

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015248.D
 Acq On : 22 May 2018 19:59
 Operator : SJ/JU
 Sample : J2133-03
 Misc : MDL 1 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Manual Integrations
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Sohil
 5/23/2018 3:21:49 PM

Quant Time: May 23 14:17:42 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	204495	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	824539	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	421012	20.00	ng	0.00
63) Phenanthrene-d10	17.74	188	889828	20.00	ng	0.00
75) Chrysene-d12	21.83	240	873111	20.00	ng	0.00
86) Perylene-d12	24.27	264	880825	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.89	112	1690085	135.22	ng	0.00
7) Phenol-d6	7.55	99	2159350	132.67	ng	0.00
23) Nitrobenzene-d5	9.59	82	1235216	82.06	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	757485	143.48	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2756995	81.41	ng	0.00
78) Terphenyl-d14	20.29	244	3637619	92.00	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.63	88	5659	1.096	ng	Qvalue # 100
3) Pyridine	4.14	79	9711m	0.734	ng	
4) n-Nitrosodimethylamine	4.01	42	5448m	0.761	ng	
6) Aniline	7.72	93	16894	0.842	ng	93
8) 2-Chlorophenol	7.96	128	13906	0.986	ng	95
9) Benzaldehyde	7.55	77	9882	0.960	ng	# 52
10) Phenol	7.57	94	15797	0.956	ng	93
11) bis(2-Chloroethyl)ether	7.82	93	12845	0.980	ng	93
12) 1,3-Dichlorobenzene	8.29	146	16509	1.026	ng	# 94
13) 1,4-Dichlorobenzene	8.45	146	16740	1.029	ng	94
14) 1,2-Dichlorobenzene	8.77	146	16239	1.052	ng	94
15) Benzyl Alcohol	8.66	79	9058	0.770	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.93	45	20080	0.971	ng	95
17) 2-Methylphenol	8.85	107	9760	0.888	ng	# 92
18) Hexachloroethane	9.50	117	5269	0.912	ng	92
19) n-Nitroso-di-n-propylamine	9.22	70	8500	0.819	ng	# 98
20) 3+4-Methylphenols	9.18	107	12102	0.829	ng	93
22) Acetophenone	9.25	105	18546	0.938	ng	# 91
24) Nitrobenzene	9.63	77	15394	0.982	ng	94
25) Isophorone	10.16	82	20018	0.774	ng	# 95
26) 2-Nitrophenol	10.36	139	4051	0.576	ng	# 76
27) 2,4-Dimethylphenol	10.40	122	7544	0.592	ng	95
28) bis(2-Chloroethoxy)methane	10.63	93	13713	0.810	ng	98
29) 2,4-Dichlorophenol	10.89	162	7616	0.631	ng	92
30) 1,2,4-Trichlorobenzene	11.10	180	14685	1.032	ng	95
31) Naphthalene	11.29	128	43138	1.007	ng	98
32) Benzoic acid	10.46	122	3978	0.539	ng	88
33) 4-Chloroaniline	11.42	127	12883	0.753	ng	# 95
34) Hexachlorobutadiene	11.56	225	9078	1.073	ng	94
35) Caprolactam	12.17	113	1378	0.403	ng	90
36) 4-Chloro-3-methylphenol	12.50	107	8225	0.667	ng	86
37) 2-Methylnaphthalene	12.87	142	26984	0.909	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.23	216	14837	1.001	ng	# 100
40) Hexachlorocyclopentadiene	13.20	237	2052	5.469	ng	90

