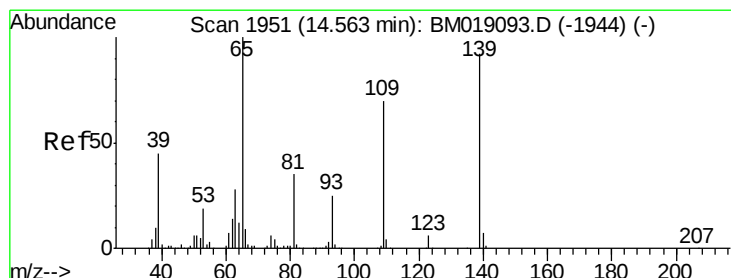
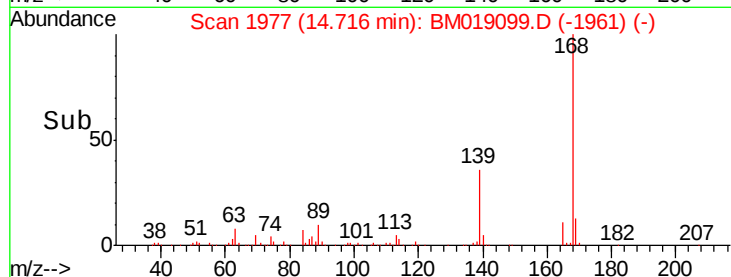
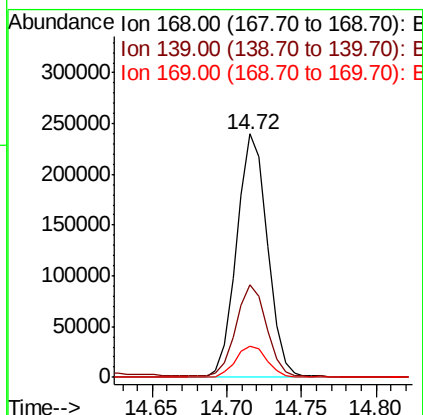
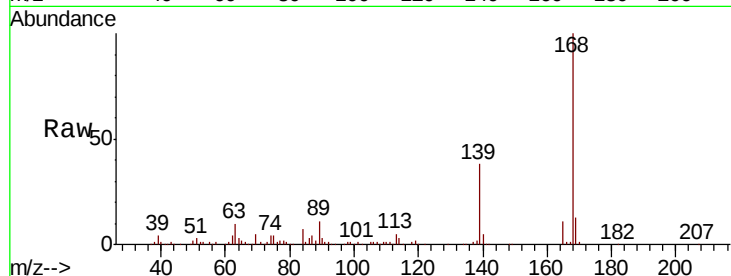
#55
Dibenzofuran
Concen: 26.327 ng
RT: 14.72 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.1	45.1
169	12.7	10.6	16.0

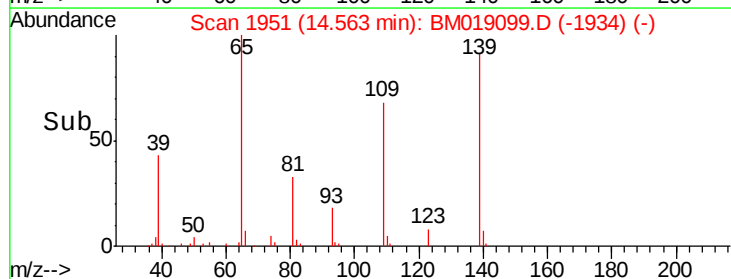
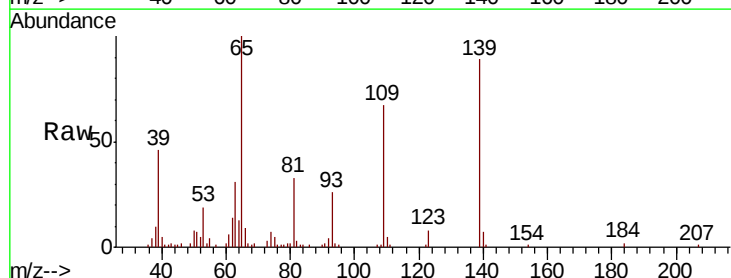
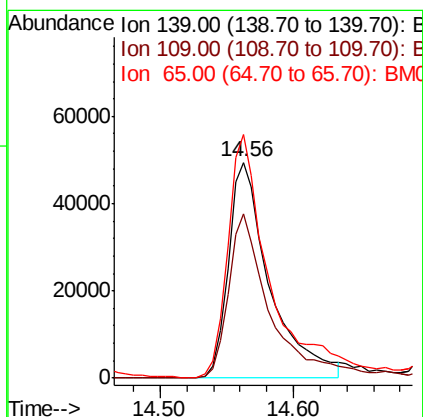
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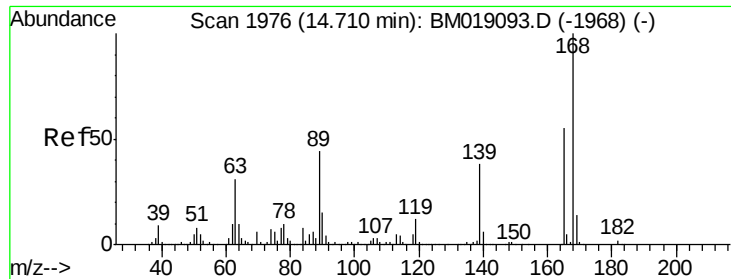
Sohil
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#56
4-Nitrophenol
Concen: 51.744 ng
RT: 14.56 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.0	56.3	96.3
65	112.9	89.2	129.2





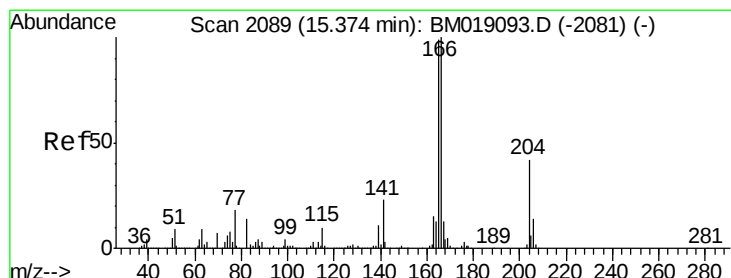
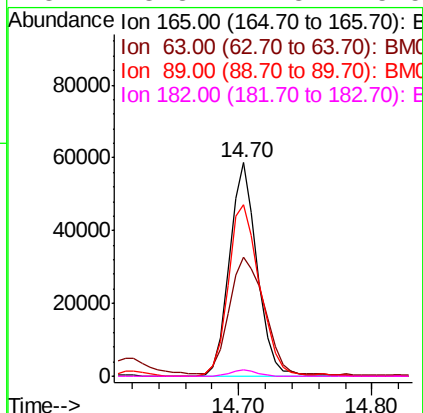
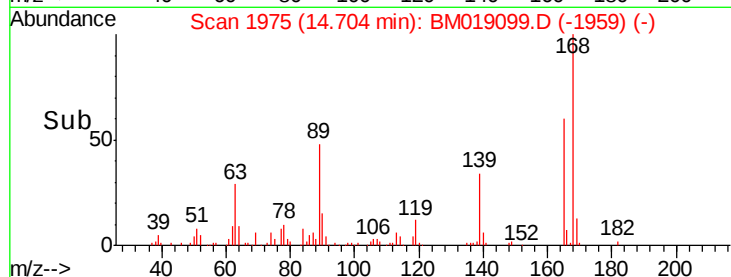
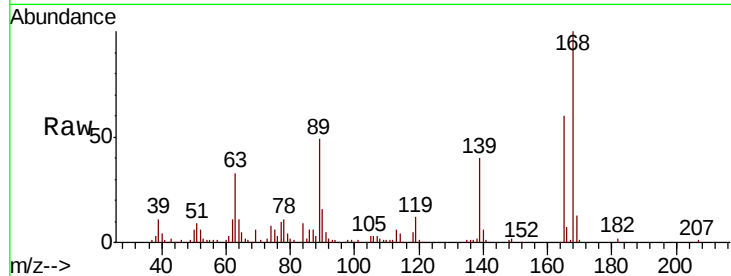
#57
 2,4-Dinitrotoluene
 Concen: 24.686 ng
 RT: 14.70 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	85230		
63	55.5	44.7	67.1	
89	80.5	63.4	95.2	
182	3.3	2.3	3.5	

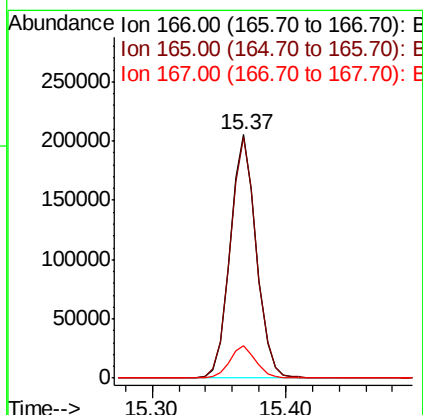
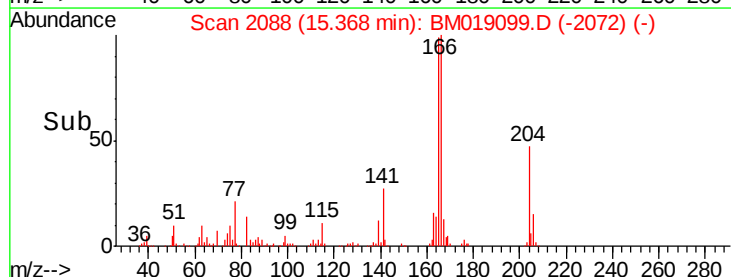
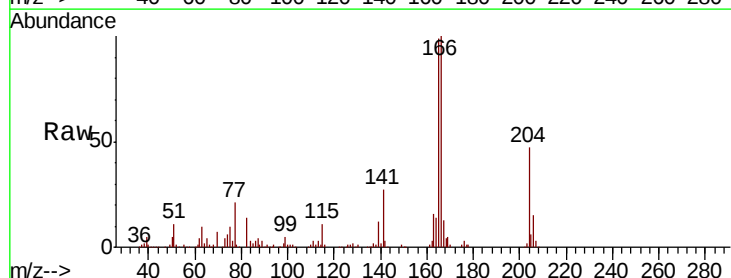
Manual Integrations
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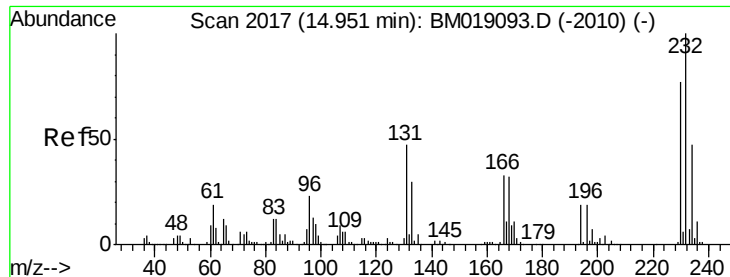
Sohil
 3/12/2019 4:45:16 PM



#58
 Fluorene
 Concen: 25.845 ng
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	279866		
165	99.0	79.0	118.4	
167	13.4	10.8	16.2	





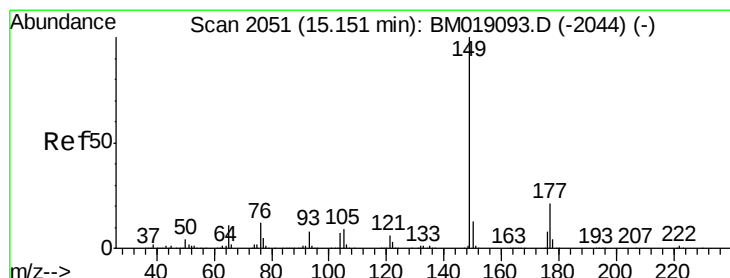
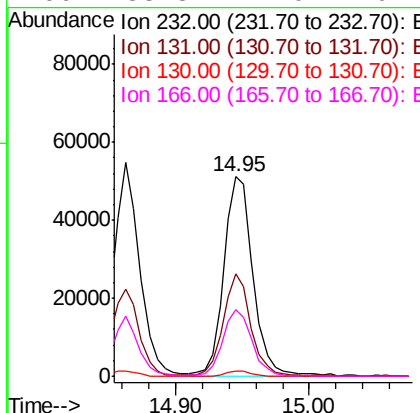
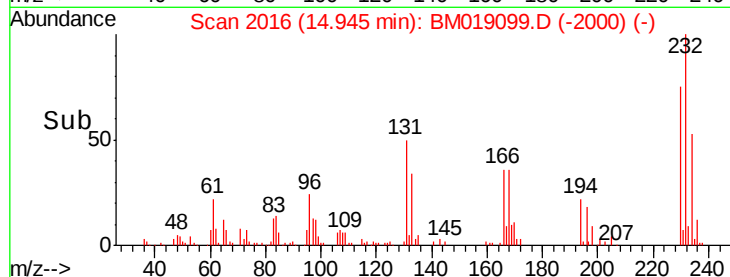
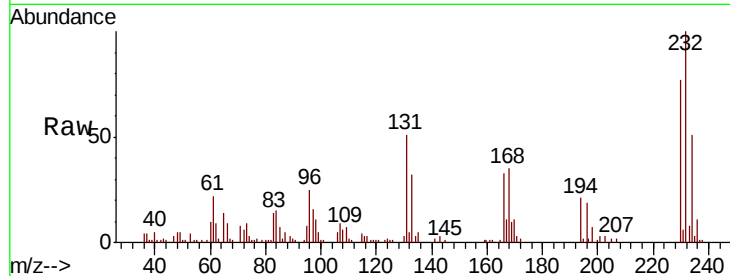
#59
2,3,4,6-Tetrachlorophenol
Concen: 30.039 ng
RT: 14.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion:	232	Resp:	78625
Ion Ratio	Lower	Upper	
232	100		
131	48.5	38.2	57.2
130	2.4	1.9	2.9
166	33.3	27.0	40.4

