

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014174.D
 Acq On : 07 Feb 2018 23:06
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 5 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
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Sohil
 2/8/2018 3:50:36 PM

Quant Time: Feb 08 11:39:26 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	79188	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	346085	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	240244	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	621328	20.00	ng	0.00
75) Chrysene-d12	21.16	240	720038	20.00	ng	0.00
86) Perylene-d12	23.34	264	668522	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	618935	136.23	ng	0.00
7) Phenol-d6	6.73	99	839130	130.41	ng	0.00
23) Nitrobenzene-d5	8.70	82	750300	96.84	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	483517	141.84	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	1757434	91.32	ng	0.00
78) Terphenyl-d14	19.60	244	3256184	88.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	8704	4.66	ng	# 100
3) Pyridine	3.55	79	20512	3.97	ng	# 93
4) n-Nitrosodimethylamine	3.46	42	13562	4.12	ng	# 35
6) Aniline	6.89	93	34663	4.23	ng	# 93
8) 2-Chlorophenol	7.11	128	21765	4.21	ng	# 79
9) Benzaldehyde	6.72	77	16175	3.49	ng	# 68
10) Phenol	6.76	94	28157	4.43	ng	# 80
11) bis(2-Chloroethyl)ether	6.99	93	20016	3.99	ng	# 99
12) 1,3-Dichlorobenzene	7.43	146	28014	4.34	ng	# 87
13) 1,4-Dichlorobenzene	7.58	146	29069	4.48	ng	# 90
14) 1,2-Dichlorobenzene	7.89	146	28695	4.40	ng	# 98
15) Benzyl Alcohol	7.80	79	19387	3.25	ng	# 80
16) 2,2'-oxybis(1-Chloropropan	8.06	45	22552m	4.42	ng	# 71
17) 2-Methylphenol	8.00	107	19128	3.93	ng	# 71
18) Hexachloroethane	8.60	117	12776	4.56	ng	# 90
19) n-Nitroso-di-n-propylamine	8.35	70	21710	3.92	ng	# 94
20) 3+4-Methylphenols	8.35	107	23338	3.31	ng	# 75
22) Acetophenone	8.37	105	42469	4.27	ng	# 79
24) Nitrobenzene	8.75	77	38759	4.86	ng	# 90
25) Isophorone	9.26	82	59088	4.60	ng	# 91
26) 2-Nitrophenol	9.46	139	11578	3.85	ng	# 77
27) 2,4-Dimethylphenol	9.52	122	18143	3.96	ng	# 71
28) bis(2-Chloroethoxy)methane	9.76	93	27498	4.18	ng	# 84
29) 2,4-Dichlorophenol	10.02	162	18513m	3.61	ng	# 91
30) 1,2,4-Trichlorobenzene	10.19	180	27836	4.12	ng	# 96
31) Naphthalene	10.36	128	78699	4.15	ng	# 72
32) Benzoic acid	9.65	122	7653m	7.87	ng	# 98
33) 4-Chloroaniline	10.52	127	25581	3.25	ng	# 81
34) Hexachlorobutadiene	10.63	225	21355	4.61	ng	# 88
35) Caprolactam	11.29	113	7571m	4.13	ng	# 100
36) 4-Chloro-3-methylphenol	11.65	107	23819	3.75	ng	# 87
37) 2-Methylnaphthalene	11.99	142	59917	4.20	ng	# 81
39) 1,2,4,5-Tetrachlorobenzene	12.37	216	34360	4.08	ng	# 87
40) Hexachlorocyclopentadiene	12.33	237	10099	8.06	ng	# 87

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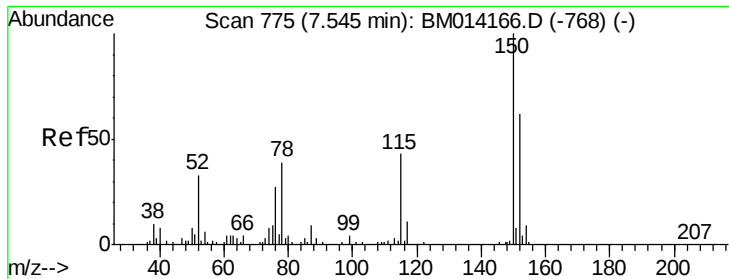
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.63	196	18985	3.84	ng	# 80
43) 2,4,5-Trichlorophenol	12.72	196	15476	2.83	ng	# 80
45) 1,1'-Biphenyl	13.03	154	93293	4.48	ng	97
46) 2-Chloronaphthalene	13.06	162	68020	4.31	ng	# 92
47) 2-Nitroaniline	13.31	65	21236	3.65	ng	# 71
48) Acenaphthylene	13.92	152	108249	4.18	ng	97
49) Dimethylphthalate	13.67	163	96194	4.47	ng	# 93
50) 2,6-Dinitrotoluene	13.80	165	18270	4.14	ng	# 50
51) Acenaphthene	14.26	154	70599	4.42	ng	91
52) 3-Nitroaniline	14.14	138	14069	3.08	ng	# 49
53) 2,4-Dinitrophenol	14.39	184	3191m	8.82	ng	
54) Dibenzofuran	14.60	168	106345	4.26	ng	# 82
55) 4-Nitrophenol	14.50	139	6281m	7.40	ng	
56) 2,4-Dinitrotoluene	14.61	165	23094	3.39	ng	# 80
57) Fluorene	15.26	166	90122	4.11	ng	96
58) 2,3,4,6-Tetrachlorophenol	14.84	232	20459	3.80	ng	# 100
59) Diethylphthalate	15.04	149	102003	4.27	ng	98
60) 4-Chlorophenyl-phenylether	15.26	204	48404	4.24	ng	# 76
61) 4-Nitroaniline	15.32	138	12414m	2.72	ng	
62) Azobenzene	15.55	77	111328	4.49	ng	79
64) 4,6-Dinitro-2-methylphenol	15.40	198	8160	7.26	ng	78
65) n-Nitrosodiphenylamine	15.48	169	77330	3.94	ng	93
66) 4-Bromophenyl-phenylether	16.15	248	31565	4.33	ng	# 70
67) Hexachlorobenzene	16.26	284	34445	4.31	ng	# 74
68) Atrazine	16.44	200	25598	3.48	ng	92
69) Pentachlorophenol	16.62	266	13971	8.30	ng	# 85
70) Phenanthrene	17.00	178	158844	4.24	ng	99
71) Anthracene	17.10	178	148463	4.07	ng	98
72) Carbazole	17.38	167	127902	3.73	ng	97
73) Di-n-butylphthalate	17.93	149	168872	3.84	ng	# 94
74) Fluoranthene	19.03	202	182239	4.13	ng	97
77) Pyrene	19.40	202	195750	3.91	ng	99
79) Butylbenzylphthalate	20.31	149	72788	3.23	ng	# 87
80) Benzo(a)anthracene	21.15	228	198660	4.25	ng	97
81) 3,3'-Dichlorobenzidine	21.10	252	56647	3.24	ng	# 88
82) Chrysene	21.20	228	201184	4.43	ng	99
83) Bis(2-ethylhexyl)phthalate	21.09	149	104722	3.19	ng	98
84) Di-n-octyl phthalate	21.95	149	163227	3.59	ng	# 94
85) Indeno(1,2,3-cd)pyrene	25.51	276	164944	4.62	ng	99
87) Benzo(b)fluoranthene	22.70	252	190283	4.10	ng	# 91
88) Benzo(k)fluoranthene	22.74	252	169511	3.84	ng	98
89) Benzo(a)pyrene	23.25	252	165568	4.05	ng	# 93
90) Dibenzo(a,h)anthracene	25.51	278	138119	4.13	ng	# 92
91) Benzo(g,h,i)perylene	26.17	276	129571	4.15	ng	# 88

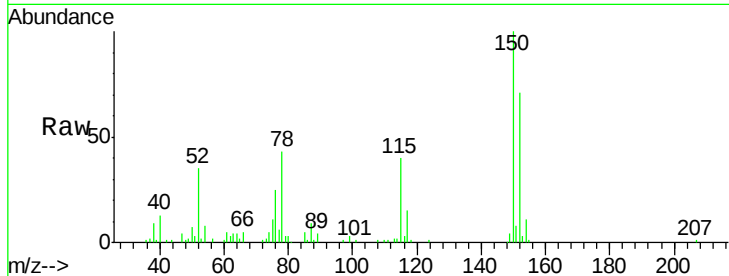
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

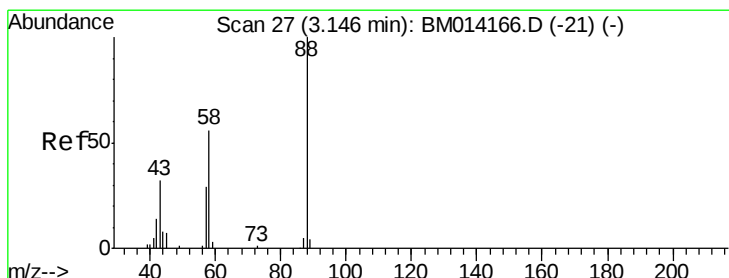
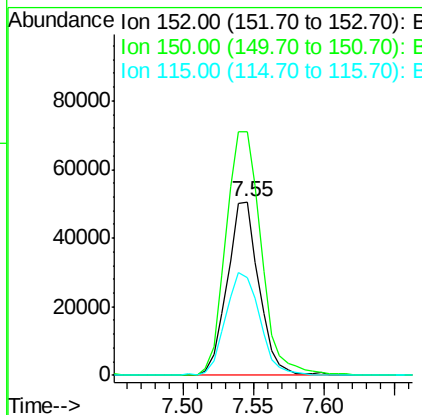
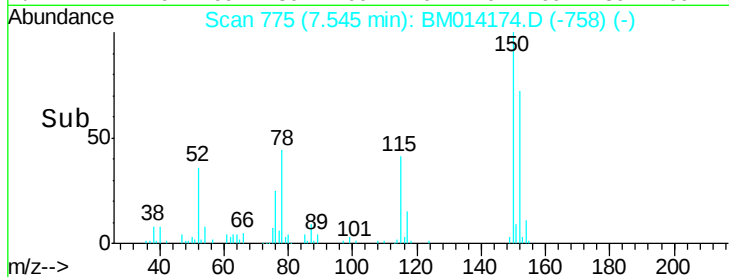
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018



Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.1	119.5	179.3
115	56.5	43.0	64.4

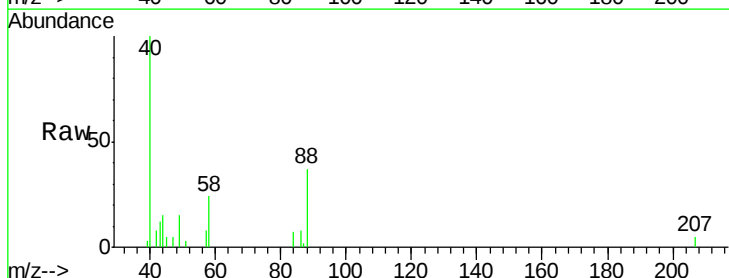
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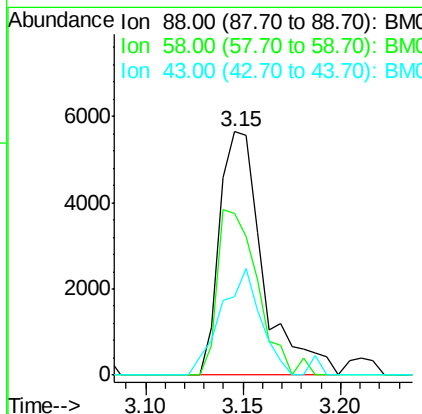
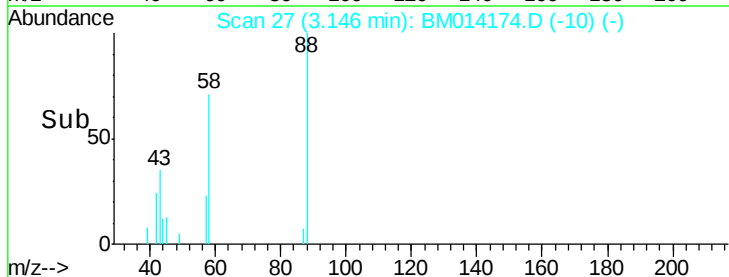


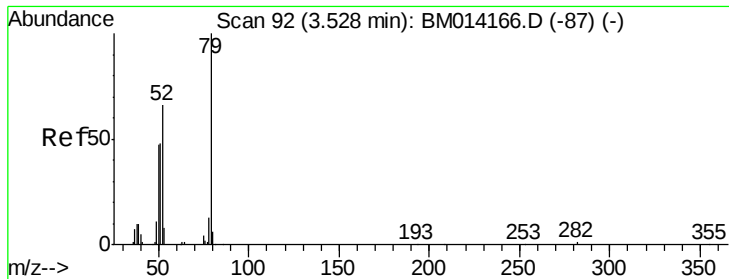
#2

1,4-Dioxane
Concen: 4.66 ng
RT: 3.15 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06



Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.0	0.0	0.0#
43	40.1	0.0	0.0#





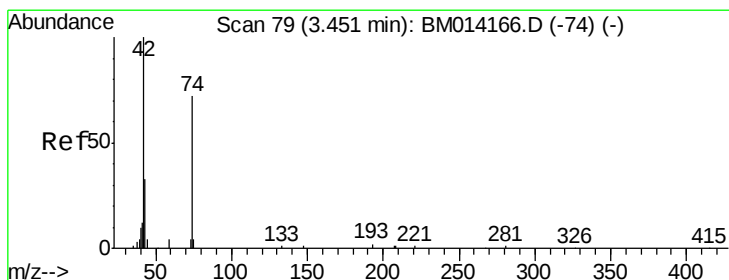
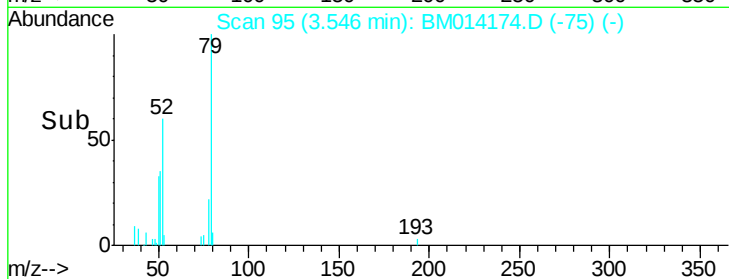
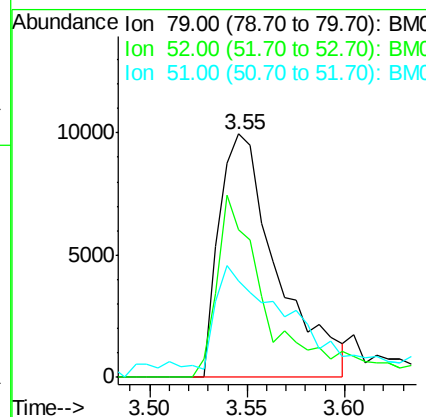
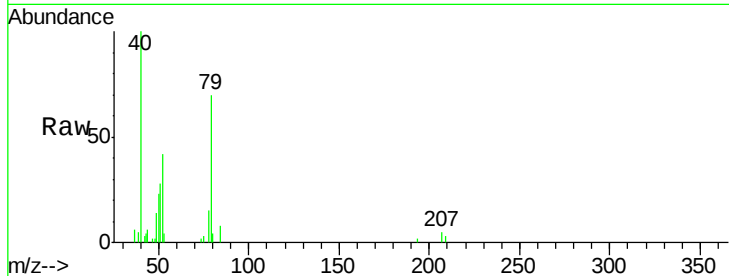
#3
 Pyridine
 Concen: 3.97 ng
 RT: 3.55 min Scan# 95
 Delta R.T. 0.02 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
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 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Upper
79	100		
52	60.5	51.1	76.7
51	39.5	26.1	39.1#

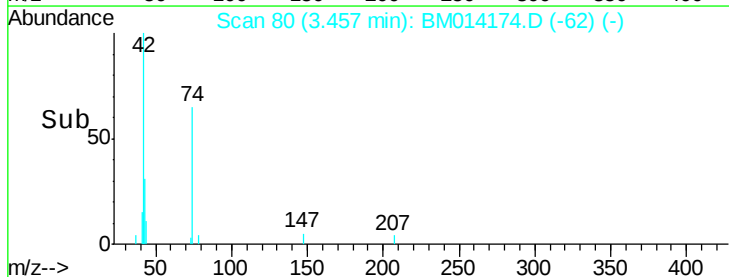
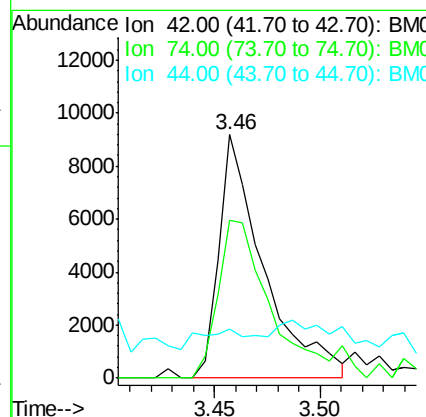
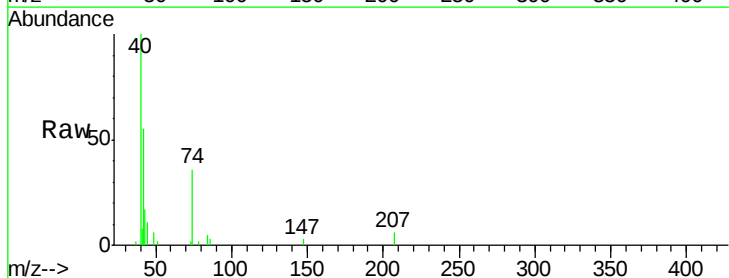
Manual Integrations
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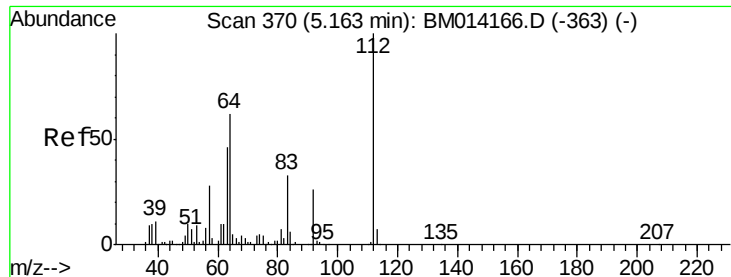
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#4
 n-Nitrosodimethylamine
 Concen: 4.12 ng
 RT: 3.46 min Scan# 80
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp Lower	Upper
42	100		
74	65.1	119.3	178.9#
44	20.1	5.4	8.2#





#5

2-Fluorophenol

Concen: 136.23 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

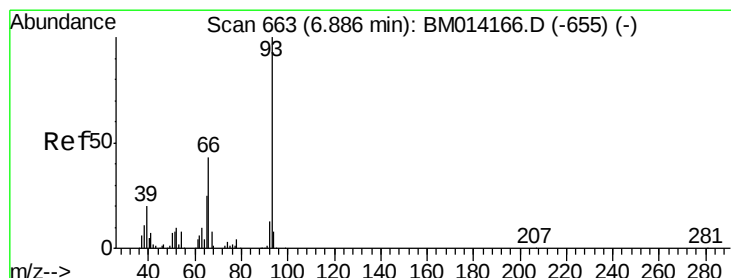
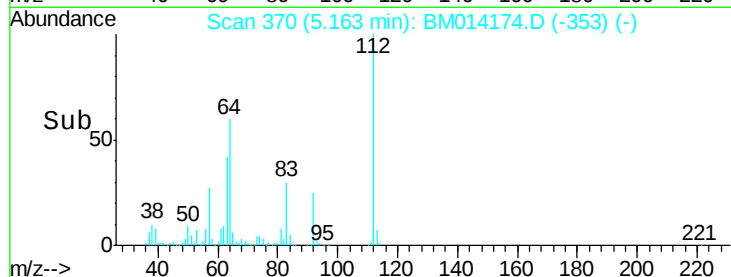
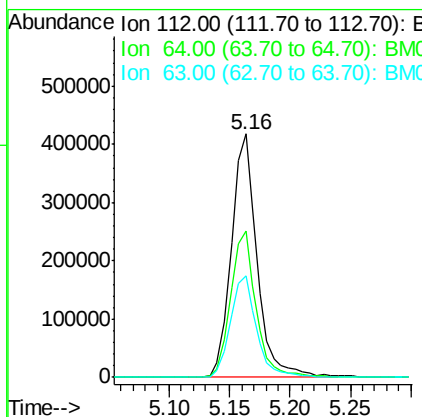
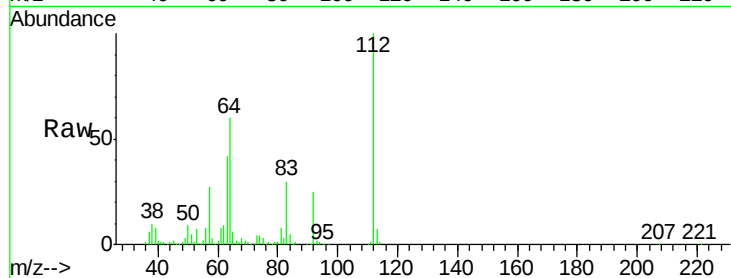
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	112	Resp:	618935
Ion Ratio	Lower	Upper	
112	100		
64	60.2	38.6	57.8#
63	41.6	19.3	28.9#

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#6

Aniline

Concen: 4.23 ng

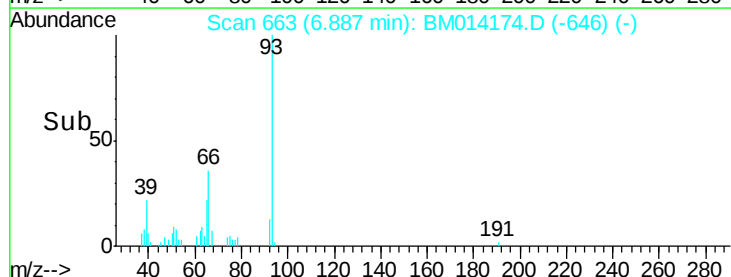
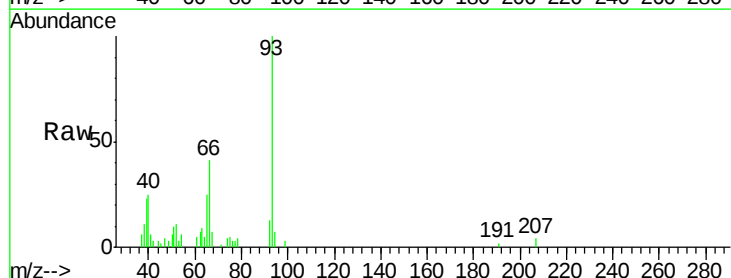
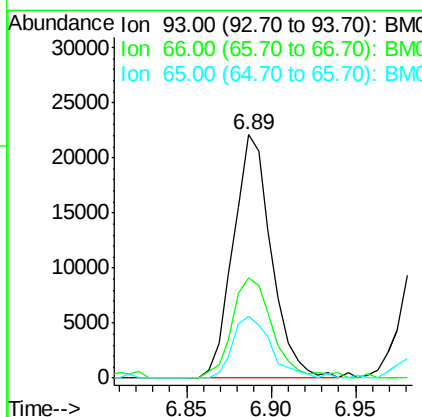
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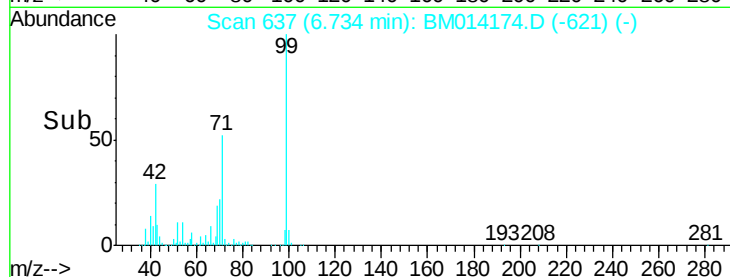
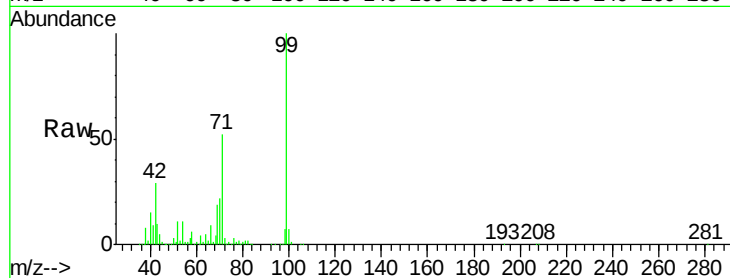
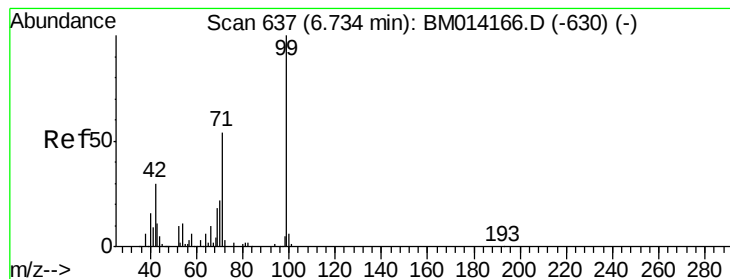
Delta R.T. -0.00 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	93	Resp:	34663
Ion Ratio	Lower	Upper	
93	100		
66	41.2	30.8	46.2
65	25.3	16.0	24.0#





#7

Phenol-d6

Concen: 130.41 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	839130		
42	29.4	11.0	16.4#	
71	52.1	23.4	35.2#	

Instrument :

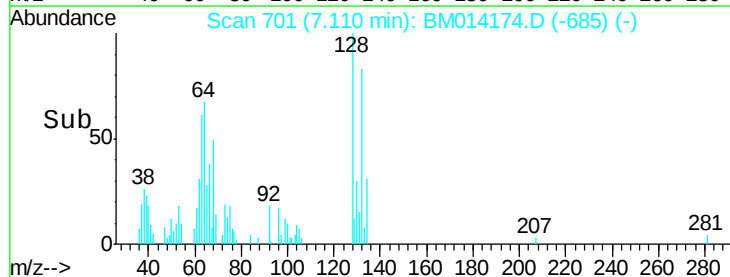
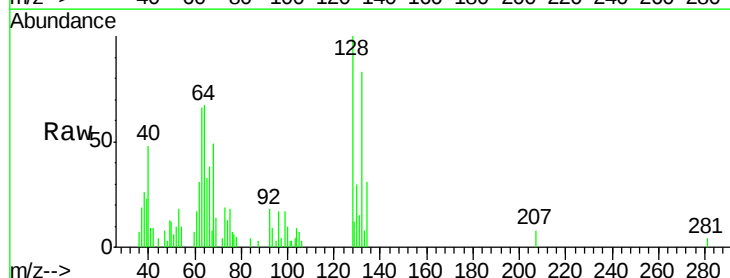
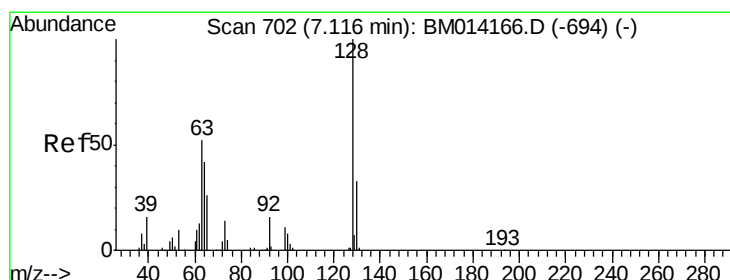
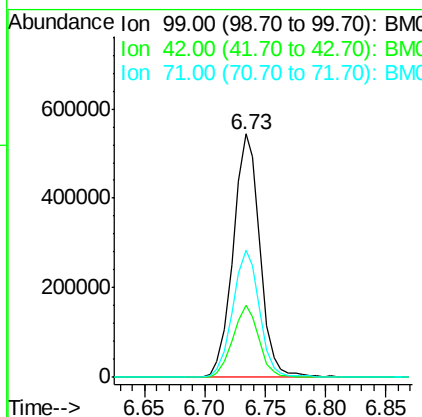
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#8

2-Chlorophenol

Concen: 4.21 ng

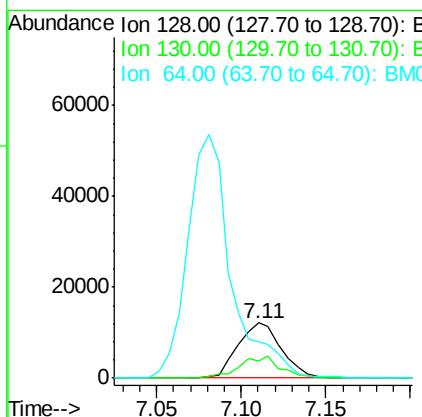
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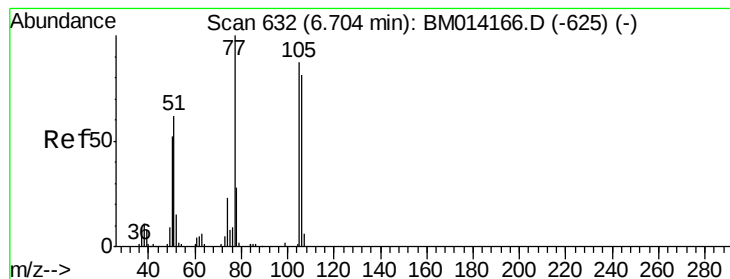
Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	21765		
130	29.9	12.0	52.0	
64	67.0	24.9	64.9#	





#9

Benzaldehyde

Concen: 3.49 ng

RT: 6.72 min Scan# 634

Delta R.T. 0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

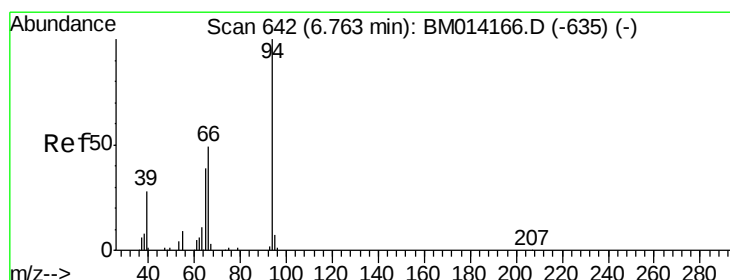
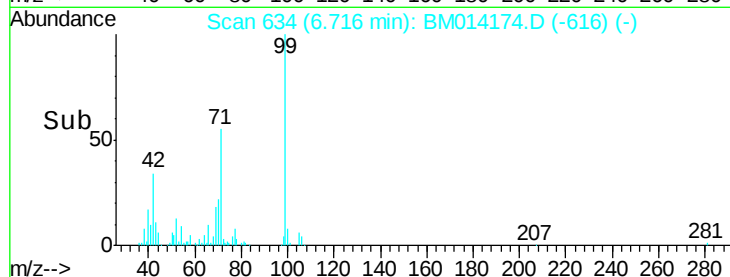
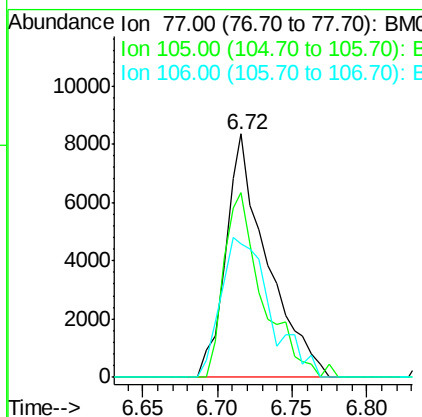
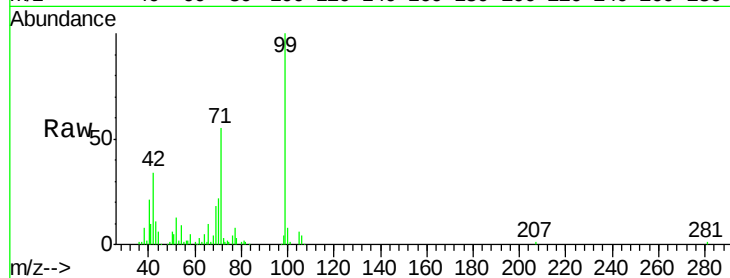
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	77	Resp:	16175
Ion Ratio	Lower	Upper	
77	100		
105	75.7	78.8	118.8#
106	54.8	73.7	113.7#