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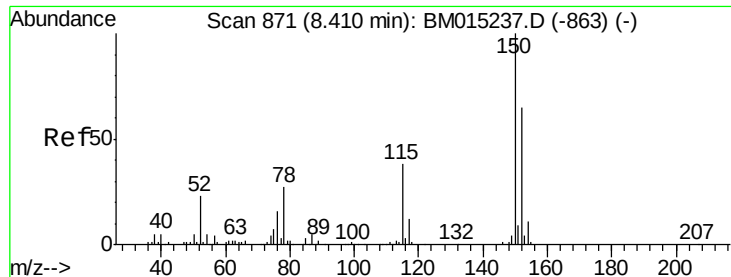
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.47	196	5778	0.648	ng	99
43) 2,4,5-Trichlorophenol	13.54	196	6459	0.671	ng	# 84
45) 1,1'-Biphenyl	13.86	154	44710	1.214	ng	97
46) 2-Chloronaphthalene	13.92	162	28913	1.020	ng	94
47) 2-Nitroaniline	14.12	65	4524	0.560	ng	89
48) Acenaphthylene	14.74	152	34524	0.820	ng	98
49) Dimethylphthalate	14.46	163	31886	0.949	ng	# 99
50) 2,6-Dinitrotoluene	14.59	165	4326	0.617	ng	# 84
51) Acenaphthene	15.08	154	26787	1.021	ng	97
52) 3-Nitroaniline	14.93	138	3798	0.515	ng	# 76
53) 2,4-Dinitrophenol	15.16	184	720	6.703	ng	# 52
54) Dibenzofuran	15.41	168	40524	0.980	ng	96
55) 4-Nitrophenol	15.23	139	1674	0.280	ng	# 52
56) 2,4-Dinitrotoluene	15.37	165	4892	0.510	ng	# 93
57) Fluorene	16.06	166	30130	0.922	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.64	232	4918	0.596	ng	# 100
59) Diethylphthalate	15.80	149	29327	0.885	ng	# 93
60) 4-Chlorophenyl-phenylether	16.04	204	16764	1.007	ng	99
61) 4-Nitroaniline	16.08	138	3089	0.400	ng	# 45
62) Azobenzene	16.33	77	21068	0.670	ng	91
64) 4,6-Dinitro-2-methylphenol	16.13	198	1529	0.311	ng	79
65) n-Nitrosodiphenylamine	16.25	169	23461	0.821	ng	99
66) 4-Bromophenyl-phenylether	16.92	248	8859	0.891	ng	# 89
67) Hexachlorobenzene	17.04	284	11247	0.982	ng	# 76
68) Atrazine	17.17	200	4583	0.505	ng	87
69) Pentachlorophenol	17.39	266	3386	0.531	ng	95
70) Phenanthrene	17.78	178	51340	1.013	ng	100
71) Anthracene	17.87	178	41660	0.825	ng	99
72) Carbazole	18.13	167	36098	0.807	ng	99
73) Di-n-butylphthalate	18.65	149	36781	0.698	ng	# 98
74) Fluoranthene	19.75	202	47584	0.856	ng	97
76) Benzidine	19.92	184	11472	0.420	ng	99
77) Pyrene	20.11	202	51918	0.942	ng	98
79) Butylbenzylphthalate	20.95	149	15614	0.694	ng	92
80) Benzo(a)anthracene	21.82	228	52851	0.961	ng	96
81) 3,3'-Dichlorobenzidine	21.74	252	17382	0.853	ng	98
82) Chrysene	21.87	228	53017	1.023	ng	97
83) Bis(2-ethylhexyl)phthalate	21.70	149	22607	0.691	ng	# 97
84) Di-n-octyl phthalate	22.63	149	35623	0.622	ng	# 90
85) Indeno(1,2,3-cd)pyrene	26.79	276	55901	0.892	ng	# 90
87) Benzo(b)fluoranthene	23.53	252	51375	0.922	ng	96
88) Benzo(k)fluoranthene	23.57	252	50448	0.957	ng	95
89) Benzo(a)pyrene	24.16	252	44501	0.856	ng	# 95
90) Dibenzo(a,h)anthracene	26.80	278	47607	0.898	ng	97
91) Benzo(g,h,i)perylene	27.57	276	48057	0.930	ng	95

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



#1

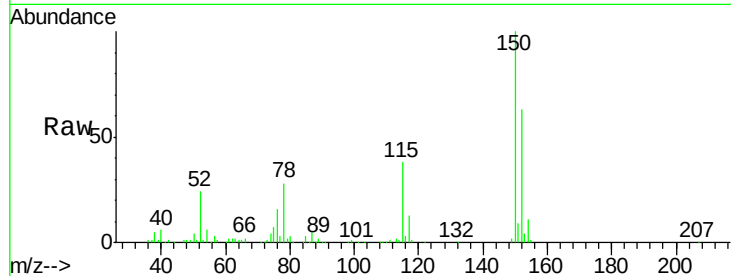
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	119.5	179.3
115	60.7	43.0	64.4

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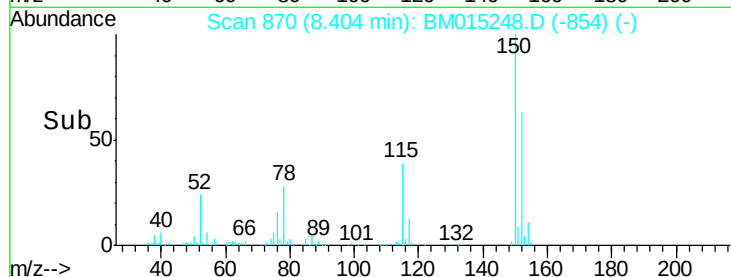


