

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
 Data File : BM015828.D
 Acq On : 07 Jul 2018 07:24
 Operator : SJ/JU
 Sample : J3820-02MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Manual Integrations
 APPROVED

Sohil
 7/9/2018 1:56:06 PM

Quant Time: Jul 09 01:08:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 05 17:39:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	120697	20.00	ng	-0.01
21) Naphthalene-d8	11.13	136	502868	20.00	ng	-0.01
38) Acenaphthene-d10	14.93	164	279138	20.00	ng	0.00
63) Phenanthrene-d10	17.65	188	595216	20.00	ng	0.00
75) Chrysene-d12	21.76	240	460672	20.00	ng	-0.01
86) Perylene-d12	24.16	264	366449	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.81	112	965998	137.26	ng	0.00
7) Phenol-d6	7.46	99	1121786	116.43	ng	0.00
23) Nitrobenzene-d5	9.50	82	995555	96.59	ng	0.00
41) 2,4,6-Tribromophenol	16.41	330	579107	158.78	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	2168128	96.43	ng	0.00
78) Terphenyl-d14	20.22	244	2981899	120.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.59	88	103216	35.461	ng	# 100
3) Pyridine	4.02	79	251554	32.751	ng	# 79
4) n-Nitrosodimethylamine	3.93	42	239619	40.066	ng	# 45
6) Aniline	7.63	93	190917	16.344	ng	92
8) 2-Chlorophenol	7.87	128	404134	47.845	ng	96
9) Benzaldehyde	7.45	77	116368	19.163	ng	92
10) Phenol	7.49	94	384048	39.669	ng	94
11) bis(2-Chloroethyl)ether	7.72	93	347775	44.160	ng	87
12) 1,3-Dichlorobenzene	8.19	146	416192	44.441	ng	# 90
13) 1,4-Dichlorobenzene	8.34	146	430576	44.461	ng	# 94
14) 1,2-Dichlorobenzene	8.66	146	419691	44.810	ng	# 94
15) Benzyl Alcohol	8.56	79	372793	44.568	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	8.83	45	545269	63.396	ng	97
17) 2-Methylphenol	8.76	107	312089	46.530	ng	# 87
18) Hexachloroethane	9.39	117	174599	45.595	ng	94
19) n-Nitroso-di-n-propylamine	9.13	70	328293	42.397	ng	# 80
20) 3+4-Methylphenols	9.09	107	415500	44.598	ng	89
22) Acetophenone	9.15	105	612761	46.776	ng	# 88
24) Nitrobenzene	9.54	77	502922	50.129	ng	98
25) Isophorone	10.06	82	847750	53.890	ng	# 94
26) 2-Nitrophenol	10.25	139	215640	49.916	ng	# 62
27) 2,4-Dimethylphenol	10.30	122	365821	55.741	ng	86
28) bis(2-Chloroethoxy)methane	10.53	93	490639	47.873	ng	98
29) 2,4-Dichlorophenol	10.79	162	382404	52.610	ng	97
30) 1,2,4-Trichlorobenzene	10.99	180	408202	48.351	ng	96
31) Naphthalene	11.19	128	1278512	49.038	ng	100
32) Benzoic acid	10.49	122	209161	35.997	ng	86
33) 4-Chloroaniline	11.30	127	76646	7.211	ng	# 86
34) Hexachlorobutadiene	11.45	225	261818	46.468	ng	98
35) Caprolactam	12.11	113	75377m	31.269	ng	
36) 4-Chloro-3-methylphenol	12.41	107	415892	49.866	ng	89
37) 2-Methylnaphthalene	12.77	142	944654	50.934	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	13.13	216	463300	51.713	ng	# 100
40) Hexachlorocyclopentadiene	13.10	237	498549	114.540	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.37	196	304935	53.845	nq	99
43) 2,4,5-Trichlorophenol	13.45	196	321107	52.489	nq	# 85
45) 1,1'-Biphenyl	13.77	154	1189912	49.304	nq	99
46) 2-Chloronaphthalene	13.82	162	919591	50.962	nq	# 91
47) 2-Nitroaniline	14.03	65	312524	49.665	nq	# 81
48) Acenaphthylene	14.66	152	1504302	51.247	nq	99
49) Dimethylphthalate	14.38	163	1194910	48.538	nq	100
50) 2,6-Dinitrotoluene	14.52	165	249900	52.063	nq	# 71
51) Acenaphthene	14.99	154	871269	47.699	nq	97
52) 3-Nitroaniline	14.84	138	102420	19.494	nq	# 79
53) 2,4-Dinitrophenol	15.06	184	246598	100.680	nq	# 89
54) Dibenzofuran	15.32	168	1414691	50.262	nq	# 88
55) 4-Nitrophenol	15.14	139	327537	84.473	nq	# 72
56) 2,4-Dinitrotoluene	15.30	165	353178	50.965	nq	93
57) Fluorene	15.97	166	1155292	49.775	nq	100
58) 2,3,4,6-Tetrachlorophenol	15.54	232	278965	54.039	nq	# 100
59) Diethylphthalate	15.72	149	1261304	47.811	nq	96
60) 4-Chlorophenyl-phenylether	15.94	204	578002	48.396	nq	# 88
61) 4-Nitroaniline	16.00	138	211876	38.874	nq	# 39
62) Azobenzene	16.24	77	1300381	52.585	nq	82
64) 4,6-Dinitro-2-methylphenol	16.06	198	169185	46.756	nq	87
65) n-Nitrosodiphenylamine	16.17	169	967317	47.429	nq	99
66) 4-Bromophenyl-phenylether	16.84	248	342172	51.487	nq	# 86
67) Hexachlorobenzene	16.96	284	371963	50.088	nq	# 83
68) Atrazine	17.10	200	350778	52.288	nq	98
69) Pentachlorophenol	17.30	266	399155	86.863	nq	98
70) Phenanthrene	17.70	178	1670634	49.060	nq	99
71) Anthracene	17.79	178	1701907	50.892	nq	99
72) Carbazole	18.06	167	1465515	47.028	nq	99
73) Di-n-butylphthalate	18.57	149	2035453	48.460	nq	# 98
74) Fluoranthene	19.67	202	1738410	44.407	nq	99
76) Benzidine	19.85	184	222218	16.464	nq	98
77) Pyrene	20.03	202	1701313	59.287	nq	99
79) Butylbenzylphthalate	20.88	149	786571	56.705	nq	# 84
80) Benzo(a)anthracene	21.74	228	1434962	49.129	nq	99
81) 3,3'-Dichlorobenzidine	21.67	252	264403	25.195	nq	99
82) Chrysene	21.80	228	1323030	48.626	nq	100
83) Bis(2-ethylhexyl)phthalate	21.63	149	1066497	52.035	nq	95
84) Di-n-octyl phthalate	22.54	149	1558571	46.636	nq	# 91
85) Indeno(1,2,3-cd)pyrene	26.64	276	1272018	50.319	nq	# 93
87) Benzo(b)fluoranthene	23.43	252	1211560	49.521	nq	# 96
88) Benzo(k)fluoranthene	23.48	252	1129058	47.507	nq	98
89) Benzo(a)pyrene	24.06	252	1089199	50.574	nq	99
90) Dibenzo(a,h)anthracene	26.64	278	1085543	56.022	nq	97
91) Benzo(g,h,i)perylene	27.40	276	1019435	59.877	nq	95

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

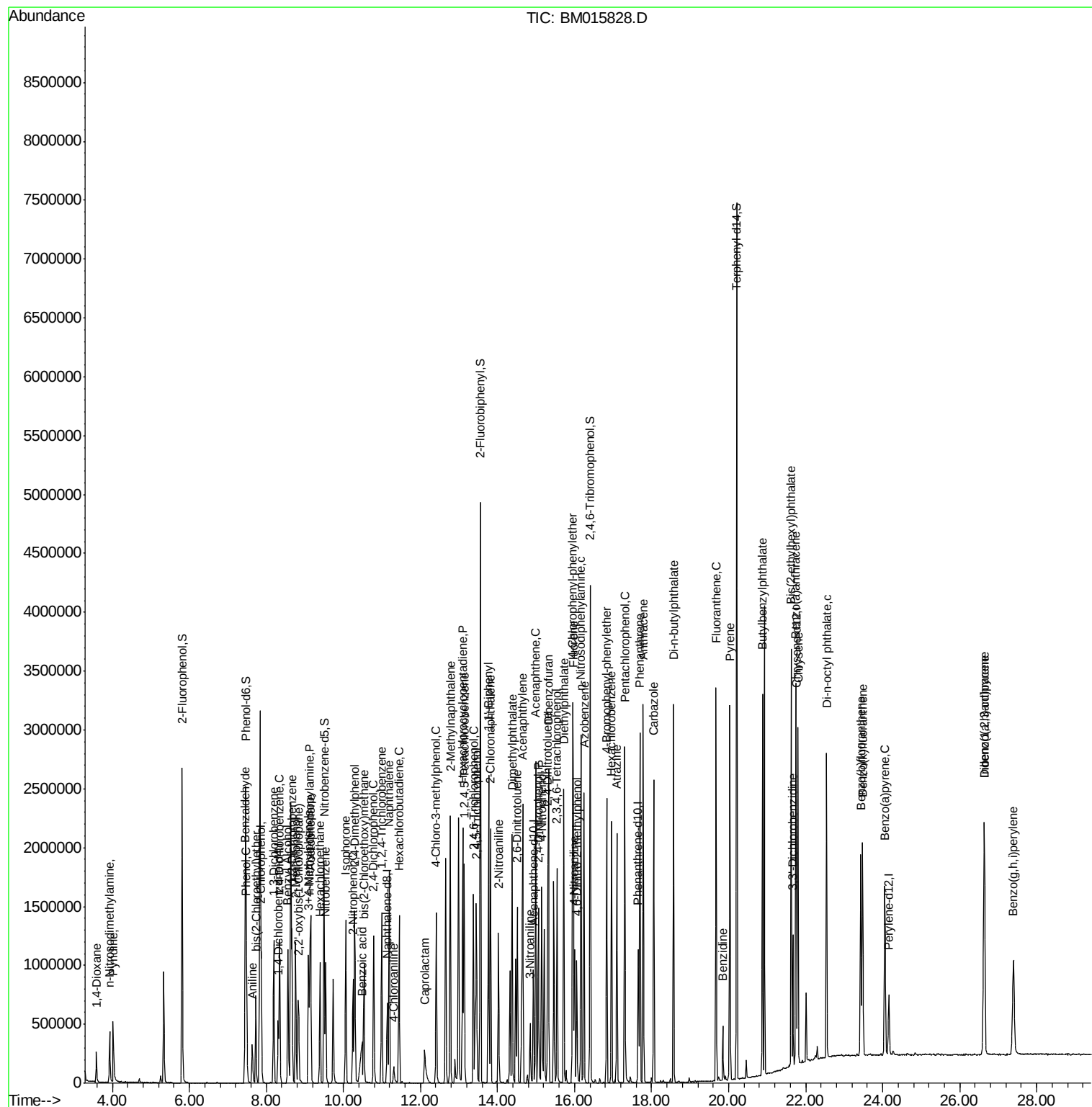
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
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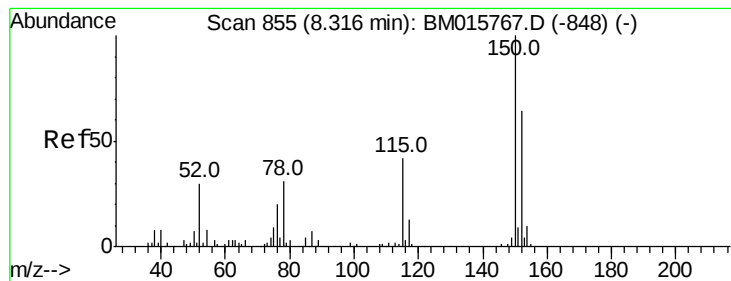
Instrument :
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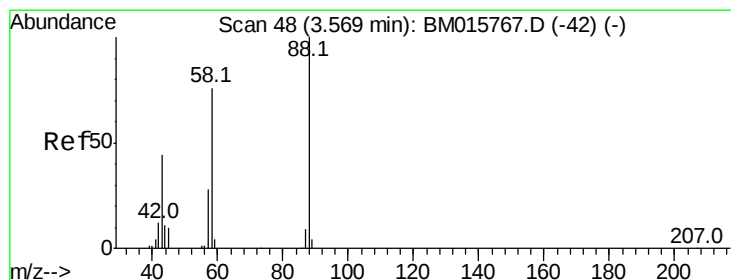
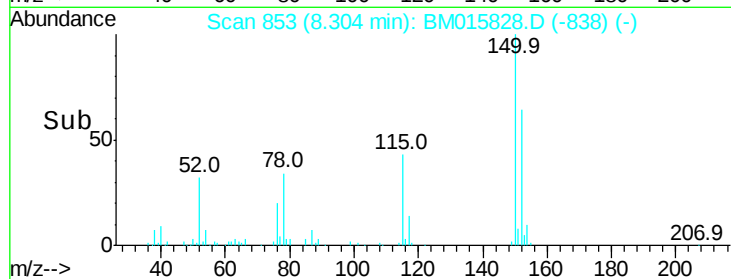
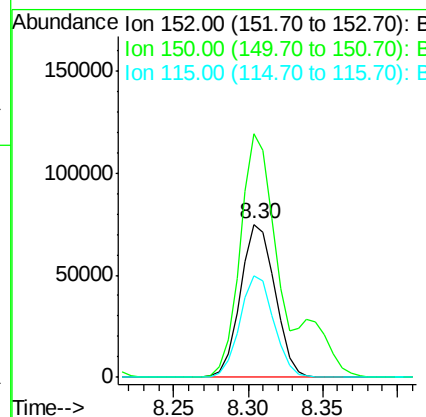
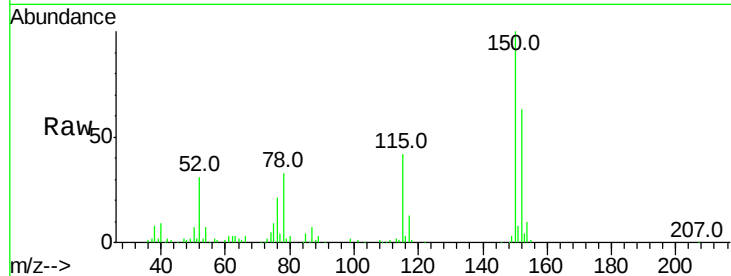
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	119.5	179.3
115	66.5	43.0	64.4

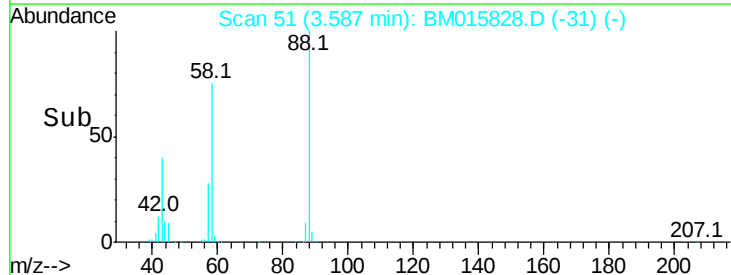
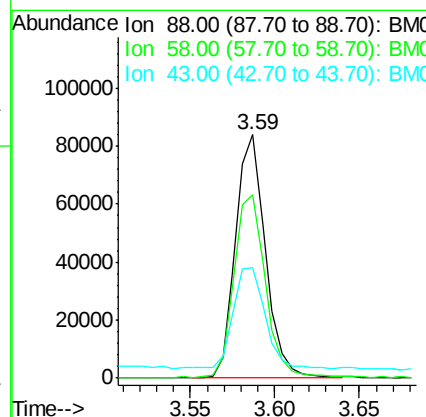
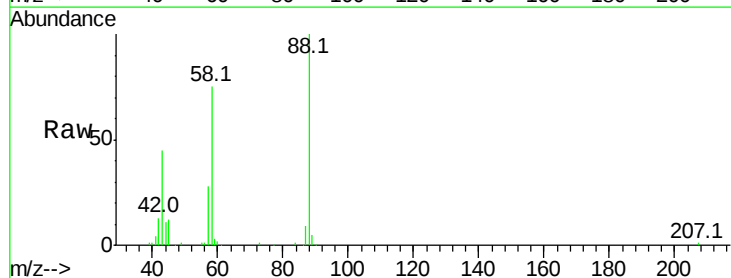
Manual Integrations
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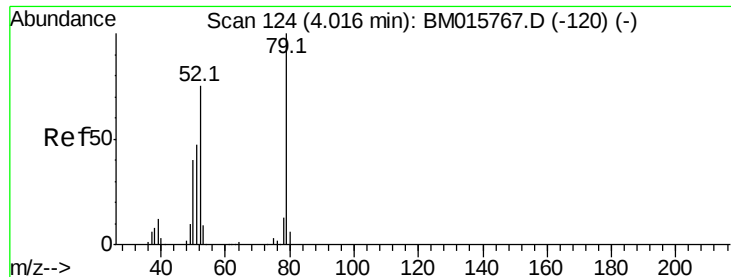
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#2
 1,4-Dioxane
 Concen: 35.461 ng
 RT: 3.59 min Scan# 51
 Delta R.T. 0.02 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.9	0.0	0.0
43	45.1	0.0	0.0





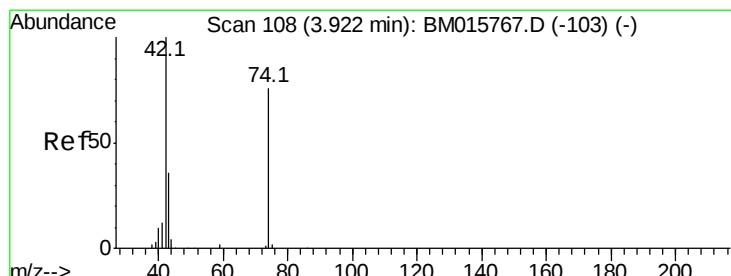
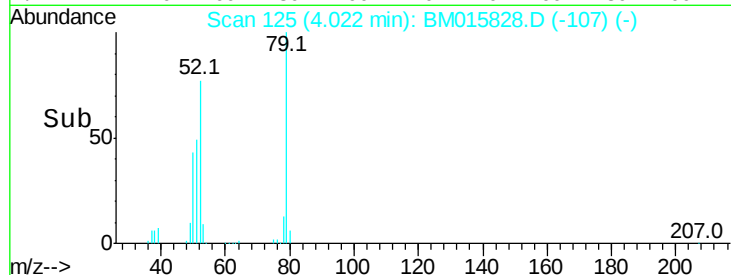
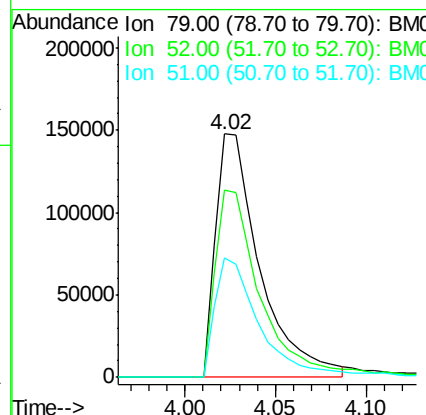
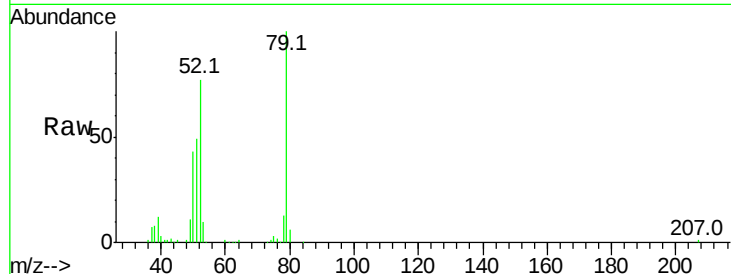
#3
 Pvridine
 Concen: 32.751 ng
 RT: 4.02 min Scan# 125
 Delta R.T. 0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	77.2	51.1	76.7#
51	49.0	26.1	39.1#

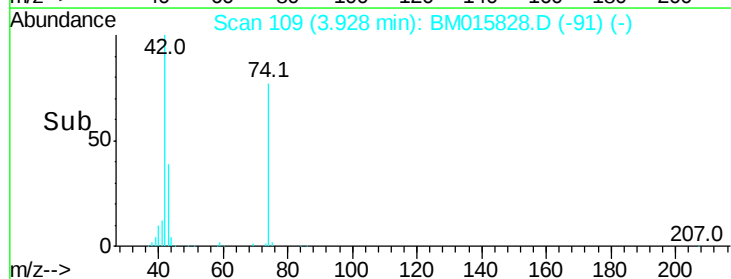
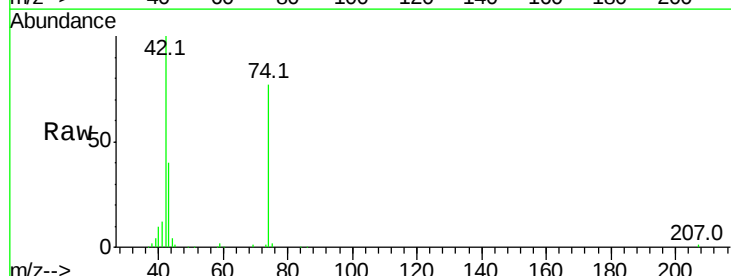
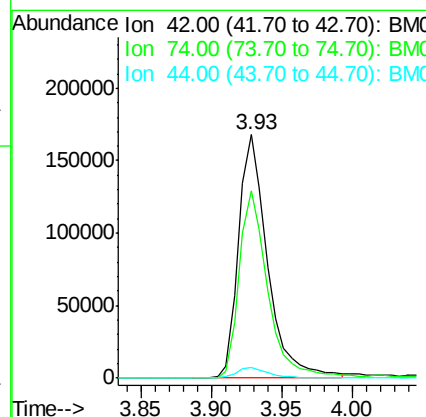
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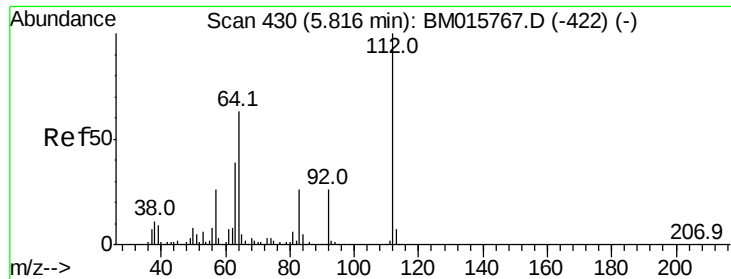
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#4
 n-Nitrosodimethylamine
 Concen: 40.066 ng
 RT: 3.93 min Scan# 109
 Delta R.T. 0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
42	100		
74	76.7	119.3	178.9#
44	4.4	5.4	8.2#





#5

2-Fluorophenol

Concen: 40.066 ng

RT: 5.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion: 112 Resp: 965998

Ion Ratio Lower Upper

112 100

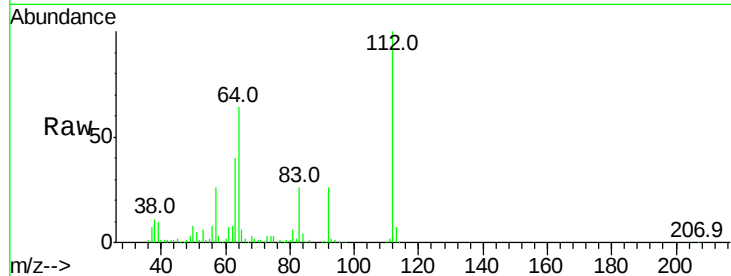
64 64.1 38.6 57.8#

63 39.9 19.3 28.9#

Manual Integrations
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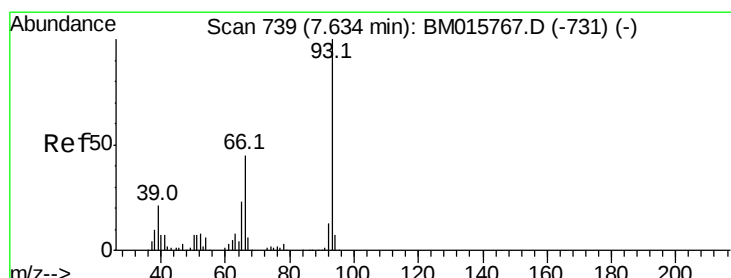
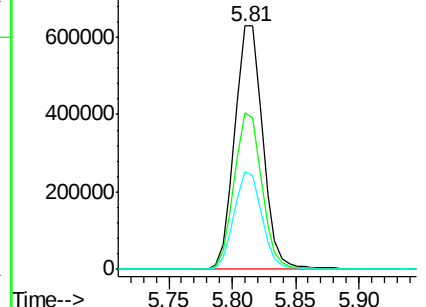
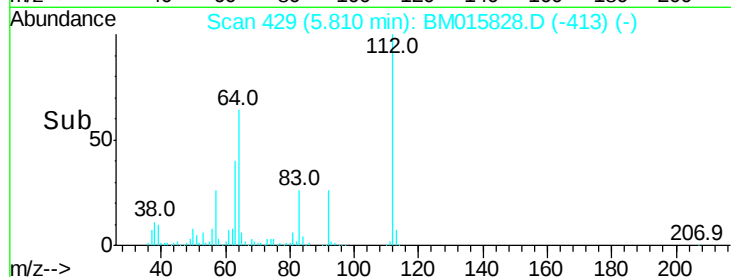
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 16.344 ng

RT: 7.63 min Scan# 739

Delta R.T. -0.00 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

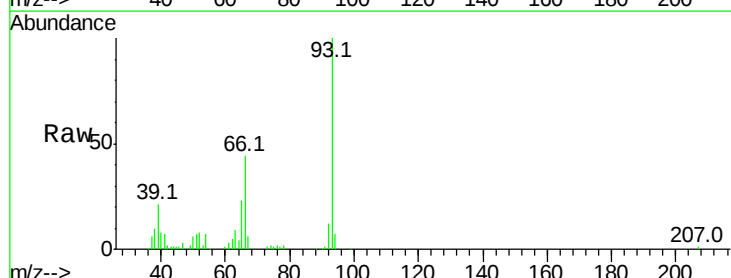
Tgt Ion: 93 Resp: 190917

Ion Ratio Lower Upper

93 100

66 43.8 30.8 46.2

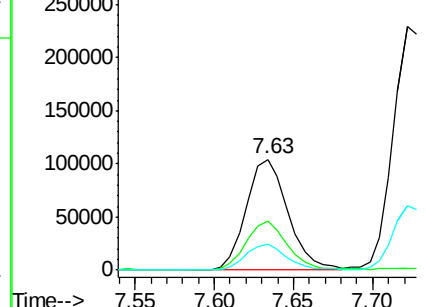
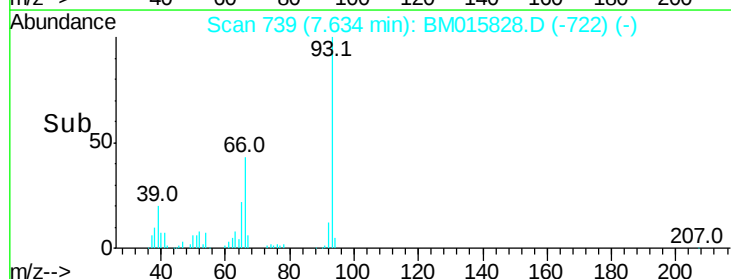
65 23.1 16.0 24.0

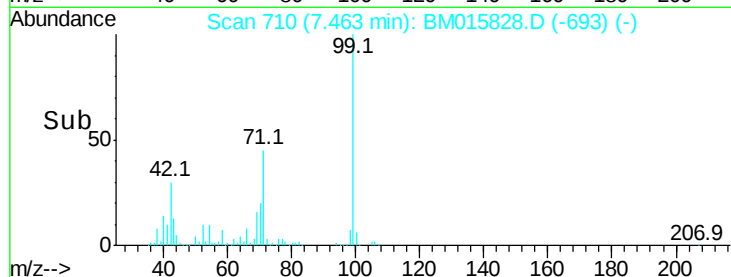
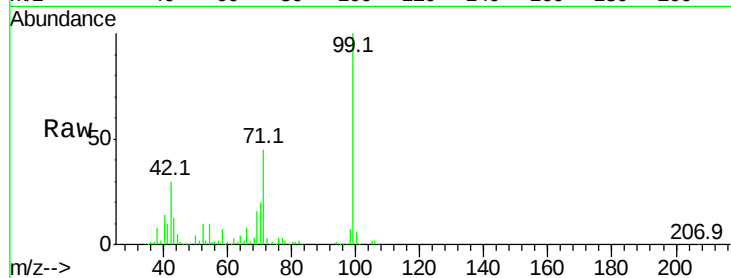
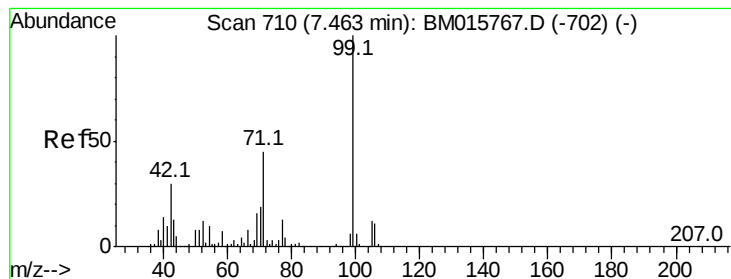


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 16.344 ng

RT: 7.46 min Scan# 710

Delta R.T. -0.00 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tot Ion: 99 Resp: 1121786

Ion Ratio Lower Upper

99 100

42 30.1 11.0 16.4#

71 44.5 23.4 35.2#

Instrument :

BNA_M

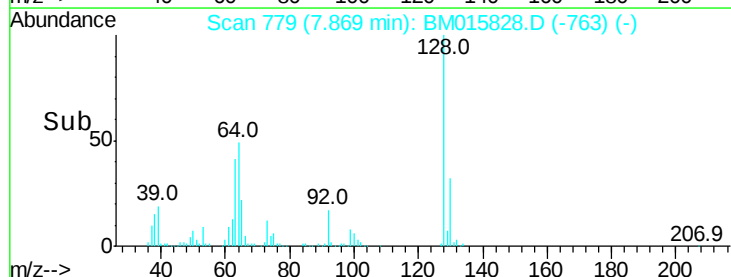
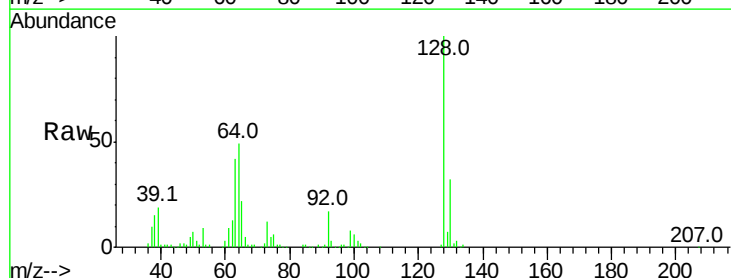
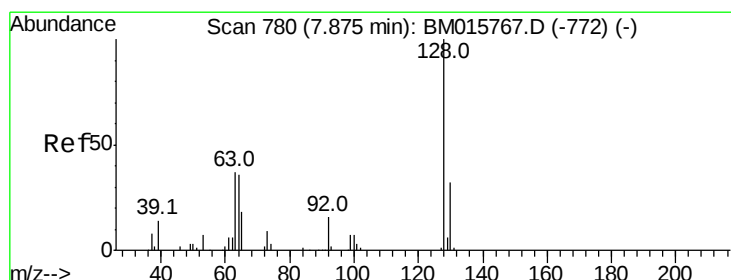
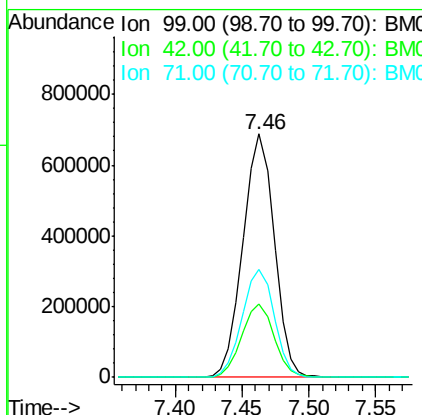
ClientSampleId :