Manual Integrations
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#10

Phenol

Concen: 4.43 ng

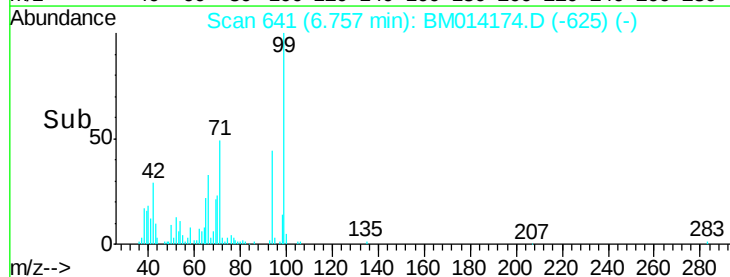
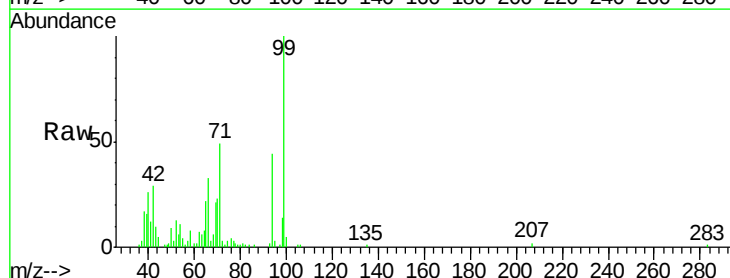
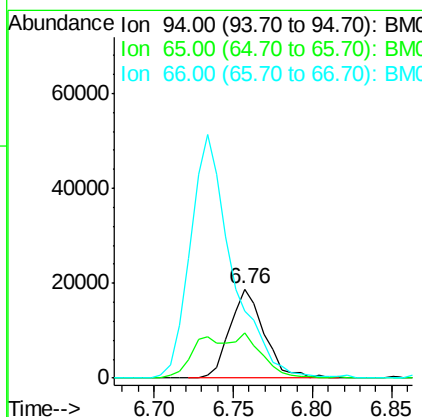
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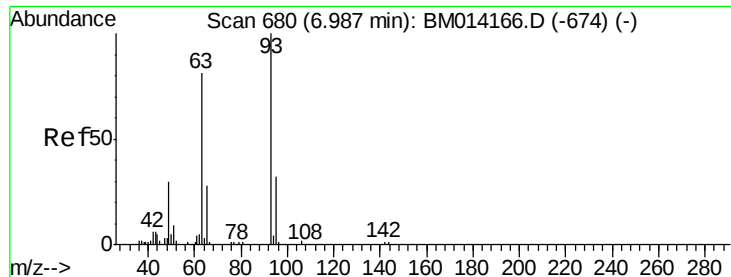
Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	94	Resp:	28157
Ion Ratio	Lower	Upper	
94	100		
65	50.6	18.8	58.8
66	75.6	39.9	79.9





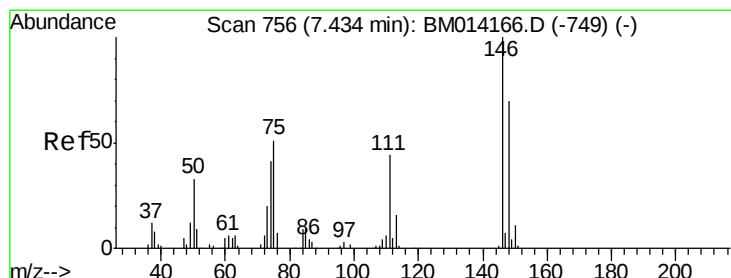
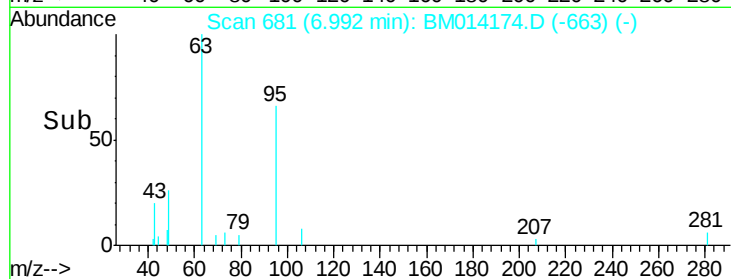
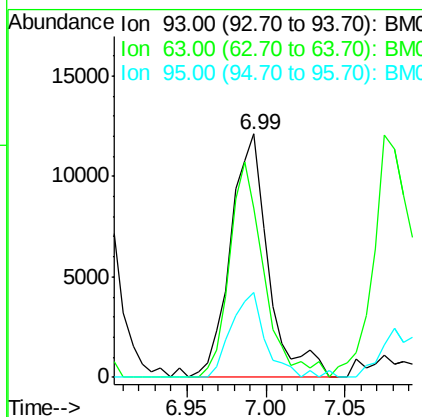
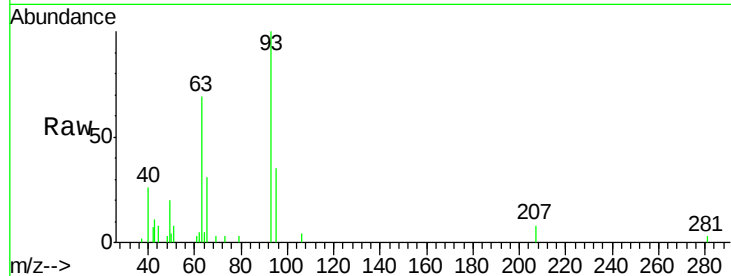
#11
bis(2-Chloroethyl)ether
Concen: 3.99 ng
RT: 6.99 min Scan# 681
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:	93	Resp:	20016
Ion	Ratio	Lower	Upper
93	100		
63	69.5	49.5	89.5
95	34.8	13.5	53.5

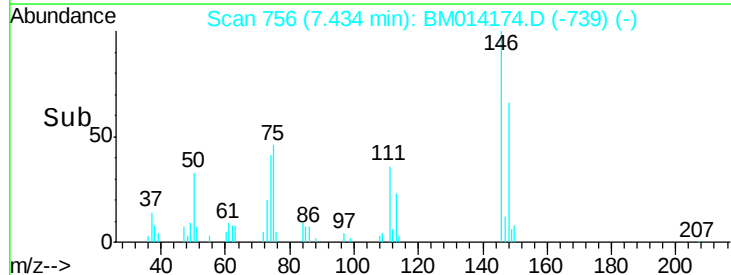
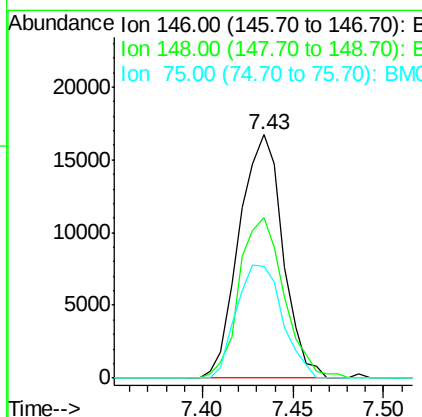
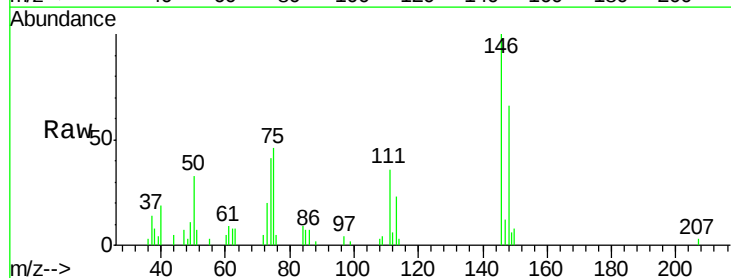
Manual Integrations
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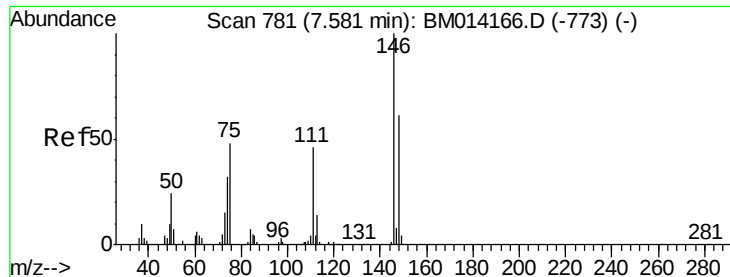
Sohil
2/8/2018 3:50:36 PM



#12
1,3-Dichlorobenzene
Concen: 4.34 ng
RT: 7.43 min Scan# 756
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion:	146	Resp:	28014
Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.9	76.3
75	46.0	21.4	32.2#





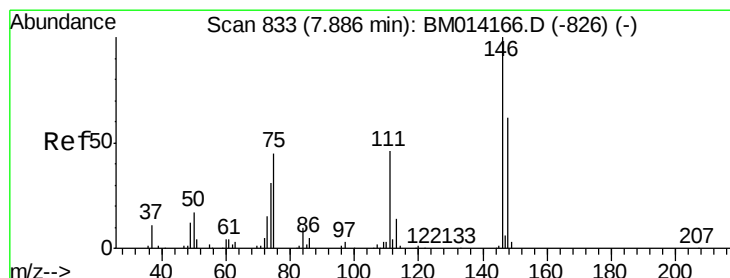
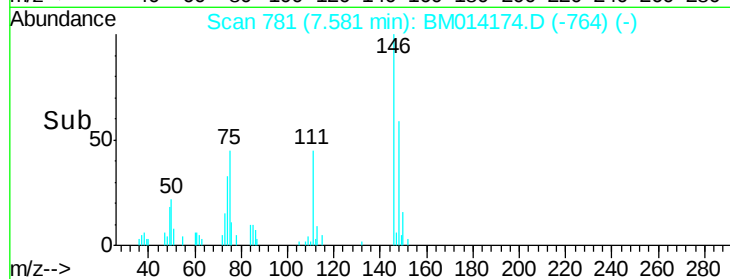
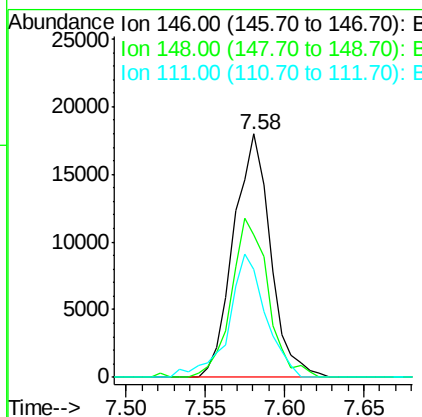
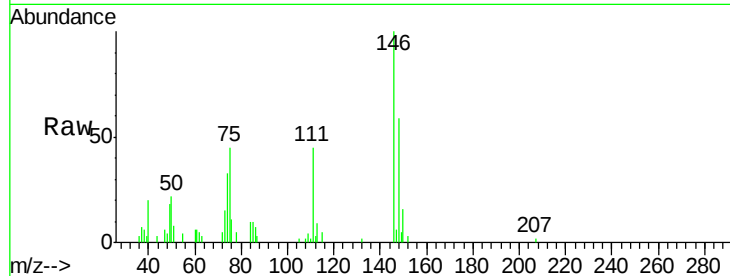
#13
 1,4-Dichlorobenzene
 Concen: 4.48 ng
 RT: 7.58 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	58.6	51.9	77.9
111	44.5	29.2	43.8

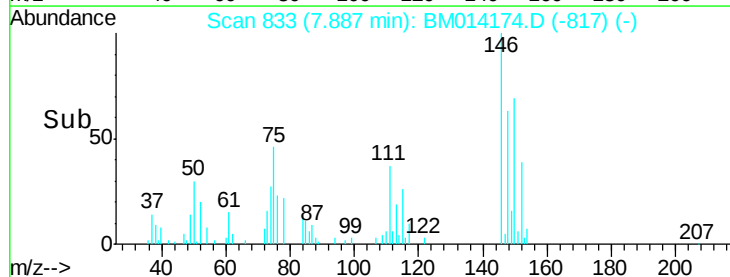
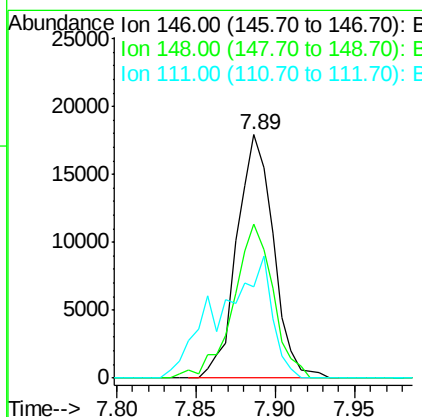
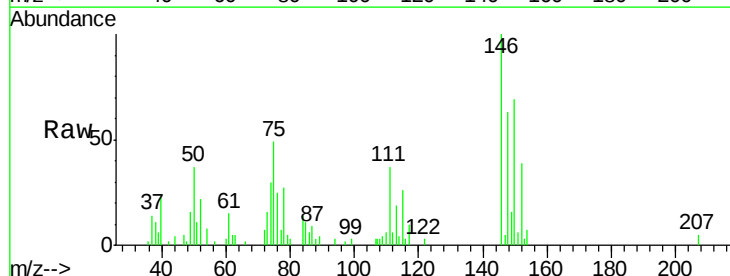
Manual Integrations
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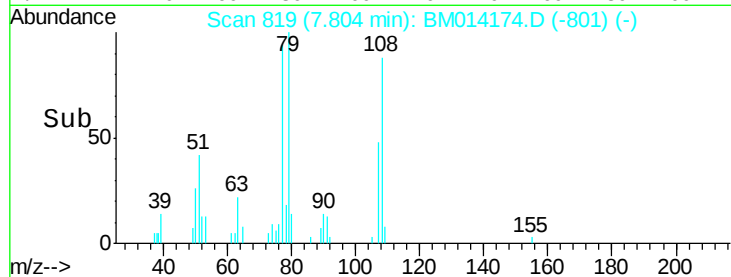
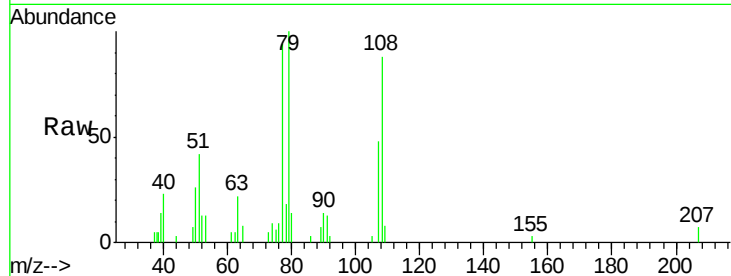
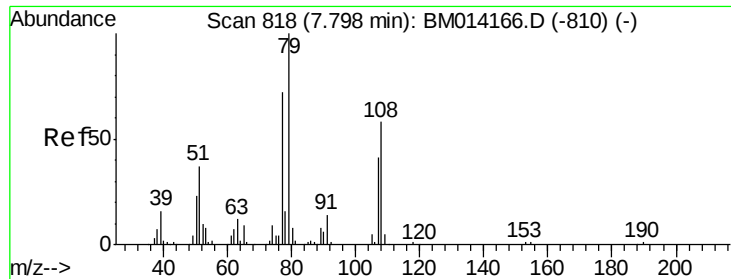
Sohil
 2/8/2018 3:50:36 PM



#14
 1,2-Dichlorobenzene
 Concen: 4.40 ng
 RT: 7.89 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.3	78.5
111	37.5	30.6	45.8





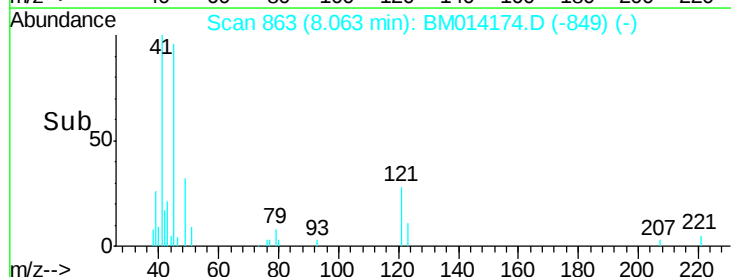
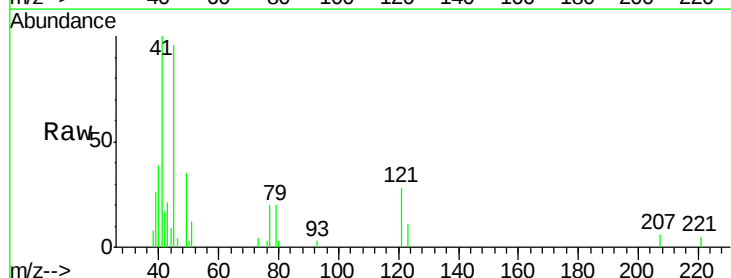
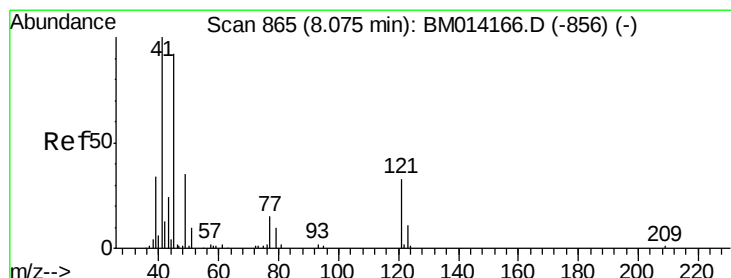
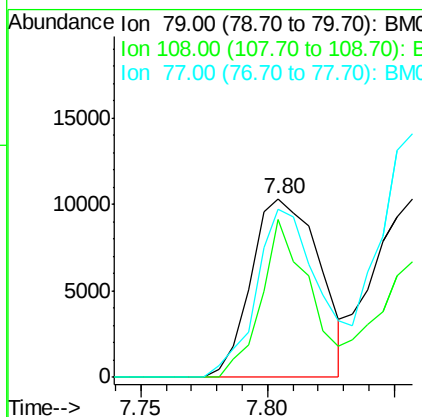
#15
Benzyl Alcohol
Concen: 3.25 ng
RT: 7.80 min Scan# 819
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
79	100		
108	88.5	65.0	97.4
77	94.2	53.0	79.6#

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

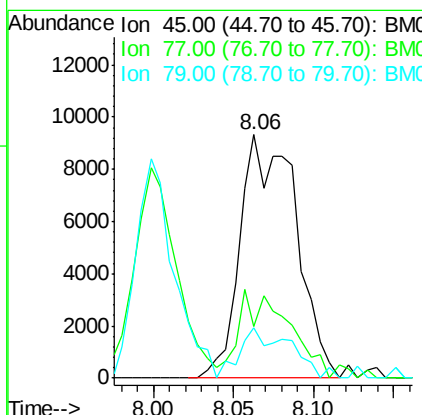
Manual Integrations
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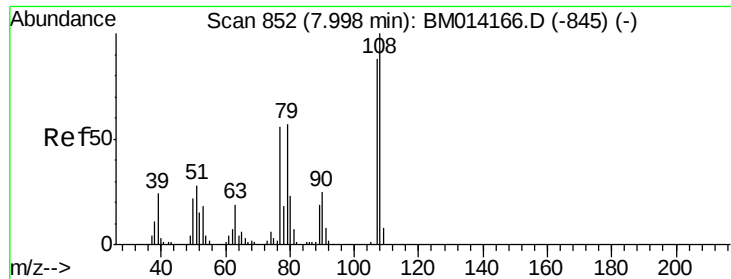
Sohil
2/8/2018 3:50:36 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.42 ng m
RT: 8.06 min Scan# 863
Delta R.T. -0.02 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

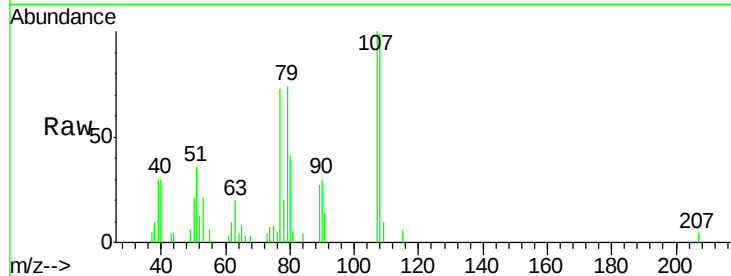
Tgt Ion	Ratio	Lower	Upper
45	100		
77	21.0	0.0	35.2
79	20.9	0.0	32.0





#17
2-Methylphenol
Concen: 3.93 ng
RT: 8.00 min Scan# 853
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

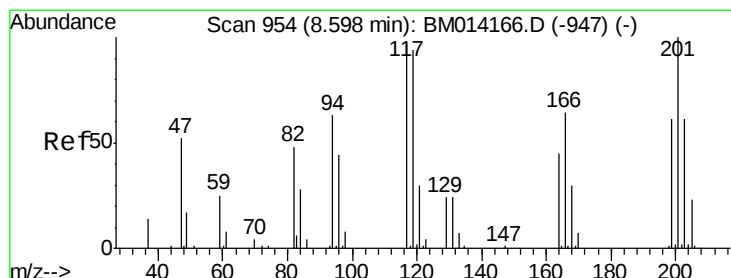
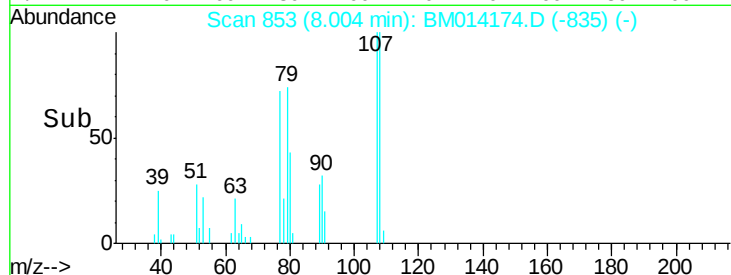
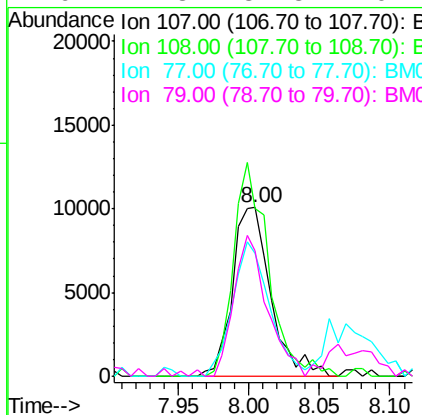
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	19128		
108	99.1	89.8	134.8	
77	72.6	32.6	48.8#	
79	74.3	32.8	49.2#	

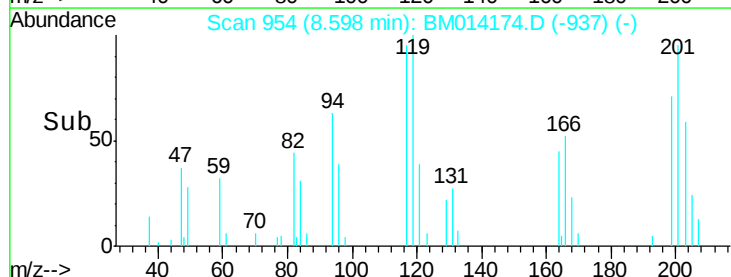
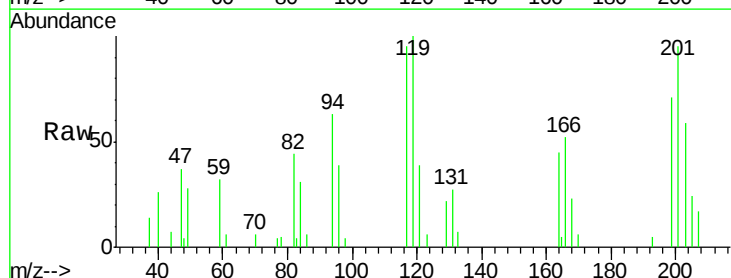
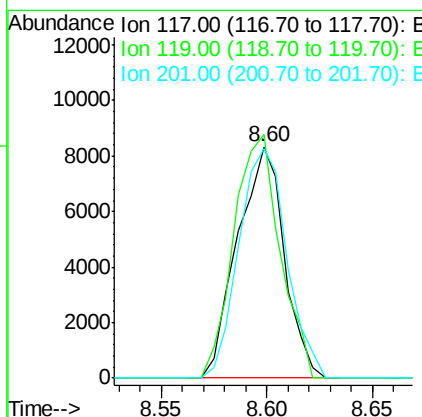
Manual Integrations
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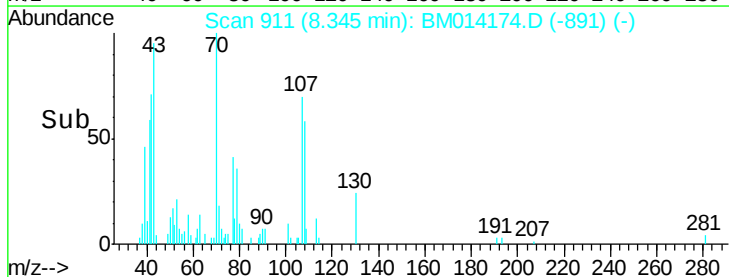
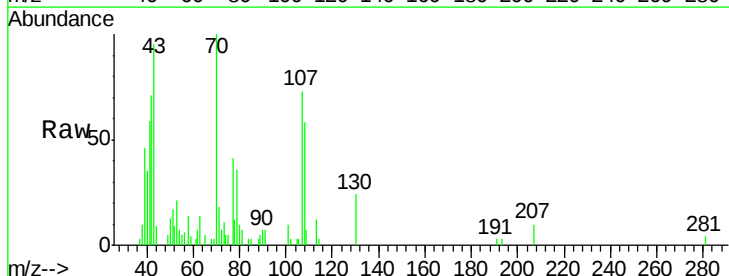
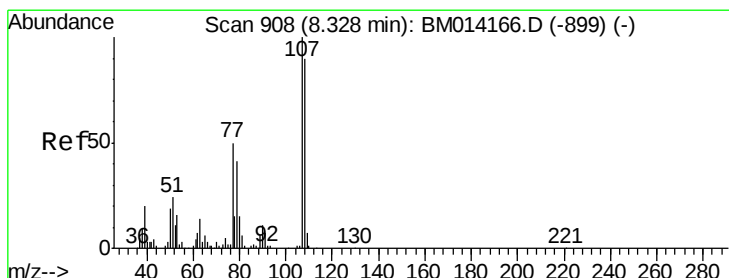
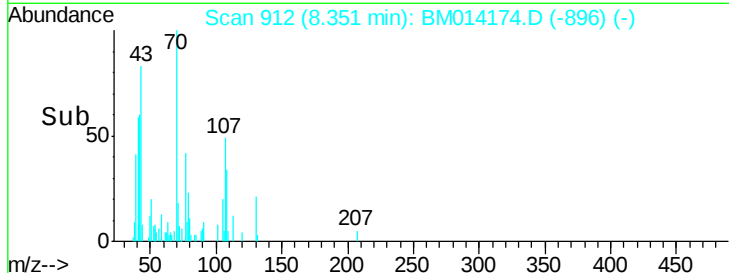
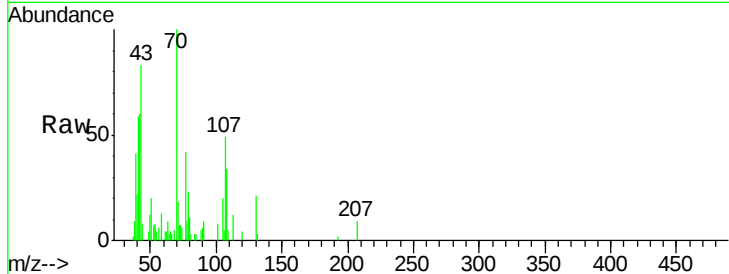
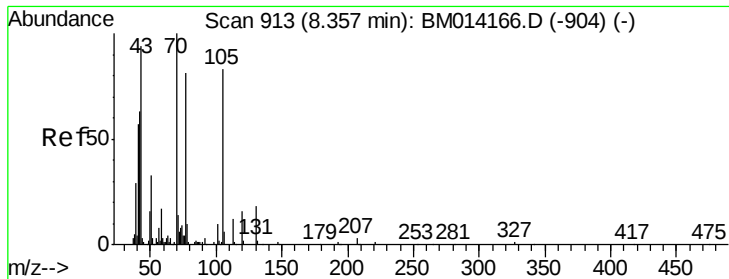
Sohil
2/8/2018 3:50:36 PM



#18
Hexachloroethane
Concen: 4.56 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

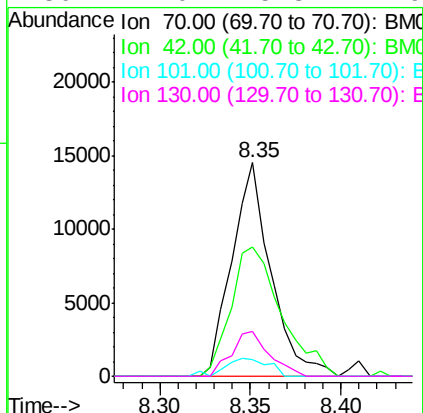
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12776		
119	105.5	79.2	118.8	
201	99.7	69.8	104.6	





#19
n-Nitroso-di-n-propylamine
Concen: 3.92 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
70	100		
42	60.4	44.5	66.7
101	7.9	7.4	11.2
130	21.0	15.3	22.9



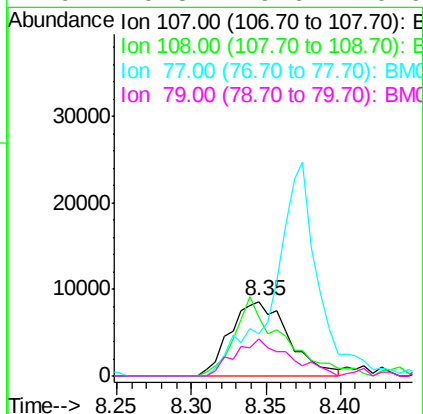
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

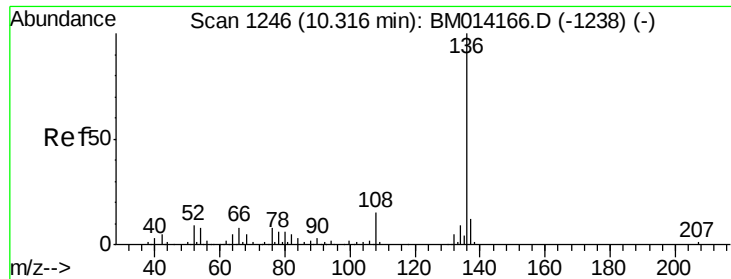
Manual Integrations
APPROVED

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2/8/2018 3:50:36 PM

#20
3+4-Methylphenols
Concen: 3.31 ng
RT: 8.35 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.2	73.2	113.2
77	56.2	10.7	50.7#
79	49.8	9.6	49.6#