Abundance

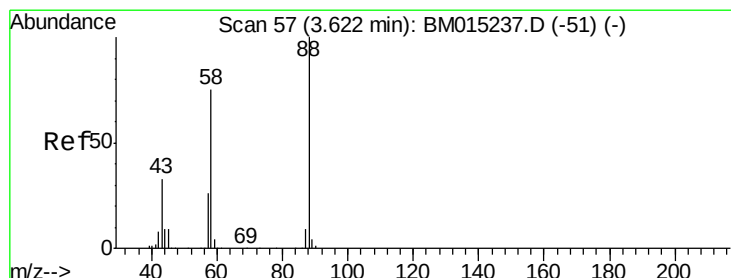
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



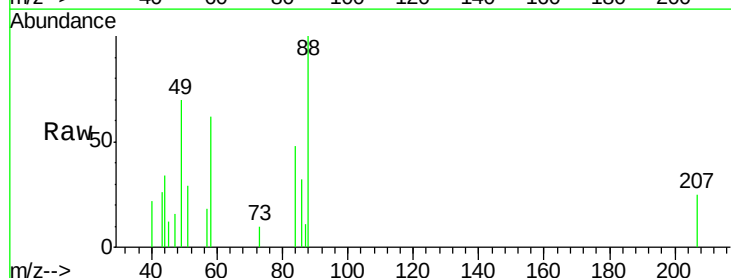
Time-->



#2

1,4-Dioxane
Concen: 1.096 ng
RT: 3.63 min Scan# 59
Delta R.T. 0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.0	0.0	0.0#
43	36.6	0.0	0.0#

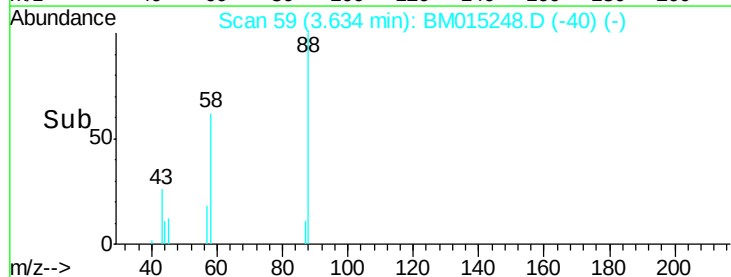


Abundance

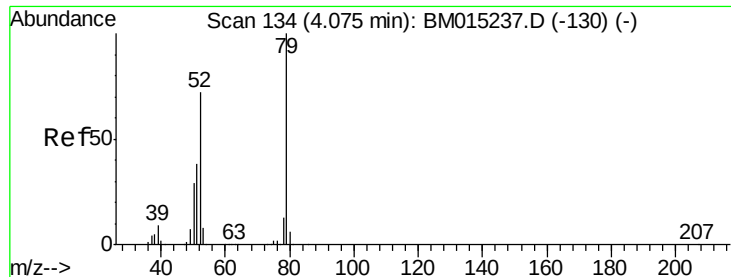
Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



