

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014175.D
 Acq On : 07 Feb 2018 23:42
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 8 PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 2/8/2018 3:50:38 PM

Quant Time: Feb 08 08:09:03 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	7.54	152	74260	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	334220	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	240293	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	610100	20.00	ng	0.00
75) Chrysene-d12	21.16	240	738576	20.00	ng	0.00
86) Perylene-d12	23.34	264	693771	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	588300	138.08	ng	0.00
7) Phenol-d6	6.73	99	813413	134.80	ng	0.00
23) Nitrobenzene-d5	8.70	82	799988	106.92	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	482393	141.48	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	1887746	98.07	ng	0.00
78) Terphenyl-d14	19.60	244	3596526	95.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	13188	7.53	ng	# 100
3) Pyridine	3.54	79	34057	7.02	ng	# 93
4) n-Nitrosodimethylamine	3.46	42	23742	7.69	ng	# 34
6) Aniline	6.89	93	58140	7.56	ng	96
8) 2-Chlorophenol	7.11	128	38677	7.99	ng	96
9) Benzaldehyde	6.71	77	27533	6.34	ng	# 77
10) Phenol	6.76	94	44592	7.49	ng	94
11) bis(2-Chloroethyl)ether	6.99	93	34571	7.34	ng	96
12) 1,3-Dichlorobenzene	7.43	146	42602	7.04	ng	# 83
13) 1,4-Dichlorobenzene	7.58	146	46498	7.65	ng	95
14) 1,2-Dichlorobenzene	7.89	146	46088	7.53	ng	95
15) Benzyl Alcohol	7.80	79	36068	6.45	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.07	45	35325	7.38	ng	70
17) 2-Methylphenol	8.00	107	31892	7.00	ng	# 82
18) Hexachloroethane	8.60	117	19536	7.43	ng	93
19) n-Nitroso-di-n-propylamine	8.35	70	36517	7.03	ng	# 97
20) 3+4-Methylphenols	8.33	107	42681	6.46	ng	87
22) Acetophenone	8.37	105	70955	7.38	ng	# 84
24) Nitrobenzene	8.75	77	61194	7.94	ng	91
25) Isophorone	9.26	82	92275	7.44	ng	# 89
26) 2-Nitrophenol	9.46	139	20634	7.10	ng	# 43
27) 2,4-Dimethylphenol	9.52	122	31130	7.03	ng	89
28) bis(2-Chloroethoxy)methane	9.75	93	46599	7.33	ng	96
29) 2,4-Dichlorophenol	10.00	162	33119	6.69	ng	88
30) 1,2,4-Trichlorobenzene	10.18	180	48433	7.42	ng	91
31) Naphthalene	10.36	128	131331	7.18	ng	97
32) Benzoic acid	9.63	122	16479m	9.95	ng	
33) 4-Chloroaniline	10.51	127	48745	6.41	ng	# 86
34) Hexachlorobutadiene	10.63	225	35126	7.85	ng	92
35) Caprolactam	11.28	113	10810	6.11	ng	# 82
36) 4-Chloro-3-methylphenol	11.64	107	41614	6.79	ng	# 75
37) 2-Methylnaphthalene	11.99	142	95433	6.92	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	12.37	216	62959	7.48	ng	# 100
40) Hexachlorocyclopentadiene	12.33	237	20834	10.07	ng	95

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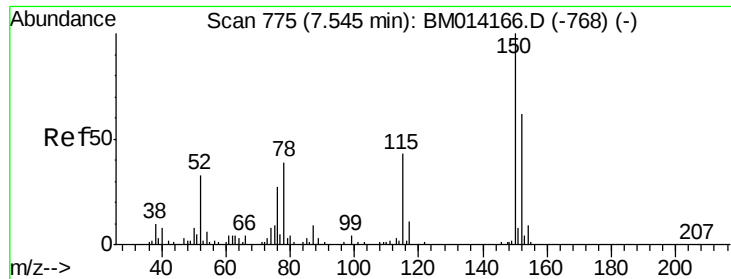
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.63	196	30898	6.25	ng	96
43) 2,4,5-Trichlorophenol	12.71	196	32674	5.98	ng #	83
45) 1,1'-Biphenyl	13.02	154	149907	7.20	ng	99
46) 2-Chloronaphthalene	13.06	162	110463	6.99	ng #	92
47) 2-Nitroaniline	13.30	65	38358	6.60	ng #	64
48) Acenaphthylene	13.92	152	178666	6.90	ng	98
49) Dimethylphthalate	13.67	163	154438	7.18	ng	96
50) 2,6-Dinitrotoluene	13.80	165	30626	6.94	ng #	40
51) Acenaphthene	14.26	154	114631	7.18	ng	94
52) 3-Nitroaniline	14.14	138	26432	5.79	ng #	58
53) 2,4-Dinitrophenol	14.38	184	5833	9.77	ng #	59
54) Dibenzofuran	14.60	168	172288	6.90	ng #	86
55) 4-Nitrophenol	14.49	139	12900	9.10	ng #	65
56) 2,4-Dinitrotoluene	14.61	165	41864	6.15	ng #	67
57) Fluorene	15.26	166	154502	7.04	ng	94
58) 2,3,4,6-Tetrachlorophenol	14.84	232	35868	6.67	ng #	100
59) Diethylphthalate	15.04	149	170186	7.13	ng	95
60) 4-Chlorophenyl-phenylether	15.26	204	81052	7.10	ng	93
61) 4-Nitroaniline	15.32	138	25022	5.48	ng #	29
62) Azobenzene	15.55	77	176844	7.13	ng #	80
64) 4,6-Dinitro-2-methylphenol	15.37	198	20858	9.98	ng	88
65) n-Nitrosodiphenylamine	15.47	169	129702	6.73	ng	97
66) 4-Bromophenyl-phenylether	16.15	248	50333	7.04	ng #	83
67) Hexachlorobenzene	16.26	284	57065	7.27	ng #	83
68) Atrazine	16.44	200	41923	5.80	ng	95
69) Pentachlorophenol	16.63	266	25632	10.35	ng	96
70) Phenanthrene	17.00	178	265749	7.22	ng	98
71) Anthracene	17.09	178	248887	6.94	ng	99
72) Carbazole	17.38	167	224167	6.65	ng	98
73) Di-n-butylphthalate	17.93	149	294219	6.82	ng #	96
74) Fluoranthene	19.03	202	318312	7.35	ng	100
76) Benzidine	19.23	184	61832	2.81	ng #	93
77) Pyrene	19.39	202	337167	6.57	ng	98
79) Butylbenzylphthalate	20.31	149	139195	6.02	ng #	86
80) Benzo(a)anthracene	21.15	228	348641	7.26	ng	99
81) 3,3'-Dichlorobenzidine	21.09	252	110716	6.17	ng	94
82) Chrysene	21.20	228	336981	7.24	ng	99
83) Bis(2-ethylhexyl)phthalate	21.09	149	203815	6.05	ng	96
84) Di-n-octyl phthalate	21.94	149	312541	6.70	ng	96
85) Indeno(1,2,3-cd)pyrene	25.50	276	306719	8.38	ng	99
87) Benzo(b)fluoranthene	22.69	252	323482	6.72	ng #	95
88) Benzo(k)fluoranthene	22.74	252	332569	7.27	ng #	93
89) Benzo(a)pyrene	23.25	252	302330	7.13	ng #	98
90) Dibenzo(a,h)anthracene	25.51	278	260394	7.51	ng #	92
91) Benzo(g,h,i)perylene	26.18	276	240161	7.41	ng #	87

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



#1

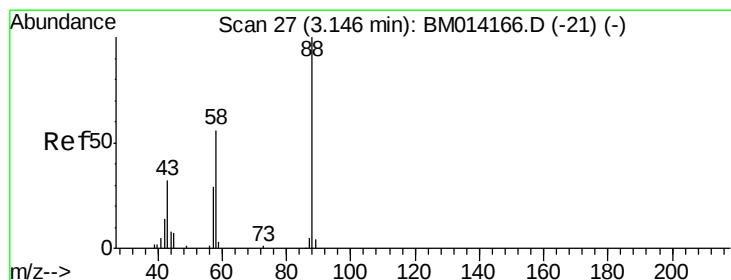
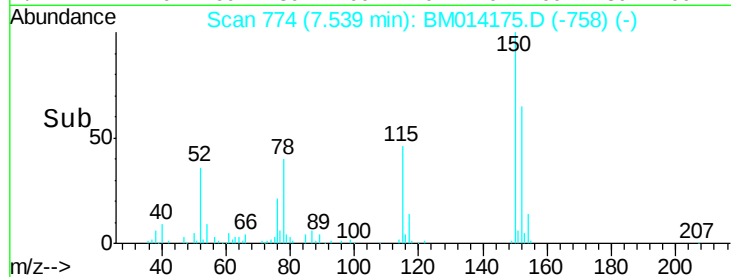
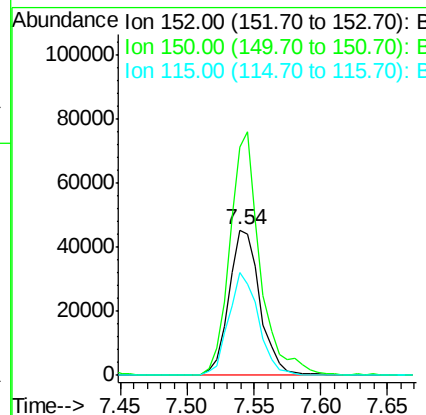
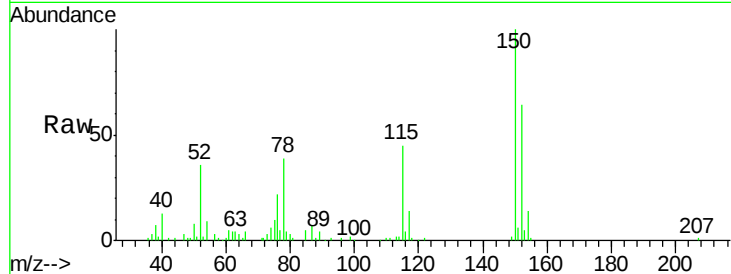
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	119.5	179.3
115	70.4	43.0	64.4

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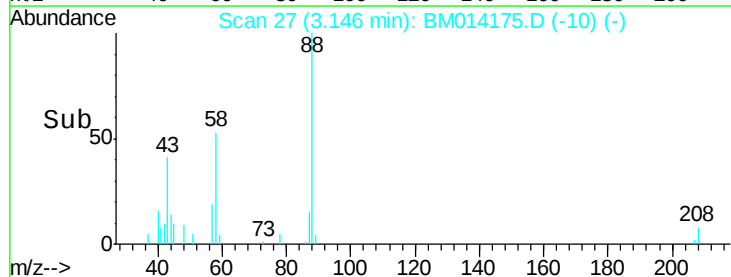
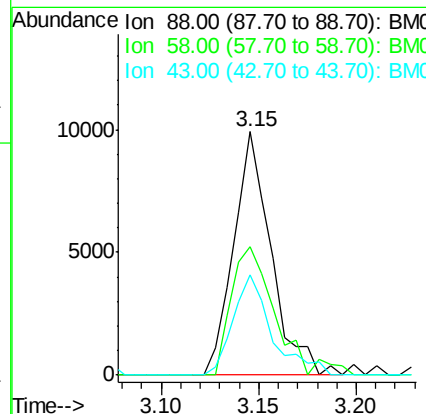
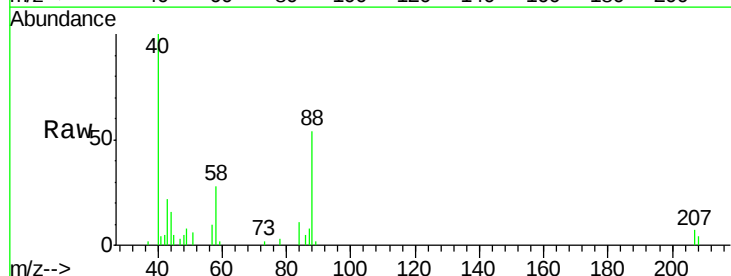
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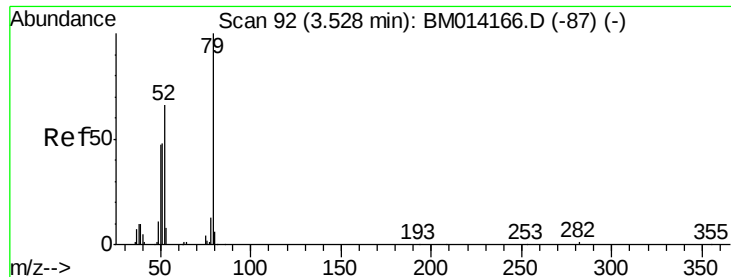


#2

1,4-Dioxane
Concen: 7.53 ng
RT: 3.15 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.3	0.0	0.0
43	42.5	0.0	0.0





#3

Pyridine

Concen: 7.02 ng

RT: 3.54 min Scan# 94

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

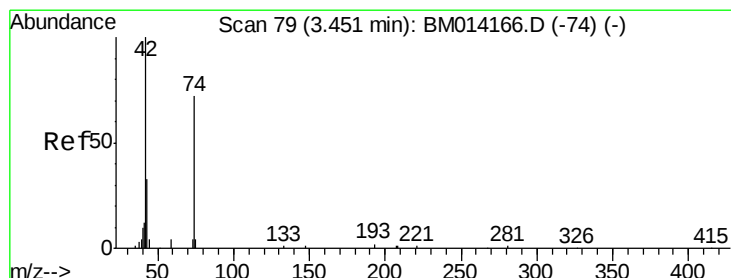
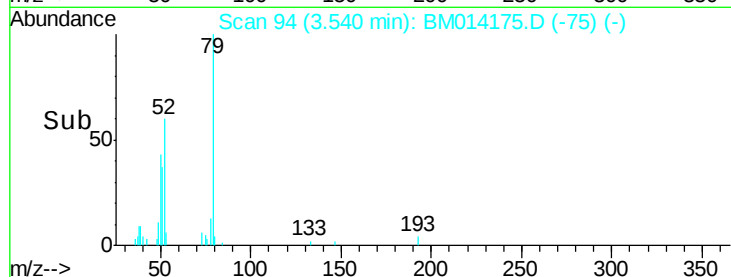
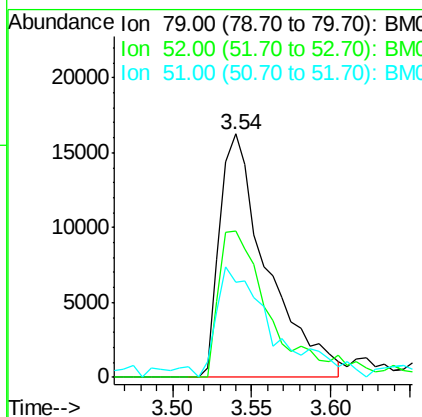
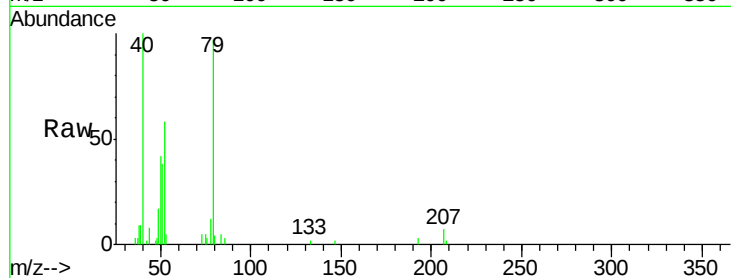
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	79	Resp:	34057
Ion Ratio	Lower	Upper	
79	100		
52	60.2	51.1	76.7
51	39.2	26.1	39.1#

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#4

n-Nitrosodimethylamine

Concen: 7.69 ng

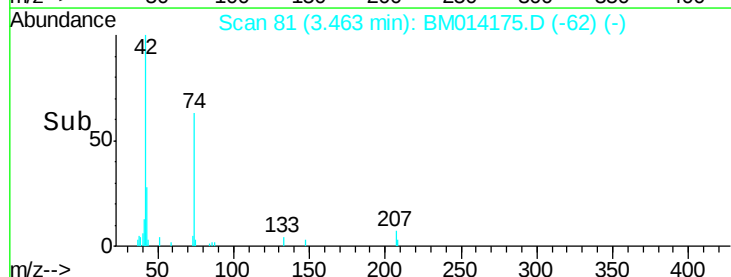
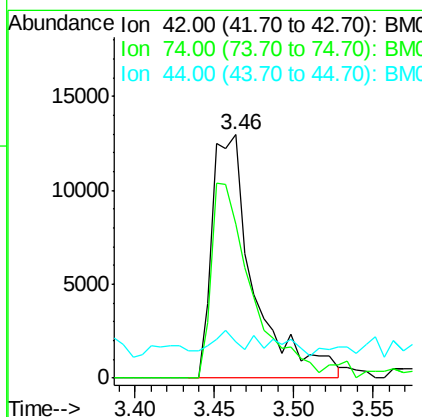
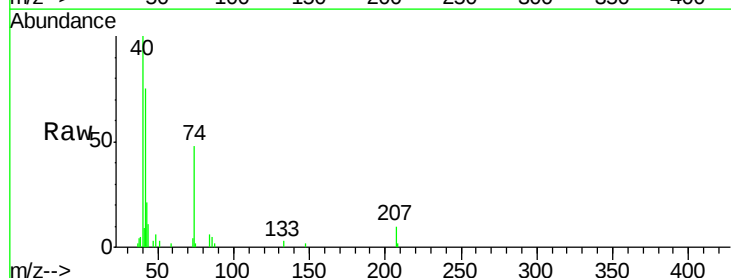
RT: 3.46 min Scan# 81

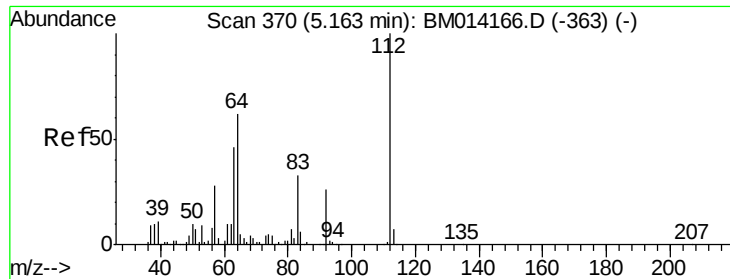
Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	42	Resp:	23742
Ion Ratio	Lower	Upper	
42	100		
74	63.2	119.3	178.9#
44	15.1	5.4	8.2#





#5

2-Fluorophenol

Concen: 138.08 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

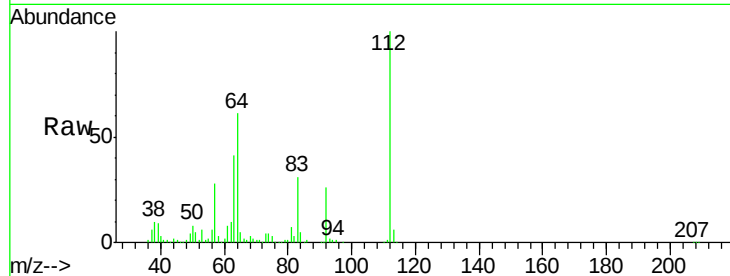
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	112	Resp:	588300
Ion Ratio	Lower	Upper	
112	100		
64	60.6	38.6	57.8#
63	41.2	19.3	28.9#

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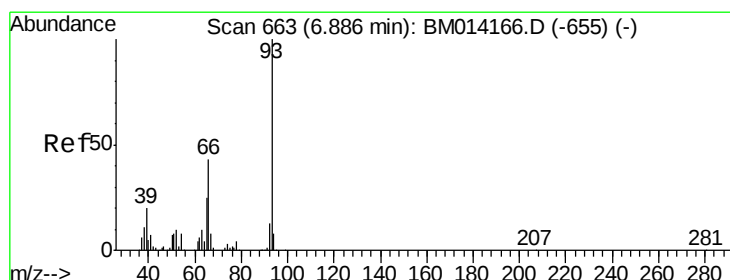
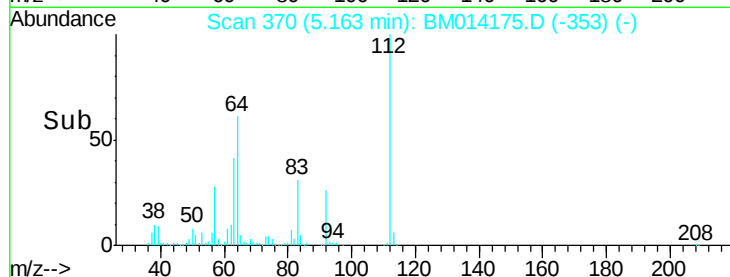
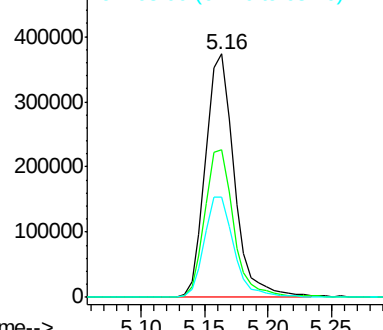
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 7.56 ng

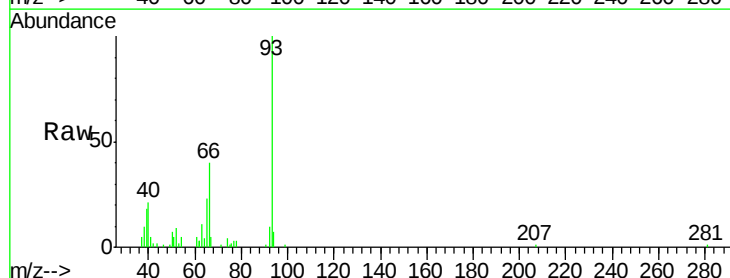
RT: 6.89 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

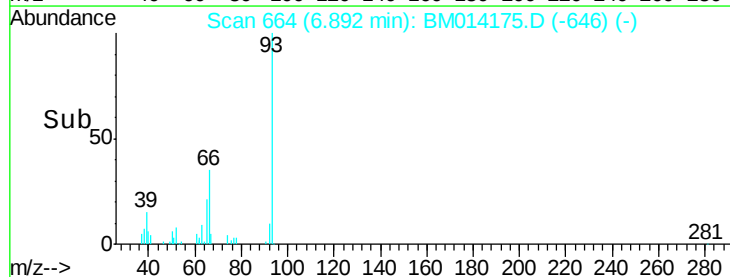
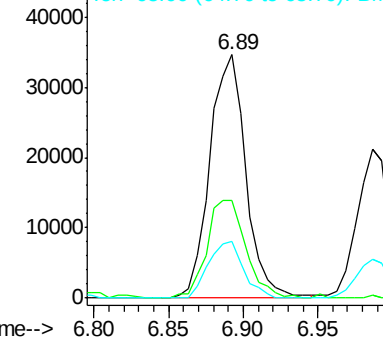
Tgt Ion:	93	Resp:	58140
Ion Ratio	Lower	Upper	
93	100		
66	40.0	30.8	46.2
65	23.2	16.0	24.0

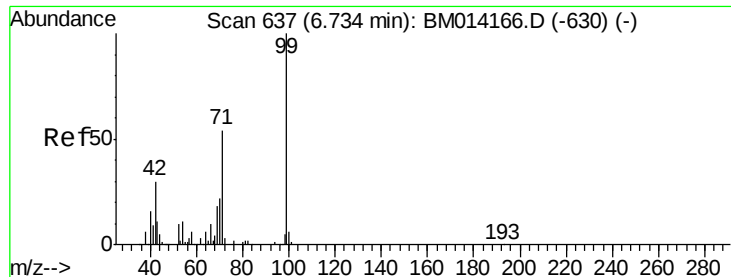


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 134.80 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

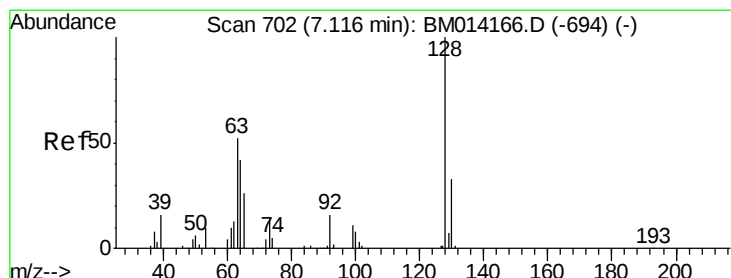
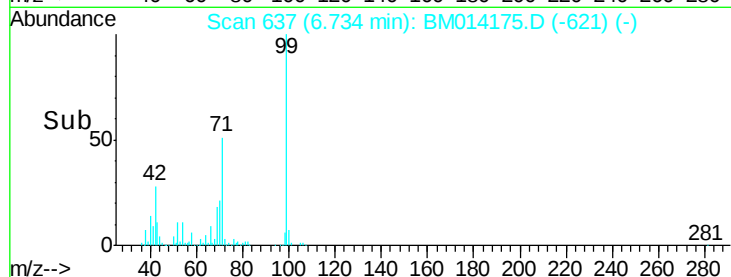
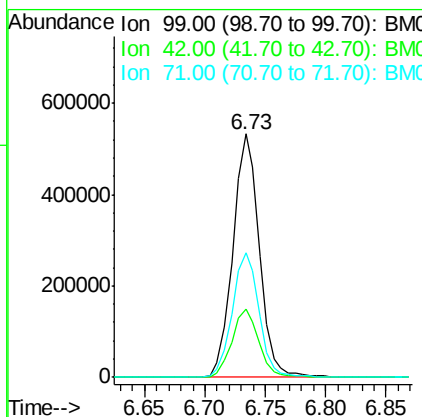
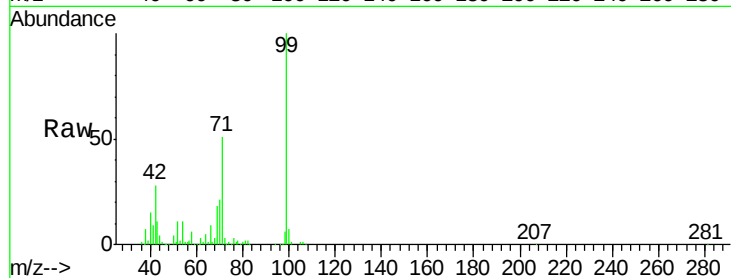
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	99	Resp:	813413
Ion Ratio	Lower	Upper	
99	100		
42	28.3	11.0	16.4#
71	51.4	23.4	35.2#

Manual Integrations
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#8

2-Chlorophenol

Concen: 7.99 ng

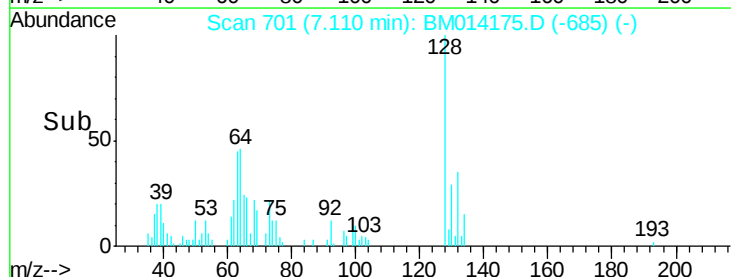
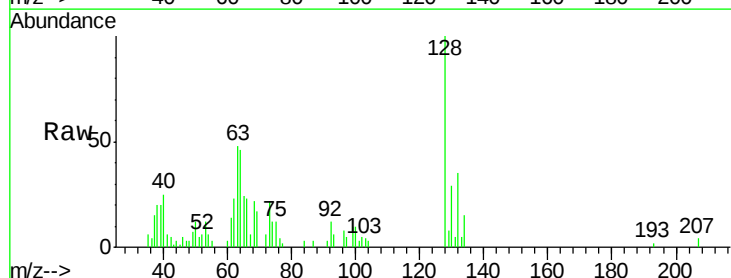
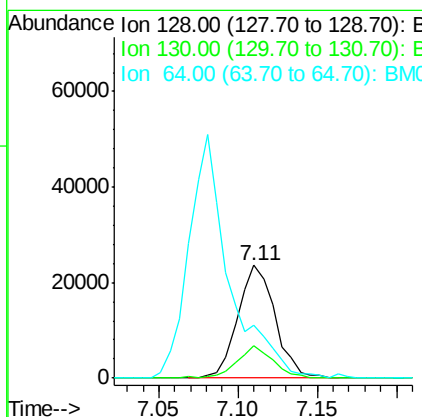
RT: 7.11 min Scan# 701

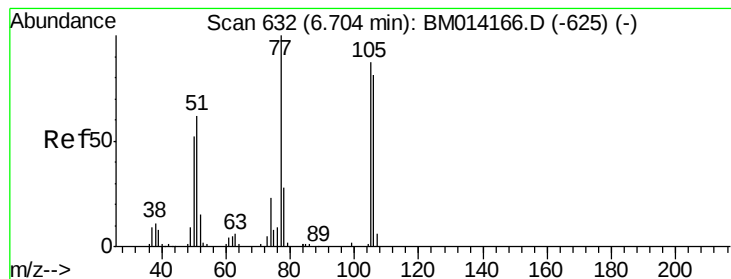
Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	128	Resp:	38677
Ion Ratio	Lower	Upper	
128	100		
130	28.7	12.0	52.0
64	46.5	24.9	64.9





#9

Benzaldehyde

Concen: 6.34 ng

RT: 6.71 min Scan# 633

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

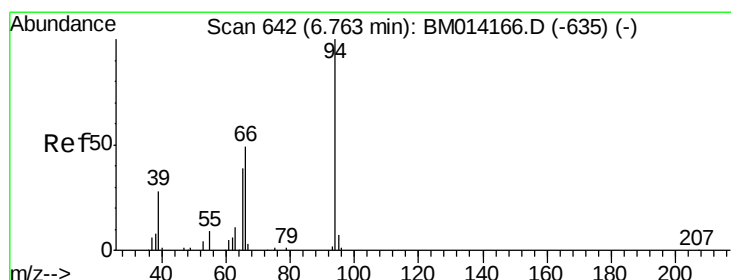
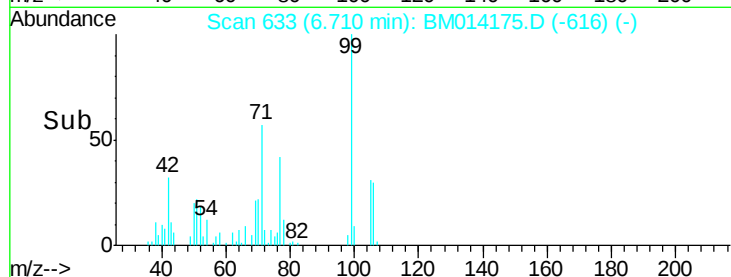
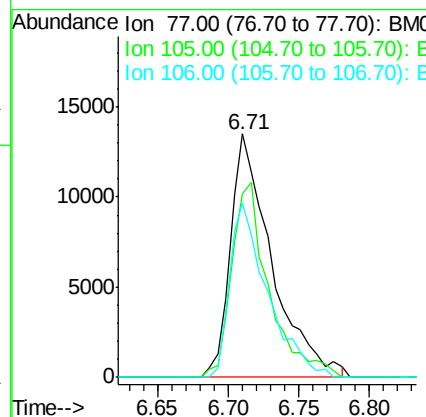
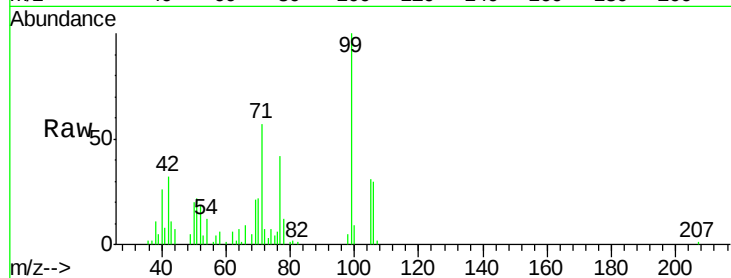
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 77 Resp: 27533
 Ion Ratio Lower Upper
 77 100
 105 75.4 78.8 118.8#
 106 71.9 73.7 113.7#