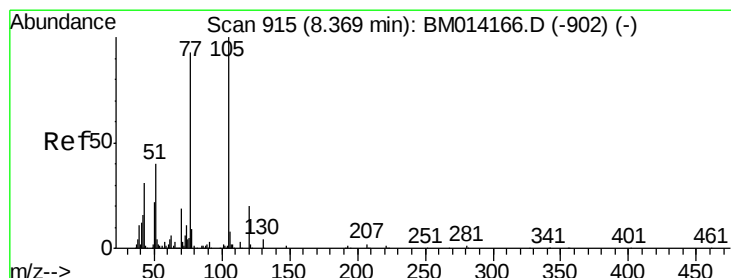
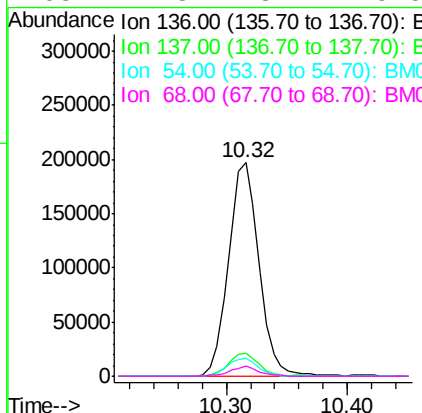
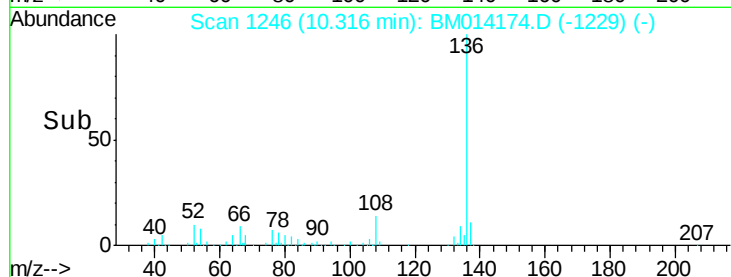
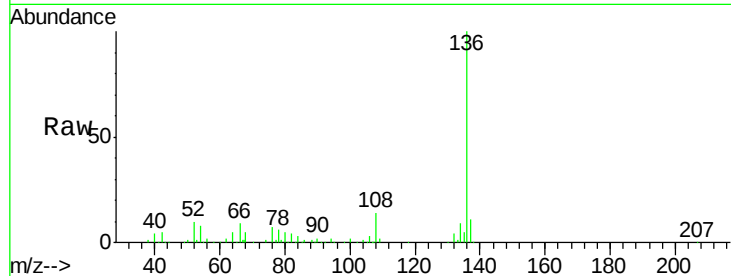
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.32 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	346085		
137	10.7	8.7	13.1	
54	8.2	4.6	6.8	
68	4.8	3.7	5.5	

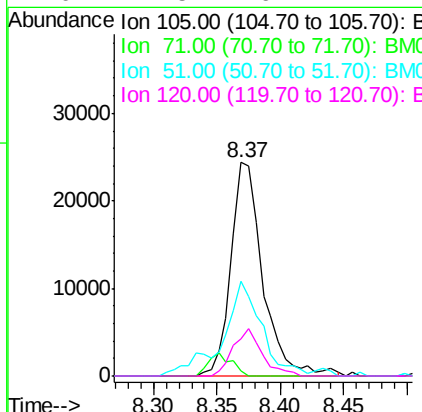
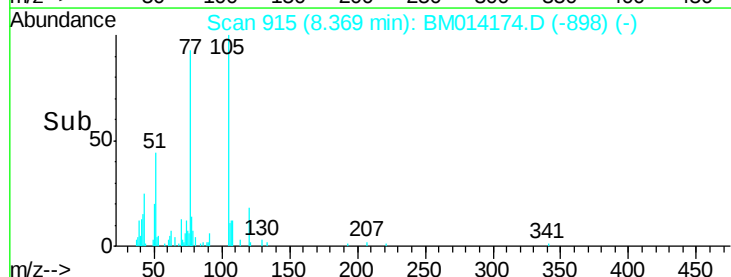
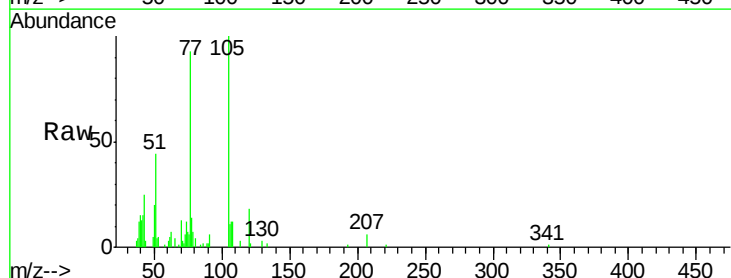
Manual Integrations
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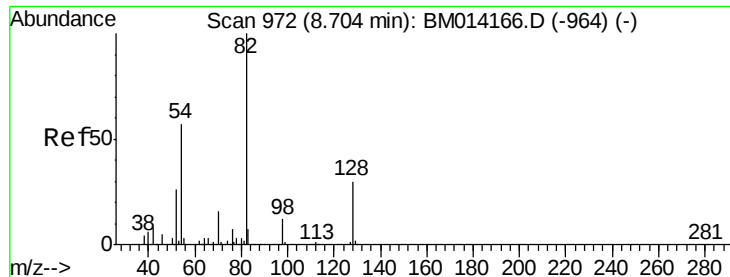
Sohil
2/8/2018 3:50:36 PM



#22
Acetophenone
Concen: 4.27 ng
RT: 8.37 min Scan# 915
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	42469		
71	2.6	0.6	1.0	
51	44.5	21.6	32.4	
120	17.5	16.1	24.1	





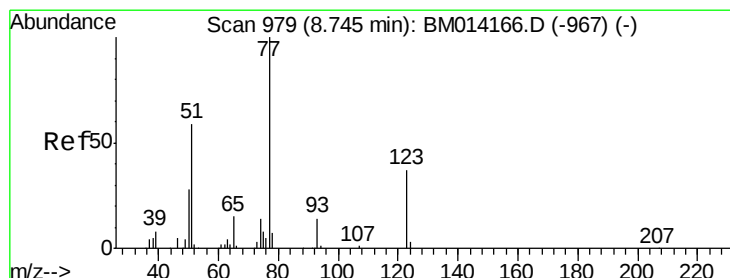
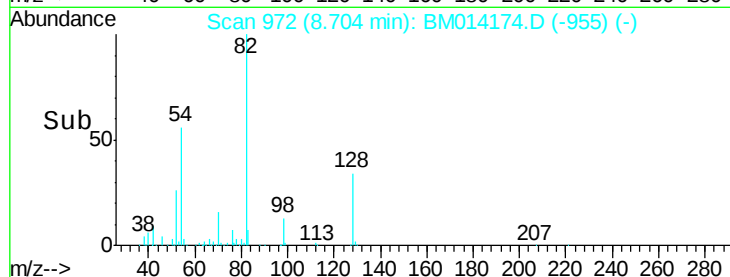
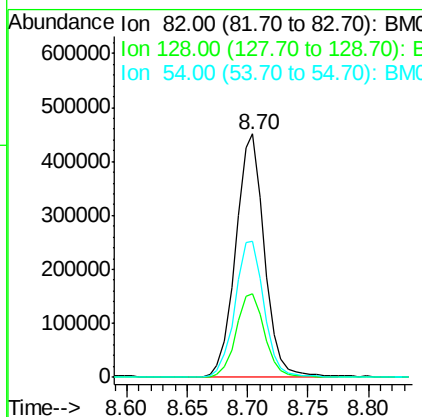
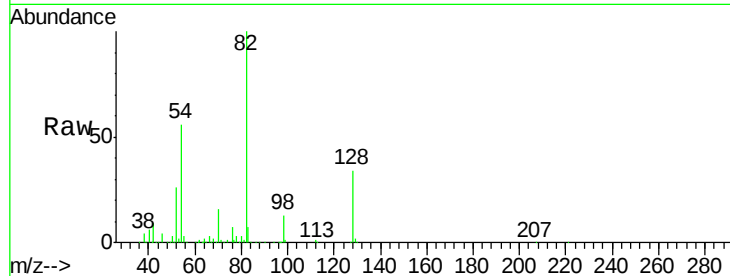
#23
 Nitrobenzene-d5
 Concen: 96.84 ng
 RT: 8.70 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	750300		
128	34.1	32.8	49.2	
54	56.1	40.6	60.8	

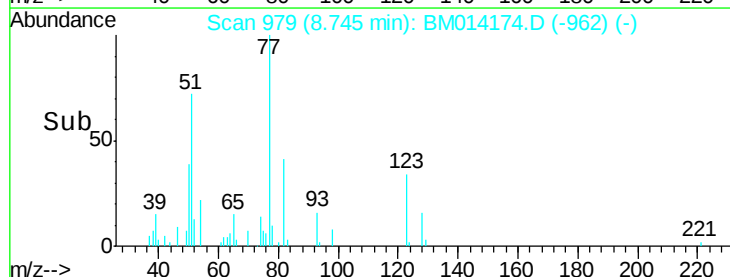
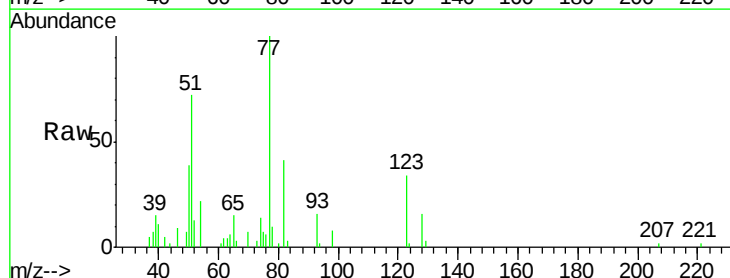
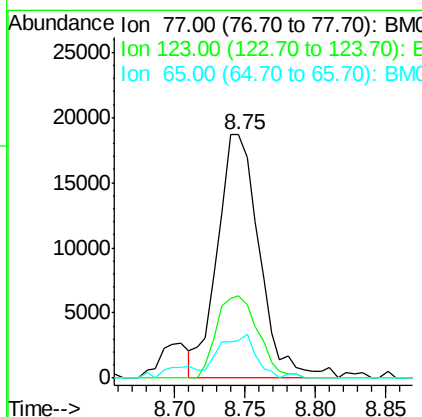
Manual Integrations
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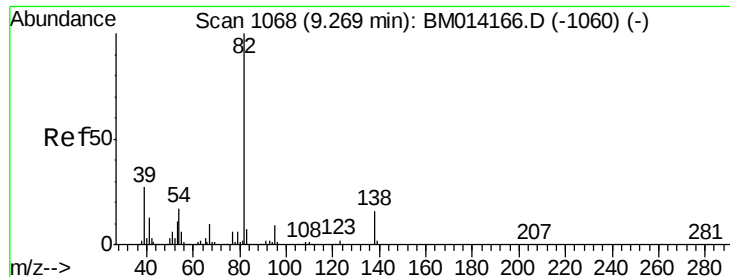
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 2/8/2018 3:50:36 PM



#24
 Nitrobenzene
 Concen: 4.86 ng
 RT: 8.75 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	38759		
123	33.8	32.6	49.0	
65	15.3	10.9	16.3	





#25

Isophorone

Concen: 4.60 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 82 Resp: 59088

Ion Ratio Lower Upper

82 100

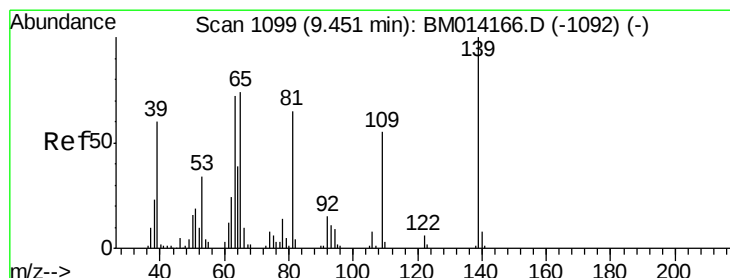
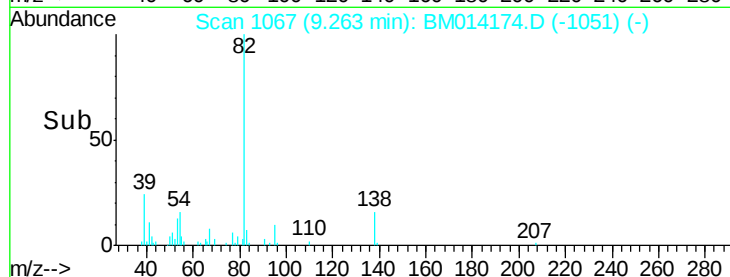
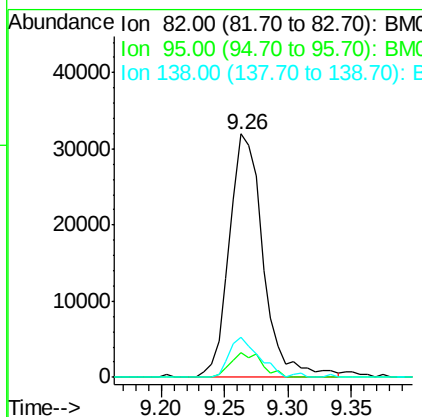
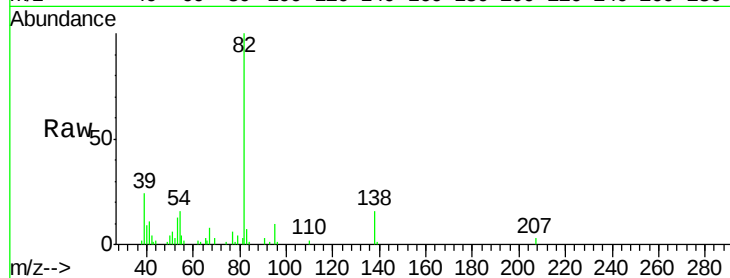
95 10.3 5.8 8.6#

138 16.2 16.3 24.5#

Manual Integrations
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2/8/2018 3:50:36 PM



#26

2-Nitrophenol

Concen: 3.85 ng

RT: 9.46 min Scan# 1101

Delta R.T. 0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

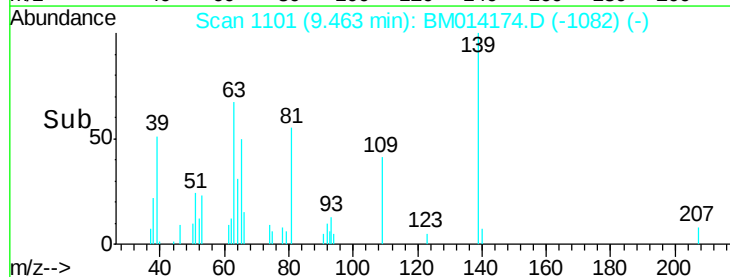
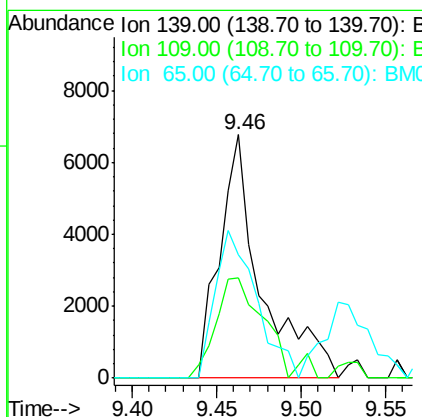
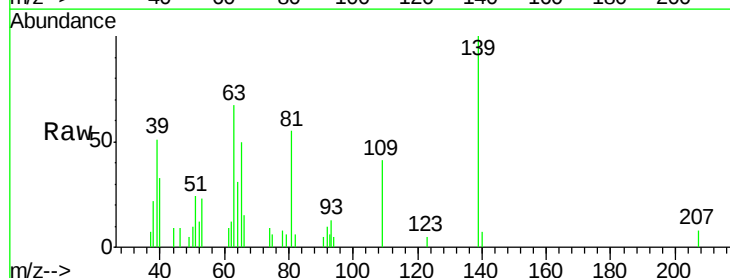
Tgt Ion: 139 Resp: 11578

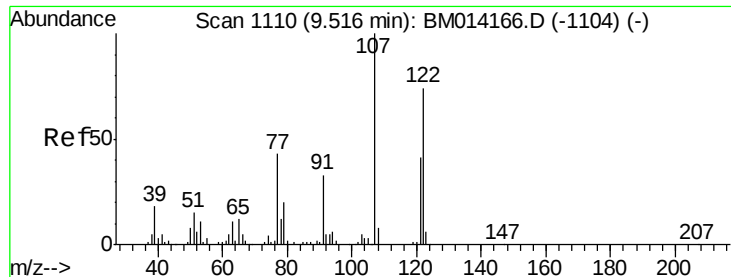
Ion Ratio Lower Upper

139 100

109 41.1 20.1 30.1#

65 50.4 31.5 47.3#





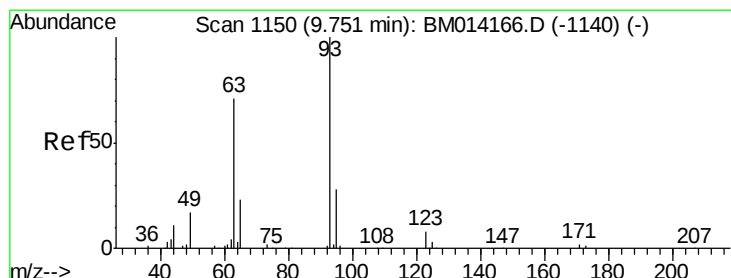
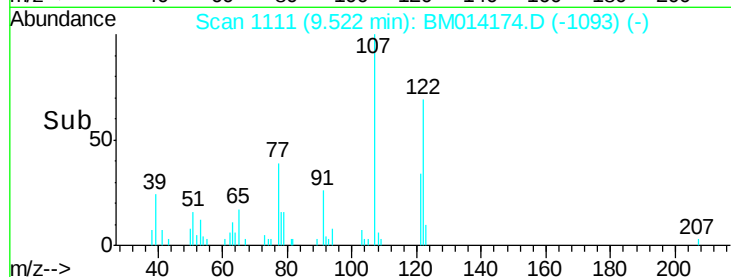
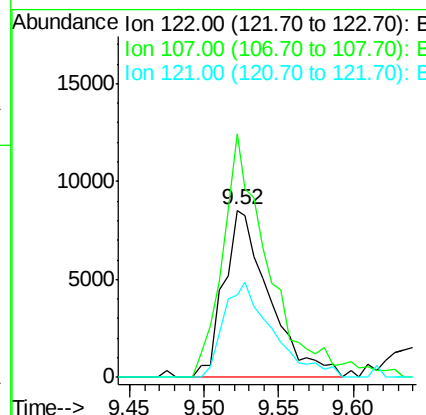
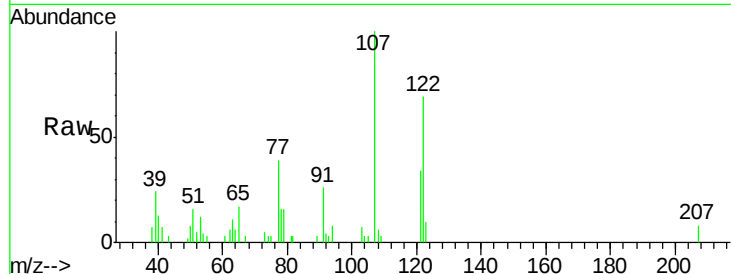
#27
2,4-Dimethylphenol
Concen: 3.96 ng
RT: 9.52 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	145.7	84.7	127.1#
121	48.9	46.6	69.8

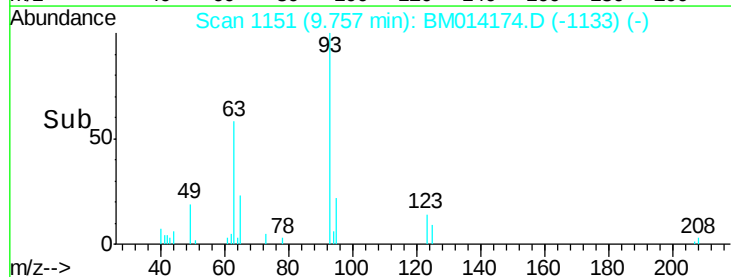
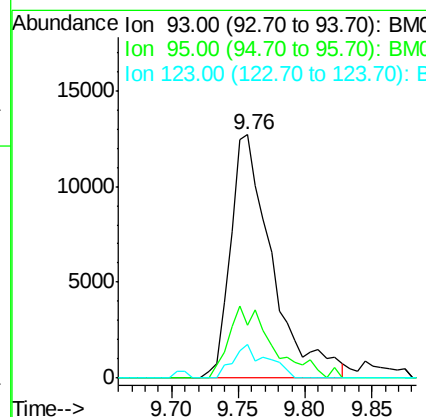
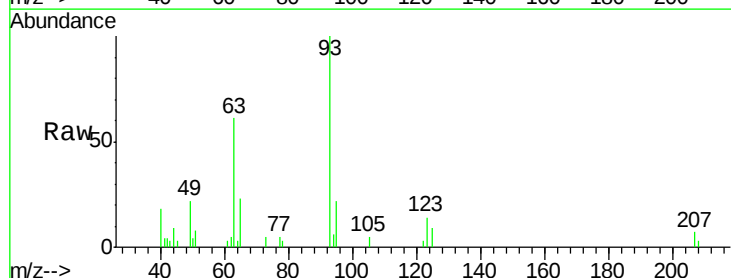
Manual Integrations
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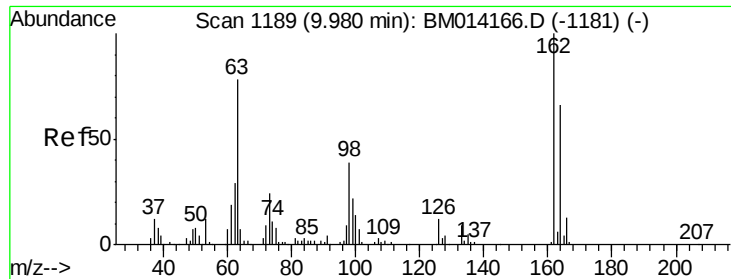
Sohil
2/8/2018 3:50:36 PM



#28
bis(2-Chloroethoxy)methane
Concen: 4.18 ng
RT: 9.76 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	21.8	25.5	38.3#
123	14.0	8.6	13.0#





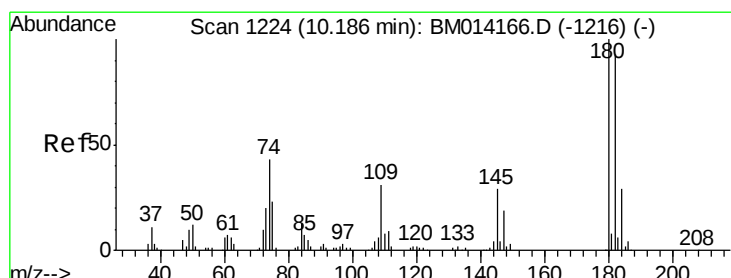
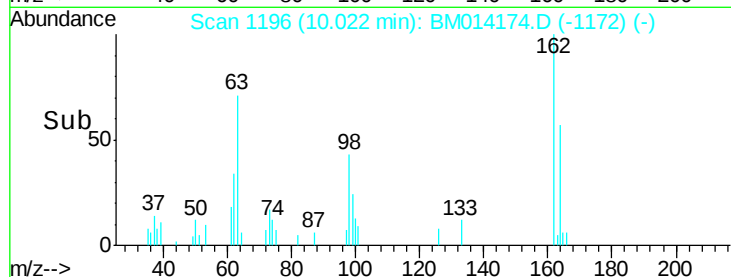
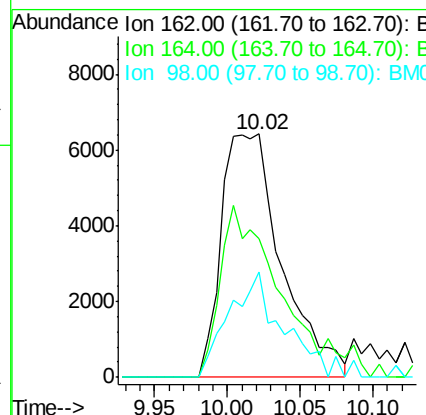
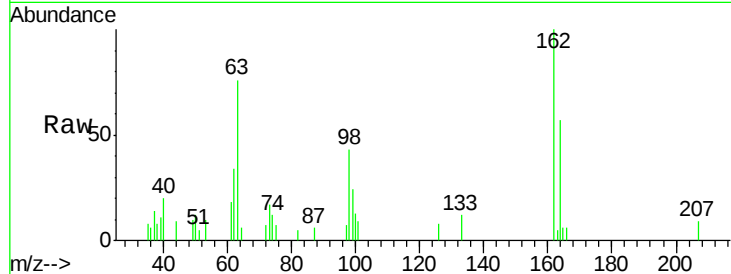
#29
 2,4-Dichlorophenol
 Concen: 3.61 ng m
 RT: 10.02 min Scan# 1196
 Delta R.T. 0.04 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	18513		
164	57.1	42.8	82.8	
98	43.0	14.5	54.5	

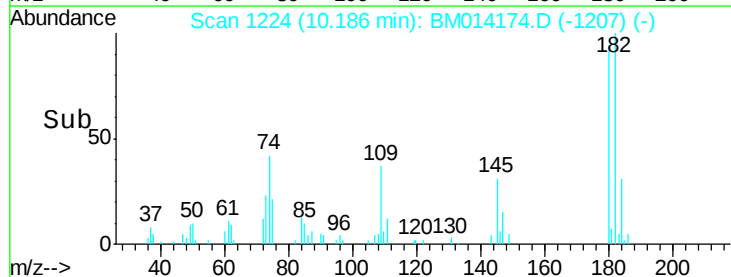
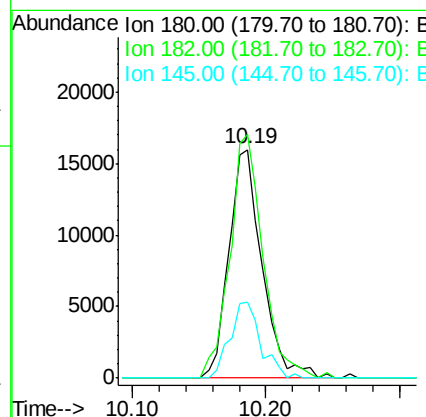
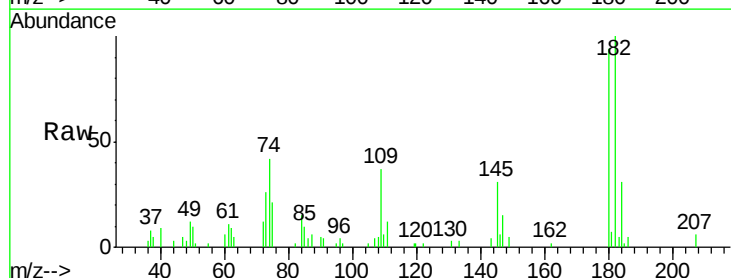
Manual Integrations
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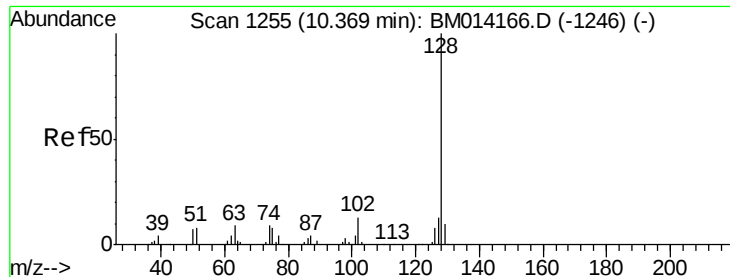
Sohil
 2/8/2018 3:50:36 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 4.12 ng
 RT: 10.19 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	27836		
182	106.6	77.6	116.4	
145	33.2	23.4	35.2	





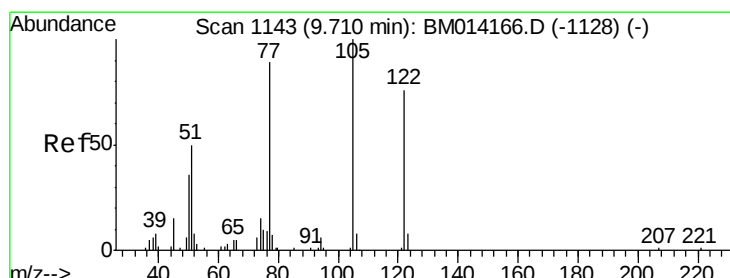
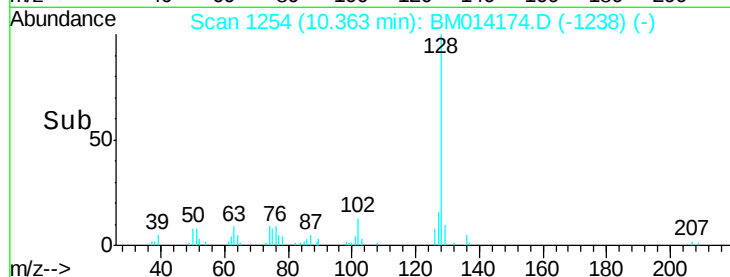
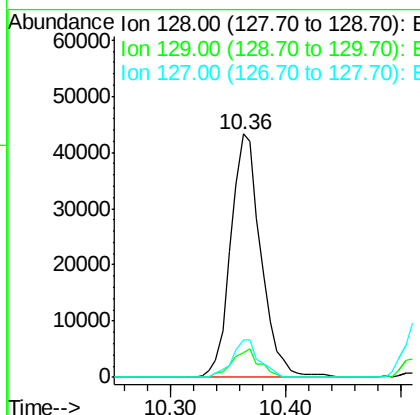
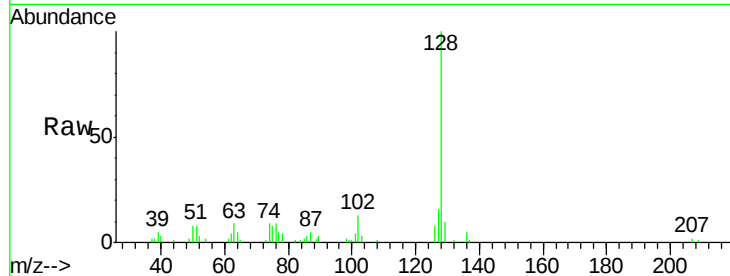
#31
Naphthalene
Concen: 4.15 ng
RT: 10.36 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	78699		
129	10.4	8.9	13.3	
127	15.5	10.4	15.6	