Time-->



#3

Pyridine

Concen: 0.734 ng m

RT: 4.14 min Scan# 145

Delta R.T. 0.06 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

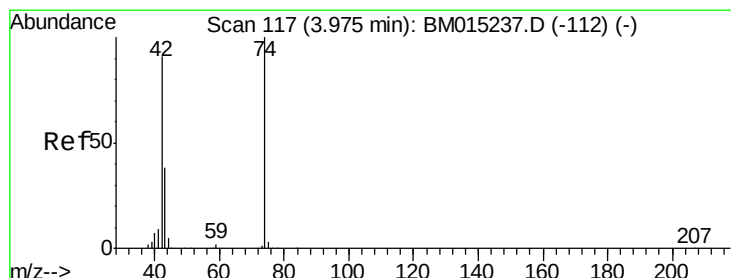
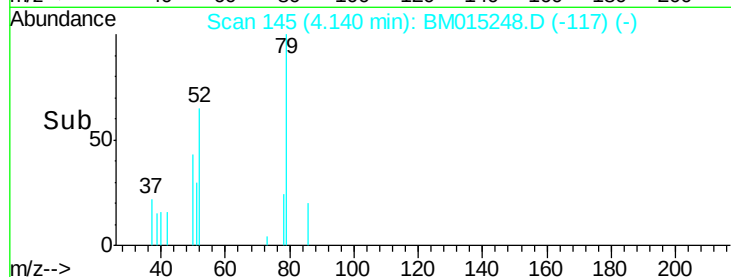
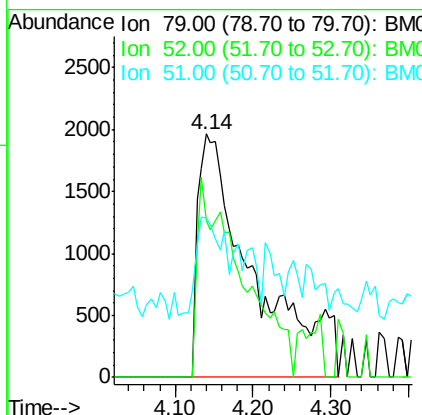
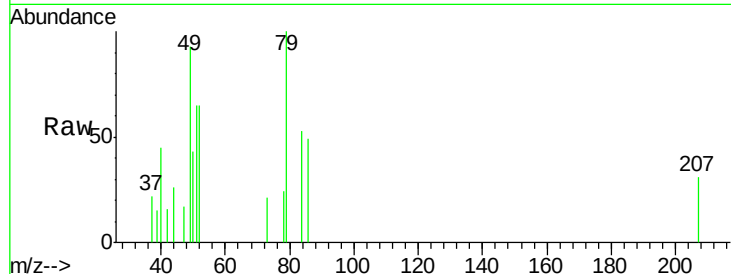
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	79	Resp:	9711
Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.1	76.7
51	65.4	26.1	39.1#

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#4

n-Nitrosodimethylamine

Concen: 0.761 ng m

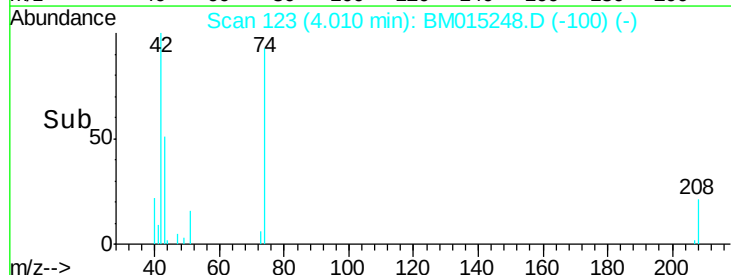
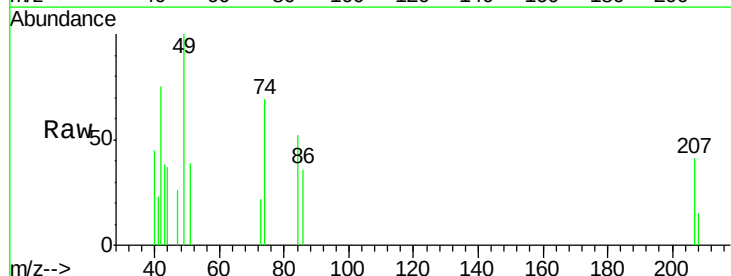
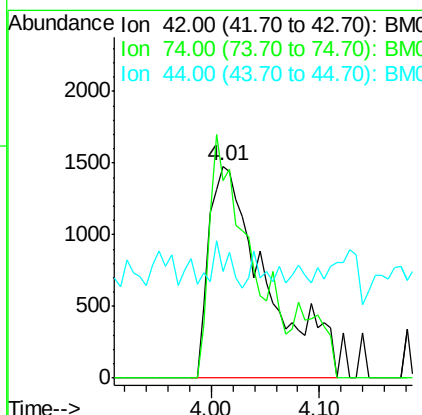
RT: 4.01 min Scan# 123