BU-03-070318MSD

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#8

2-Chlorophenol

Concen: 47.845 ng

RT: 7.87 min Scan# 779

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

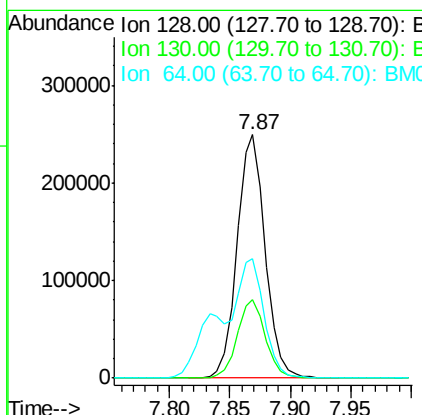
Tgt Ion: 128 Resp: 404134

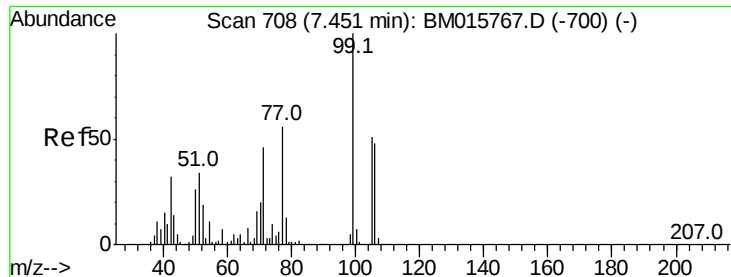
Ion Ratio Lower Upper

128 100

130 32.4 12.0 52.0

64 48.9 24.9 64.9





#9

Benzaldehyde

Concen: 19.163 ng

RT: 7.45 min Scan# 707

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

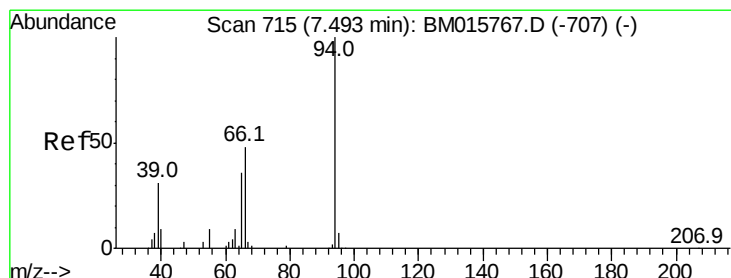
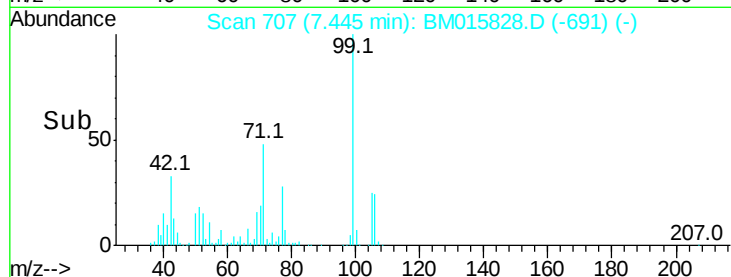
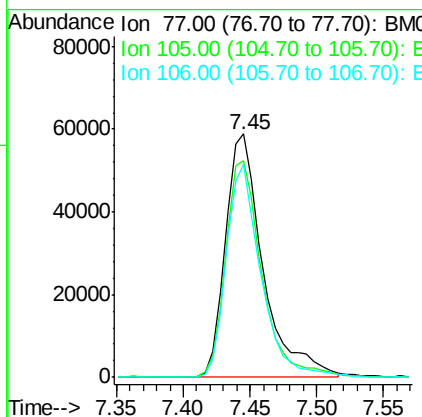
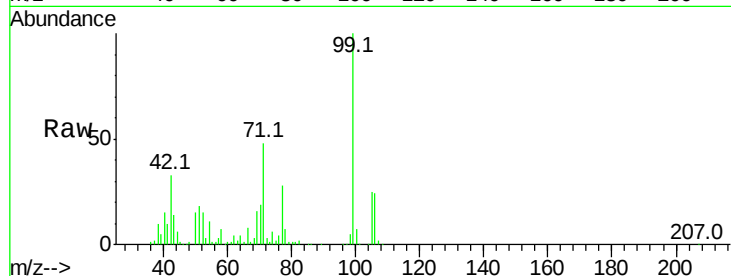
ClientSampleId :

BU-03-070318MSD

Tot Ion:	77	Resp:	116368
Ion	Ratio	Lower	Upper
77	100		
105	89.2	78.8	118.8
106	87.5	73.7	113.7

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#10

Phenol

Concen: 39.669 ng

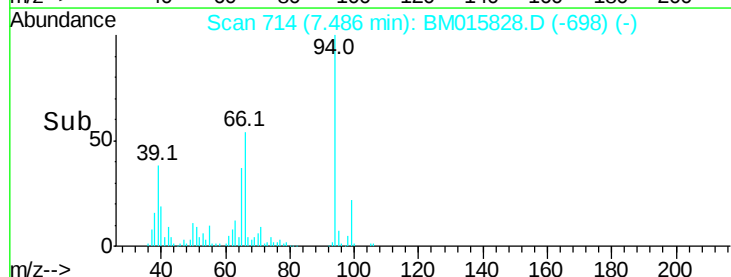
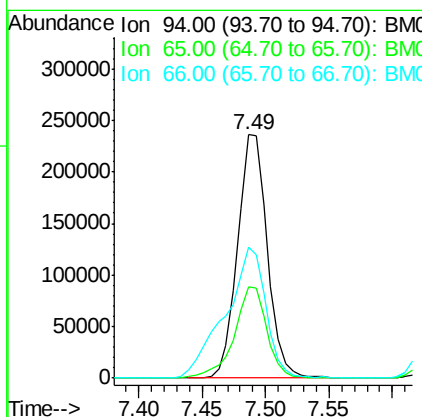
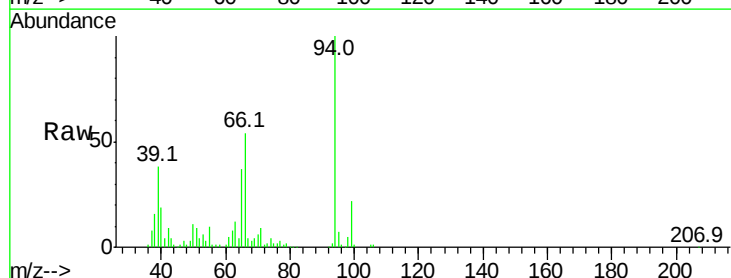
RT: 7.49 min Scan# 714

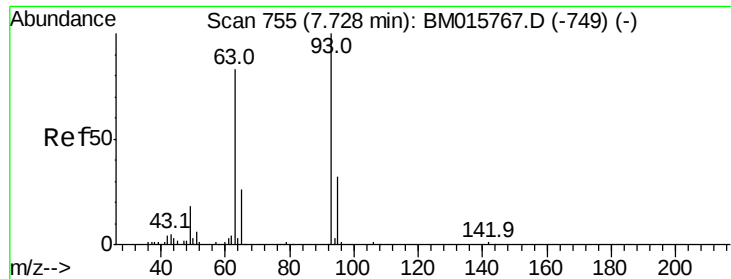
Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion:	94	Resp:	384048
Ion	Ratio	Lower	Upper
94	100		
65	37.3	18.8	58.8
66	53.6	39.9	79.9





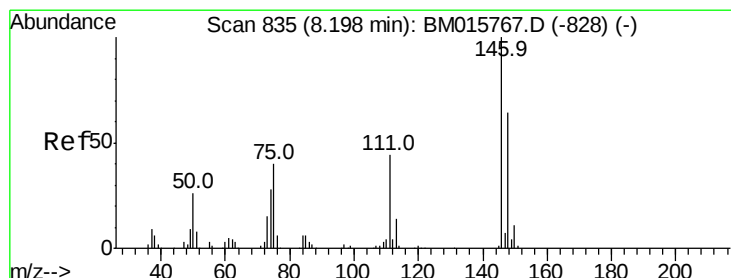
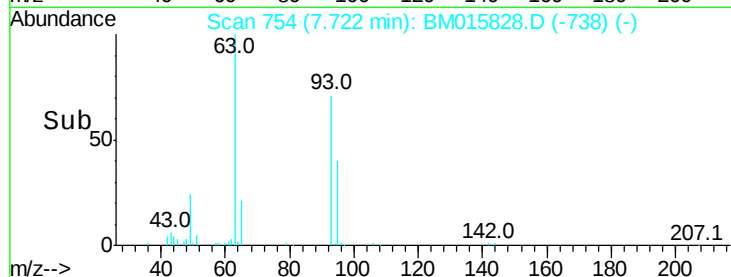
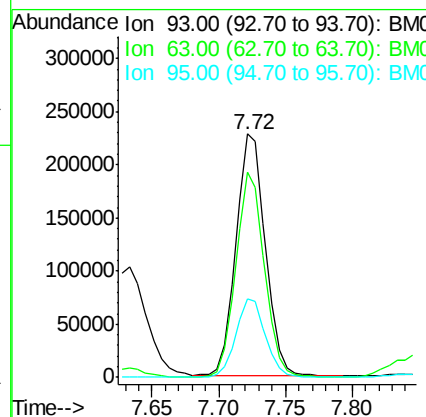
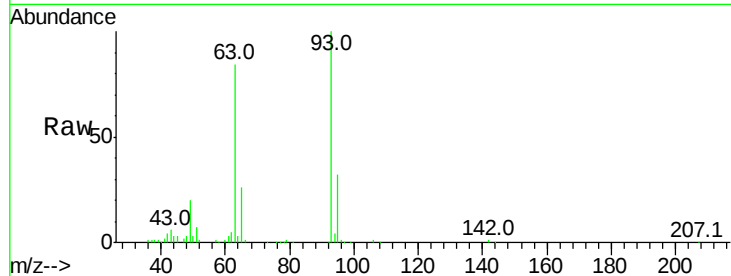
#11
bis(2-Chloroethyl)ether
Concen: 44.160 ng
RT: 7.72 min Scan# 754
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	93	Resp	347775
Ion Ratio	100	Lower	Upper
93	100		
63	84.2	49.5	89.5
95	32.0	13.5	53.5

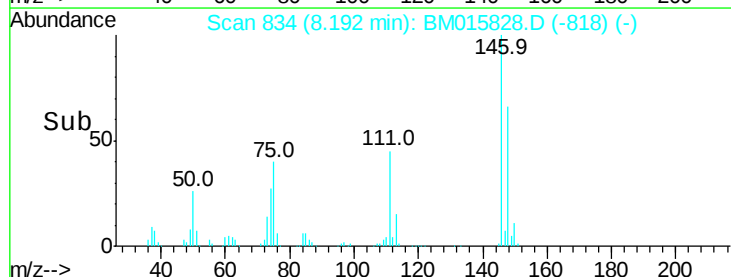
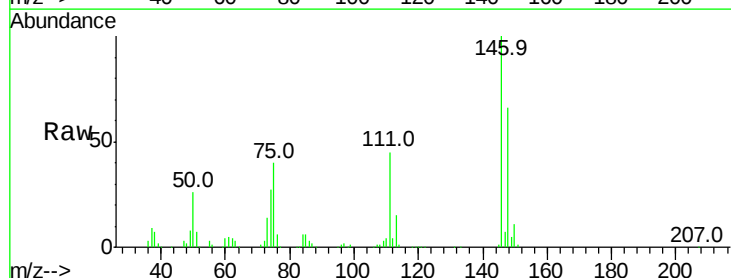
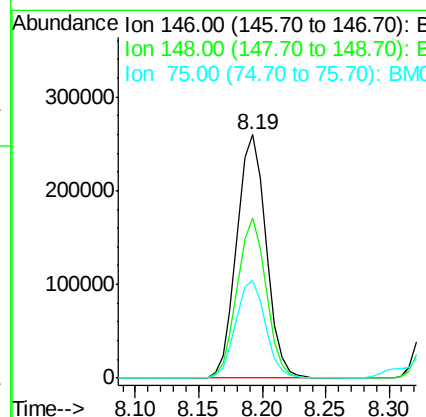
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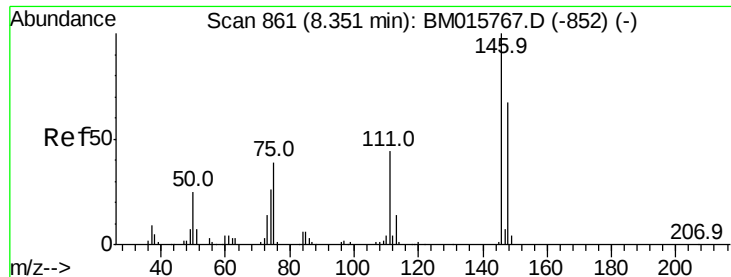
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#12
1,3-Dichlorobenzene
Concen: 44.441 ng
RT: 8.19 min Scan# 834
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	146	Resp	416192
Ion Ratio	100	Lower	Upper
146	100		
148	65.8	50.9	76.3
75	40.2	21.4	32.2#





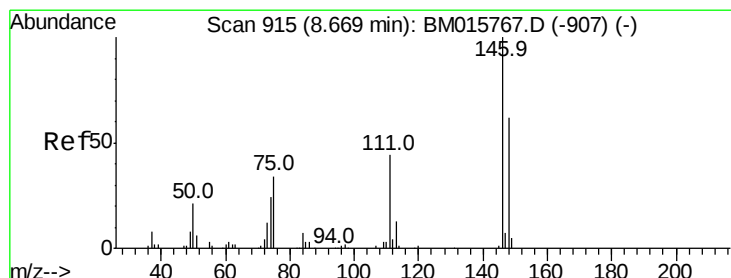
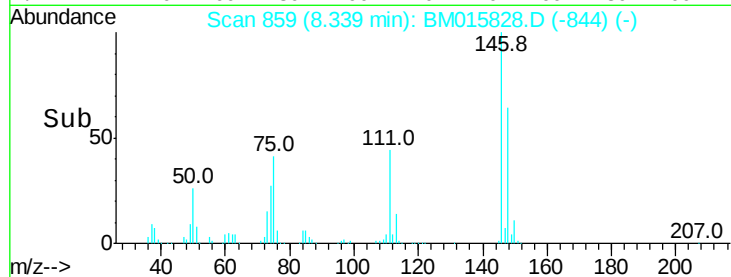
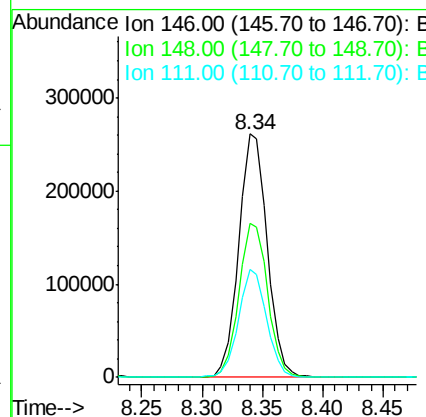
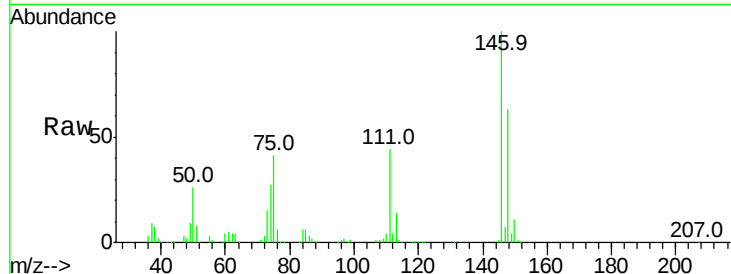
#13
 1,4-Dichlorobenzene
 Concen: 44.461 ng
 RT: 8.34 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	44.2	29.2	43.8

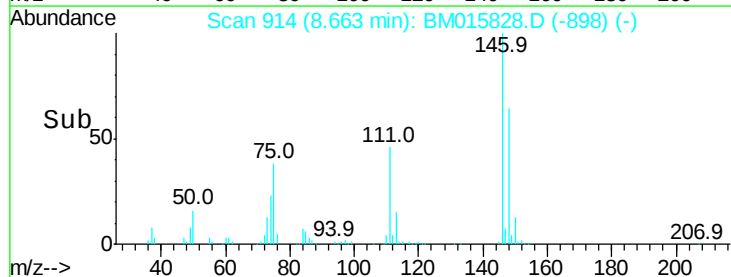
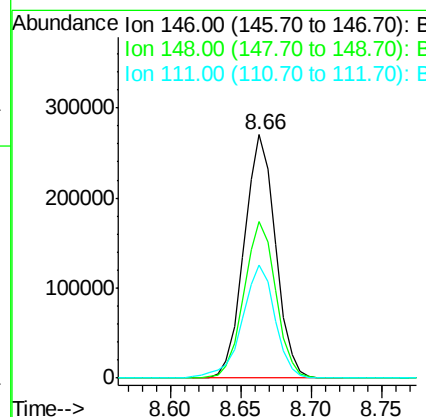
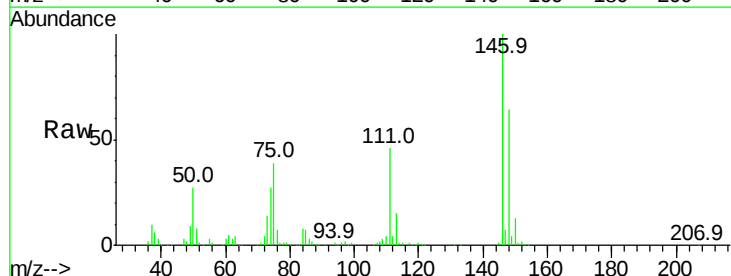
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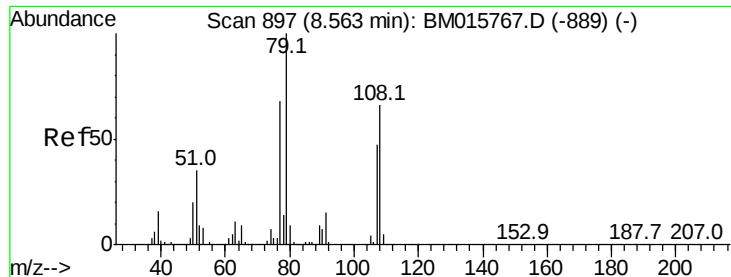
Sohil
 7/9/2018 1:56:06 PM



#14
 1,2-Dichlorobenzene
 Concen: 44.810 ng
 RT: 8.66 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
111	46.4	30.6	45.8





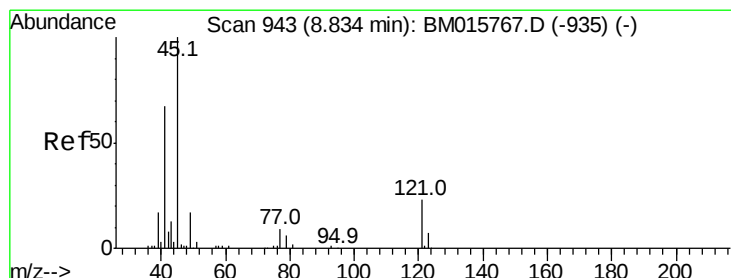
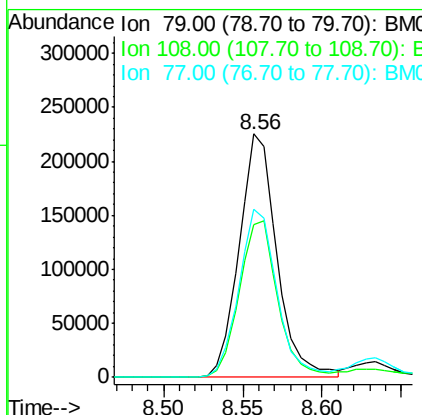
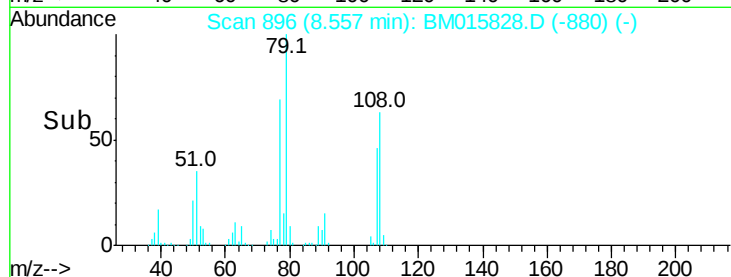
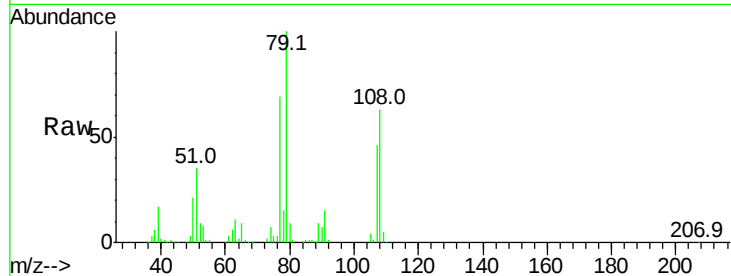
#15
Benzyl Alcohol
Concen: 44.568 ng
RT: 8.56 min Scan# 896
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	62.6	65.0	97.4#
77	69.1	53.0	79.6

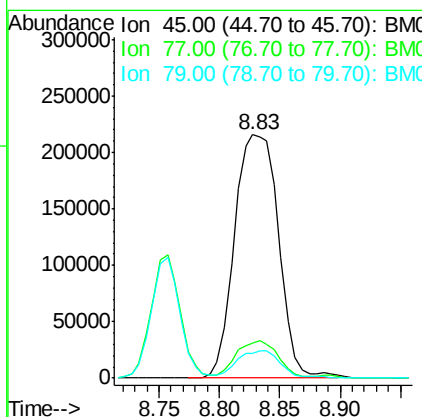
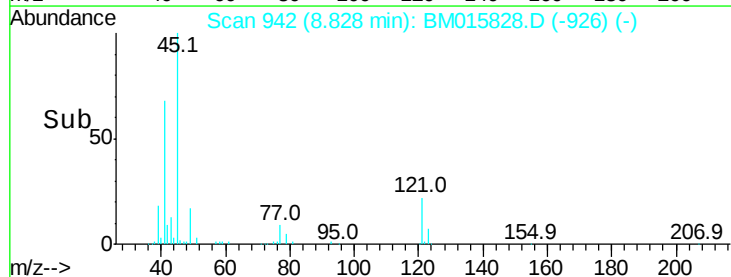
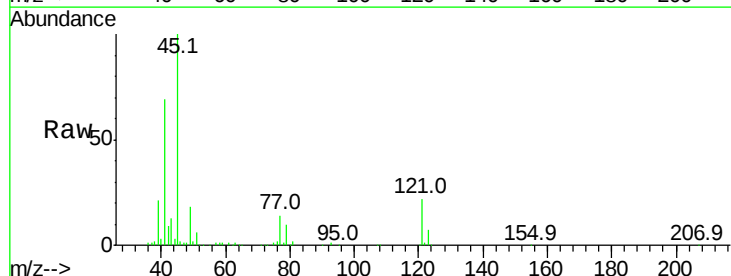
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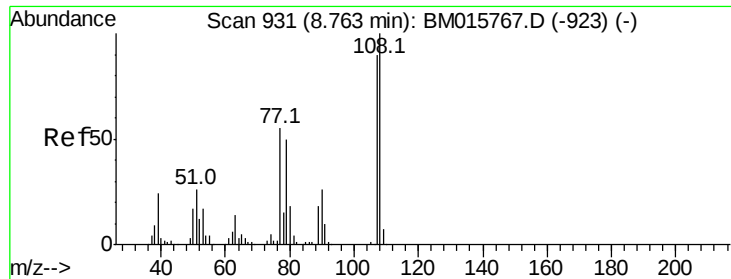
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#16
2,2'-oxybis(1-chloropropane)
Concen: 63.396 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	35.2
79	10.3	0.0	32.0





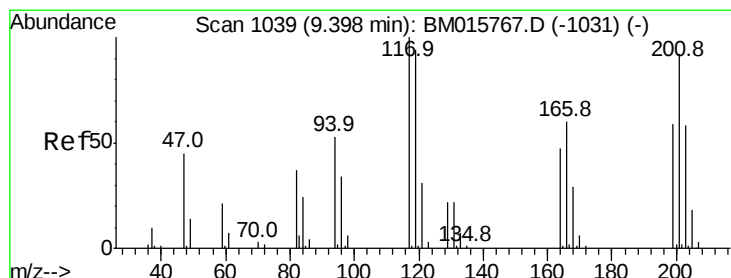
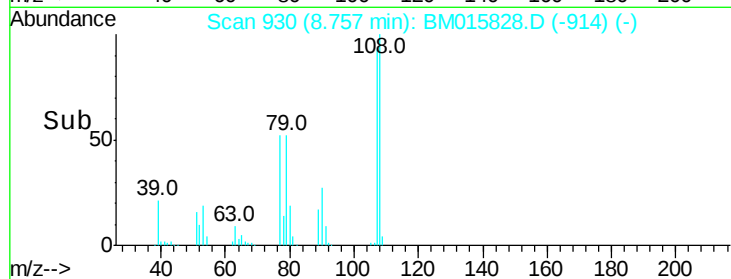
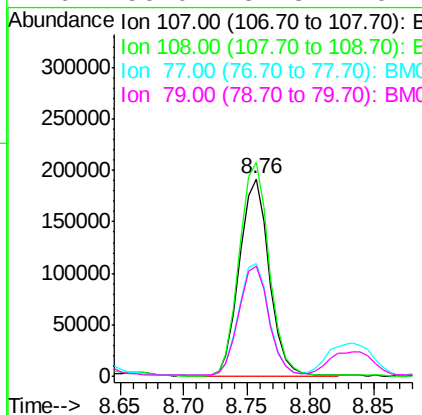
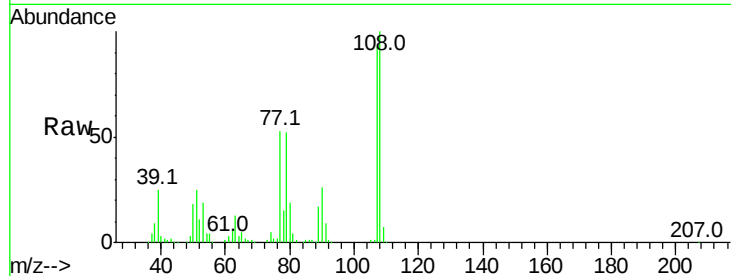
#17
2-Methylphenol
Concen: 46.530 ng
RT: 8.76 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	108.1	89.8	134.8	
77	56.8	32.6	48.8#	
79	56.0	32.8	49.2#	

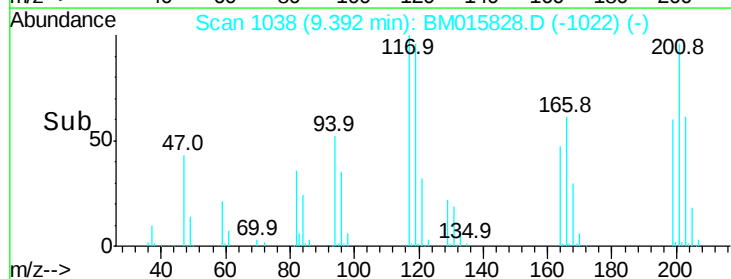
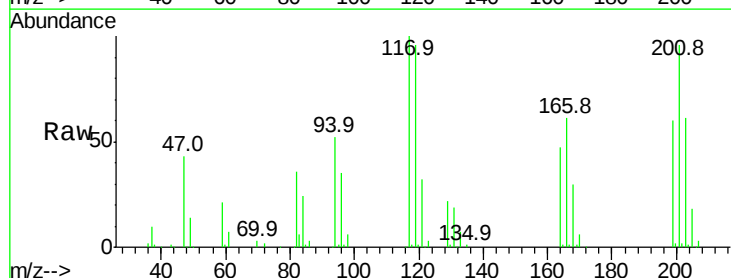
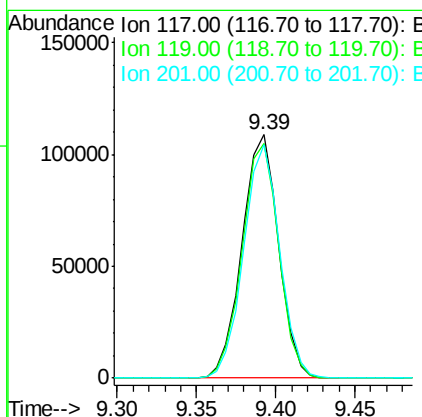
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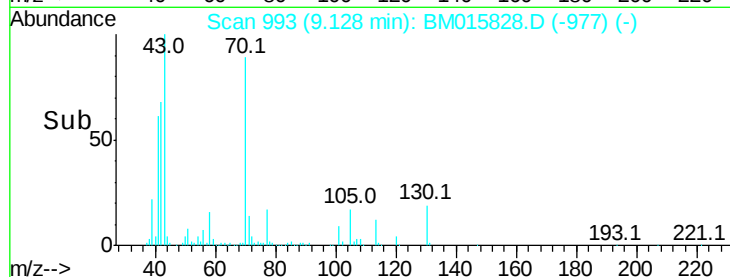
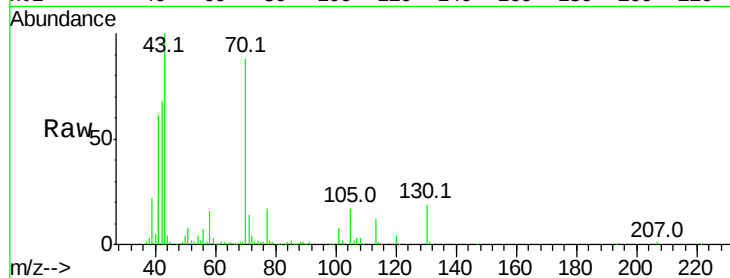
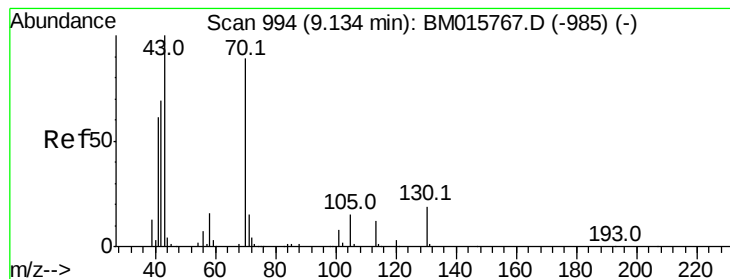
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#18
Hexachloroethane
Concen: 45.595 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	79.2	118.8	
201	95.7	69.8	104.6	





#19

n-Nitroso-di-n-propylamine

Concen: 42.397 ng

RT: 9.13 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion: 70 Resp: 328293

Ion Ratio Lower Upper

70 100

42 76.4 44.5 66.7#

101 9.6 7.4 11.2

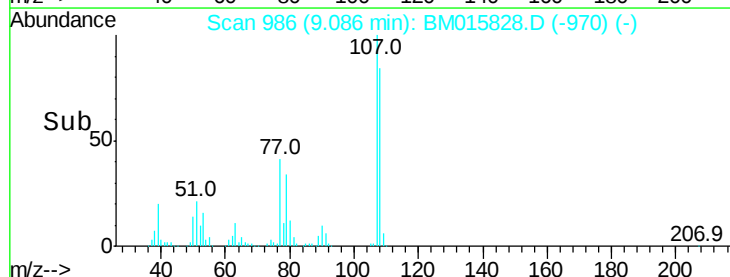
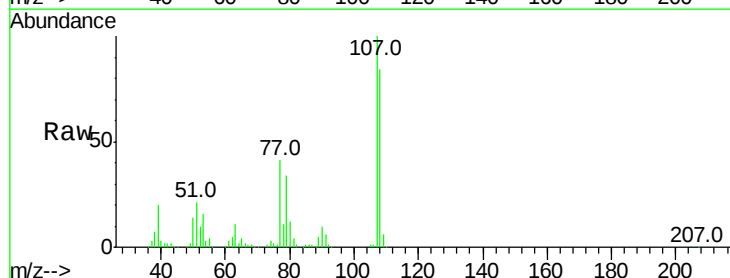
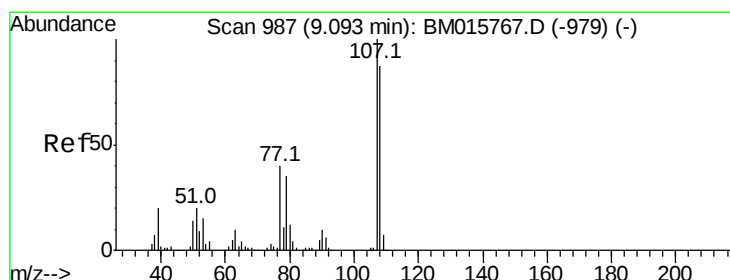
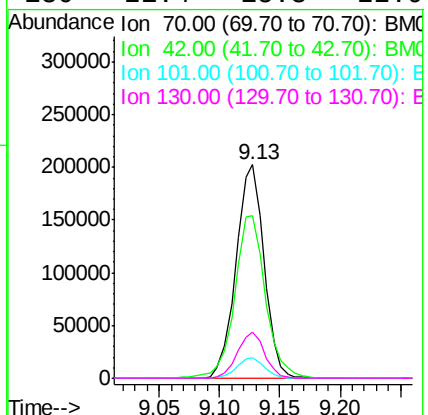
130 21.4 15.3 22.9