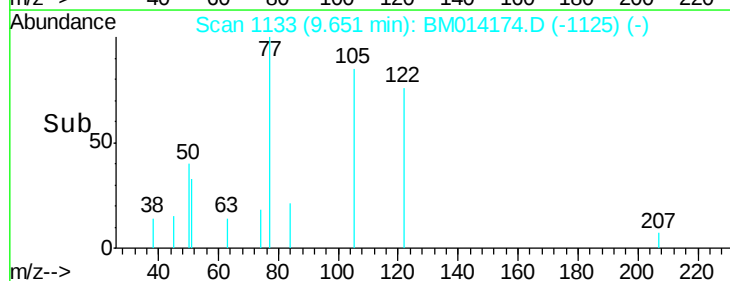
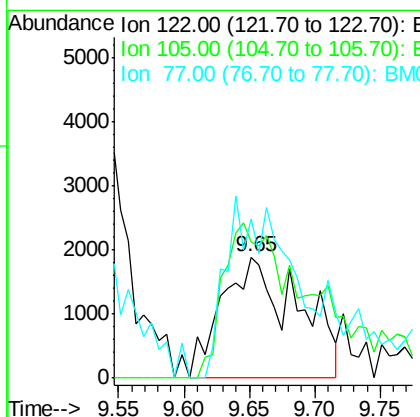
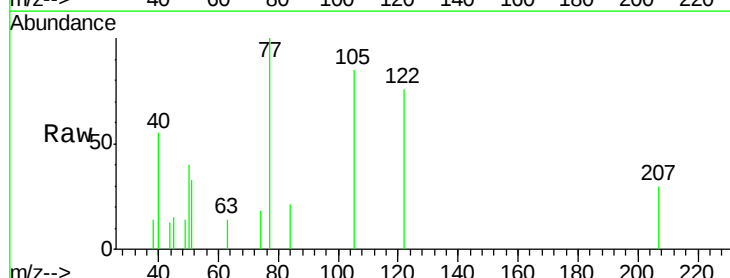
Manual Integrations
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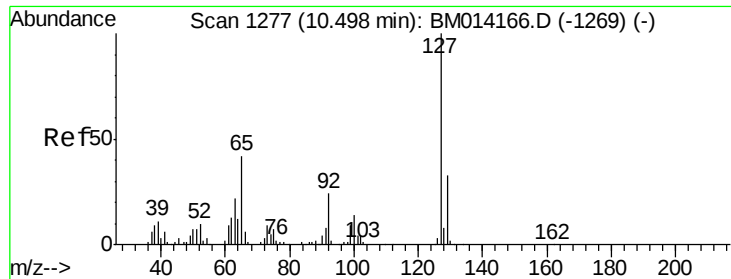
Sohil
2/8/2018 3:50:36 PM



#32
Benzoic acid
Concen: 7.87 ng m
RT: 9.65 min Scan# 1133
Delta R.T. -0.05 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	7653		
105	112.1	99.9	139.9	
77	131.6	73.7	113.7#	





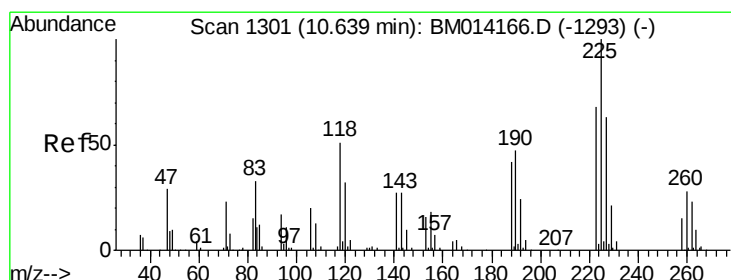
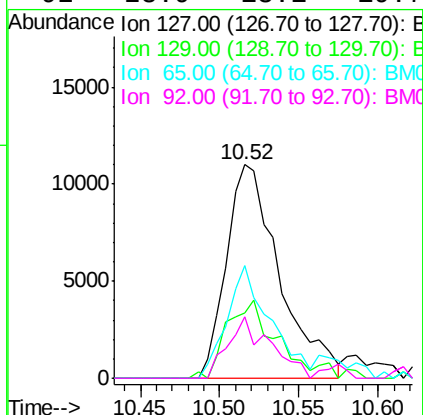
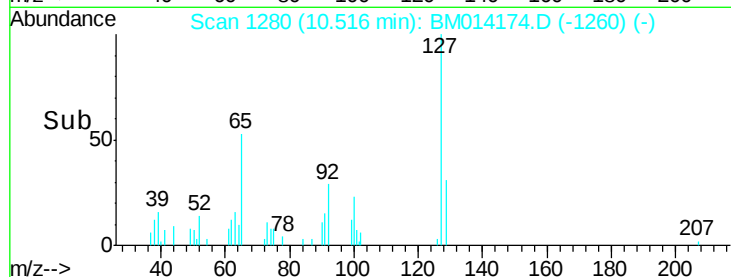
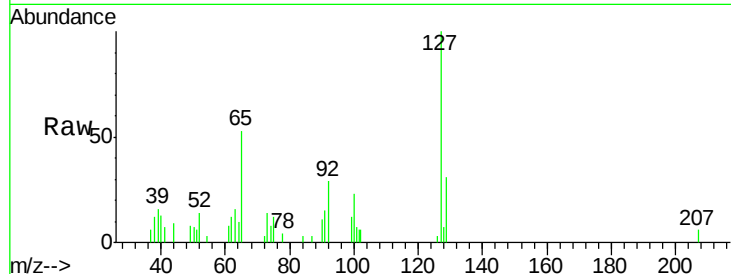
#33
4-Chloroaniline
Concen: 3.25 ng
RT: 10.52 min Scan# 1280
Delta R.T. 0.02 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	25581		
129	30.5	25.3	37.9	
65	52.7	17.6	26.4	
92	28.9	13.1	19.7	

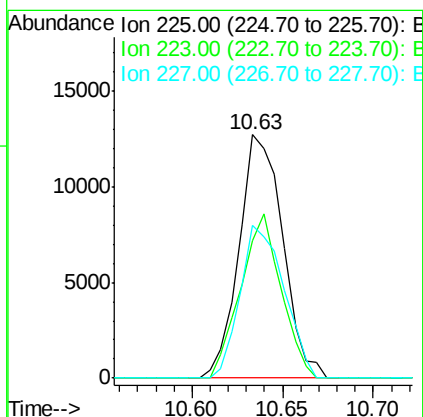
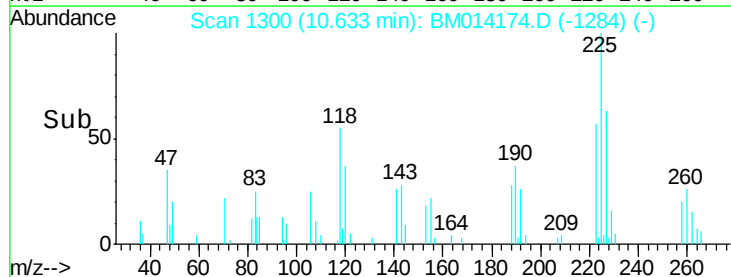
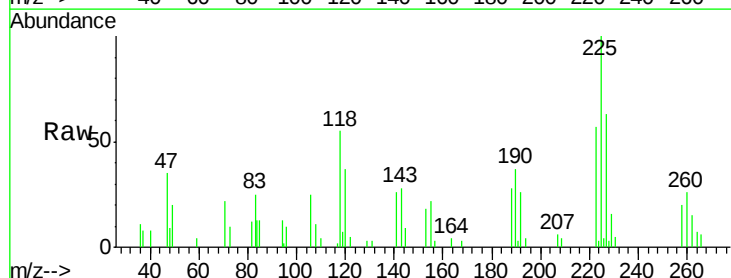
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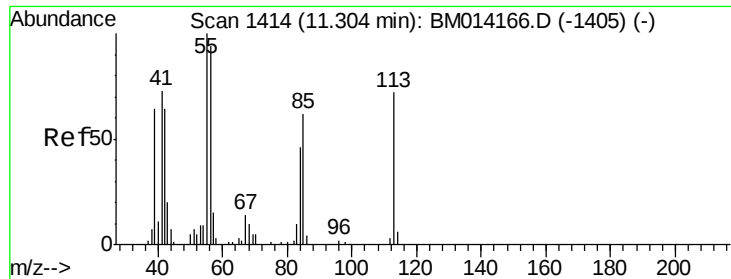
Sohil
2/8/2018 3:50:36 PM



#34
Hexachlorobutadiene
Concen: 4.61 ng
RT: 10.63 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21355		
223	56.6	47.9	71.9	
227	62.9	50.1	75.1	





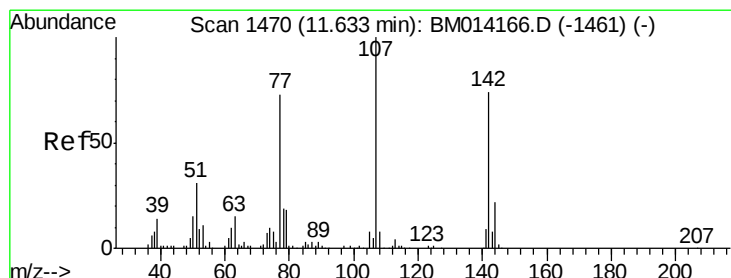
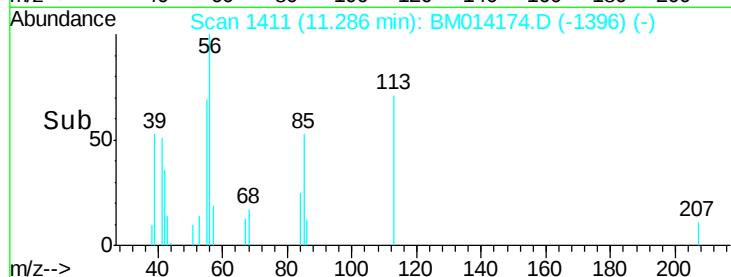
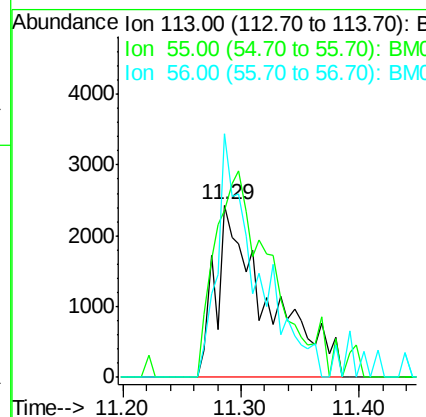
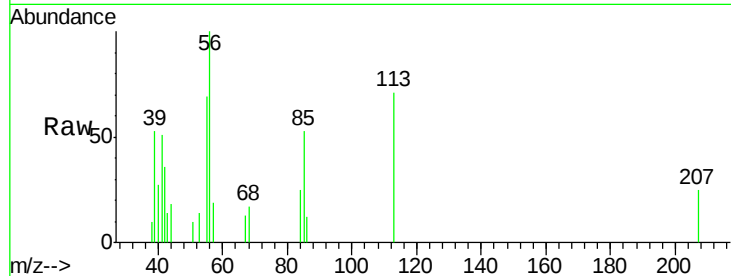
#35
 Caprolactam
 Concen: 4.13 ng m
 RT: 11.29 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
113	100		
55	97.0	145.9	185.9#
56	141.1	101.0	141.0#

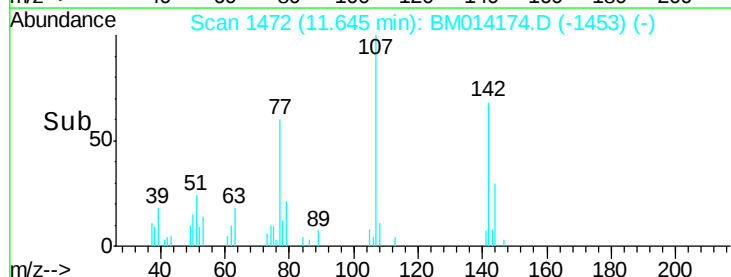
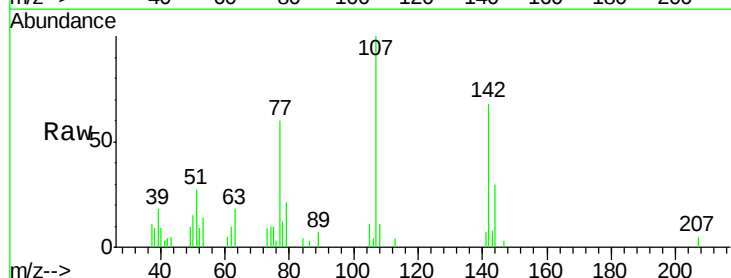
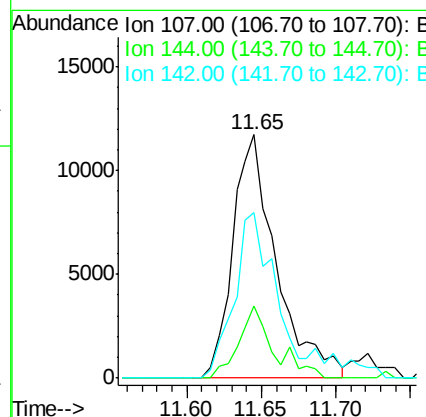
Manual Integrations
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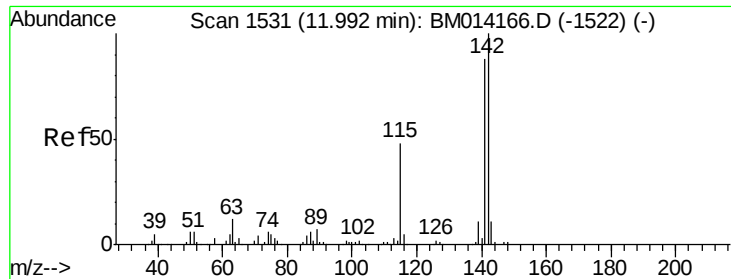
Sohil
 2/8/2018 3:50:36 PM



#36
 4-Chloro-3-methylphenol
 Concen: 3.75 ng
 RT: 11.65 min Scan# 1472
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.3	34.9
142	68.0	72.6	109.0#





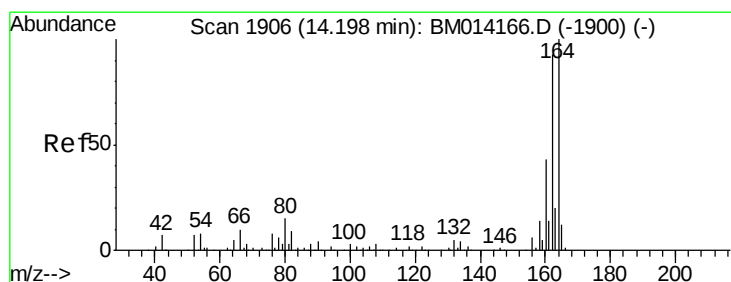
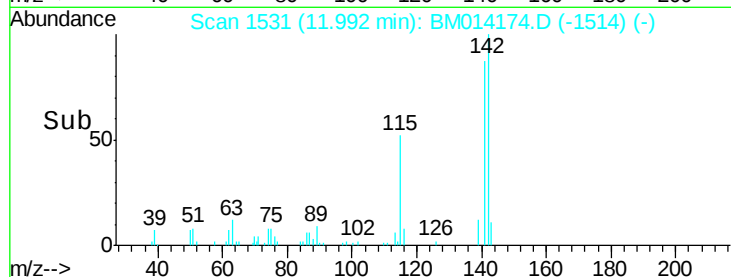
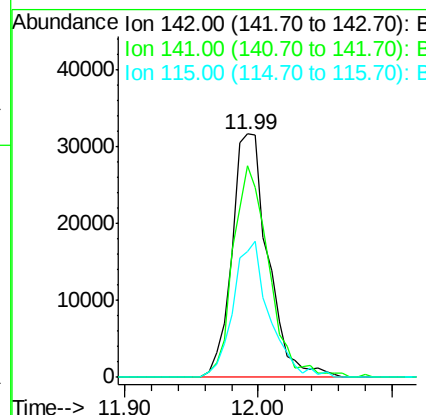
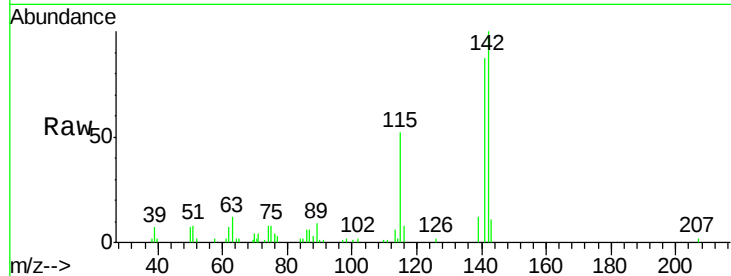
#37
2-Methylnaphthalene
Concen: 4.20 ng
RT: 11.99 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	59917		
141	86.9	71.9	107.9	
115	51.9	25.4	38.0	

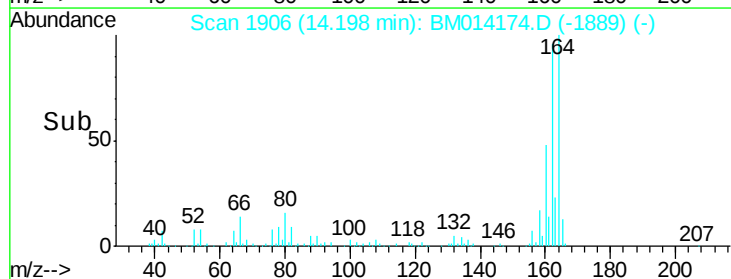
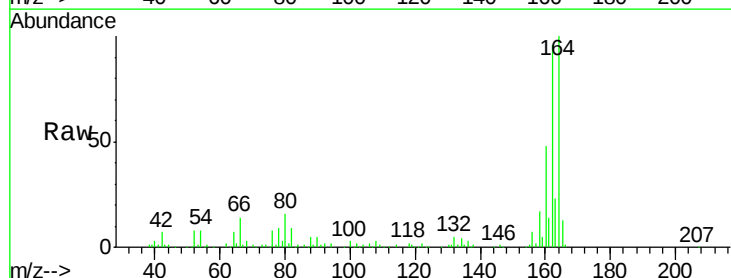
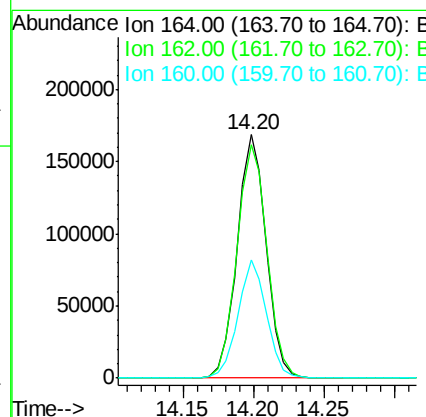
Manual Integrations
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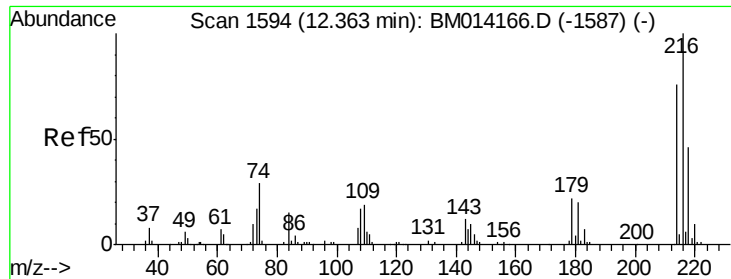
Sohil
2/8/2018 3:50:36 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.20 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240244		
162	95.8	82.4	123.6	
160	48.4	35.8	53.6	





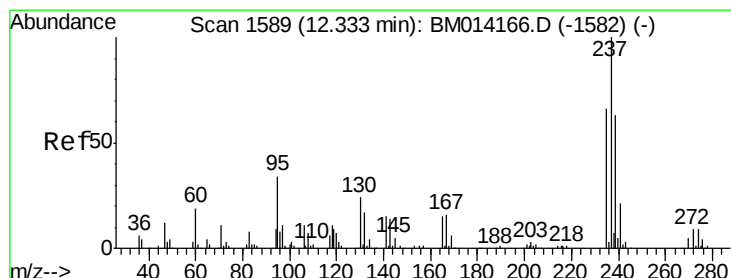
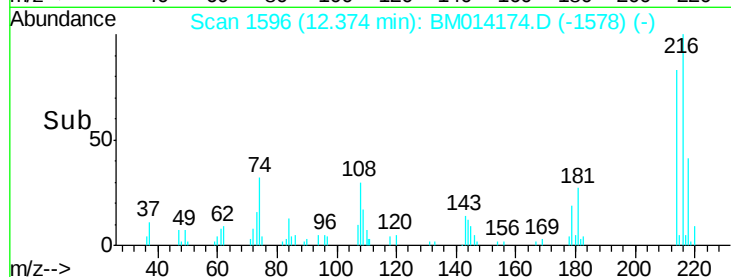
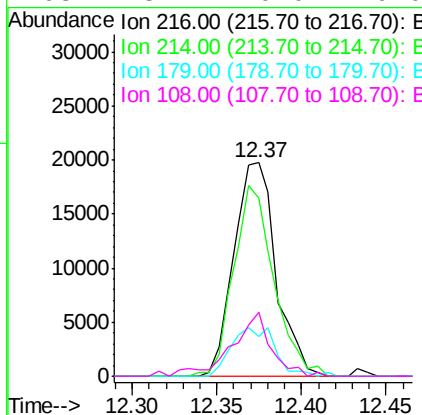
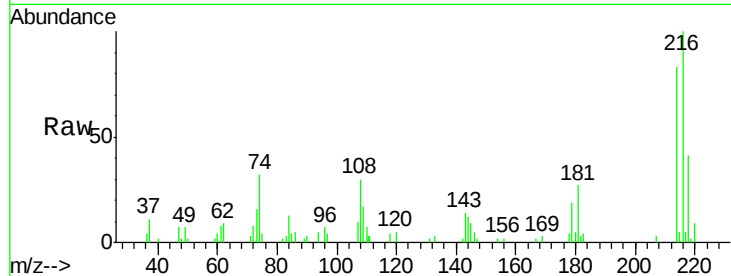
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.08 ng
 RT: 12.37 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	34360		
214	85.0	0.0	0.0	0.0
179	24.0	0.0	0.0	0.0
108	28.2	0.0	0.0	0.0

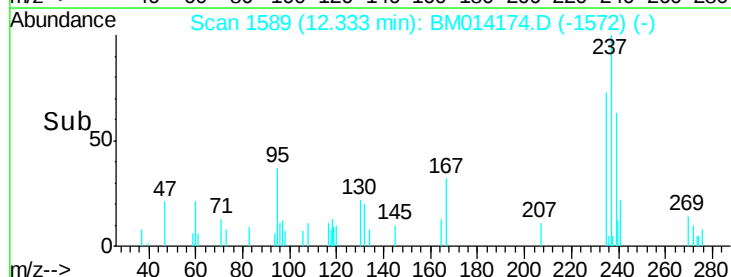
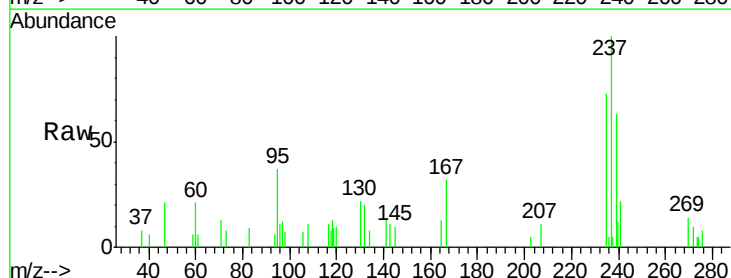
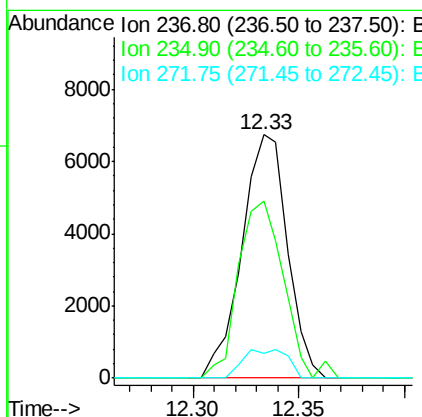
Manual Integrations
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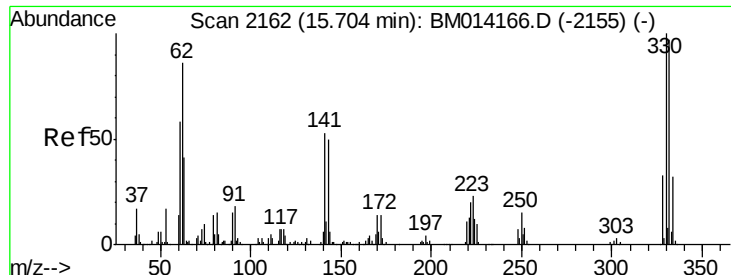
Sohil
 2/8/2018 3:50:36 PM



#40
 Hexachlorocyclopentadiene
 Concen: 8.06 ng
 RT: 12.33 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	10099		
235	72.6	42.0	82.0	
272	10.2	0.0	33.4	





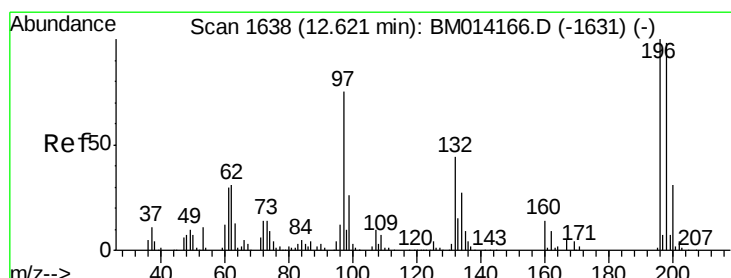
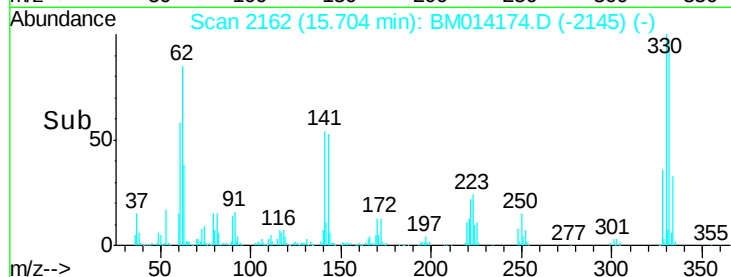
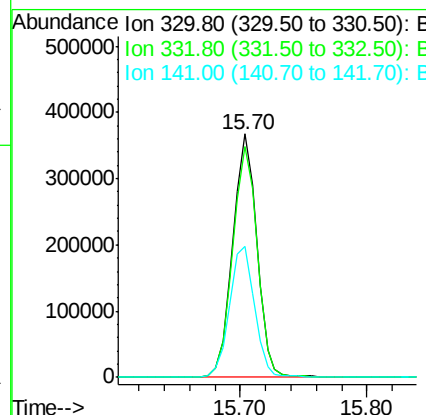
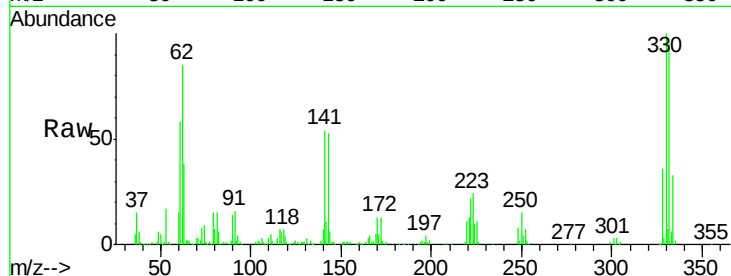
#41
 2,4,6-Tribromophenol
 Concen: 141.84 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	55.9	0.0	0.0#

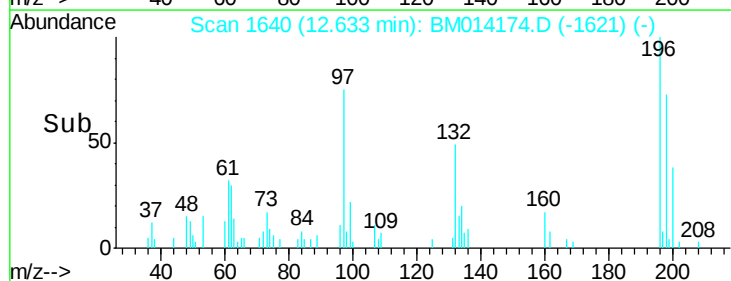
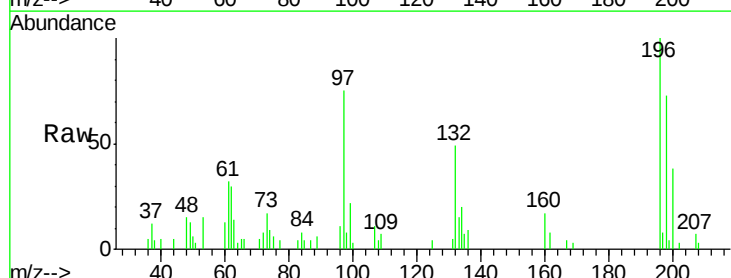
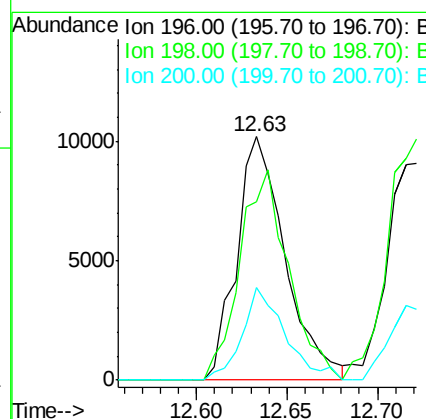
Manual Integrations
 APPROVED

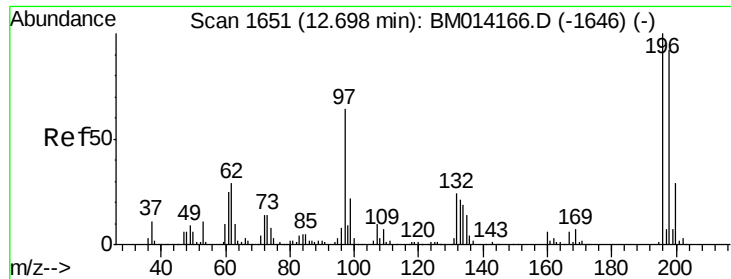
Sohil
 2/8/2018 3:50:36 PM



#42
 2,4,6-Trichlorophenol
 Concen: 3.84 ng
 RT: 12.63 min Scan# 1640
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	73.3	76.3	114.5#
200	38.2	25.6	38.4





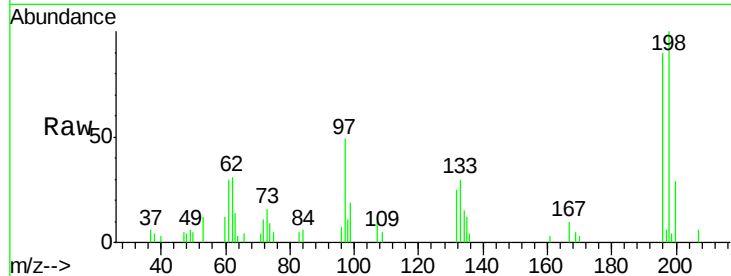
#43
2,4,5-Trichlorophenol
Concen: 2.83 ng
RT: 12.72 min Scan# 1655
Delta R.T. 0.02 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	15476		
198	116.0	79.4	119.0	
97	54.3	26.8	40.2	
132	27.9	18.6	28.0	

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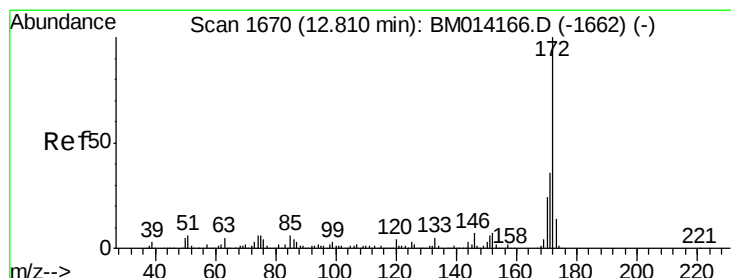
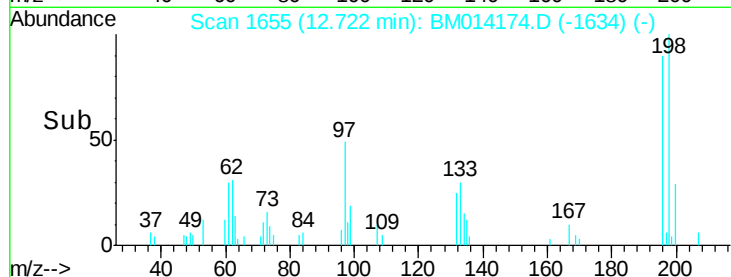
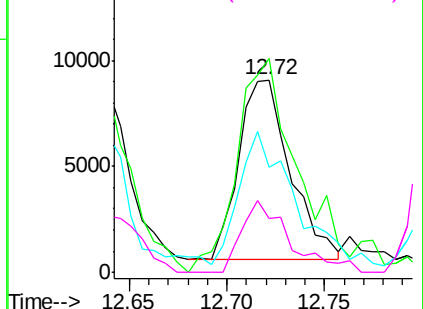
Abundance