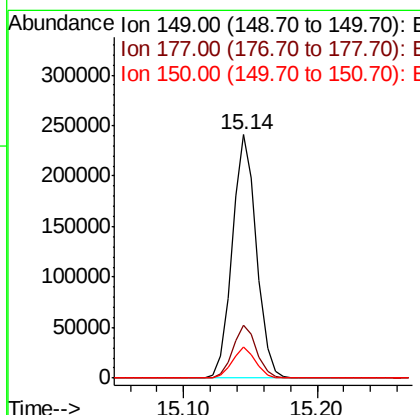
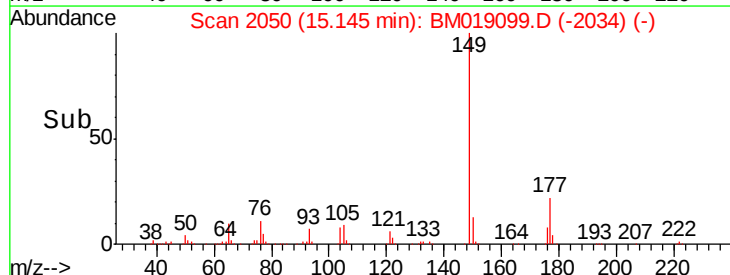
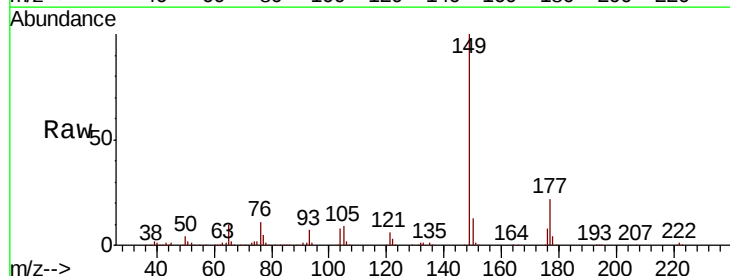
Manual Integrations
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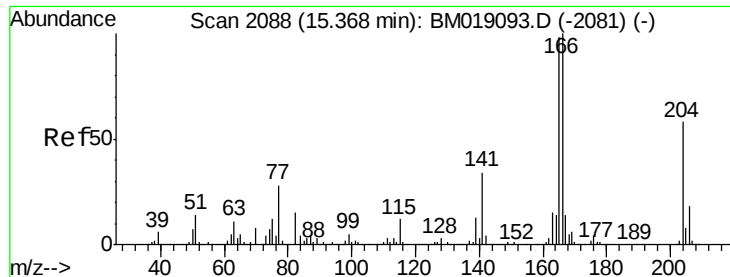
Sohil
3/12/2019 4:45:16 PM



#60
Diethylphthalate
Concen: 27.344 ng
RT: 15.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion:	149	Resp:	304705
Ion Ratio	Lower	Upper	
149	100		
177	21.6	17.0	25.6
150	12.7	10.2	15.4





#61

4-Chlorophenyl-phenylether

Concen: 26.100 ng

RT: 15.36 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

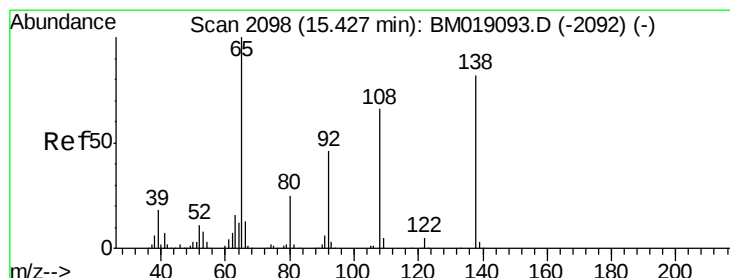
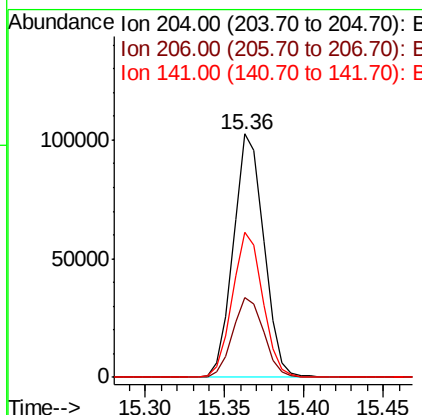
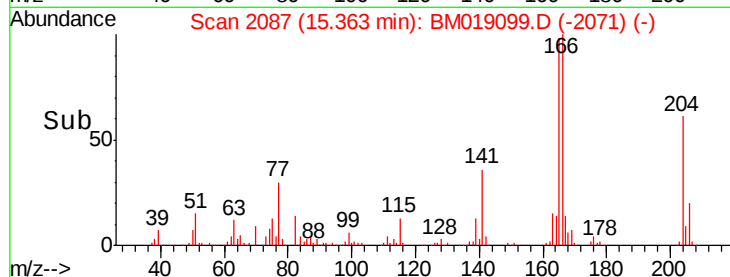
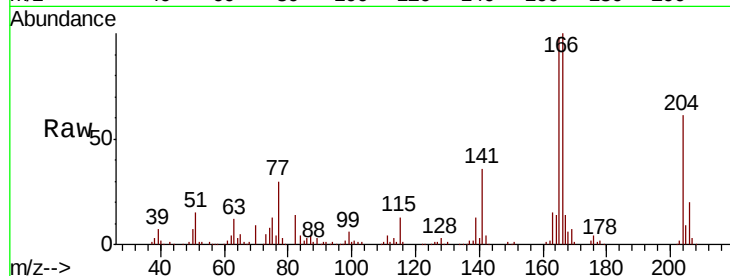
ClientSampled :

PB117788BS

Tot Ion:	204	Resp:	137267
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.5	38.3
141	59.6	47.8	71.8

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3/12/2019 4:45:16 PM



#62

4-Nitroaniline

Concen: 22.383 ng

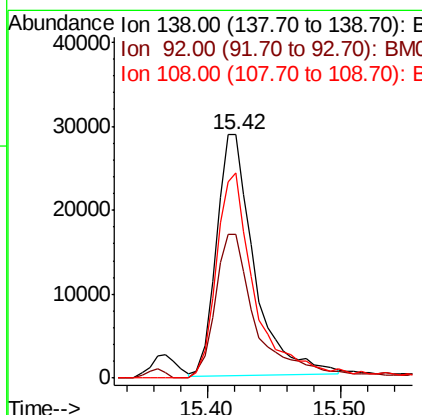
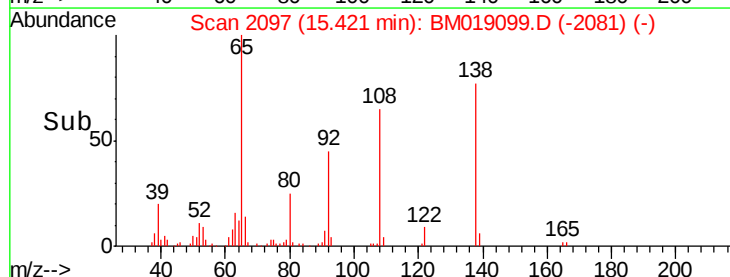
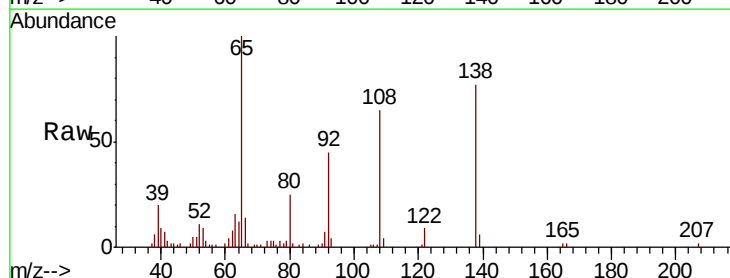
RT: 15.42 min Scan# 2097

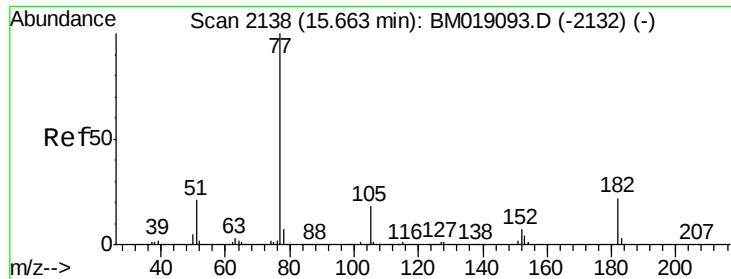
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	138	Resp:	56823
Ion Ratio	Lower	Upper	
138	100		
92	59.1	36.2	76.2
108	84.3	59.7	99.7





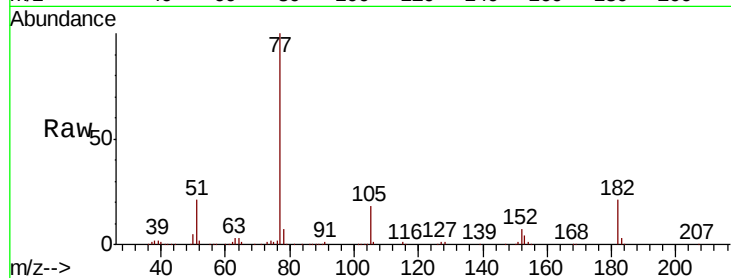
#63
Azobenzene
Concen: 26.068 ng
RT: 15.66 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	20.5	1.8	41.8
105	17.8	0.0	38.3
51	20.7	0.8	40.8

Manual Integrations
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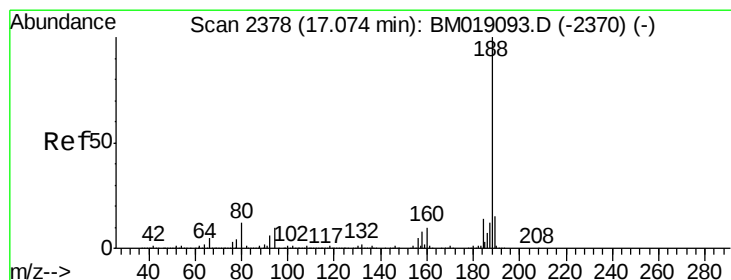
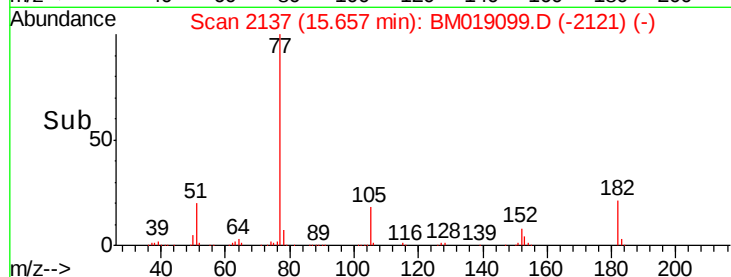
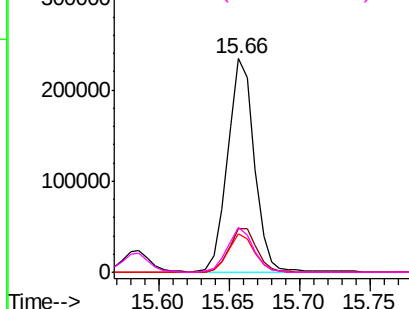


Abundance Ion 77.00 (76.70 to 77.70): BM019099.D (-2132) (-)

Ion 182.00 (181.70 to 182.70): BM019099.D (-2132) (-)