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#20

3+4-Methylphenols

Concen: 44.598 ng

RT: 9.09 min Scan# 986

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion: 107 Resp: 415500

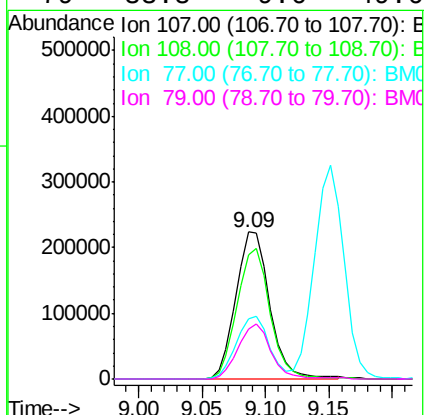
Ion Ratio Lower Upper

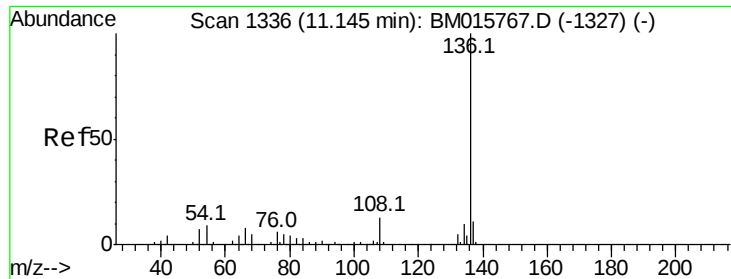
107 100

108 84.5 73.2 113.2

77 41.3 10.7 50.7

79 33.8 9.6 49.6





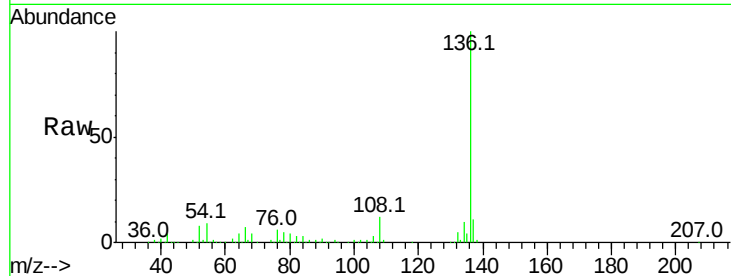
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.13 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

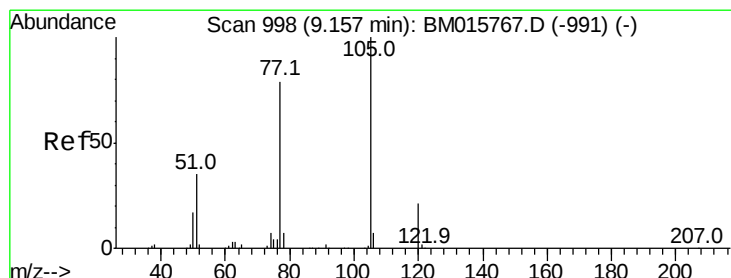
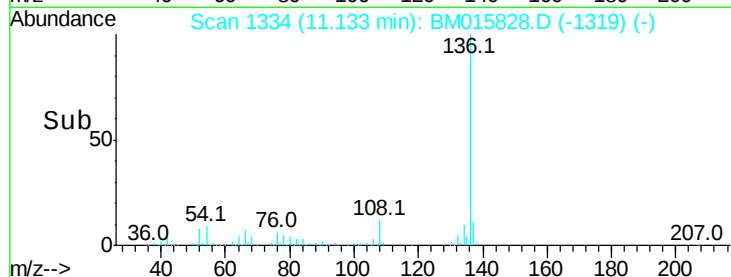
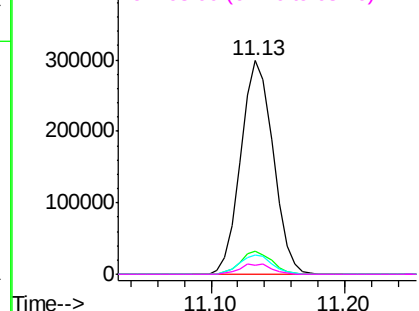
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.7	13.1	
54	9.2	4.6	6.8#	
68	4.3	3.7	5.5	

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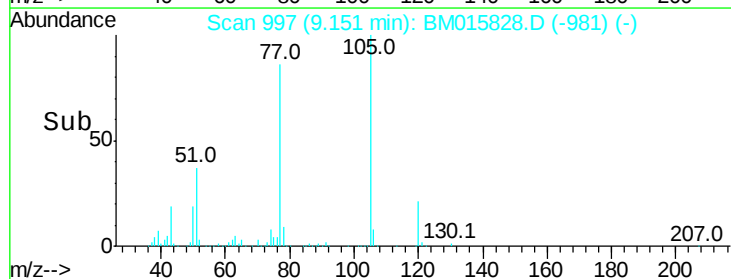
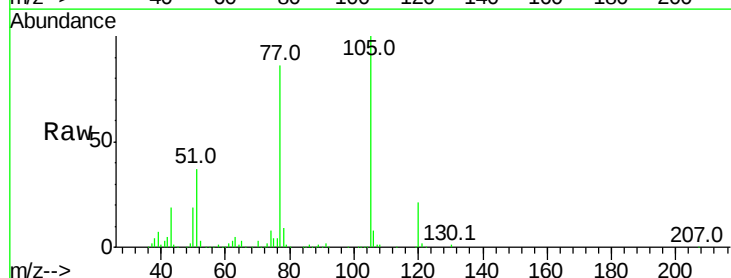
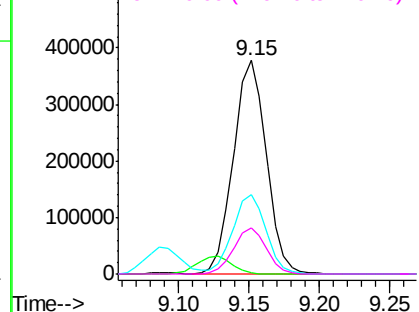
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

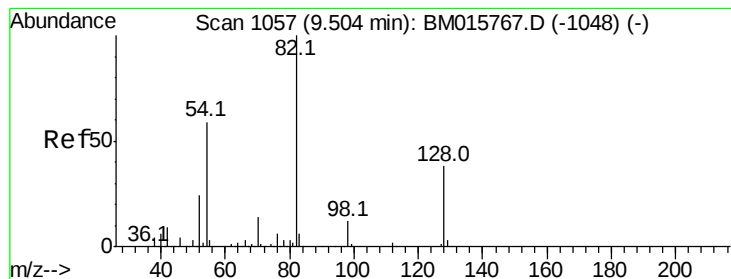


#22
Acetophenone
Concen: 46.776 ng
RT: 9.15 min Scan# 997
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.4	0.6	1.0#	
51	37.4	21.6	32.4#	
120	21.4	16.1	24.1	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 46.776 ng

RT: 9.50 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

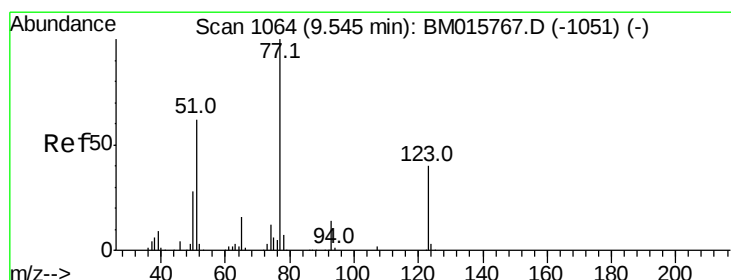
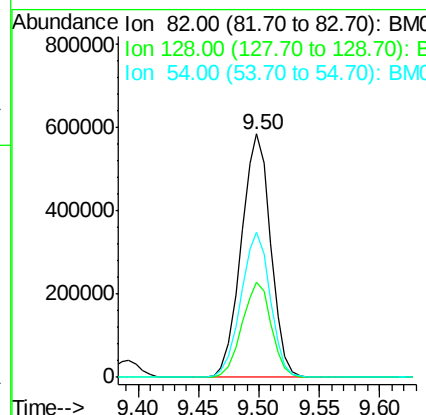
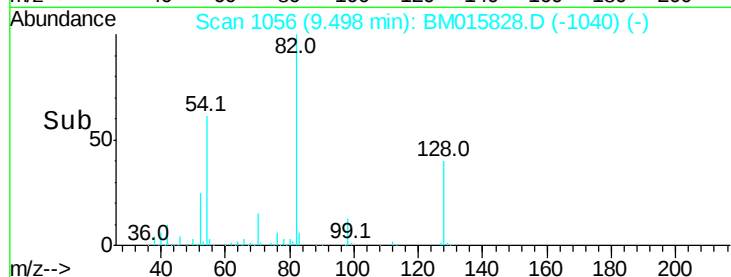
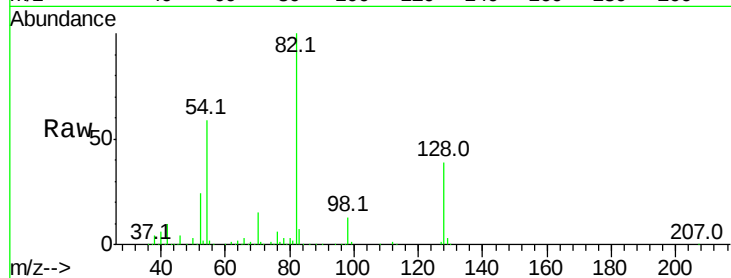
ClientSampleId :

BU-03-070318MSD

Tot Ion:	82	Resp:	995555
Ion Ratio	Lower	Upper	
82	100		
128	39.1	32.8	49.2
54	59.4	40.6	60.8

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#24

Nitrobenzene

Concen: 50.129 ng

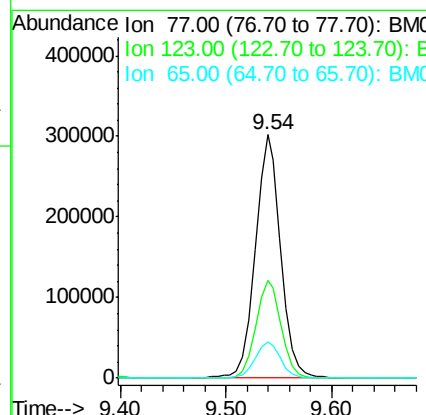
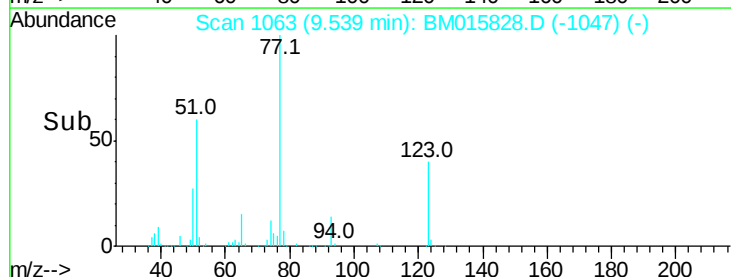
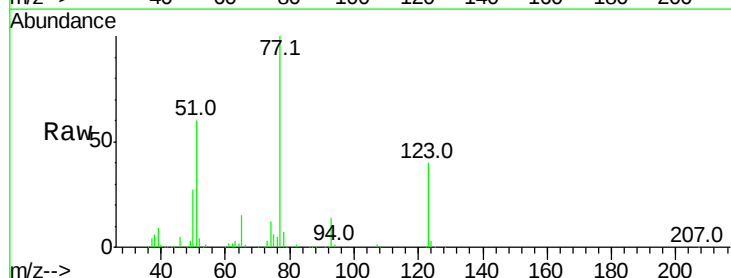
RT: 9.54 min Scan# 1063

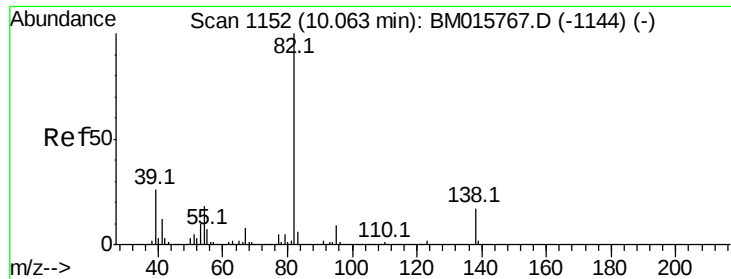
Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion:	77	Resp:	502922
Ion Ratio	Lower	Upper	
77	100		
123	40.3	32.6	49.0
65	15.0	10.9	16.3





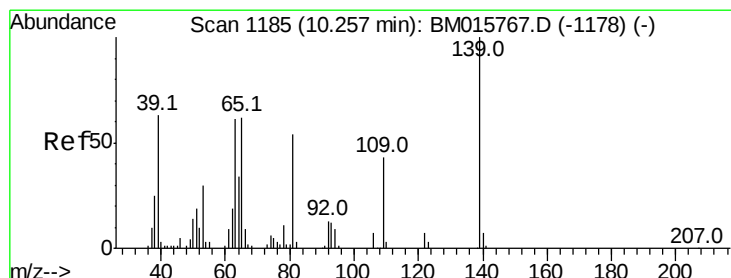
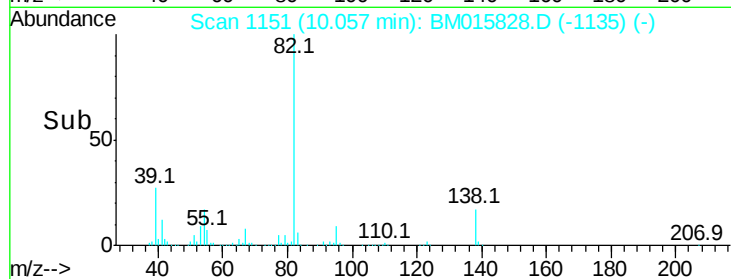
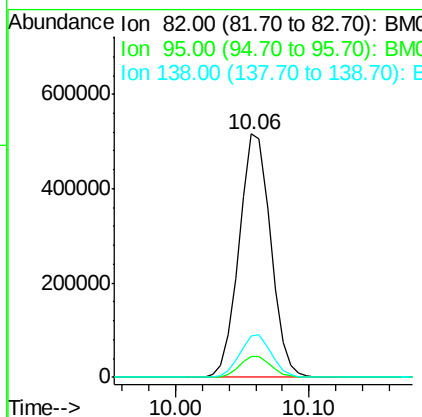
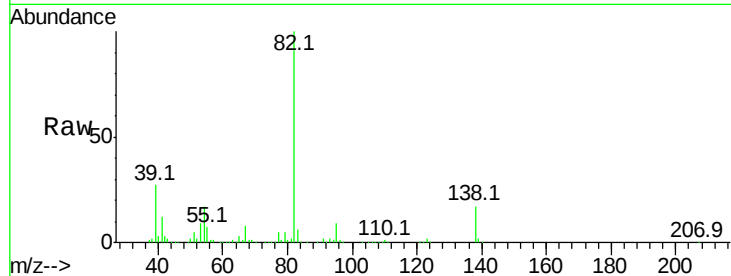
#25
Isophorone
Concen: 53.890 ng
RT: 10.06 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.7	5.8	8.6#
138	17.1	16.3	24.5

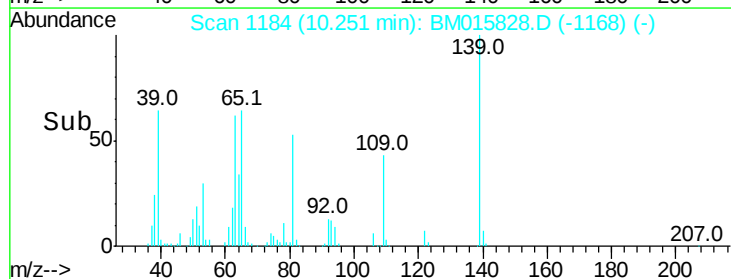
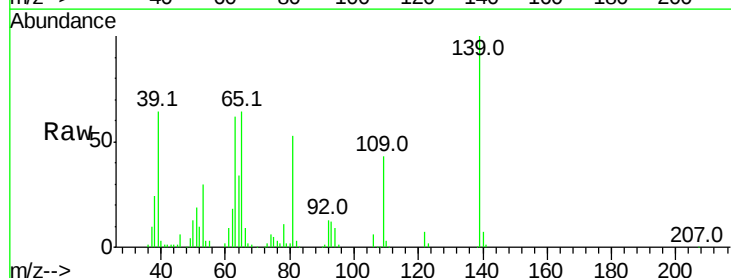
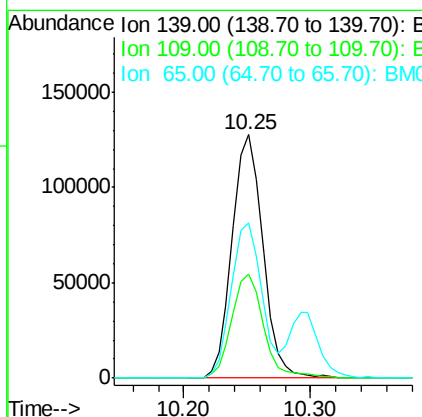
Manual Integrations
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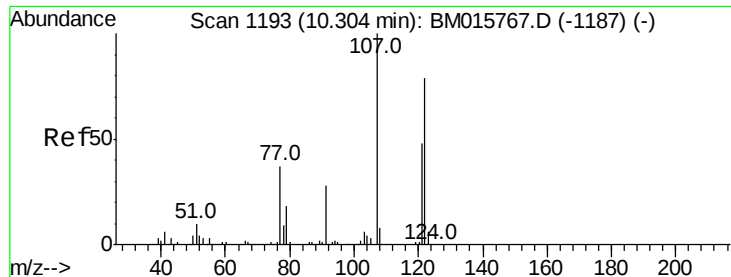
Sohil
7/9/2018 1:56:06 PM



#26
2-Nitrophenol
Concen: 49.916 ng
RT: 10.25 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	42.7	20.1	30.1#
65	63.7	31.5	47.3#





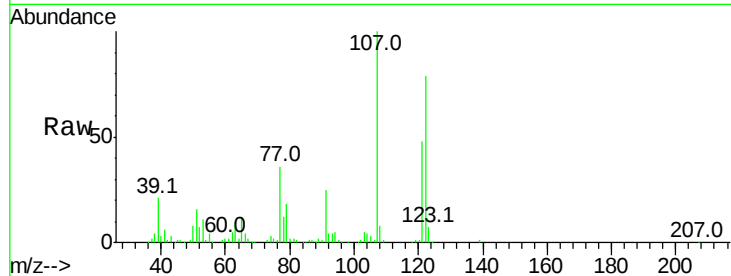
#27
2,4-Dimethylphenol
Concen: 55.741 ng
RT: 10.30 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

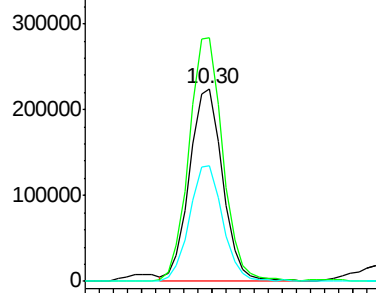
Tot Ion	Ratio	Resp	Lower	Upper
122	100	365821		
107	126.4	84.7	127.1	
121	60.4	46.6	69.8	

Manual Integrations
APPROVED

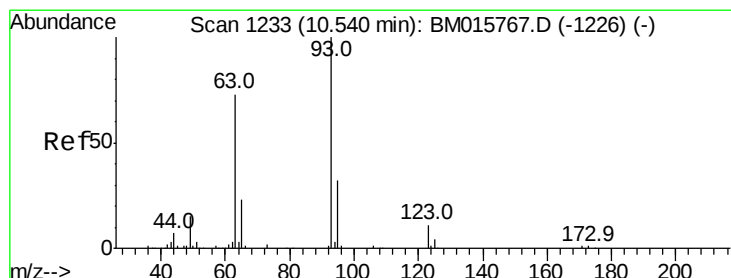
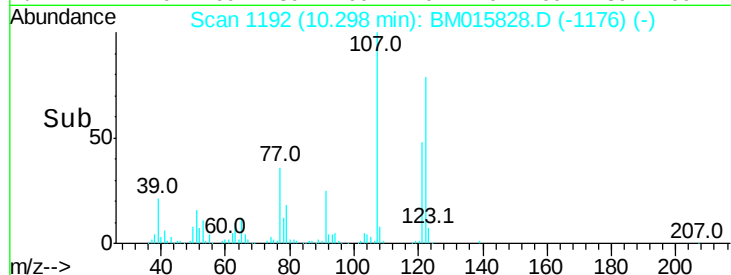
Sohil
7/9/2018 1:56:06 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

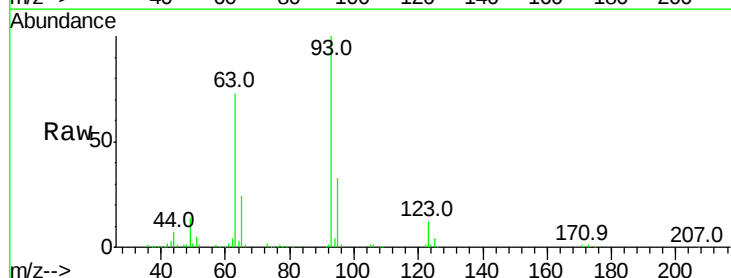


Time-->

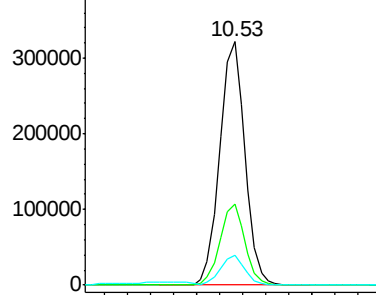


#28
bis(2-Chloroethoxy)methane
Concen: 47.873 ng
RT: 10.53 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

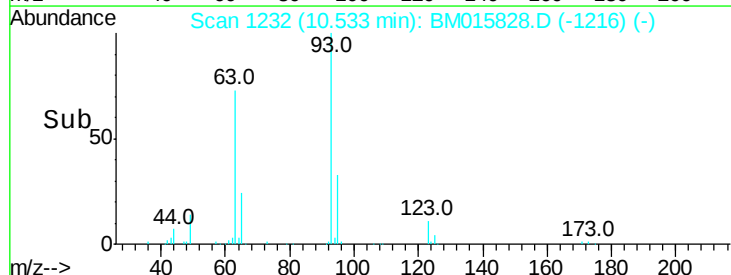
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	490639		
95	33.1	25.5	38.3	
123	12.0	8.6	13.0	

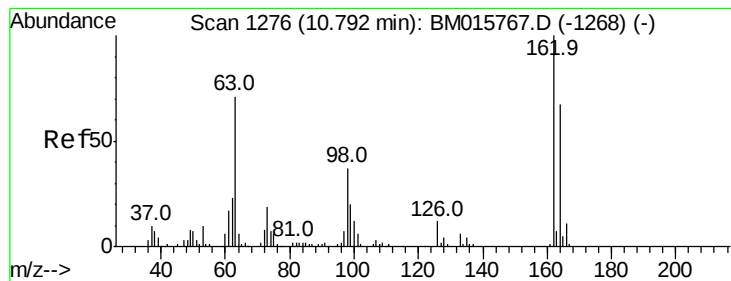


Abundance Ion 93.00 (92.70 to 93.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 123.00 (122.70 to 123.70): E



Time-->





#29

2,4-Dichlorophenol

Concen: 52.610 ng

RT: 10.79 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:162 Resp: 382404

Ion Ratio Lower Upper

162 100

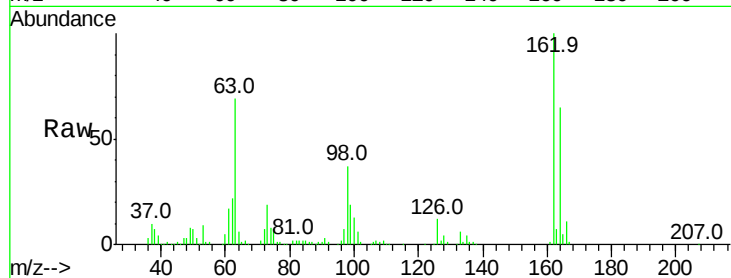
164 65.0 42.8 82.8

98 36.7 14.5 54.5

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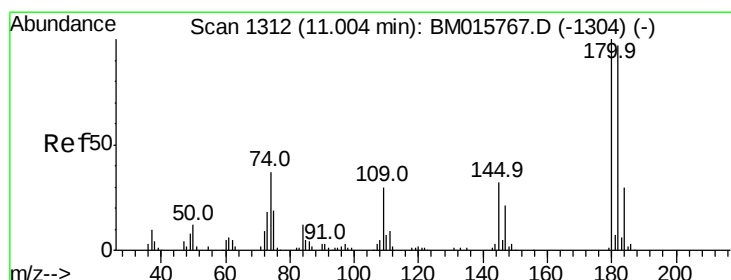
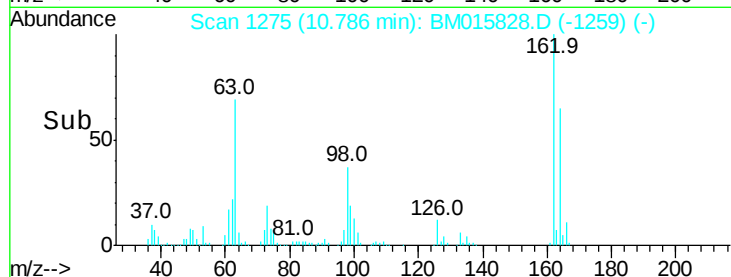
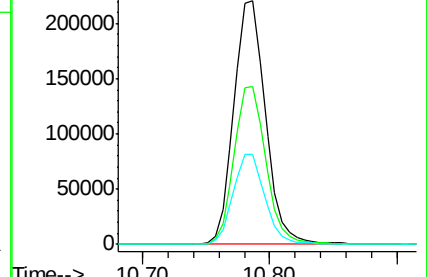
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 48.351 ng

RT: 10.99 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

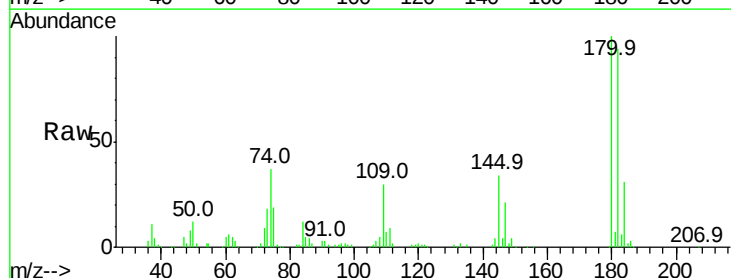
Tgt Ion:180 Resp: 408202

Ion Ratio Lower Upper

180 100

182 94.3 77.6 116.4

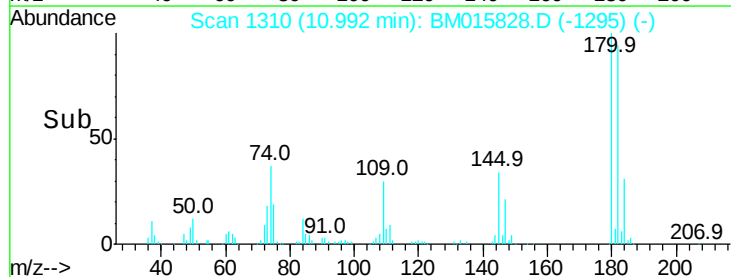
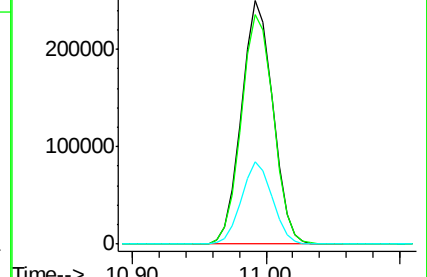
145 33.6 23.4 35.2

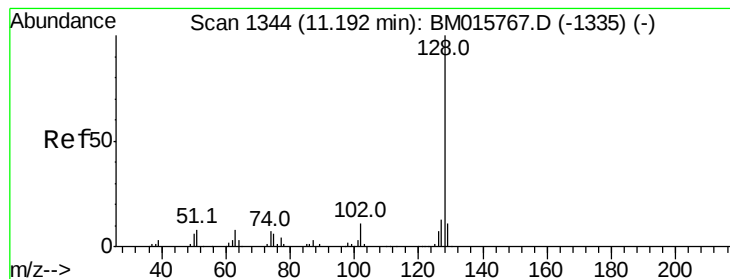


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 49.038 ng

RT: 11.19 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:128 Resp: 1278512

Ion Ratio Lower Upper

128 100

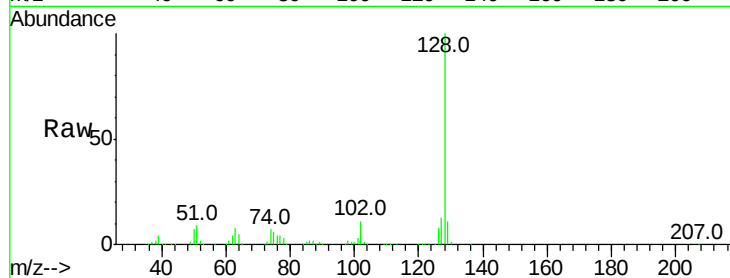
129 11.1 8.9 13.3

127 13.2 10.4 15.6

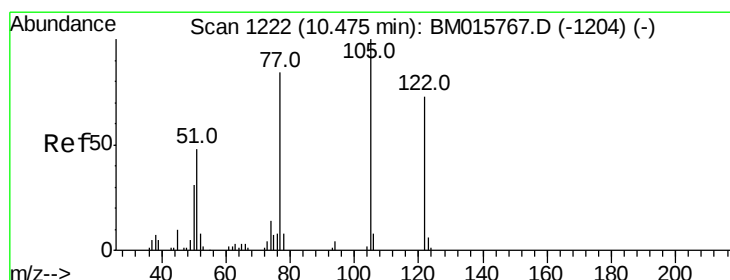
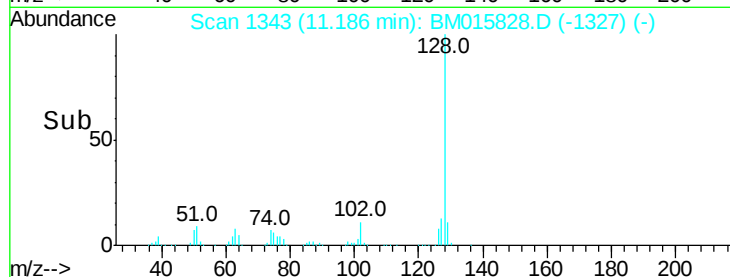
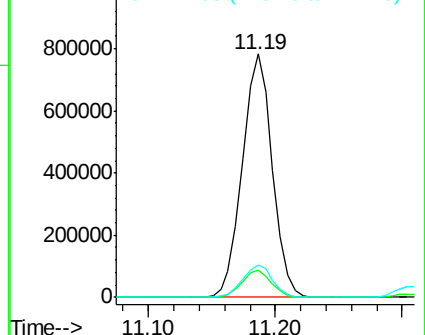
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.997 ng