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#10

Phenol

Concen: 7.49 ng

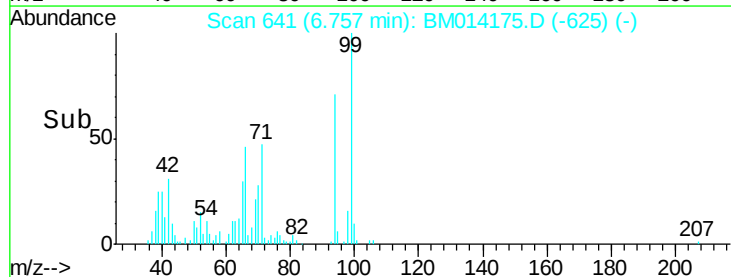
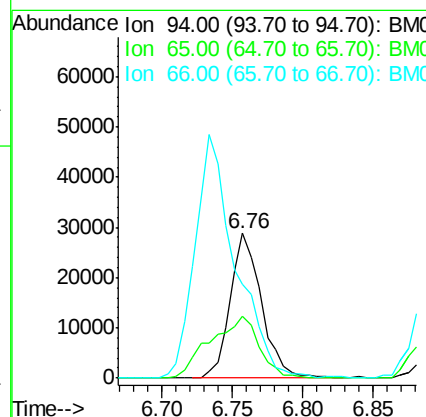
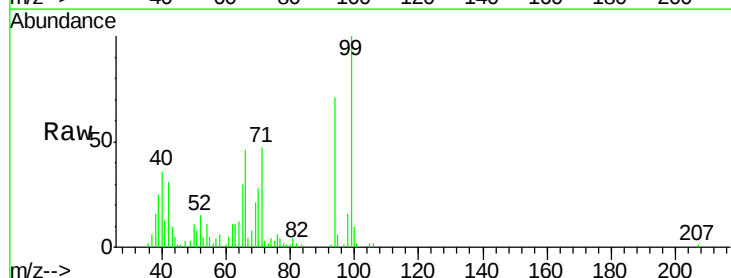
RT: 6.76 min Scan# 641

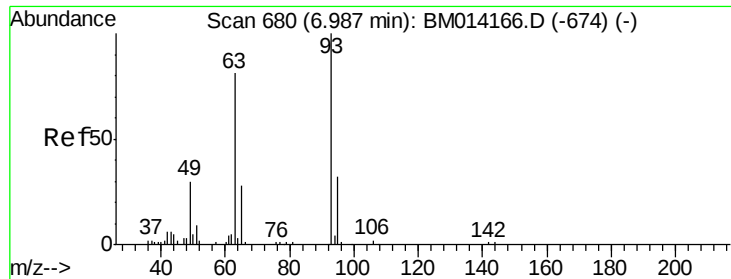
Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion: 94 Resp: 44592
 Ion Ratio Lower Upper
 94 100
 65 42.9 18.8 58.8
 66 64.5 39.9 79.9





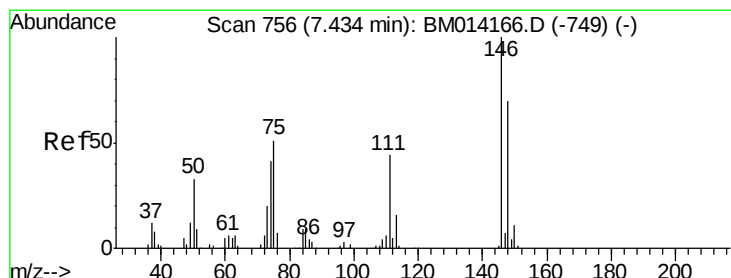
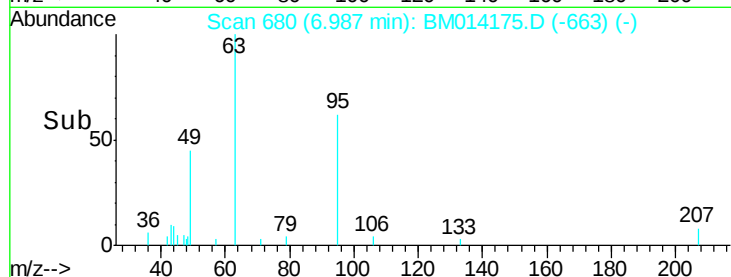
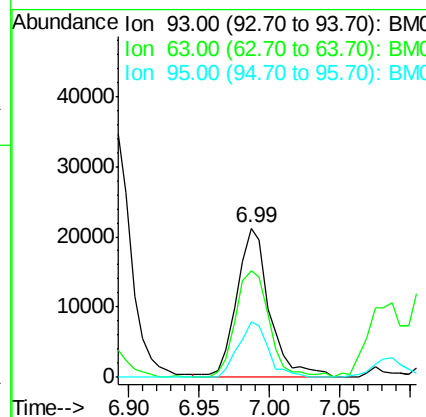
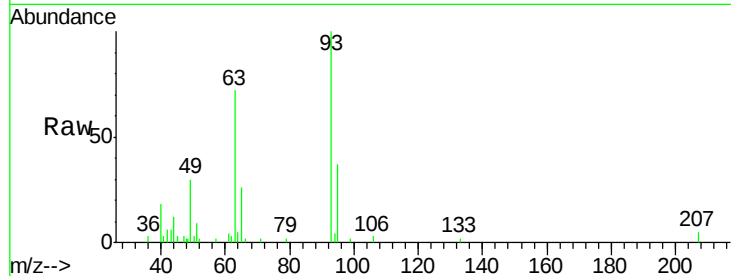
#11
bis(2-Chloroethyl)ether
Concen: 7.34 ng
RT: 6.99 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.9	49.5	89.5
95	37.3	13.5	53.5

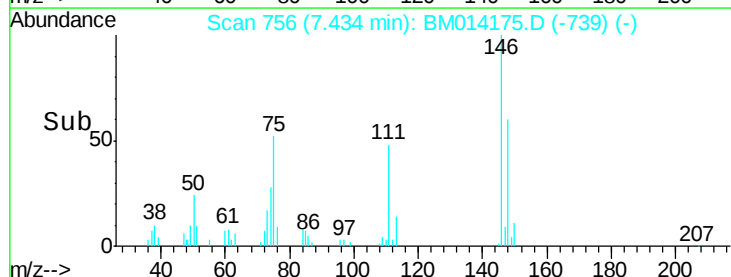
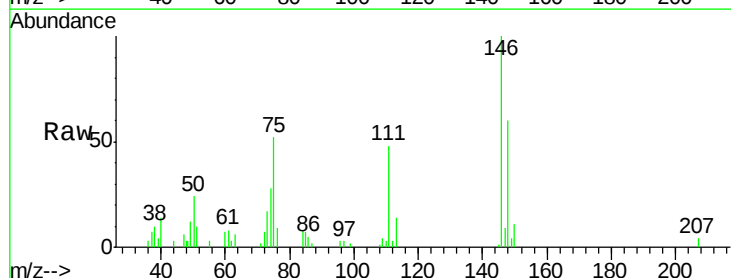
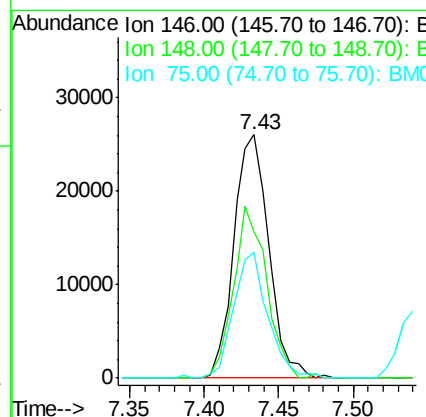
Manual Integrations
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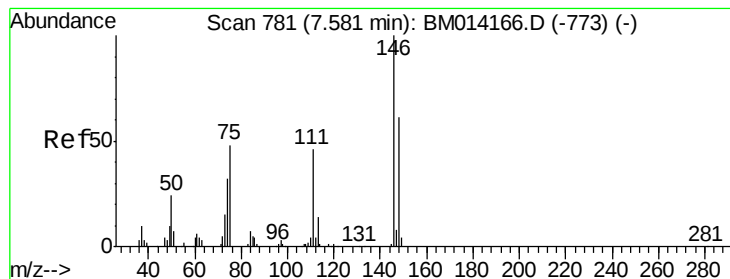
Sohil
2/8/2018 3:50:38 PM



#12
1,3-Dichlorobenzene
Concen: 7.04 ng
RT: 7.43 min Scan# 756
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.9	76.3
75	51.7	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 7.65 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

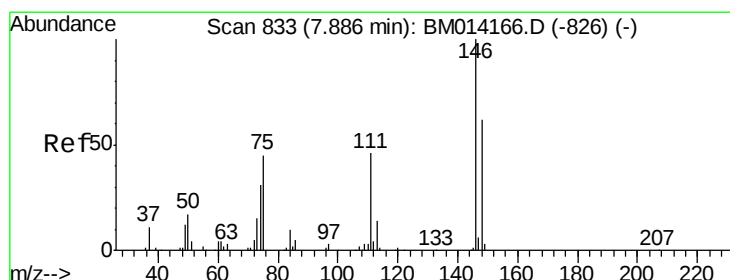
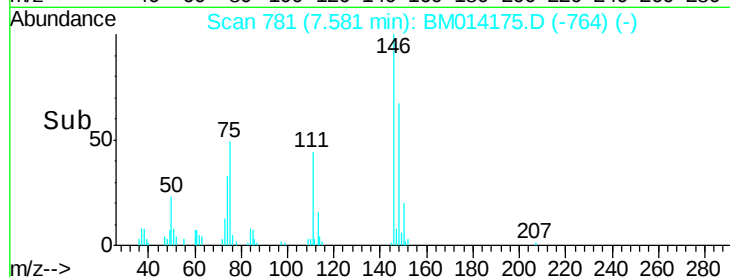
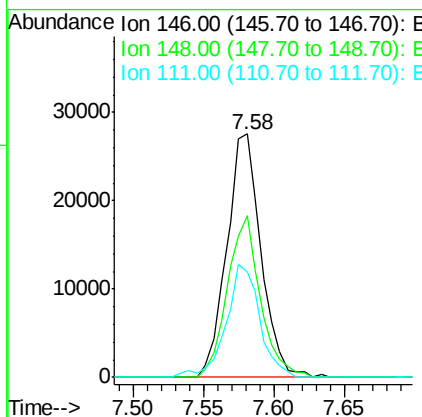
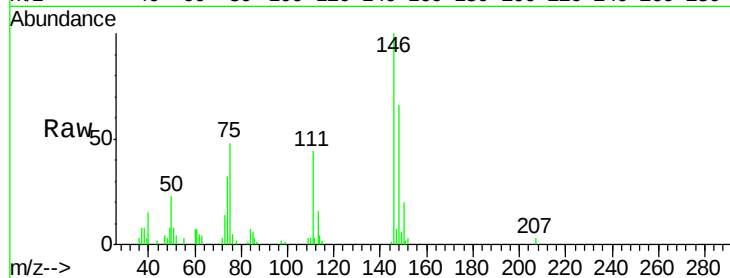
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	146	Resp:	46498
Ion Ratio	Lower	Upper	
146	100		
148	66.3	51.9	77.9
111	43.5	29.2	43.8

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#14

1,2-Dichlorobenzene

Concen: 7.53 ng

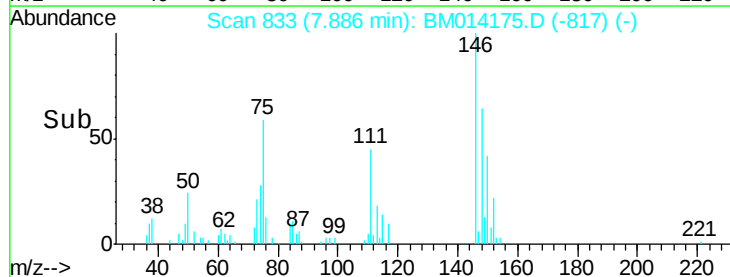
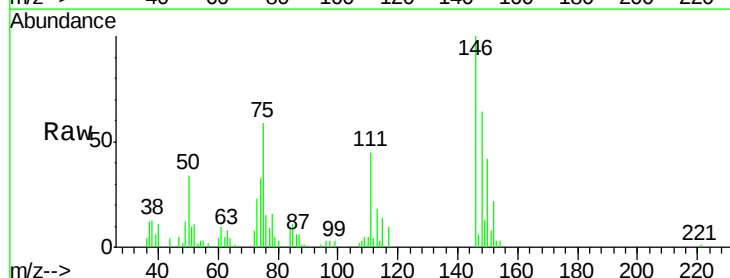
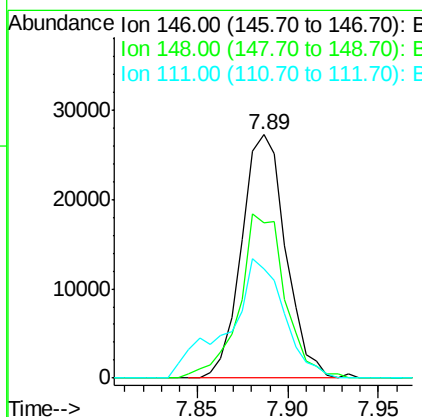
RT: 7.89 min Scan# 833

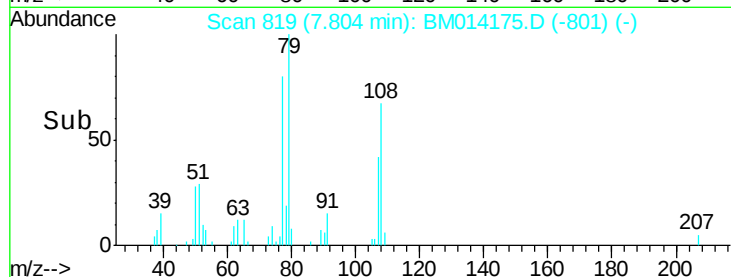
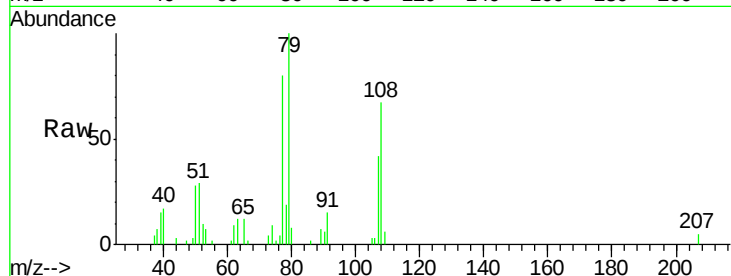
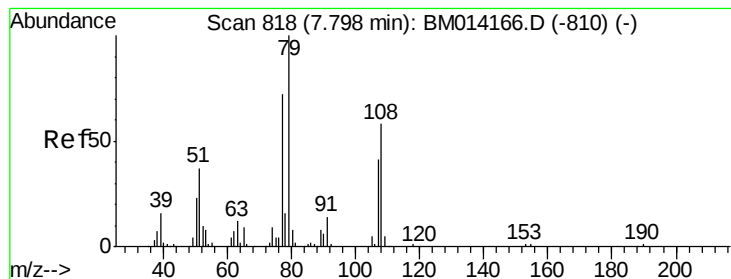
Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	146	Resp:	46088
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.3	78.5
111	44.6	30.6	45.8





#15

Benzyl Alcohol

Concen: 6.45 ng

RT: 7.80 min Scan# 819

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	79	Resp:	36068
Ion Ratio	Lower	Upper	
79	100		
108	66.7	65.0	97.4
77	80.3	53.0	79.6#

Instrument :

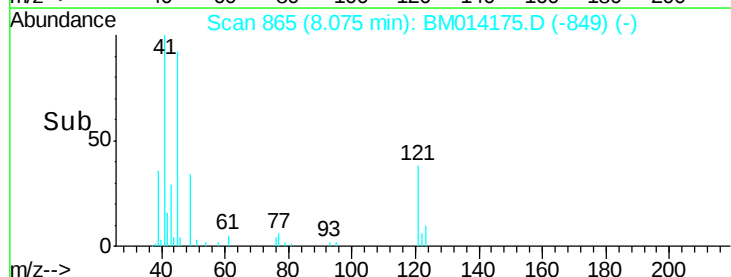
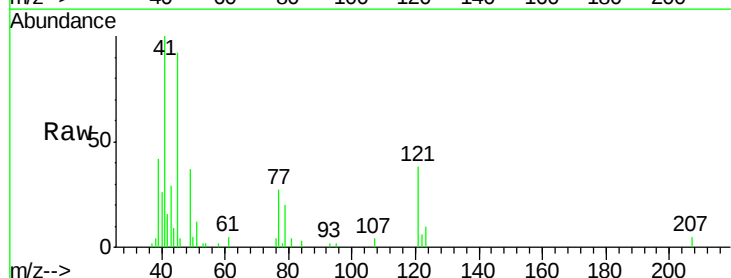
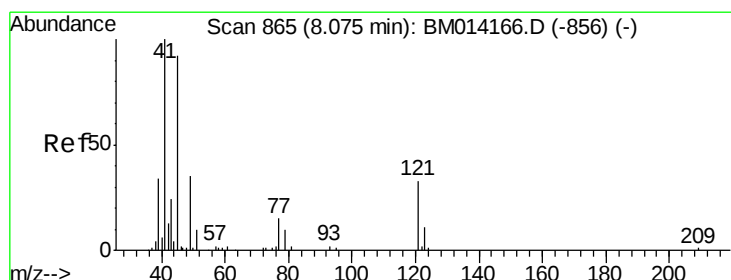
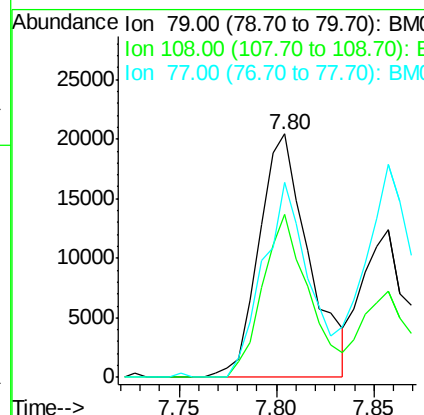
BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2018

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.38 ng

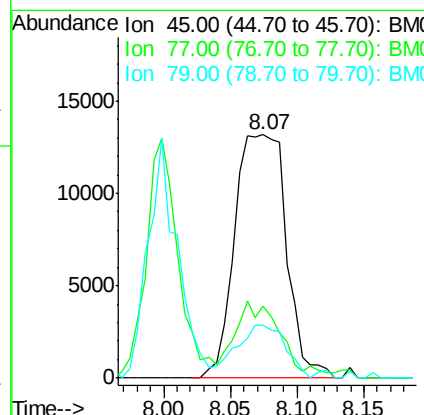
RT: 8.07 min Scan# 865

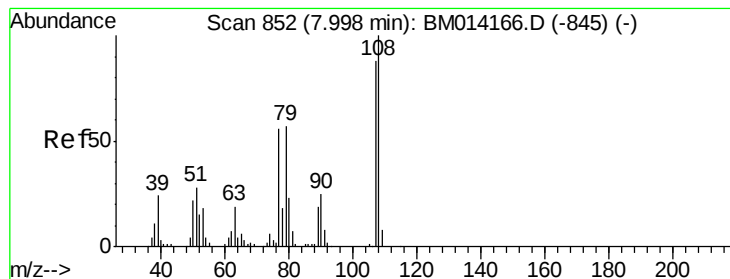
Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

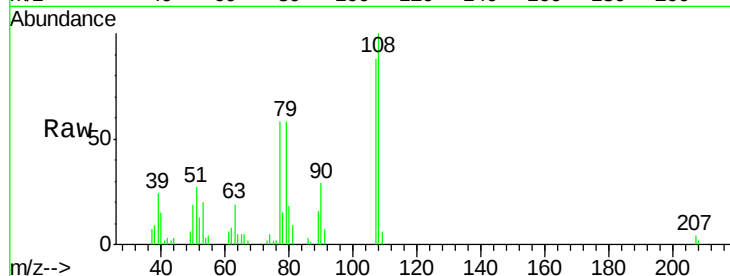
Tgt Ion:	45	Resp:	35325
Ion Ratio	Lower	Upper	
45	100		
77	29.7	0.0	35.2
79	21.7	0.0	32.0





#17
2-Methylphenol
Concen: 7.00 ng
RT: 8.00 min Scan# 852
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

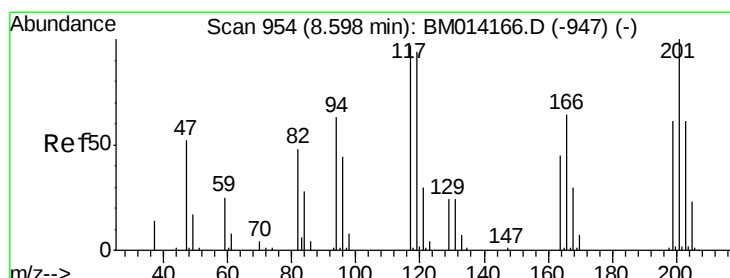
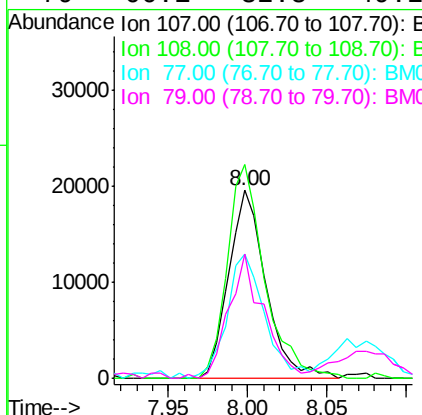
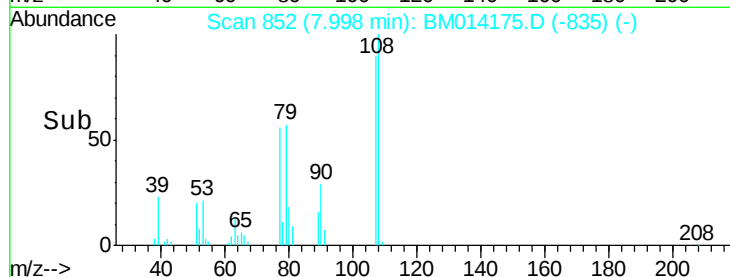
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2018



Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	113.6	89.8	134.8
77	66.2	32.6	48.8
79	66.1	32.8	49.2

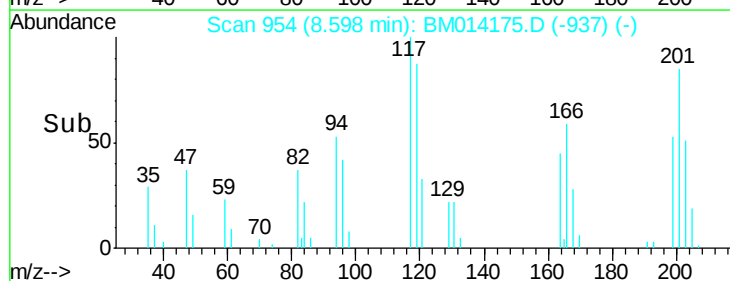
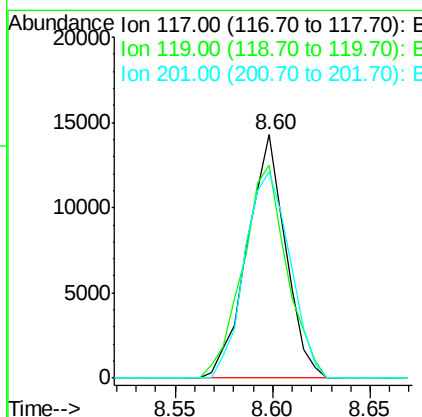
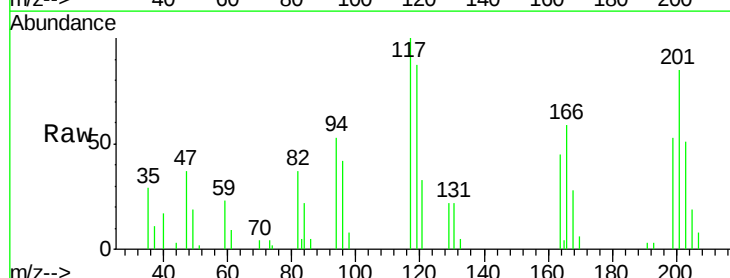
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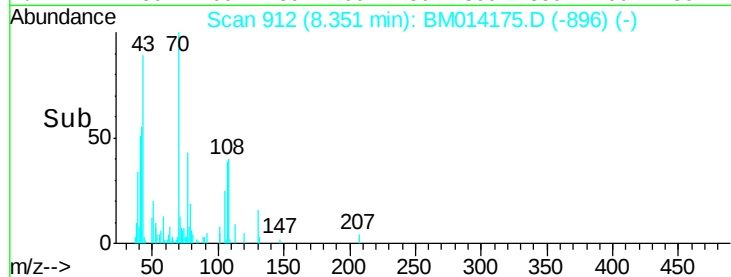
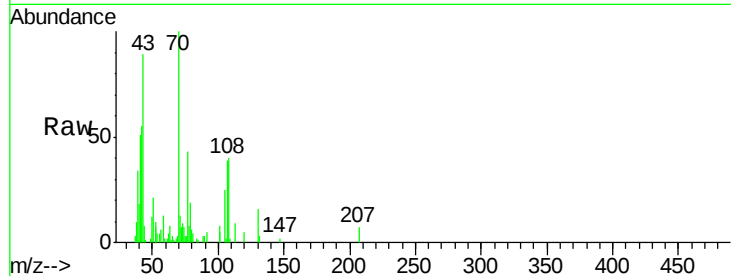
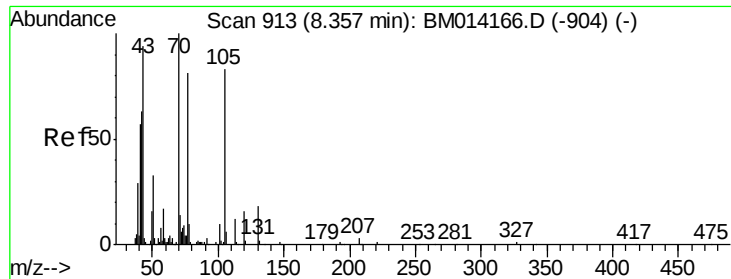
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#18
Hexachloroethane
Concen: 7.43 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	87.4	79.2	118.8
201	84.9	69.8	104.6





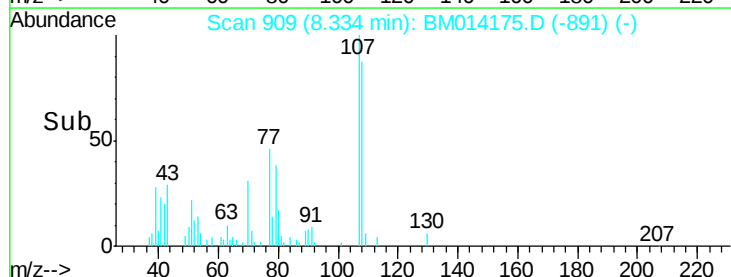
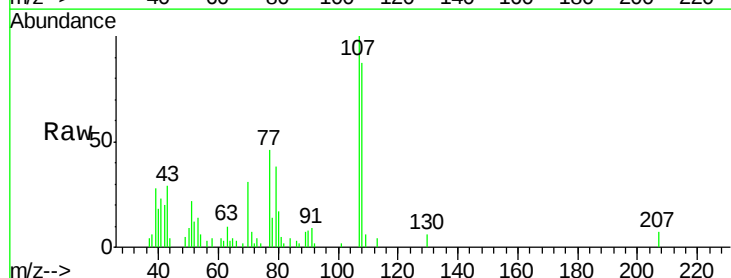
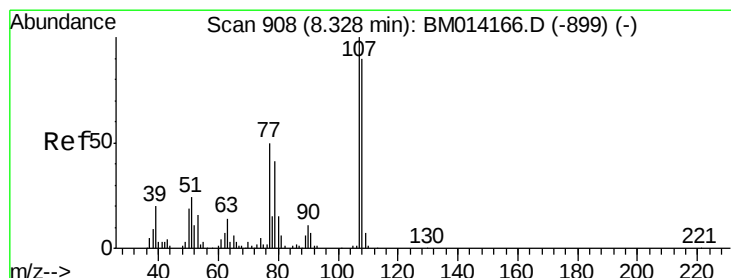
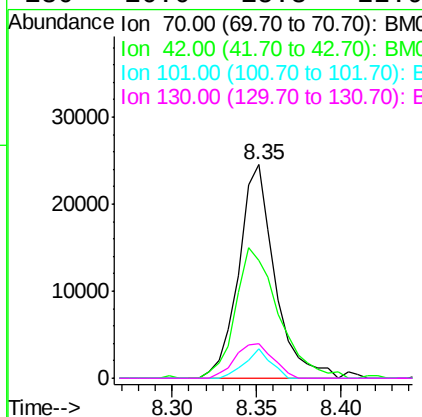
#19
n-Nitroso-di-n-propylamine
Concen: 7.03 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.3	44.5	66.7
101	13.8	7.4	11.2
130	16.0	15.3	22.9

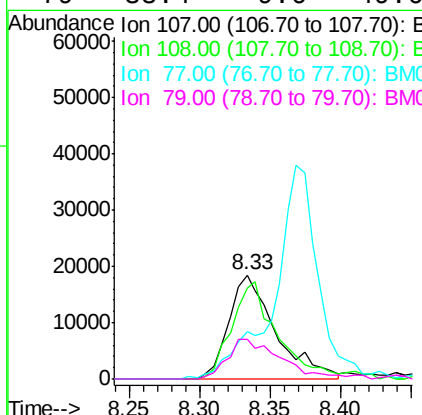
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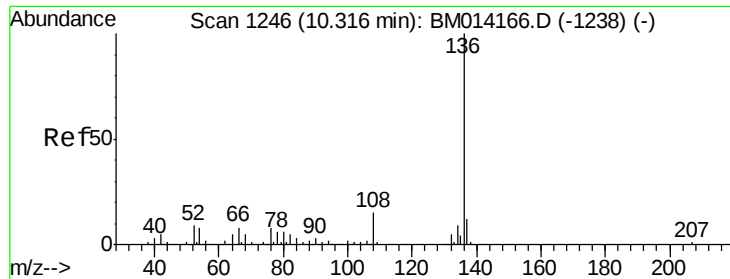
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#20
3+4-Methylphenols
Concen: 6.46 ng
RT: 8.33 min Scan# 909
Delta R.T. 0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.9	73.2	113.2
77	45.8	10.7	50.7
79	38.4	9.6	49.6





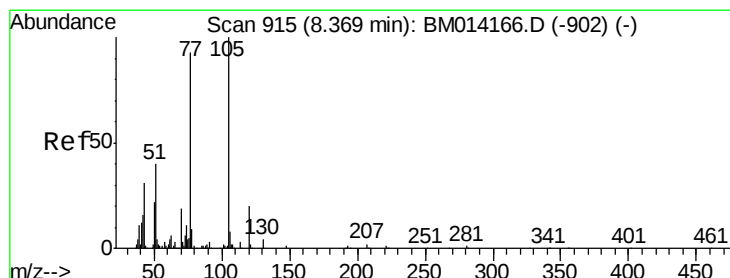
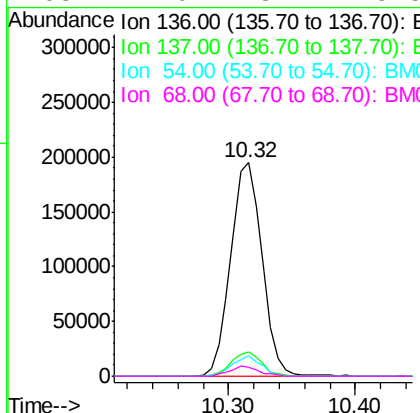
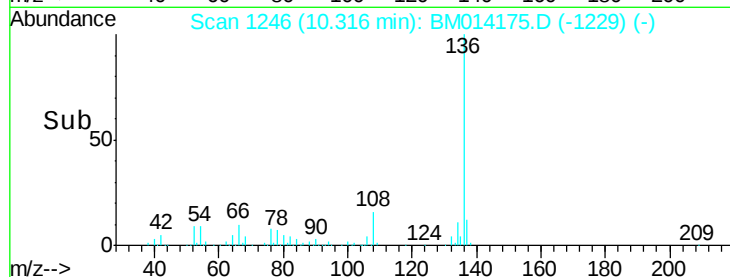
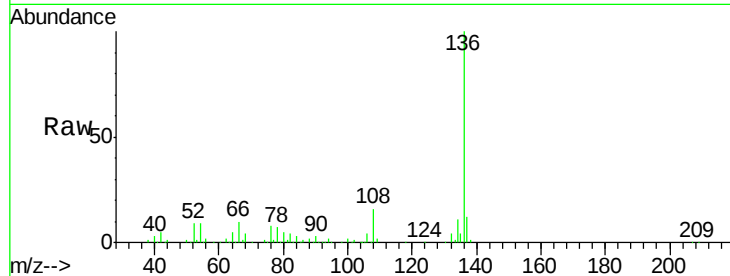
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.32 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	334220		
137	11.6	8.7	13.1	
54	9.5	4.6	6.8#	
68	4.0	3.7	5.5	