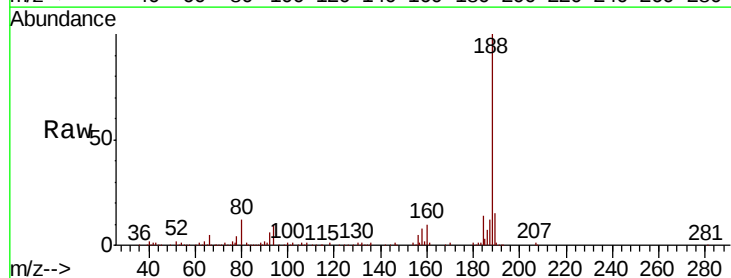
Ion 105.00 (104.70 to 105.70): BM019099.D (-2132) (-)

Ion 51.00 (50.70 to 51.70): BM019099.D (-2132) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

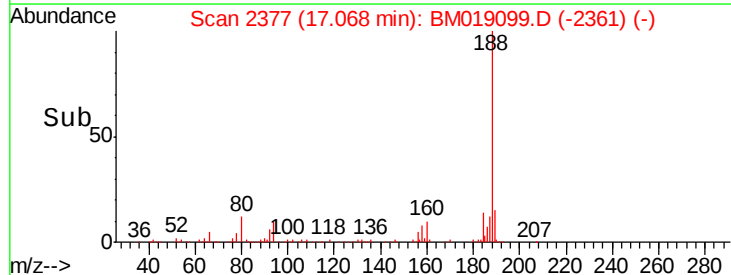
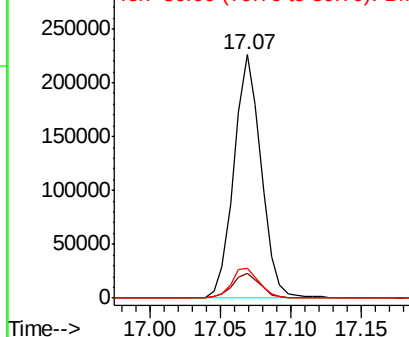
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	12.3	9.7	14.5

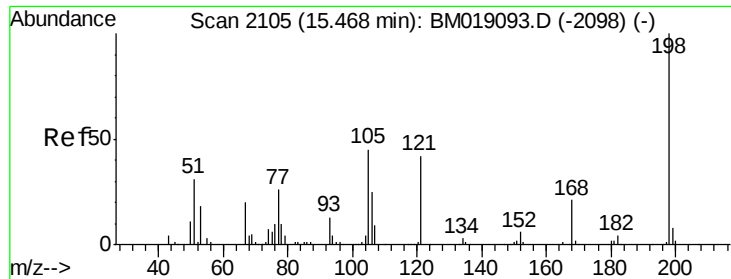


Abundance Ion 188.00 (187.70 to 188.70): BM019099.D (-2361) (-)

Ion 94.00 (93.70 to 94.70): BM019099.D (-2361) (-)

Ion 80.00 (79.70 to 80.70): BM019099.D (-2361) (-)





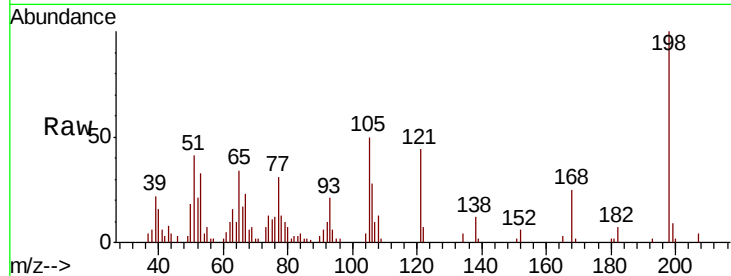
#65
4,6-Dinitro-2-methylphenol
Concen: 17.917 ng
RT: 15.46 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampled :
PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	35786		
51	41.0		17.3	57.3
105	50.1		26.2	66.2

Manual Integrations
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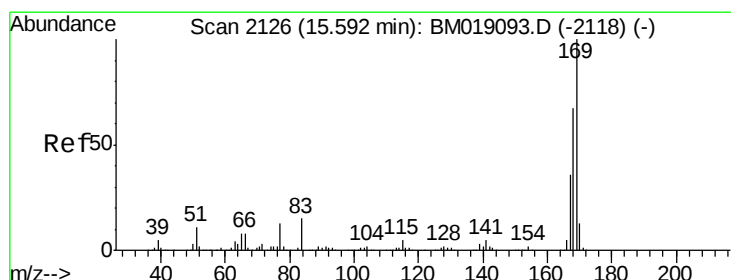
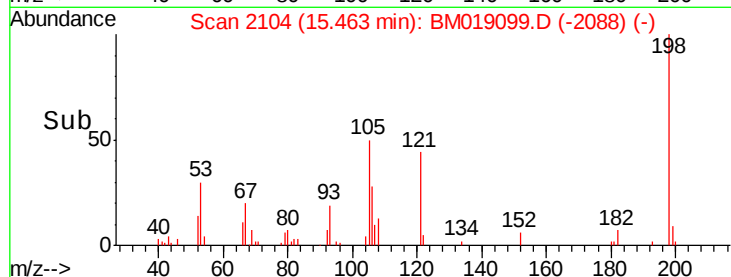
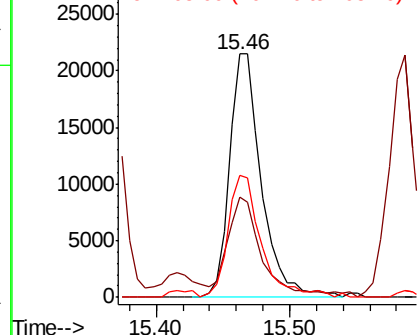


Abundance

Ion 198.00 (197.70 to 198.70): E

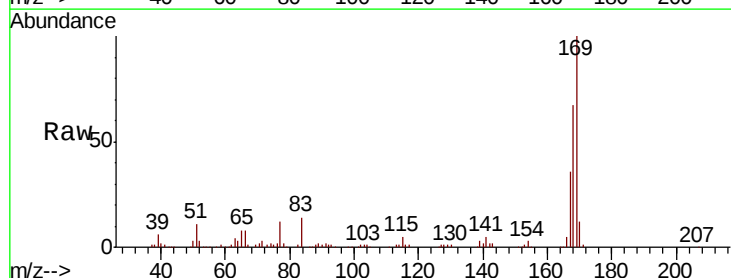
Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 26.213 ng
RT: 15.59 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	254357		
168	67.5		53.9	80.9
167	35.6		28.8	43.2

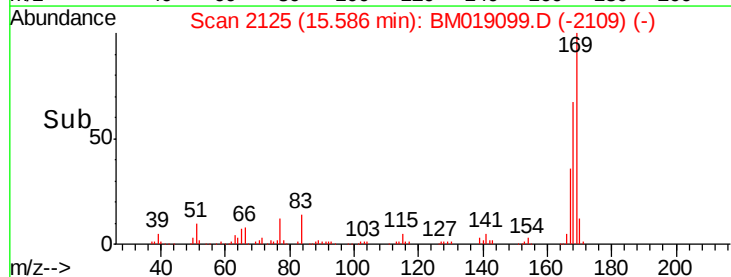
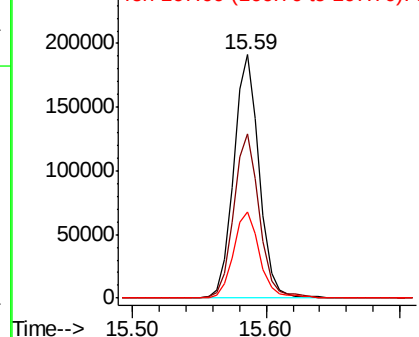


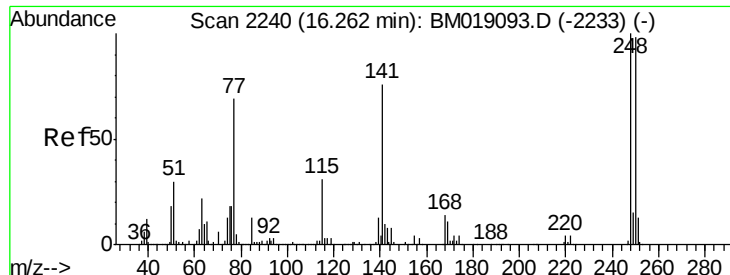
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





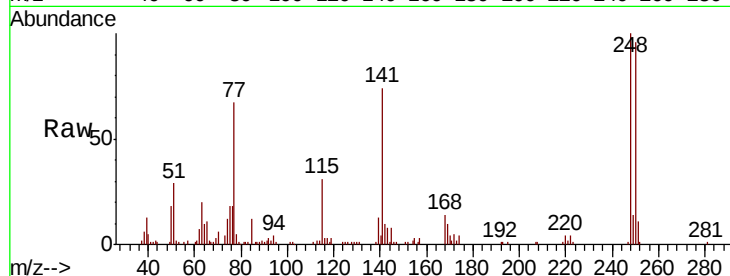
#67
4-Bromophenyl-phenylether
Concen: 24.793 ng
RT: 16.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	78.0	117.0
141	73.9	61.0	91.4

Manual Integrations
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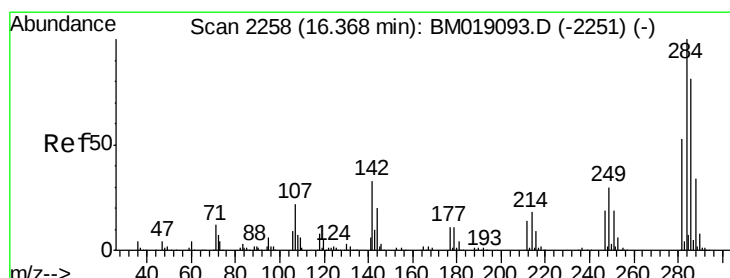
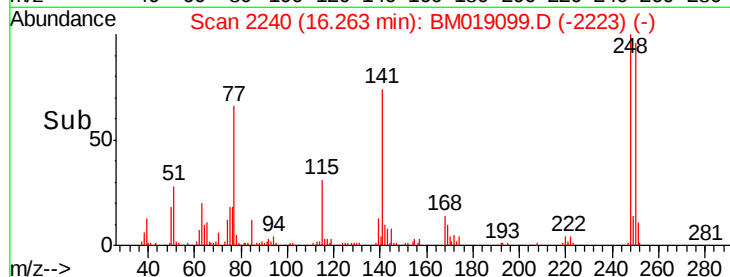
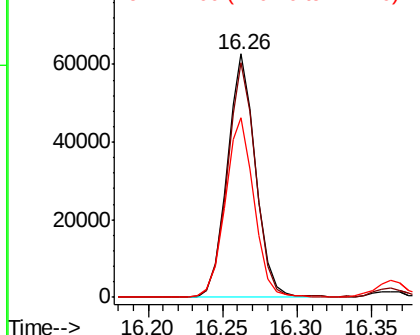


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 25.514 ng
RT: 16.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

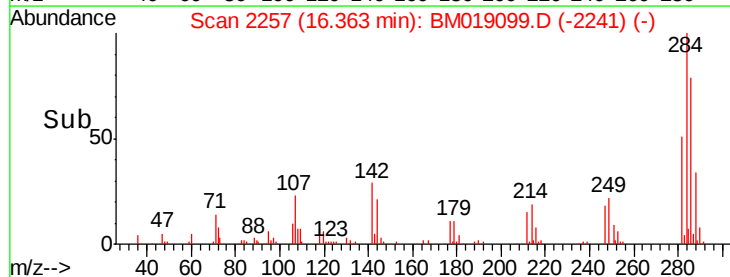
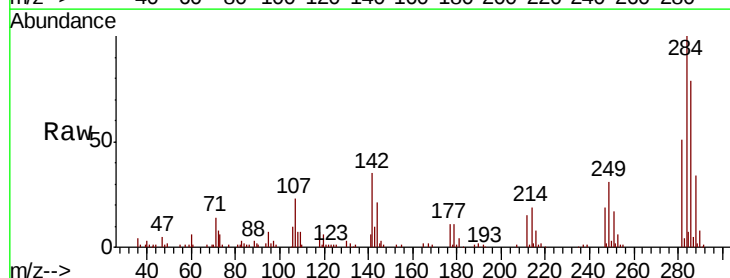
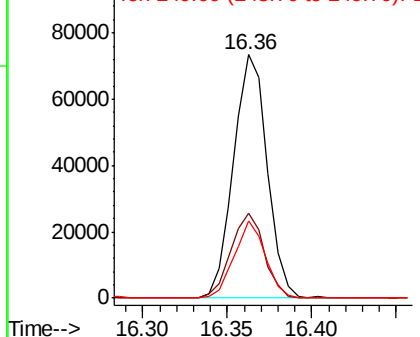
Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.0	26.3	39.5
249	31.5	24.1	36.1

Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





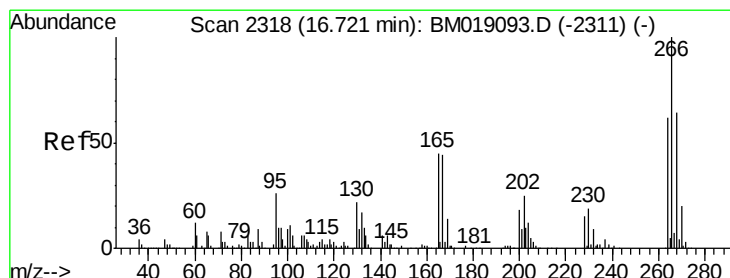
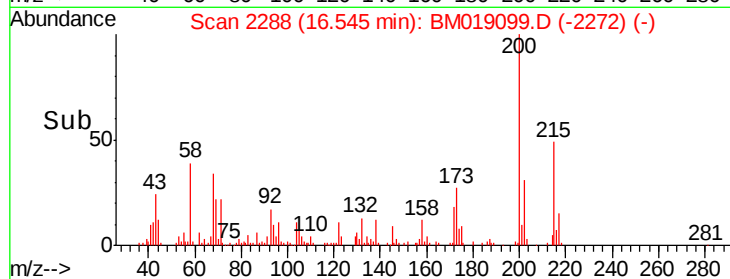
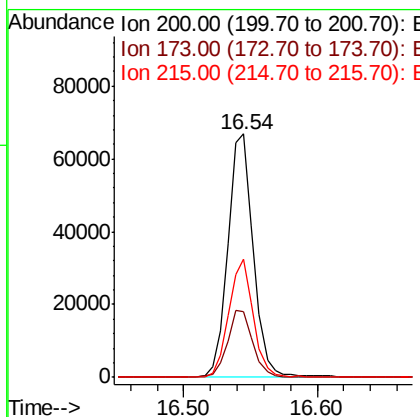
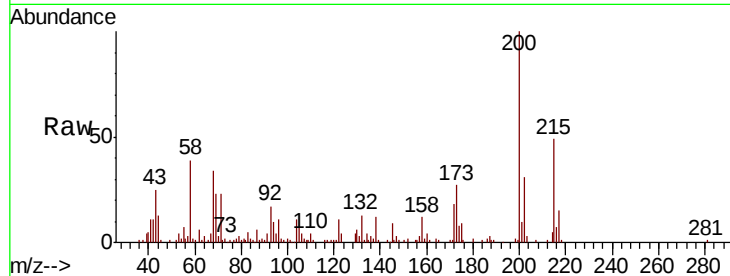
#69
 Atrazine
 Concen: 27.357 ng
 RT: 16.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampled :
 PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	89360		
173	27.2		7.0	47.0
215	48.6		27.7	67.7

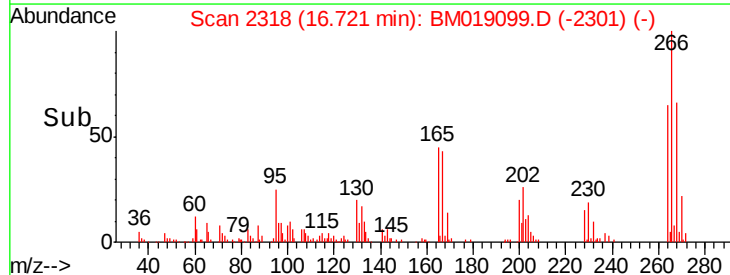
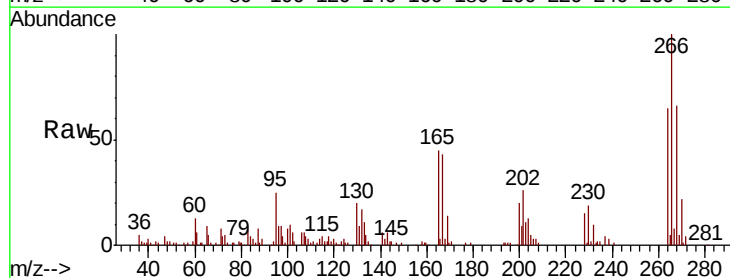
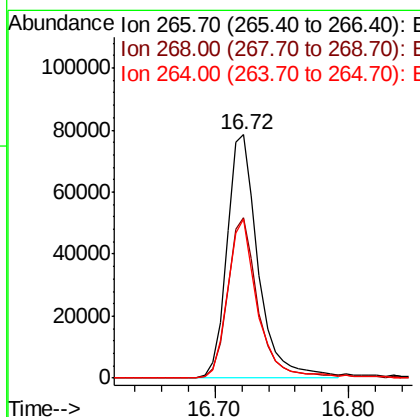
Manual Integrations
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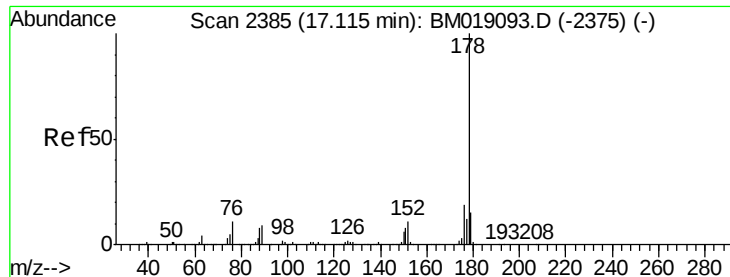
Sohil
 3/12/2019 4:45:16 PM



#70
 Pentachlorophenol
 Concen: 53.271 ng
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	128253		
268	66.0		51.3	76.9
264	65.2		50.0	75.0





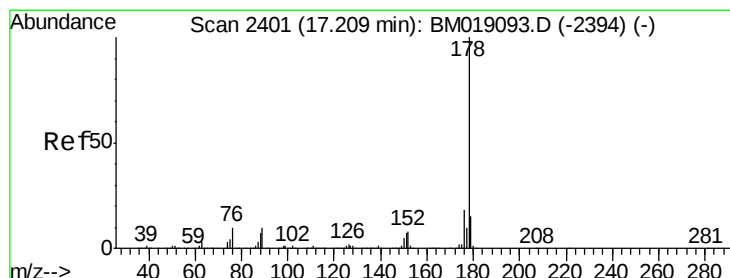
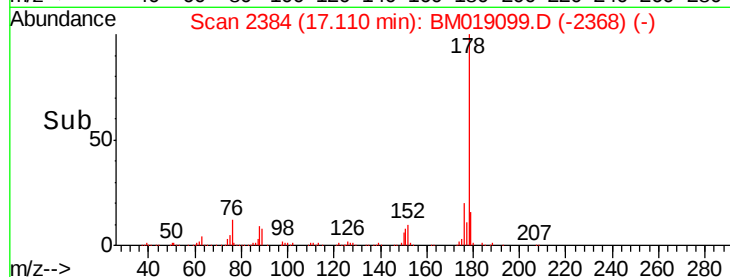
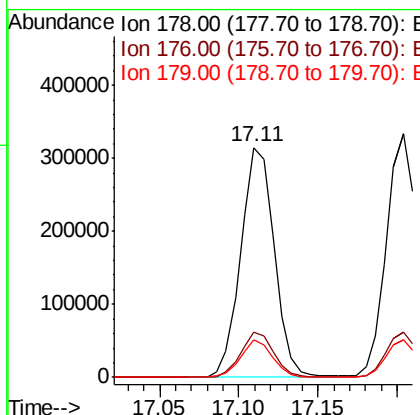
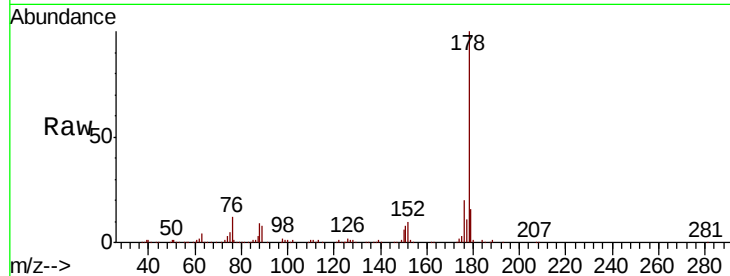
#71
Phenanthrene
Concen: 25.981 ng
RT: 17.11 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.2	12.2	18.2

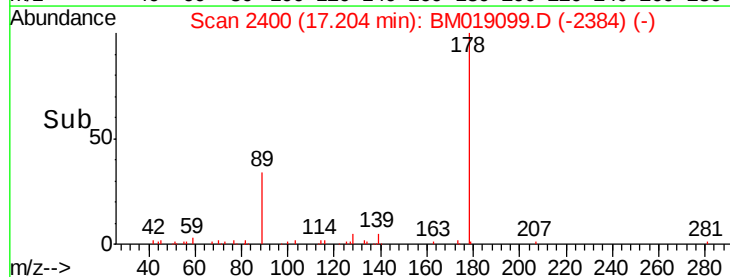
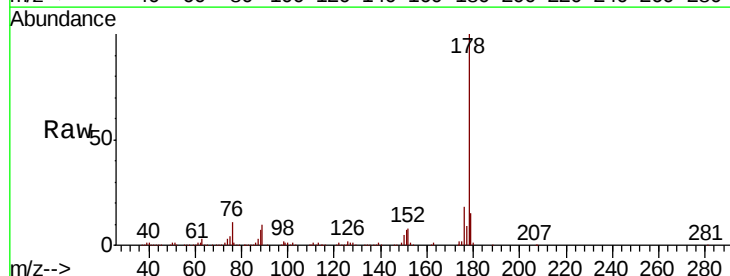
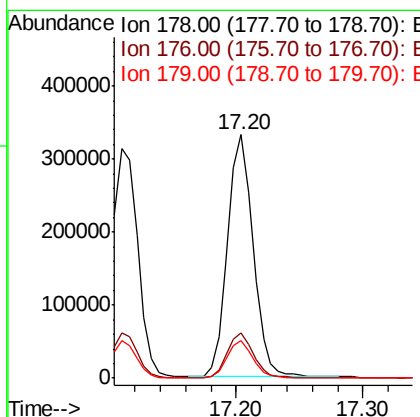
Manual Integrations
APPROVED

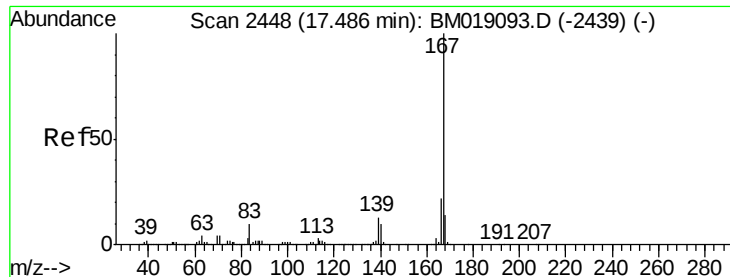
Sohil
3/12/2019 4:45:16 PM



#72
Anthracene
Concen: 26.515 ng
RT: 17.20 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.3	11.9	17.9





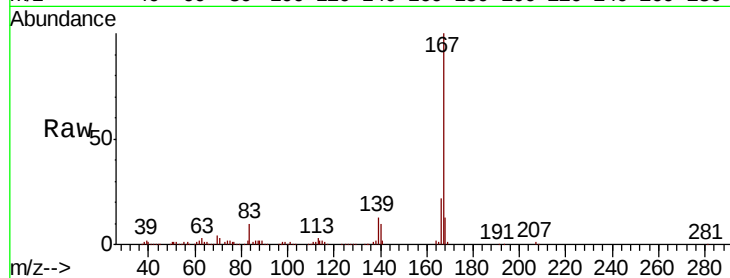
#73
 Carbazole
 Concen: 27.258 ng
 RT: 17.49 min Scan# 2448
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

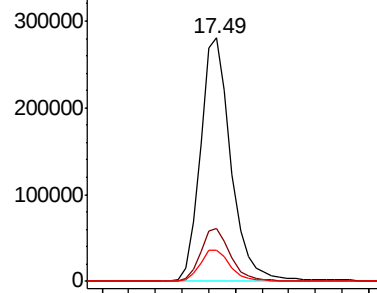
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.8
139	12.7	10.5	15.7