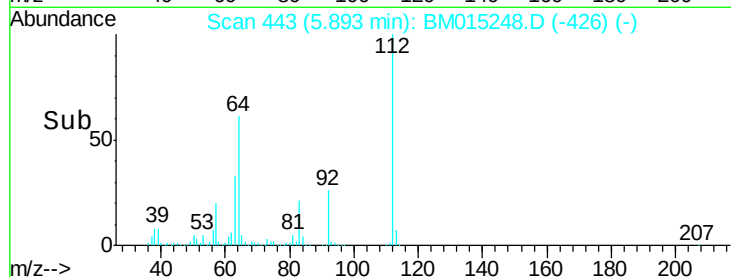
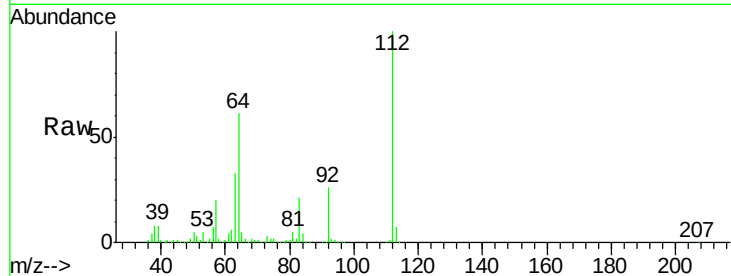
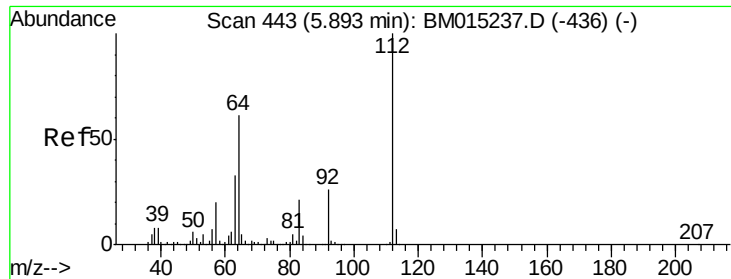
Delta R.T. 0.04 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	42	Resp:	5448
Ion	Ratio	Lower	Upper
42	100		
74	93.2	119.3	178.9#
44	50.1	5.4	8.2#





#5

2-Fluorophenol

Concen: 135.217 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion: 112 Resp: 1690085

Ion Ratio Lower Upper

112 100

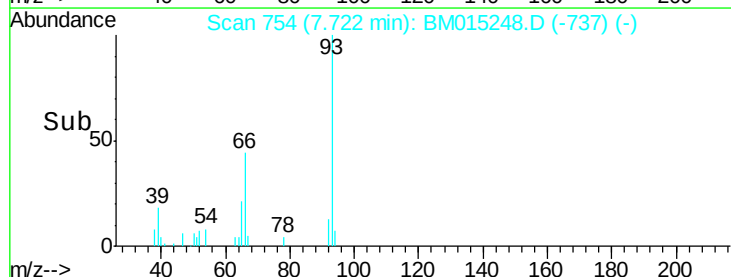
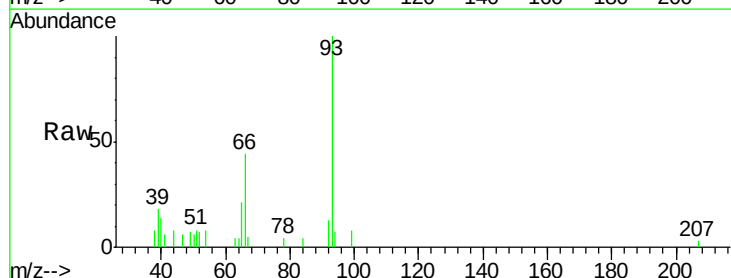
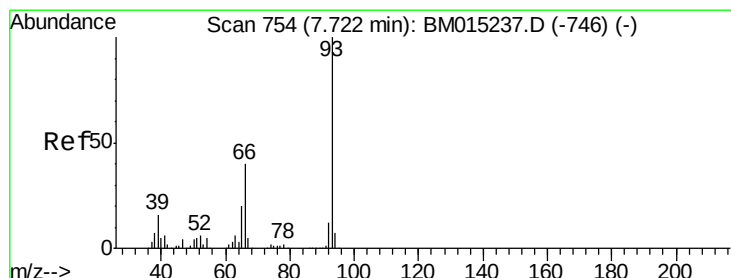
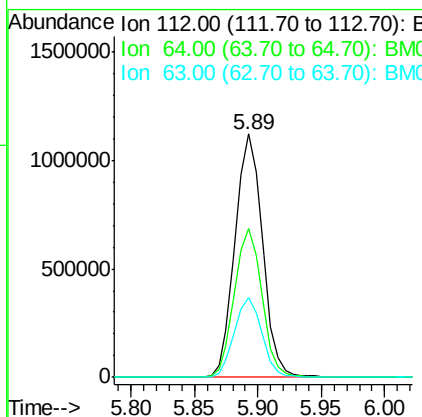
64 61.4 38.6 57.8#