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: 91.32 ng
RT: 12.81 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

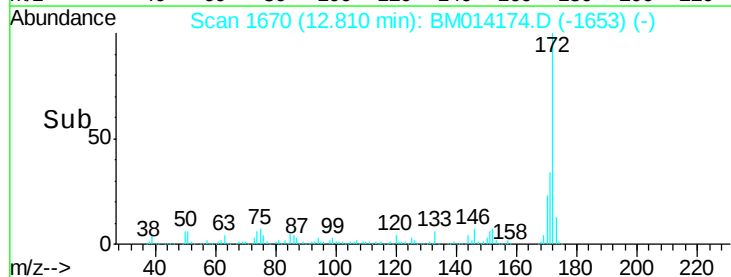
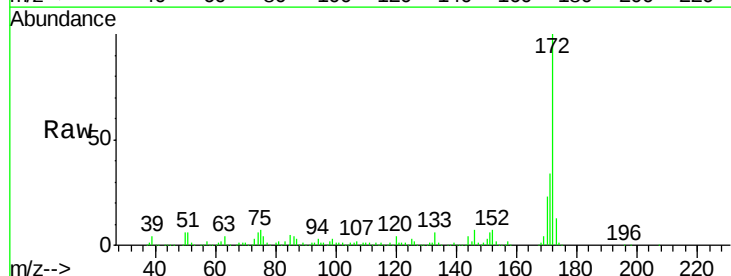
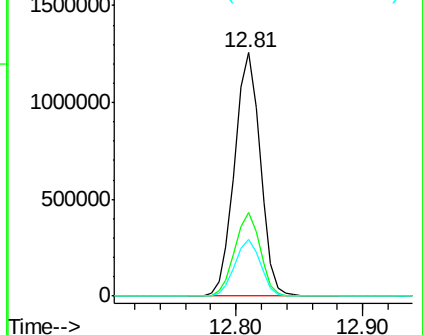
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1757434		
171	34.4	28.5	42.7	
170	23.3	18.8	28.2	

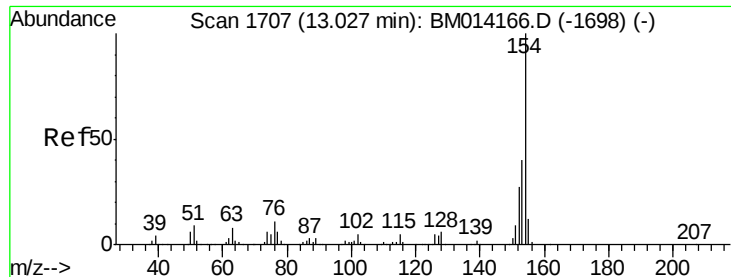
Abundance

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





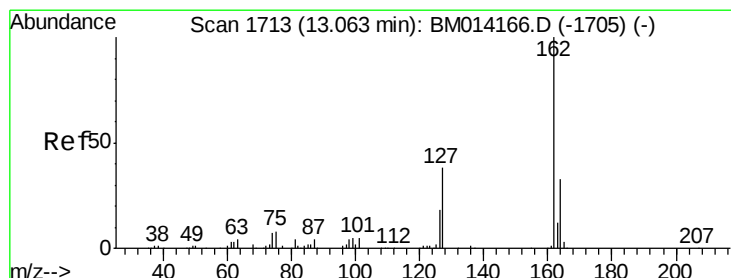
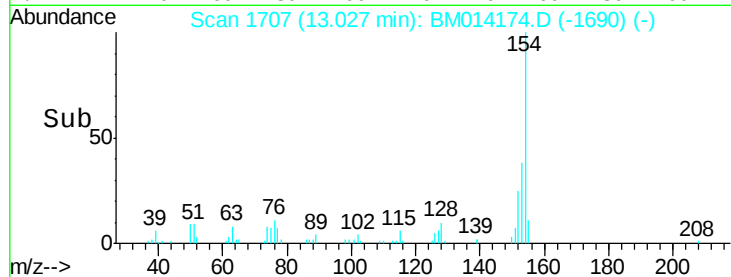
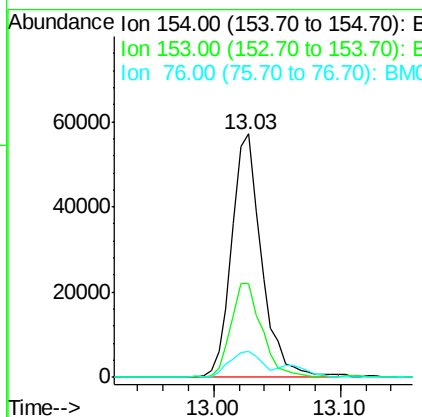
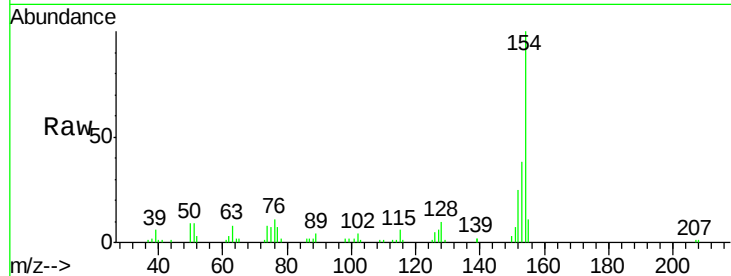
#45
1,1'-Biphenyl
Concen: 4.48 ng
RT: 13.03 min Scan# 1707
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.5	20.7	60.7
76	10.7	0.0	30.9

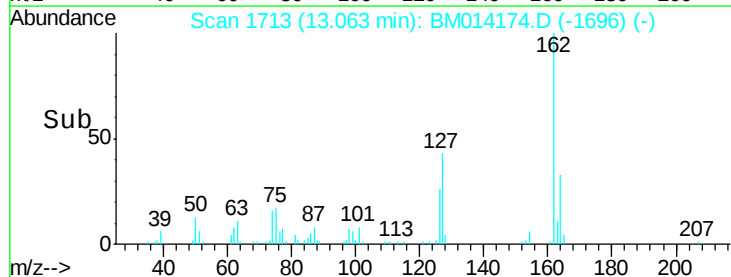
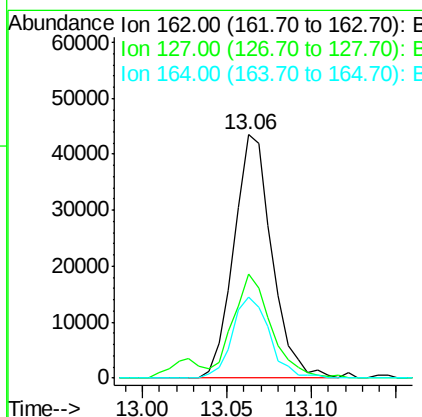
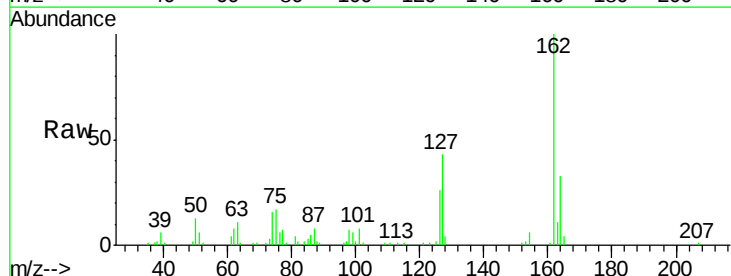
Manual Integrations
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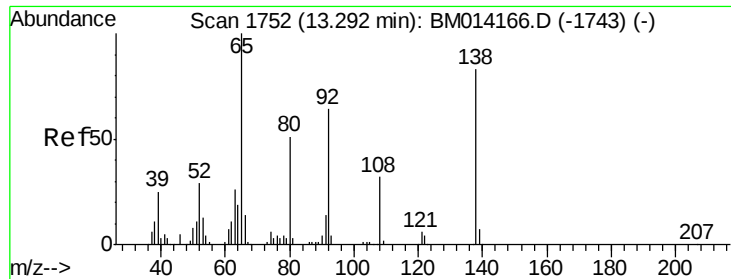
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#46
2-Chloronaphthalene
Concen: 4.31 ng
RT: 13.06 min Scan# 1713
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.0	26.9	40.3#
164	33.2	26.8	40.2





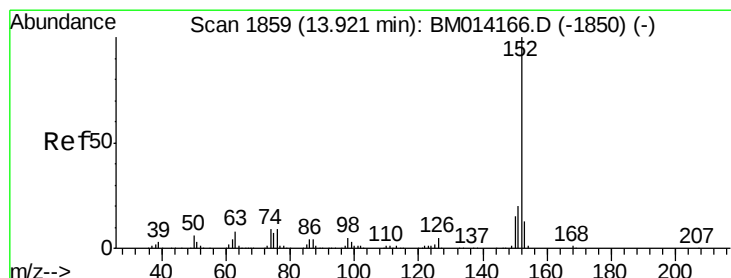
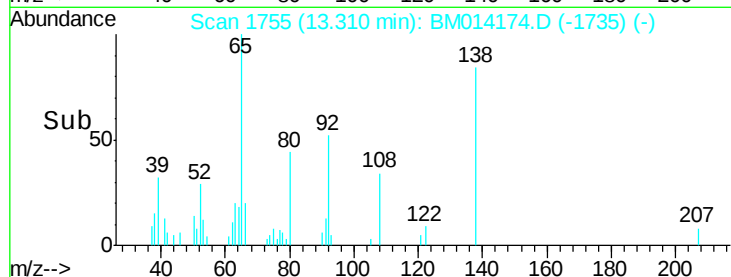
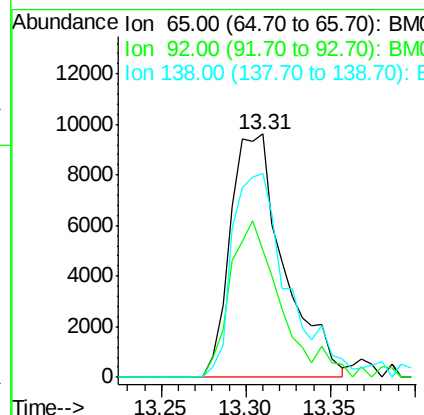
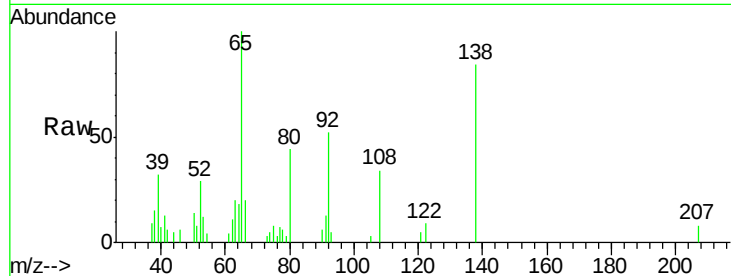
#47
2-Nitroaniline
Concen: 3.65 ng
RT: 13.31 min Scan# 1755
Delta R.T. 0.02 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
65	100		
92	52.4	59.1	88.7#
138	83.6	93.9	140.9#

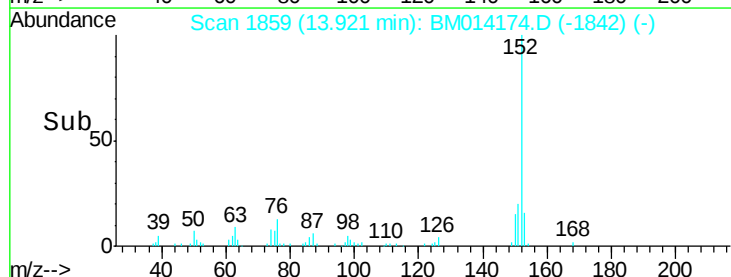
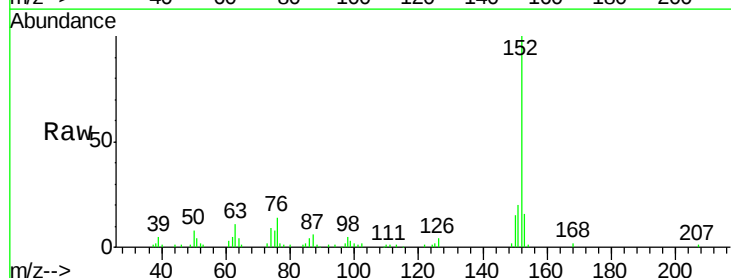
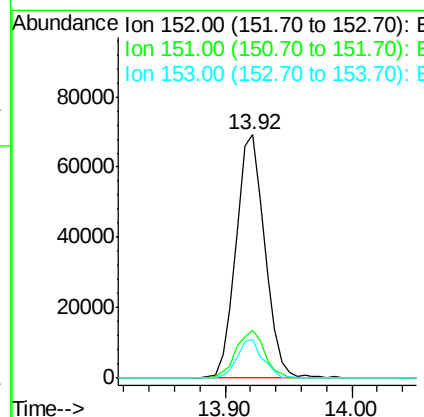
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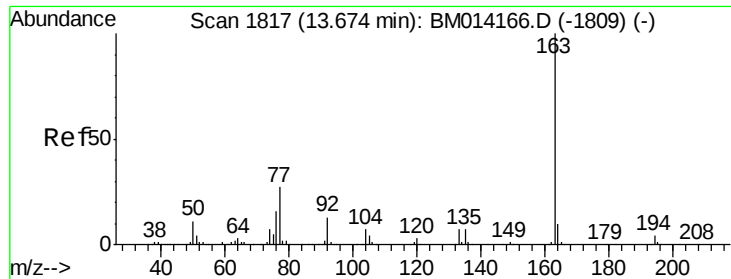
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#48
Acenaphthylene
Concen: 4.18 ng
RT: 13.92 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	15.8	10.6	16.0





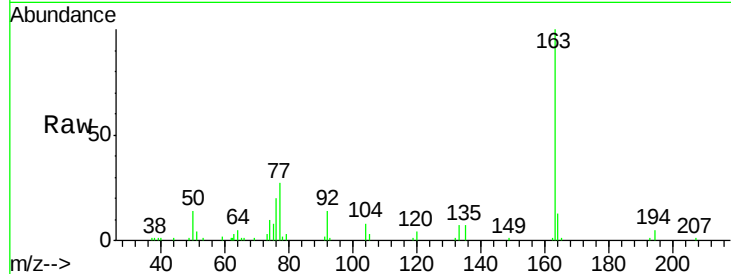
#49
Dimethylphthalate
Concen: 4.47 ng
RT: 13.67 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

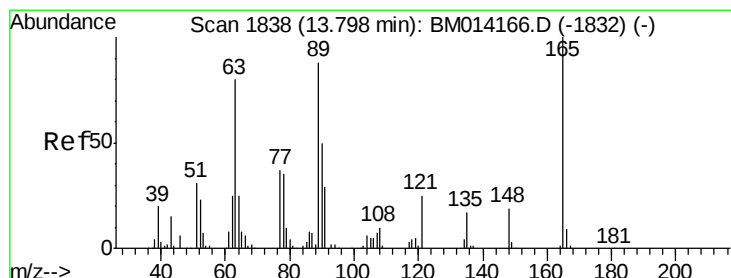
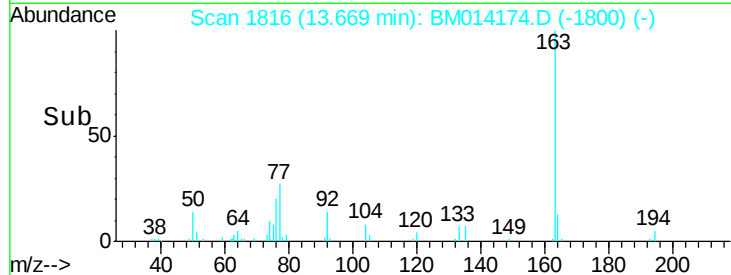
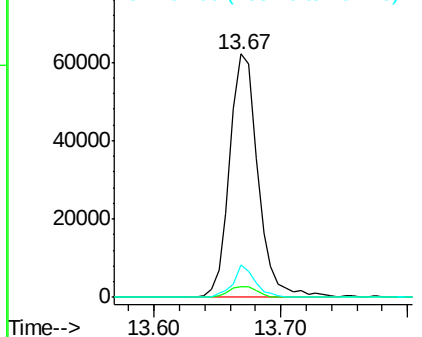
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	96194		
194	4.5	2.7	4.1#	
164	13.1	8.2	12.2#	

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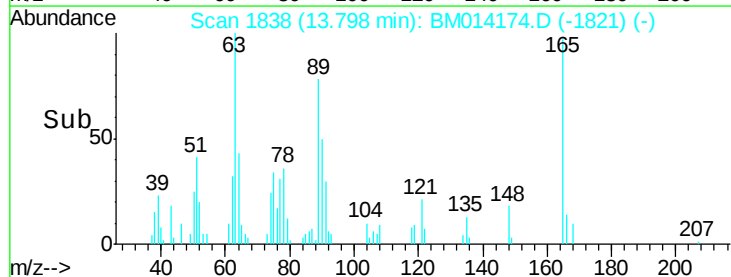
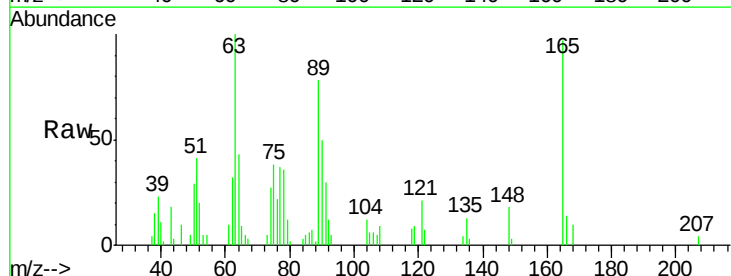
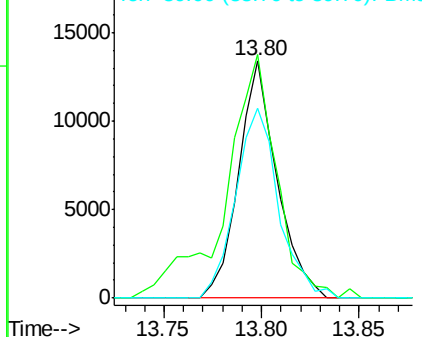
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

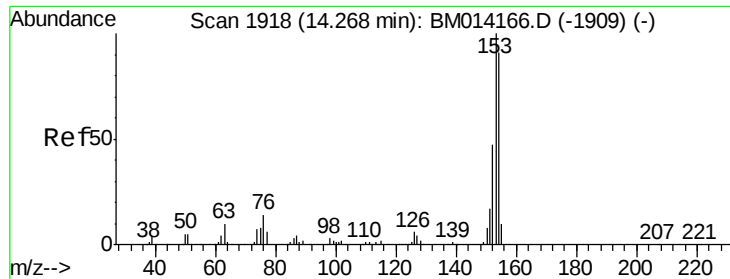


#50
2,6-Dinitrotoluene
Concen: 4.14 ng
RT: 13.80 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	18270		
63	102.6	44.1	66.1#	
89	79.9	44.3	66.5#	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 4.42 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

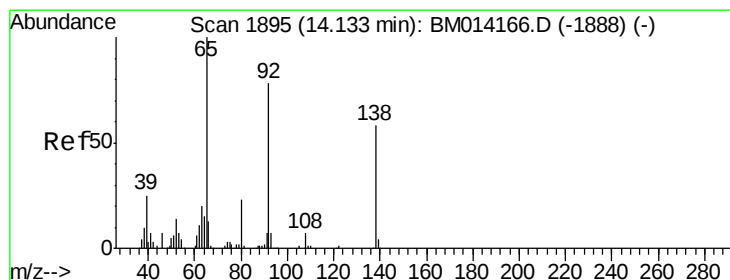
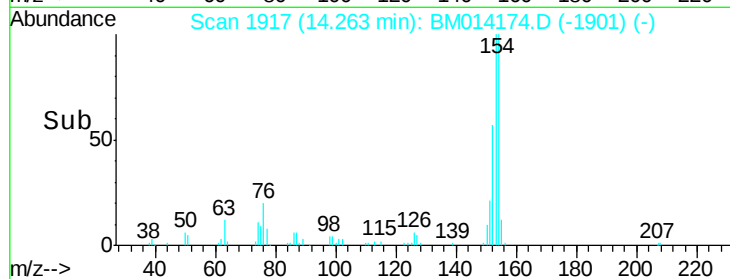
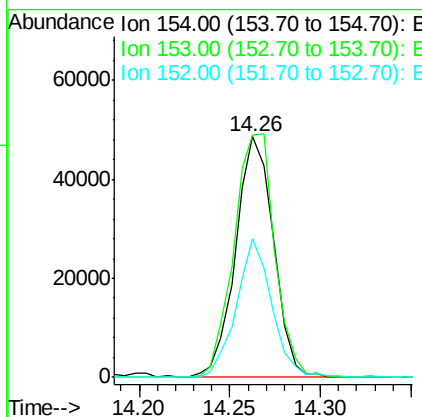
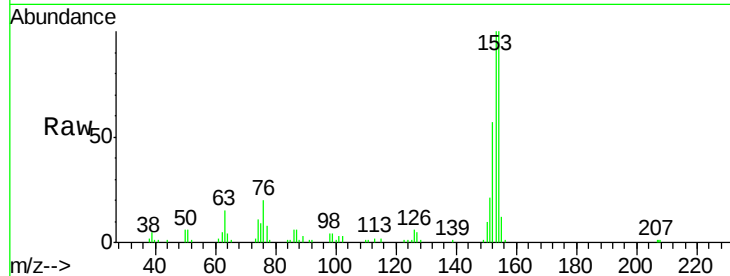
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	154	Resp:	70599
Ion Ratio	Lower	Upper	
154	100		
153	100.5	90.0	135.0
152	57.3	42.6	63.8

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#52

3-Nitroaniline

Concen: 3.08 ng

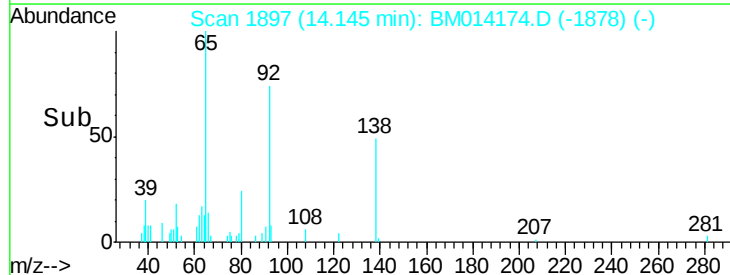
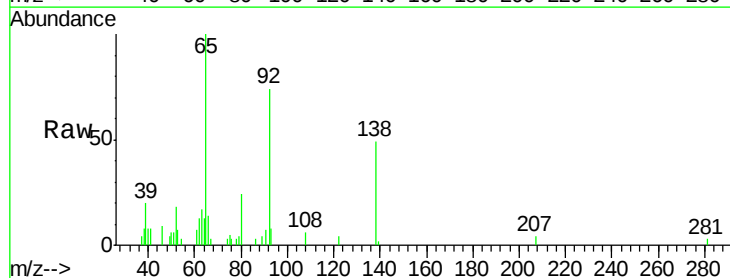
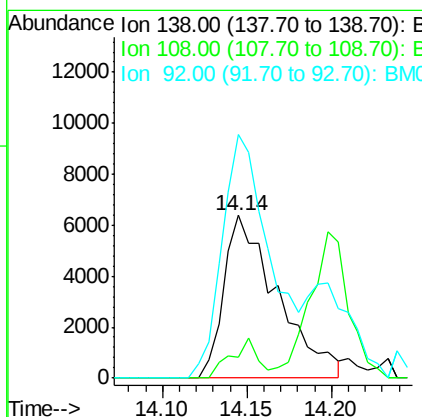
RT: 14.14 min Scan# 1897

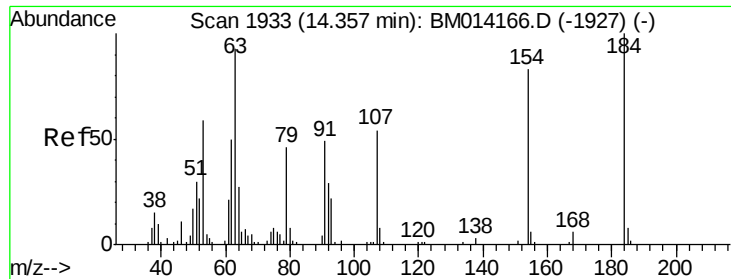
Delta R.T. 0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	138	Resp:	14069
Ion Ratio	Lower	Upper	
138	100		
108	13.0	7.3	10.9#
92	149.6	76.6	114.8#





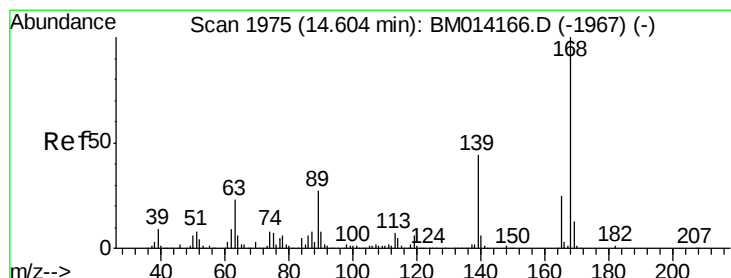
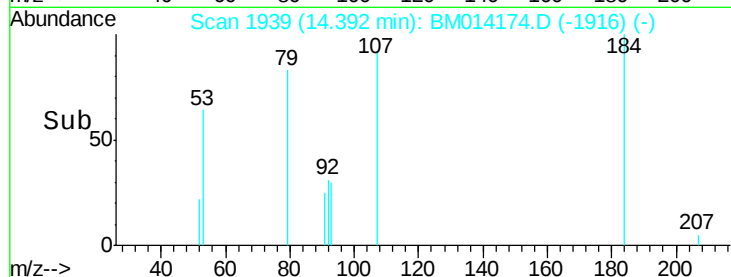
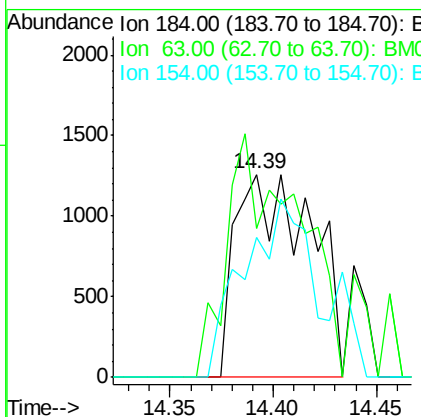
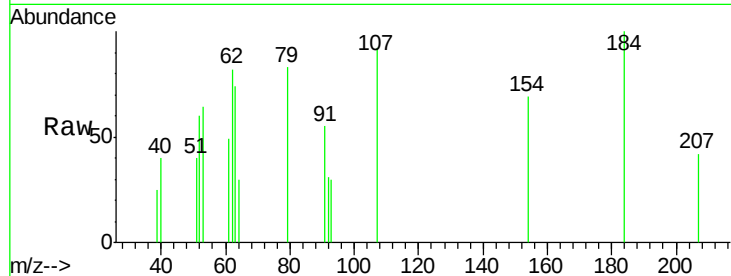
#53
2,4-Dinitrophenol
Concen: 8.82 ng m
RT: 14.39 min Scan# 1939
Delta R.T. 0.04 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	3191		
63	73.6	69.2	103.8	
154	68.8	53.3	79.9	

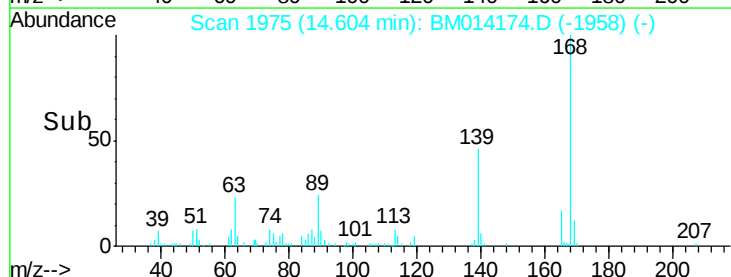
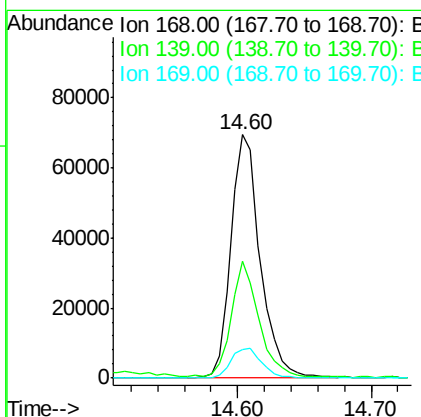
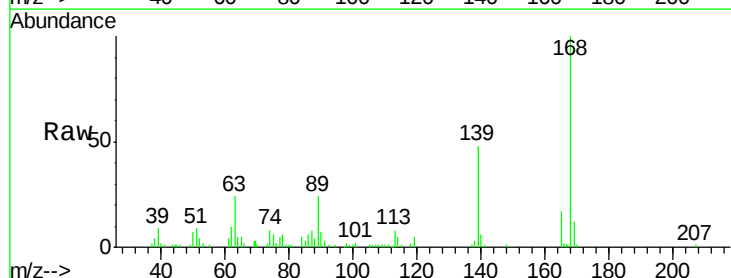
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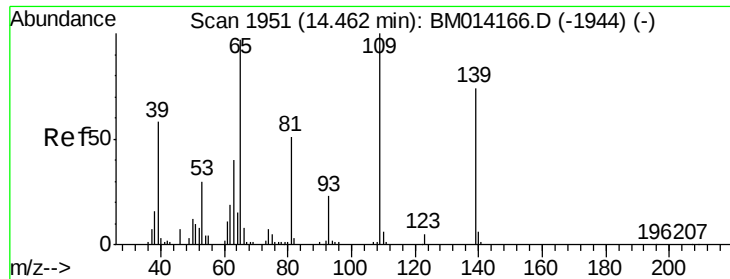
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#54
Dibenzofuran
Concen: 4.26 ng
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	106345		
139	47.9	27.3	40.9#	
169	11.9	10.6	16.0	