RT: 10.49 min Scan# 1224

Delta R.T. 0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

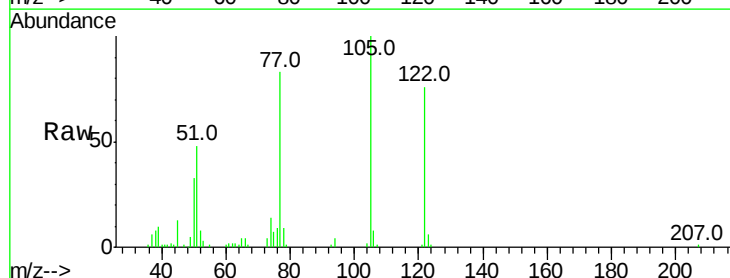
Tgt Ion:122 Resp: 209161

Ion Ratio Lower Upper

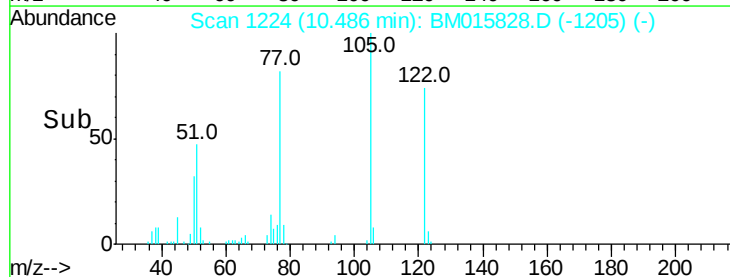
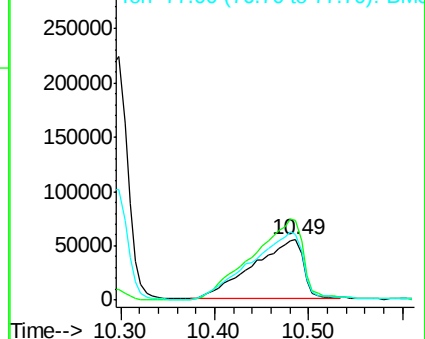
122 100

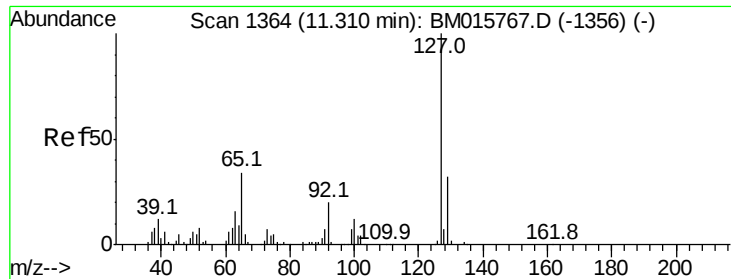
105 132.1 99.9 139.9

77 109.8 73.7 113.7



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): BM





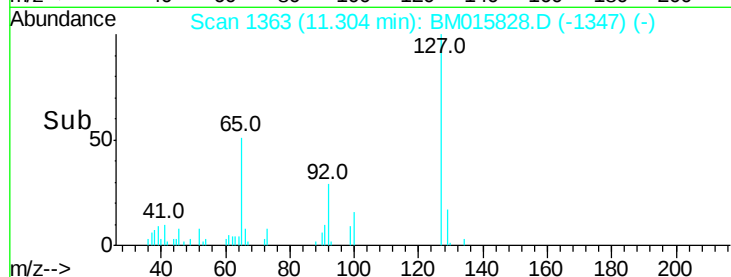
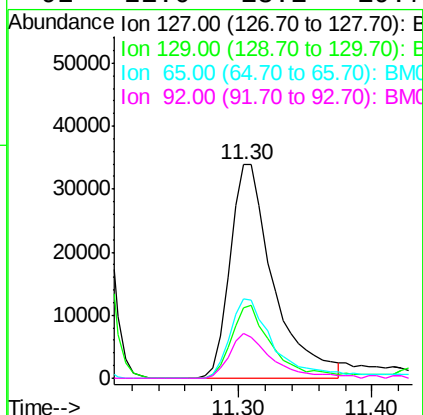
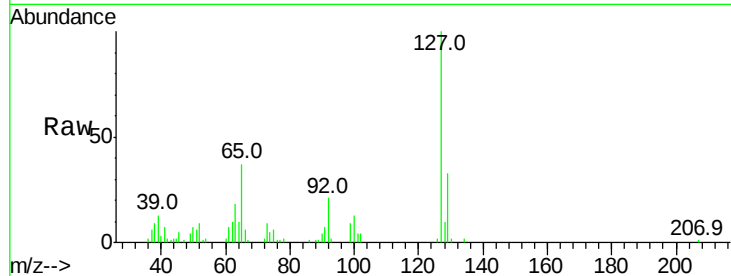
#33
4-Chloroaniline
Concen: 7.211 ng
RT: 11.30 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.3	37.9
65	37.0	17.6	26.4
92	21.0	13.1	19.7

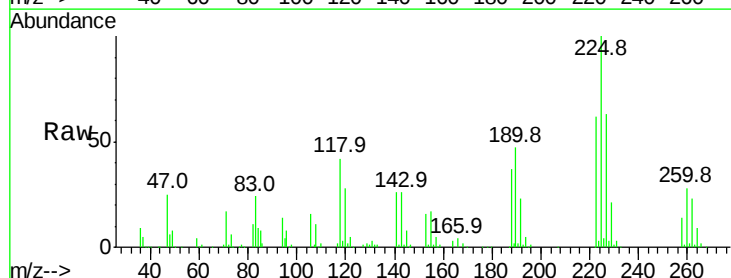
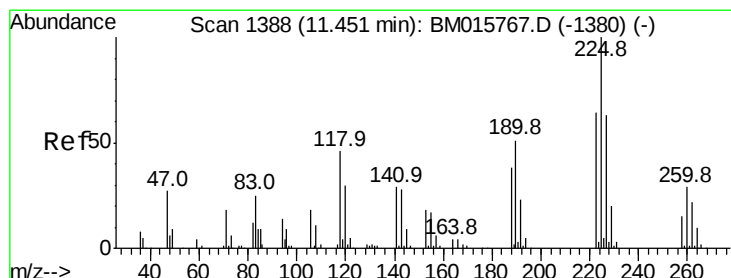
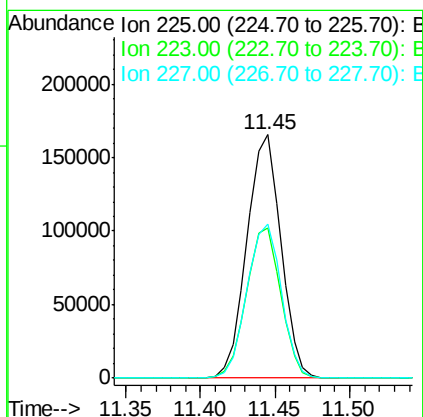
Manual Integrations
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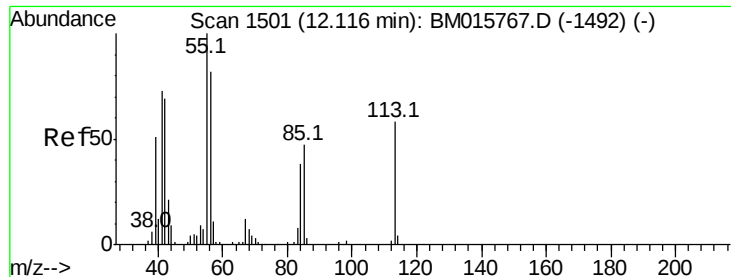
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#34
Hexachlorobutadiene
Concen: 46.468 ng
RT: 11.45 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	47.9	71.9
227	63.5	50.1	75.1





#35

Caprolactam

Concen: 31.269 ng/mL

RT: 12.11 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:113 Resp: 75377

Ion Ratio Lower Upper

113 100

55 173.8 145.9 185.9

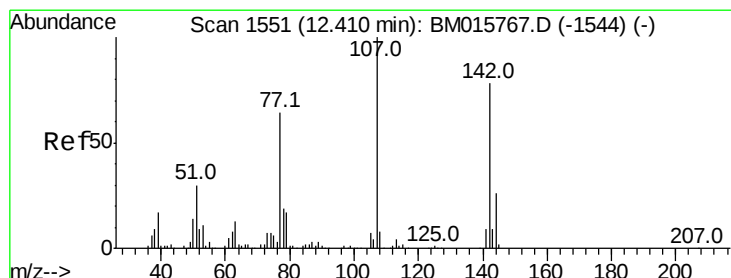
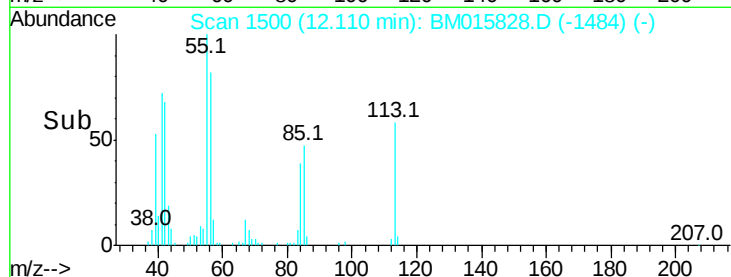
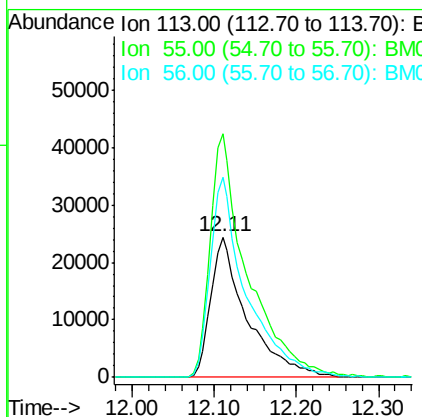
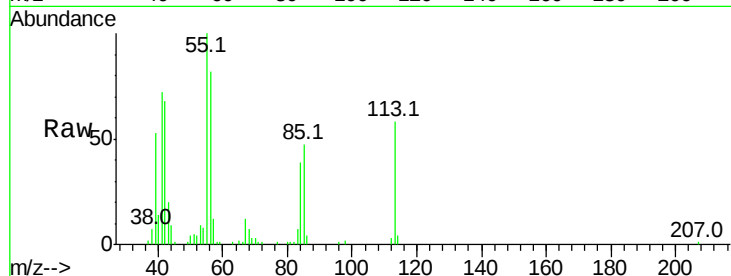
56 143.2 101.0 141.0#

Manual Integrations

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#36

4-Chloro-3-methylphenol

Concen: 49.866 ng/mL

RT: 12.41 min Scan# 1551

Delta R.T. -0.00 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

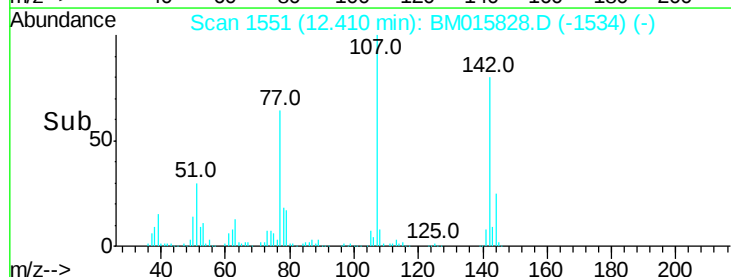
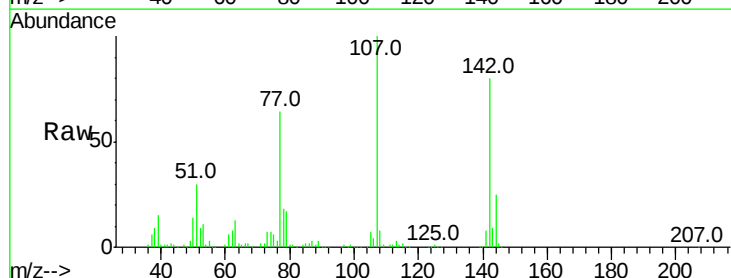
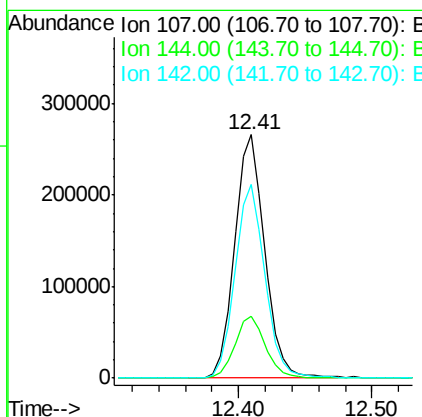
Tgt Ion:107 Resp: 415892

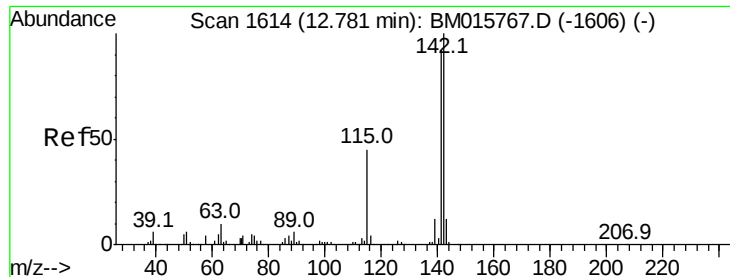
Ion Ratio Lower Upper

107 100

144 25.5 23.3 34.9

142 79.5 72.6 109.0





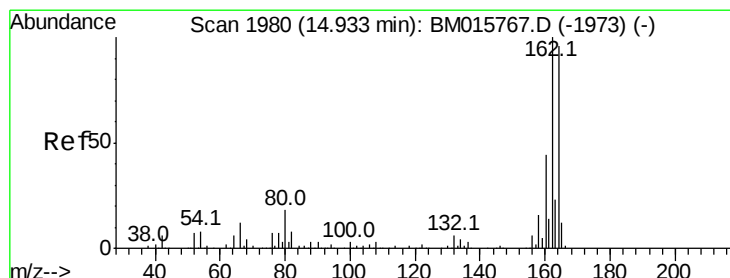
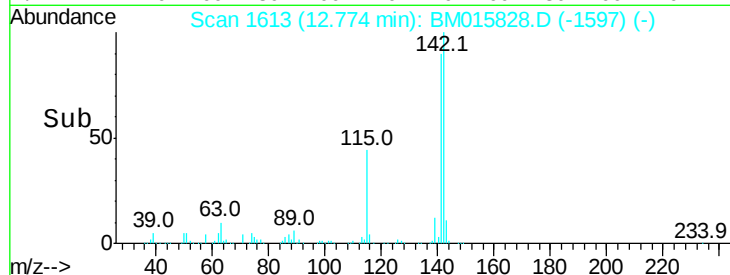
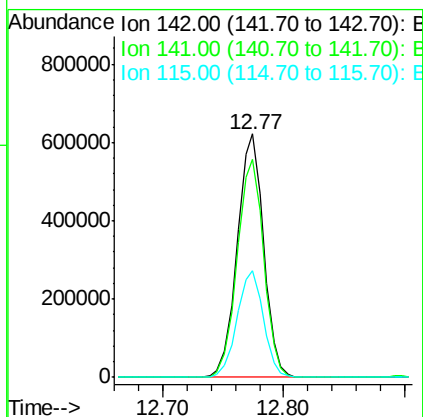
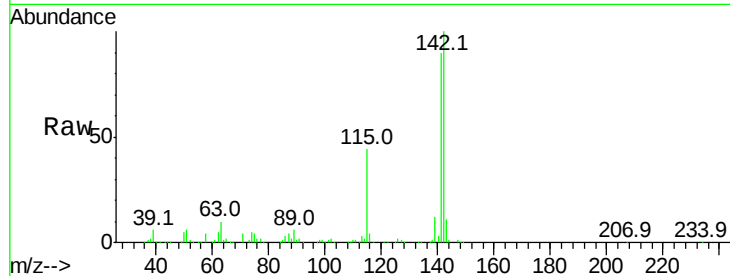
#37
2-Methylnaphthalene
Concen: 50.934 ng
RT: 12.77 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.9	107.9
115	43.9	25.4	38.0

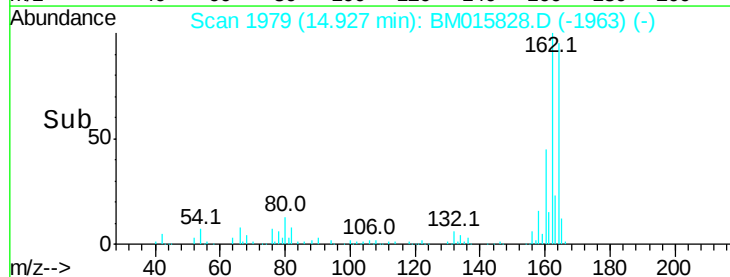
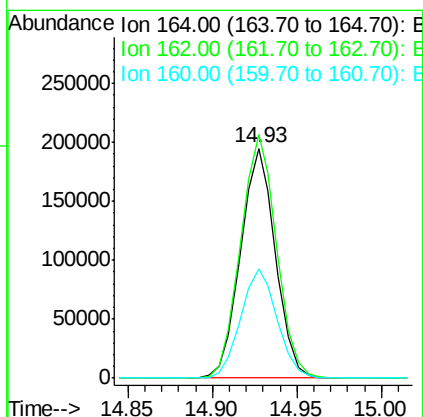
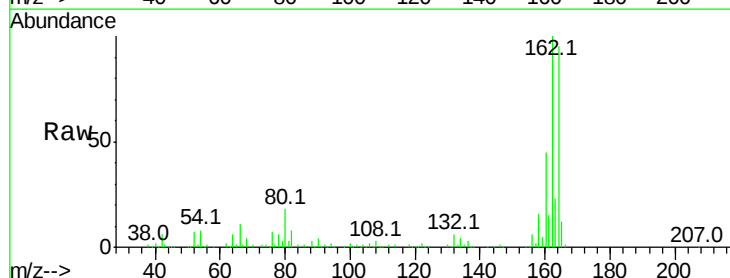
Manual Integrations
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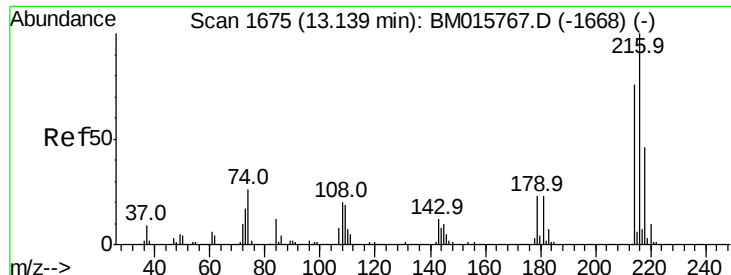
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.93 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.4	123.6
160	47.7	35.8	53.6





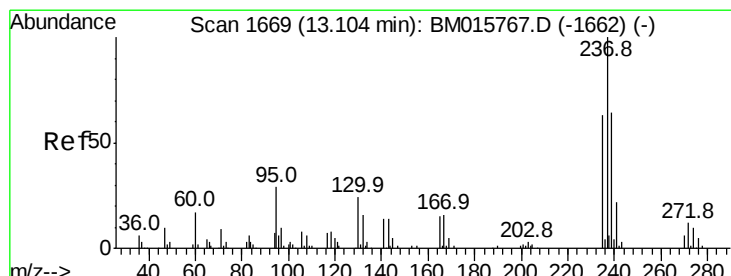
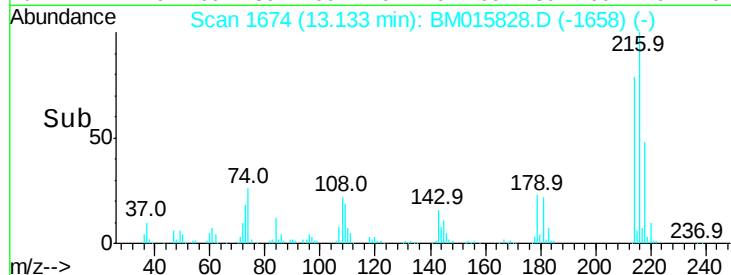
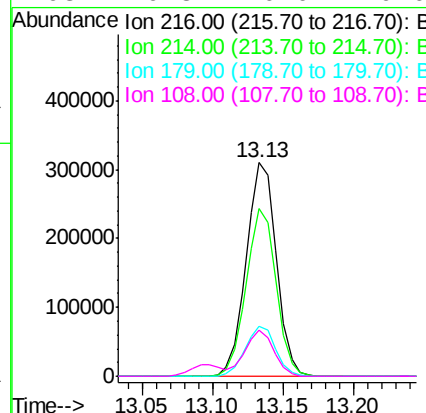
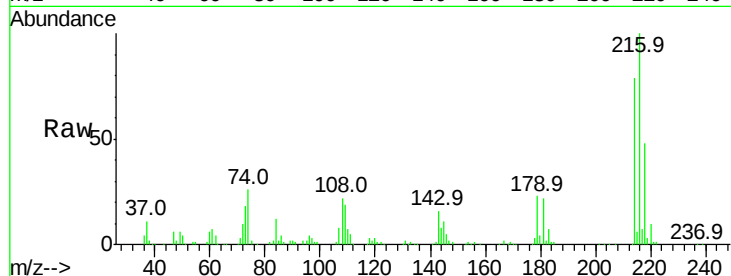
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.713 ng
 RT: 13.13 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	463300		
214	78.3	0.0	0.0	0.0
179	23.5	0.0	0.0	0.0
108	20.8	0.0	0.0	0.0

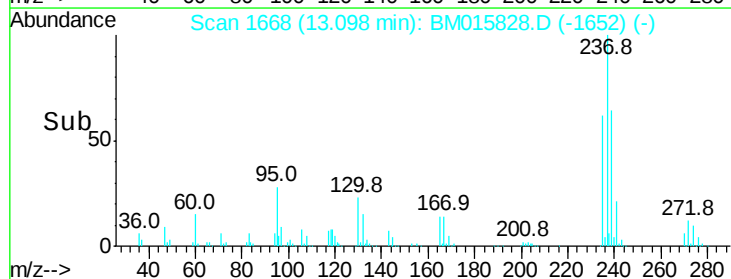
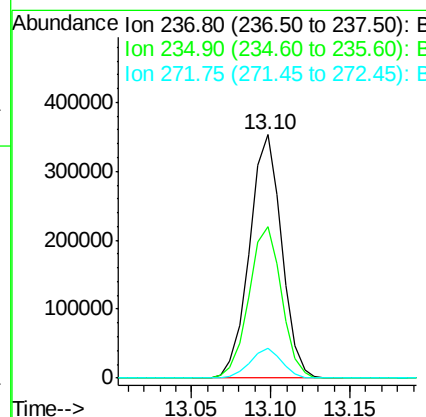
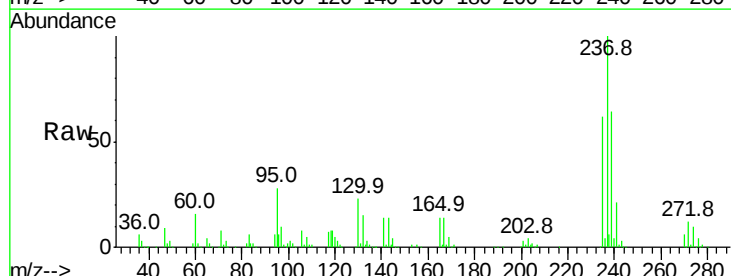
Manual Integrations
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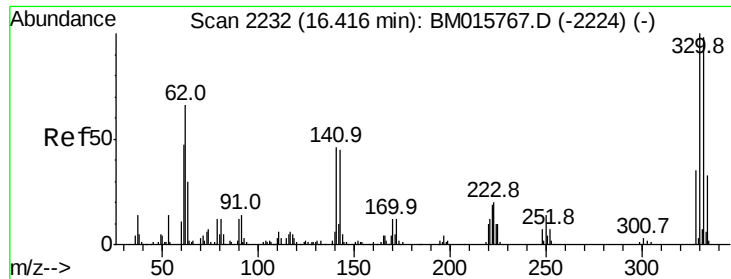
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#40
 Hexachlorocyclopentadiene
 Concen: 114.540 ng
 RT: 13.10 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	498549		
235	62.1	42.0	82.0	
272	12.2	0.0	33.4	





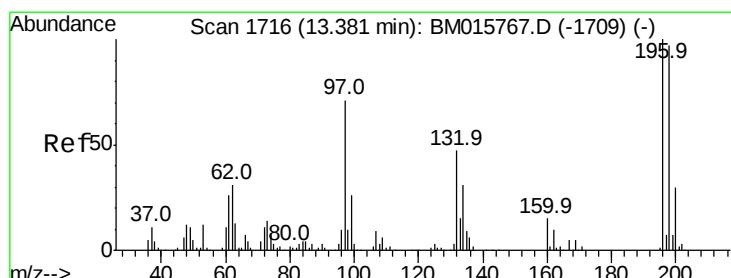
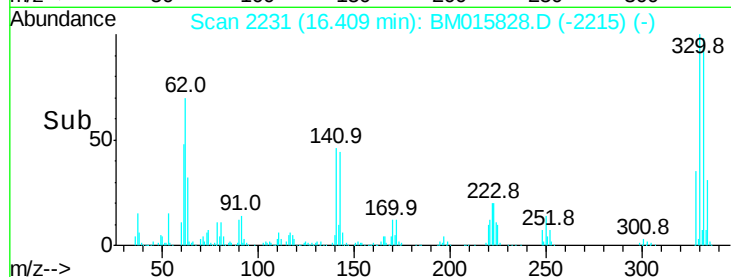
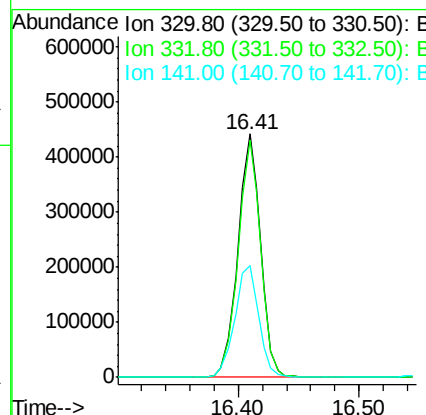
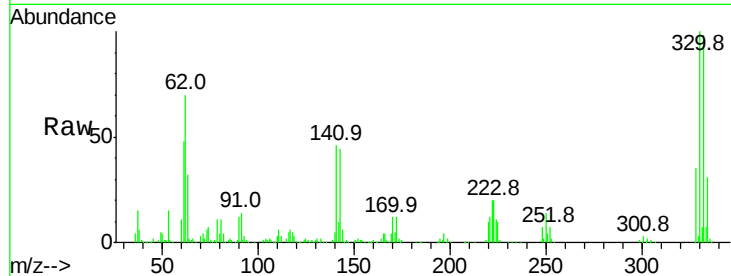
#41
 2,4,6-Tribromophenol
 Concen: 114.540 ng
 RT: 16.41 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	579107		
332	96.7	0.0	0.0	0.0
141	48.7	0.0	0.0	0.0

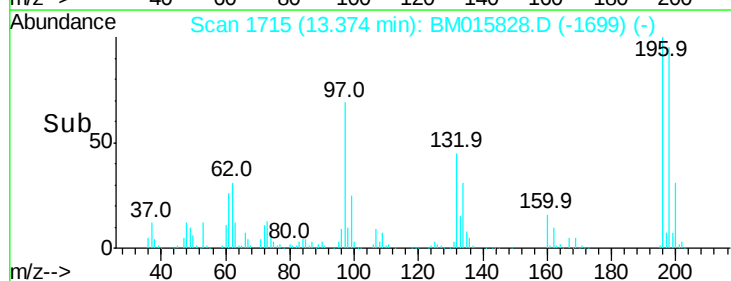
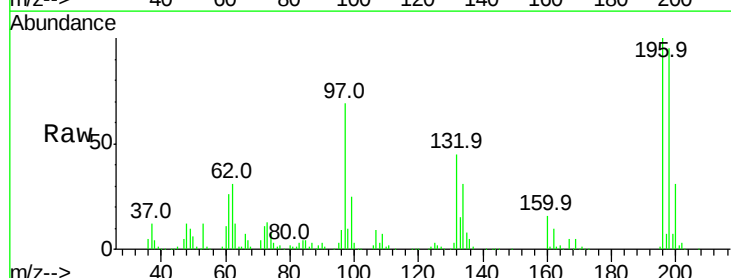
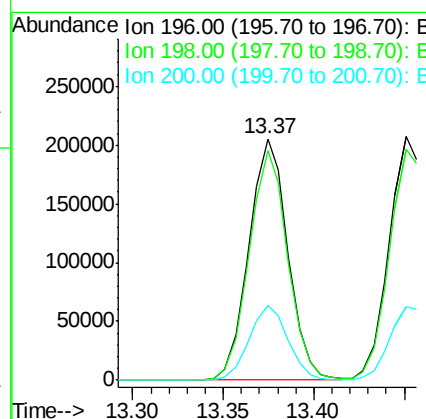
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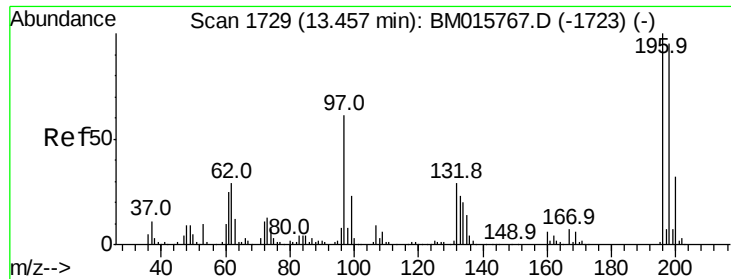
Sohil
 7/9/2018 1:56:06 PM



#42
 2,4,6-Trichlorophenol
 Concen: 53.845 ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	304935		
198	95.1	76.3	114.5	
200	30.7	25.6	38.4	





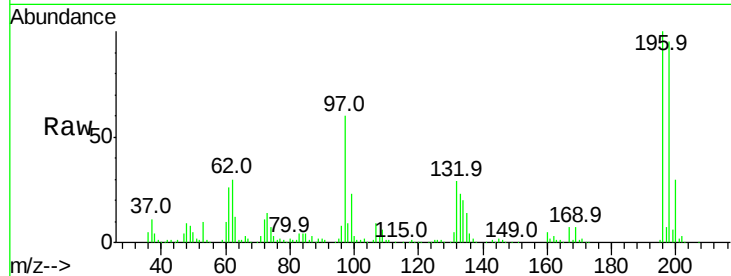
#43
 2,4,5-Trichlorophenol
 Concen: 52.489 ng
 RT: 13.45 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	321107		
198	95.0	79.4	119.0	
97	60.1	26.8	40.2	#
132	29.4	18.6	28.0	#

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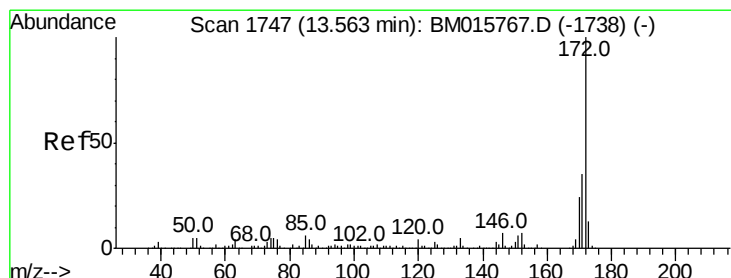
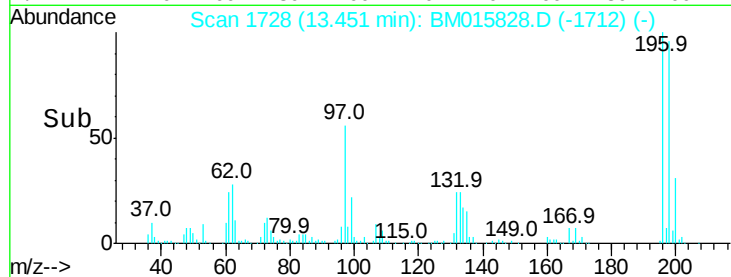
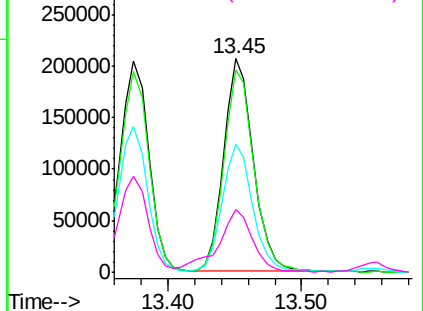
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 52.489 ng
 RT: 13.56 min Scan# 1746
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