Manual Integrations
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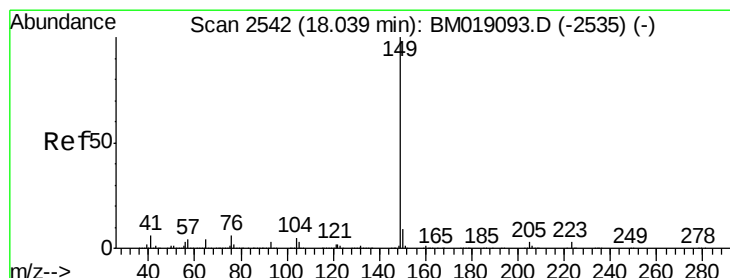
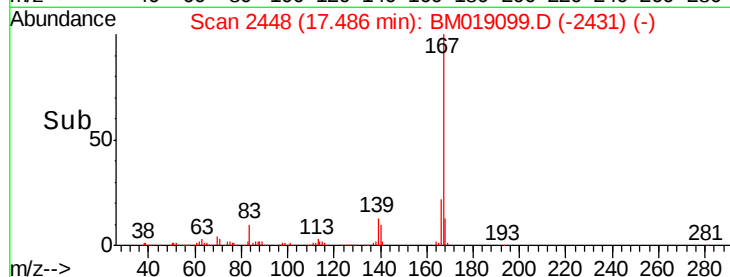
Sohil
 3/12/2019 4:45:16 PM



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

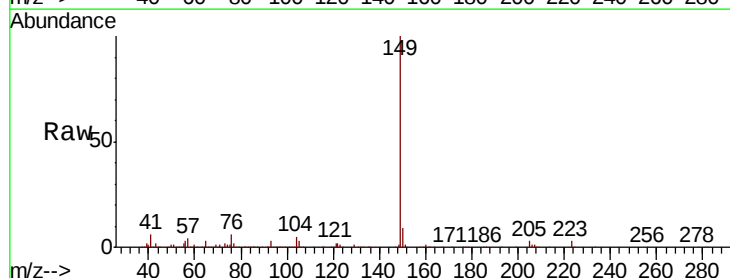


Time--> 17.40 17.50

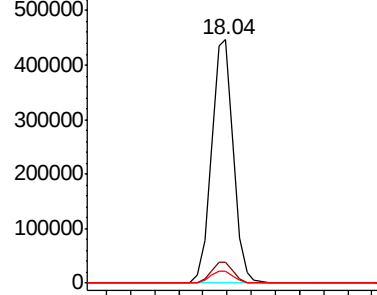


#74
 Di-n-butylphthalate
 Concen: 28.058 ng
 RT: 18.04 min Scan# 2542
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

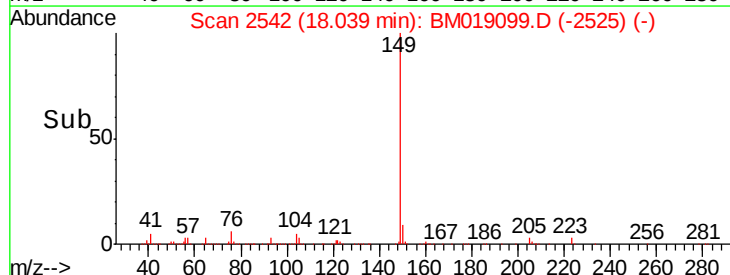
Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.0
104	4.9	4.2	6.4

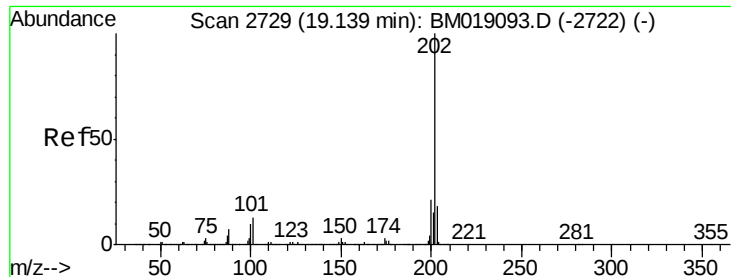


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E



Time--> 18.00 18.10





#75

Fluoranthene

Concen: 27.530 ng

RT: 19.13 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

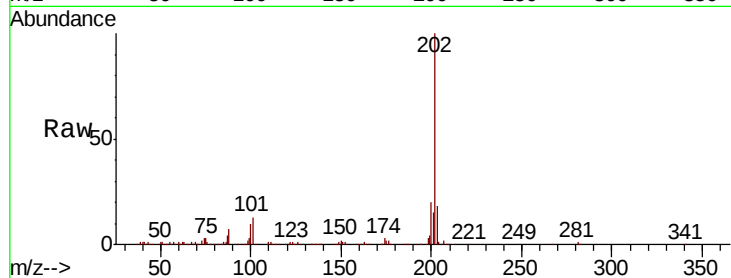
ClientSampleId :

PB117788BS

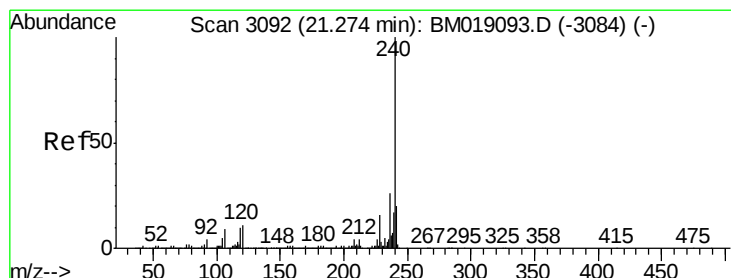
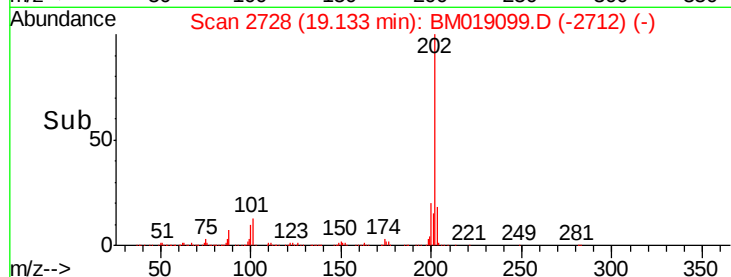
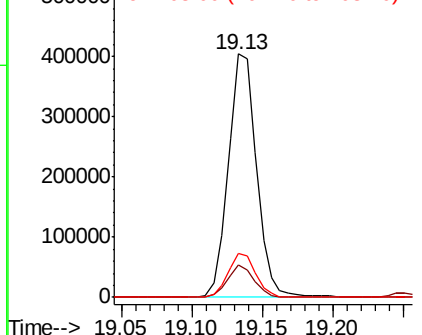
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.0
203	17.9	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

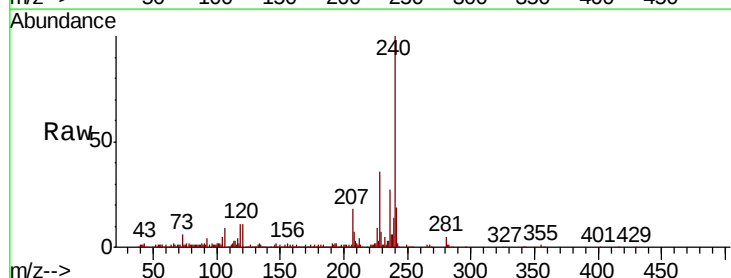
RT: 21.27 min Scan# 3091

Delta R.T. -0.01 min

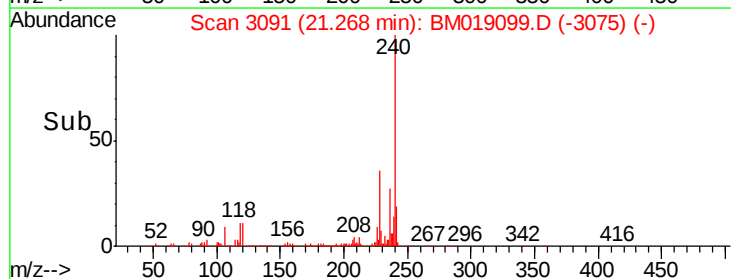
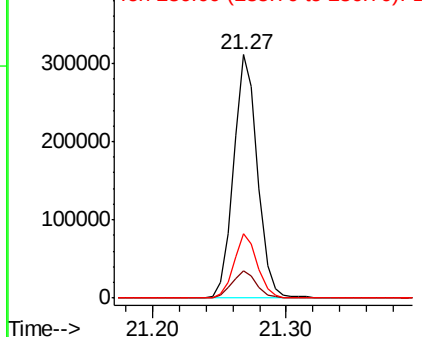
Lab File: BM019099.D

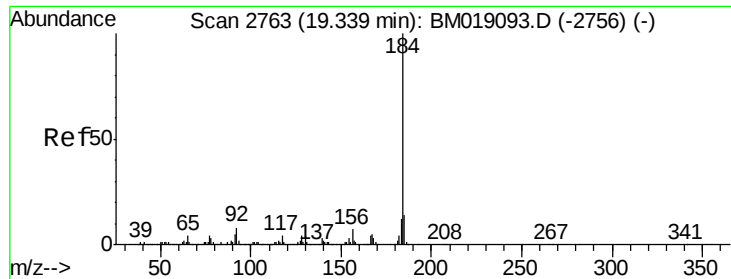
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.6	21.0	31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 30.245 ng

RT: 19.34 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

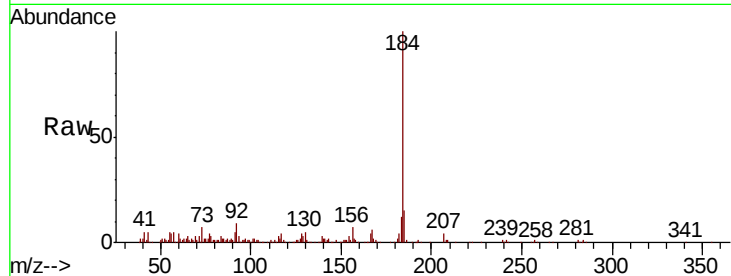
ClientSampleId :

PB117788BS

Tot Ion:	184	Resp:	333292
Ion Ratio	Lower	Upper	
184	100		
185	14.9	11.0	16.4
183	12.1	9.8	14.6

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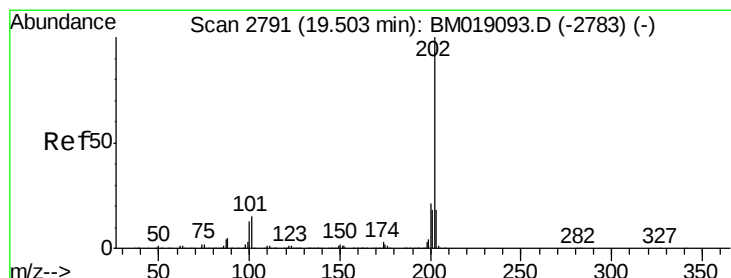
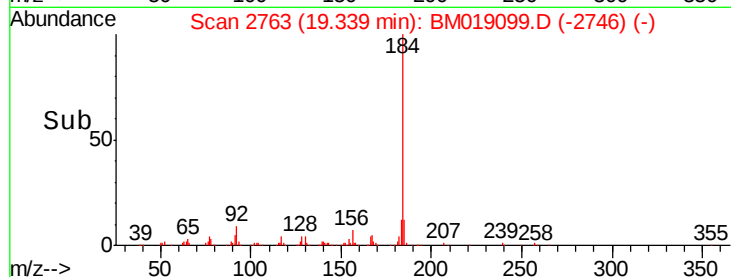
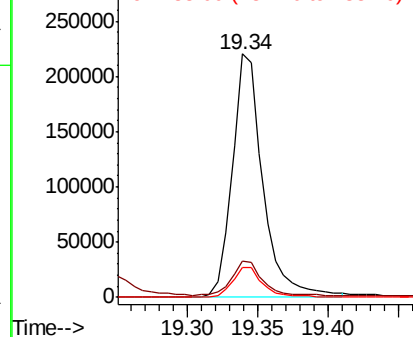


Abundance

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: 23.929 ng

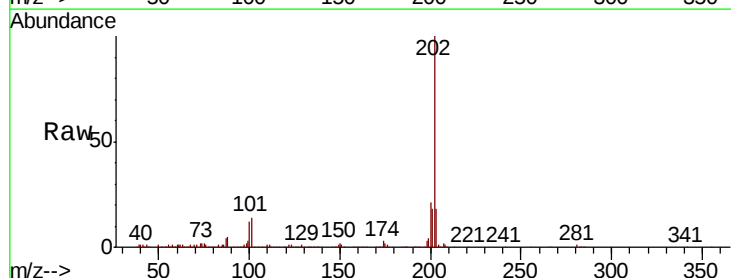
RT: 19.50 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	202	Resp:	588279
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	17.5	14.0	21.0