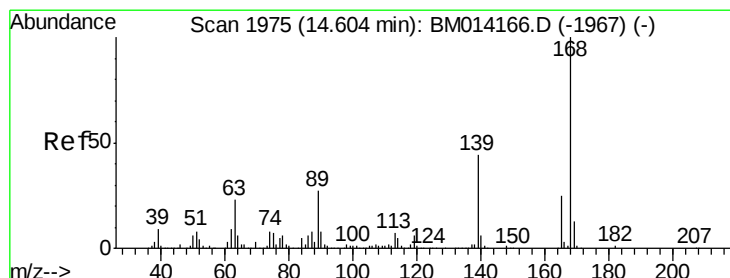
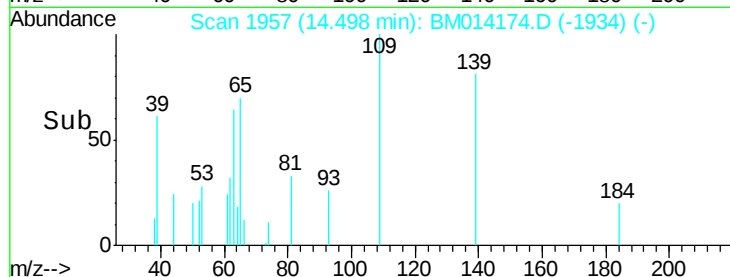
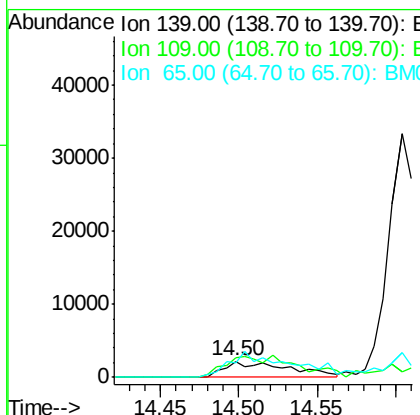
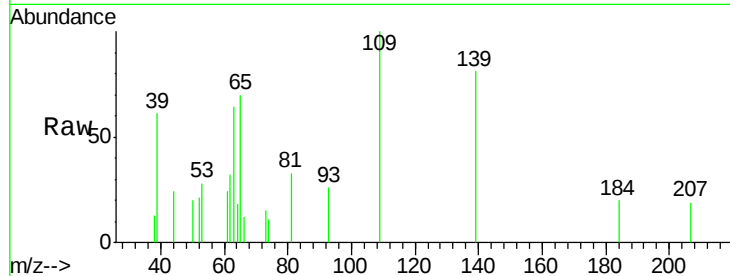
#55
4-Nitrophenol
Concen: 7.40 ng m
RT: 14.50 min Scan# 1957
Delta R.T. 0.04 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	6281		
109	123.9	130.0	170.0#	
65	86.5	130.0	170.0#	

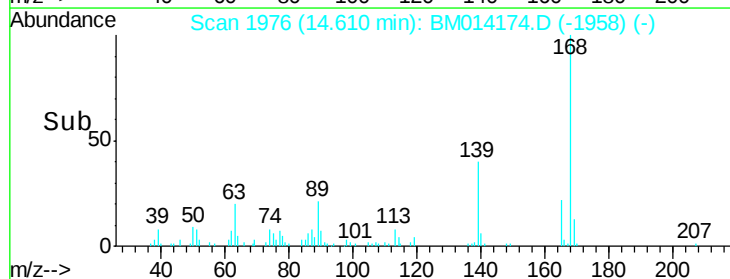
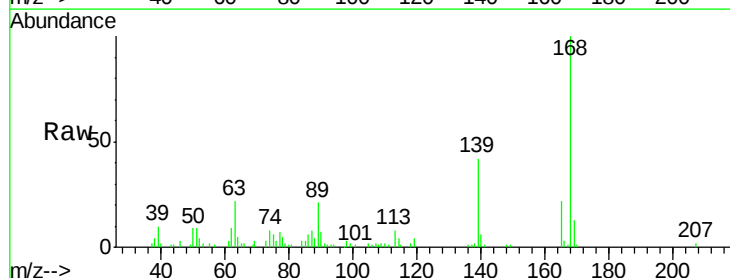
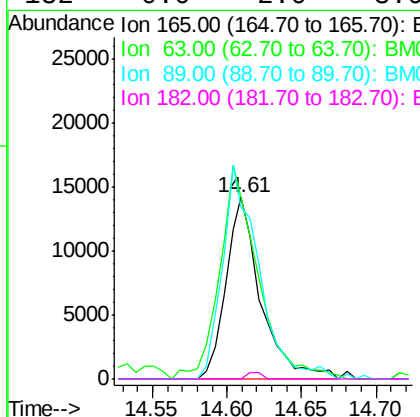
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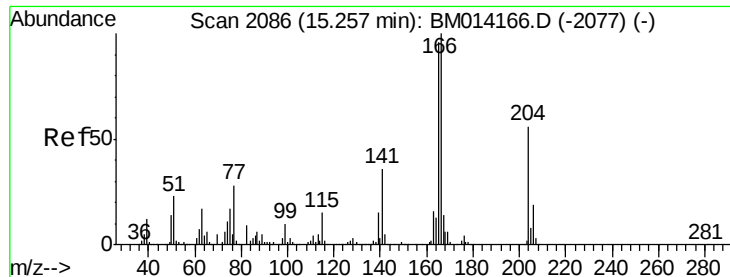
Sohil
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#56
2,4-Dinitrotoluene
Concen: 3.39 ng
RT: 14.61 min Scan# 1976
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	23094		
63	99.7	52.4	78.6#	
89	94.6	72.4	108.6	
182	0.0	2.0	3.0#	





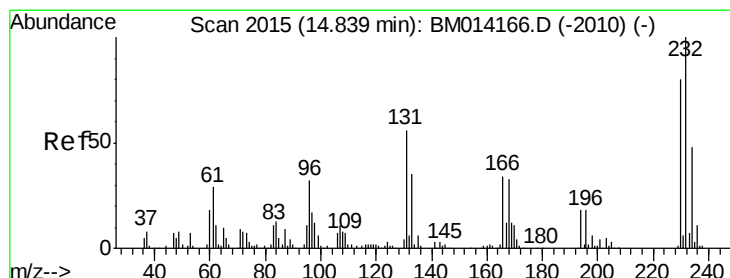
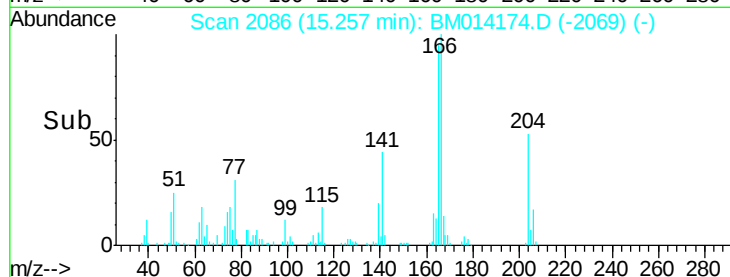
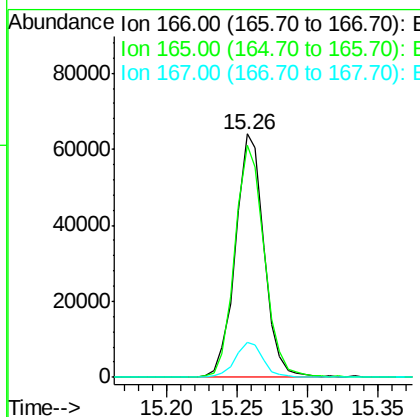
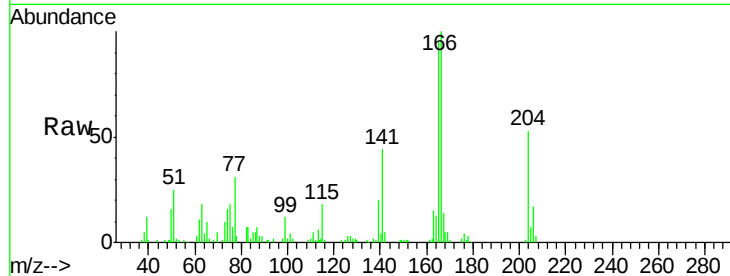
#57
 Fluorene
 Concen: 4.11 ng
 RT: 15.26 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	90122		
165	95.2	79.0	118.4	
167	14.2	10.3	15.5	

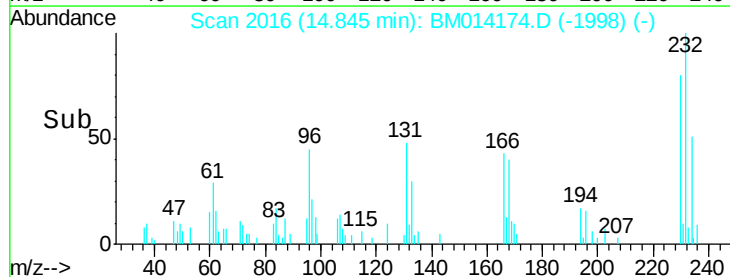
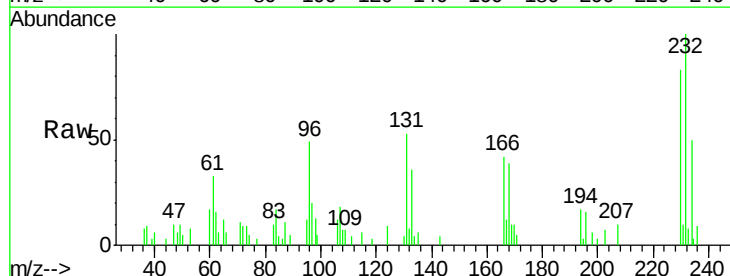
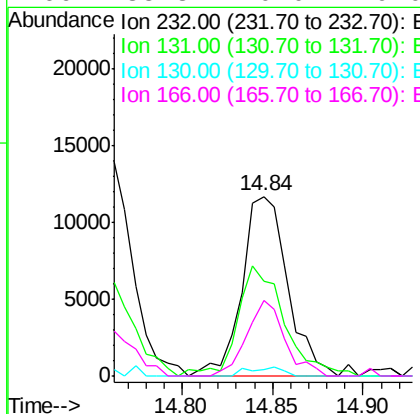
Manual Integrations
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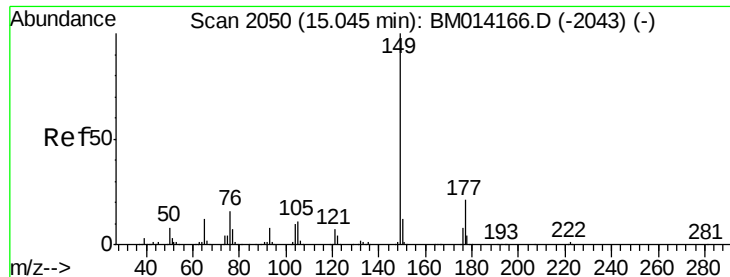
Sohil
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.80 ng
 RT: 14.84 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	20459		
131	62.8	0.0	0.0#	
130	3.8	0.0	0.0#	
166	35.3	0.0	0.0#	





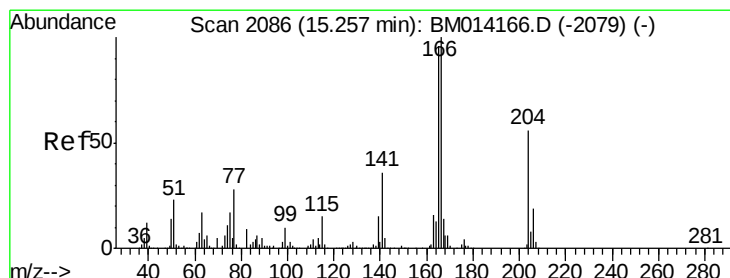
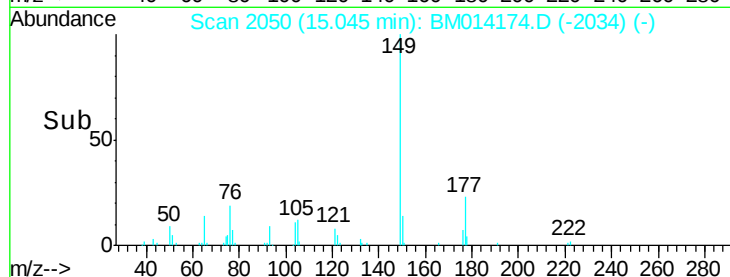
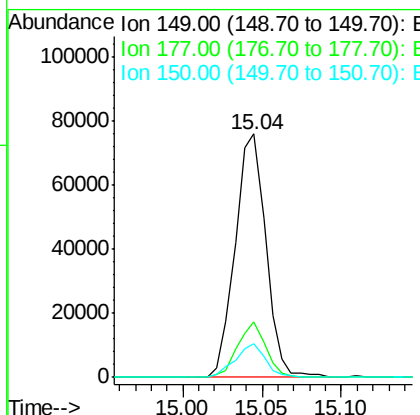
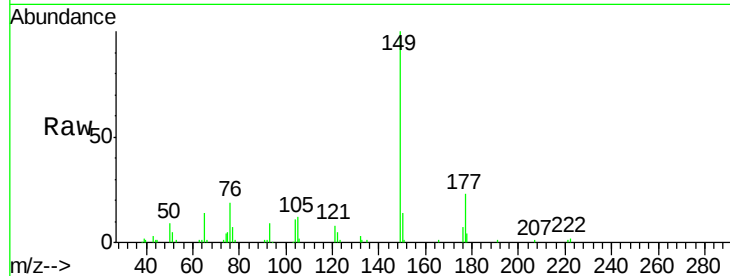
#59
Diethylphthalate
Concen: 4.27 ng
RT: 15.04 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.3	27.5
150	14.0	9.8	14.8

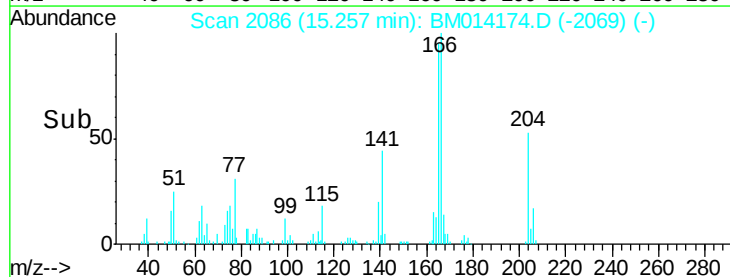
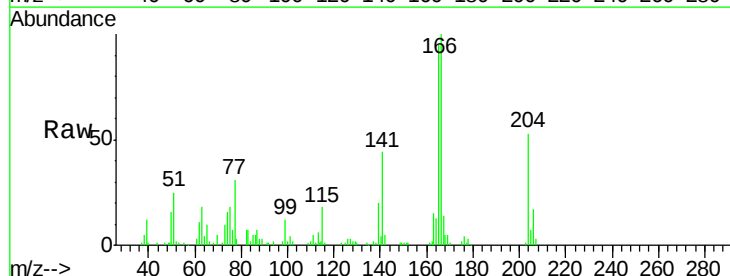
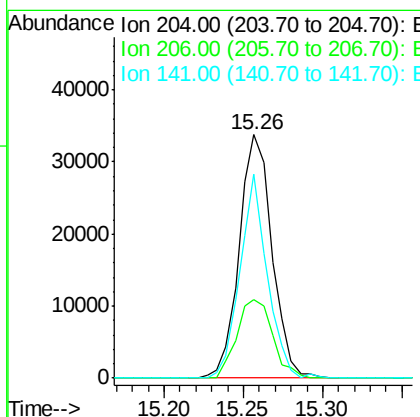
Manual Integrations
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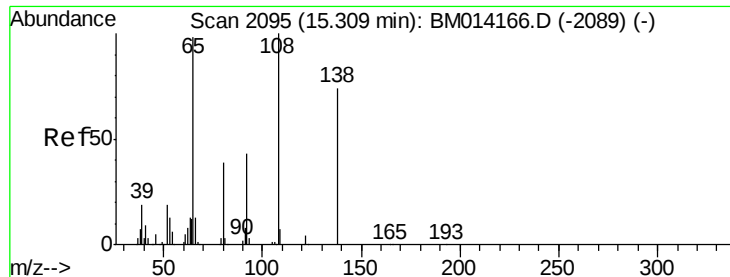
Sohil
2/8/2018 3:50:36 PM



#60
4-Chlorophenyl-phenylether
Concen: 4.24 ng
RT: 15.26 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.6	39.8
141	83.8	45.2	67.8#





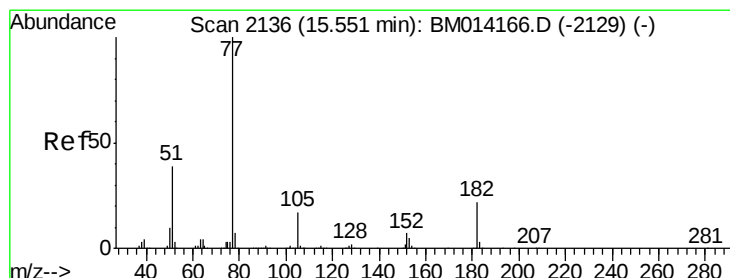
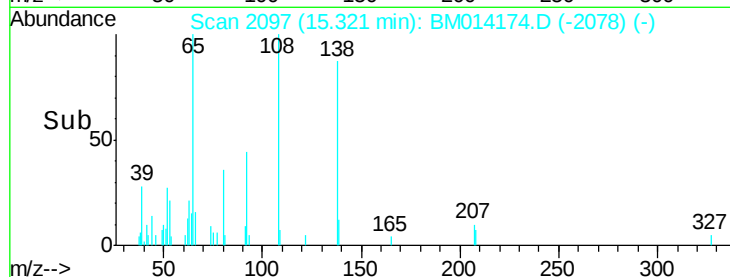
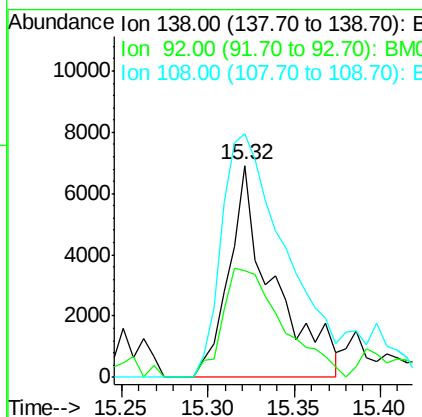
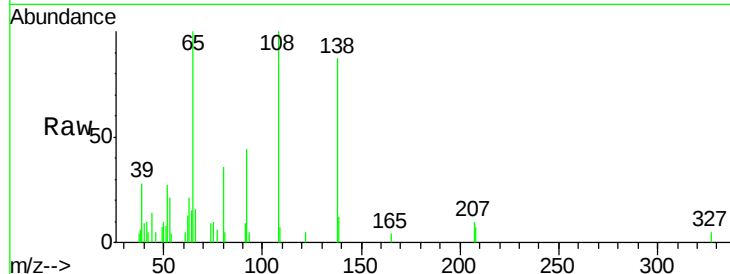
#61
4-Nitroaniline
Concen: 2.72 ng m
RT: 15.32 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	16.7	56.7
108	114.7	37.6	77.6#

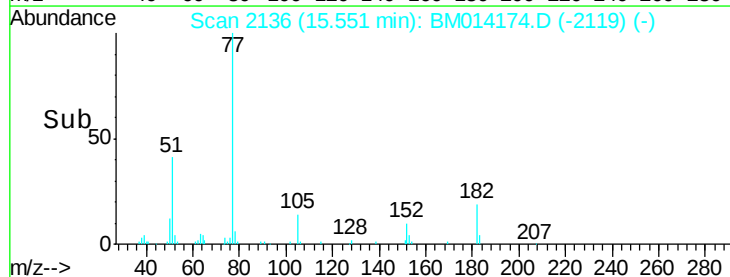
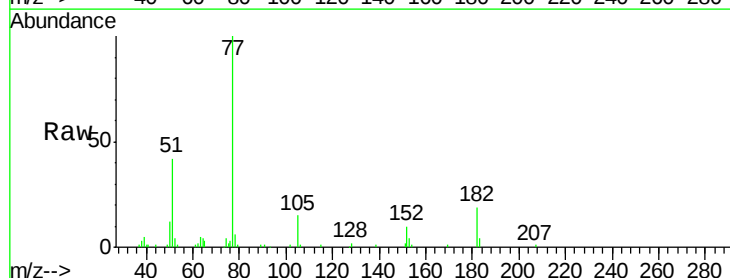
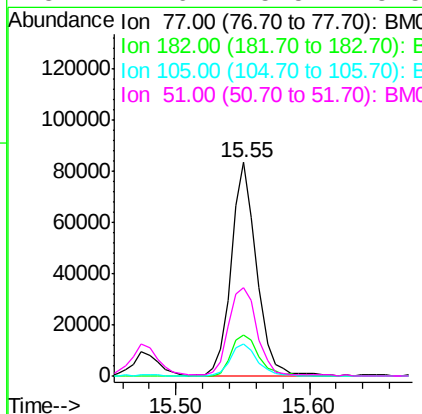
Manual Integrations
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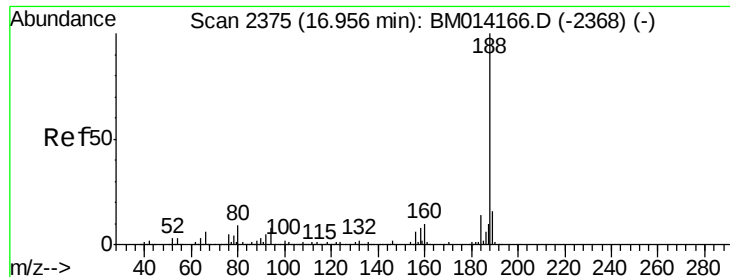
Sohil
2/8/2018 3:50:36 PM



#62
Azobenzene
Concen: 4.49 ng
RT: 15.55 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.1	6.5	46.5
105	14.8	3.8	43.8
51	41.6	5.5	45.5





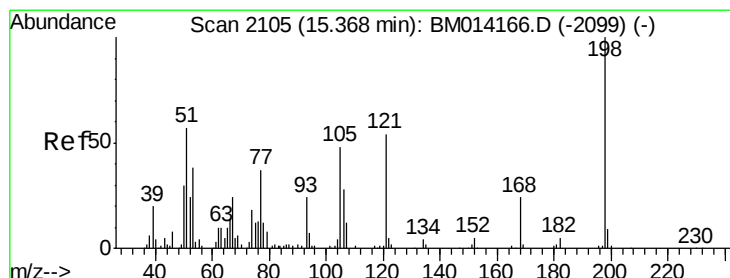
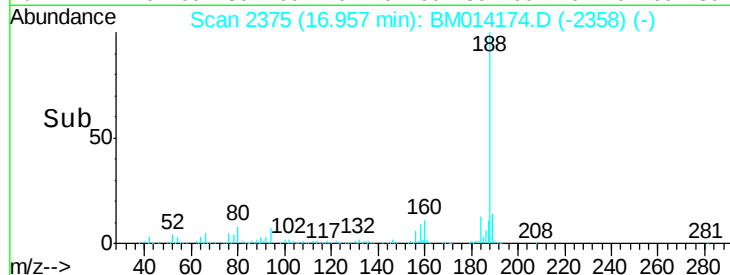
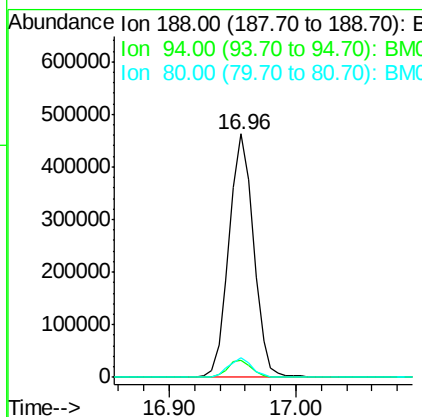
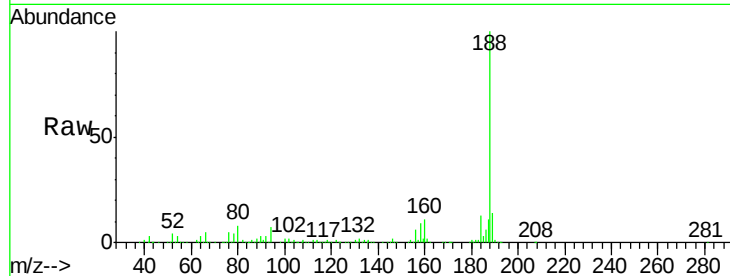
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.9	8.7	13.1#
80	8.1	9.3	13.9#

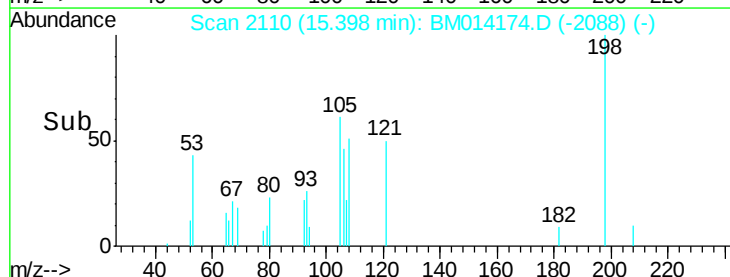
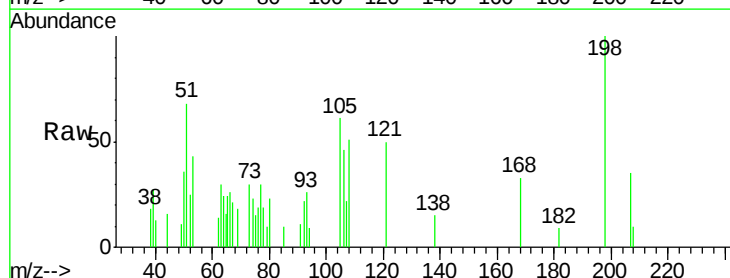
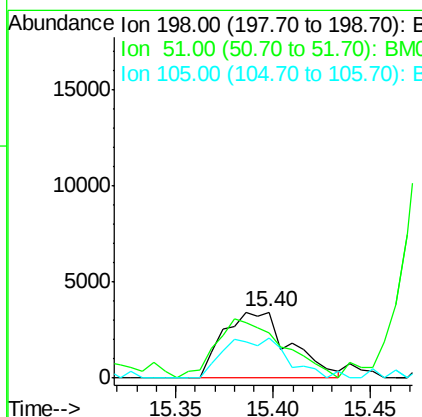
Manual Integrations
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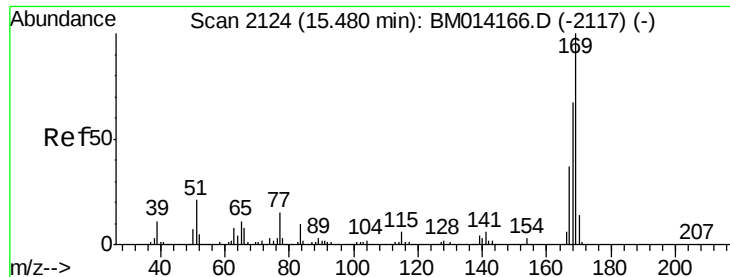
Sohil
2/8/2018 3:50:36 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 7.26 ng
RT: 15.40 min Scan# 2110
Delta R.T. 0.03 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	68.5	28.8	68.8
105	60.6	30.5	70.5





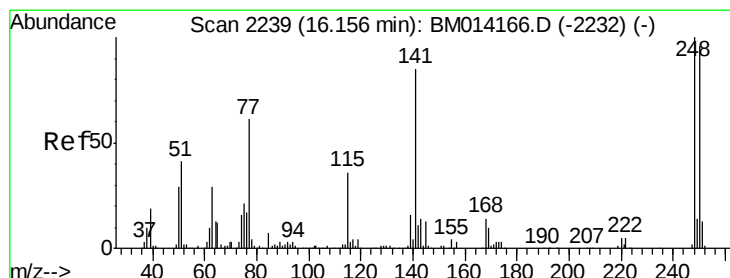
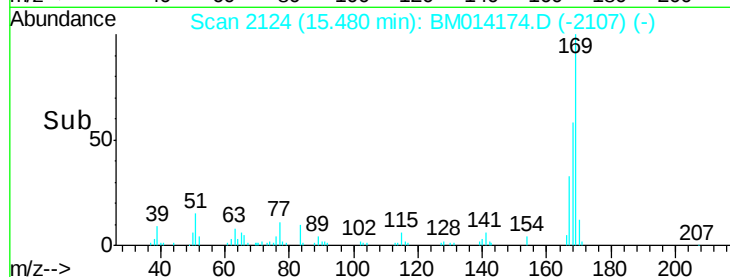
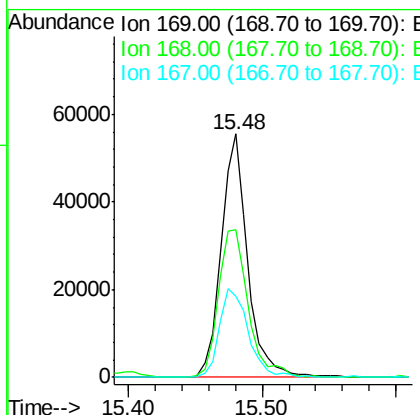
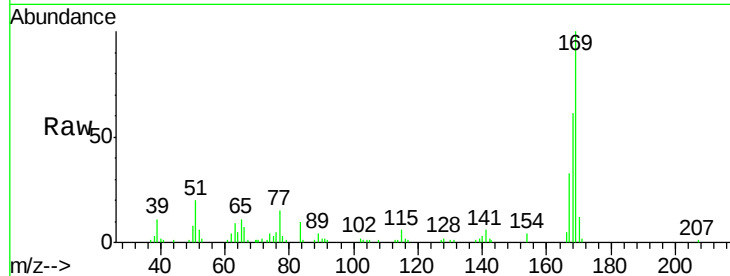
#65
 n-Nitrosodiphenylamine
 Concen: 3.94 ng
 RT: 15.48 min Scan# 2124
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	77330		
168	60.5	53.9	80.9	
167	33.1	28.9	43.3	

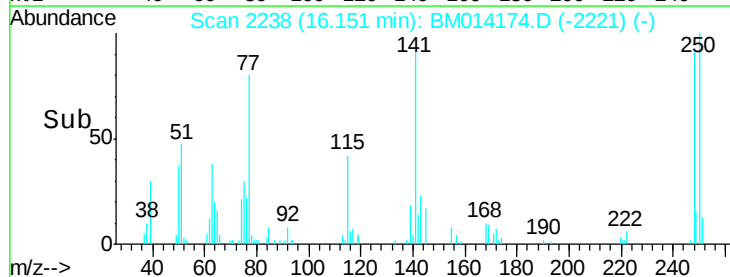
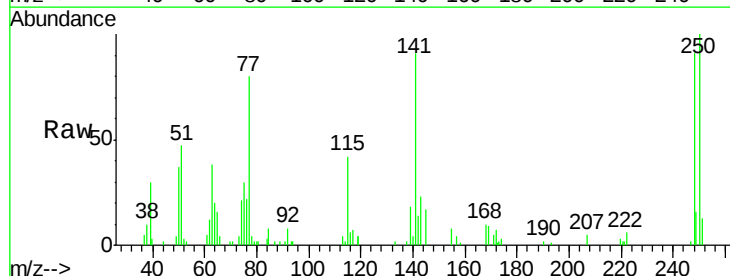
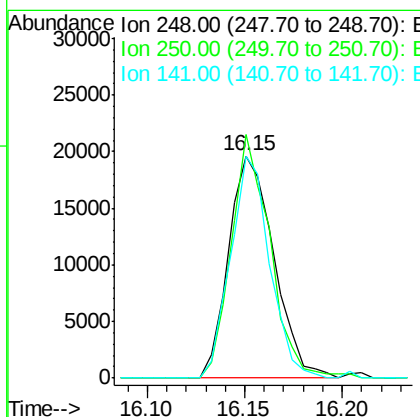
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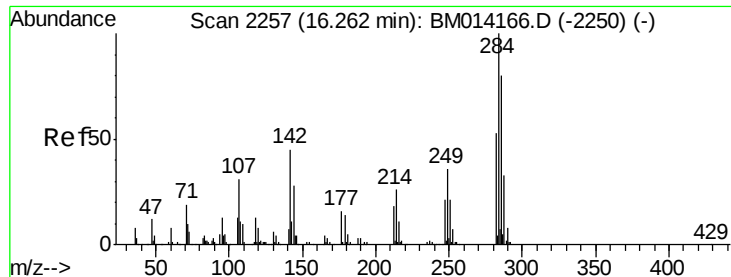
Sohil
 2/8/2018 3:50:36 PM