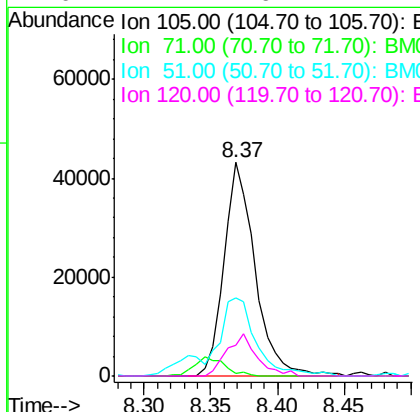
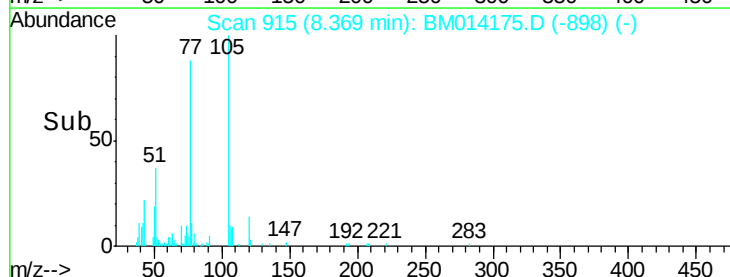
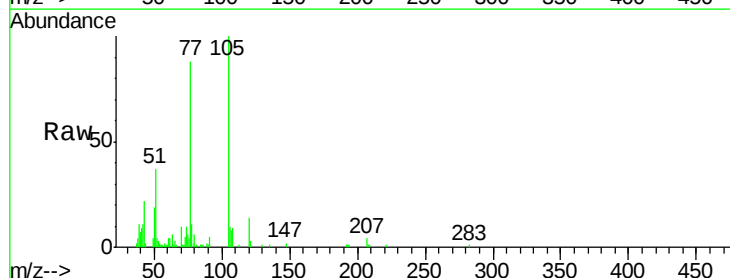
Manual Integrations
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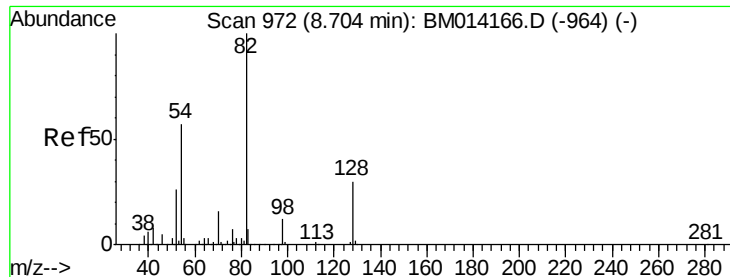
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#22
Acetophenone
Concen: 7.38 ng
RT: 8.37 min Scan# 915
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	70955		
71	1.3	0.6	1.0#	
51	36.8	21.6	32.4#	
120	14.4	16.1	24.1#	





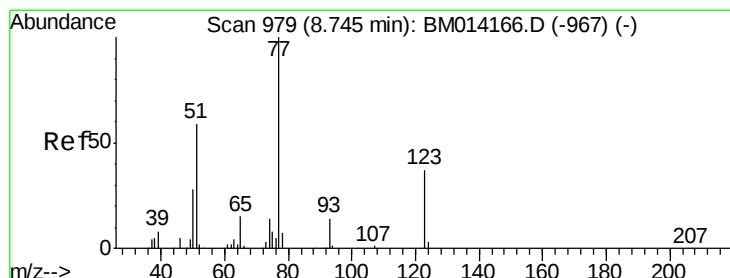
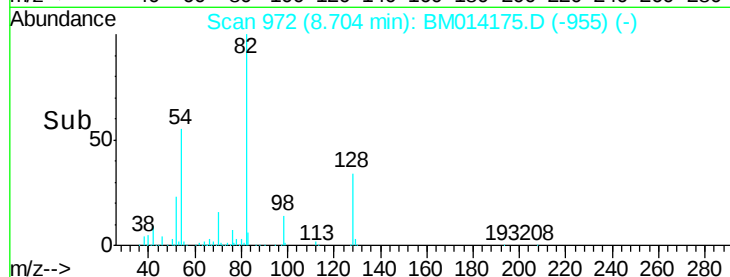
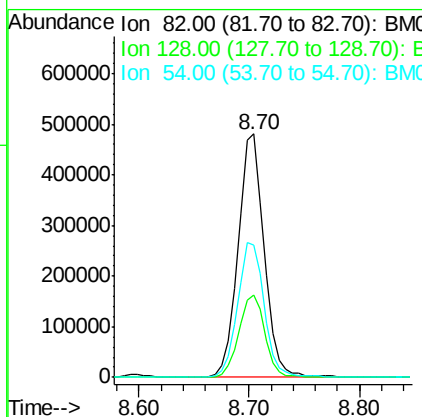
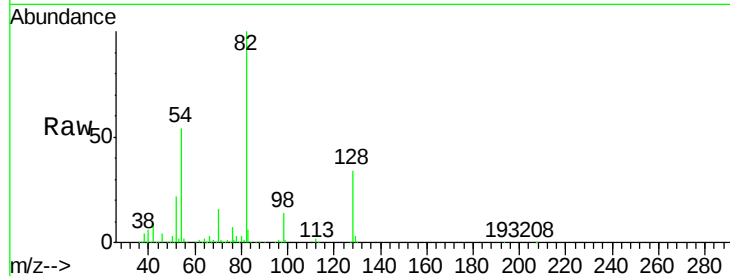
#23
 Nitrobenzene-d5
 Concen: 106.92 ng
 RT: 8.70 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	799988		
128	33.9	32.8	49.2	
54	54.4	40.6	60.8	

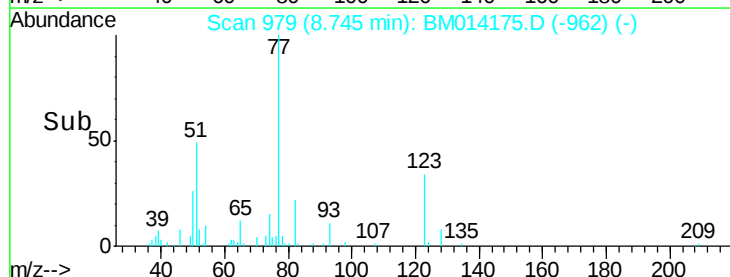
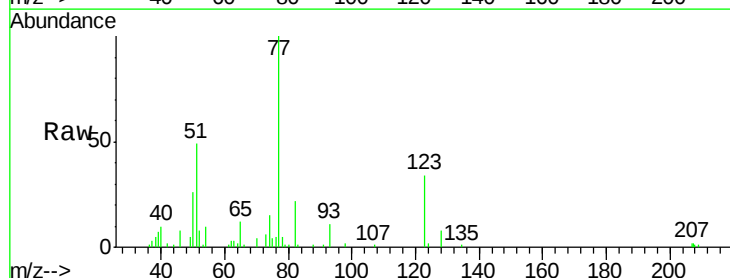
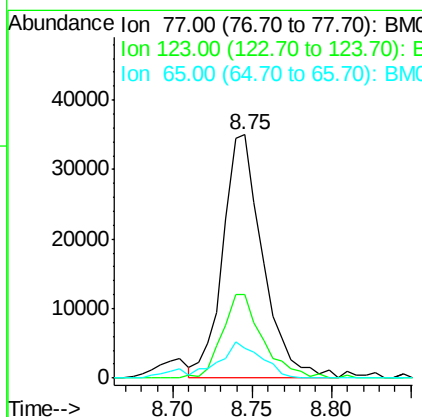
Manual Integrations
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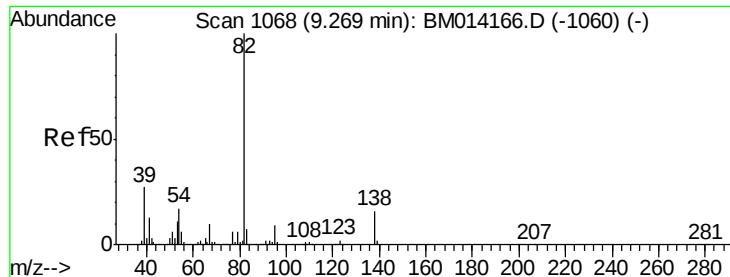
Sohil
 2/8/2018 3:50:38 PM



#24
 Nitrobenzene
 Concen: 7.94 ng
 RT: 8.75 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	61194		
123	34.2	32.6	49.0	
65	12.3	10.9	16.3	





#25

Isophorone

Concen: 7.44 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

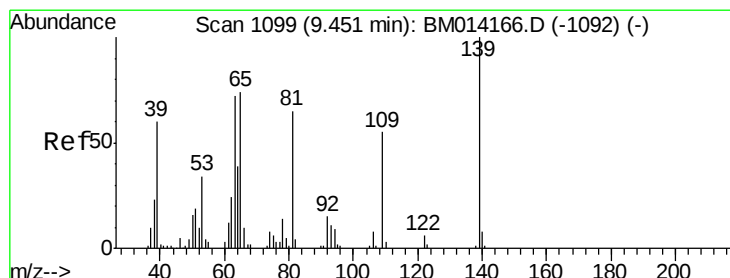
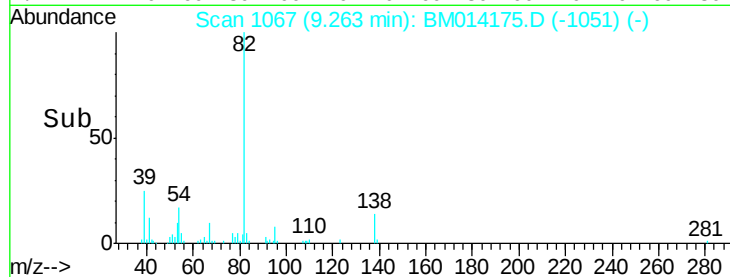
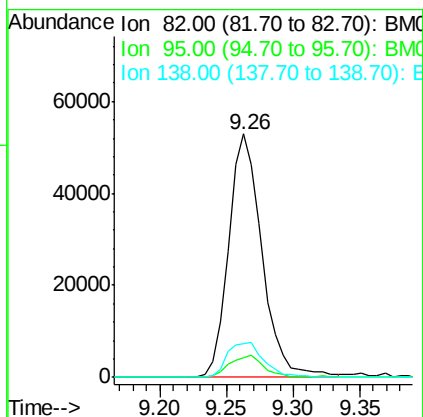
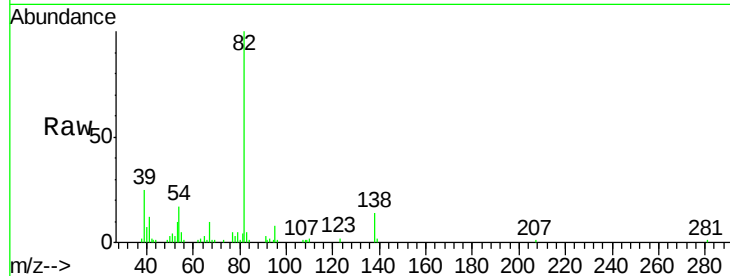
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	82	Resp:	92275
Ion Ratio	Lower	Upper	
82	100		
95	8.2	5.8	8.6
138	13.9	16.3	24.5#

Manual Integrations
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#26

2-Nitrophenol

Concen: 7.10 ng

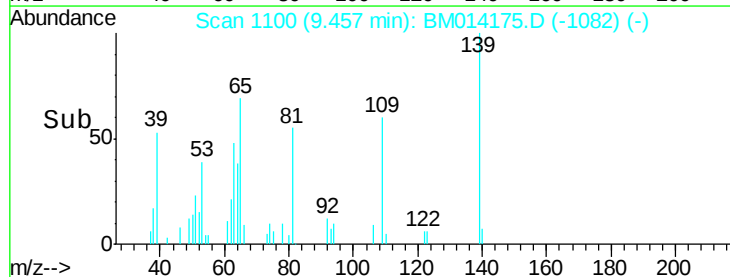
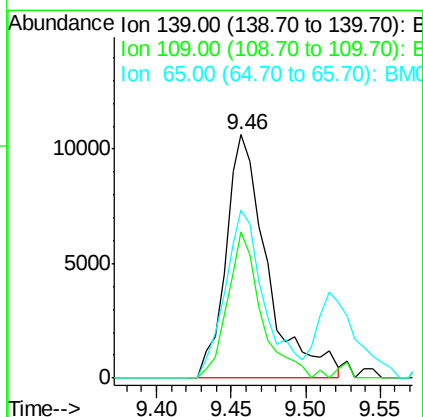
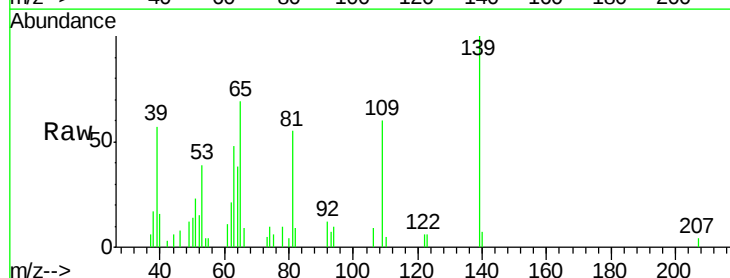
RT: 9.46 min Scan# 1100

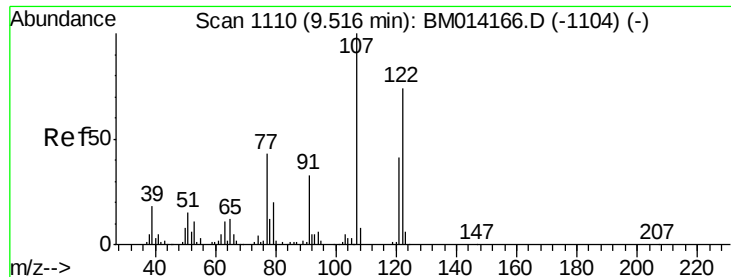
Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	139	Resp:	20634
Ion Ratio	Lower	Upper	
139	100		
109	60.3	20.1	30.1#
65	68.8	31.5	47.3#





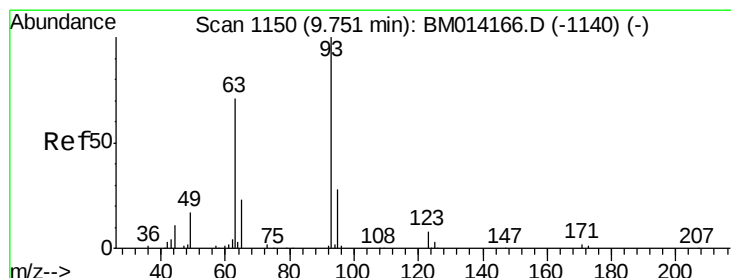
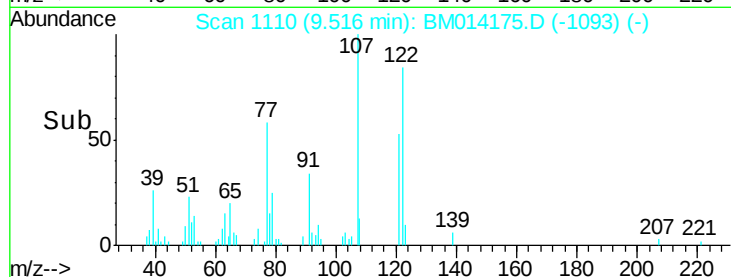
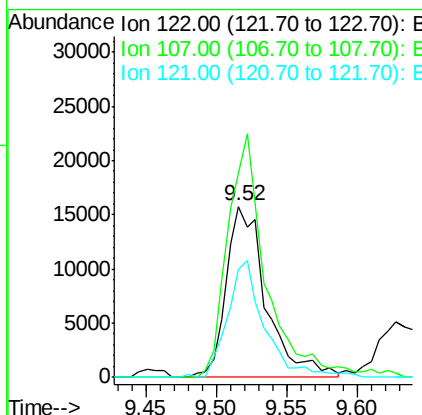
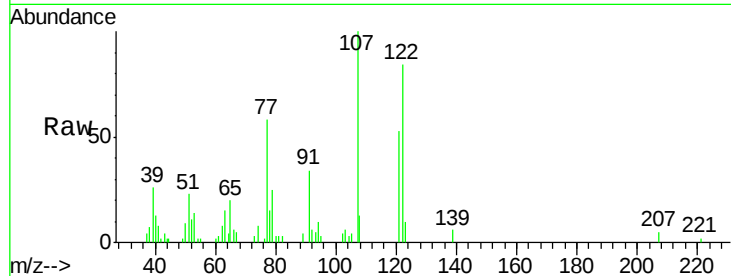
#27
 2,4-Dimethylphenol
 Concen: 7.03 ng
 RT: 9.52 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	31130		
107	119.5	84.7	127.1	
121	63.2	46.6	69.8	

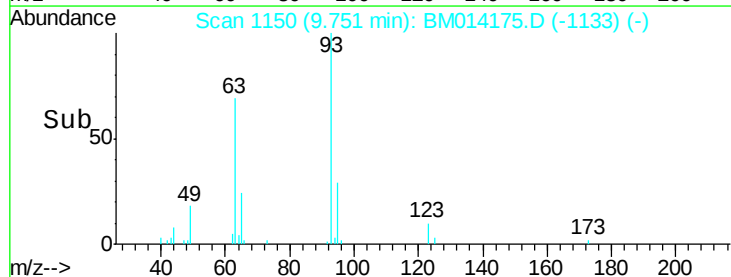
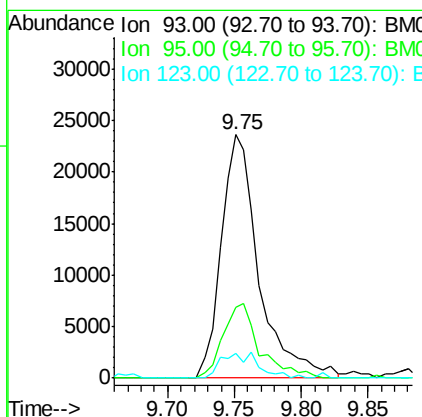
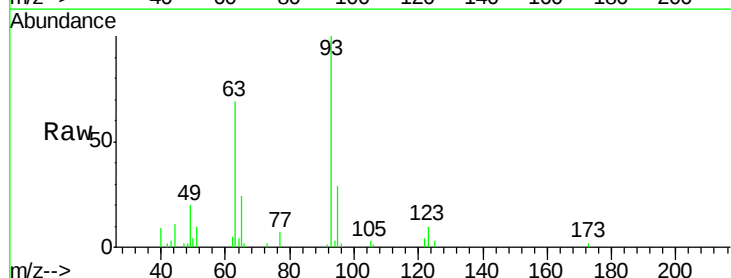
Manual Integrations
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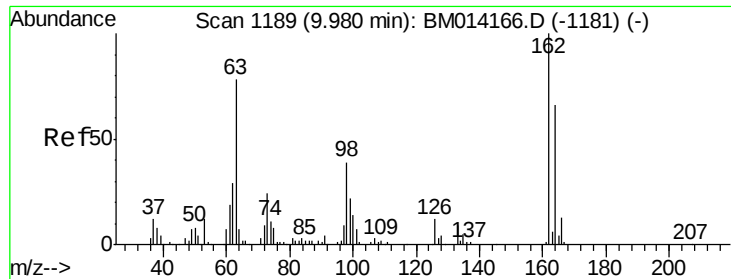
Sohil
 2/8/2018 3:50:38 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.33 ng
 RT: 9.75 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	46599		
95	29.2	25.5	38.3	
123	9.9	8.6	13.0	





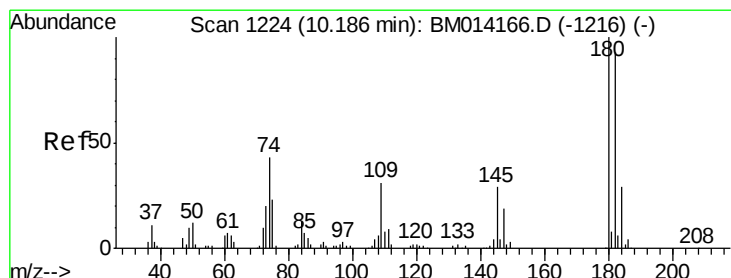
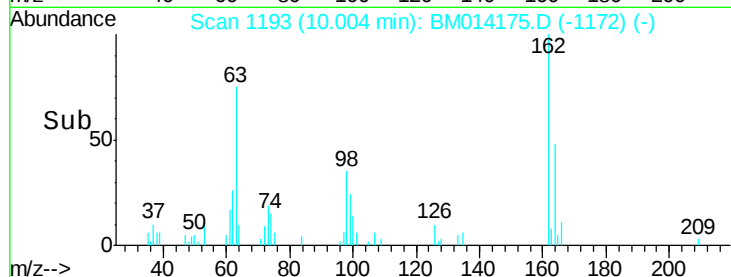
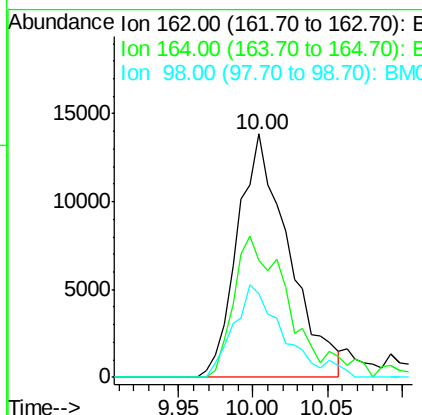
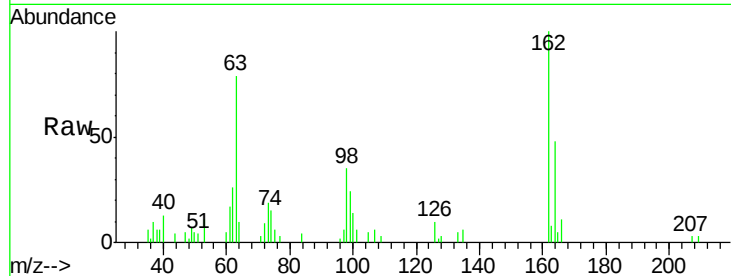
#29
2,4-Dichlorophenol
Concen: 6.69 ng
RT: 10.00 min Scan# 1193
Delta R.T. 0.02 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	33119		
164	48.1	42.8	82.8	
98	34.6	14.5	54.5	

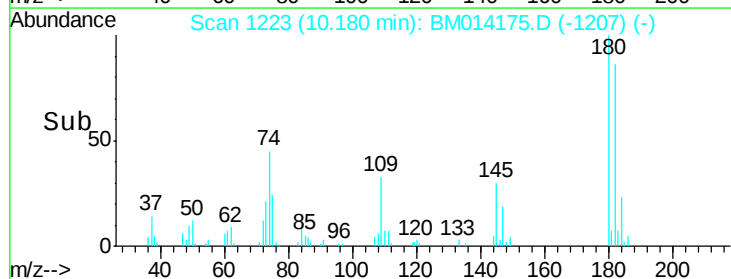
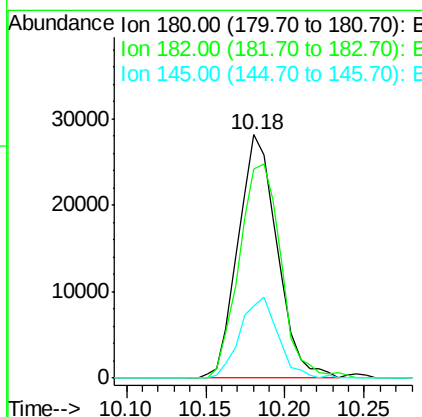
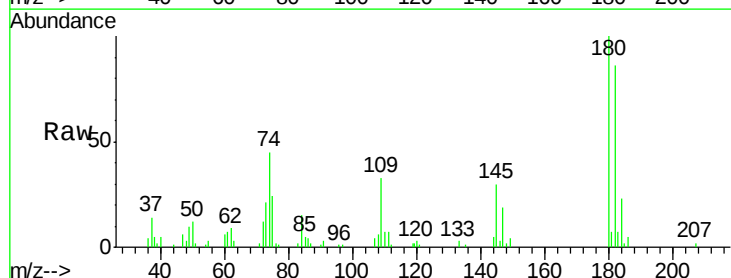
Manual Integrations
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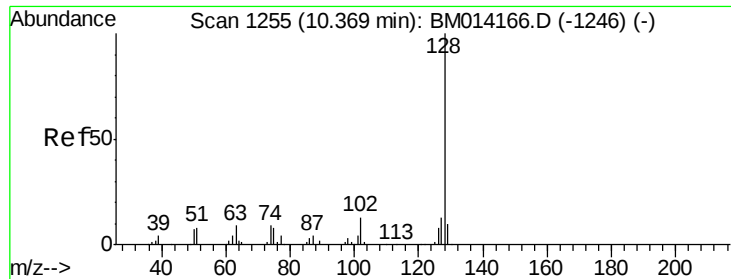
Sohil
2/8/2018 3:50:38 PM



#30
1,2,4-Trichlorobenzene
Concen: 7.42 ng
RT: 10.18 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48433		
182	85.8	77.6	116.4	
145	29.6	23.4	35.2	





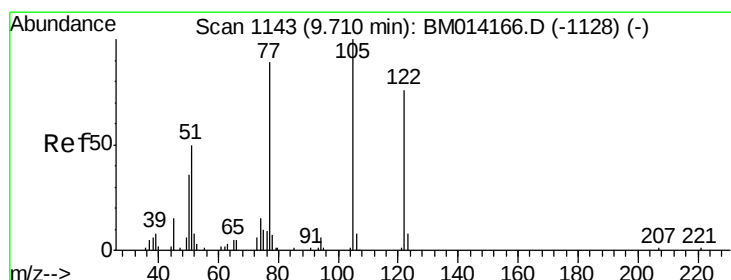
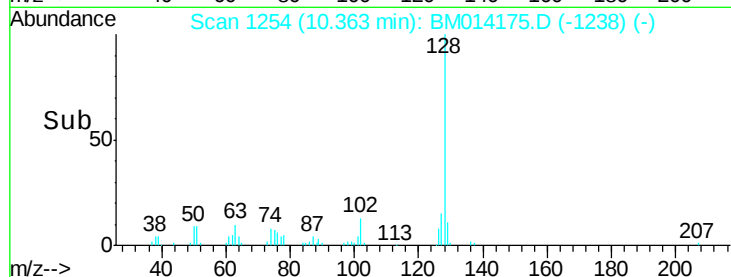
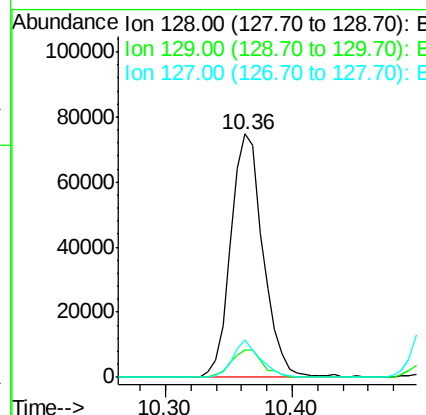
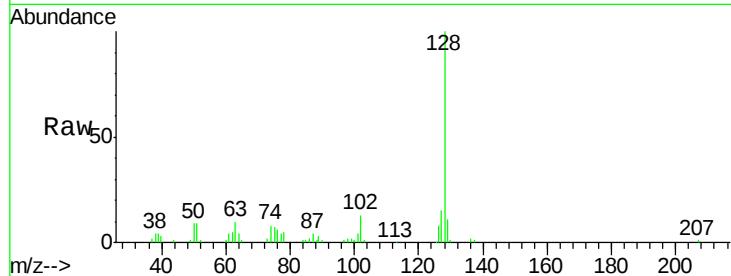
#31
Naphthalene
Concen: 7.18 ng
RT: 10.36 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	131331		
129	11.4	8.9	13.3	
127	15.2	10.4	15.6	

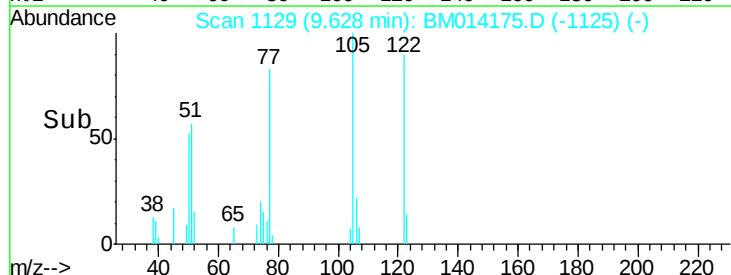
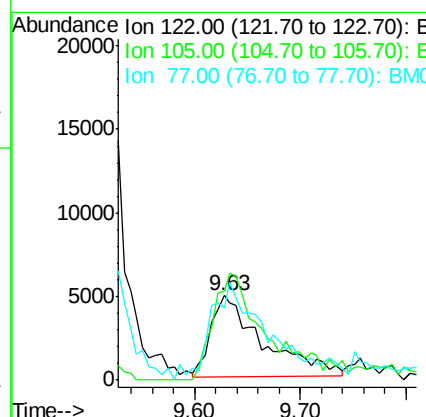
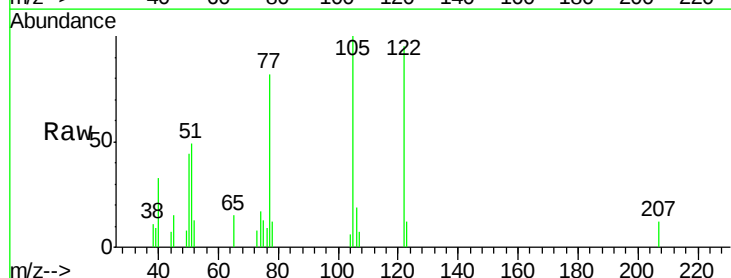
Manual Integrations
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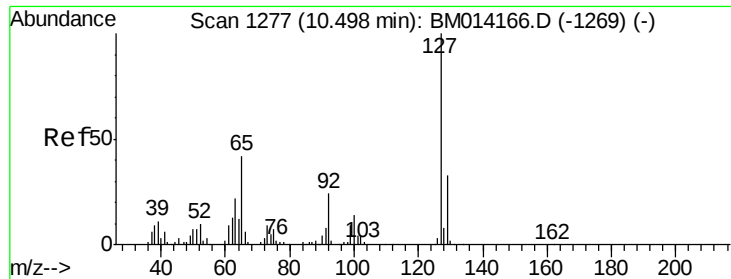
Sohil
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#32
Benzoic acid
Concen: 9.95 ng m
RT: 9.63 min Scan# 1129
Delta R.T. -0.08 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	16479		
105	104.8	99.9	139.9	
77	85.7	73.7	113.7	