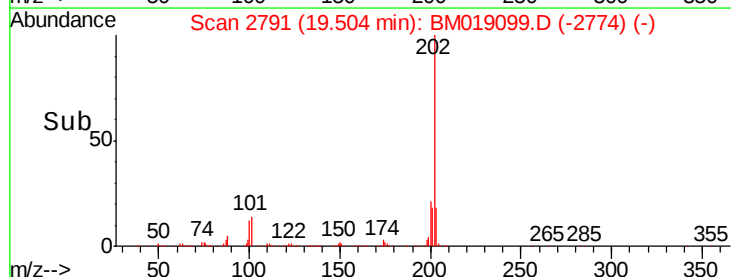
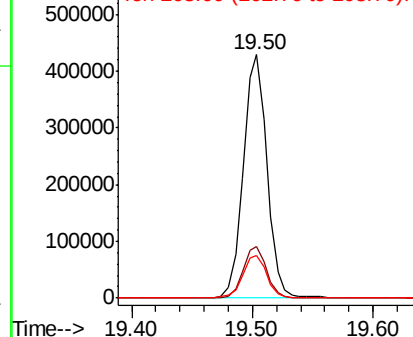


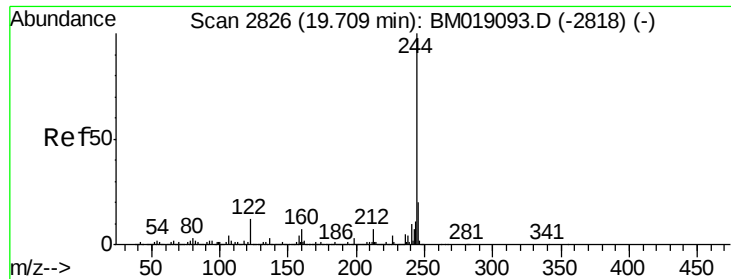
Abundance

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: 47.677 ng

RT: 19.70 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

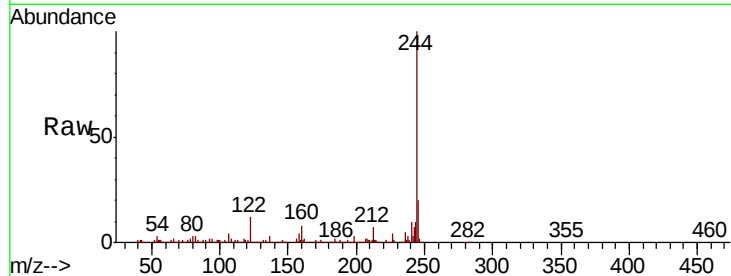
ClientSampleId :

PB117788BS

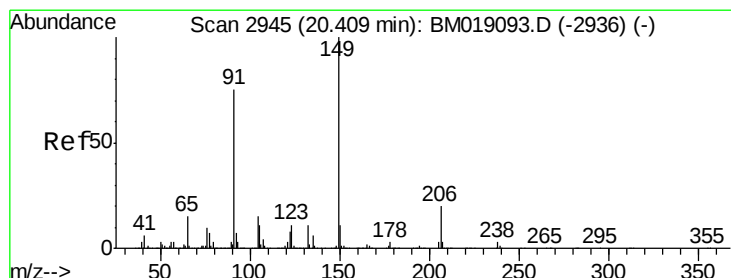
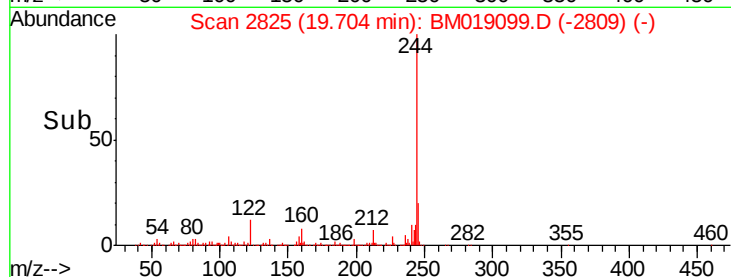
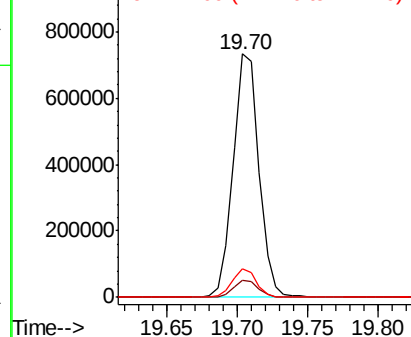
Tot Ion:	244	Resp:	933156
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.2
122	11.7	9.4	14.2

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



#80

Butylbenzylphthalate

Concen: 26.762 ng

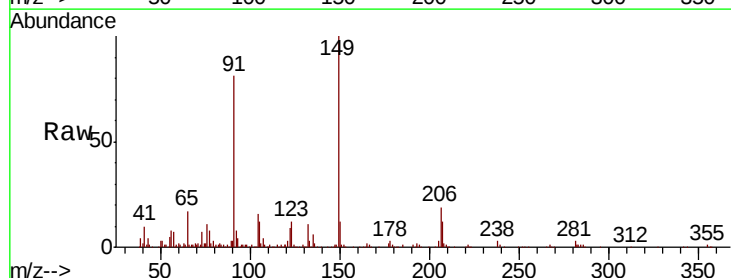
RT: 20.40 min Scan# 2944

Delta R.T. -0.01 min

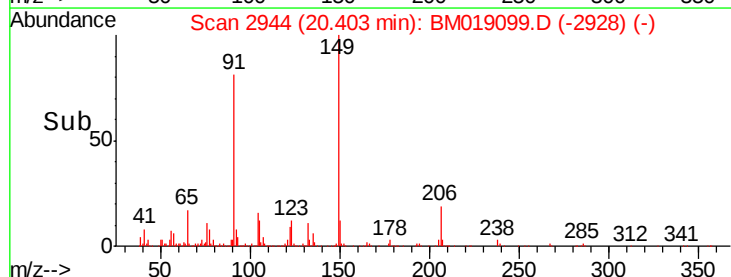
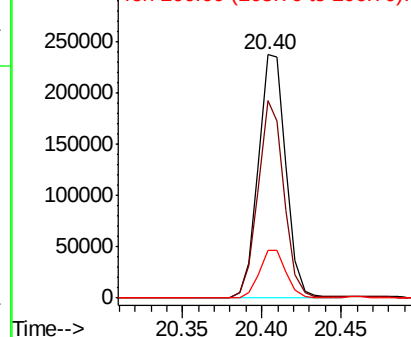
Lab File: BM019099.D

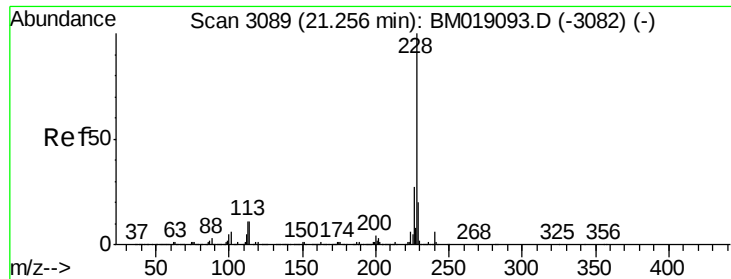
Acq: 11 Mar 2019 18:49

Tgt Ion:	149	Resp:	286570
Ion Ratio	Lower	Upper	
149	100		
91	81.1	60.1	90.1
206	19.5	16.2	24.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 25.469 ng

RT: 21.26 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

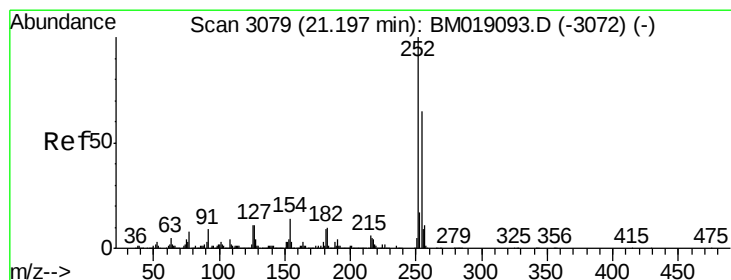
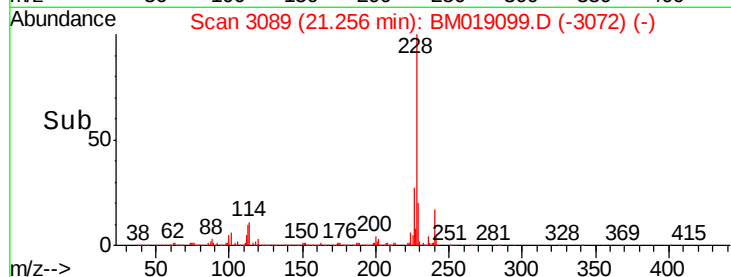
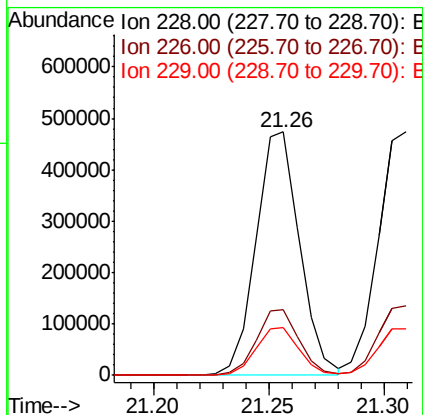
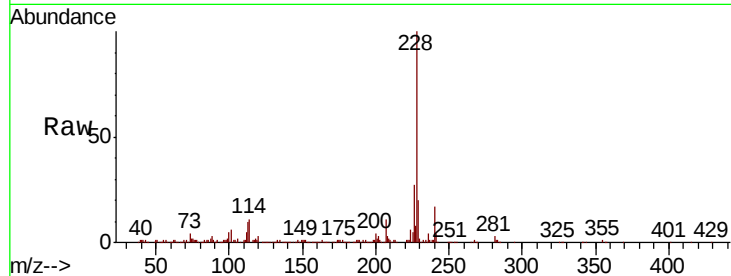
ClientSampleId :

PB117788BS

Tot Ion:	228	Resp:	620848
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.8	32.8
229	19.5	15.8	23.6

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 14.614 ng

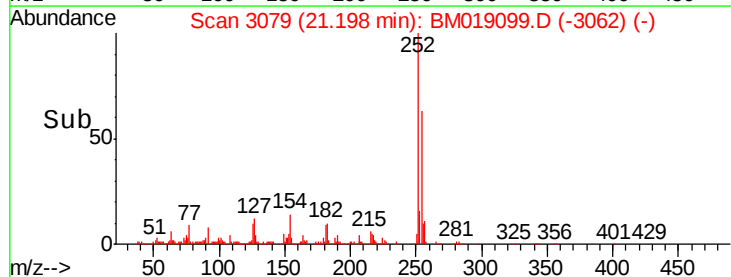
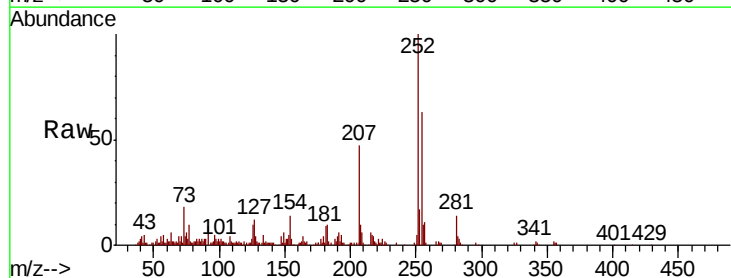
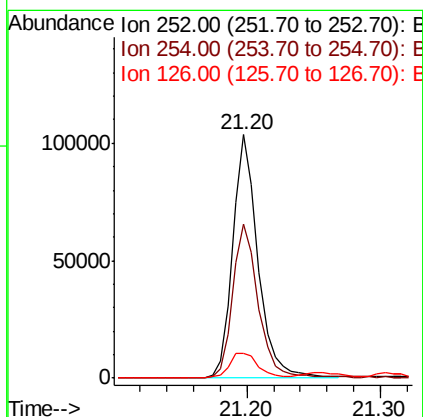
RT: 21.20 min Scan# 3079

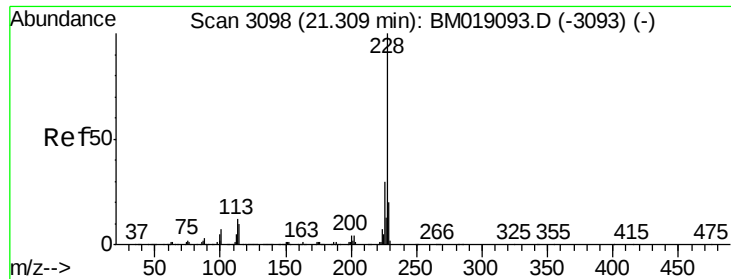
Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	252	Resp:	137240
Ion Ratio	Lower	Upper	
252	100		
254	63.3	52.4	78.6
126	10.2	9.0	13.6