#66
 4-Bromophenyl-phenylether
 Concen: 4.33 ng
 RT: 16.15 min Scan# 2238
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	31565		
250	109.6	77.4	116.0	
141	99.7	45.2	67.8	





#67

Hexachlorobenzene

Concen: 4.31 ng

RT: 16.26 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

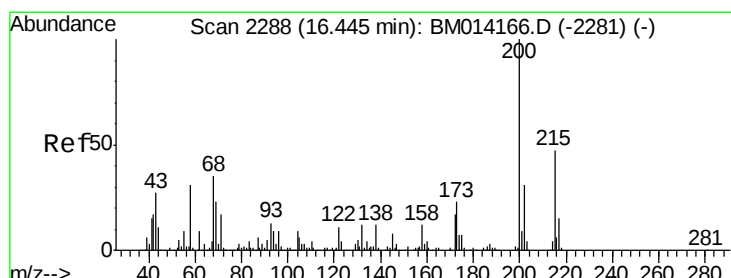
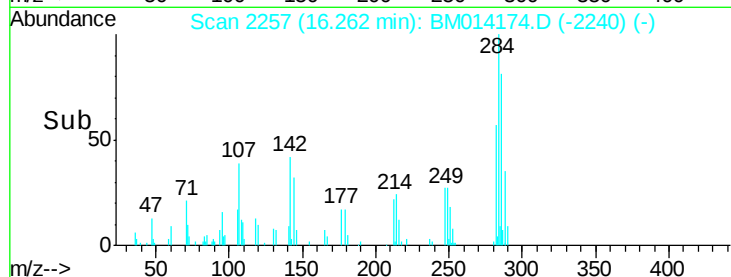
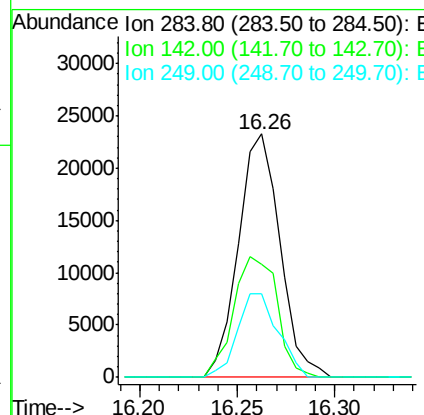
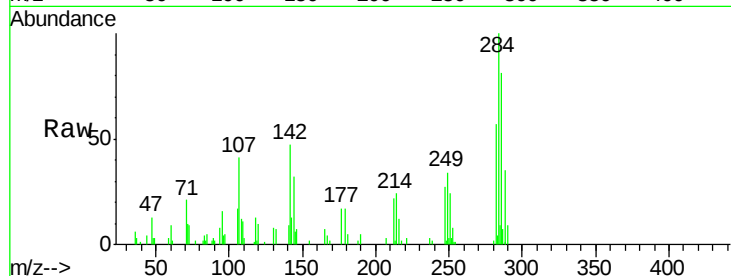
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	284	Resp:	34445
Ion Ratio		Lower	Upper
284	100		
142	46.5	20.4	30.6#
249	36.9	23.8	35.6#

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2/8/2018 3:50:36 PM



#68

Atrazine

Concen: 3.48 ng

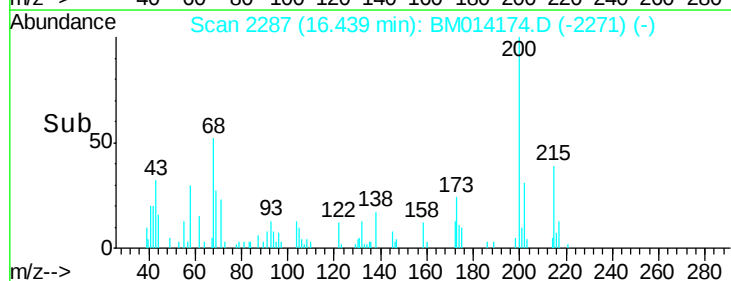
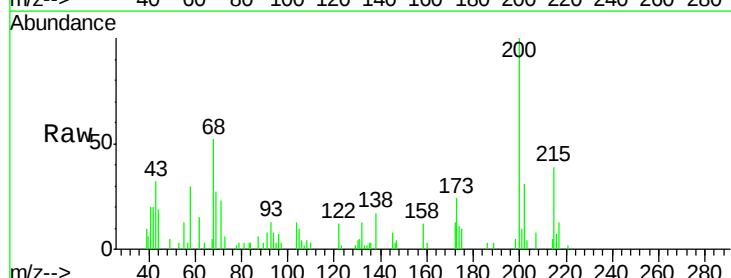
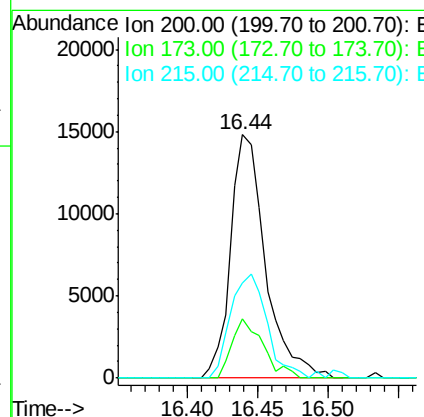
RT: 16.44 min Scan# 2287

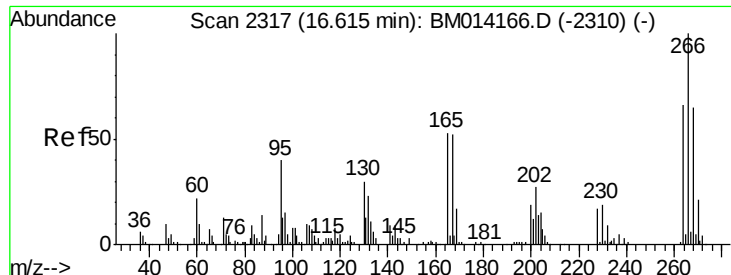
Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	200	Resp:	25598
Ion Ratio		Lower	Upper
200	100		
173	24.5	4.8	44.8
215	38.8	26.9	66.9





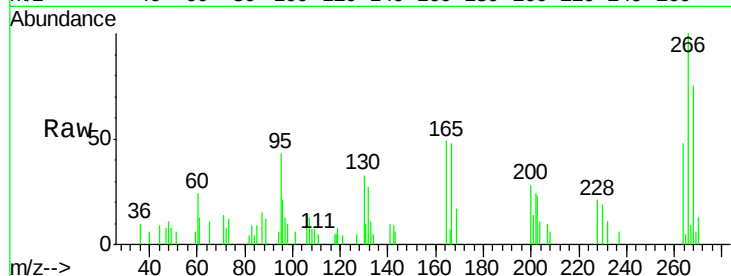
#69
 Pentachlorophenol
 Concen: 8.30 ng
 RT: 16.62 min Scan# 2318
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

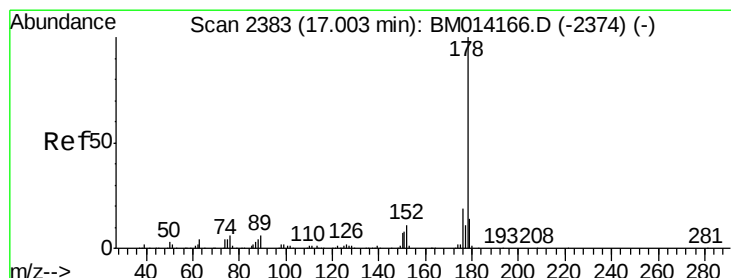
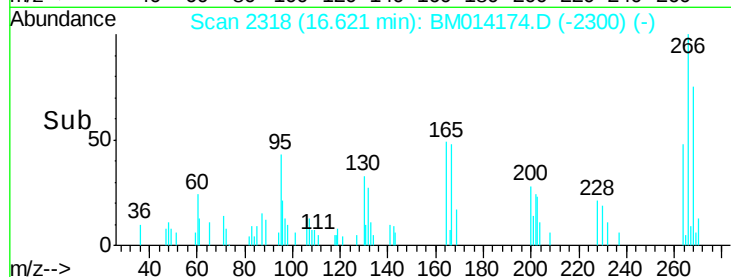
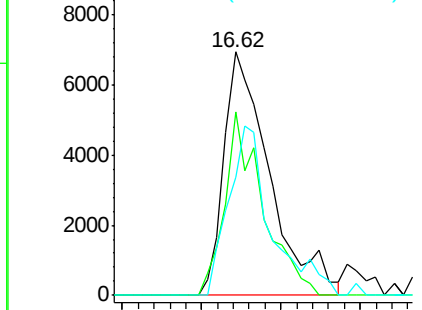
Tgt Ion	Ratio	Lower	Upper
266	100		
268	75.4	52.0	78.0
264	48.4	49.0	73.4

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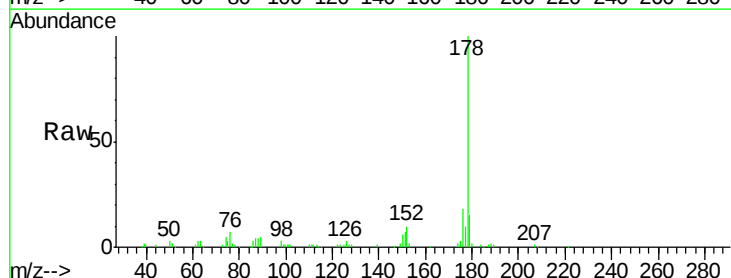


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

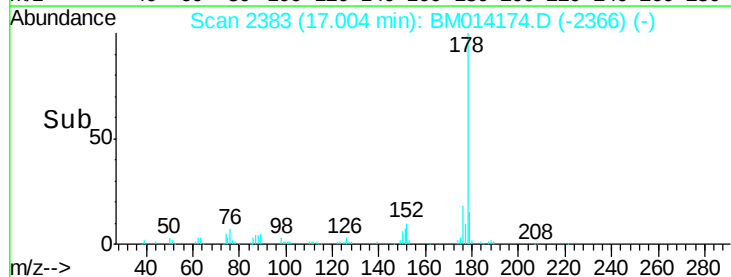
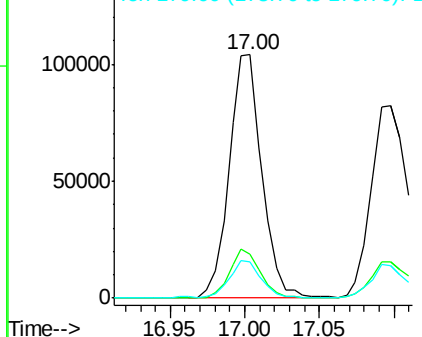


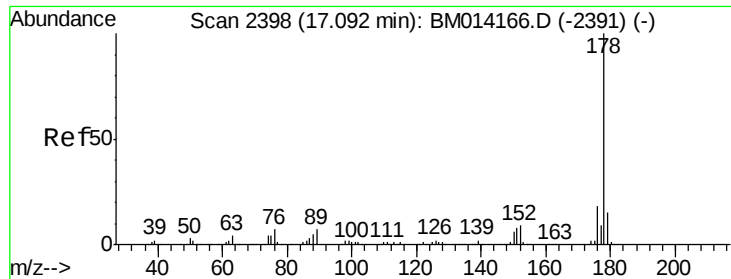
#70
 Phenanthrene
 Concen: 4.24 ng
 RT: 17.00 min Scan# 2383
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	14.9	12.1	18.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





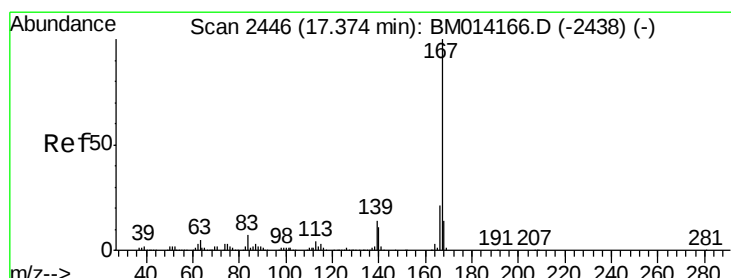
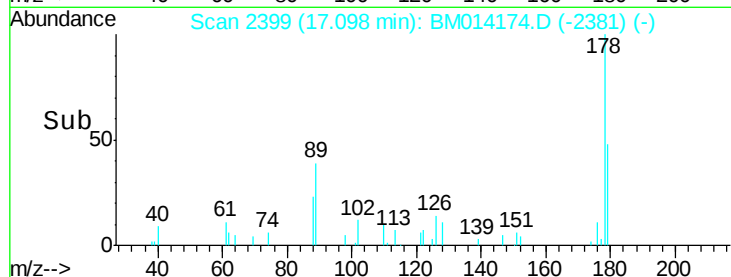
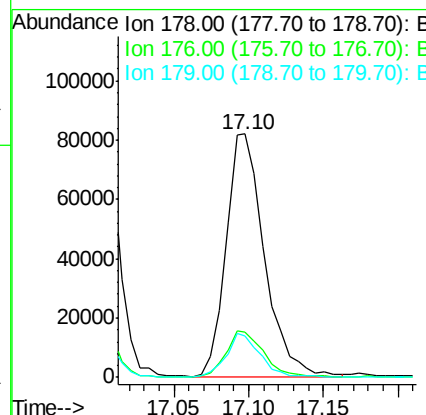
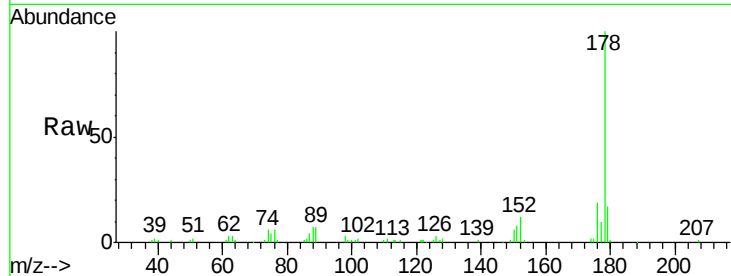
#71
 Anthracene
 Concen: 4.07 ng
 RT: 17.10 min Scan# 2399
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	17.1	12.6	19.0

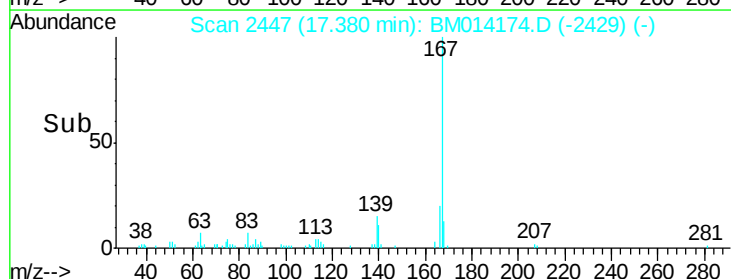
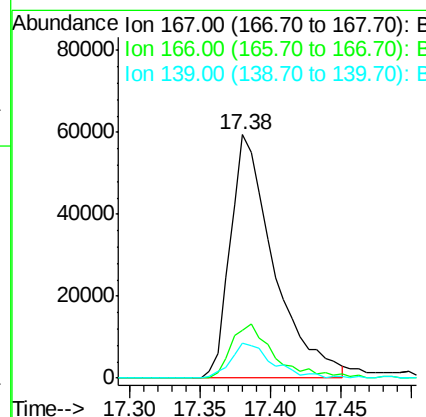
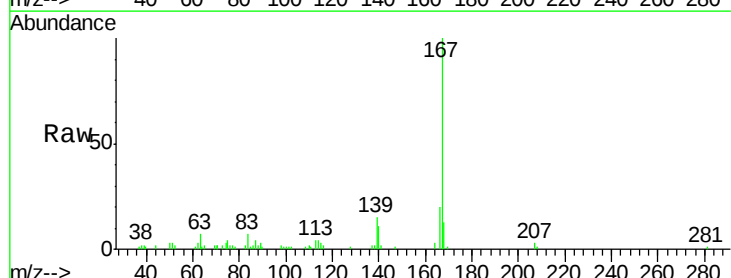
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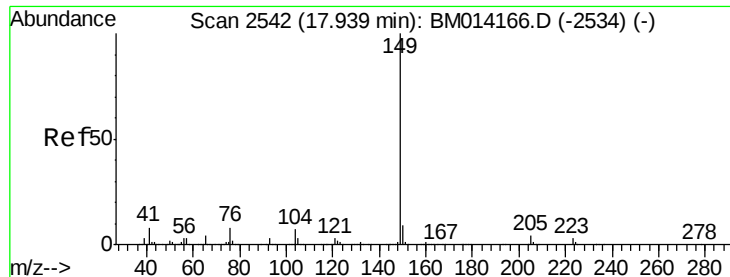
Sohil
 2/8/2018 3:50:36 PM



#72
 Carbazole
 Concen: 3.73 ng
 RT: 17.38 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.6	17.2	25.8
139	14.5	10.8	16.2





#73

Di-n-butylphthalate

Concen: 3.84 ng

RT: 17.93 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

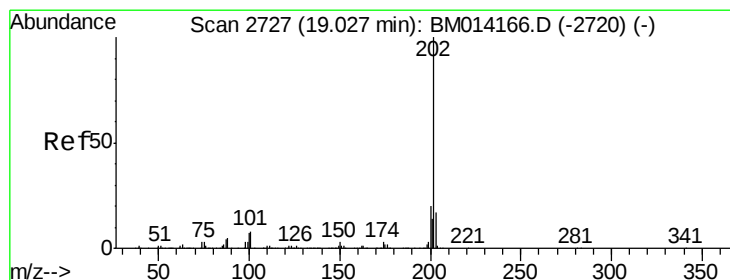
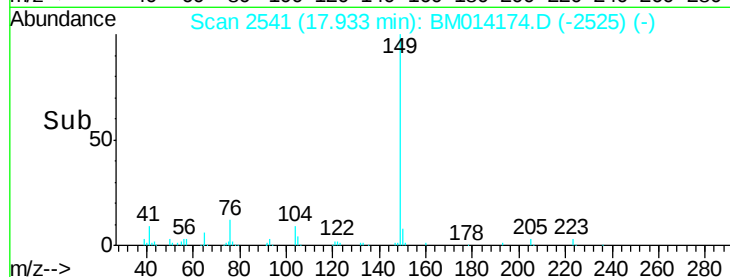
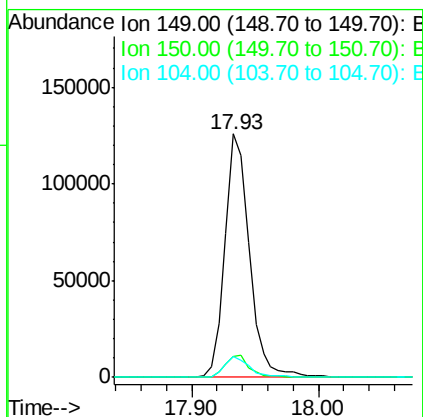
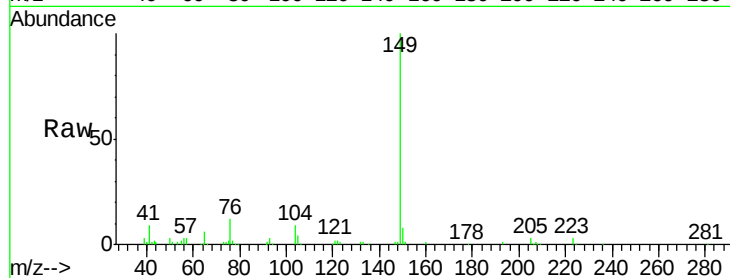
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	149	Resp:	168872
Ion Ratio	Lower	Upper	
149	100		
150	8.4	7.5	11.3
104	8.6	3.7	5.5#

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2/8/2018 3:50:36 PM



#74

Fluoranthene

Concen: 4.13 ng

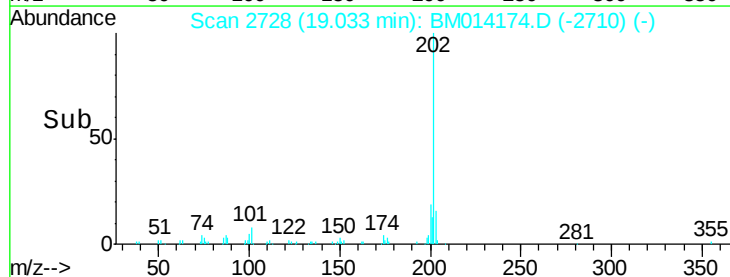
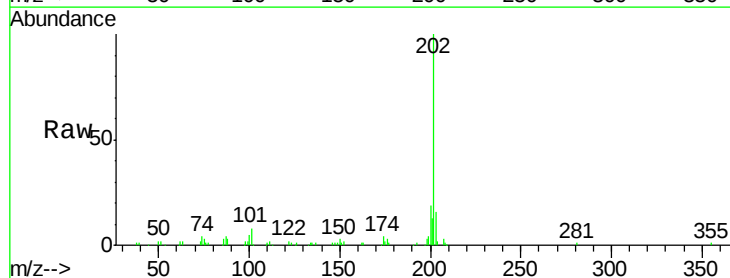
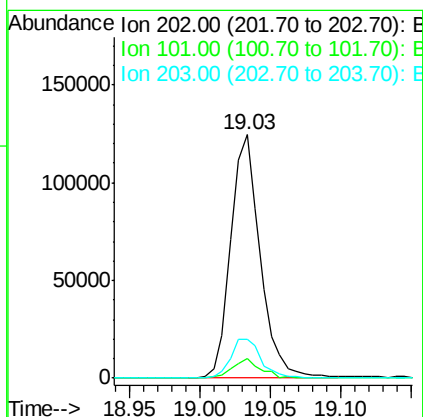
RT: 19.03 min Scan# 2728

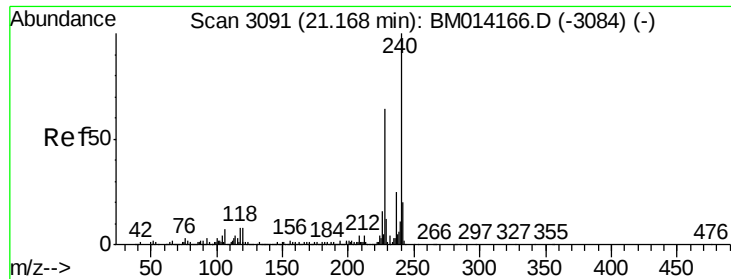
Delta R.T. 0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	202	Resp:	182239
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	28.7
203	16.0	0.0	37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Instrument :

BNA_M

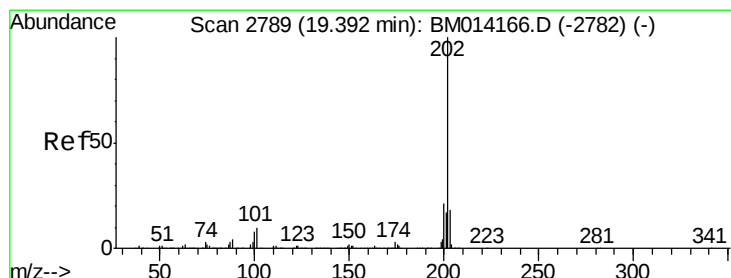
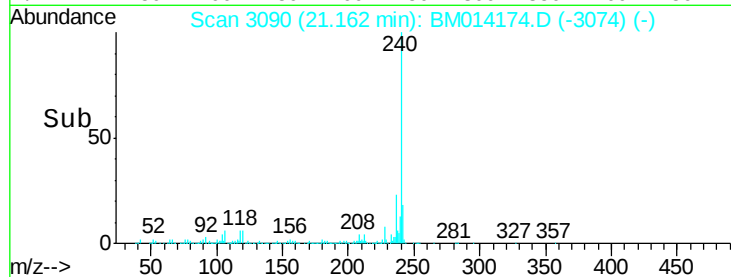
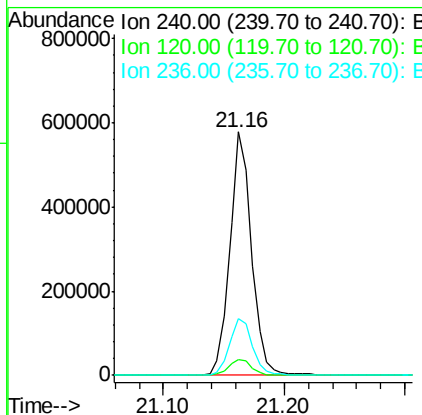
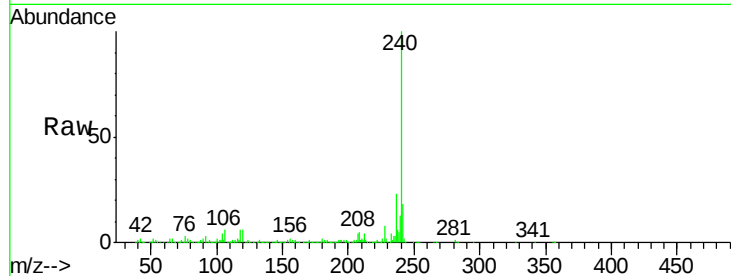
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	240	Resp:	720038
Ion Ratio	Lower	Upper	
240	100		
120	6.5	8.2	12.2#
236	23.5	20.0	30.0

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#77

Pyrene

Concen: 3.91 ng

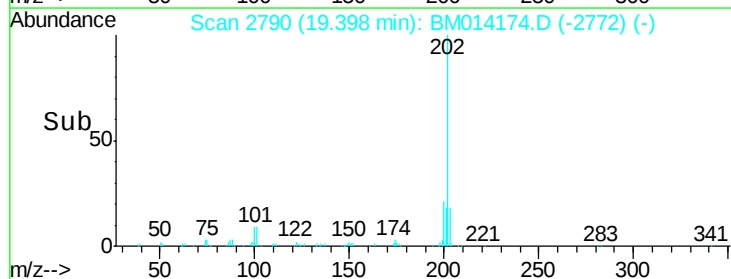
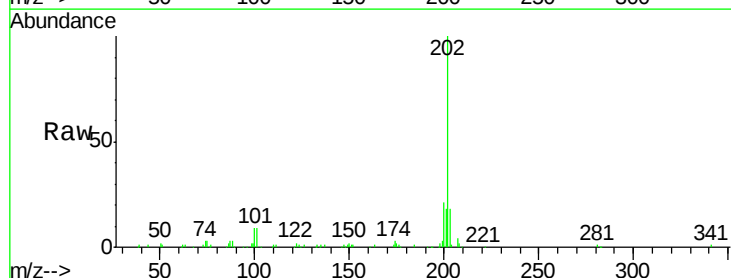
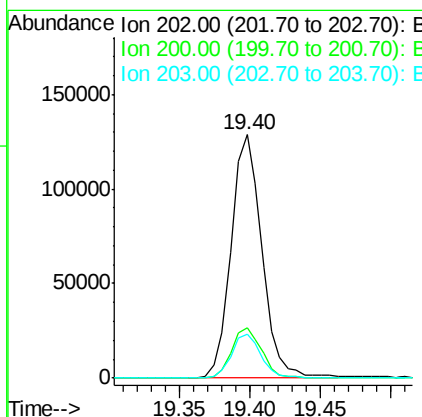
RT: 19.40 min Scan# 2790

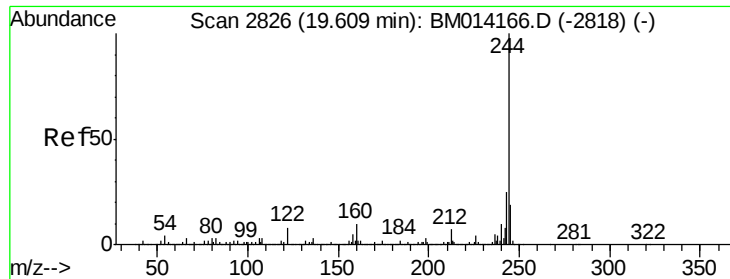
Delta R.T. 0.01 min

Lab File: BM014174.D

Acq: 07 Feb 2018 23:06

Tgt Ion:	202	Resp:	195750
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.1	14.1	21.1





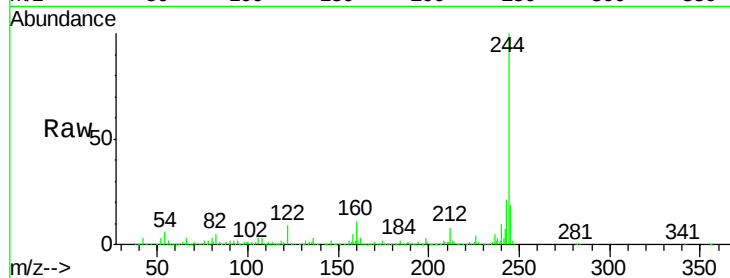
#78
 Terphenyl-d14
 Concen: 88.36 ng
 RT: 19.60 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

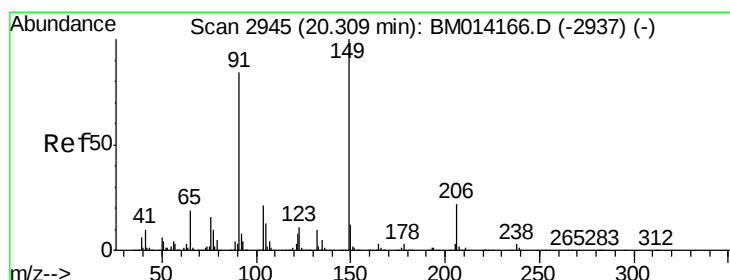
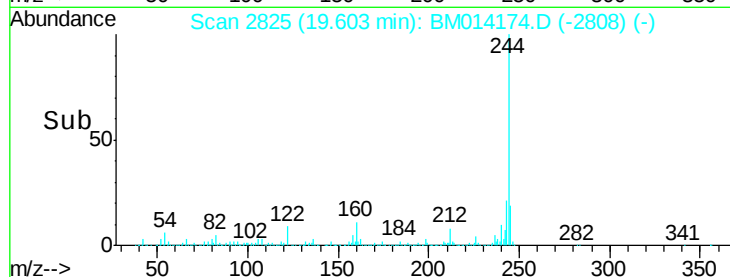
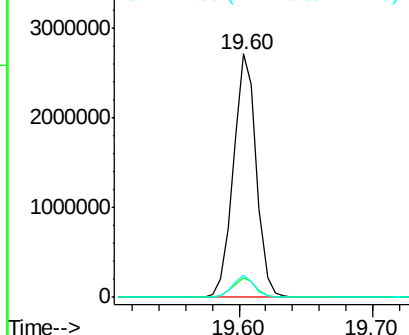
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	4.9	7.3#
122	9.3	6.2	9.4

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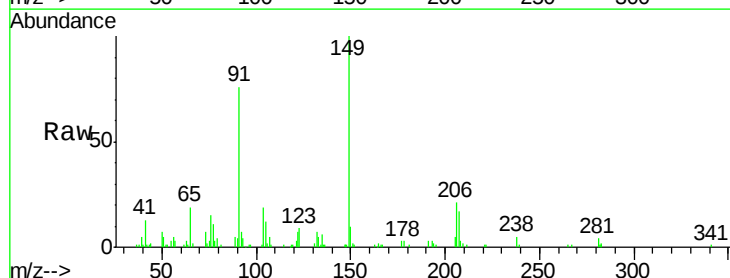