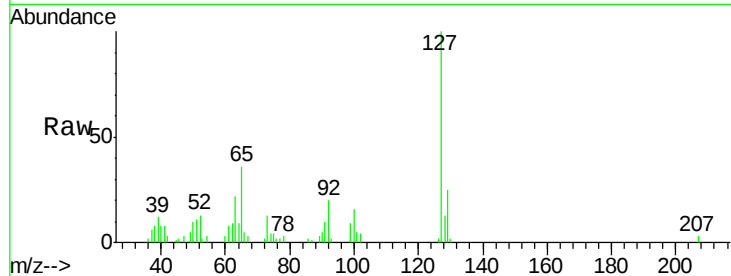
#33
4-Chloroaniline
Concen: 6.41 ng
RT: 10.51 min Scan# 1279
Delta R.T. 0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

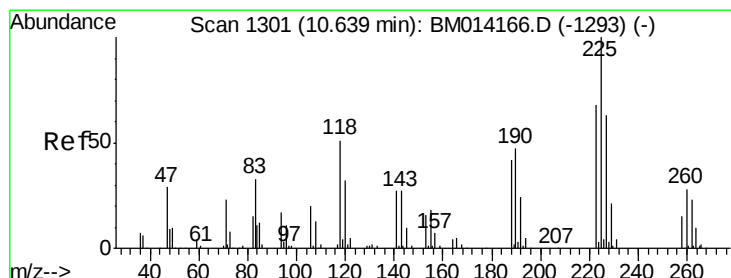
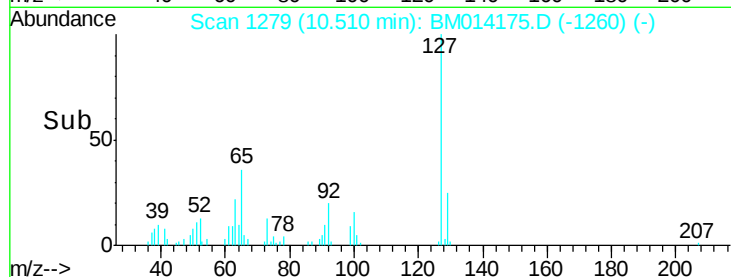
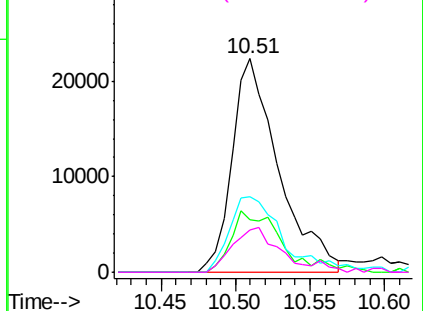
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	48745		
129	27.0	25.3	37.9	
65	35.5	17.6	26.4	
92	19.6	13.1	19.7	

Manual Integrations
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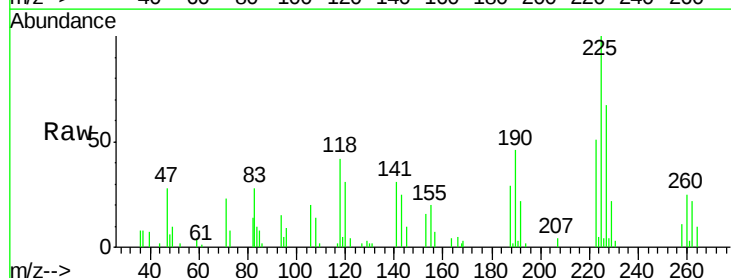


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

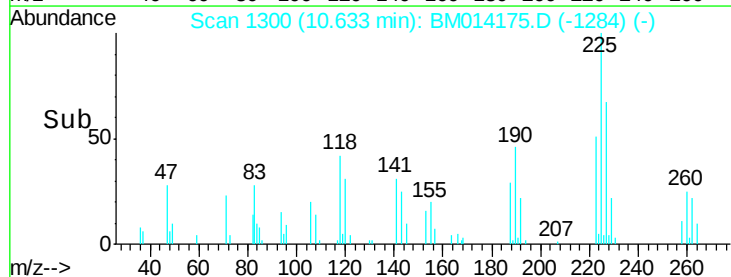
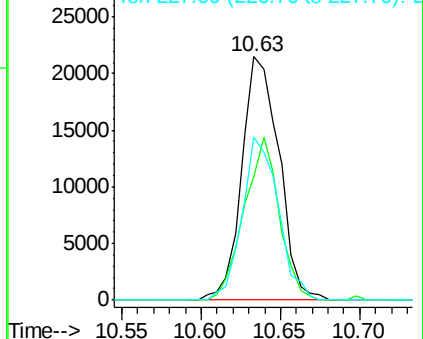


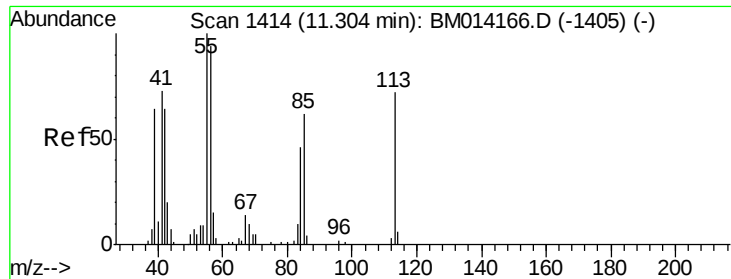
#34
Hexachlorobutadiene
Concen: 7.85 ng
RT: 10.63 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35126		
223	48.9	47.9	71.9	
227	64.1	50.1	75.1	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





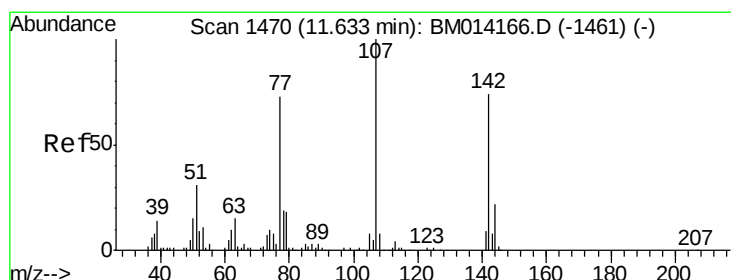
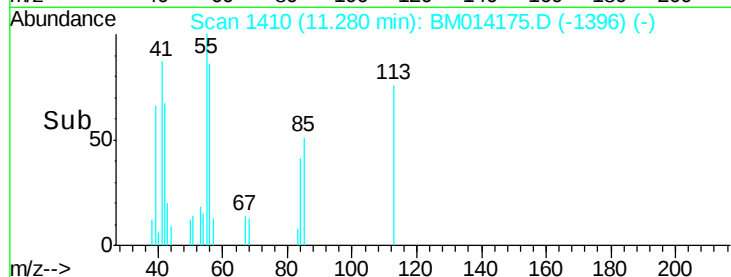
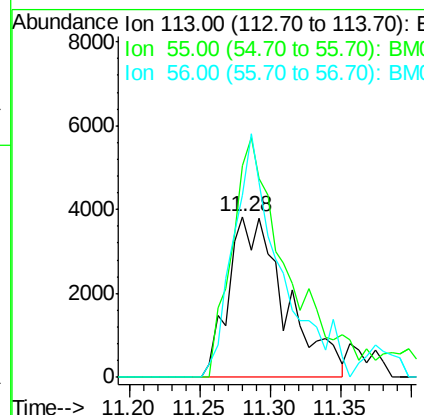
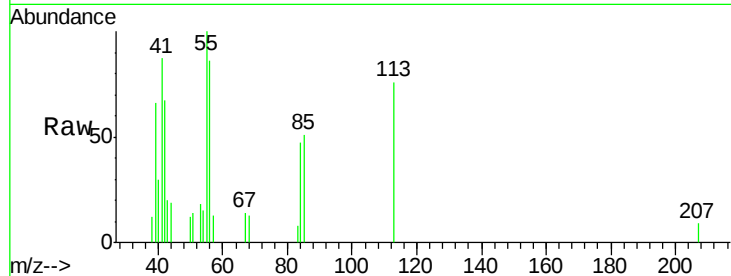
#35
 Caprolactam
 Concen: 6.11 ng
 RT: 11.28 min Scan# 1410
 Delta R.T. -0.02 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
113	100		
55	131.7	145.9	185.9#
56	113.4	101.0	141.0

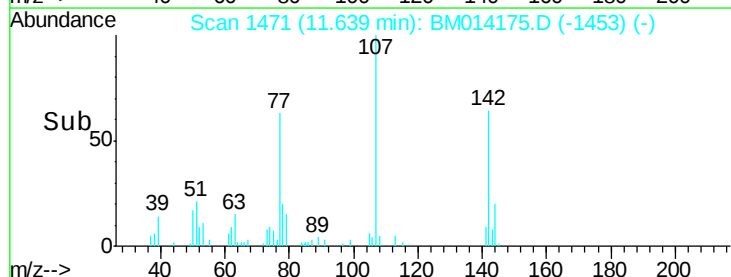
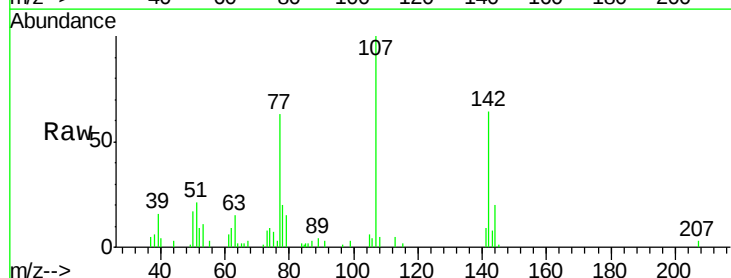
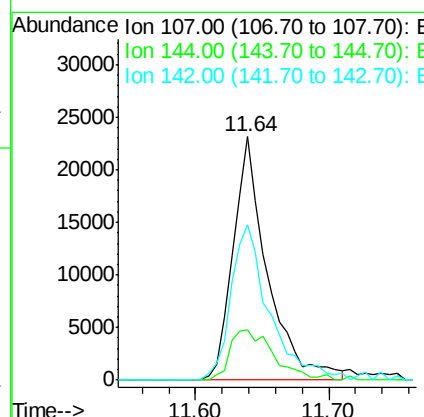
Manual Integrations
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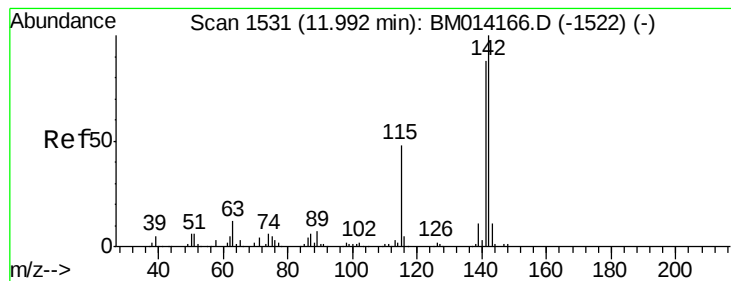
Sohil
 2/8/2018 3:50:38 PM



#36
 4-Chloro-3-methylphenol
 Concen: 6.79 ng
 RT: 11.64 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	20.5	23.3	34.9#
142	63.9	72.6	109.0#





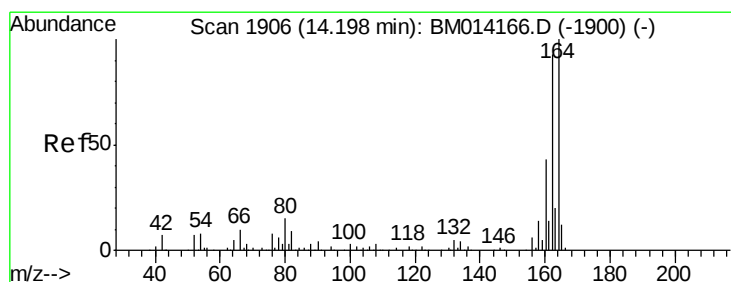
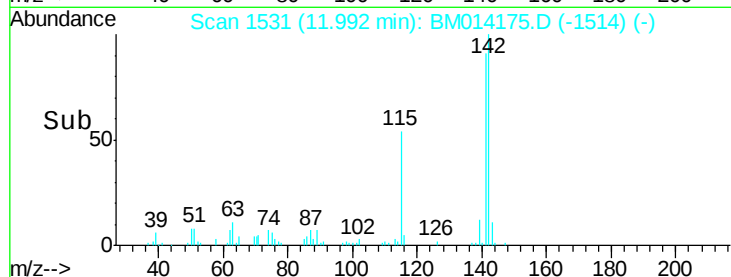
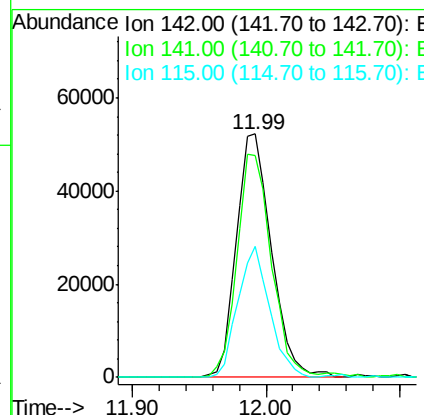
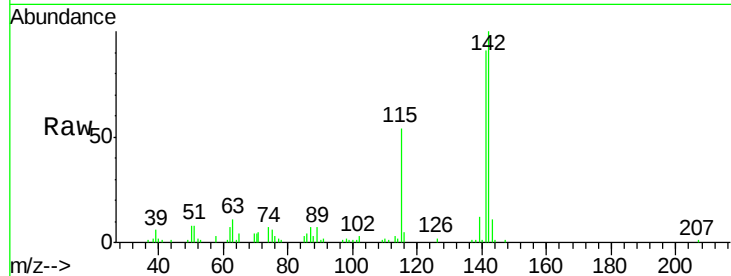
#37
2-Methylnaphthalene
Concen: 6.92 ng
RT: 11.99 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.9	107.9
115	53.6	25.4	38.0

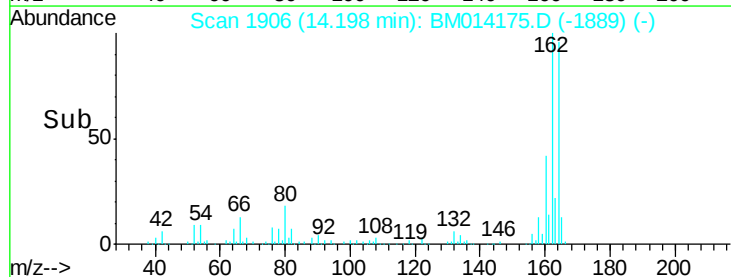
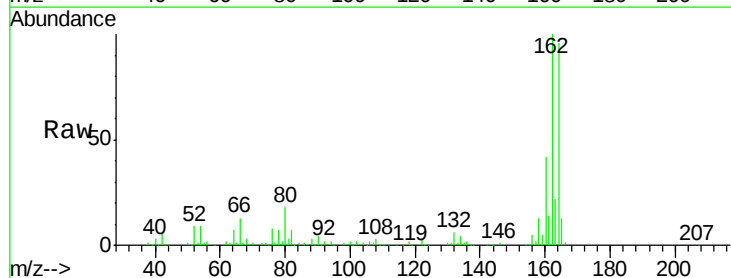
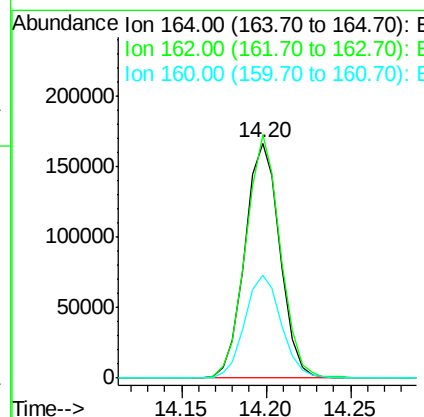
Manual Integrations
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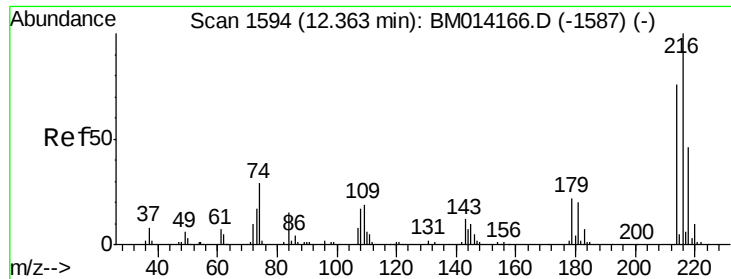
Sohil
2/8/2018 3:50:38 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.20 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.4	123.6
160	43.8	35.8	53.6





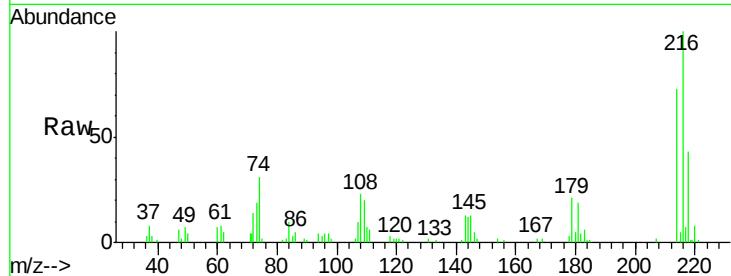
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.48 ng
 RT: 12.37 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	75.7	0.0	0.0#
179	21.7	0.0	0.0#
108	23.2	0.0	0.0#

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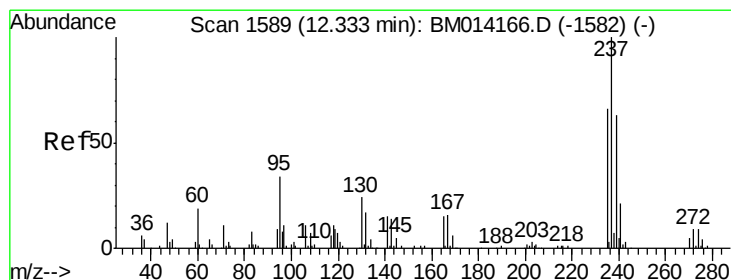
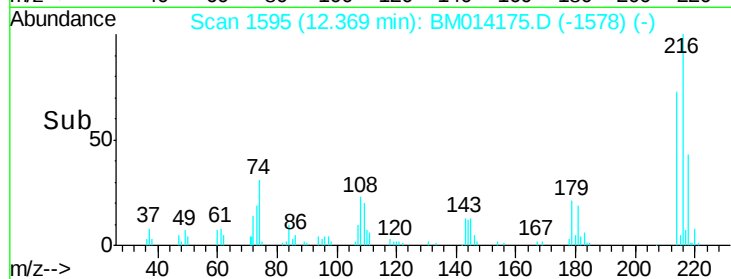
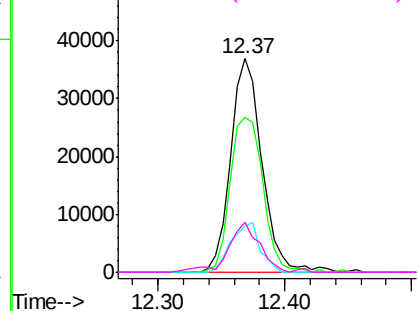


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

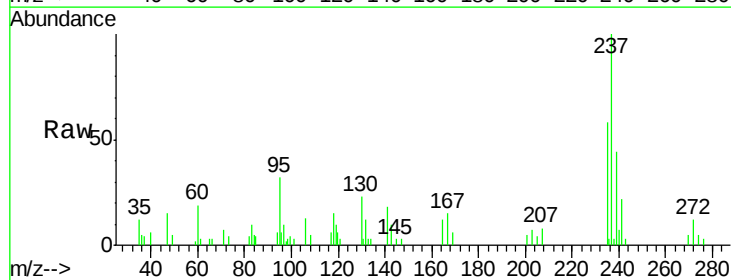
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 10.07 ng
 RT: 12.33 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

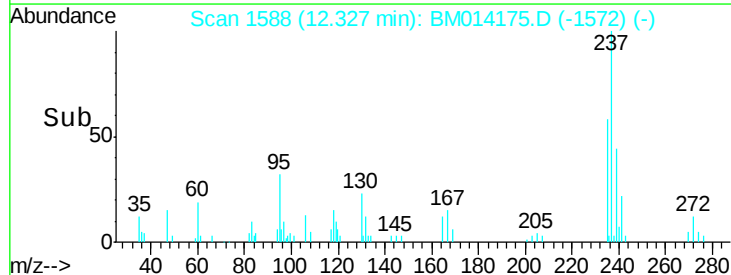
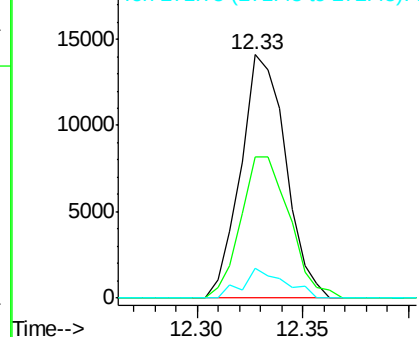
Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	57.9	42.0	82.0
272	12.2	0.0	33.4

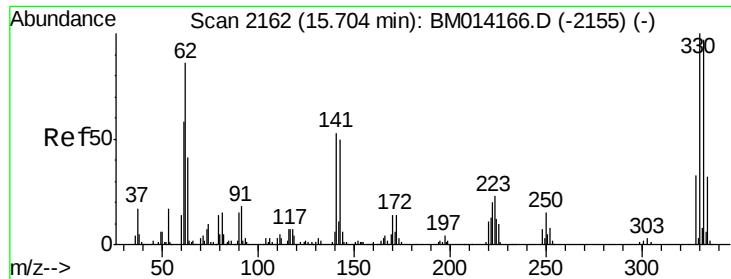


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 141.48 ng

RT: 15.70 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

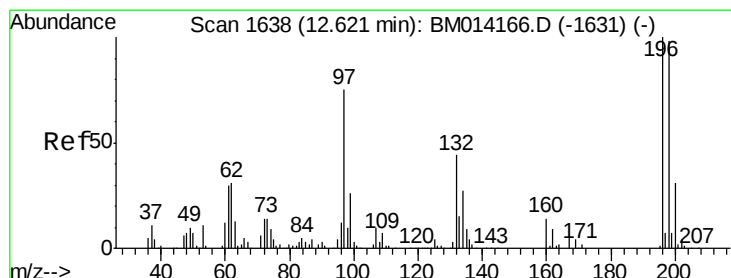
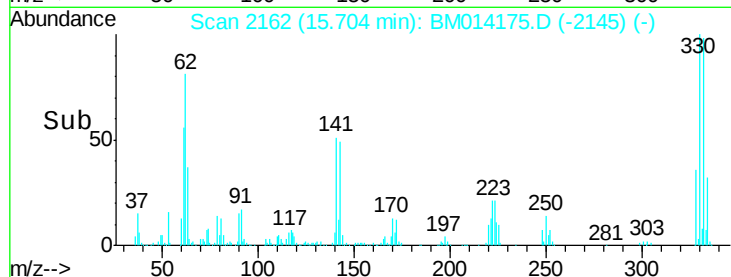
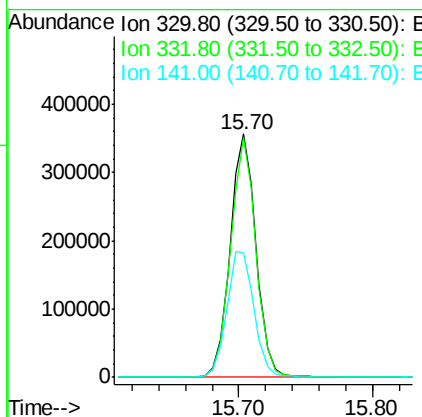
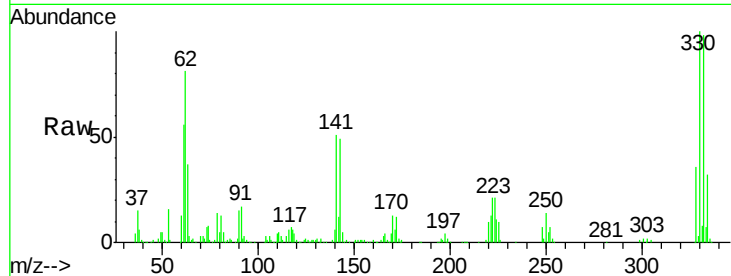
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	330	Resp:	482393
Ion Ratio		Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	54.7	0.0	0.0#

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 6.25 ng

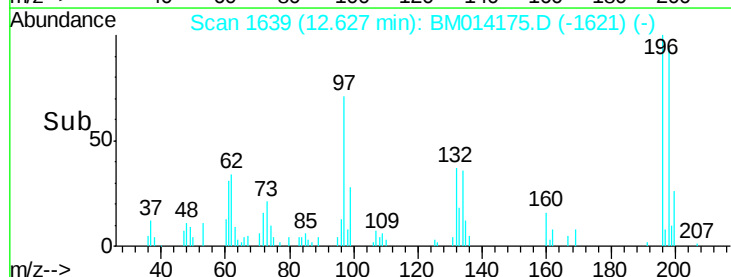
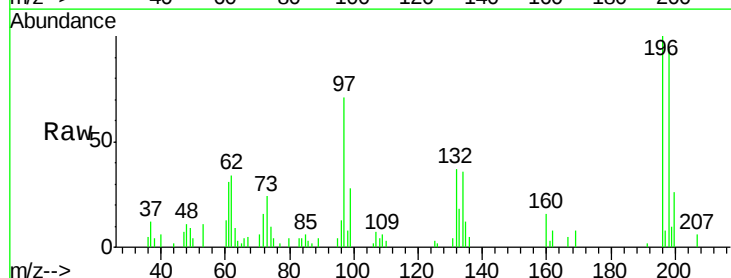
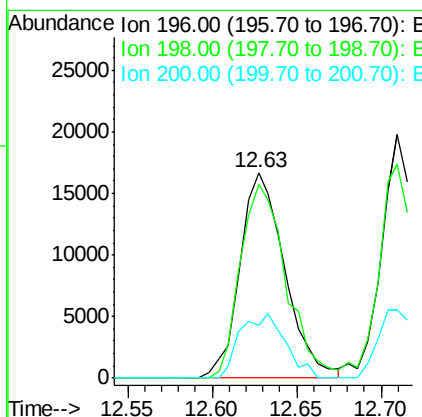
RT: 12.63 min Scan# 1639

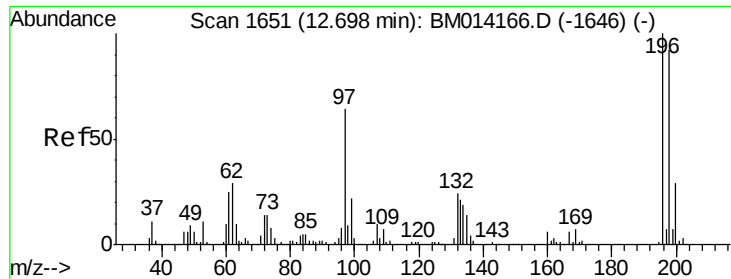
Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	196	Resp:	30898
Ion Ratio		Lower	Upper
196	100		
198	94.4	76.3	114.5
200	25.7	25.6	38.4





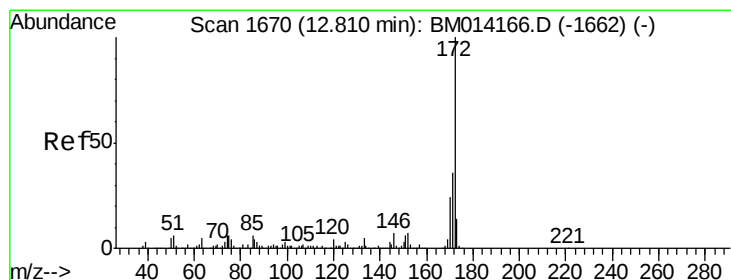
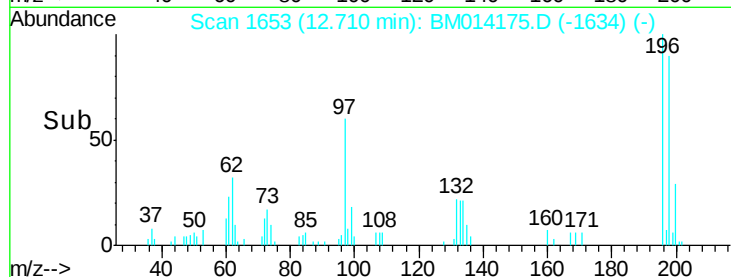
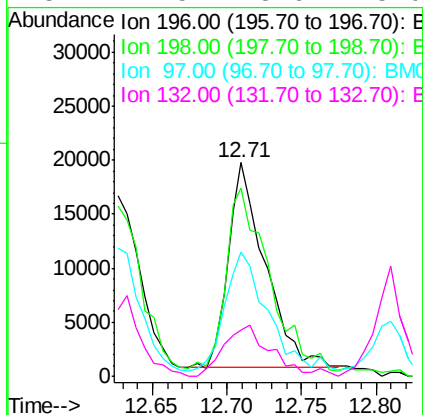
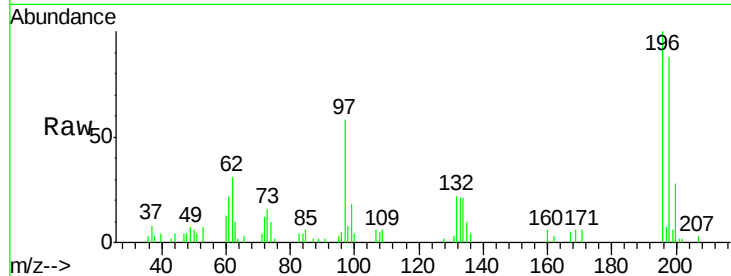
#43
2,4,5-Trichlorophenol
Concen: 5.98 ng
RT: 12.71 min Scan# 1653
Delta R.T. 0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	32674		
198	88.2	79.4	119.0	
97	58.1	26.8	40.2	
132	21.5	18.6	28.0	

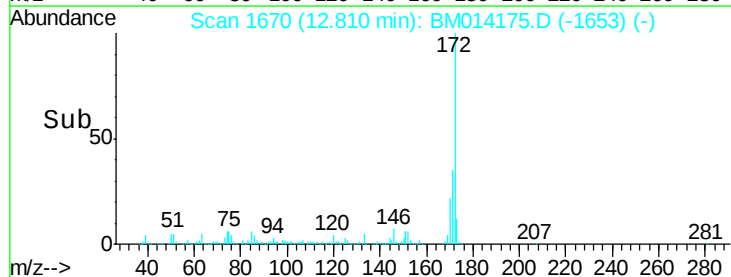
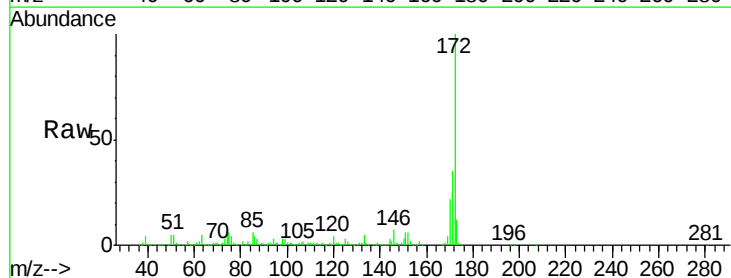
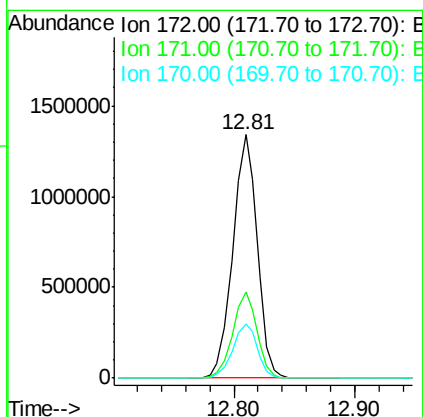
Manual Integrations
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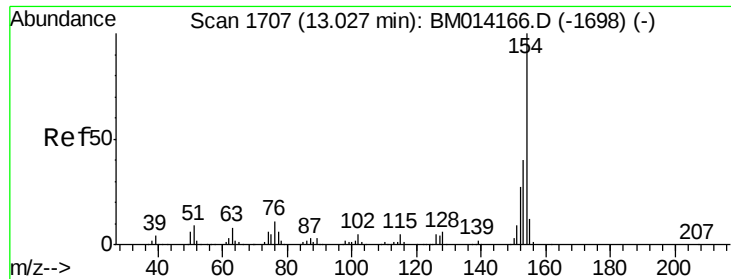
Sohil
2/8/2018 3:50:38 PM