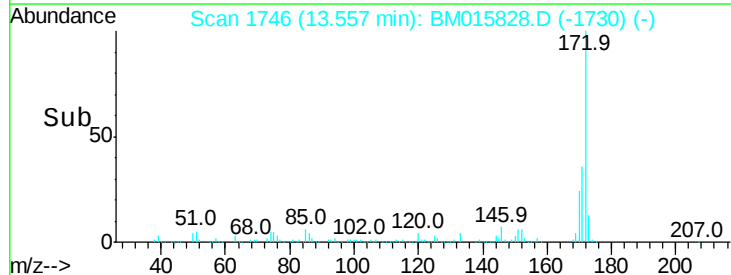
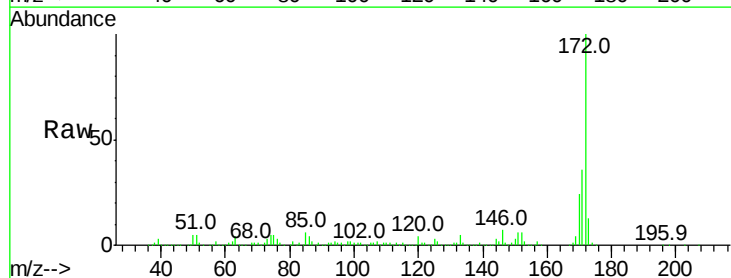
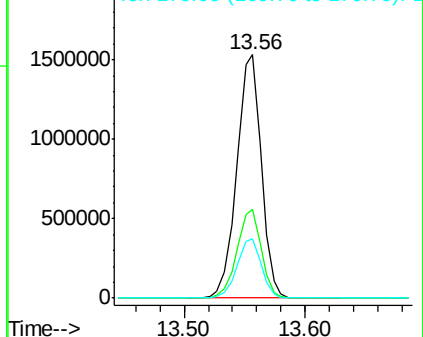
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2168128		
171	36.3	28.5	42.7	
170	24.3	18.8	28.2	

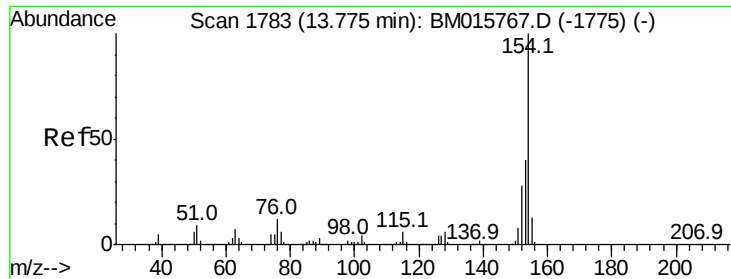
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





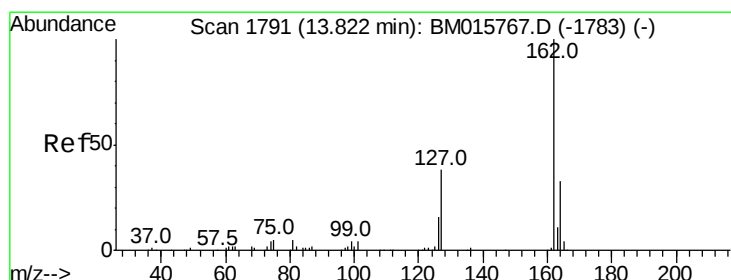
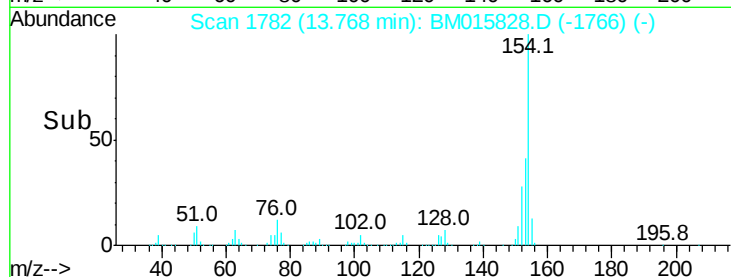
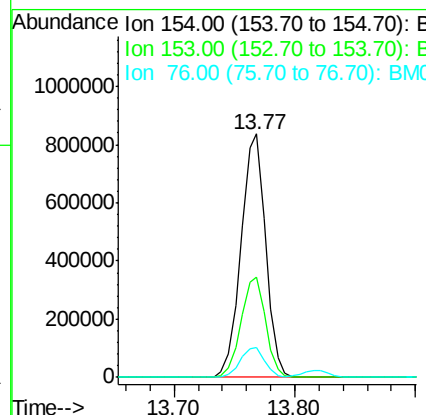
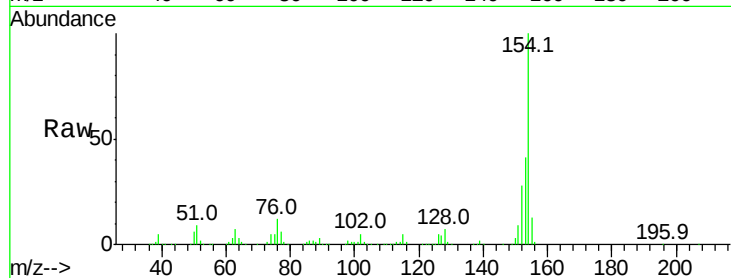
#45
 1,1'-Biphenyl
 Concen: 49.304 ng
 RT: 13.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.7	60.7
76	12.1	0.0	30.9

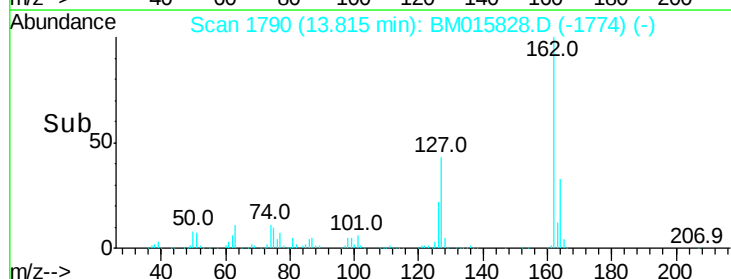
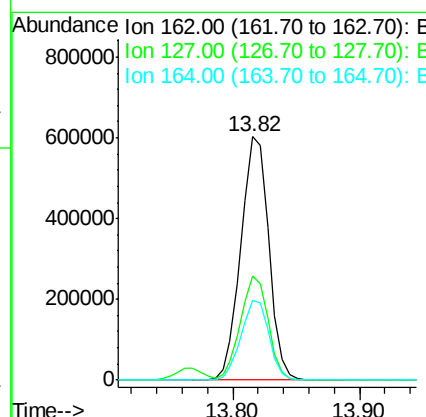
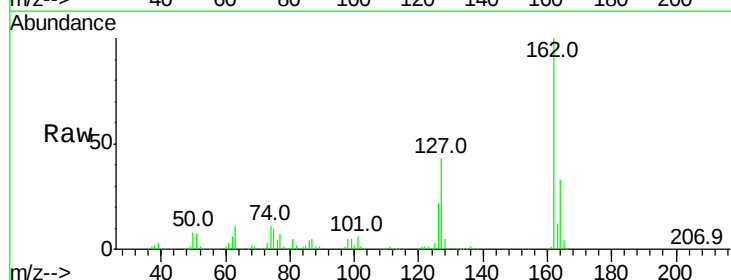
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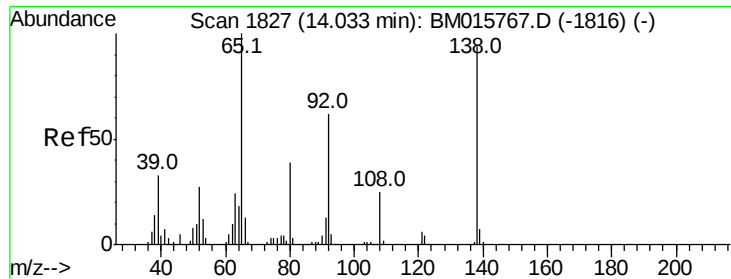
Sohil
 7/9/2018 1:56:06 PM



#46
 2-Chloronaphthalene
 Concen: 50.962 ng
 RT: 13.82 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.9	26.9	40.3#
164	32.8	26.8	40.2





#47

2-Nitroaniline

Concen: 49.665 ng

RT: 14.03 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion: 65 Resp: 312524

Ion Ratio Lower Upper

65 100

92 62.7 59.1 88.7

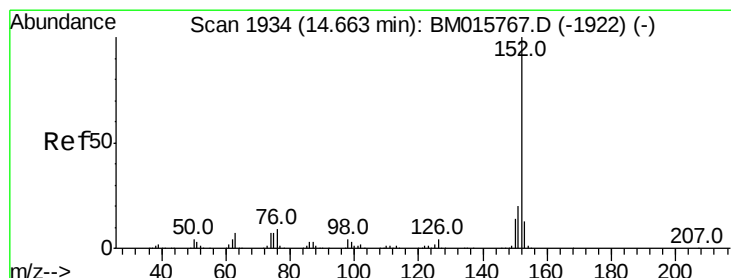
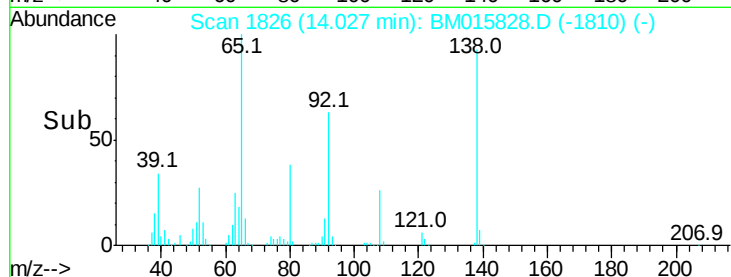
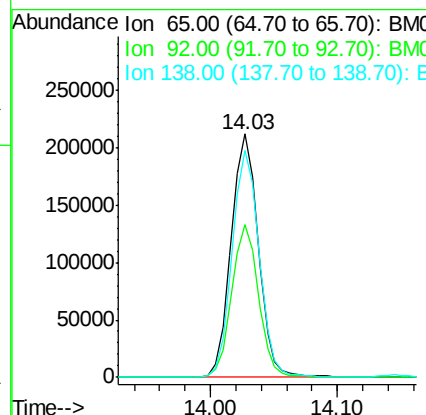
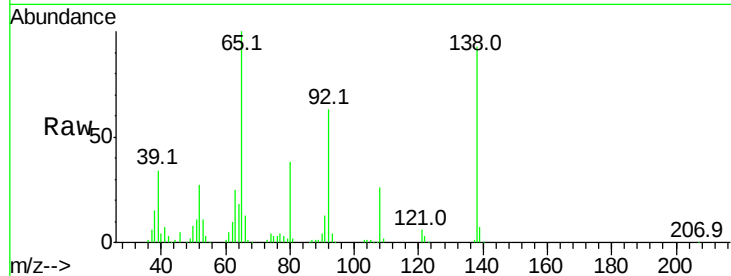
138 93.1 93.9 140.9#

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#48

Acenaphthylene

Concen: 51.247 ng

RT: 14.66 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

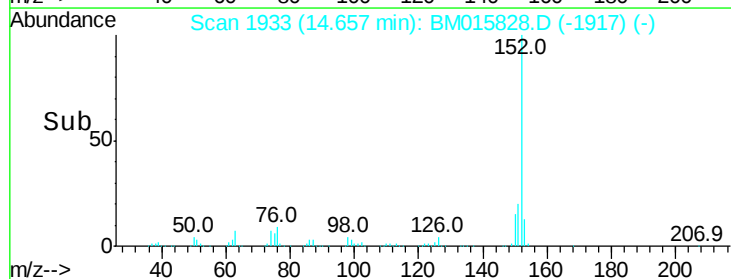
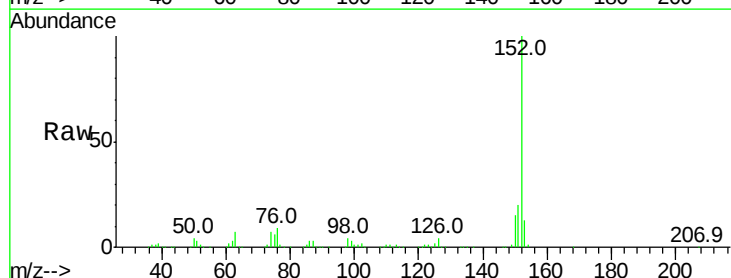
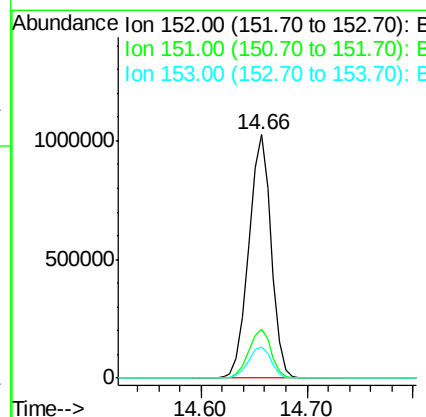
Tgt Ion: 152 Resp: 1504302

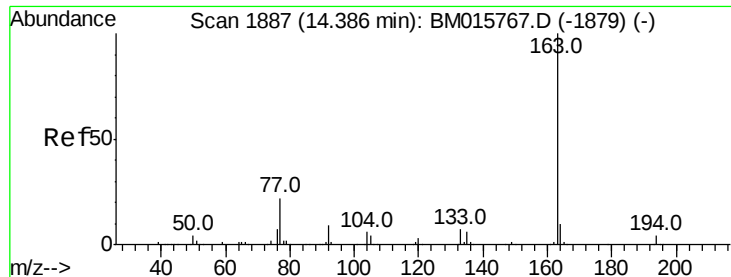
Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.0 10.6 16.0





#49

Dimethylphthalate

Concen: 48.538 ng

RT: 14.38 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:163 Resp: 1194910

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

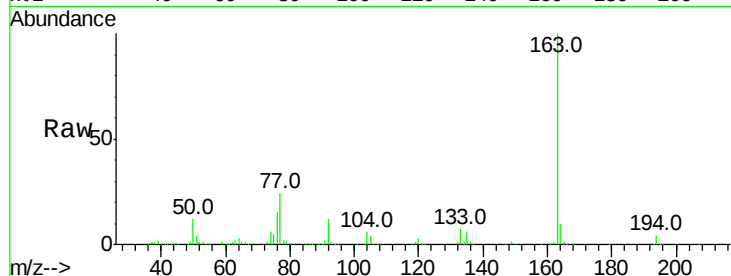
164 10.1 8.2 12.2

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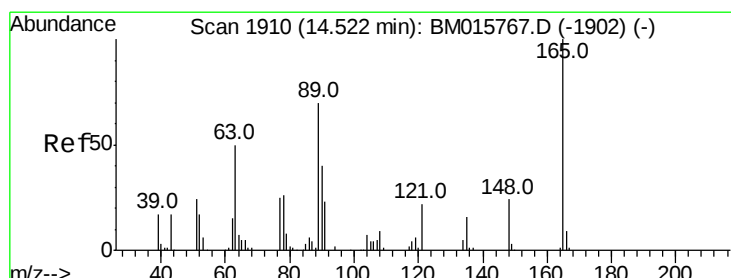
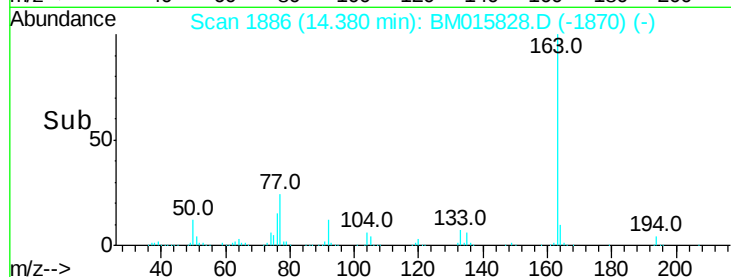
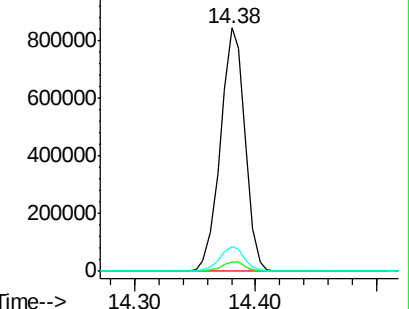
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 52.063 ng

RT: 14.52 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

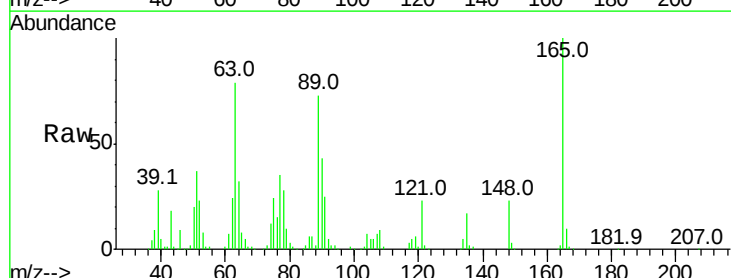
Tgt Ion:165 Resp: 249900

Ion Ratio Lower Upper

165 100

63 79.5 44.1 66.1#

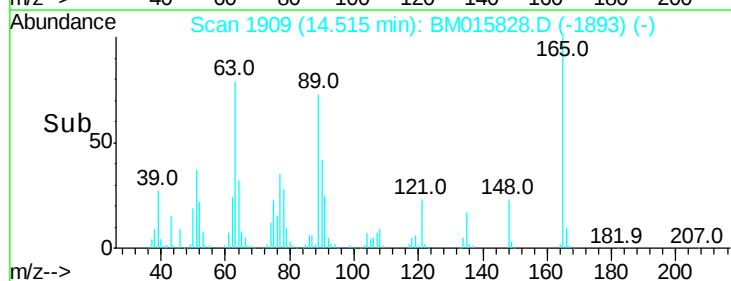
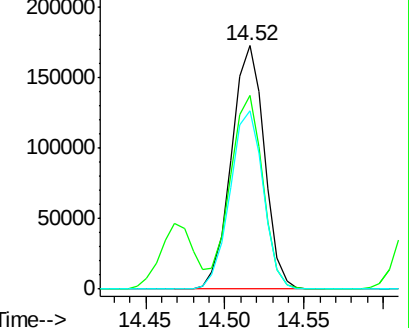
89 73.1 44.3 66.5#

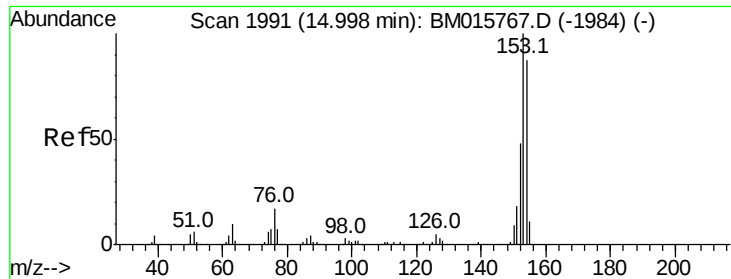


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM





#51

Acenaphthene

Concen: 47.699 ng

RT: 14.99 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:154 Resp: 871269

Ion Ratio Lower Upper

154 100

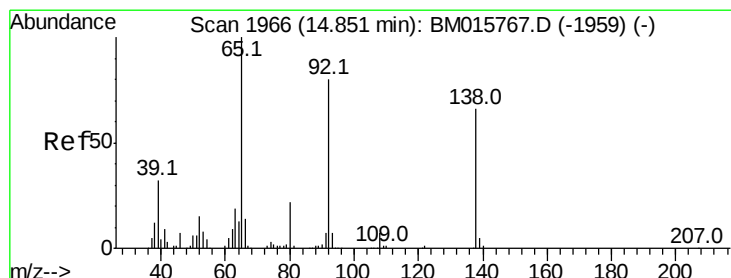
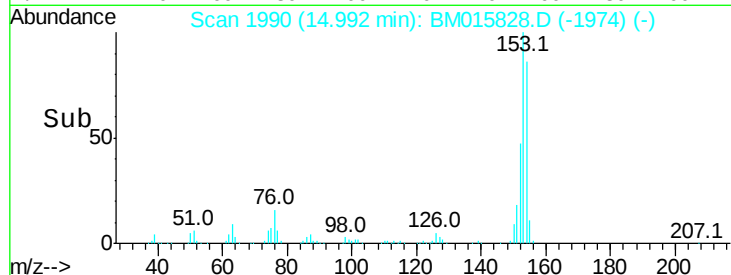
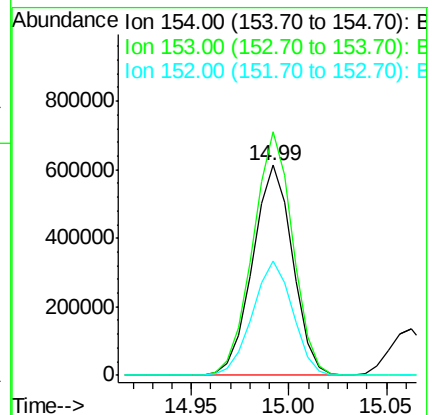
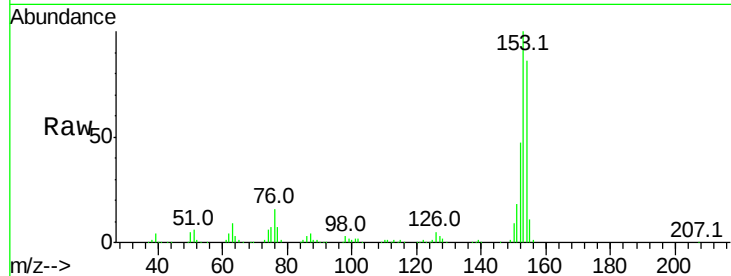
153 116.0 90.0 135.0

152 54.7 42.6 63.8

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#52

3-Nitroaniline

Concen: 19.494 ng

RT: 14.84 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

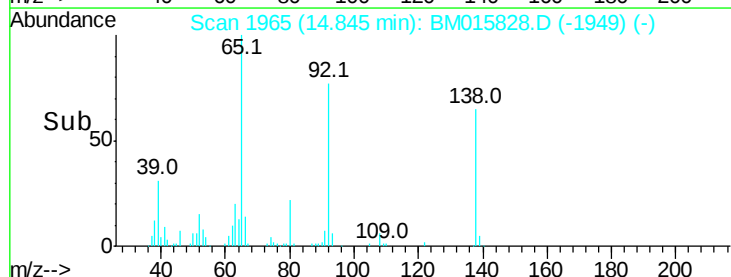
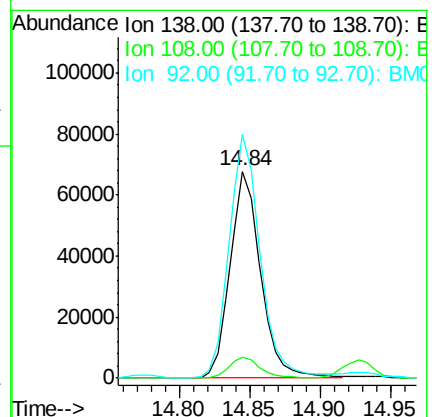
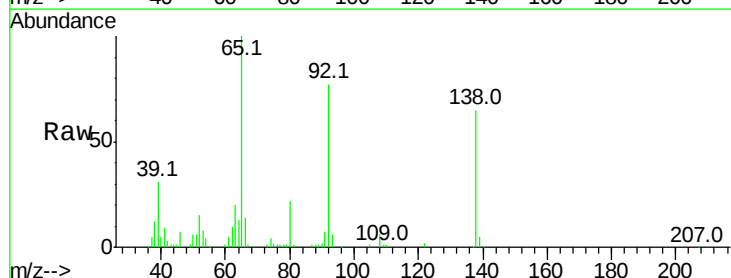
Tgt Ion:138 Resp: 102420

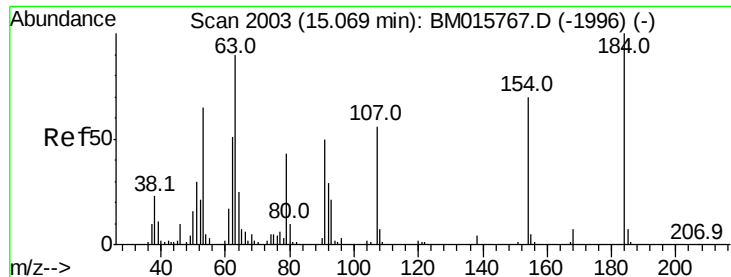
Ion Ratio Lower Upper

138 100

108 9.9 7.3 10.9

92 117.9 76.6 114.8#





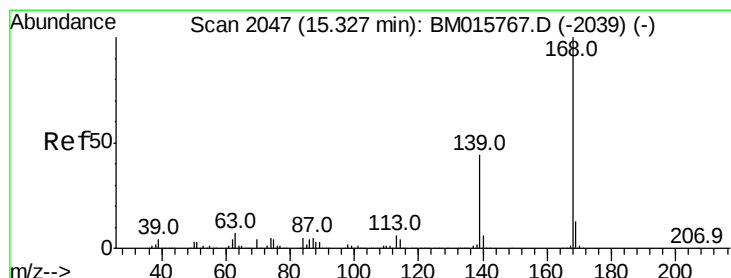
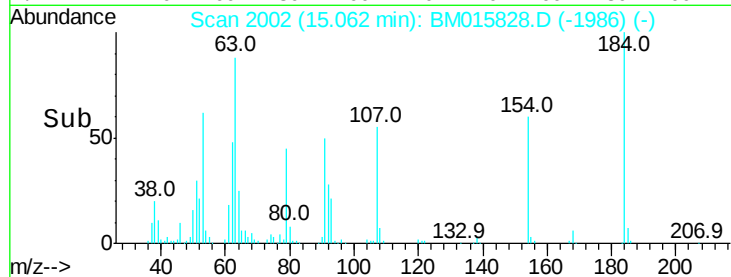
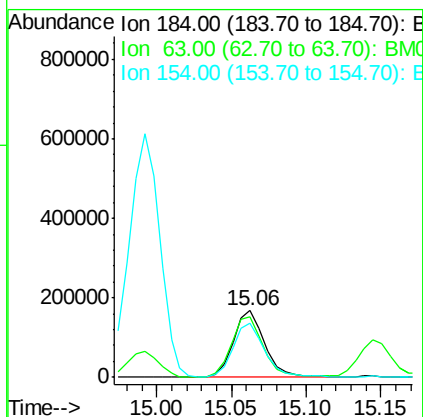
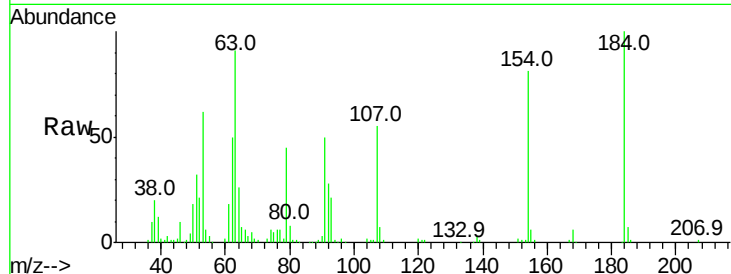
#53
2,4-Dinitrophenol
Concen: 100.680 ng
RT: 15.06 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	90.7	69.2	103.8
154	81.3	53.3	79.9#

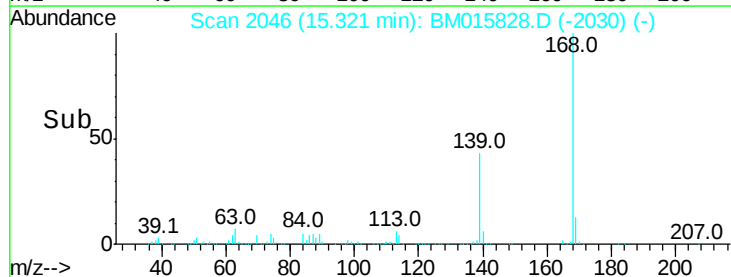
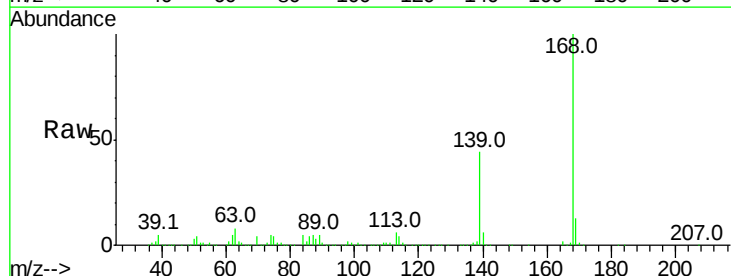
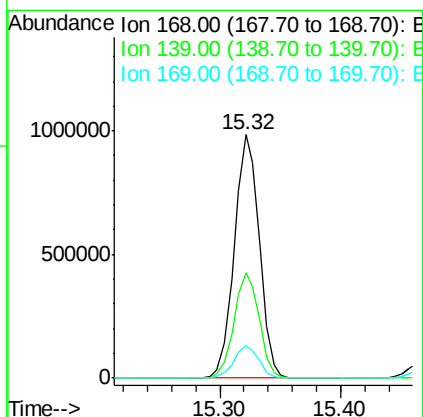
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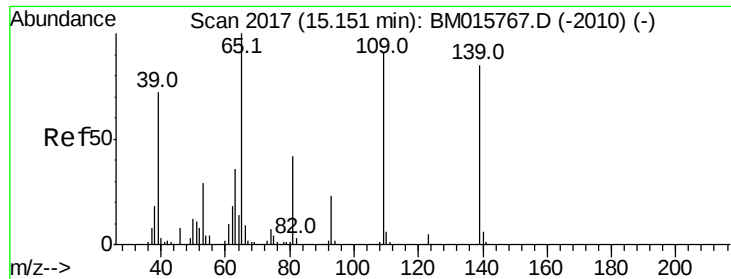
Sohil
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#54
Dibenzofuran
Concen: 50.262 ng
RT: 15.32 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.5	27.3	40.9#
169	13.1	10.6	16.0





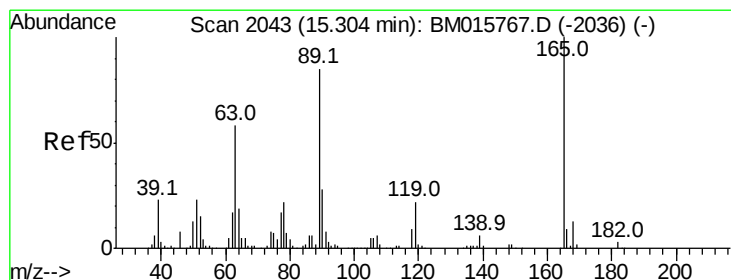
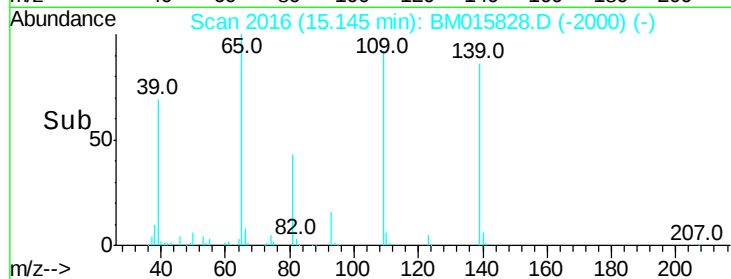
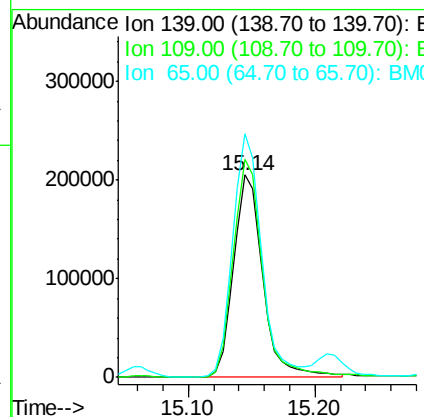
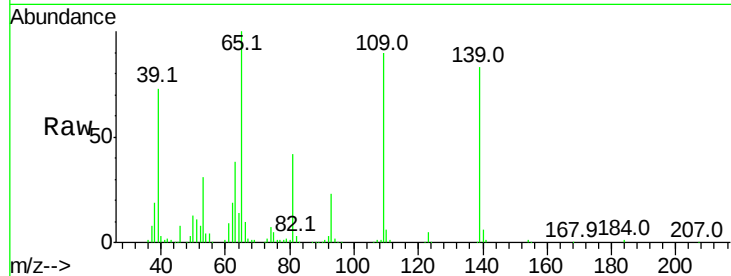
#55
4-Nitrophenol
Concen: 84.473 ng
RT: 15.14 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	107.6	130.0	170.0#	
65	120.2	130.0	170.0#	