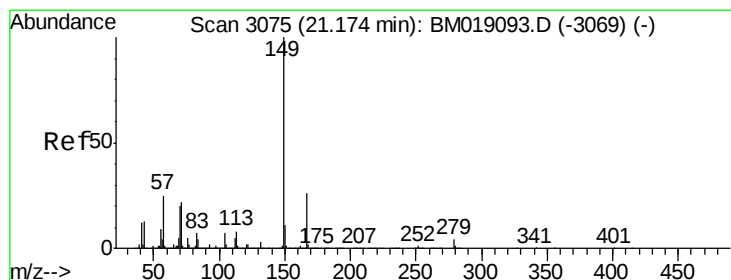
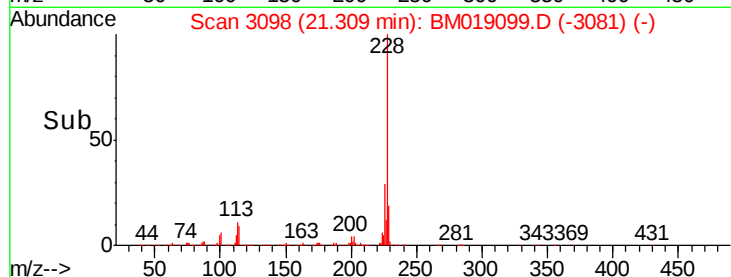
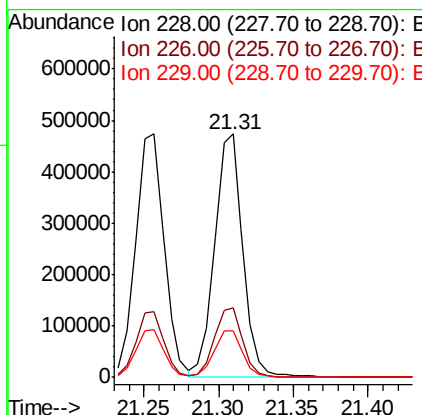
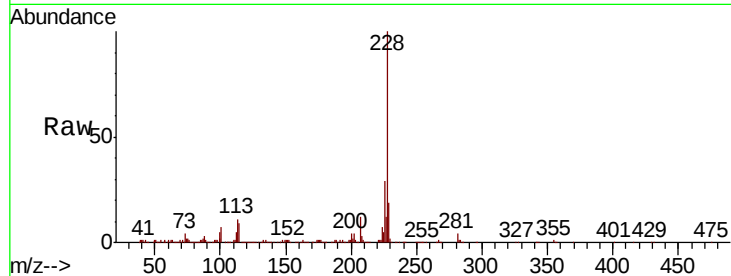
#83
 Chrvsene
 Concen: 26.455 ng
 RT: 21.31 min Scan# 3098
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Instrument :
 BNA_M
 ClientSampleId :
 PB117788BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.8	35.8
229	19.1	15.7	23.5

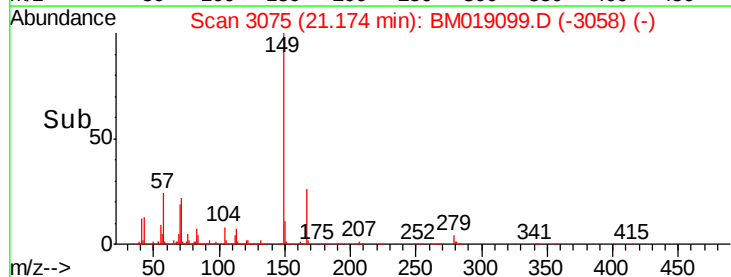
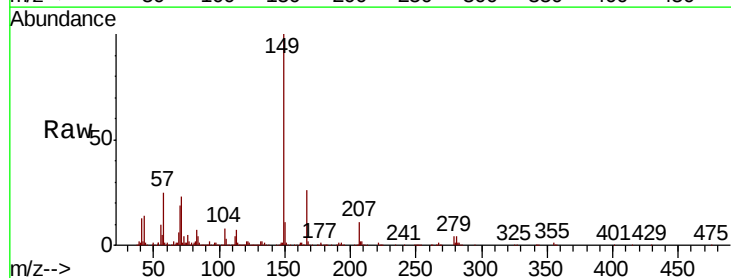
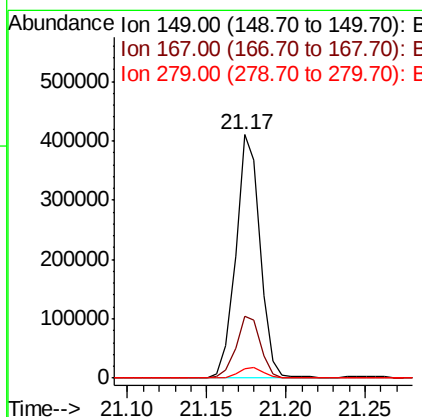
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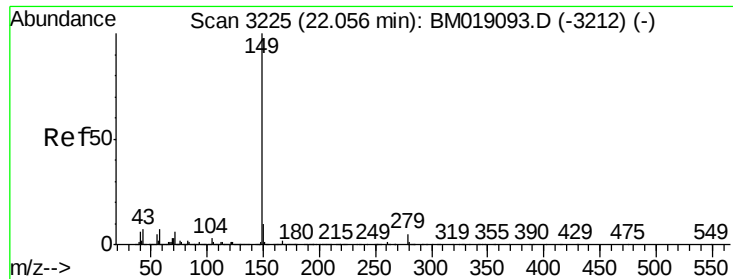
Sohil
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 27.627 ng
 RT: 21.17 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BM019099.D
 Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.1	31.7
279	3.6	3.2	4.8





#85

Di-n-octyl phthalate

Concen: 30.021 ng

RT: 22.06 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Instrument :

BNA_M

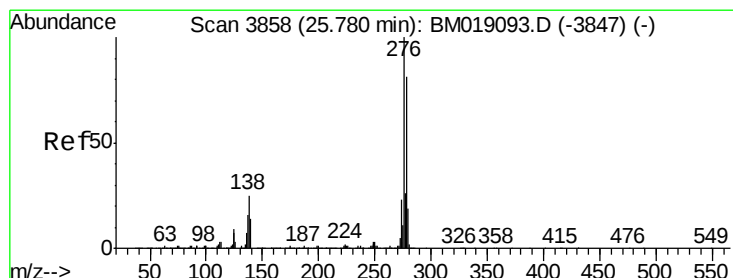
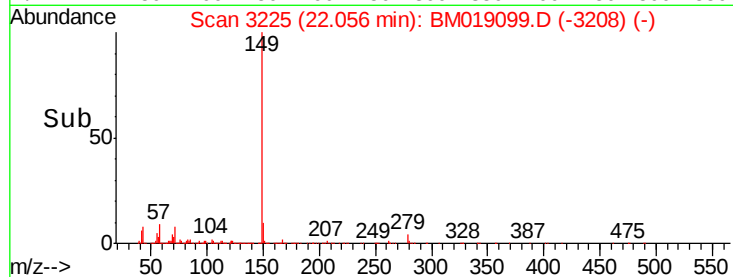
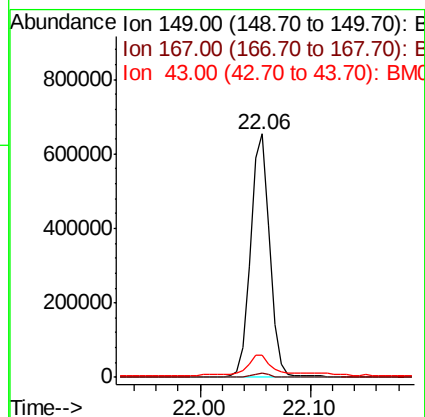
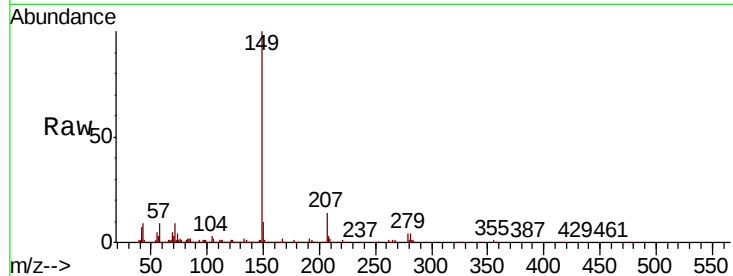
ClientSampleId :

PB117788BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	787510		
167	1.8	1.3	1.9	
43	13.1	6.1	9.1	

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#86

Indeno(1,2,3-cd)pyrene

Concen: 40.529 ng

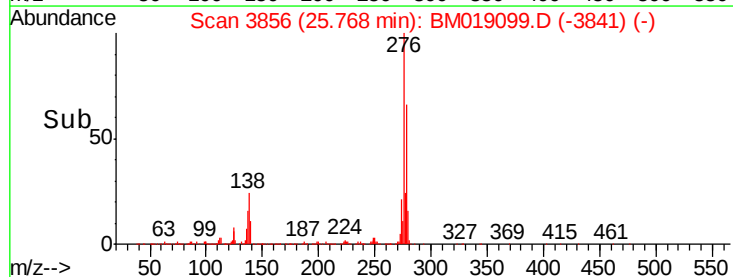
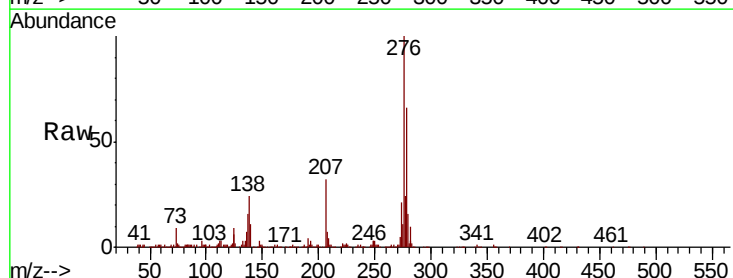
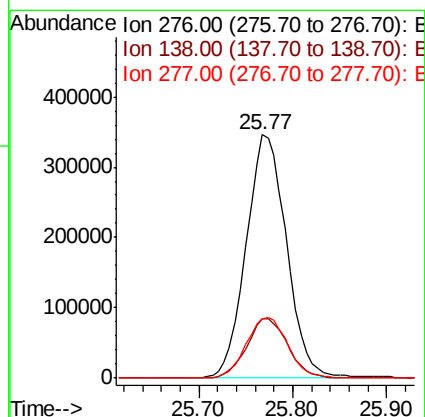
RT: 25.77 min Scan# 3856

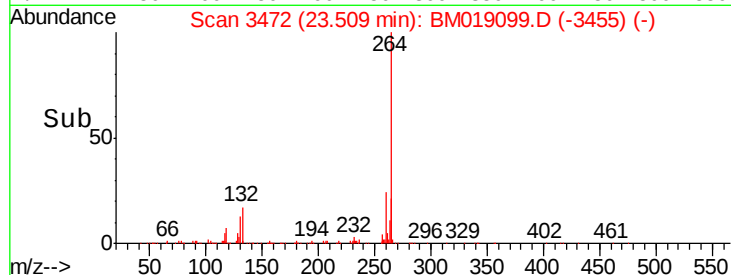
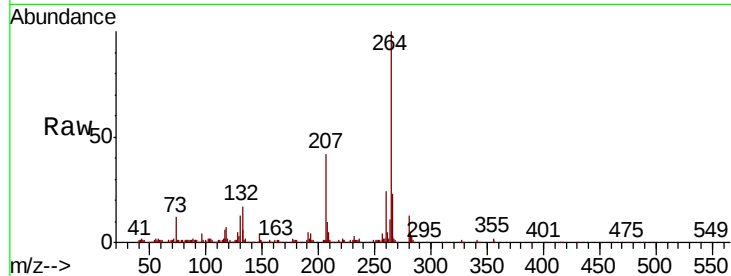
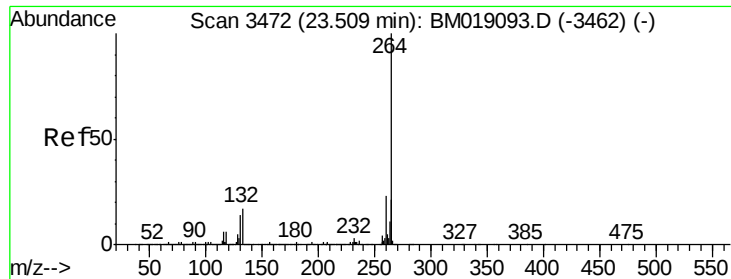
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1028888		
138	24.9	19.8	29.8	
277	25.4	20.3	30.5	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.51 min Scan# 3472

Delta R.T. 0.00 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tot Ion:	264	Resp:	486642
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	22.5	17.3	25.9

Instrument :