#44
2-Fluorobiphenyl
Concen: 98.07 ng
RT: 12.81 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1887746		
171	35.2	28.5	42.7	
170	22.3	18.8	28.2	





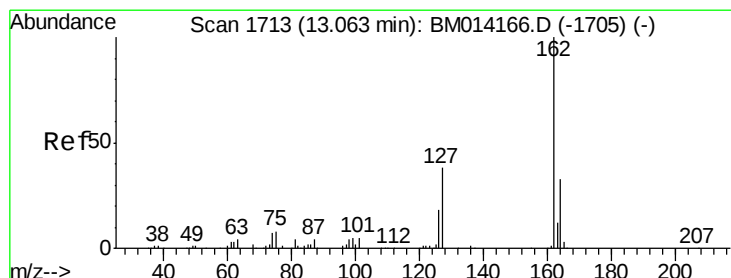
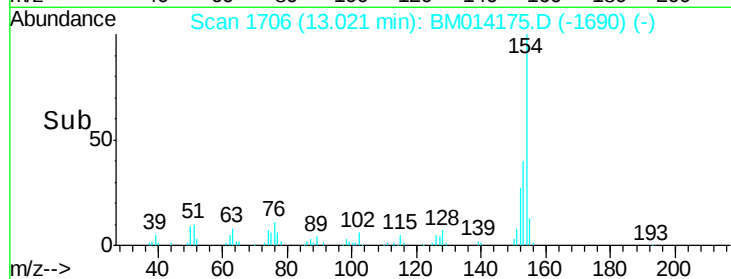
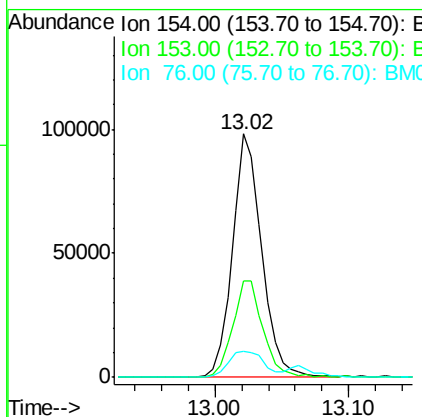
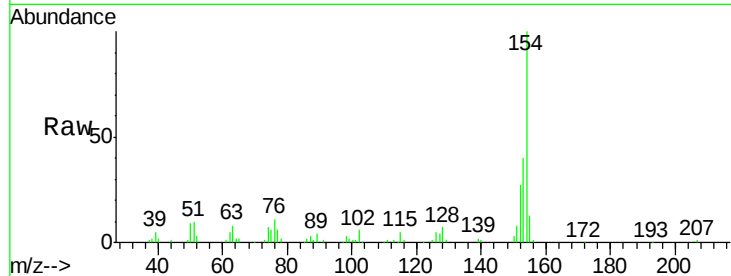
#45
 1,1'-Biphenyl
 Concen: 7.20 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.8	20.7	60.7
76	10.9	0.0	30.9

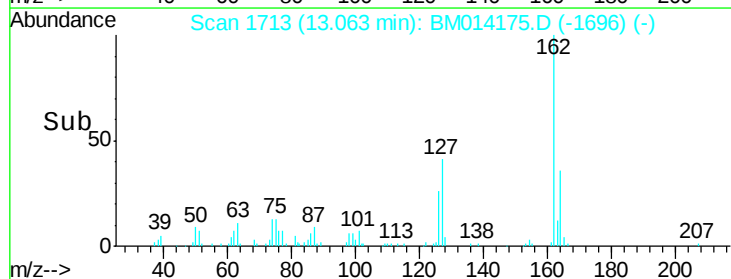
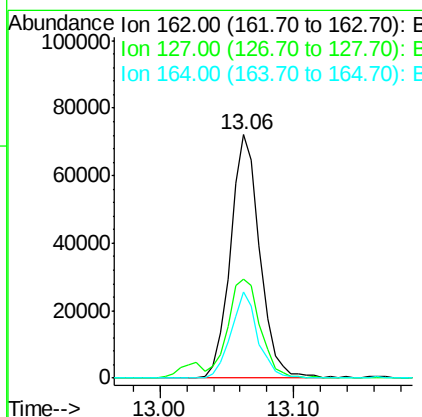
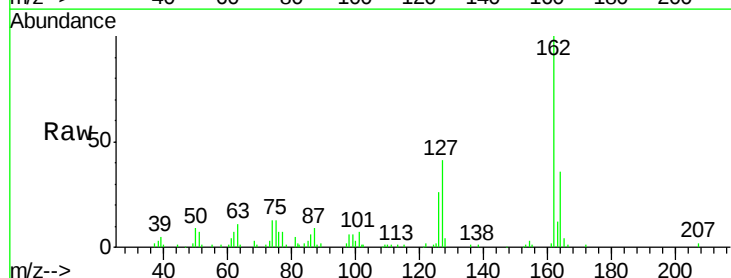
Manual Integrations
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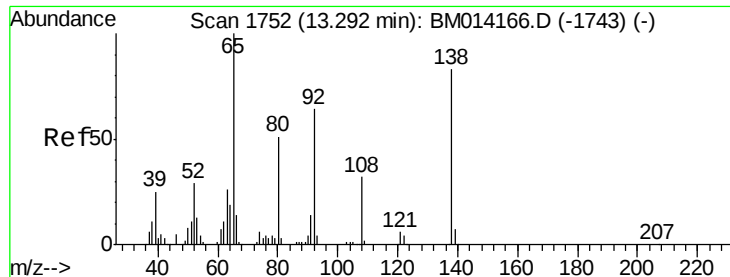
Sohil
 2/8/2018 3:50:38 PM



#46
 2-Chloronaphthalene
 Concen: 6.99 ng
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	40.8	26.9	40.3#
164	35.6	26.8	40.2





#47

2-Nitroaniline

Concen: 6.60 ng

RT: 13.30 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 65 Resp: 38358
Ion Ratio Lower Upper

65 100

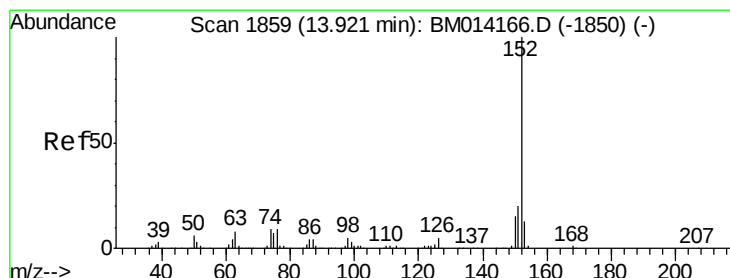
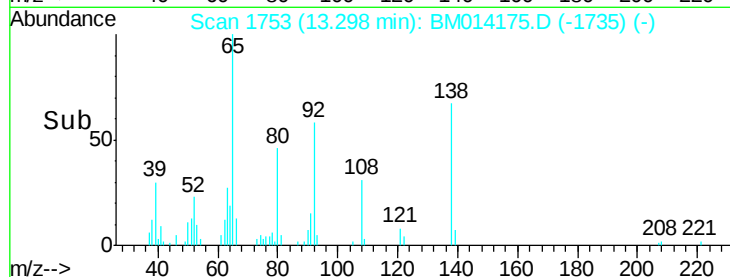
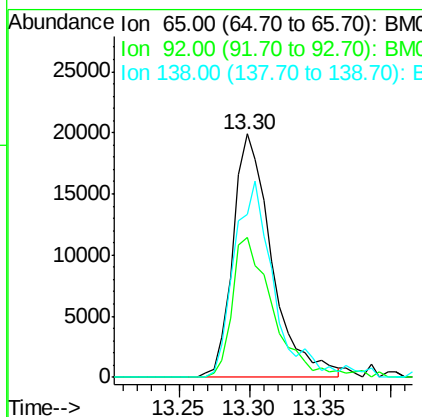
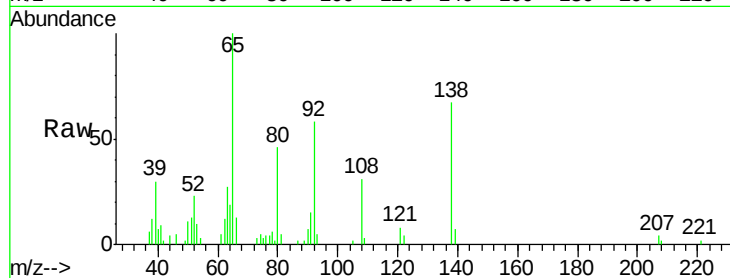
92 57.6 59.1 88.7#

138 67.2 93.9 140.9#

Manual Integrations
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#48

Acenaphthylene

Concen: 6.90 ng

RT: 13.92 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM014175.D

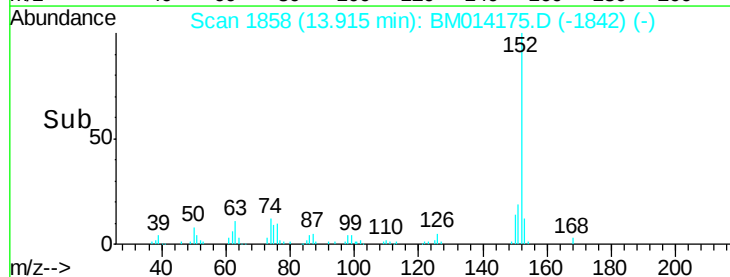
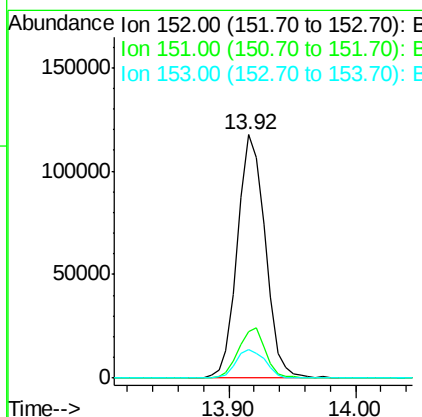
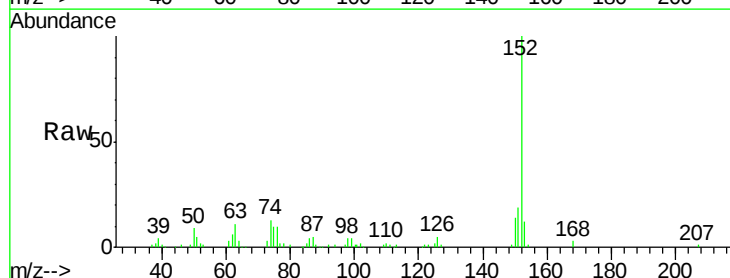
Acq: 07 Feb 2018 23:42

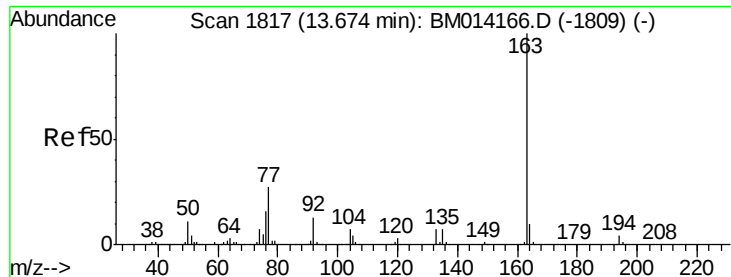
Tgt Ion: 152 Resp: 178666
Ion Ratio Lower Upper

152 100

151 19.2 15.9 23.9

153 11.9 10.6 16.0





#49

Dimethylphthalate

Concen: 7.18 ng

RT: 13.67 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

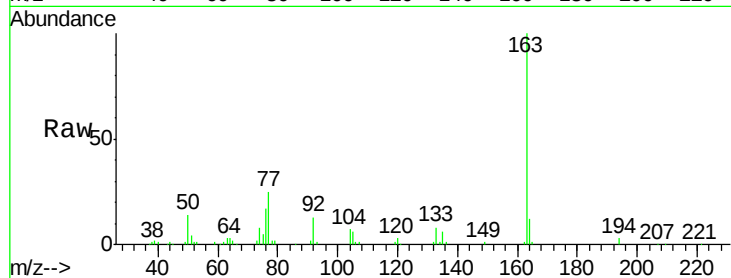
ClientSampleId :

MDL-SOIL-03-QT1-2018

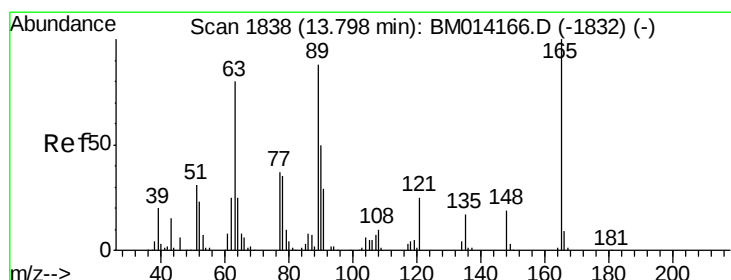
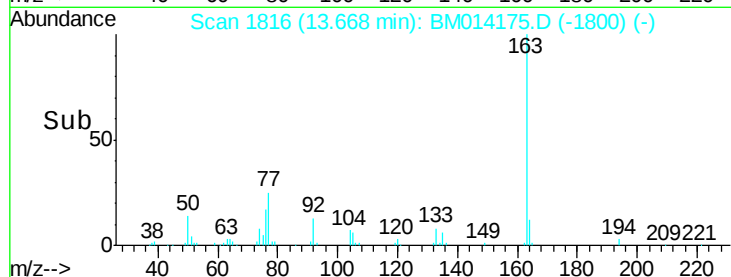
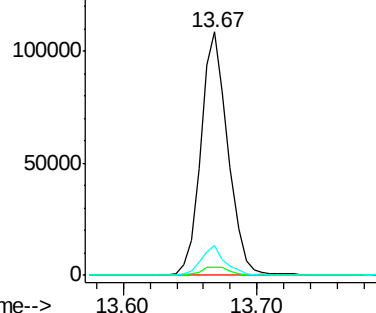
Tgt Ion:	163	Resp:	154438
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	12.2	8.2	12.2

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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: 6.94 ng

RT: 13.80 min Scan# 1838

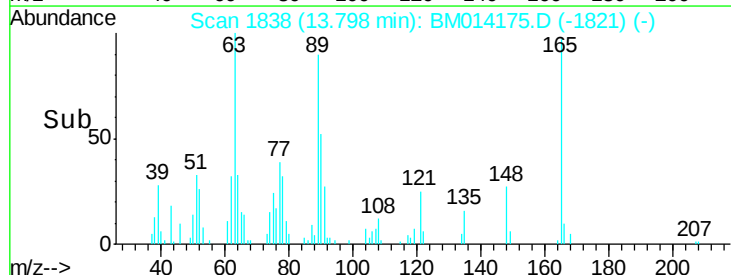
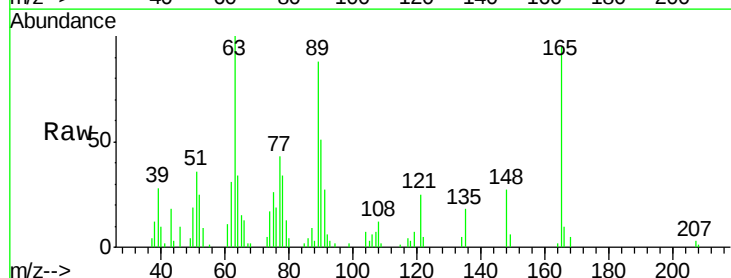
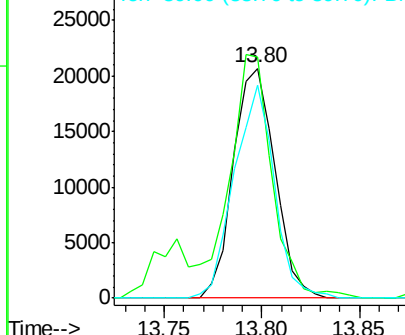
Delta R.T. -0.00 min

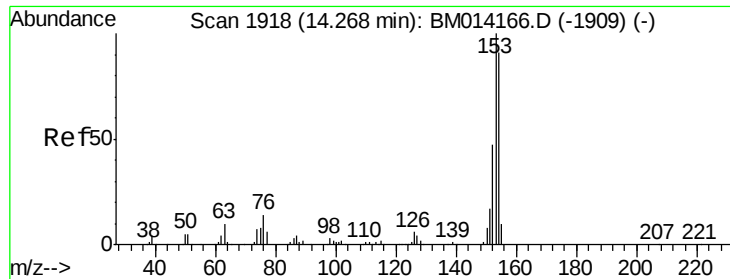
Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	165	Resp:	30626
Ion Ratio	Lower	Upper	
165	100		
63	105.1	44.1	66.1#
89	92.8	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: 7.18 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

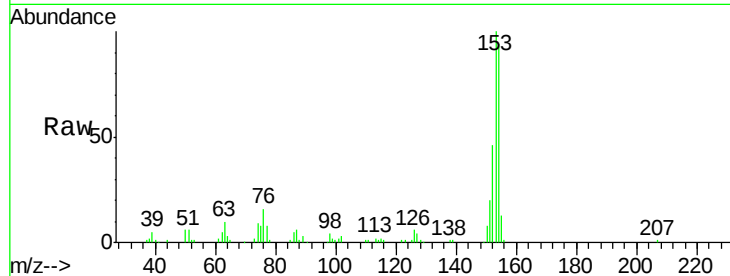
ClientSampleId :

MDL-SOIL-03-QT1-2018

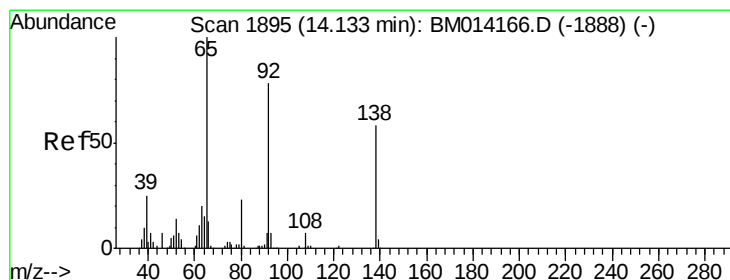
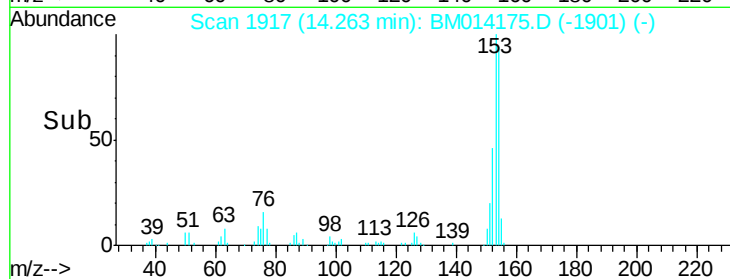
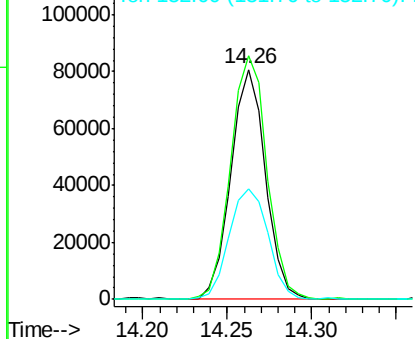
Tgt Ion:	154	Resp:	114631
Ion Ratio	Lower	Upper	
154	100		
153	105.9	90.0	135.0
152	48.4	42.6	63.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.79 ng

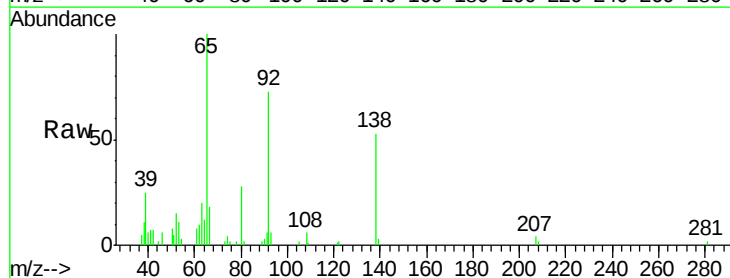
RT: 14.14 min Scan# 1896

Delta R.T. 0.01 min

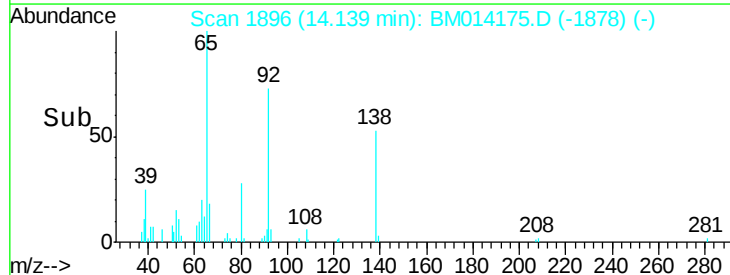
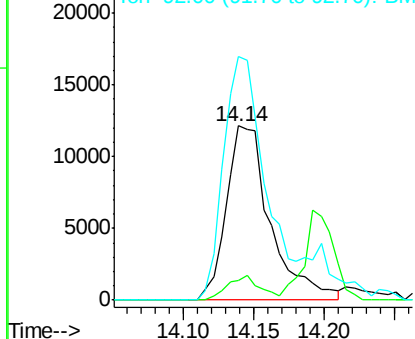
Lab File: BM014175.D

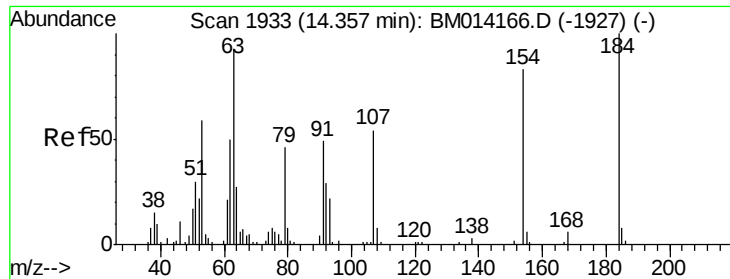
Acq: 07 Feb 2018 23:42

Tgt Ion:	138	Resp:	26432
Ion Ratio	Lower	Upper	
138	100		
108	11.3	7.3	10.9#
92	139.6	76.6	114.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM





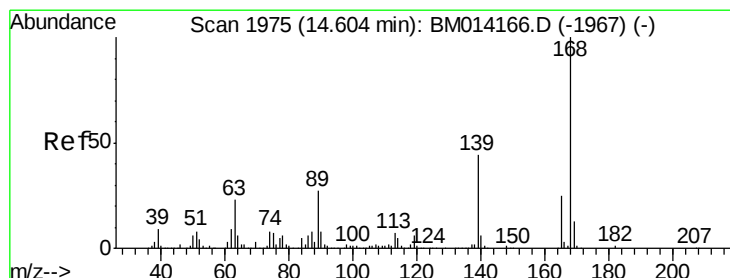
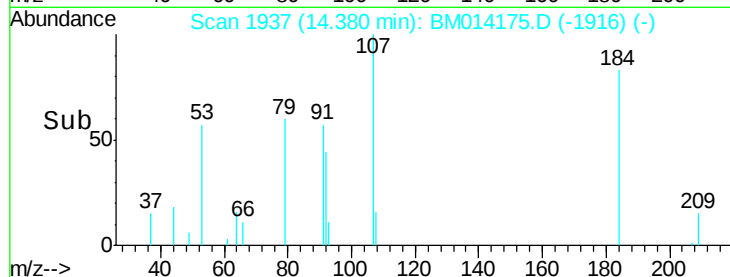
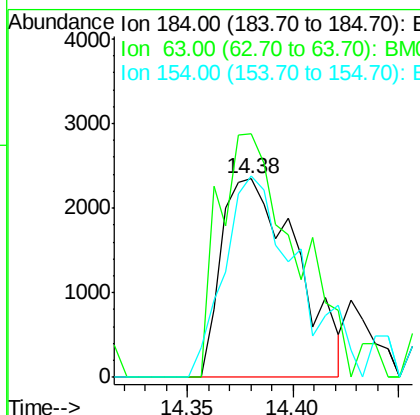
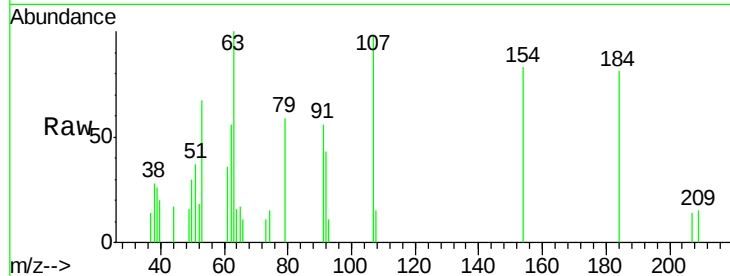
#53
2,4-Dinitrophenol
Concen: 9.77 ng
RT: 14.38 min Scan# 1937
Delta R.T. 0.02 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	5833		
63	122.8	69.2	103.8#	
154	101.4	53.3	79.9#	

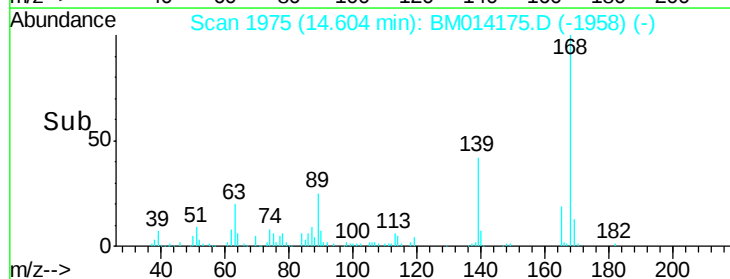
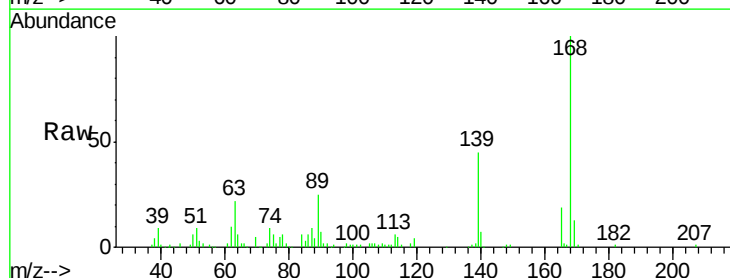
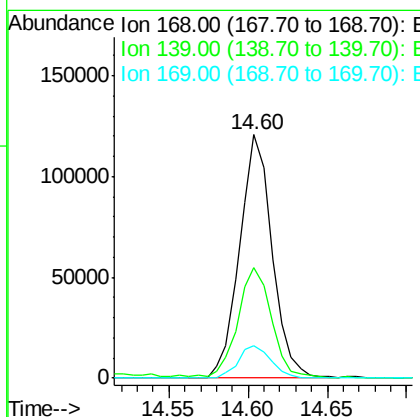
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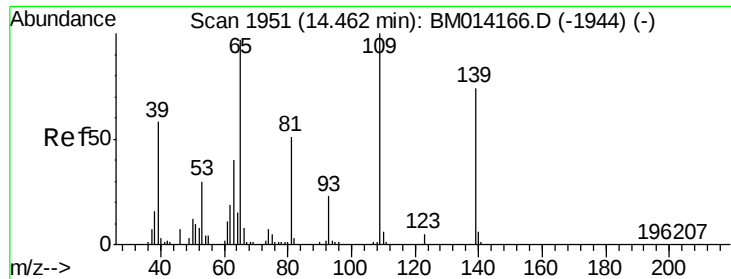
Sohil
2/8/2018 3:50:38 PM



#54
Dibenzofuran
Concen: 6.90 ng
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	172288		
139	45.2	27.3	40.9#	
169	13.2	10.6	16.0	





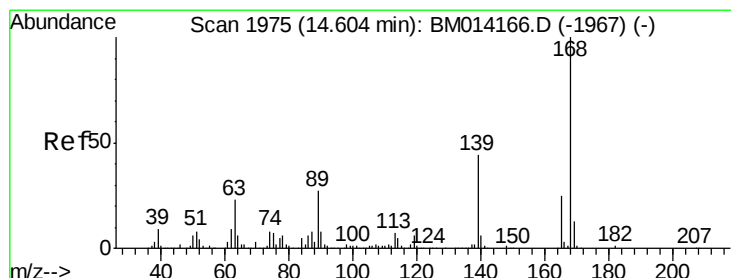
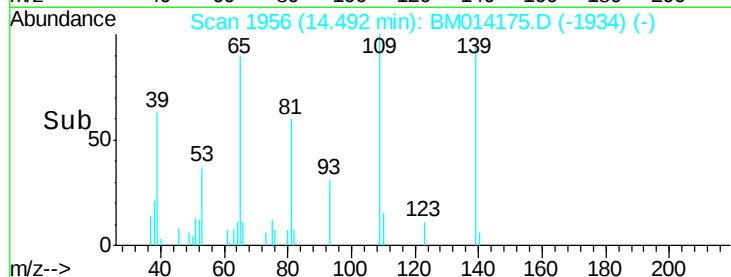
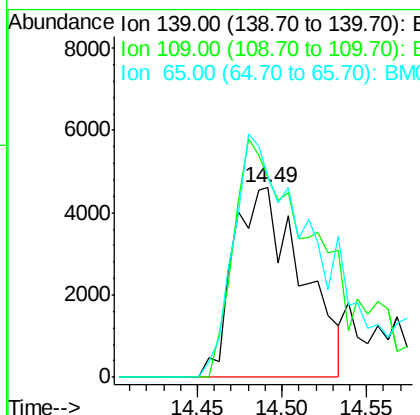
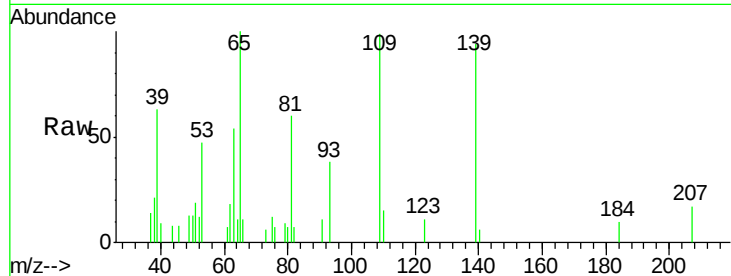
#55
4-Nitrophenol
Concen: 9.10 ng
RT: 14.49 min Scan# 1956
Delta R.T. 0.03 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	105.7	12900	130.0	170.0#
65	106.2		130.0	170.0#

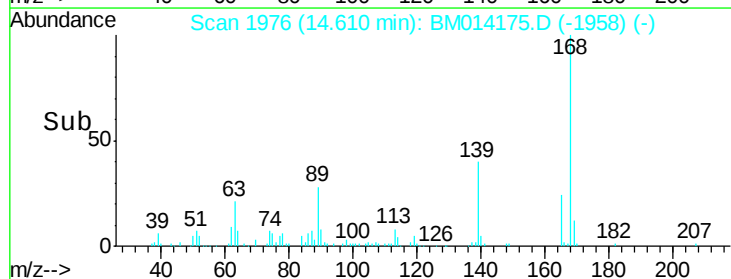
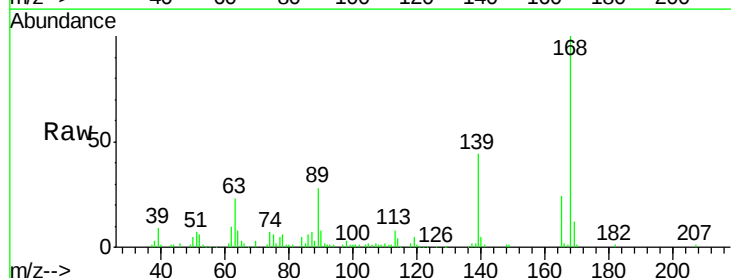
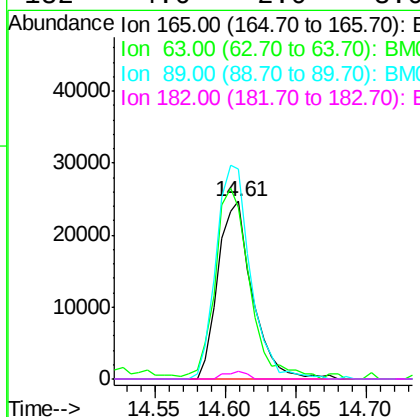
Manual Integrations
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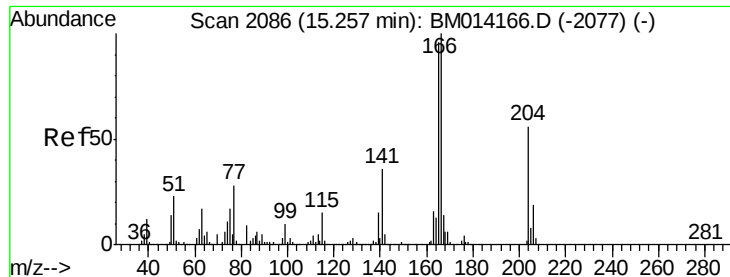
Sohil
2/8/2018 3:50:38 PM