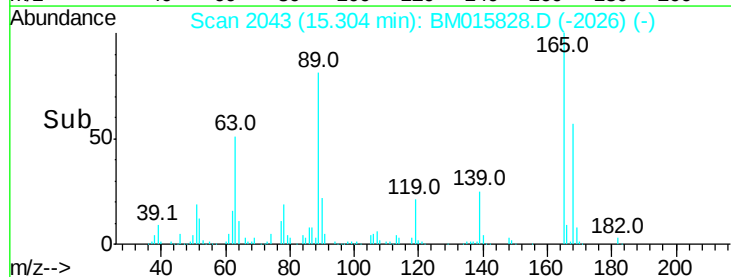
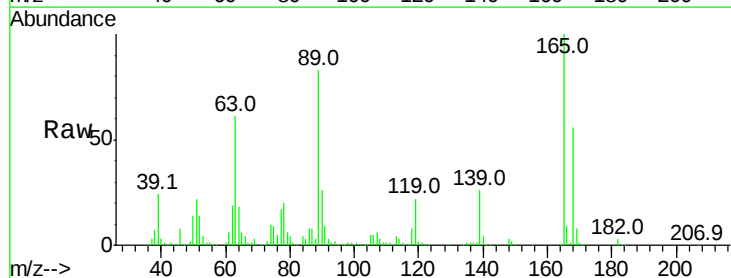
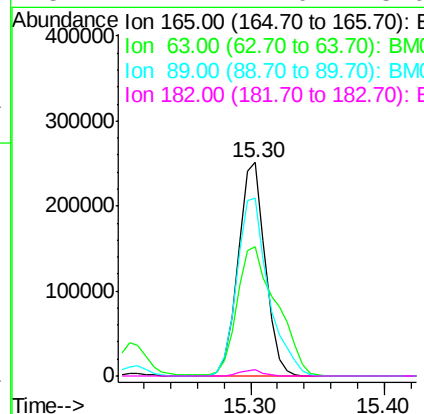
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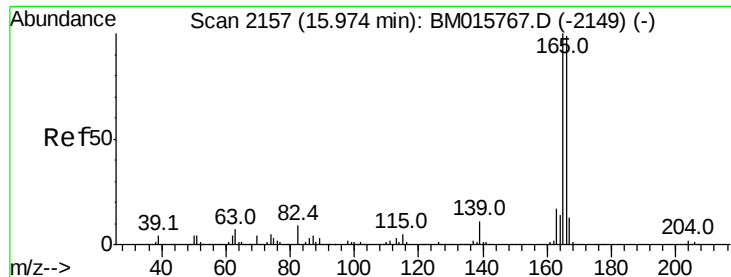
Sohil
7/9/2018 1:56:06 PM



#56
2,4-Dinitrotoluene
Concen: 50.965 ng
RT: 15.30 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	60.8	52.4	78.6	
89	83.3	72.4	108.6	
182	2.7	2.0	3.0	





#57

Fluorene

Concen: 49.775 ng

RT: 15.97 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:166 Resp: 1155292

Ion Ratio Lower Upper

166 100

165 98.9 79.0 118.4

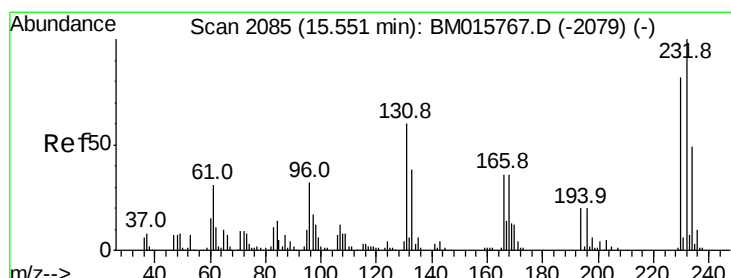
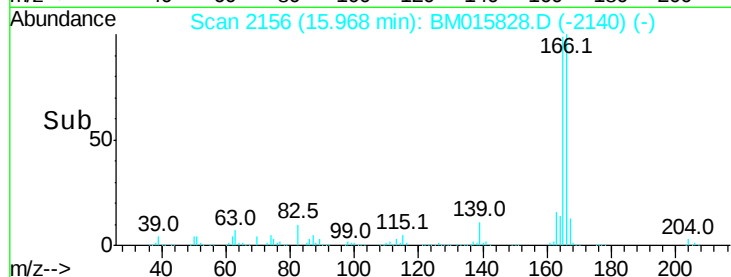
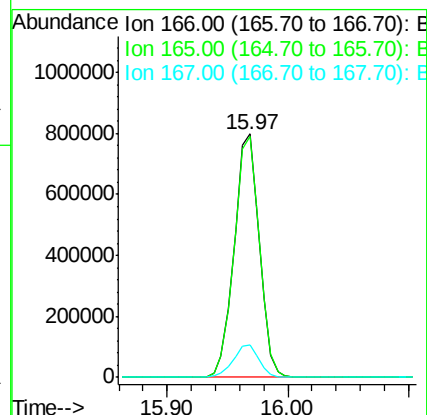
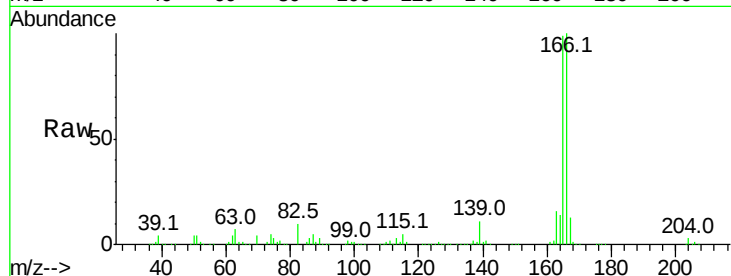
167 13.2 10.3 15.5

Manual Integrations

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#58

2,3,4,6-Tetrachlorophenol

Concen: 54.039 ng

RT: 15.54 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion:232 Resp: 278965

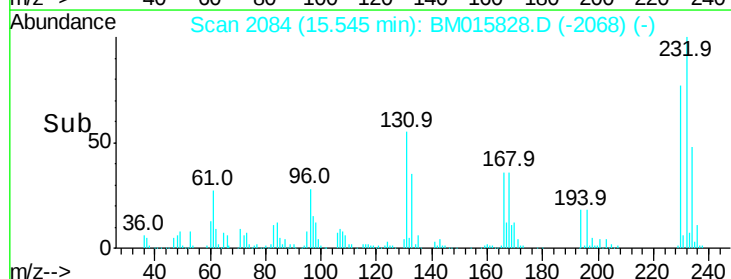
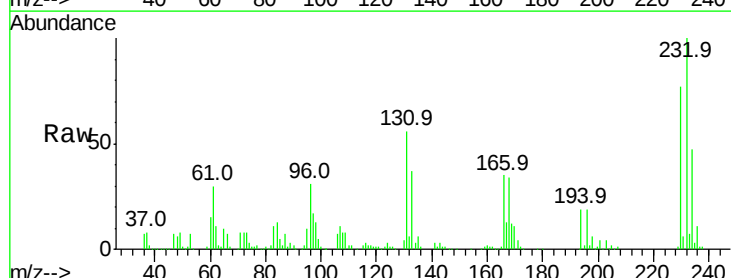
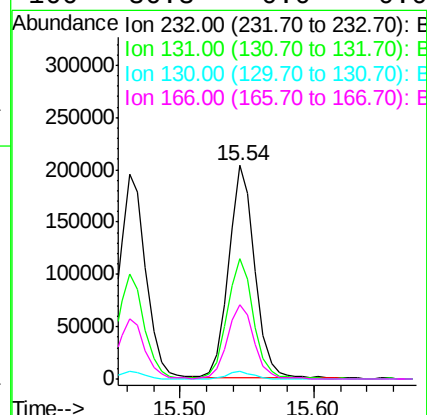
Ion Ratio Lower Upper

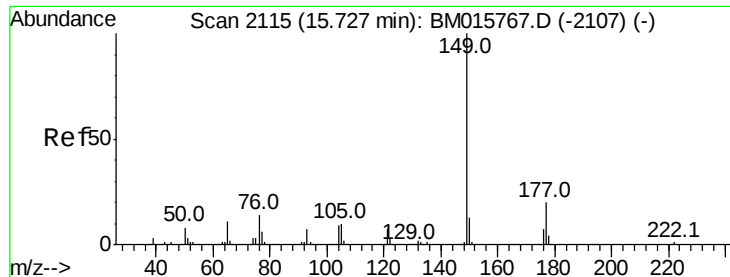
232 100

131 56.8 0.0 0.0#

130 3.6 0.0 0.0#

166 36.3 0.0 0.0#





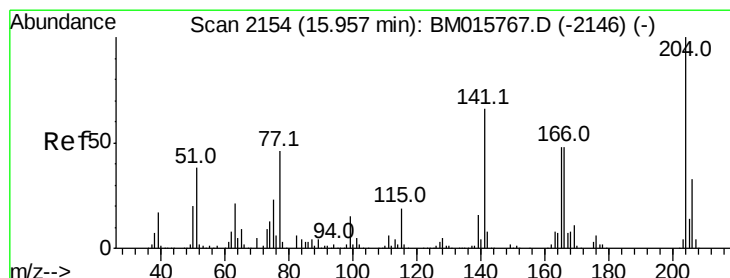
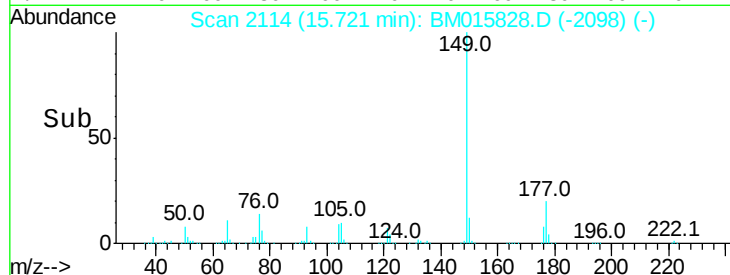
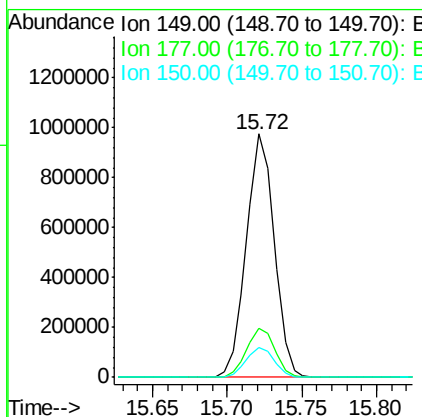
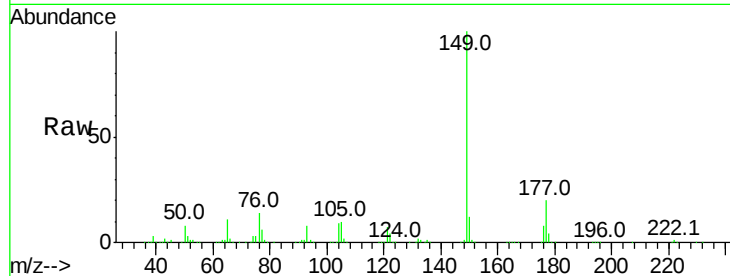
#59
Diethylphthalate
Concen: 47.811 ng
RT: 15.72 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.0	18.3	27.5
150	12.3	9.8	14.8

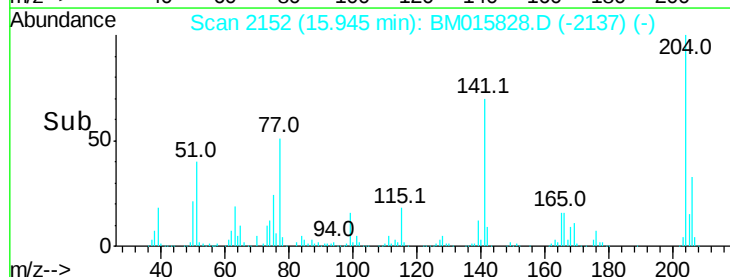
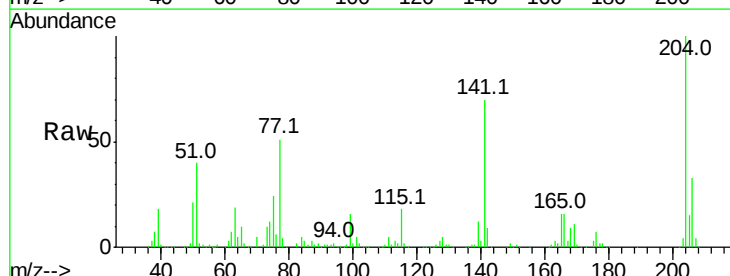
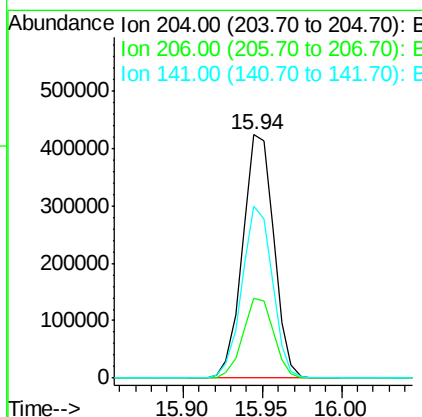
Manual Integrations
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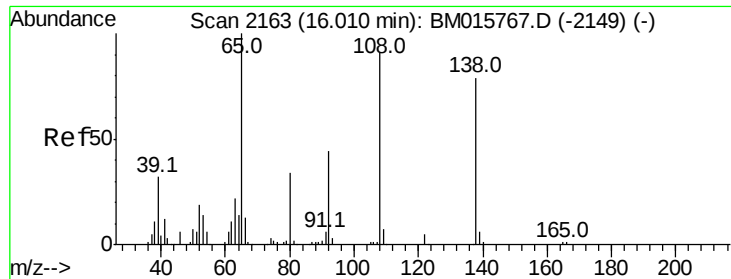
Sohil
7/9/2018 1:56:06 PM



#60
4-Chlorophenyl-phenylether
Concen: 48.396 ng
RT: 15.94 min Scan# 2152
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.6	39.8
141	70.4	45.2	67.8





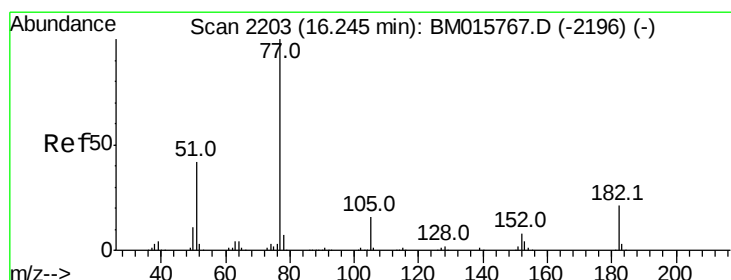
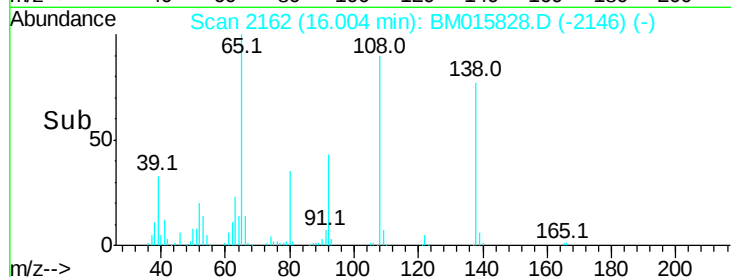
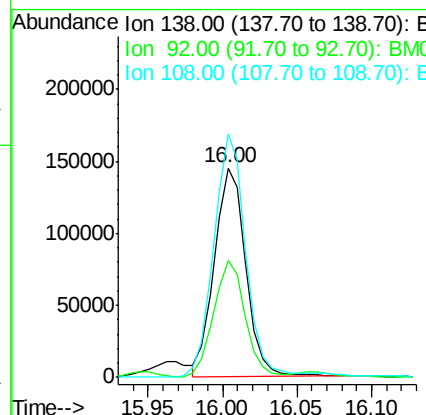
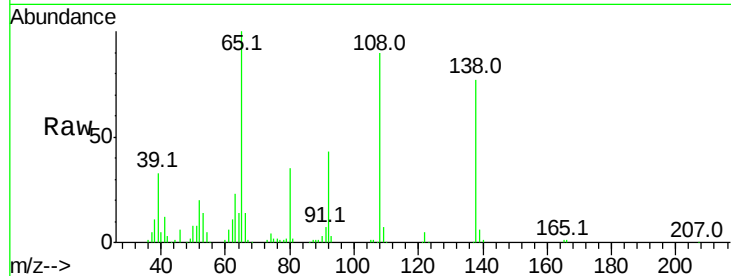
#61
4-Nitroaniline
Concen: 38.874 ng
RT: 16.00 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	56.0	16.7	56.7
108	116.4	37.6	77.6

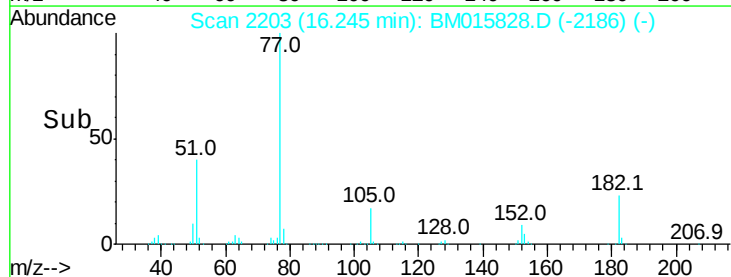
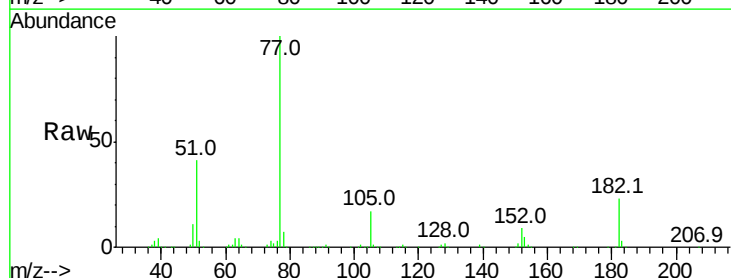
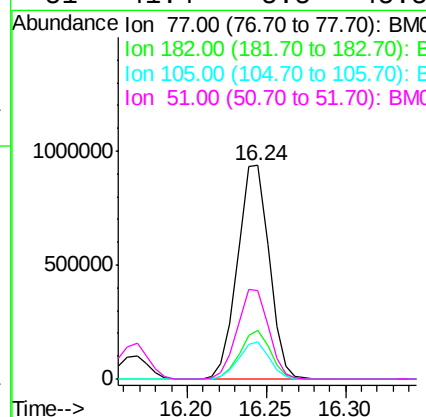
Manual Integrations
APPROVED

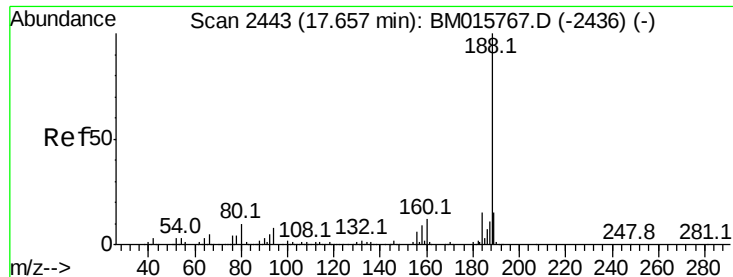
Sohil
7/9/2018 1:56:06 PM



#62
Azobenzene
Concen: 52.585 ng
RT: 16.24 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.6	6.5	46.5
105	17.1	3.8	43.8
51	41.4	5.5	45.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.65 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

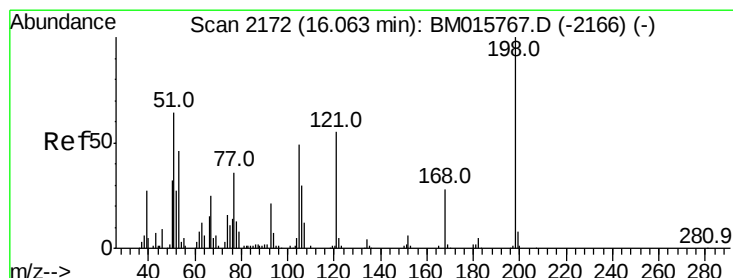
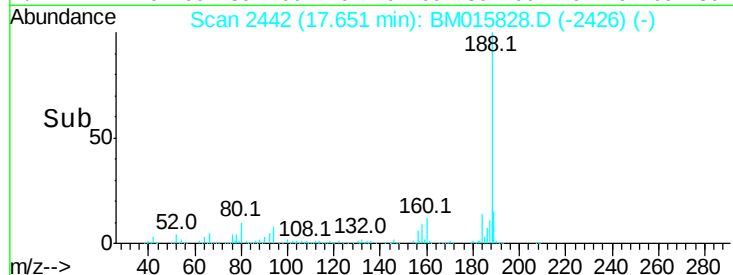
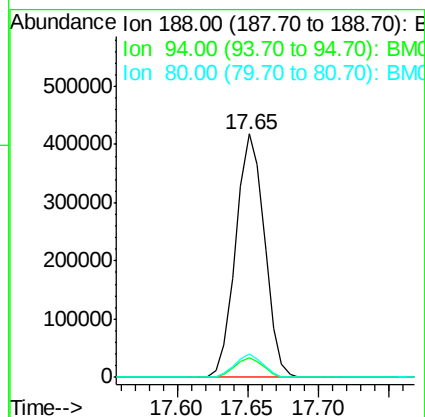
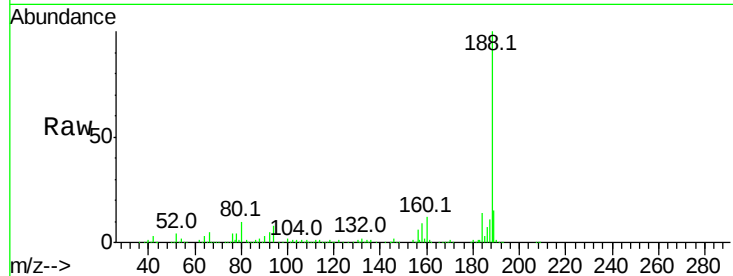
ClientSampleId :

BU-03-070318MSD

Tot Ion:	188	Resp:	595216
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.7	13.1#
80	9.6	9.3	13.9

Manual Integrations
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7/9/2018 1:56:06 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 46.756 ng

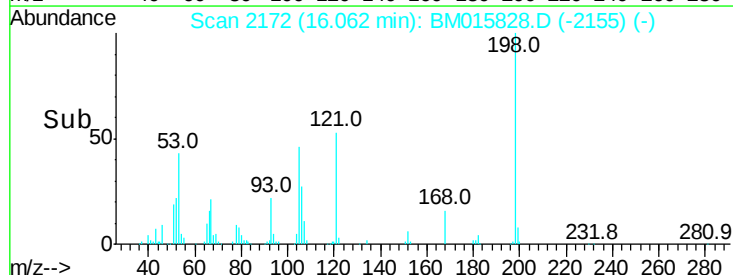
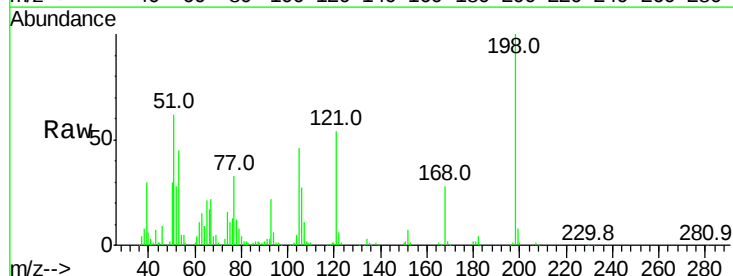
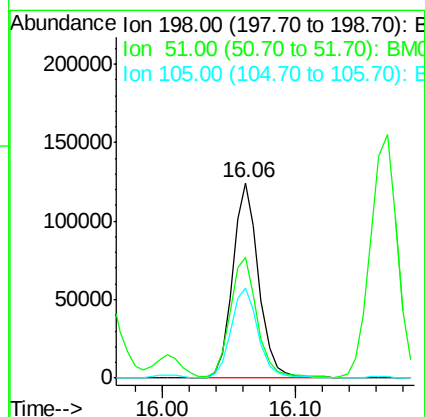
RT: 16.06 min Scan# 2172

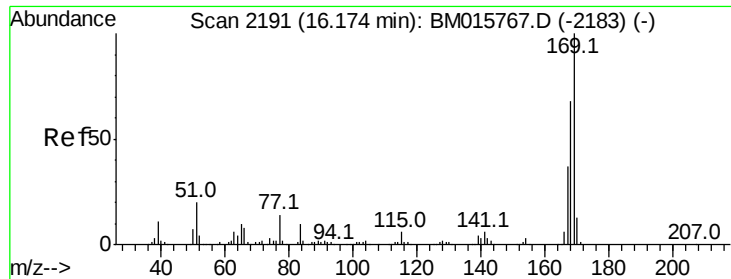
Delta R.T. -0.00 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion:	198	Resp:	169185
Ion Ratio	Lower	Upper	
198	100		
51	62.0	28.8	68.8
105	46.2	30.5	70.5





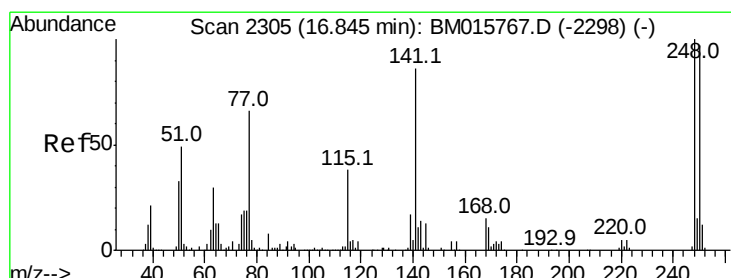
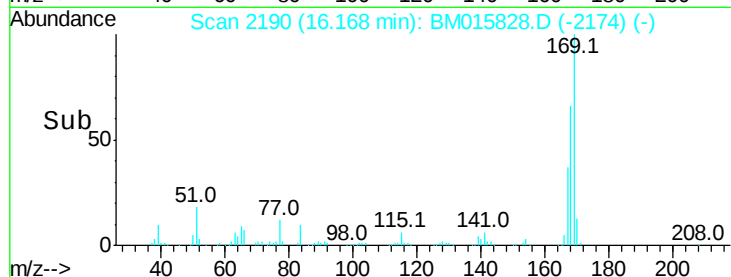
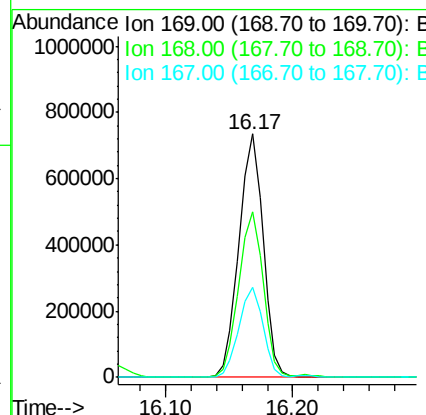
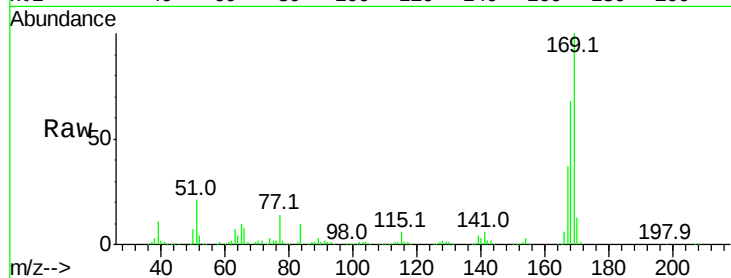
#65
n-Nitrosodiphenylamine
Concen: 47.429 ng
RT: 16.17 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	967317		
168	67.8	53.9	80.9	
167	37.1	28.9	43.3	

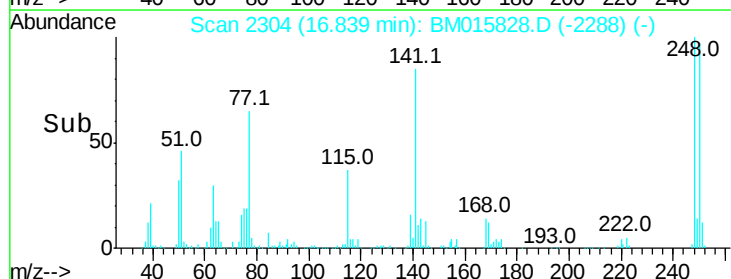
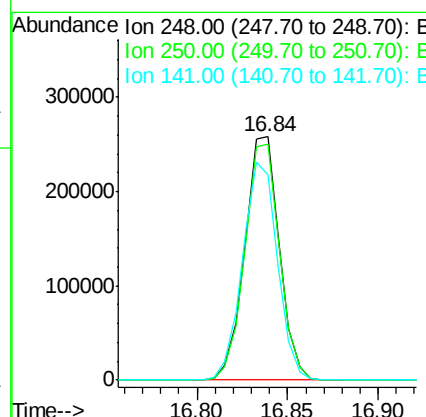
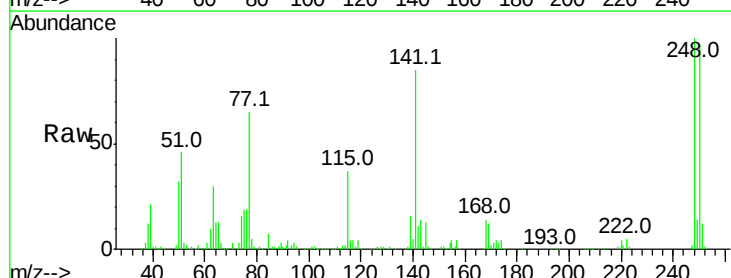
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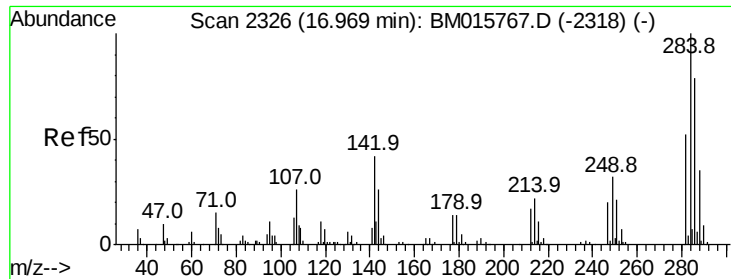
Sohil
7/9/2018 1:56:06 PM



#66
4-Bromophenyl-phenylether
Concen: 51.487 ng
RT: 16.84 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	342172		
250	97.0	77.4	116.0	
141	84.5	45.2	67.8#	





#67

Hexachlorobenzene

Concen: 50.088 ng

RT: 16.96 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

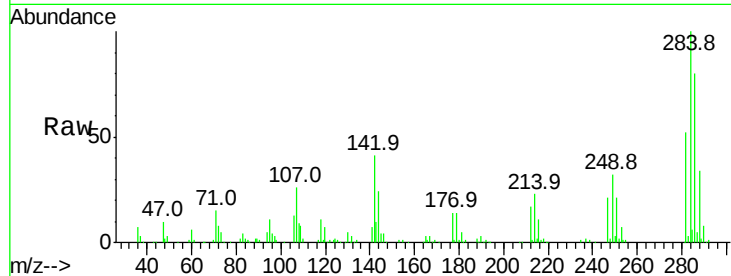
ClientSampleId :