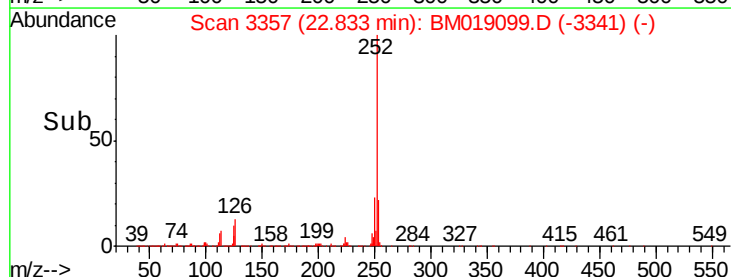
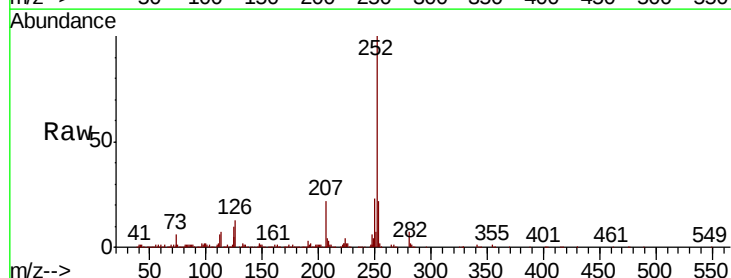
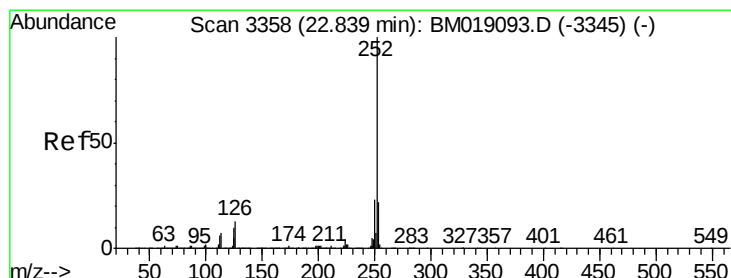
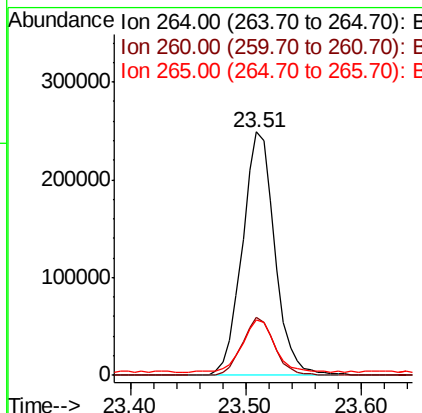
BNA_M

ClientSampleId :

PB117788BS

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#88

Benzo(b)fluoranthene

Concen: 24.065 ng

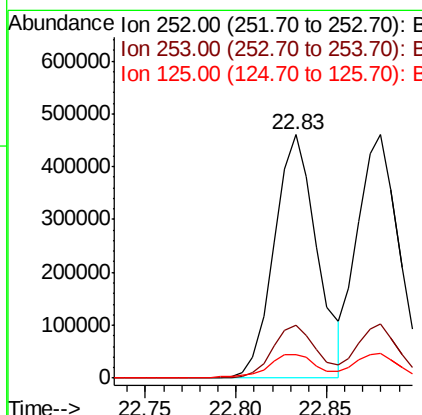
RT: 22.83 min Scan# 3357

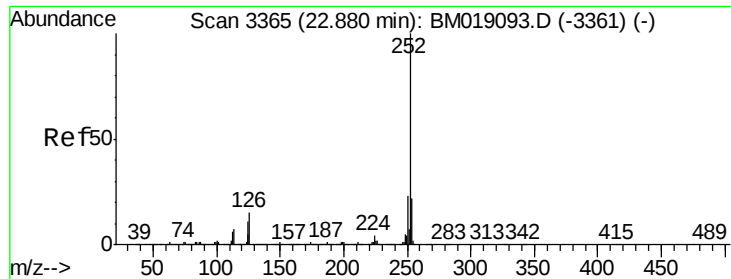
Delta R.T. -0.01 min

Lab File: BM019099.D

Acq: 11 Mar 2019 18:49

Tgt Ion:	252	Resp:	758837
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	9.9	8.1	12.1





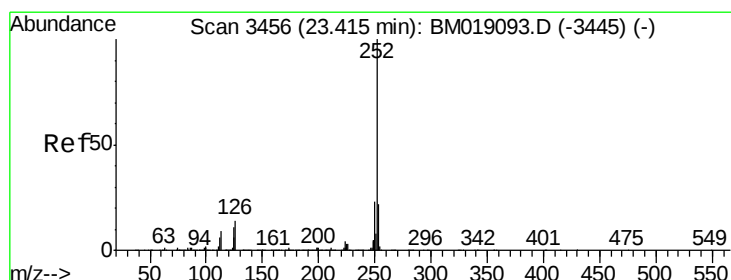
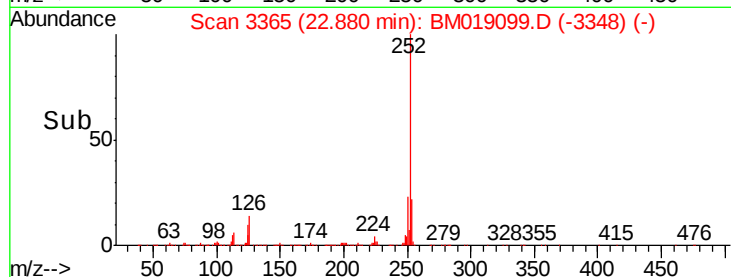
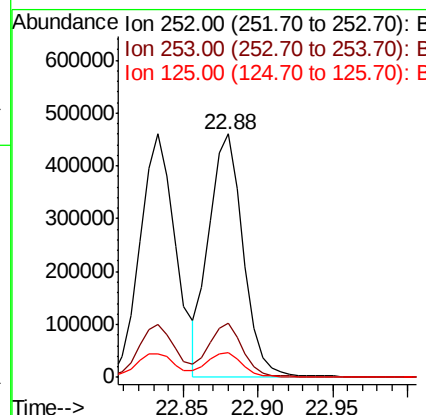
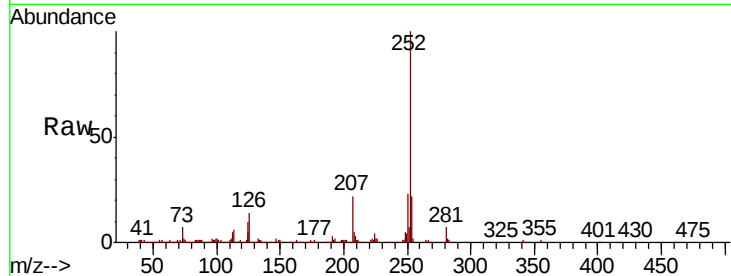
#89
Benzo(k)fluoranthene
Concen: 25.223 ng
RT: 22.88 min Scan# 3365
Delta R.T. 0.00 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	8.8	13.2

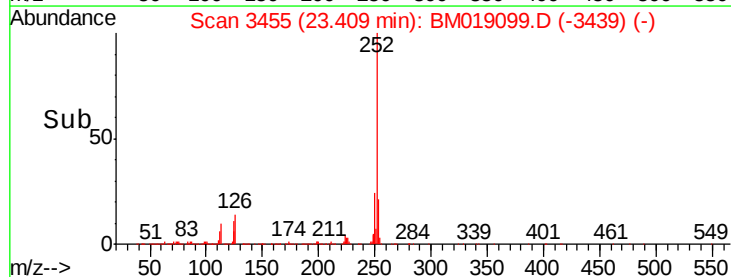
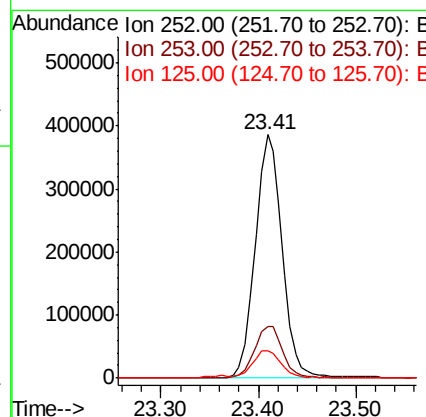
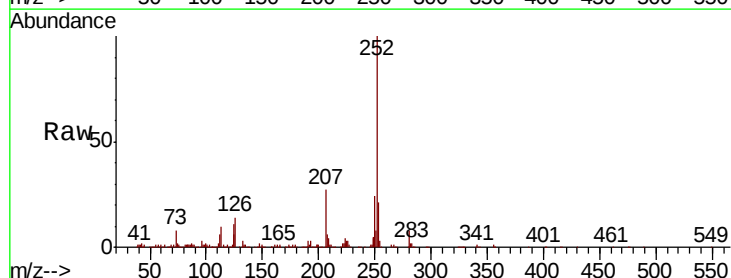
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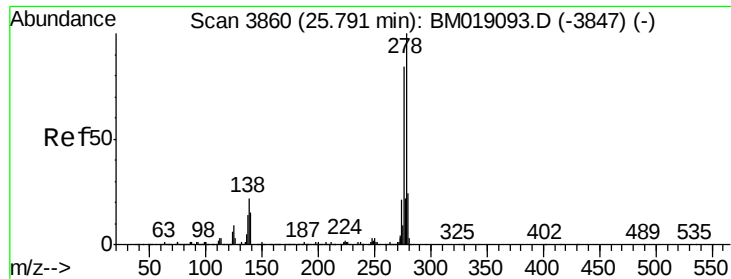
Sohil
3/12/2019 4:45:16 PM



#90
Benzo(a)pyrene
Concen: 26.392 ng
RT: 23.41 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	11.1	9.2	13.8





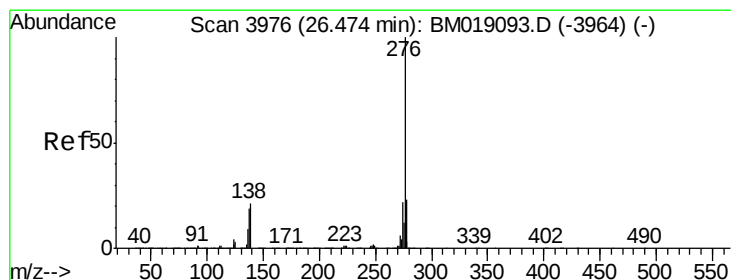
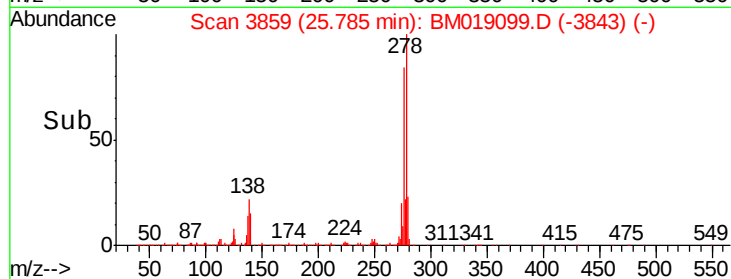
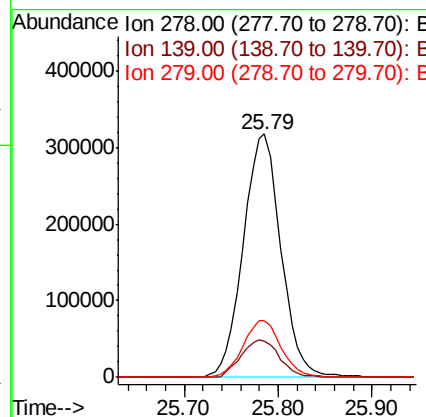
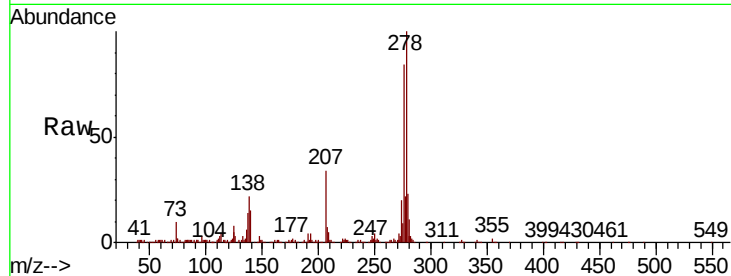
#91
Dibenzo(a,h)anthracene
Concen: 32.548 ng
RT: 25.79 min Scan# 3859
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Instrument :
BNA_M
ClientSampleId :
PB117788BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.3	18.5
279	23.5	18.9	28.3

Manual Integrations
APPROVED

Sohil
3/12/2019 4:45:16 PM



#92
Benzo(g,h,i)perylene
Concen: 34.821 ng
RT: 26.47 min Scan# 3975
Delta R.T. -0.01 min
Lab File: BM019099.D
Acq: 11 Mar 2019 18:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	20.2	17.0	25.4