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 14.61 min Scan# 1976
Delta R.T. 0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	41864		
63	97.0		52.4	78.6#
89	118.2		72.4	108.6#
182	4.6		2.0	3.0#





#57

Fluorene

Concen: 7.04 ng

RT: 15.26 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

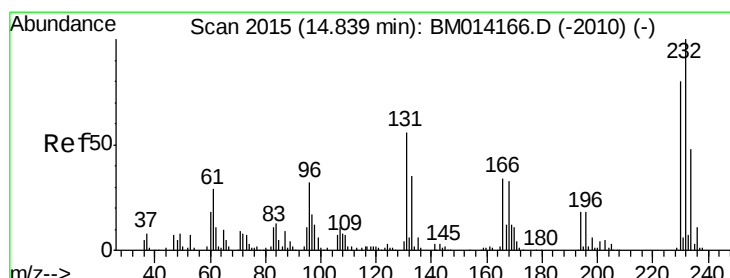
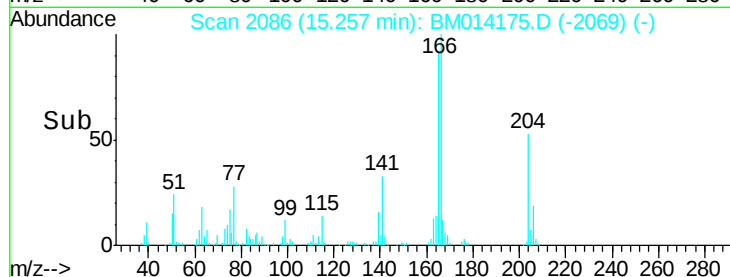
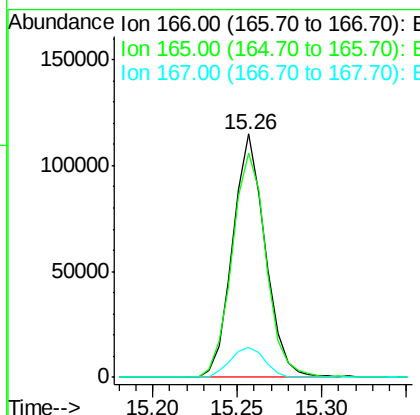
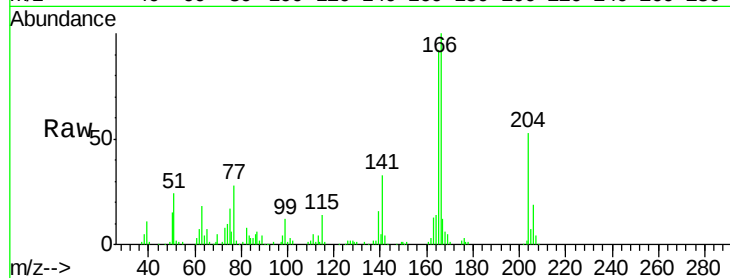
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	166	Resp:	154502
Ion Ratio	Lower	Upper	
166	100		
165	92.2	79.0	118.4
167	12.3	10.3	15.5

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2/8/2018 3:50:38 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 6.67 ng

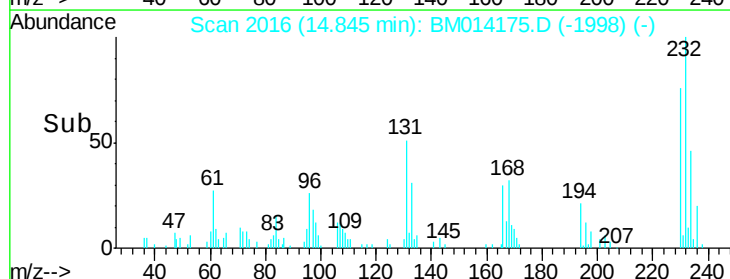
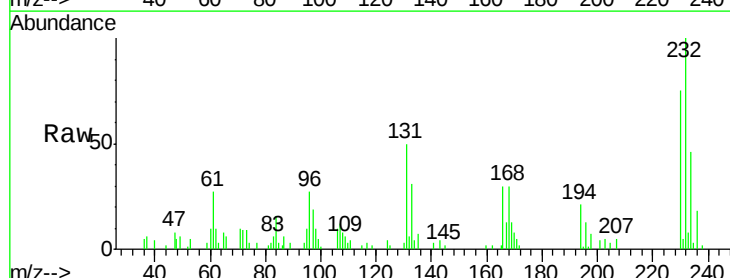
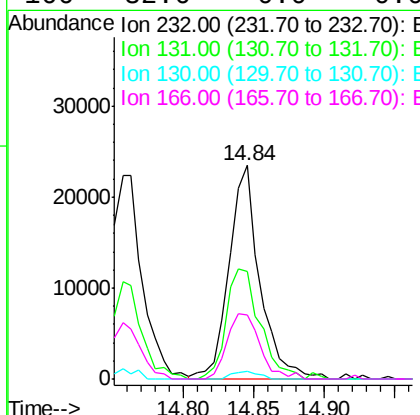
RT: 14.84 min Scan# 2016

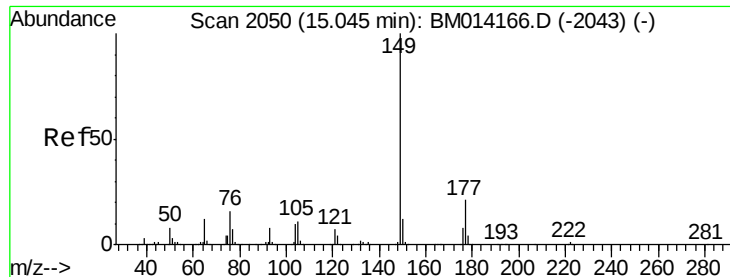
Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	232	Resp:	35868
Ion Ratio	Lower	Upper	
232	100		
131	55.9	0.0	0.0#
130	3.0	0.0	0.0#
166	32.6	0.0	0.0#





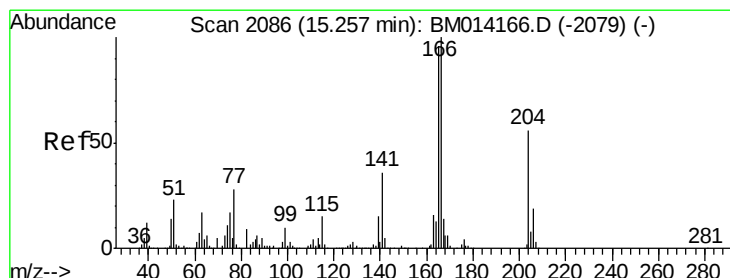
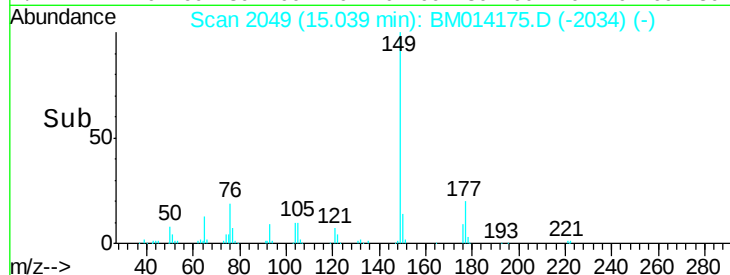
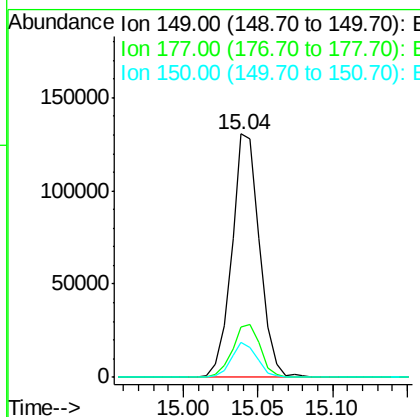
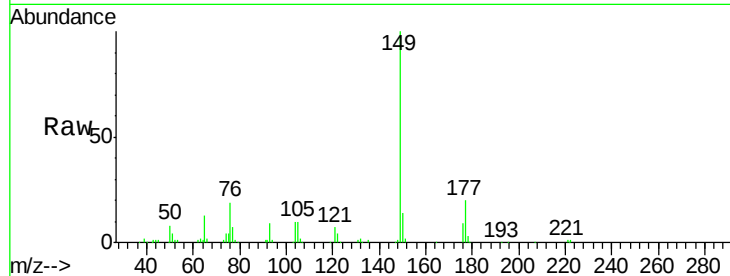
#59
Diethylphthalate
Concen: 7.13 ng
RT: 15.04 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	170186		
177	20.4	18.3	27.5	
150	14.2	9.8	14.8	

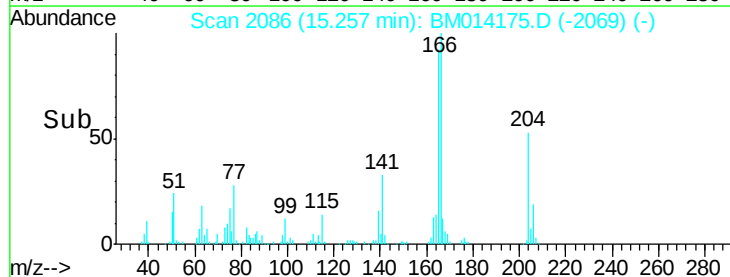
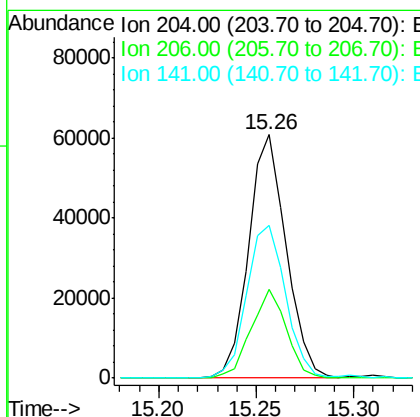
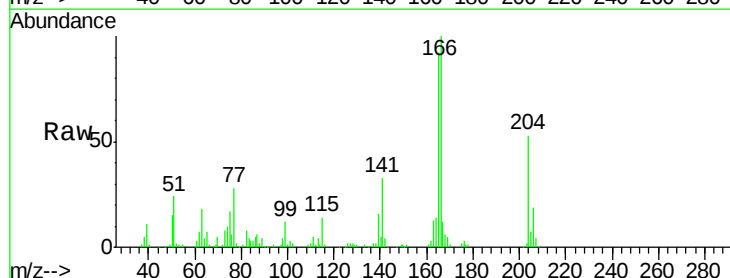
Manual Integrations
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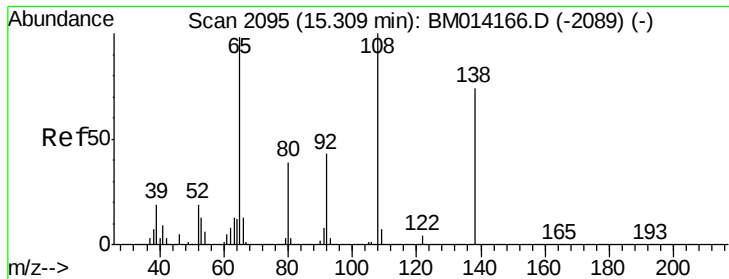
Sohil
2/8/2018 3:50:38 PM



#60
4-Chlorophenyl-phenylether
Concen: 7.10 ng
RT: 15.26 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	81052		
206	36.4	26.6	39.8	
141	62.5	45.2	67.8	





#61

4-Nitroaniline

Concen: 5.48 ng

RT: 15.32 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

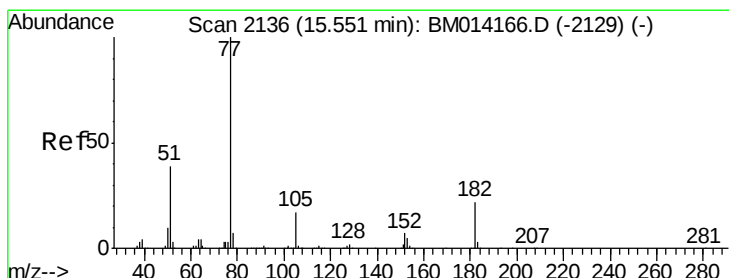
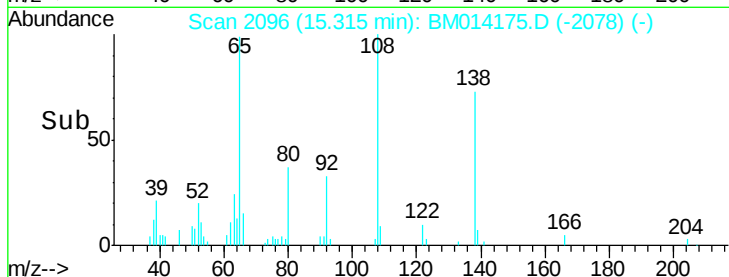
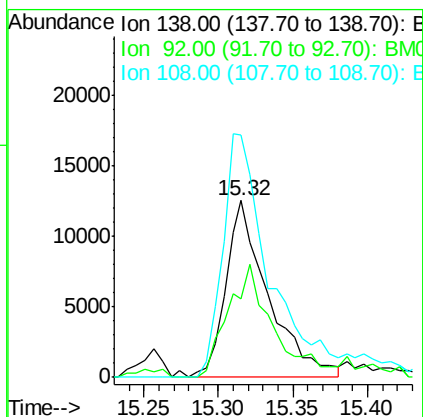
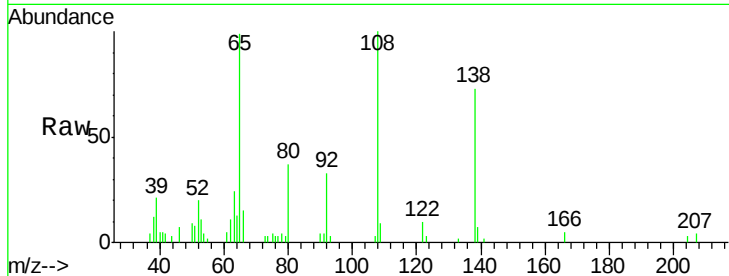
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	25022		
92	44.6	16.7	56.7	
108	137.2	37.6	77.6#	

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2/8/2018 3:50:38 PM



#62

Azobenzene

Concen: 7.13 ng

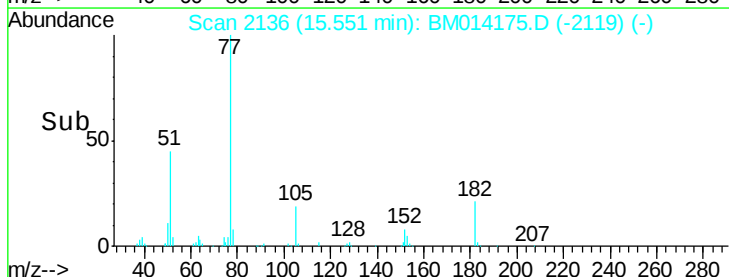
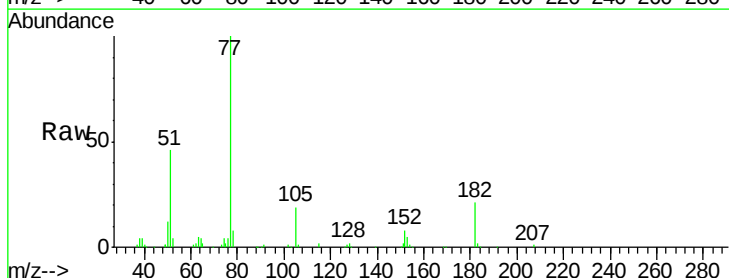
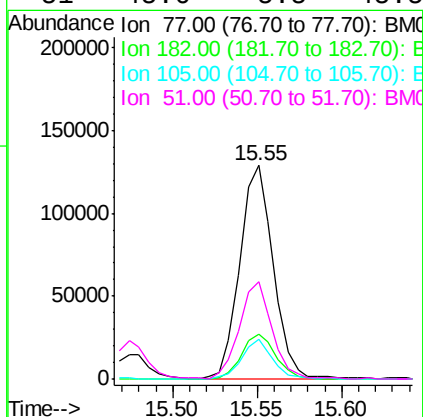
RT: 15.55 min Scan# 2136

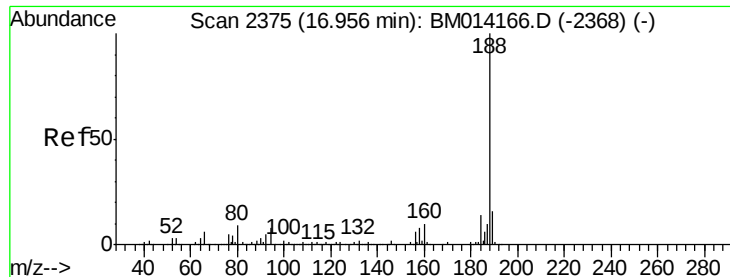
Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	176844		
182	21.1	6.5	46.5	
105	18.8	3.8	43.8	
51	45.6	5.5	45.5#	





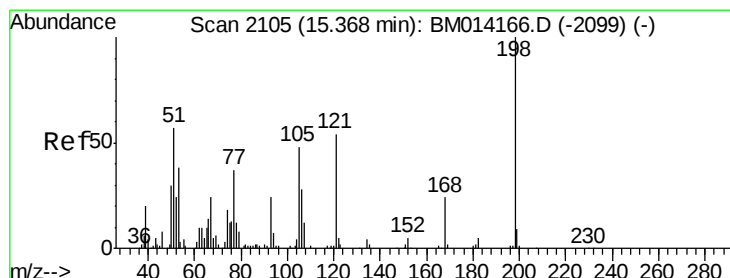
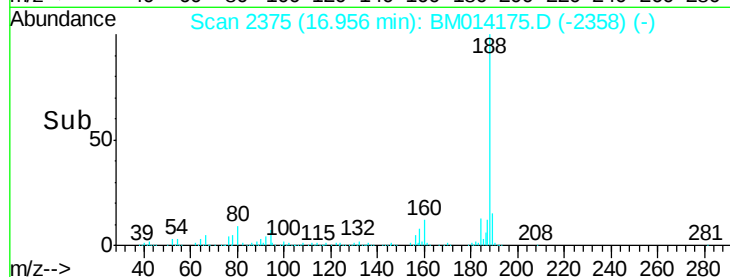
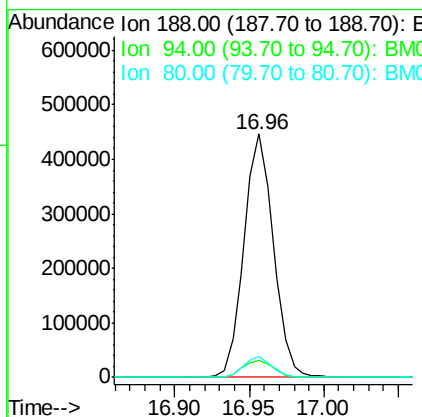
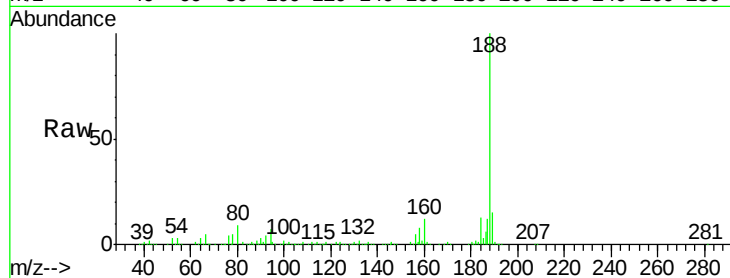
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	8.7	13.1#
80	8.7	9.3	13.9#

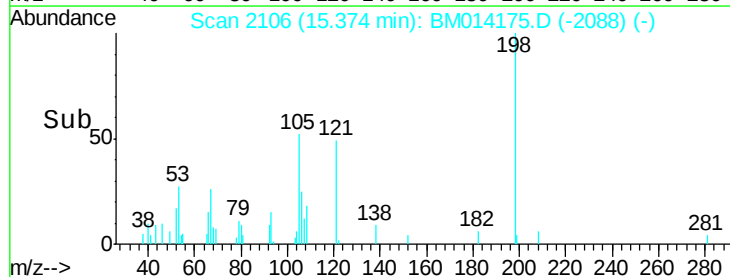
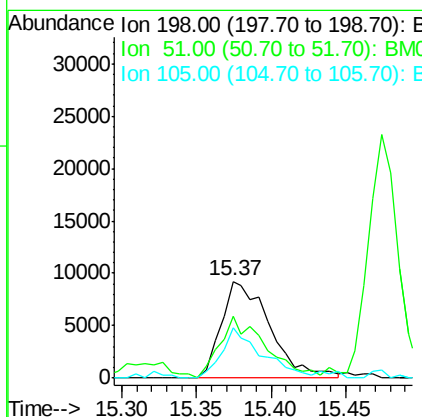
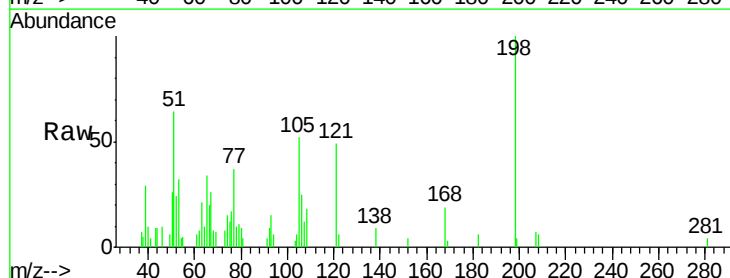
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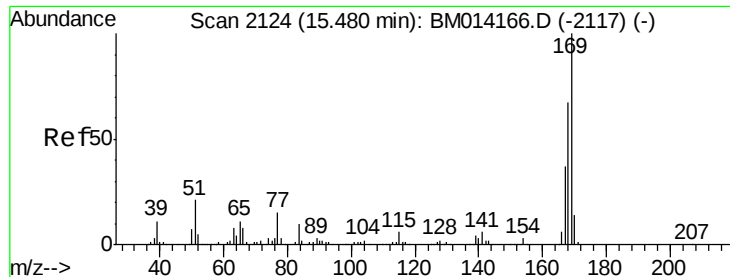
Sohil
2/8/2018 3:50:38 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 9.98 ng
RT: 15.37 min Scan# 2106
Delta R.T. 0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	64.1	28.8	68.8
105	51.6	30.5	70.5





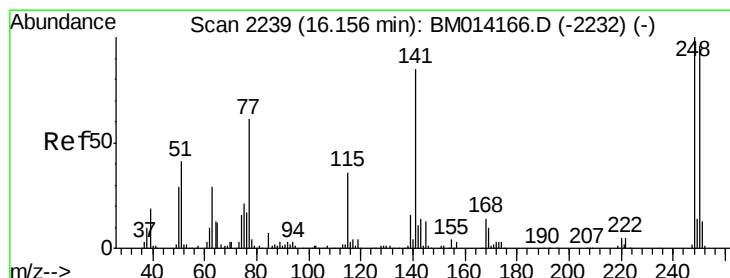
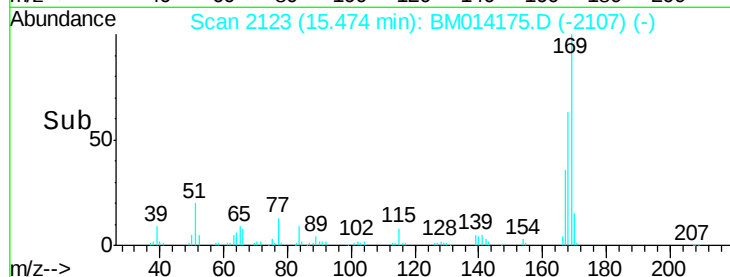
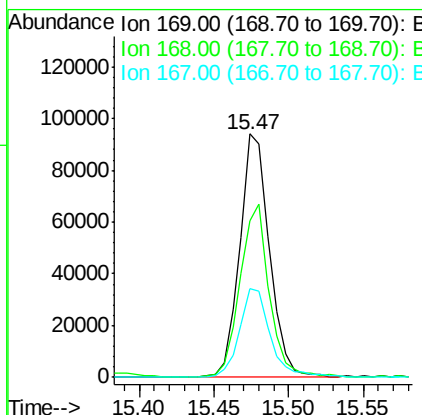
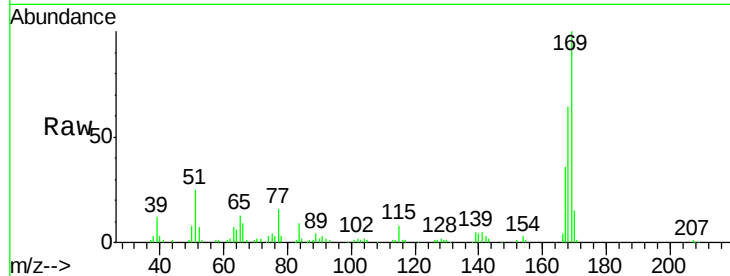
#65
n-Nitrosodiphenylamine
Concen: 6.73 ng
RT: 15.47 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	129702		
168	64.5	53.9	80.9	
167	36.5	28.9	43.3	

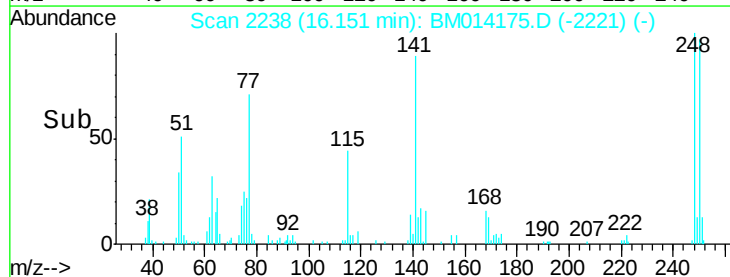
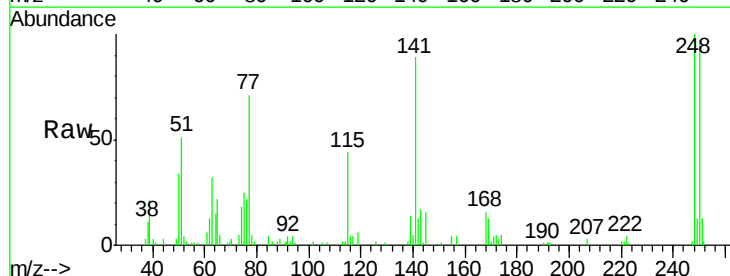
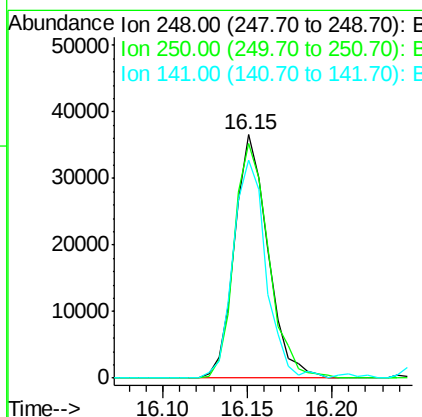
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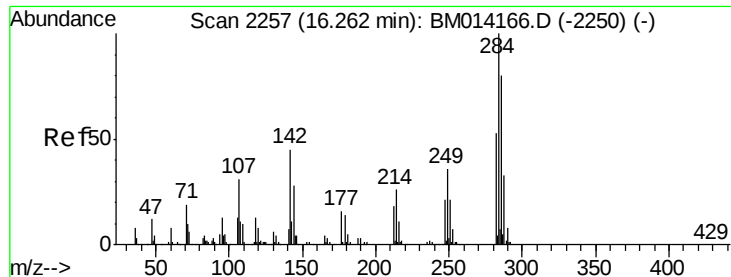
Sohil
2/8/2018 3:50:38 PM



#66
4-Bromophenyl-phenylether
Concen: 7.04 ng
RT: 16.15 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	50333		
250	96.5	77.4	116.0	
141	89.4	45.2	67.8	





#67

Hexachlorobenzene

Concen: 7.27 ng

RT: 16.26 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

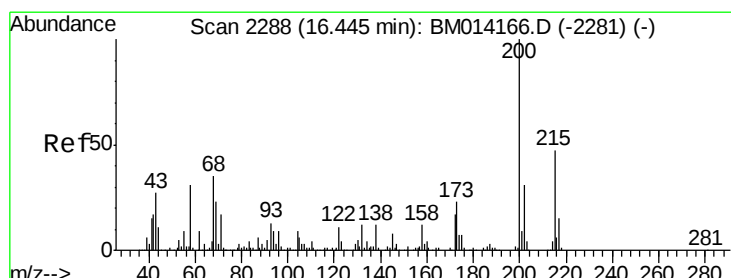
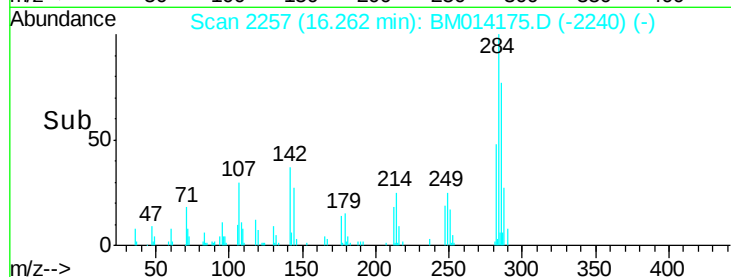
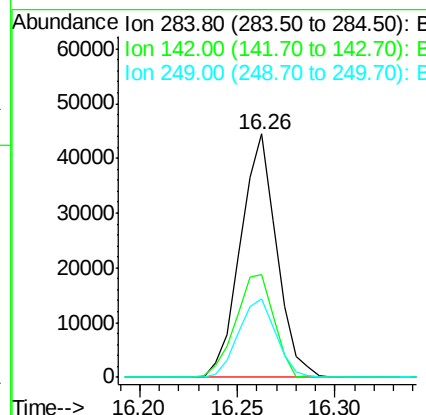
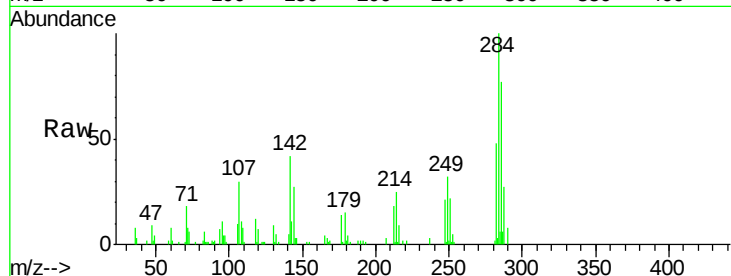
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	284	Resp:	57065
Ion Ratio	Lower	Upper	
284	100		
142	42.0	20.4	30.6#
249	32.0	23.8	35.6