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

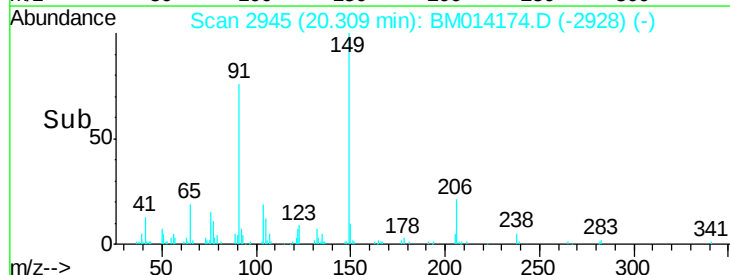
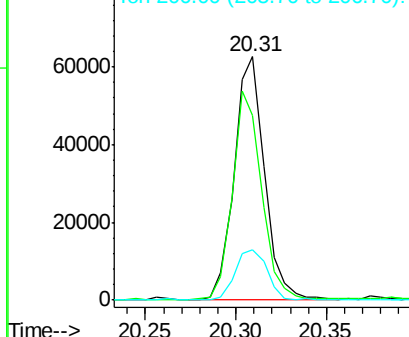


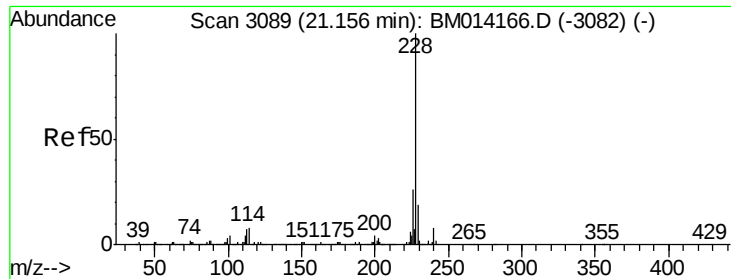
#79
 Butylbenzylphthalate
 Concen: 3.23 ng
 RT: 20.31 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: BM014174.D
 Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.1	50.1	75.1#
206	20.8	16.2	24.2



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





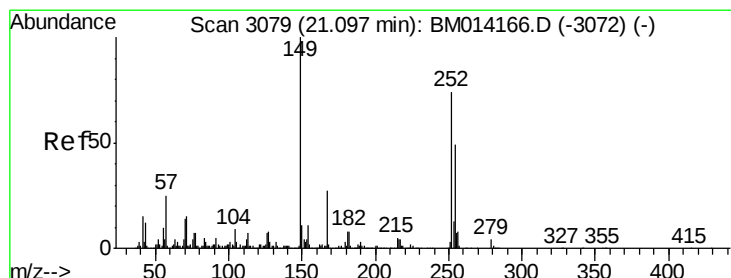
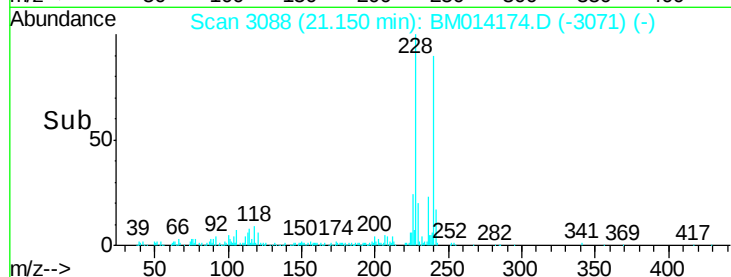
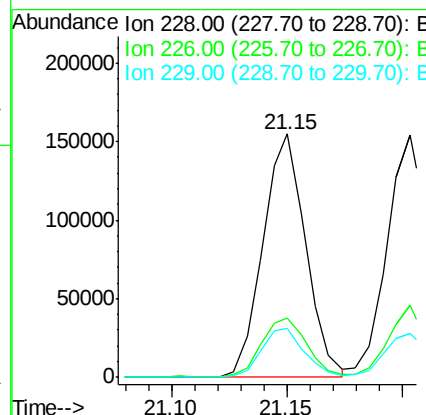
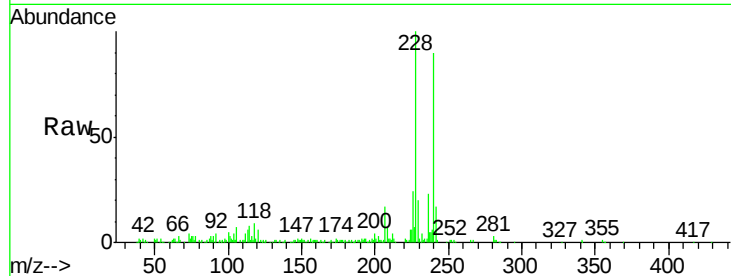
#80
Benzo(a)anthracene
Concen: 4.25 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	198660		
226	24.3	21.7	32.5	
229	20.0	16.0	24.0	

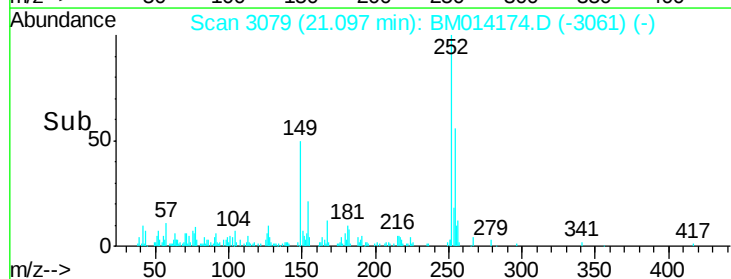
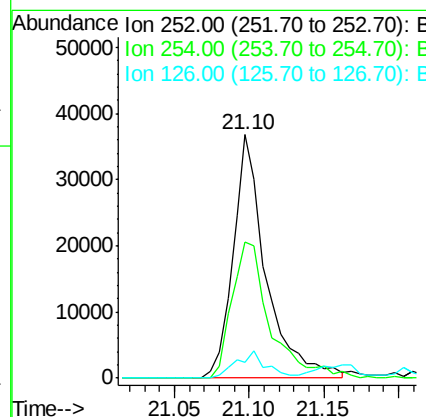
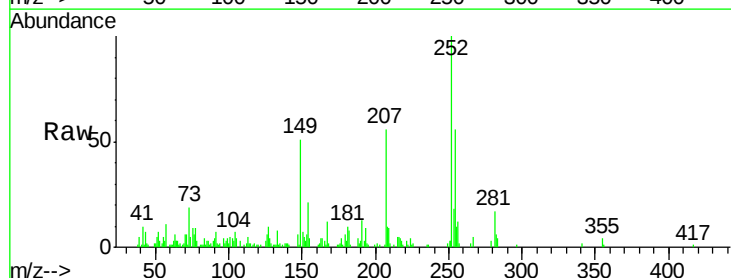
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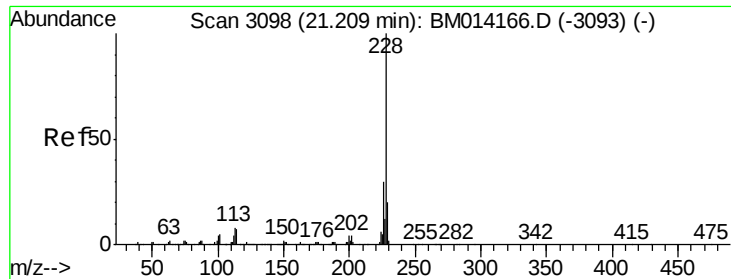
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#81
3,3'-Dichlorobenzidine
Concen: 3.24 ng
RT: 21.10 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	56647		
254	56.0	51.9	77.9	
126	6.5	9.8	14.8#	





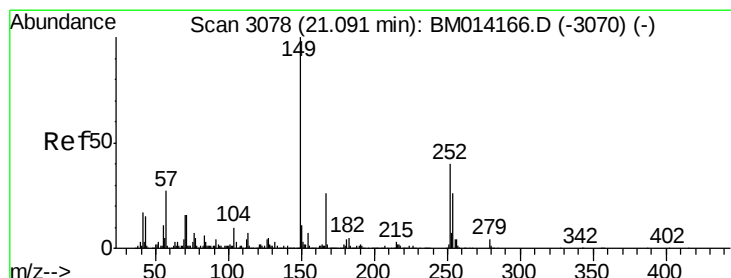
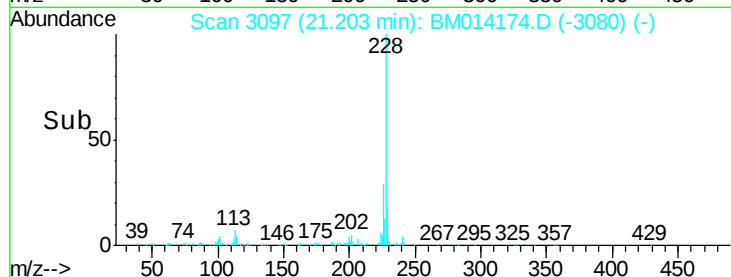
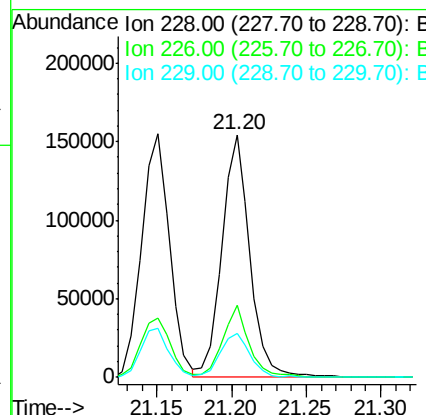
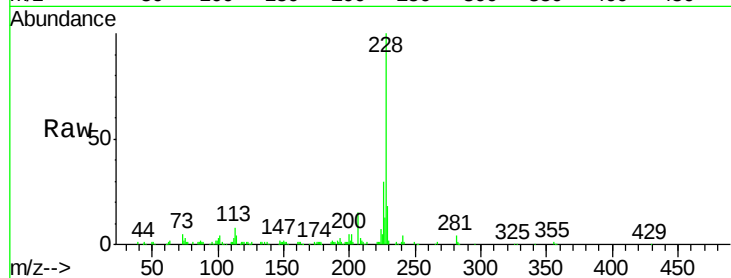
#82
Chrysene
Concen: 4.43 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	201184		
226	29.9	24.1	36.1	
229	18.2	15.5	23.3	

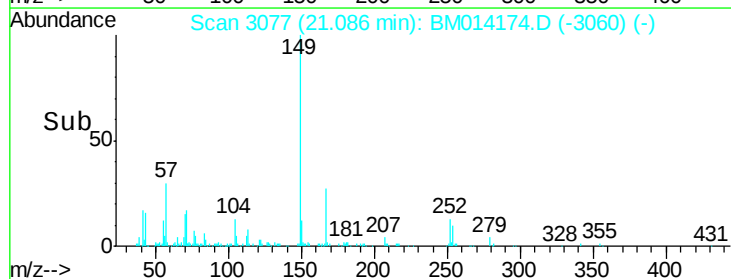
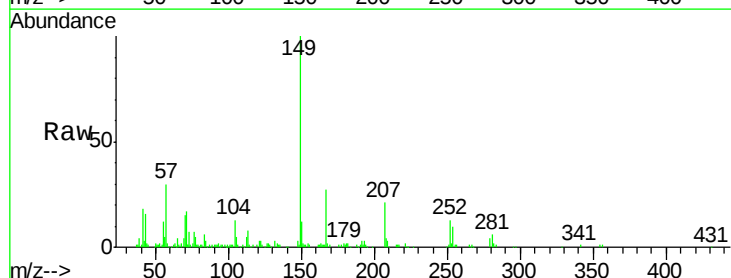
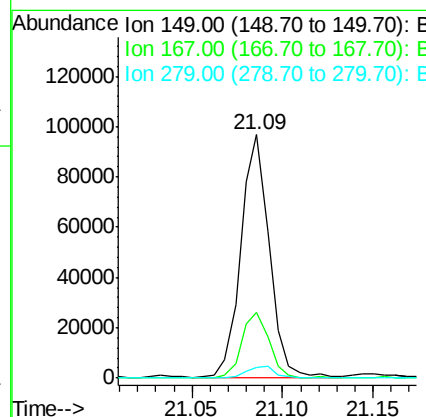
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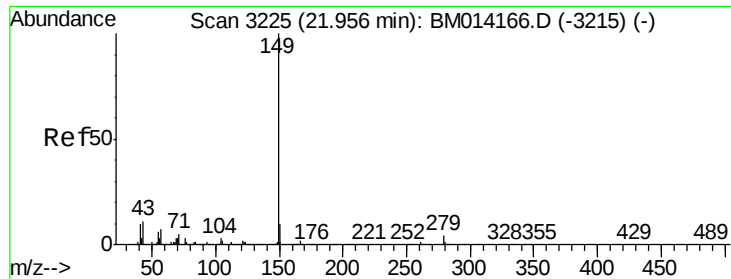
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.19 ng
RT: 21.09 min Scan# 3077
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	104722		
167	27.0	22.4	33.6	
279	4.2	3.4	5.0	





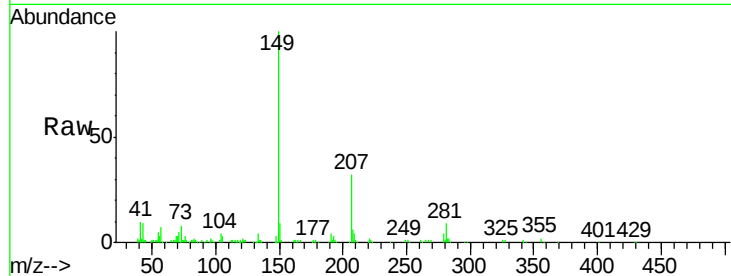
#84
Di-n-octyl phthalate
Concen: 3.59 ng
RT: 21.95 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

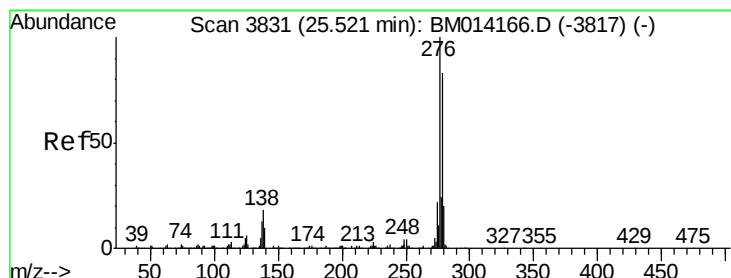
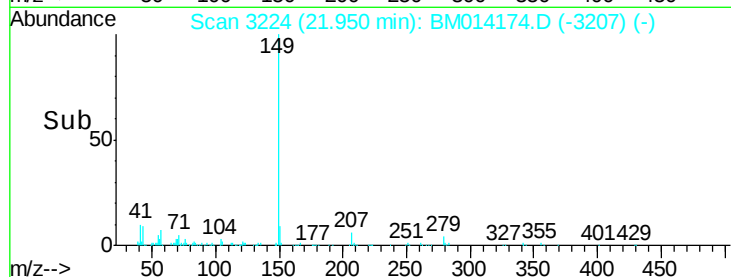
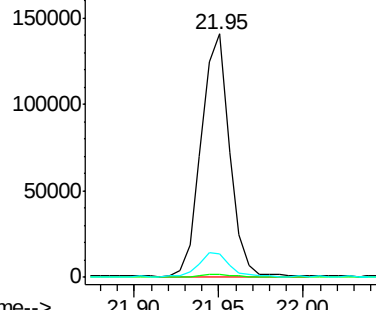
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.6	1.2	1.8
43	11.6	7.3	10.9

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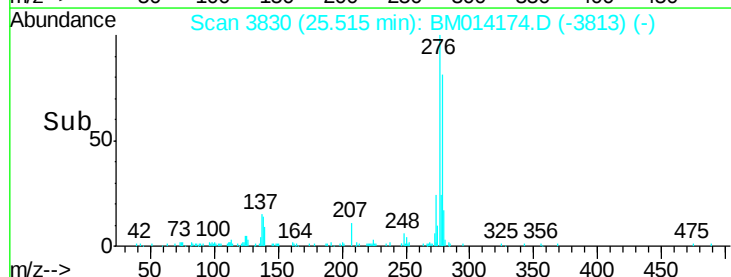
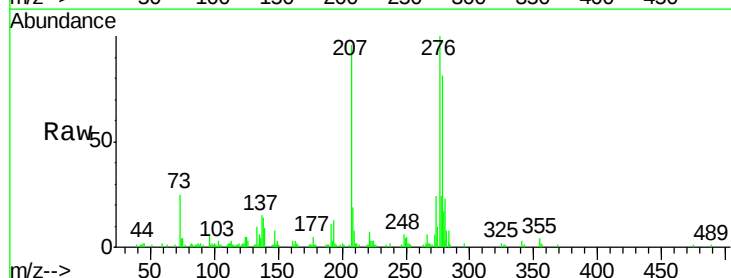
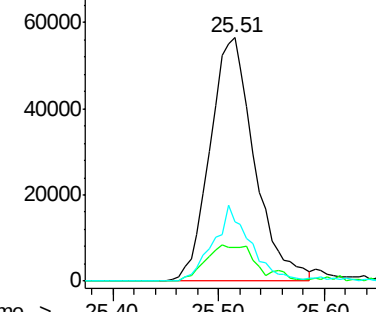
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

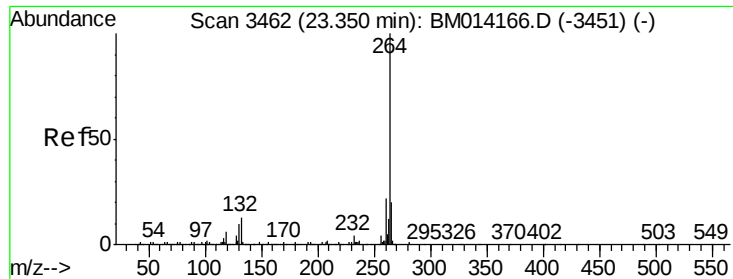


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.62 ng
RT: 25.51 min Scan# 3830
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.4	12.0	18.0
277	25.9	20.0	30.0

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





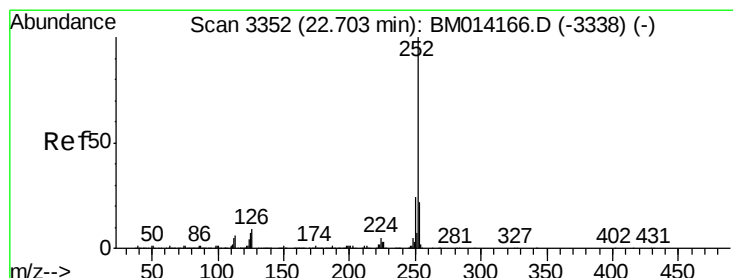
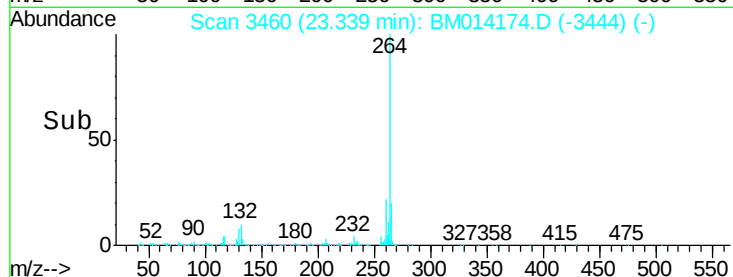
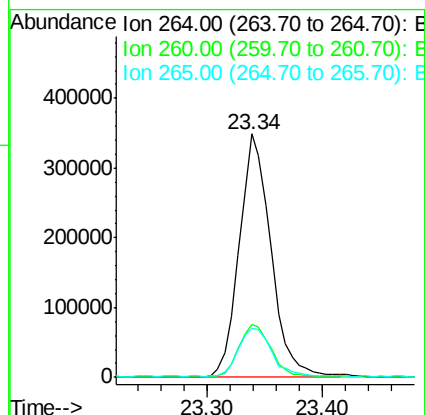
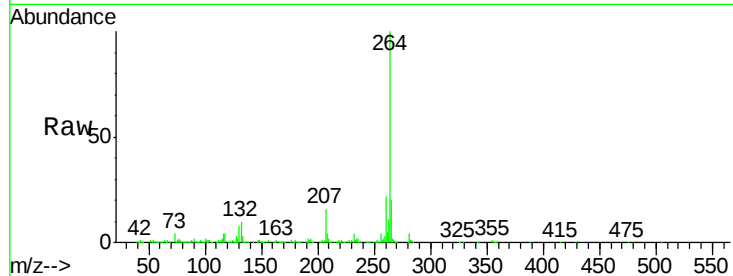
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.34 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	22.0	18.6	27.8
265	20.4	17.3	25.9

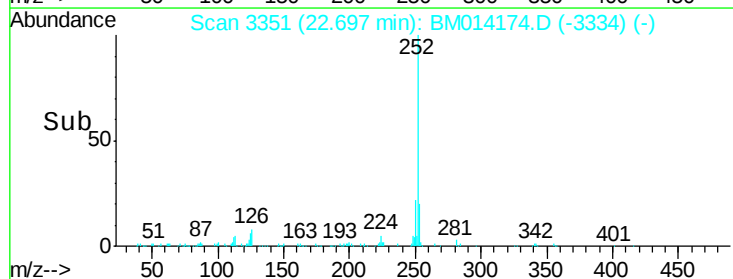
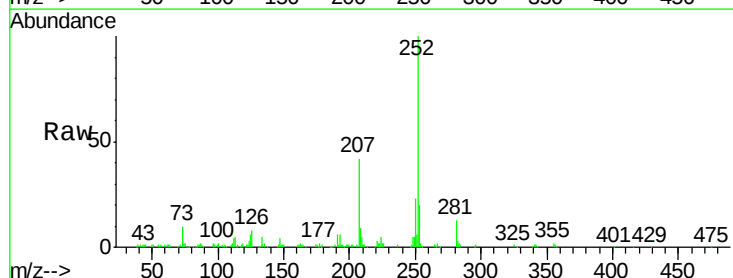
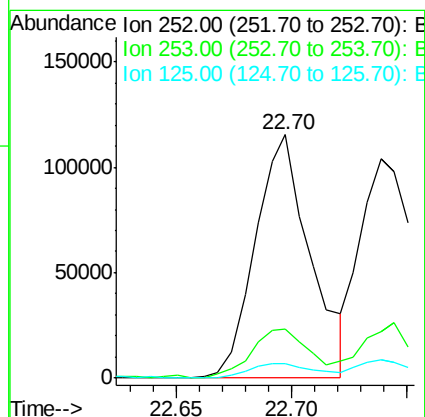
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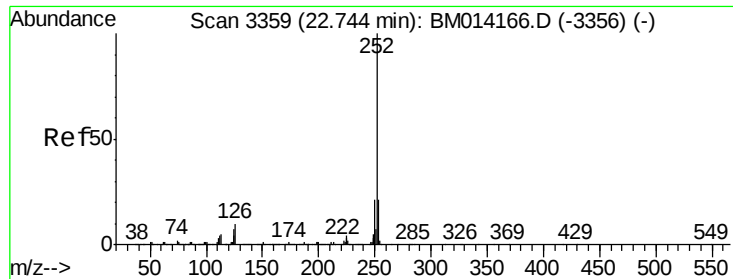
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#87
Benzo(b)fluoranthene
Concen: 4.10 ng
RT: 22.70 min Scan# 3351
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.4	18.0	27.0
125	6.1	9.9	14.9





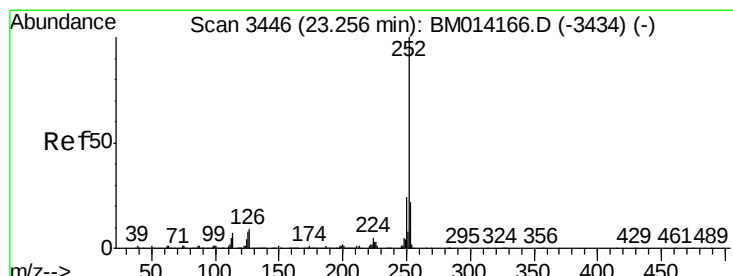
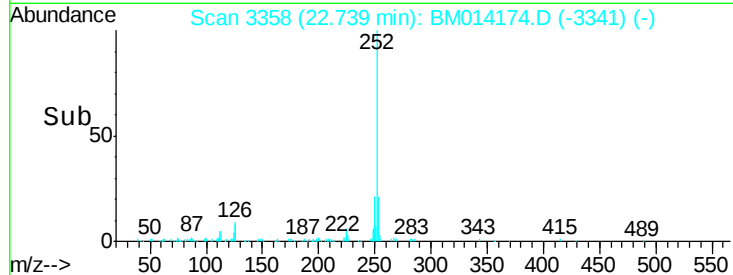
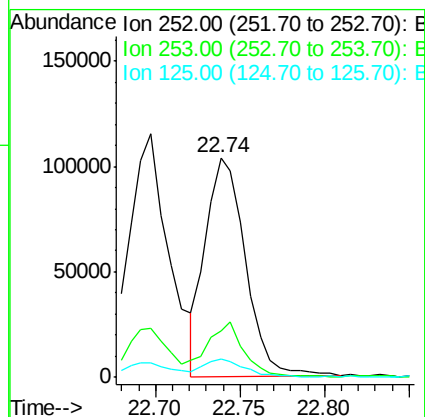
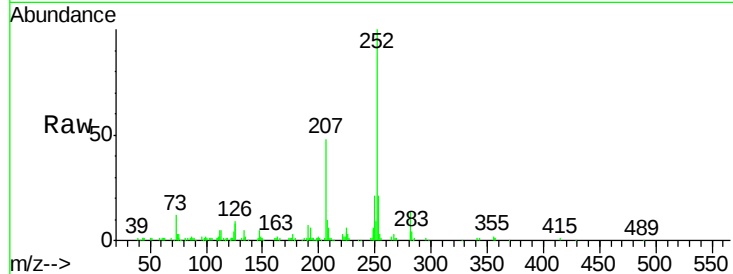
#88
Benzo(k)fluoranthene
Concen: 3.84 ng
RT: 22.74 min Scan# 3358
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	8.3	8.1	12.1

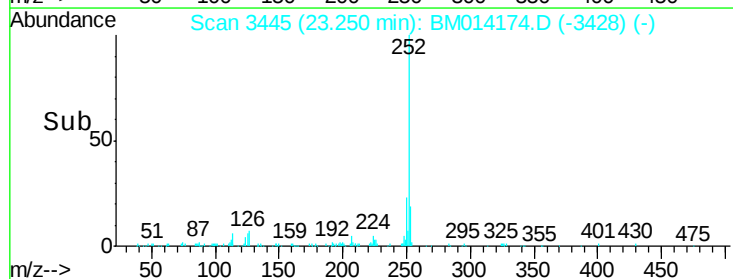
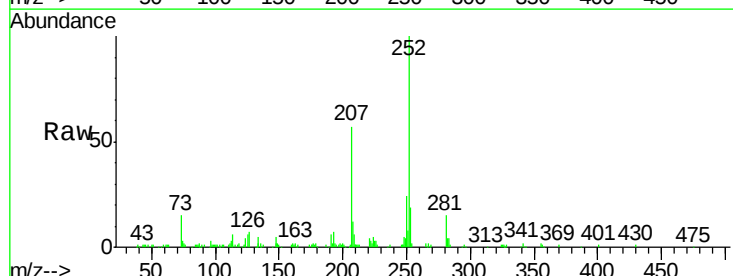
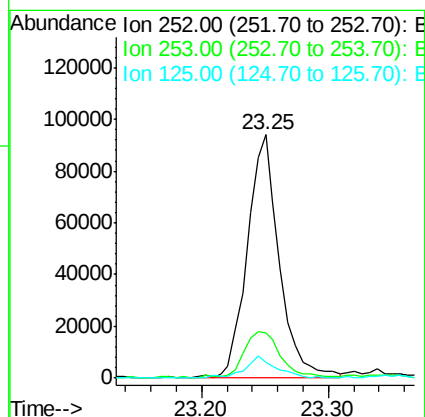
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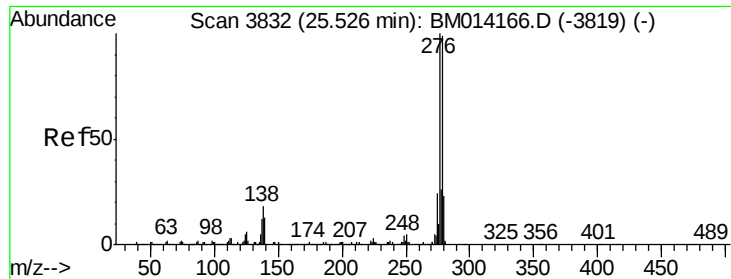
Sohil
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#89
Benzo(a)pyrene
Concen: 4.05 ng
RT: 23.25 min Scan# 3445
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.6	26.4
125	6.3	7.4	11.2#





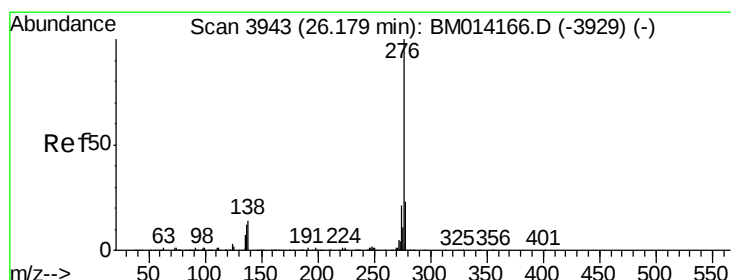
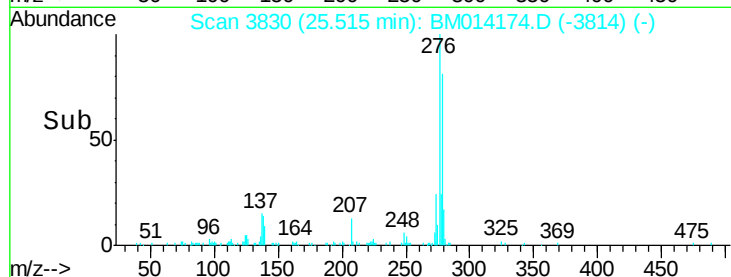
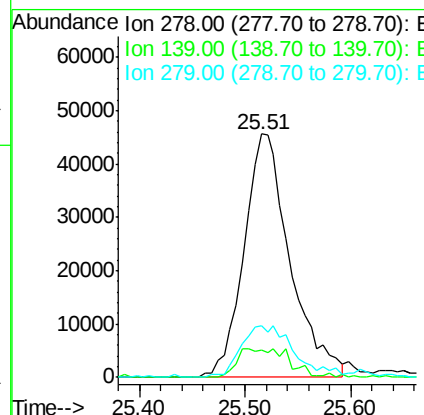
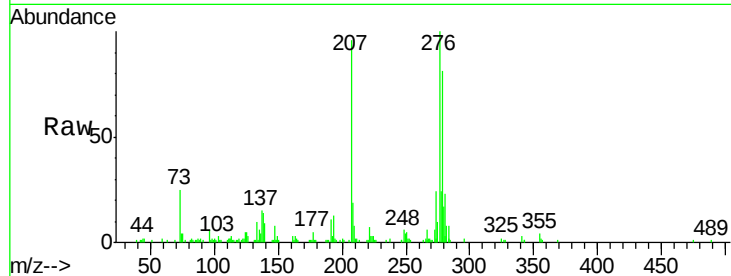
#90
Dibenzo(a,h)anthracene
Concen: 4.13 ng
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.2	13.4	20.0#
279	21.3	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.15 ng
RT: 26.17 min Scan# 3942
Delta R.T. -0.00 min
Lab File: BM014174.D
Acq: 07 Feb 2018 23:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.5	27.7
138	15.7	19.0	28.6#