BU-03-070318MSD

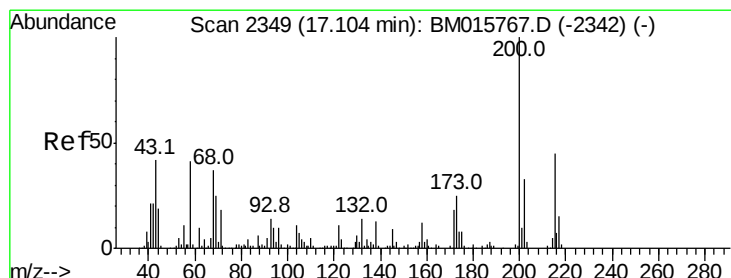
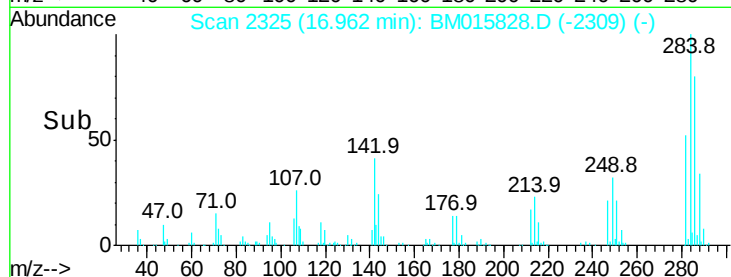
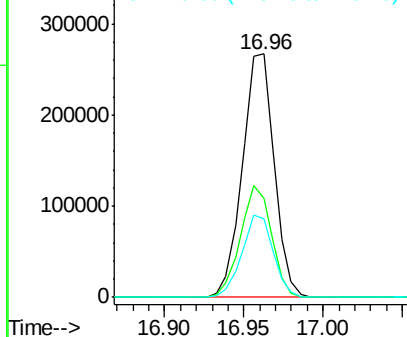
Tot Ion:	284	Resp:	371963
Ion Ratio	Lower	Upper	
284	100		
142	40.8	20.4	30.6#
249	32.3	23.8	35.6

Manual Integrations
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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



#68

Atrazine

Concen: 52.288 ng

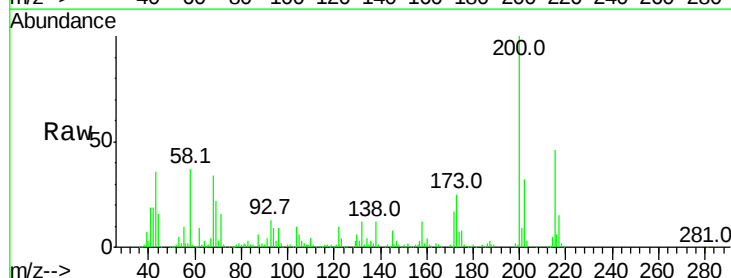
RT: 17.10 min Scan# 2349

Delta R.T. -0.00 min

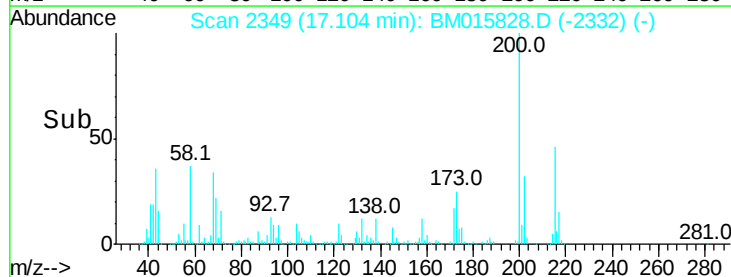
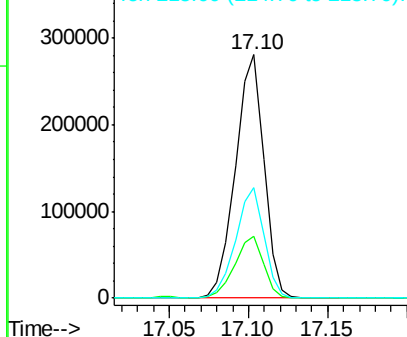
Lab File: BM015828.D

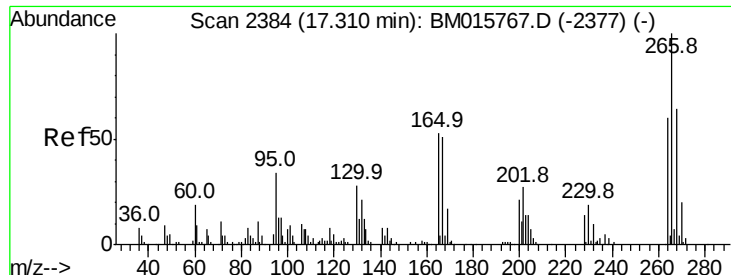
Acq: 07 Jul 2018 07:24

Tgt Ion:	200	Resp:	350778
Ion Ratio	Lower	Upper	
200	100		
173	25.2	4.8	44.8
215	45.5	26.9	66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





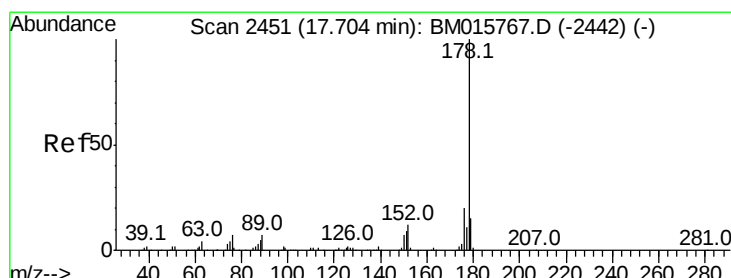
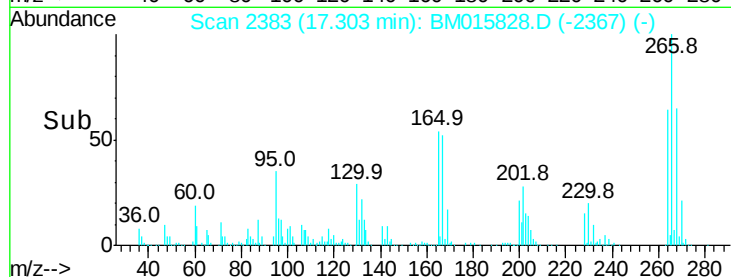
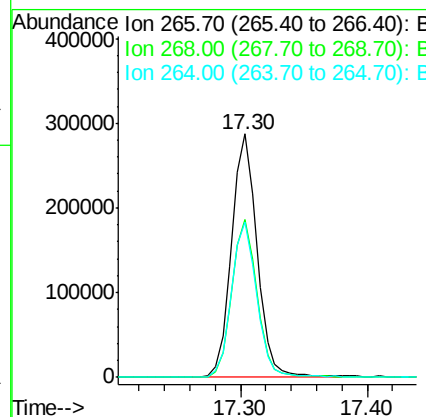
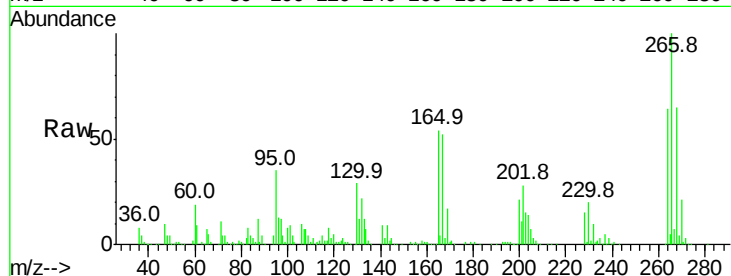
#69
 Pentachlorophenol
 Concen: 86.863 ng
 RT: 17.30 min Scan# 2383
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	399155		
268	65.1	52.0	78.0	
264	63.5	49.0	73.4	

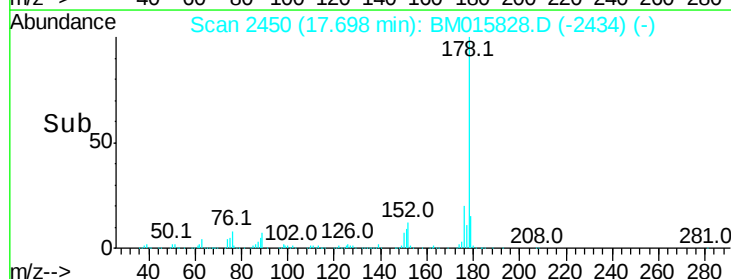
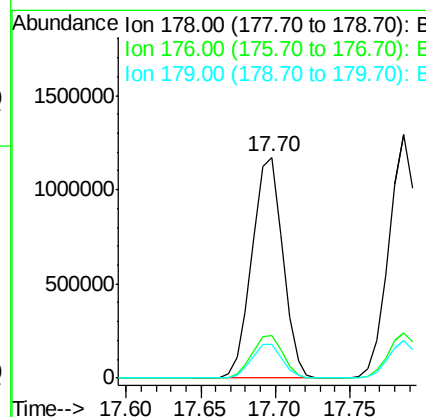
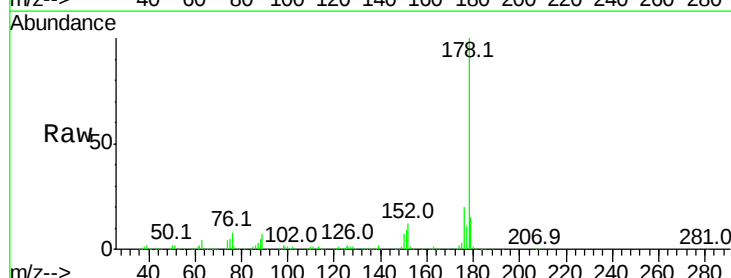
Manual Integrations
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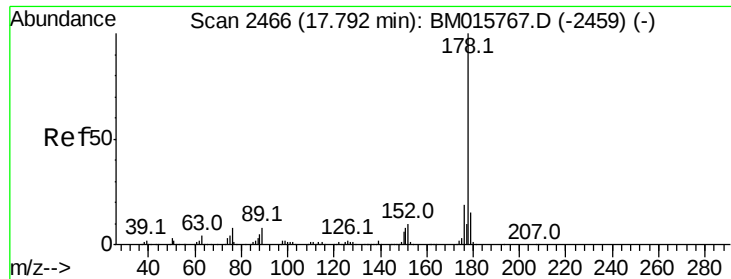
Sohil
 7/9/2018 1:56:06 PM



#70
 Phenanthrene
 Concen: 49.060 ng
 RT: 17.70 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1670634		
176	19.5	15.2	22.8	
179	15.0	12.1	18.1	





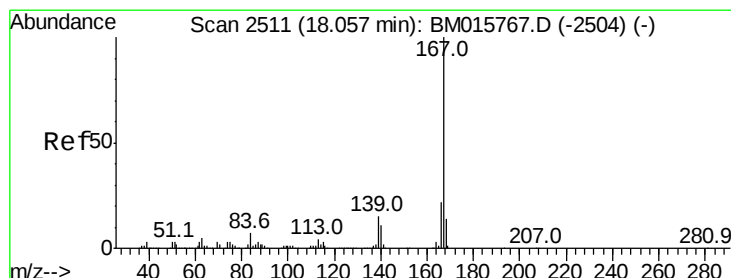
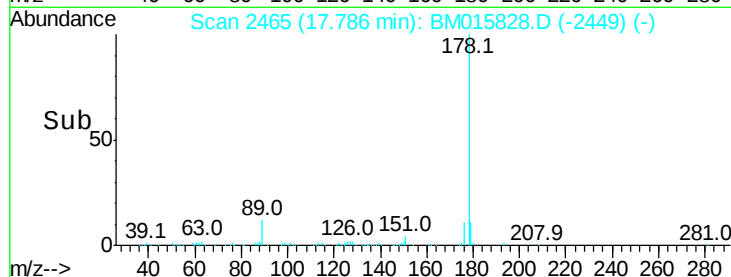
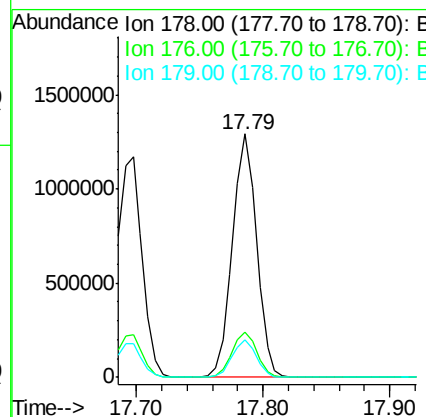
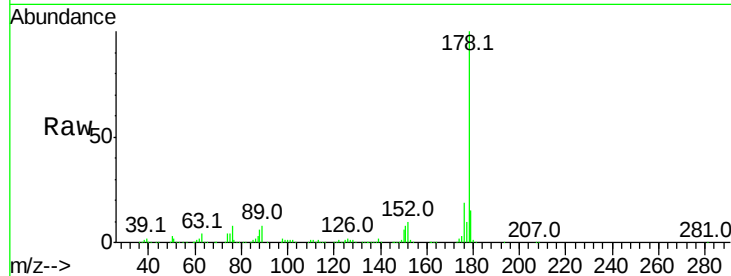
#71
 Anthracene
 Concen: 50.892 ng
 RT: 17.79 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.6	19.0

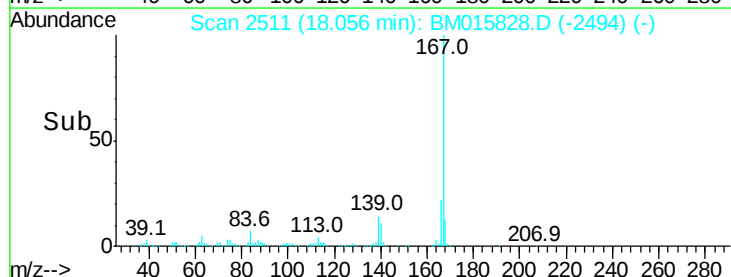
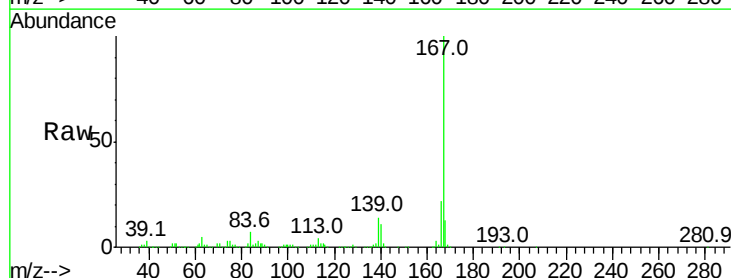
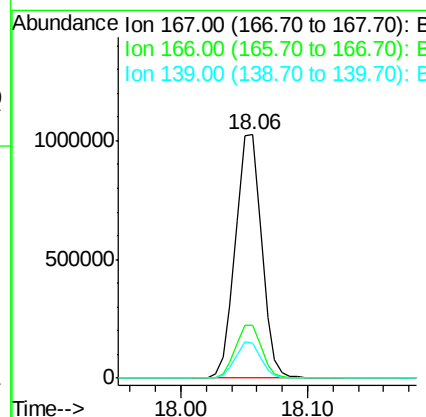
Manual Integrations
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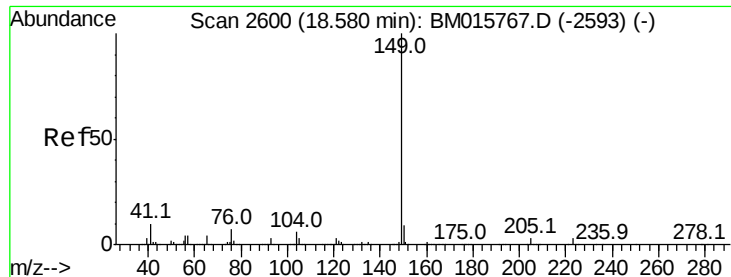
Sohil
 7/9/2018 1:56:06 PM



#72
 Carbazole
 Concen: 47.028 ng
 RT: 18.06 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	14.3	10.8	16.2





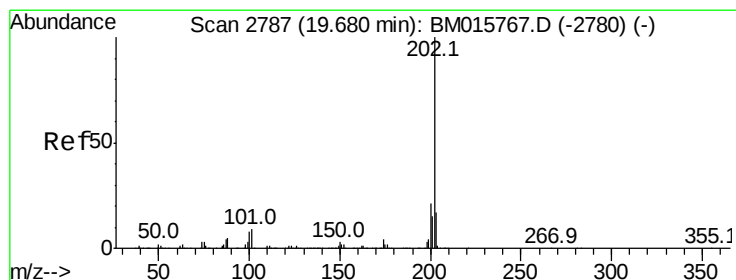
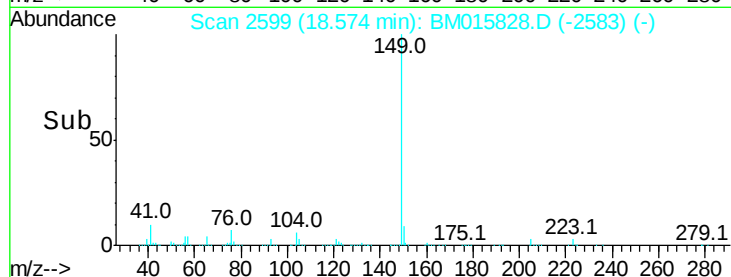
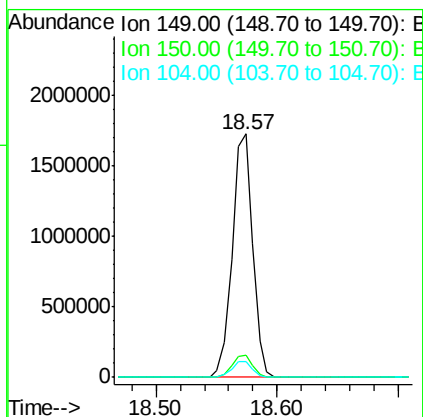
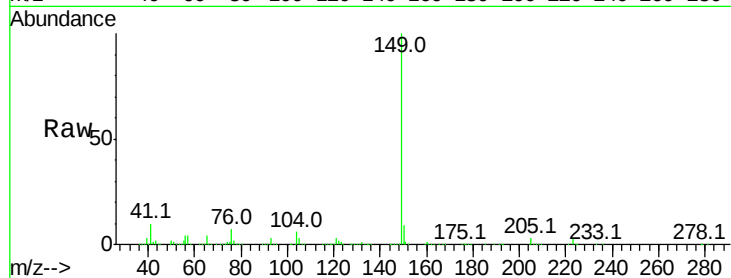
#73
Di-n-butylphthalate
Concen: 48.460 ng
RT: 18.57 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.3	3.7	5.5

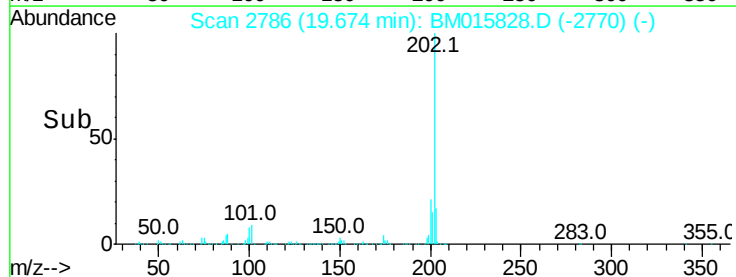
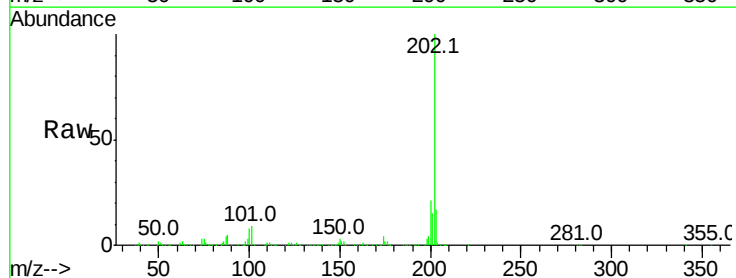
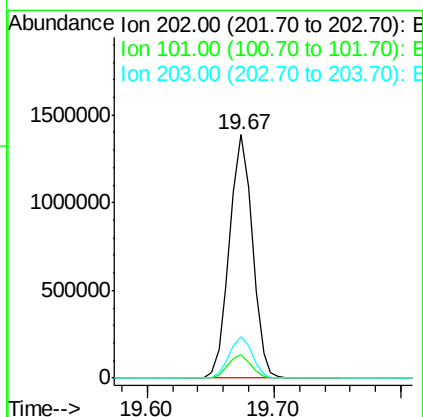
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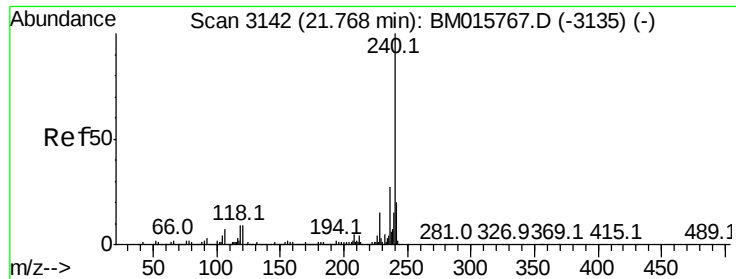
Sohil
7/9/2018 1:56:06 PM



#74
Fluoranthene
Concen: 44.407 ng
RT: 19.67 min Scan# 2786
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	28.7
203	17.3	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

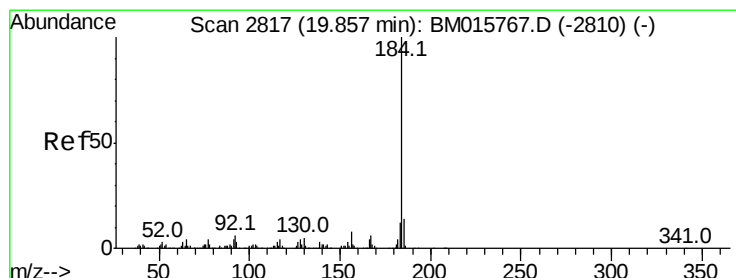
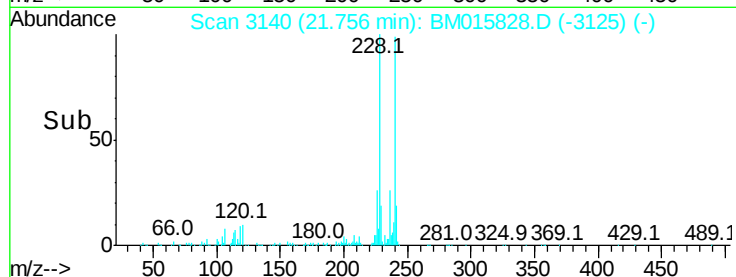
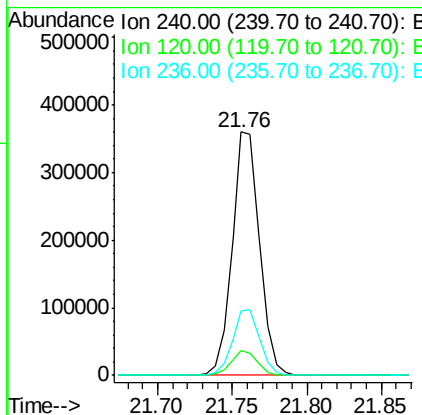
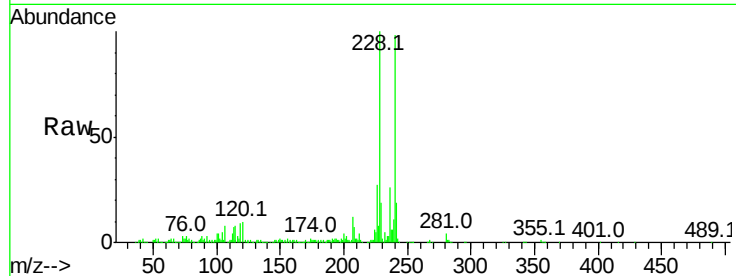
ClientSampleId :

BU-03-070318MSD

Tot Ion:	240	Resp:	460672
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.2	12.2
236	26.4	20.0	30.0

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Sohil
7/9/2018 1:56:06 PM



#76

Benzidine

Concen: 16.464 ng

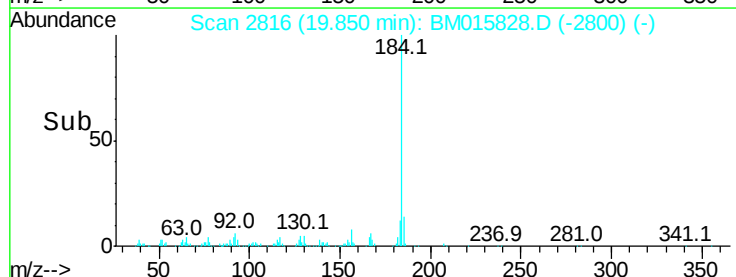
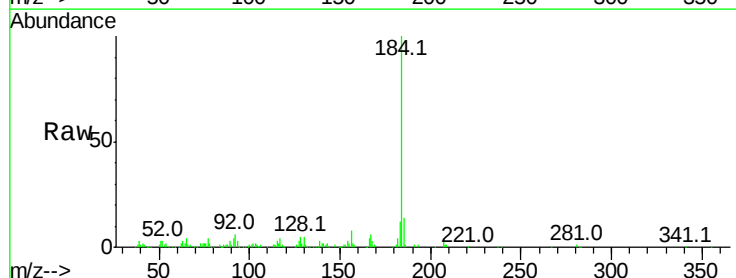
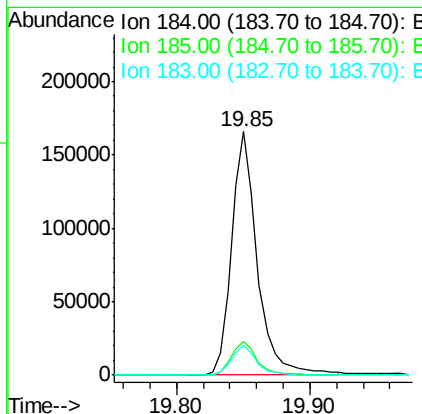
RT: 19.85 min Scan# 2816

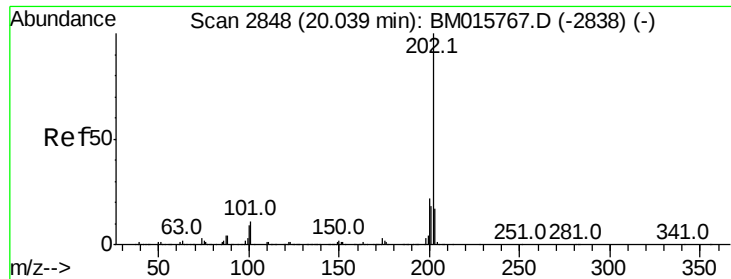
Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Tgt Ion:	184	Resp:	222218
Ion Ratio	Lower	Upper	
184	100		
185	13.8	11.3	16.9
183	12.3	8.9	13.3





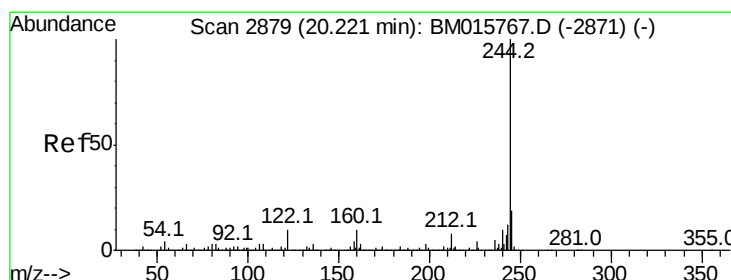
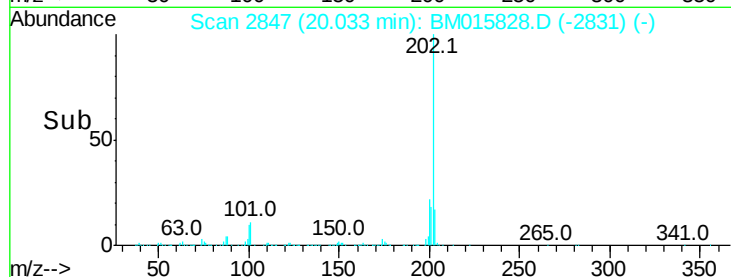
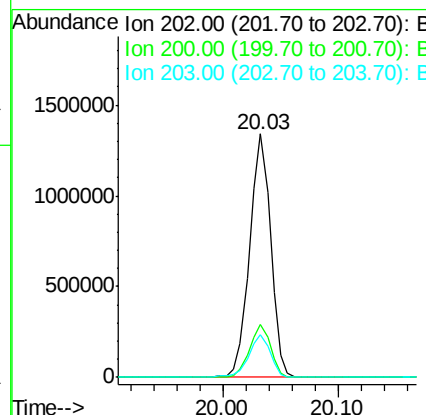
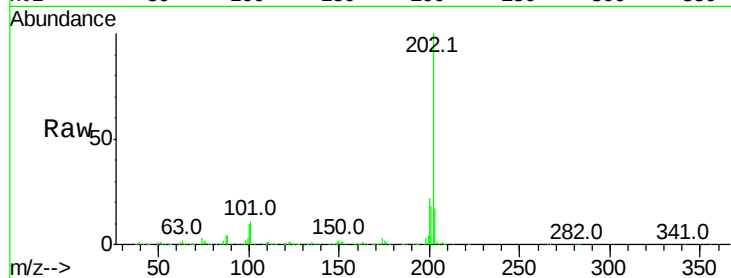
#77
Pvrene
Concen: 59.287 ng
RT: 20.03 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.4	14.1	21.1

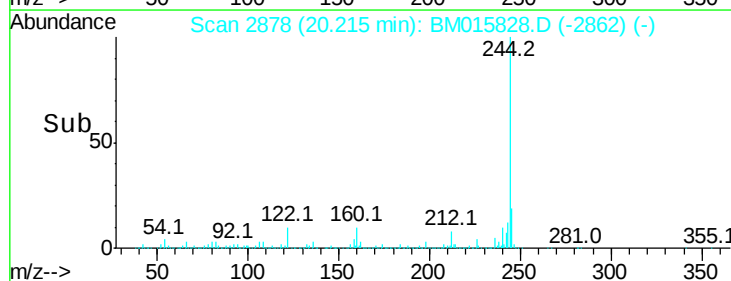
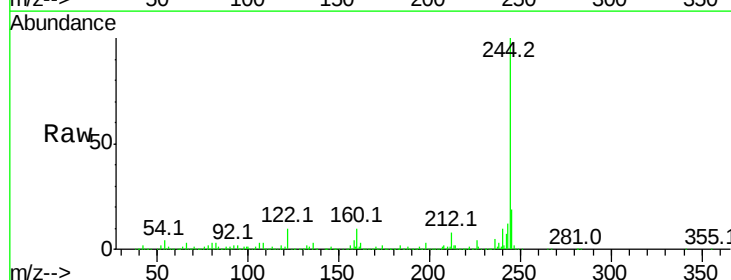
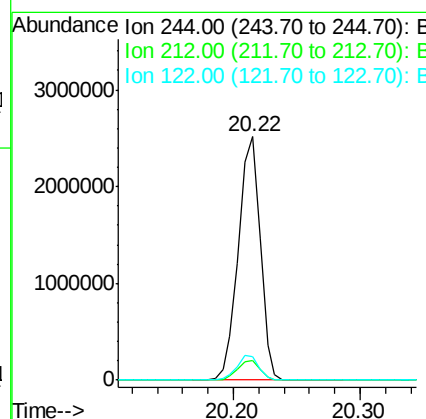
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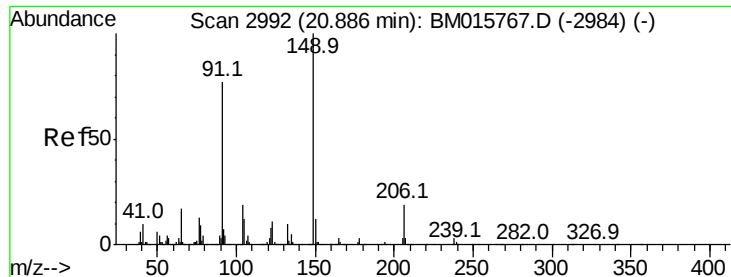
Sohil
7/9/2018 1:56:06 PM



#78
Terphenyl-d14
Concen: 59.287 ng
RT: 20.22 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.9	7.3#
122	9.9	6.2	9.4#