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2/8/2018 3:50:38 PM



#68

Atrazine

Concen: 5.80 ng

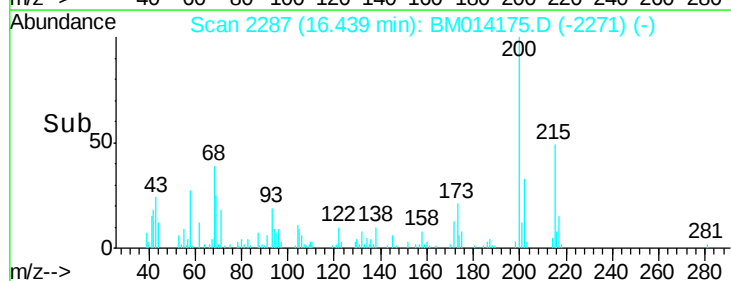
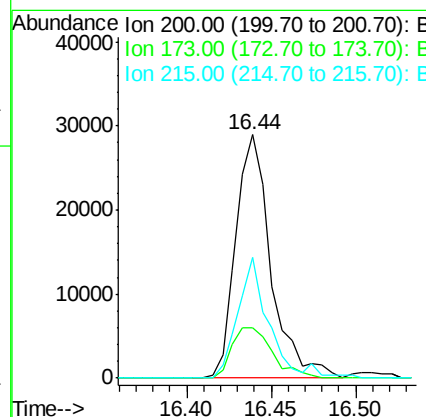
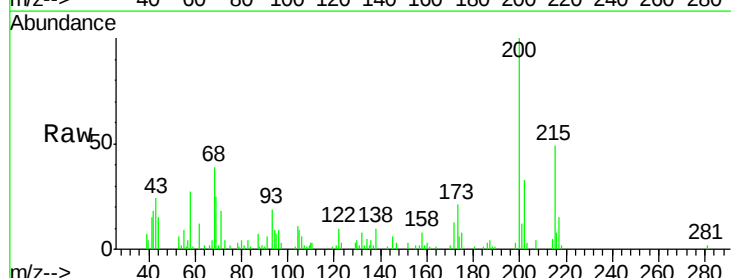
RT: 16.44 min Scan# 2287

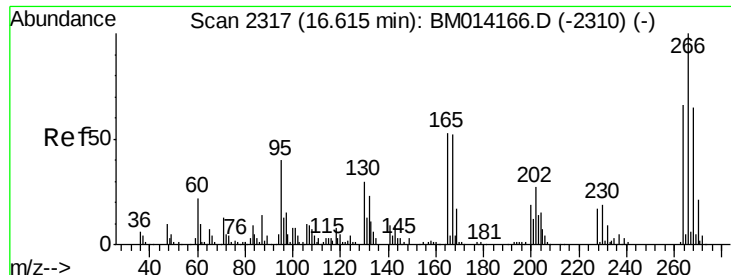
Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	200	Resp:	41923
Ion Ratio	Lower	Upper	
200	100		
173	20.9	4.8	44.8
215	49.5	26.9	66.9





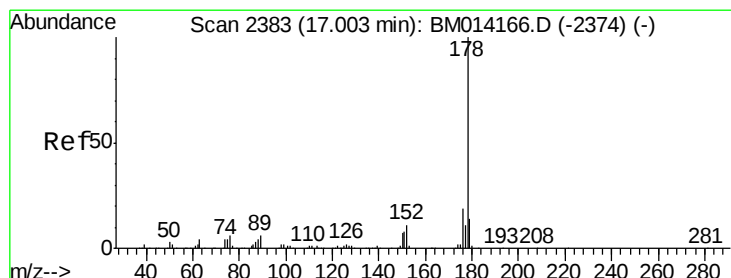
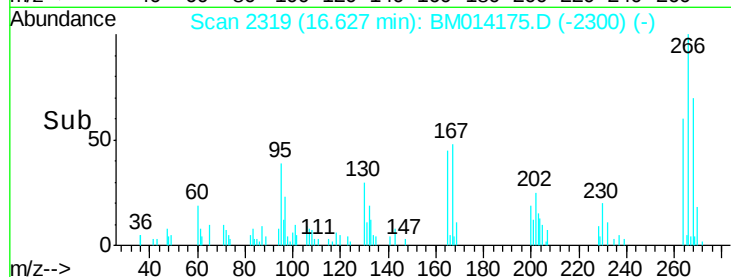
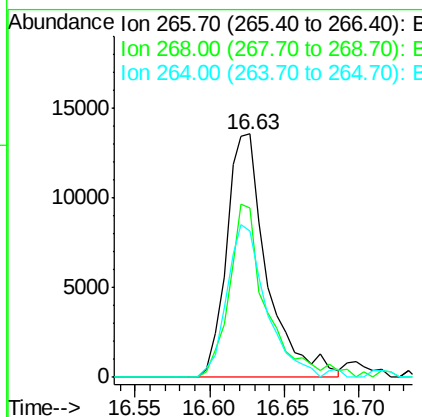
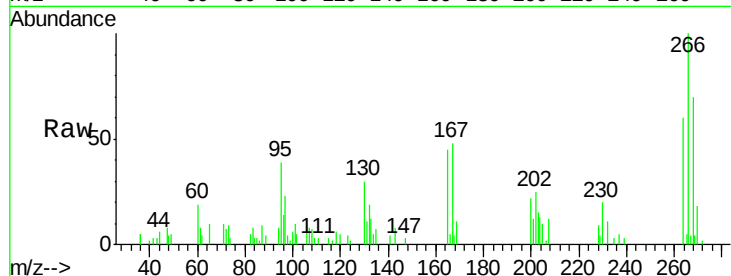
#69
 Pentachlorophenol
 Concen: 10.35 ng
 RT: 16.63 min Scan# 2319
 Delta R.T. 0.01 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	25632		
268	69.8	52.0	78.0	
264	60.4	49.0	73.4	

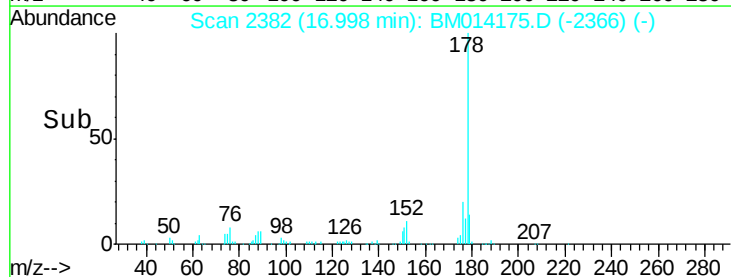
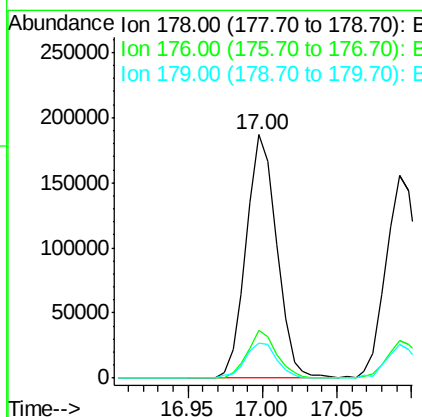
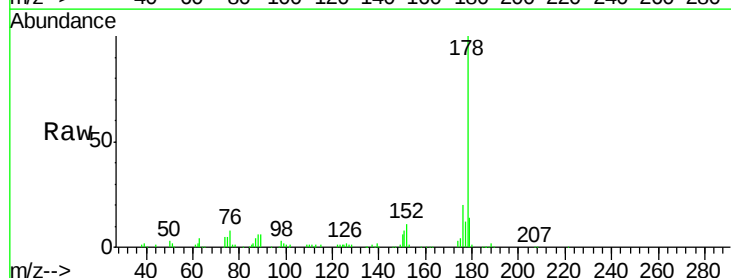
Manual Integrations
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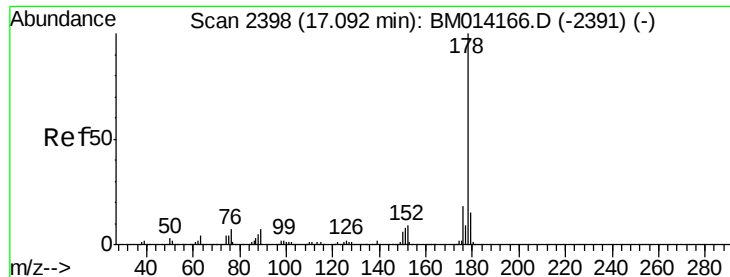
Sohil
 2/8/2018 3:50:38 PM



#70
 Phenanthrene
 Concen: 7.22 ng
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.01 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	265749		
176	19.5	15.2	22.8	
179	14.2	12.1	18.1	





#71

Anthracene

Concen: 6.94 ng

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

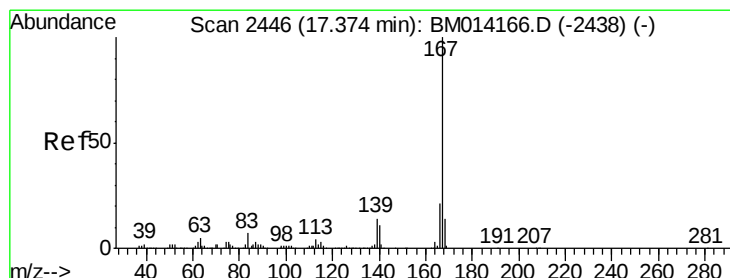
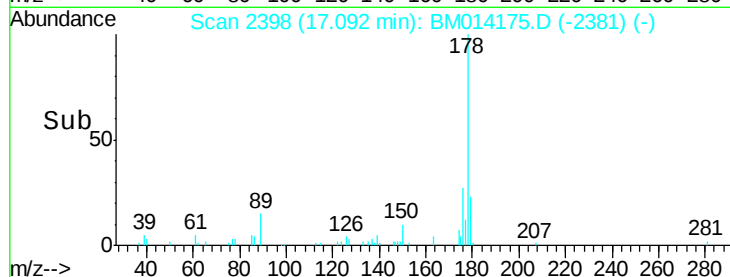
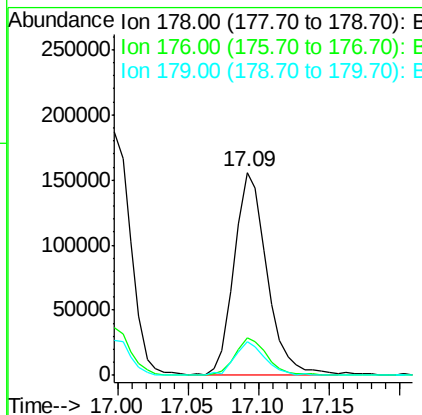
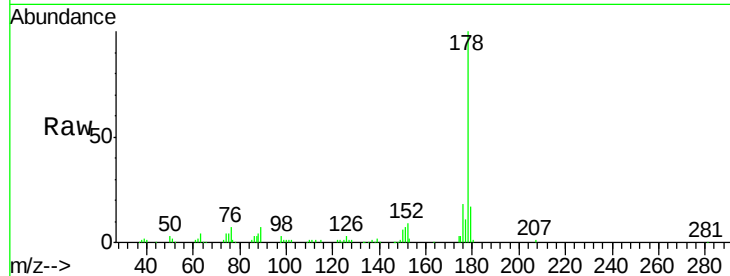
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	178	Resp:	248887
Ion Ratio		Lower	Upper
178	100		
176	18.5	14.6	22.0
179	16.8	12.6	19.0

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2/8/2018 3:50:38 PM



#72

Carbazole

Concen: 6.65 ng

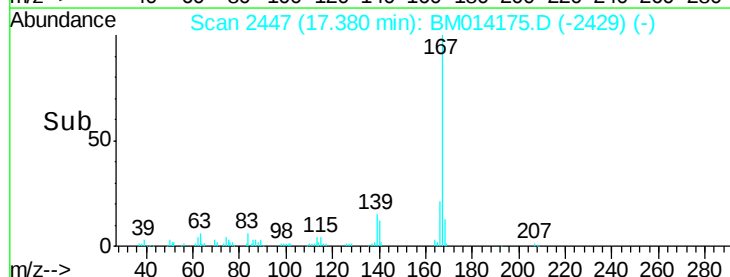
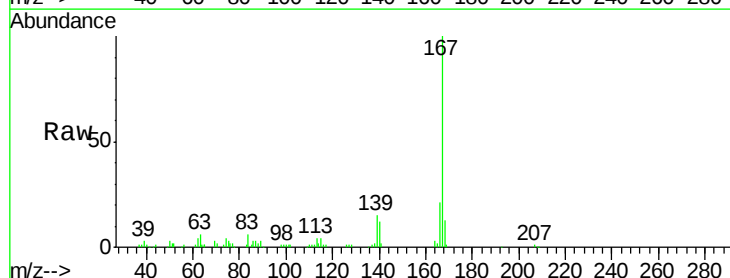
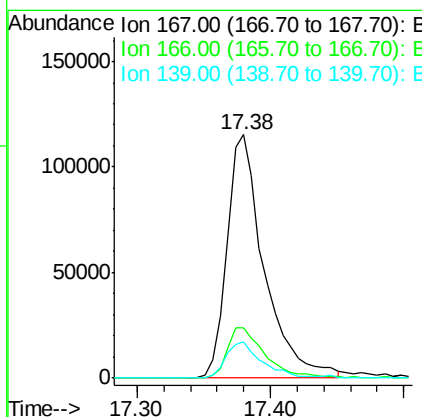
RT: 17.38 min Scan# 2447

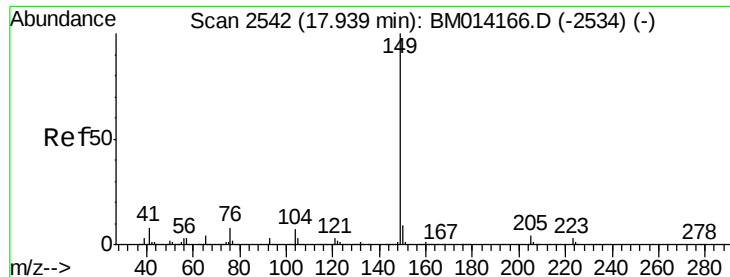
Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	167	Resp:	224167
Ion Ratio		Lower	Upper
167	100		
166	20.7	17.2	25.8
139	14.6	10.8	16.2





#73

Di-n-butylphthalate

Concen: 6.82 ng

RT: 17.93 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

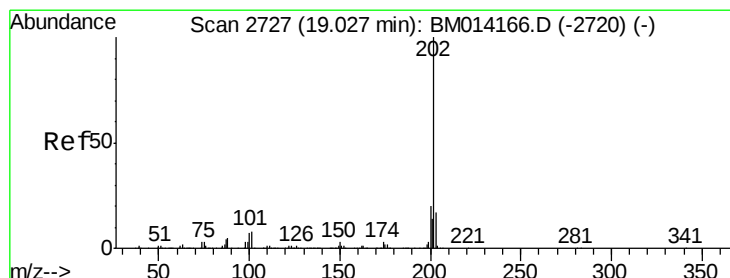
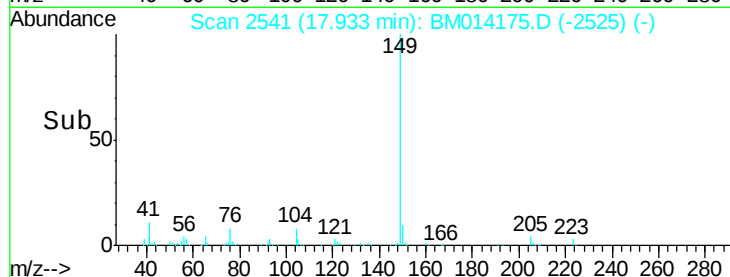
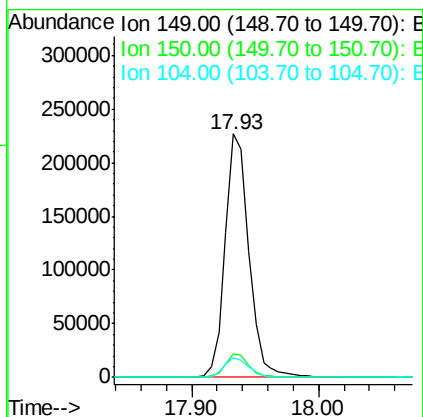
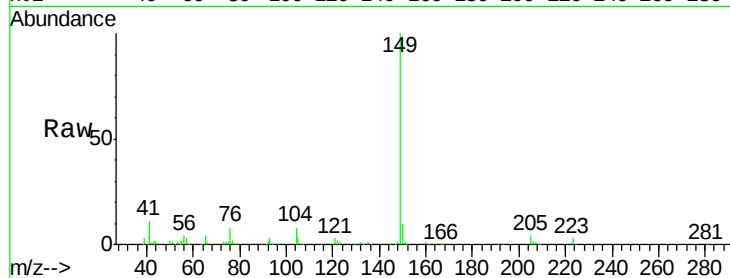
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion:	149	Resp:	294219
Ion Ratio		Lower	Upper
149	100		
150	9.6	7.5	11.3
104	8.2	3.7	5.5

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2/8/2018 3:50:38 PM



#74

Fluoranthene

Concen: 7.35 ng

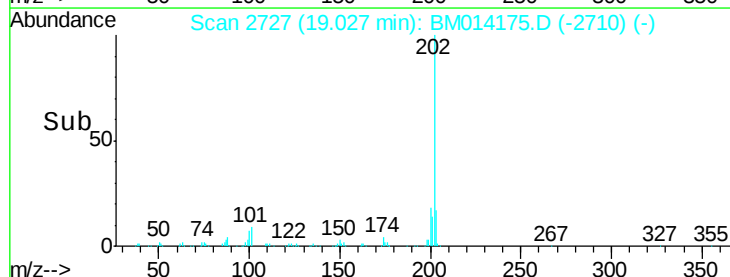
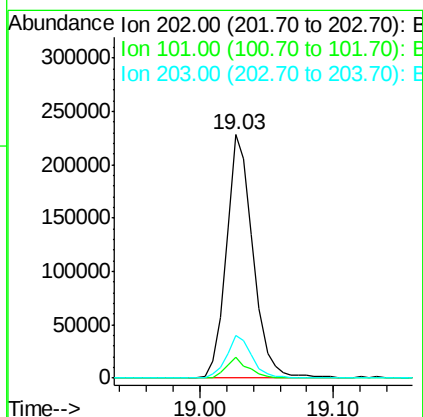
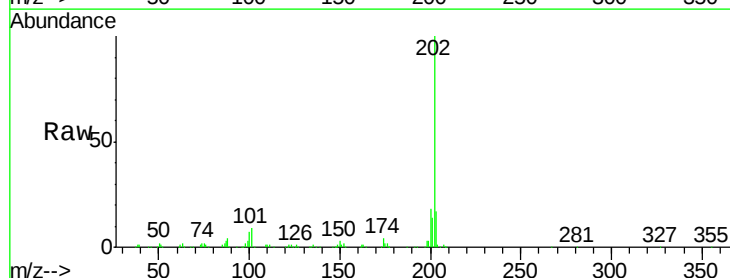
RT: 19.03 min Scan# 2727

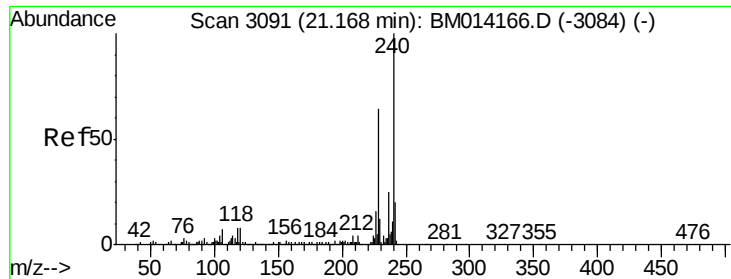
Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	202	Resp:	318312
Ion Ratio		Lower	Upper
202	100		
101	8.8	0.0	28.7
203	17.3	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: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

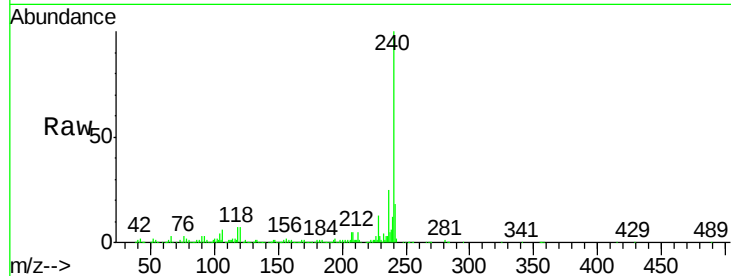
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	738576		
120	7.2	8.2	12.2#	
236	24.5	20.0	30.0	

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.16

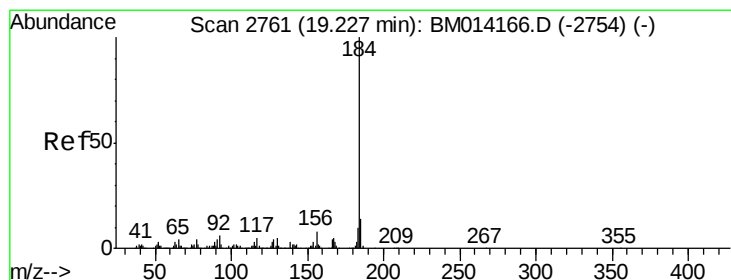
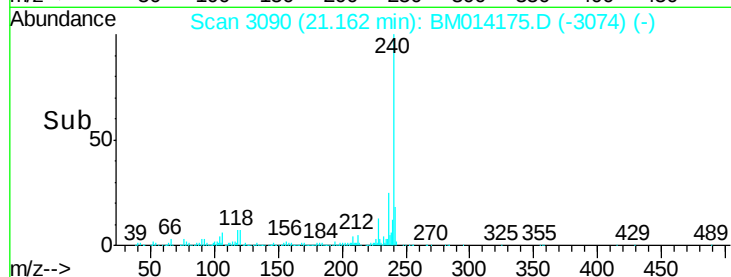
600000

400000

200000

0

Time-->



#76

Benzidine

Concen: 2.81 ng

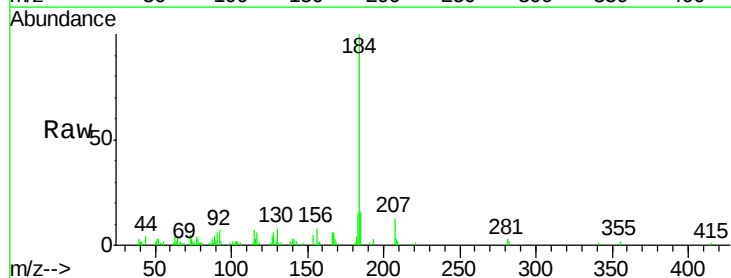
RT: 19.23 min Scan# 2762

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	61832		
185	15.9	11.3	16.9	
183	14.7	8.9	13.3#	



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

19.23

40000

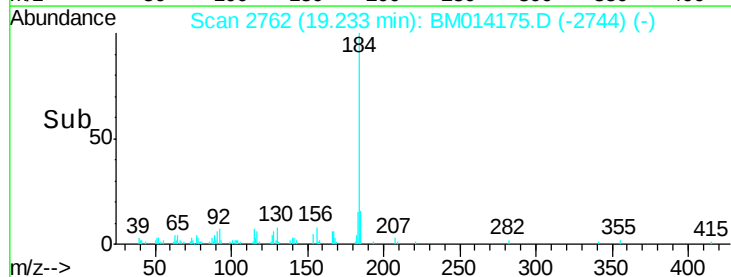
30000

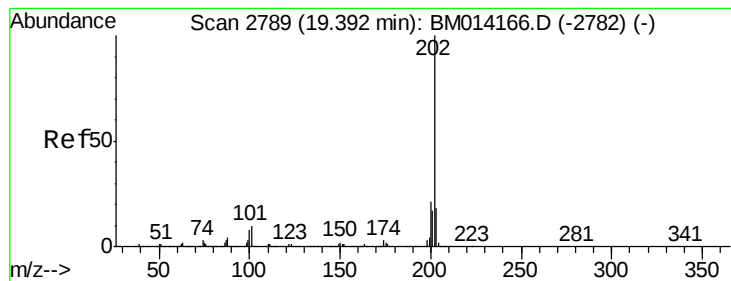
20000

10000

0

Time-->





#77

Pyrene

Concen: 6.57 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

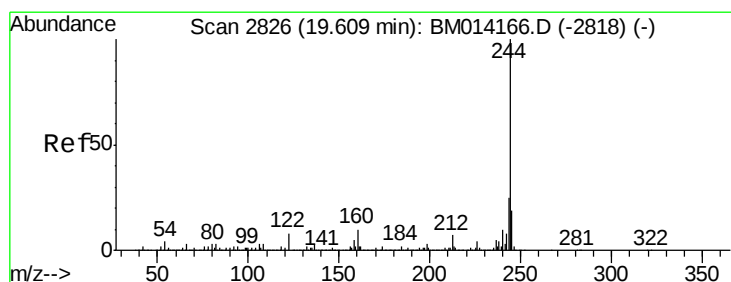
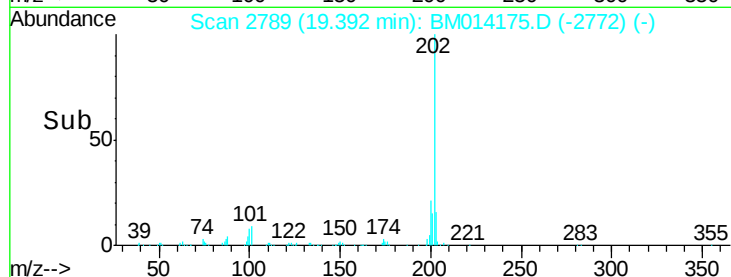
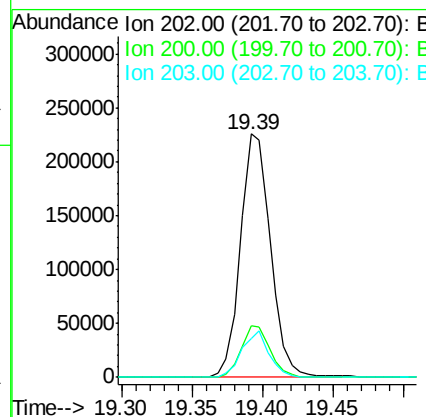
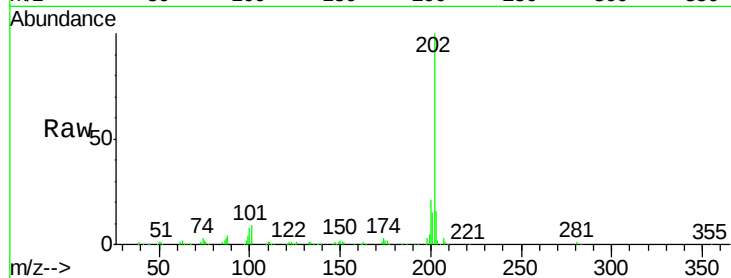
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	16.9	25.3	
203	15.7	14.1	21.1	

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#78

Terphenyl-d14

Concen: 95.15 ng

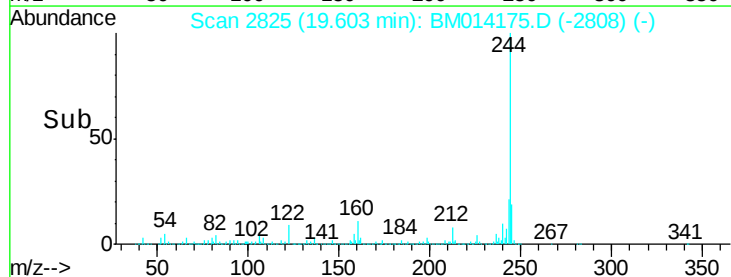
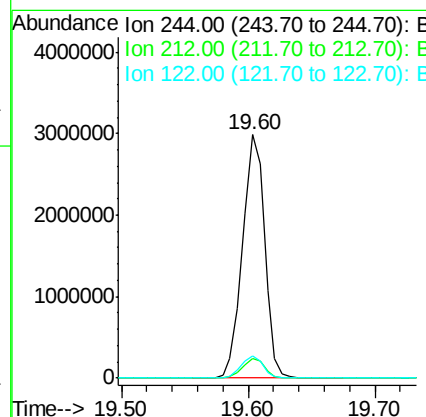
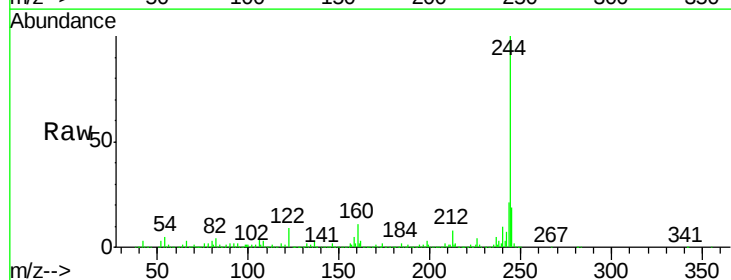
RT: 19.60 min Scan# 2825

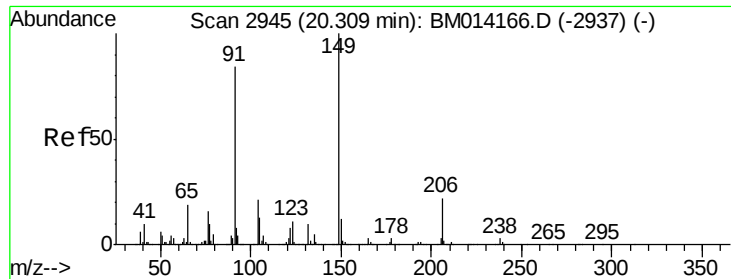
Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.3	4.9	7.3#	
122	9.1	6.2	9.4	





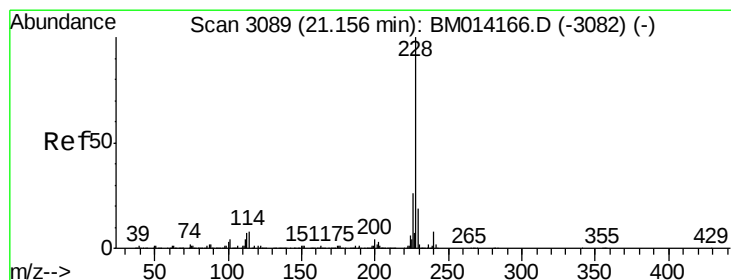
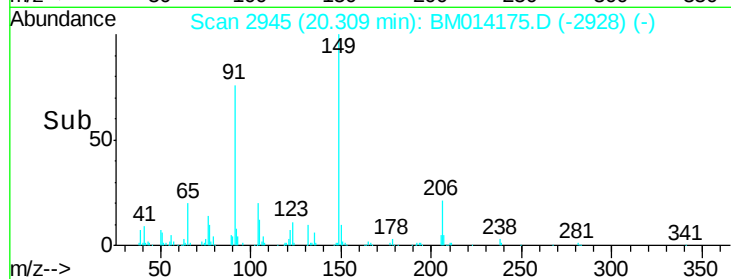
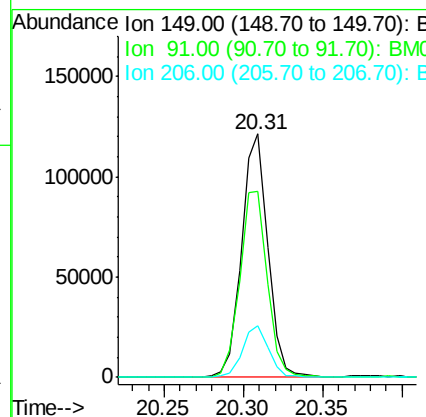
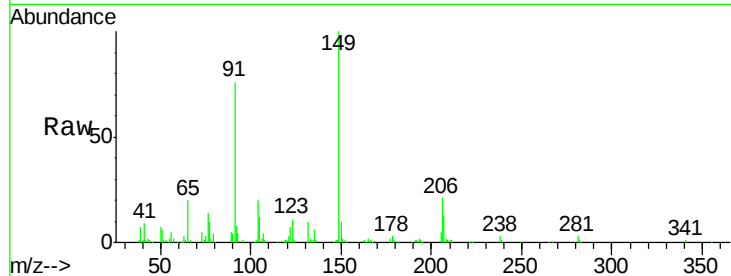
#79
Butylbenzylphthalate
Concen: 6.02 ng
RT: 20.31 min Scan# 2945
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	139195		
91	76.5	50.1	75.1#	
206	21.4	16.2	24.2	