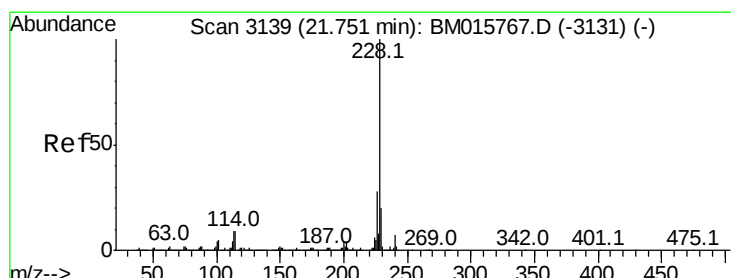
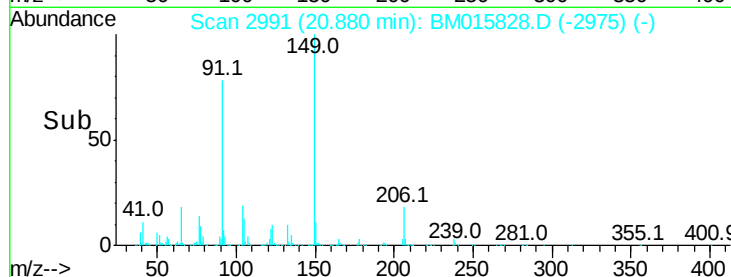
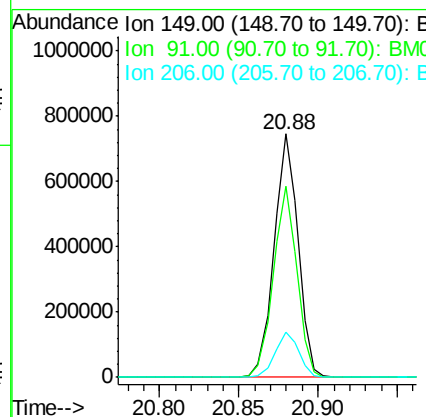
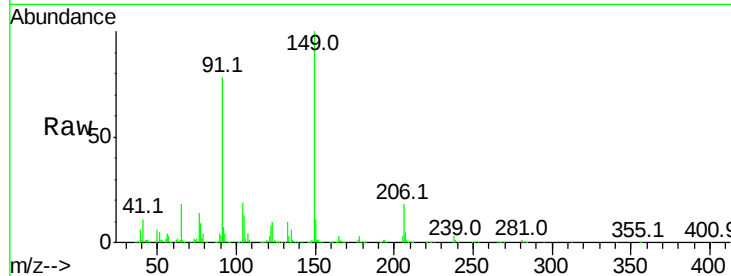
#79
Butylbenzylphthalate
Concen: 56.705 ng
RT: 20.88 min Scan# 2991
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	78.4	50.1	75.1#
206	18.4	16.2	24.2

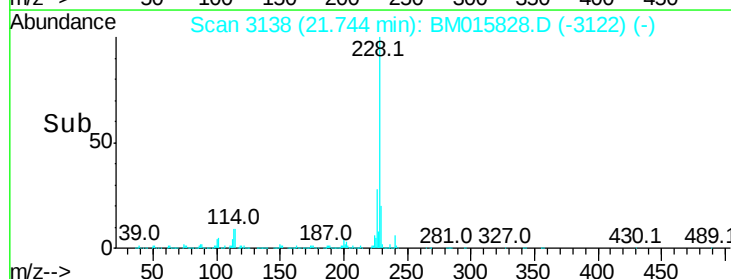
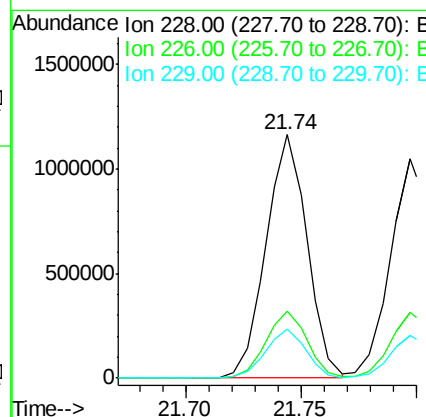
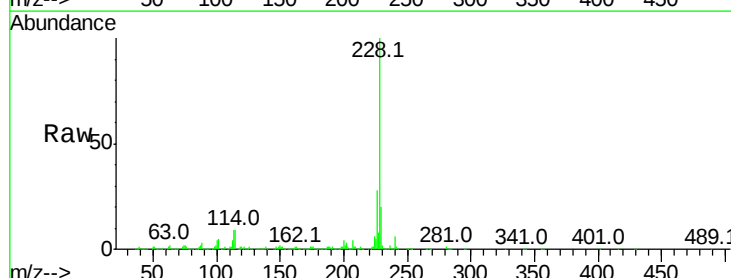
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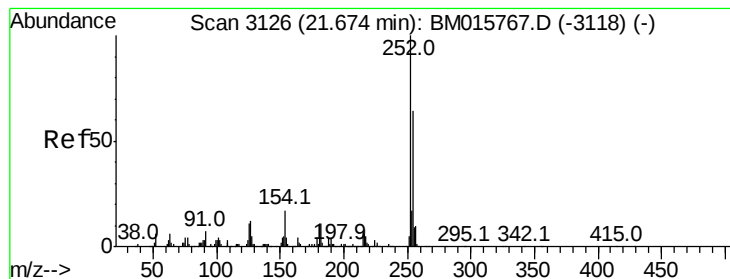
Sohil
7/9/2018 1:56:06 PM



#80
Benzo(a)anthracene
Concen: 49.129 ng
RT: 21.74 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.7	32.5
229	20.0	16.0	24.0





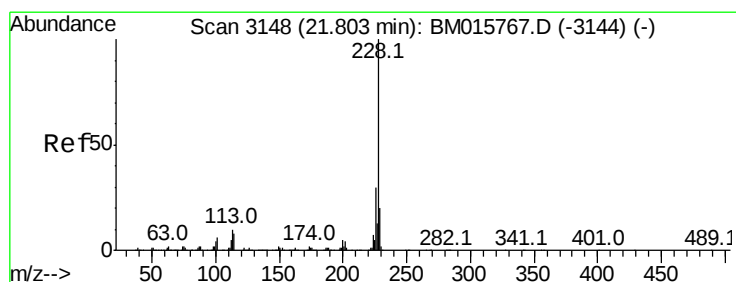
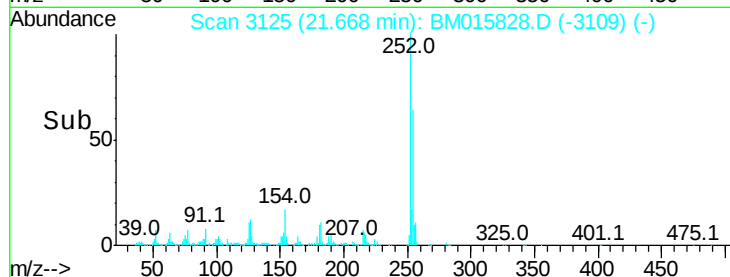
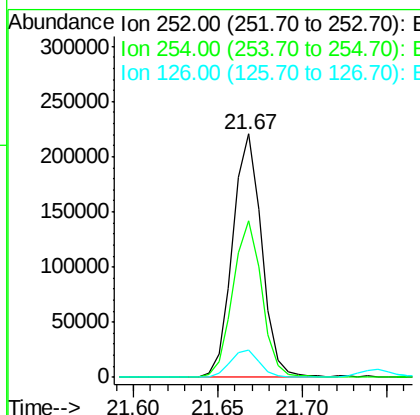
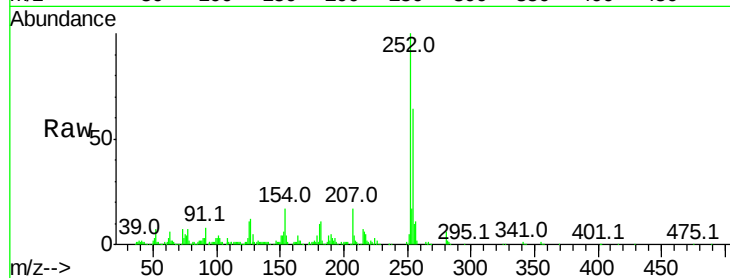
#81
 3,3'-Dichlorobenzidine
 Concen: 25.195 ng
 RT: 21.67 min Scan# 3125
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.9	77.9
126	11.4	9.8	14.8

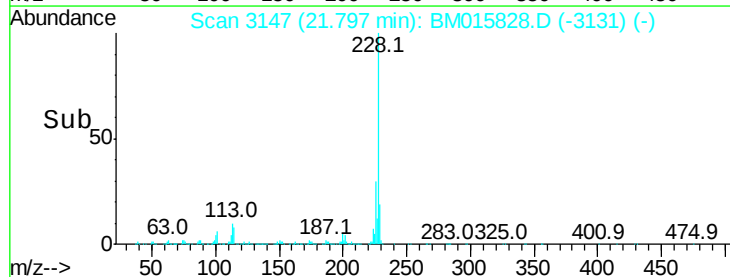
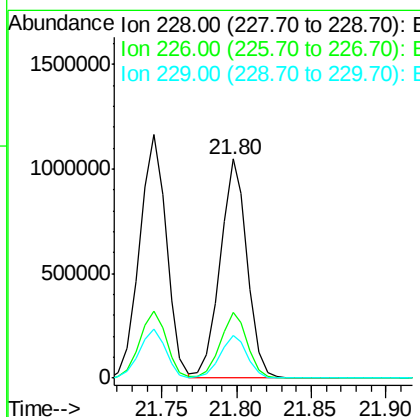
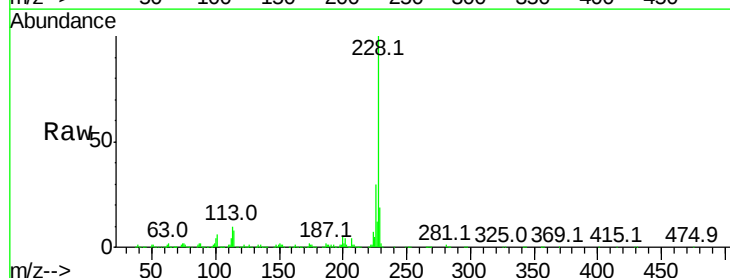
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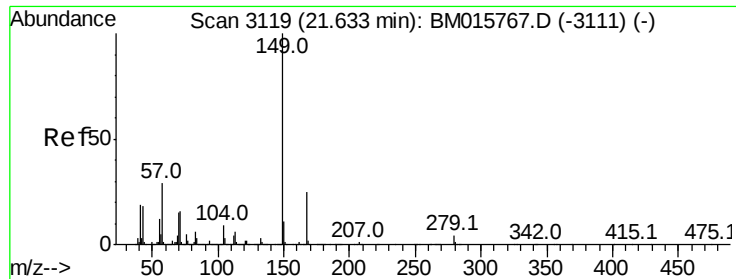
Sohil
 7/9/2018 1:56:06 PM



#82
 Chrysene
 Concen: 48.626 ng
 RT: 21.80 min Scan# 3147
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.3	15.5	23.3





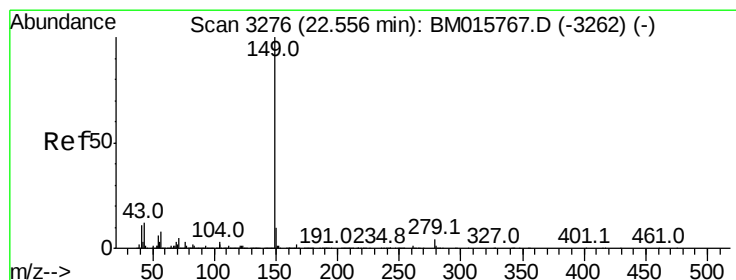
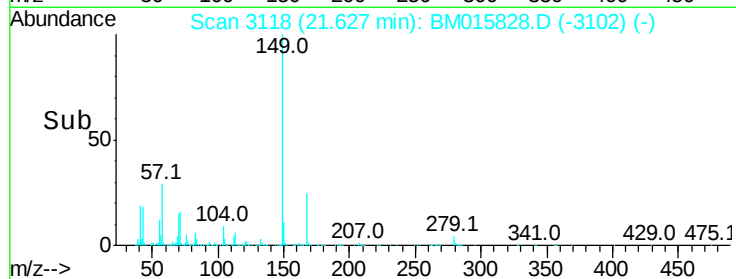
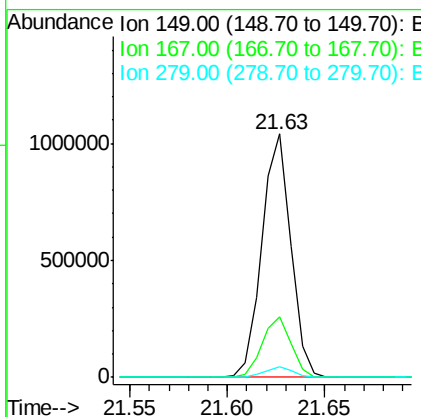
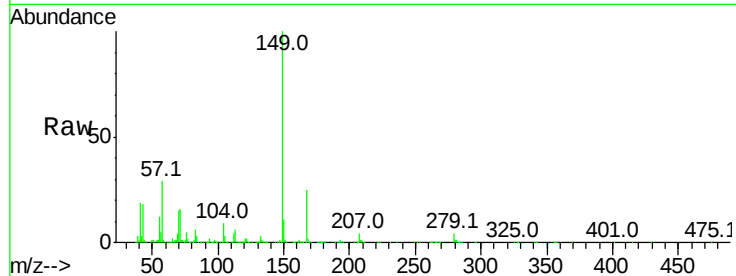
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.035 ng
 RT: 21.63 min Scan# 3118
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.1	22.4	33.6
279	4.1	3.4	5.0

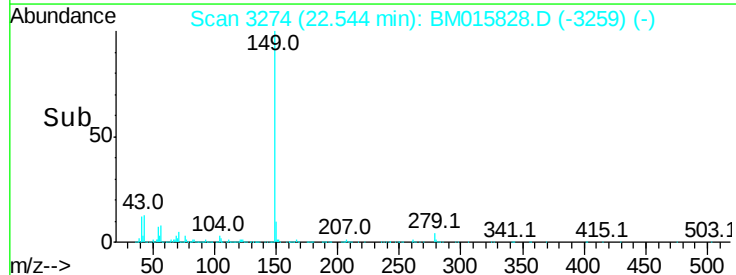
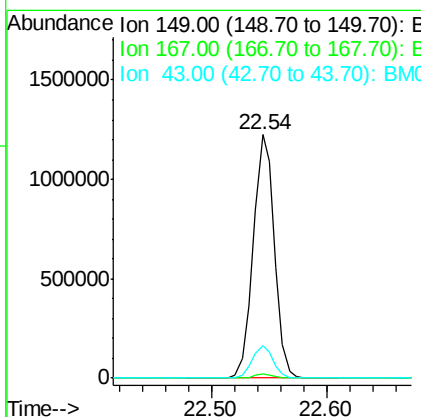
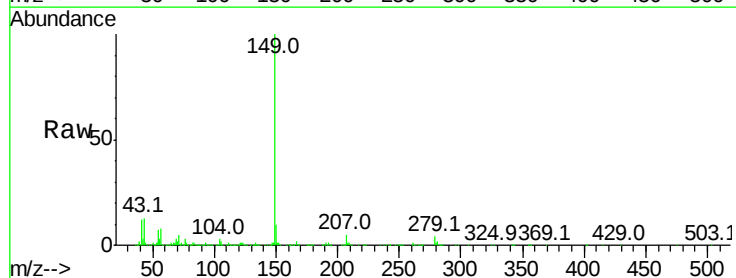
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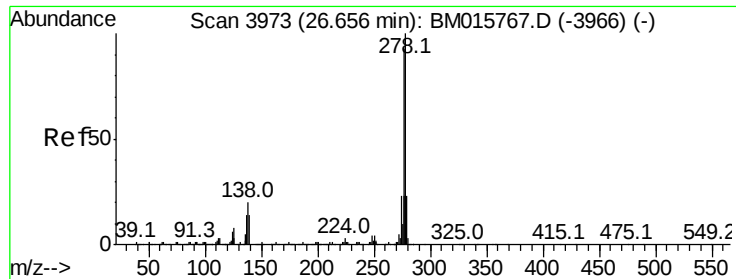
Sohil
 7/9/2018 1:56:06 PM



#84
 Di-n-octyl phthalate
 Concen: 46.636 ng
 RT: 22.54 min Scan# 3274
 Delta R.T. -0.01 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	12.9	7.3	10.9#





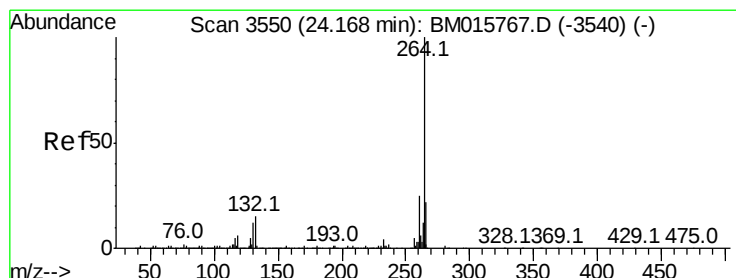
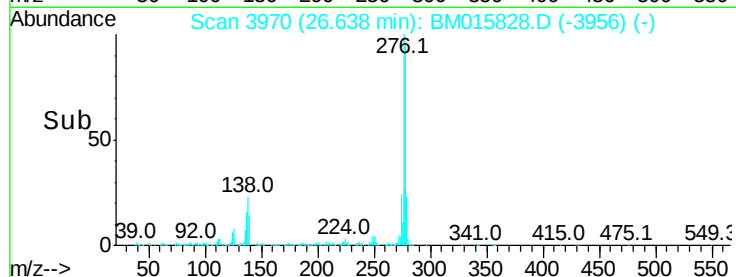
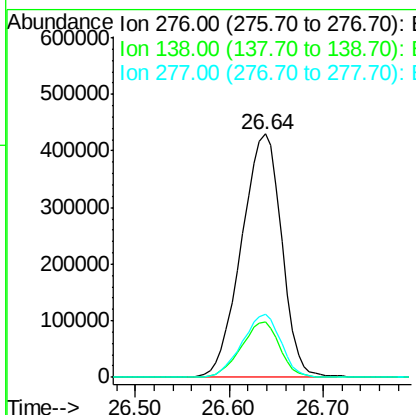
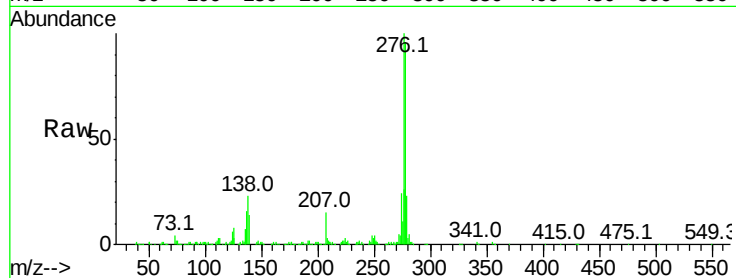
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.319 ng
RT: 26.64 min Scan# 3970
Delta R.T. -0.02 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	12.0	18.0#
277	25.3	20.0	30.0

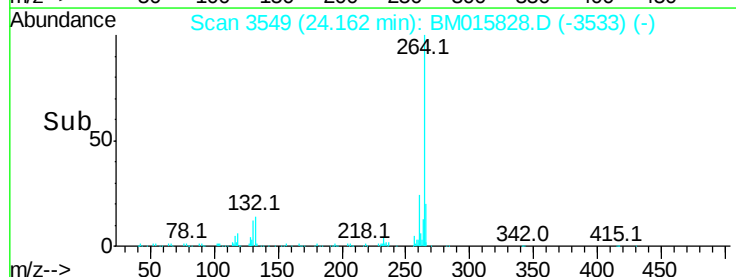
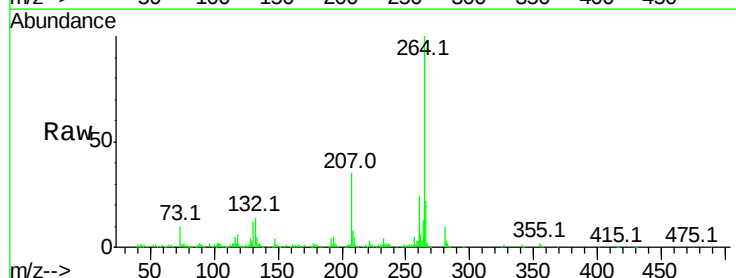
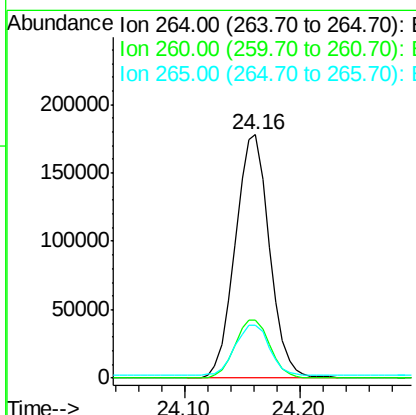
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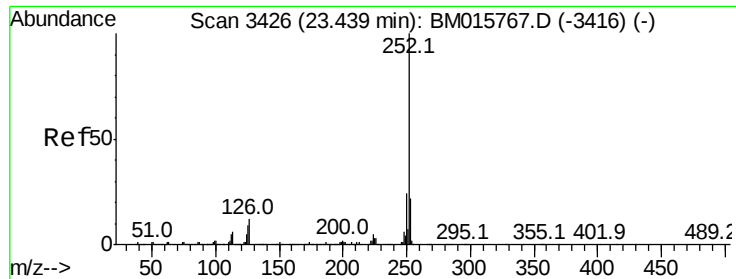
Sohil
7/9/2018 1:56:06 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.16 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 49.521 ng

RT: 23.43 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

Instrument :

BNA_M

ClientSampleId :

BU-03-070318MSD

Tot Ion:252 Resp: 1211560

Ion Ratio Lower Upper

252 100

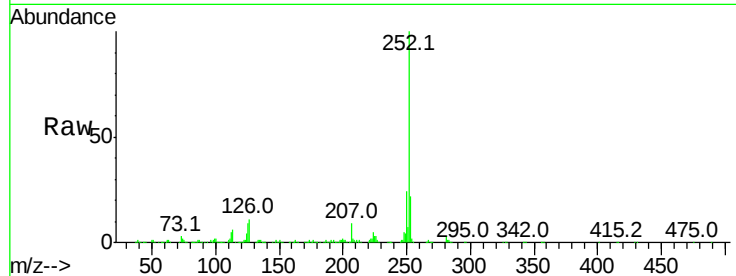
253 21.6 18.0 27.0

125 8.8 9.9 14.9#

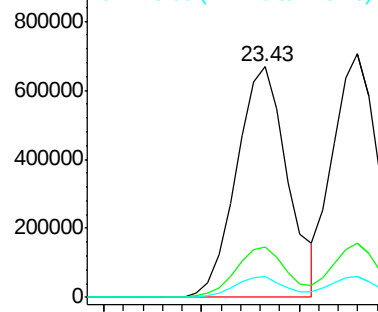
Manual Integrations
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Sohil

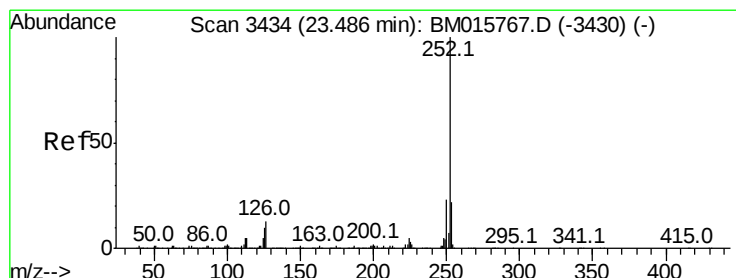
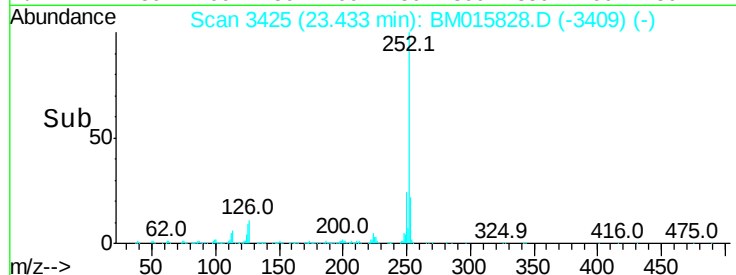
7/9/2018 1:56:06 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 47.507 ng

RT: 23.48 min Scan# 3433

Delta R.T. -0.01 min

Lab File: BM015828.D

Acq: 07 Jul 2018 07:24

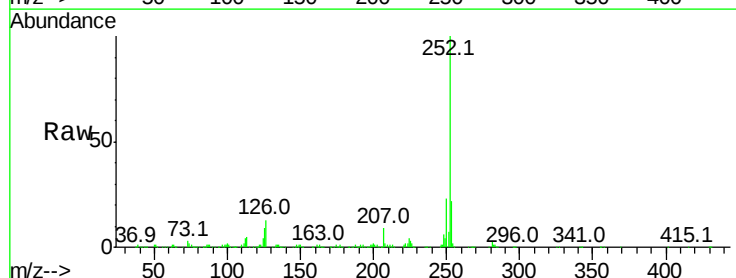
Tgt Ion:252 Resp: 1129058

Ion Ratio Lower Upper

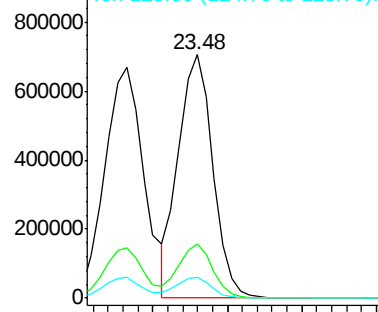
252 100

253 22.1 17.2 25.8

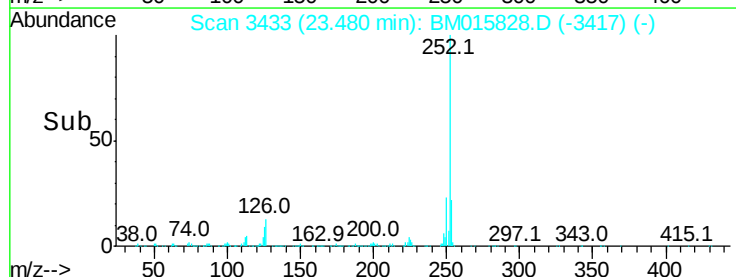
125 8.6 8.1 12.1

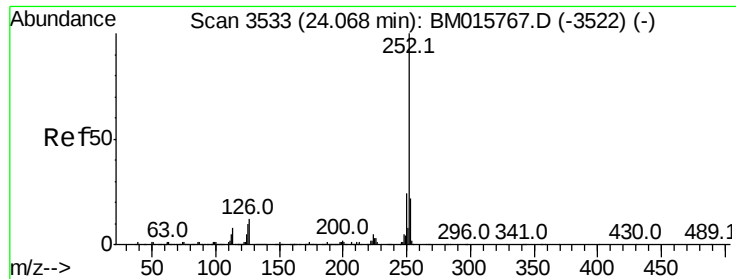


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





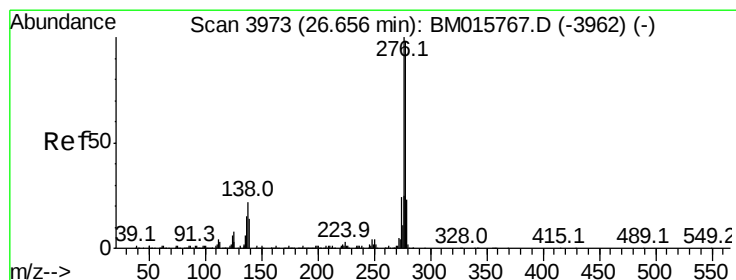
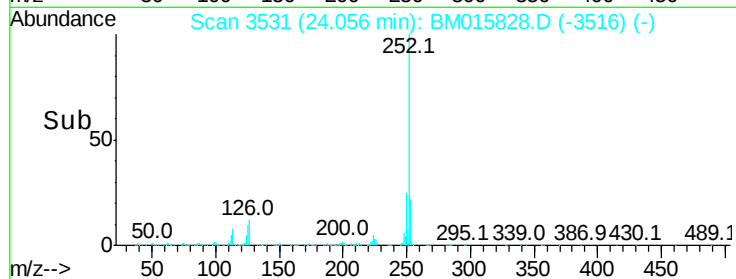
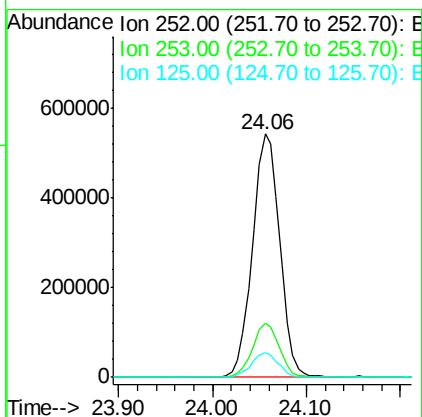
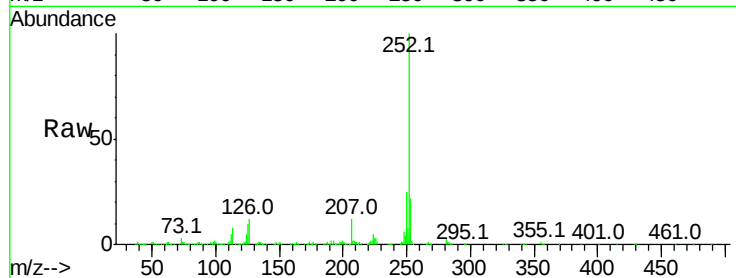
#89
Benzo(a)pyrene
Concen: 50.574 ng
RT: 24.06 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Instrument :
BNA_M
ClientSampleId :
BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.2	7.4	11.2

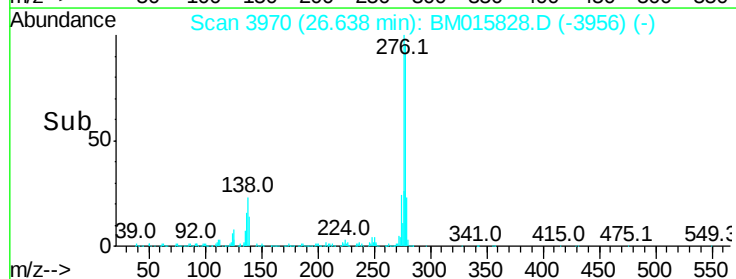
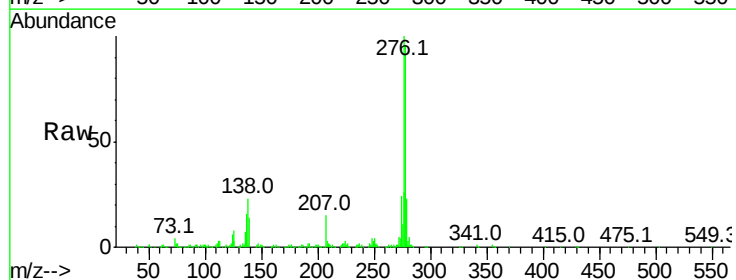
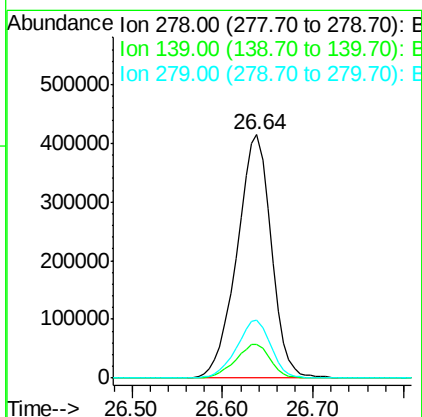
Manual Integrations
APPROVED

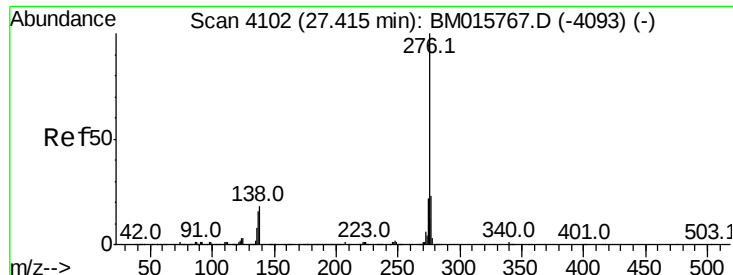
Sohil
7/9/2018 1:56:06 PM



#90
Dibenzo(a,h)anthracene
Concen: 56.022 ng
RT: 26.64 min Scan# 3970
Delta R.T. -0.02 min
Lab File: BM015828.D
Acq: 07 Jul 2018 07:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	13.4	20.0
279	23.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 59.877 ng
 RT: 27.40 min Scan# 4099
 Delta R.T. -0.02 min
 Lab File: BM015828.D
 Acq: 07 Jul 2018 07:24

Instrument :
 BNA_M
 ClientSampleId :
 BU-03-070318MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	19.0	19.0	28.6

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Sohil
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