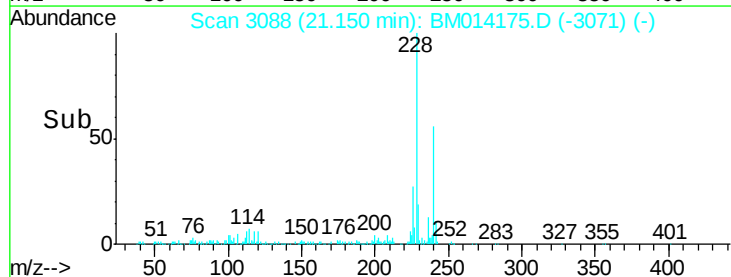
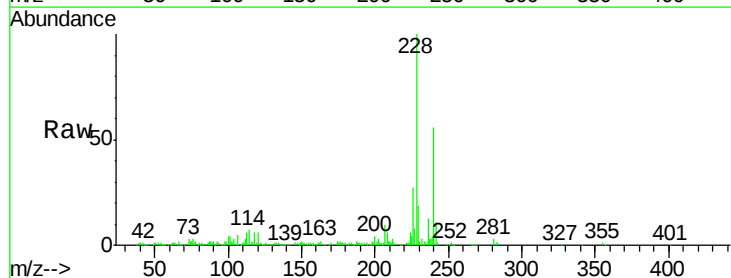
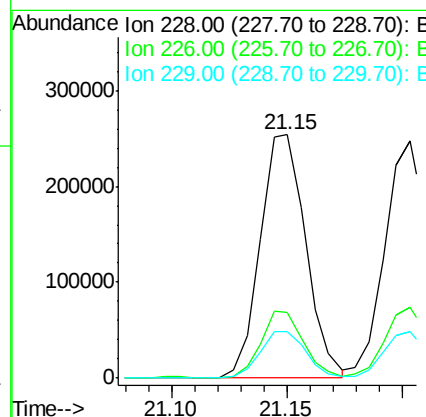
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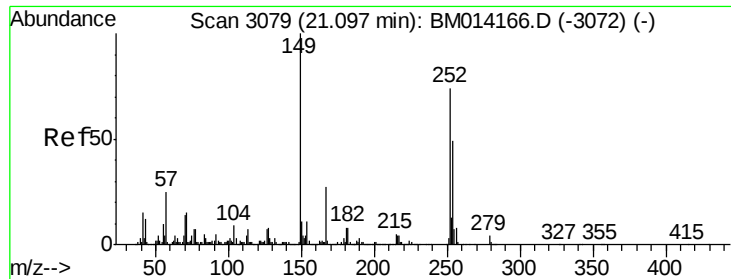
Sohil
2/8/2018 3:50:38 PM



#80
Benzo(a)anthracene
Concen: 7.26 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	348641		
226	27.1	21.7	32.5	
229	19.3	16.0	24.0	





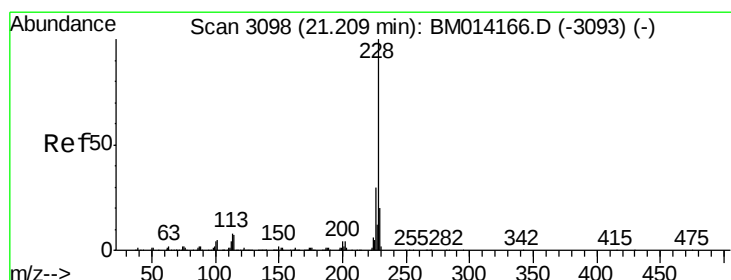
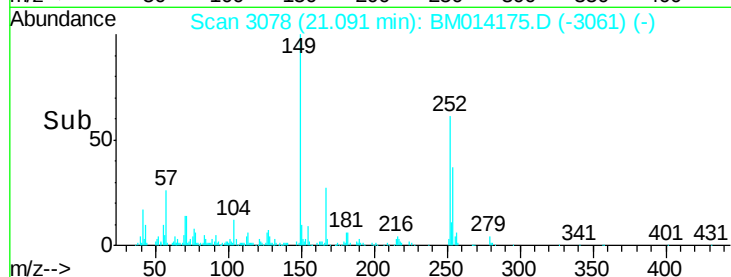
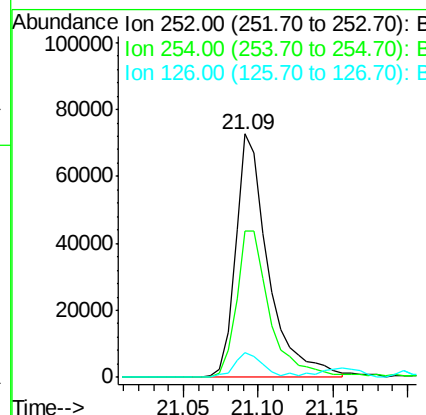
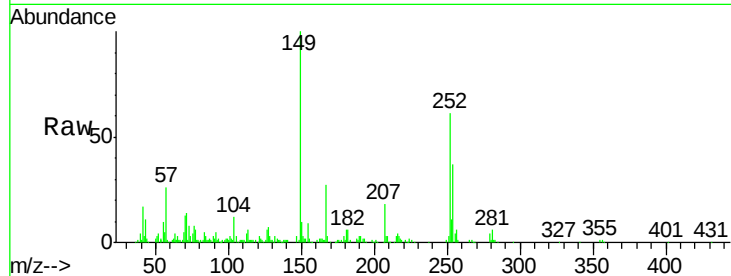
#81
 3,3'-Dichlorobenzidine
 Concen: 6.17 ng
 RT: 21.09 min Scan# 3078
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
252	100		
254	60.3	51.9	77.9
126	10.1	9.8	14.8

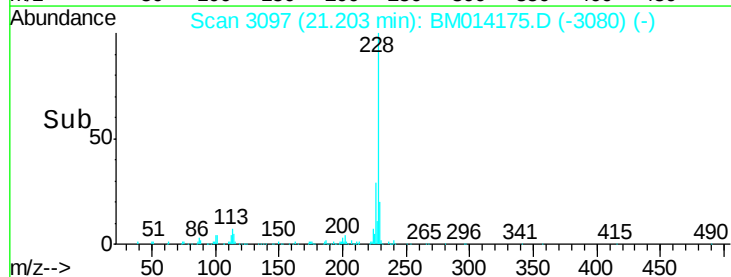
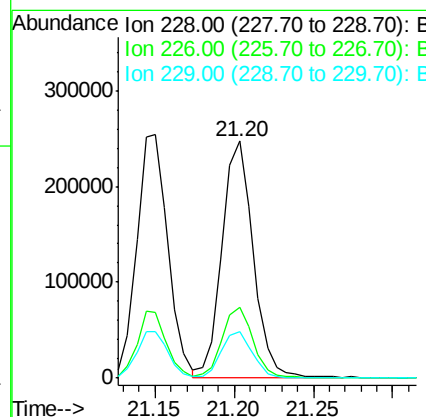
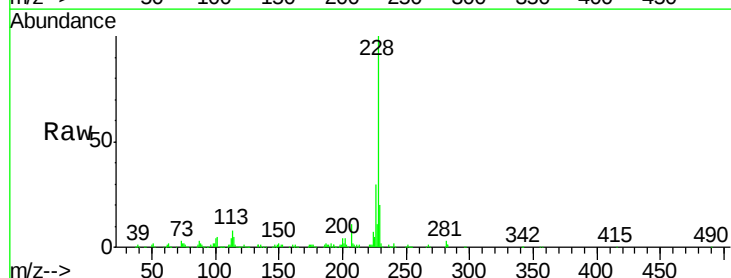
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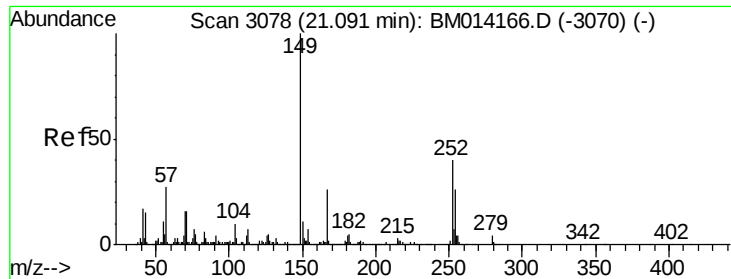
Sohil
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#82
 Chrysene
 Concen: 7.24 ng
 RT: 21.20 min Scan# 3097
 Delta R.T. -0.00 min
 Lab File: BM014175.D
 Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.9	15.5	23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.05 ng

RT: 21.09 min Scan# 3077

Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

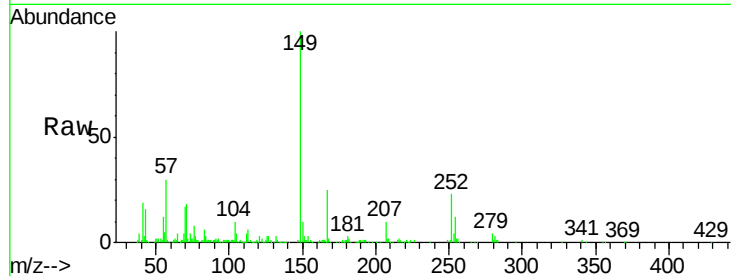
ClientSampleId :

MDL-SOIL-03-QT1-2018

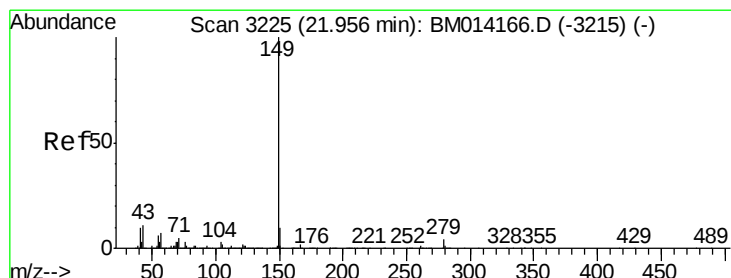
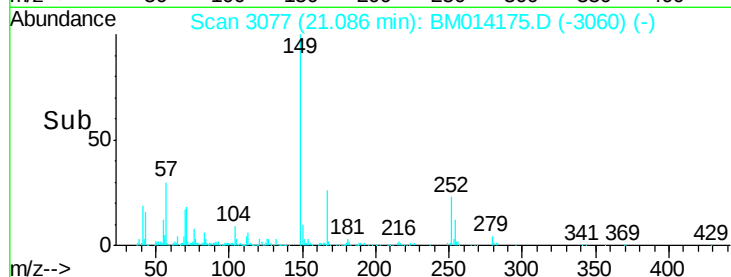
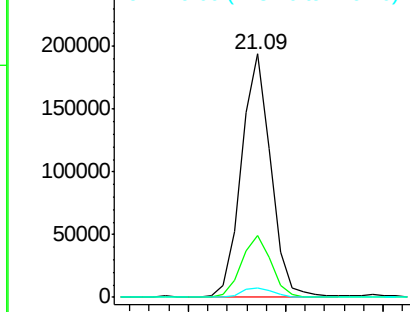
Tgt Ion:	149	Resp:	203815
Ion Ratio	Lower	Upper	
149	100		
167	25.5	22.4	33.6
279	3.6	3.4	5.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 6.70 ng

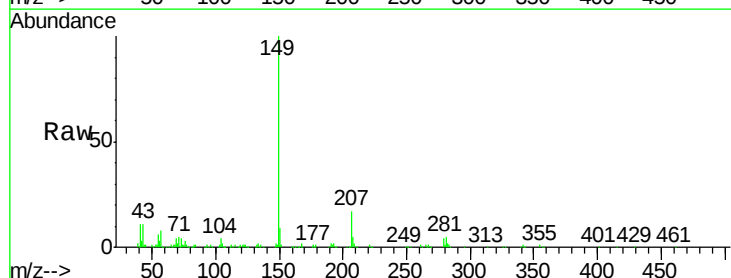
RT: 21.94 min Scan# 3223

Delta R.T. -0.01 min

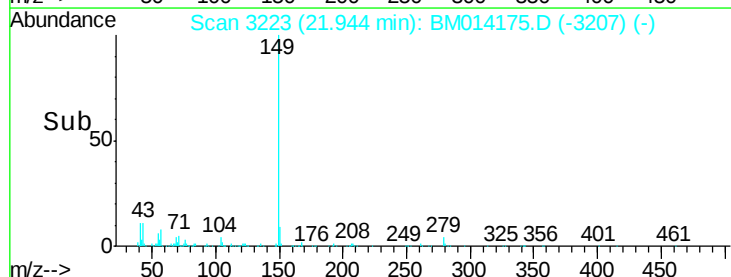
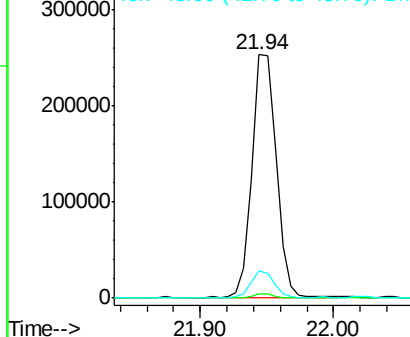
Lab File: BM014175.D

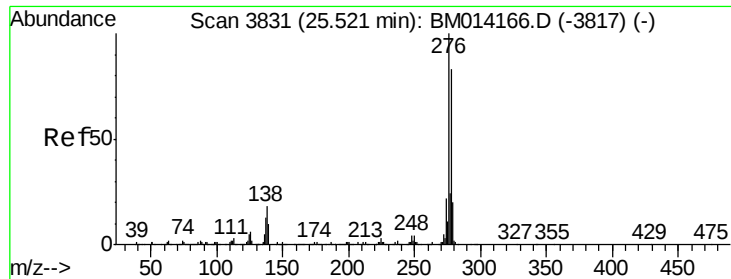
Acq: 07 Feb 2018 23:42

Tgt Ion:	149	Resp:	312541
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	10.8	7.3	10.9



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): BM0





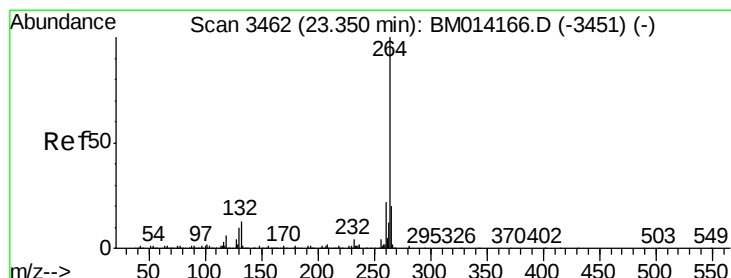
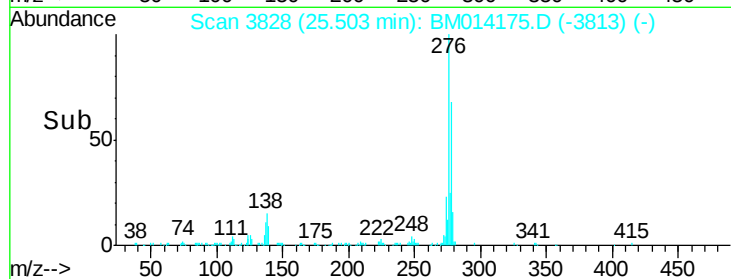
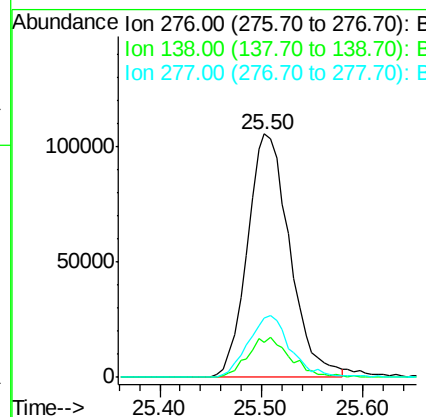
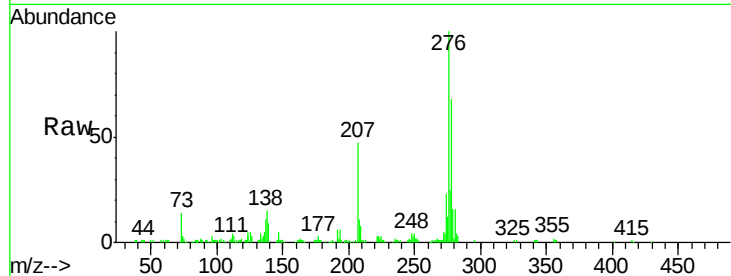
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.38 ng
RT: 25.50 min Scan# 3828
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.0	18.0
277	24.9	20.0	30.0

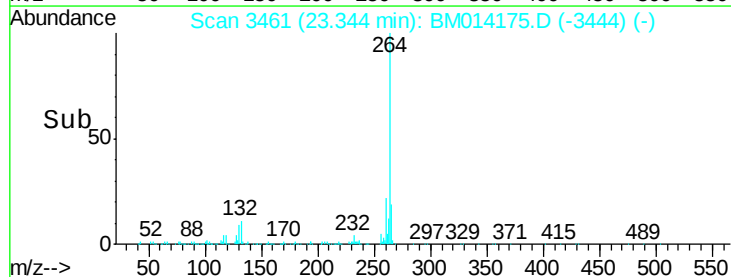
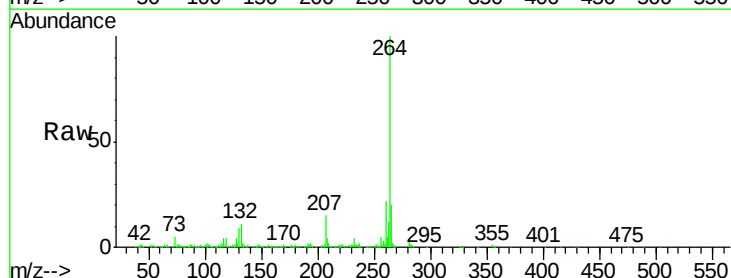
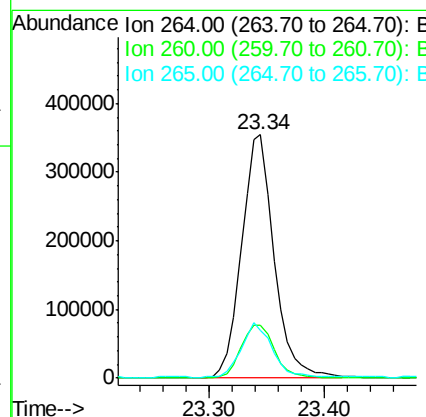
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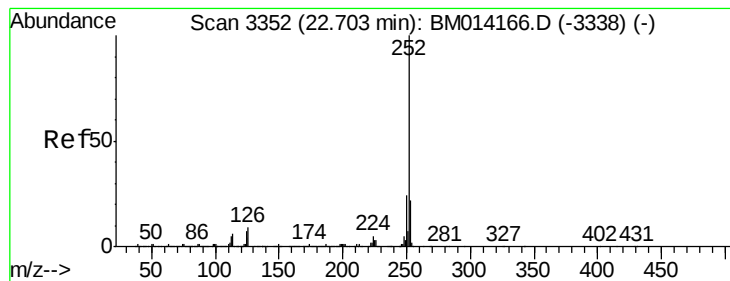
Sohil
2/8/2018 3:50:38 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.34 min Scan# 3461
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.6	27.8
265	19.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 6.72 ng

RT: 22.69 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Instrument :

BNA_M

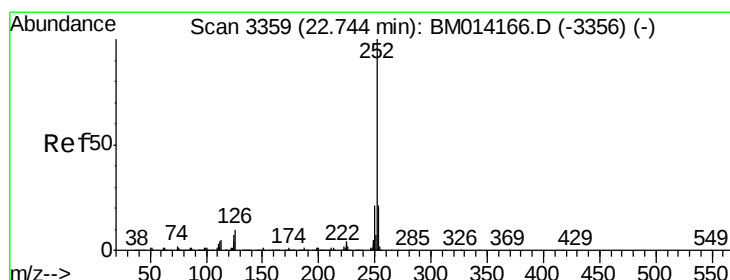
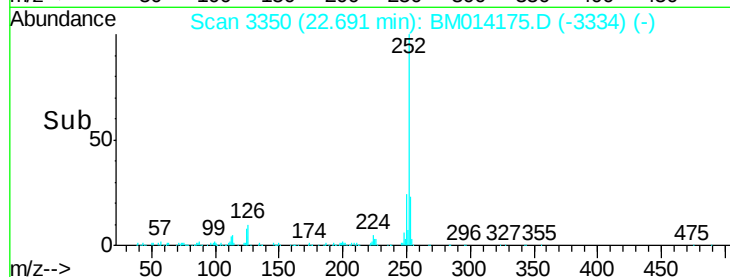
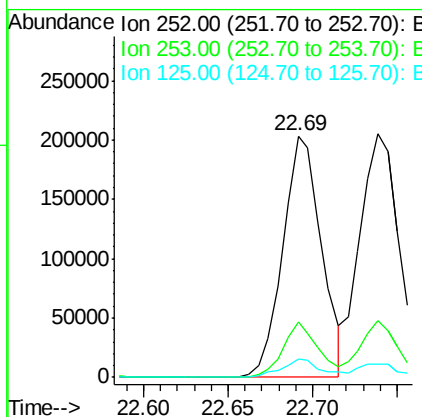
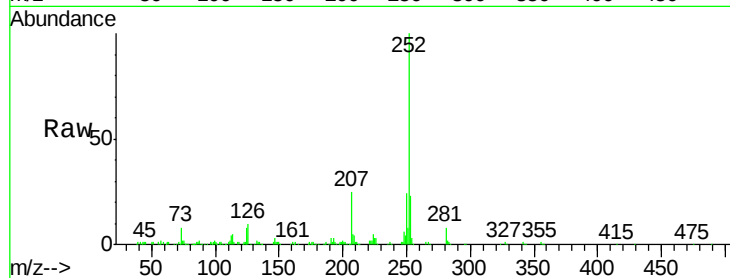
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	323482		
253	22.9	18.0	27.0	
125	7.8	9.9	14.9	

Manual Integrations
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2/8/2018 3:50:38 PM



#88

Benzo(k)fluoranthene

Concen: 7.27 ng

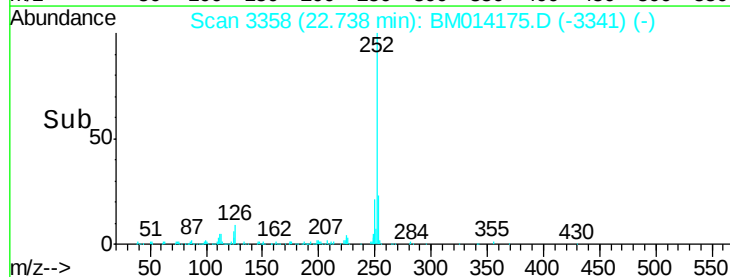
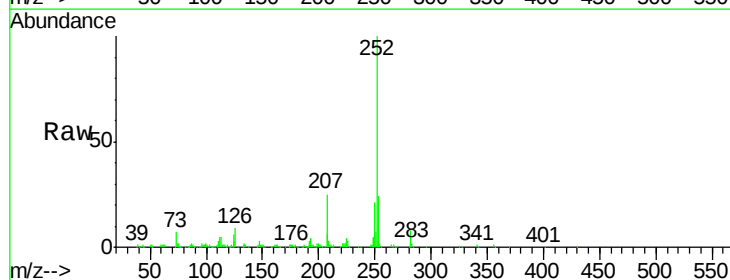
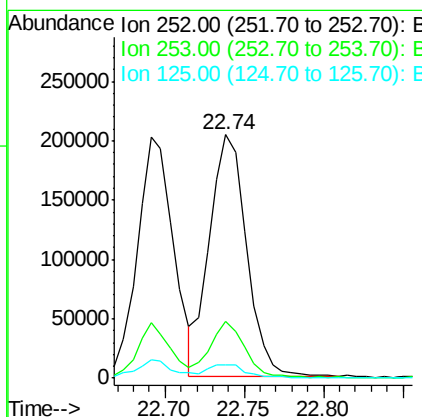
RT: 22.74 min Scan# 3358

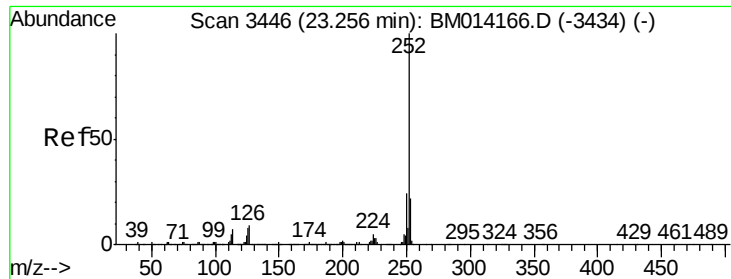
Delta R.T. -0.00 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	332569		
253	23.5	17.2	25.8	
125	5.6	8.1	12.1	





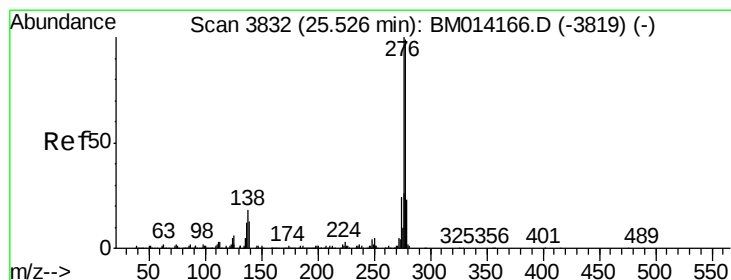
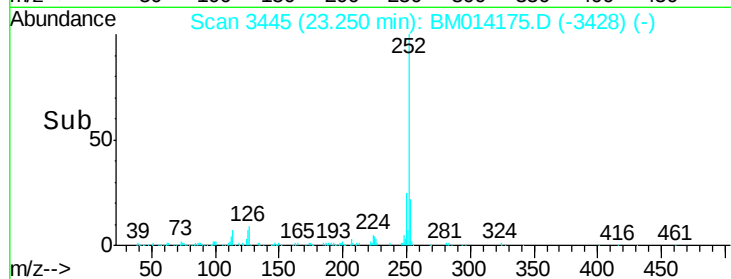
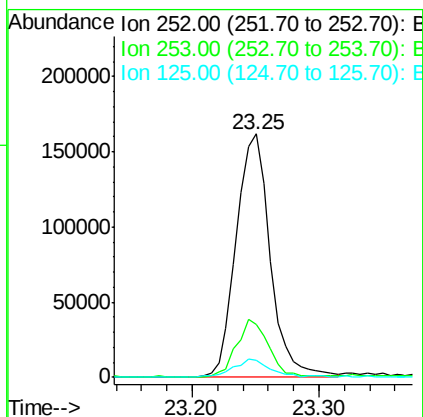
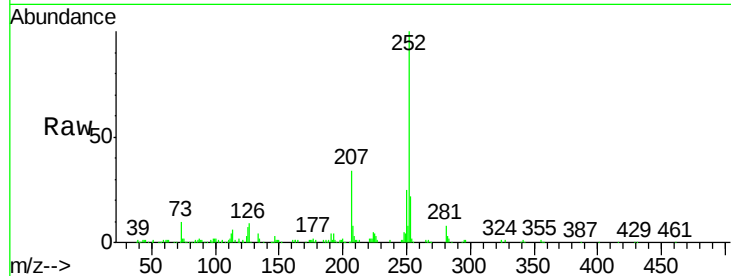
#89
Benzo(a)pyrene
Concen: 7.13 ng
RT: 23.25 min Scan# 3445
Delta R.T. -0.00 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	7.1	7.4	11.2

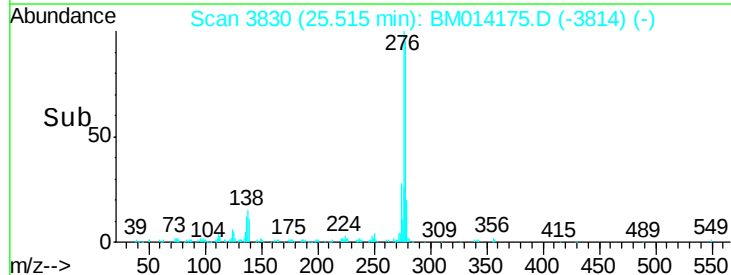
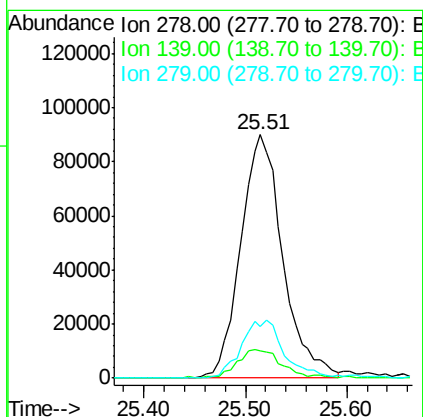
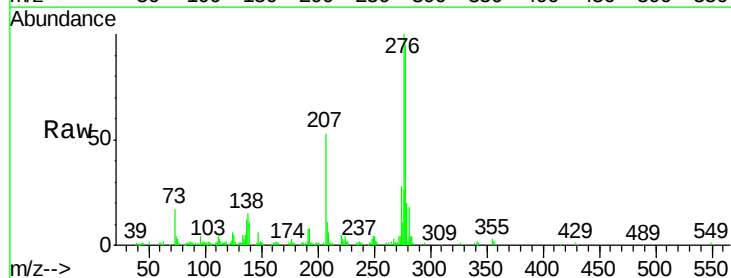
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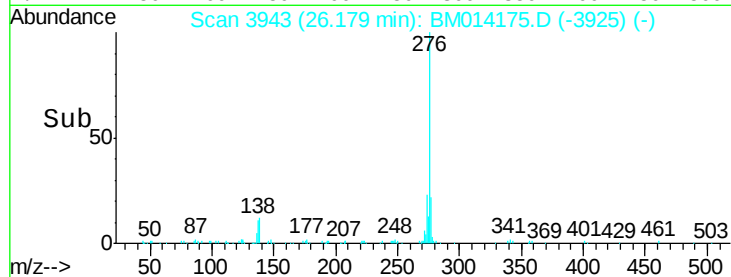
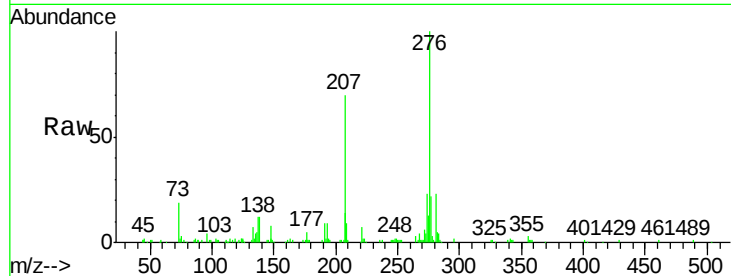
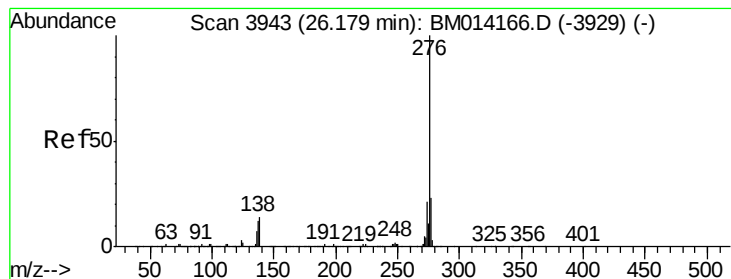
Sohil
2/8/2018 3:50:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 7.51 ng
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014175.D
Acq: 07 Feb 2018 23:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.1	13.4	20.0
279	21.2	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 7.41 ng

RT: 26.18 min Scan# 3943

Delta R.T. 0.01 min

Lab File: BM014175.D

Acq: 07 Feb 2018 23:42

Tgt Ion:	276	Resp:	240161
Ion Ratio	Lower	Upper	
276	100		
277	21.7	18.5	27.7
138	12.4	19.0	28.6

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2018

Manual Integrations
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2/8/2018 3:50:38 PM