63 32.8 19.3 28.9#

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#6

Aniline

Concen: 0.842 ng

RT: 7.72 min Scan# 754

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

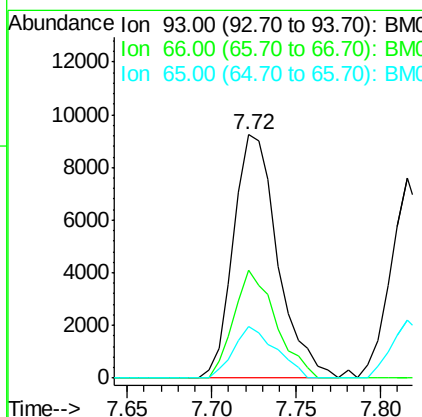
Tgt Ion: 93 Resp: 16894

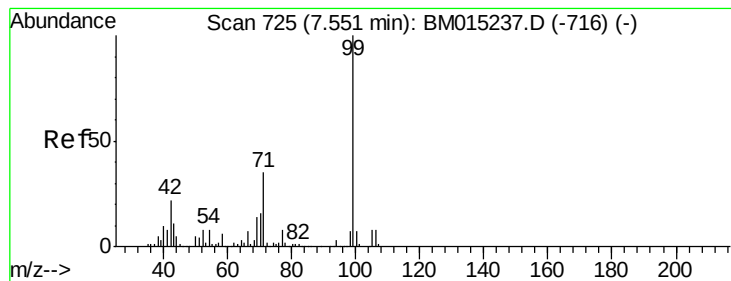
Ion Ratio Lower Upper

93 100

66 44.5 30.8 46.2

65 21.3 16.0 24.0





#7

Phenol-d6

Concen: 132.669 ng

RT: 7.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion: 99 Resp: 2159350

Ion Ratio Lower Upper

99 100

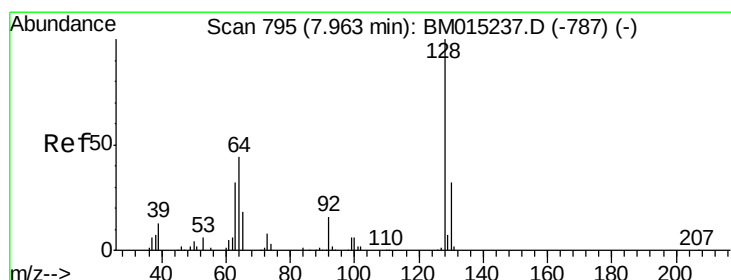
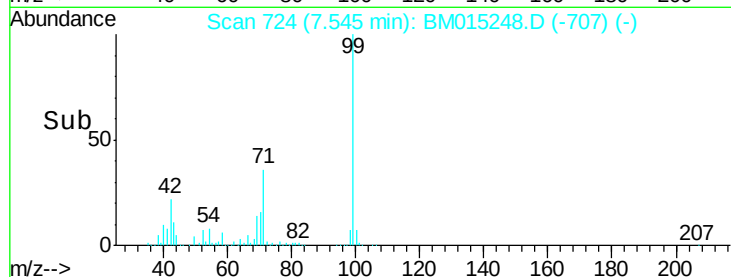
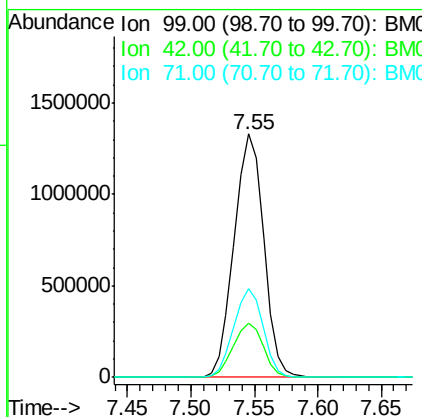
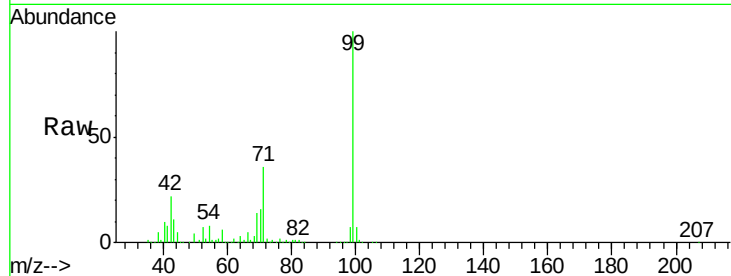
42 22.1 11.0 16.4#

71 36.4 23.4 35.2#

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#8

2-Chlorophenol

Concen: 0.986 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

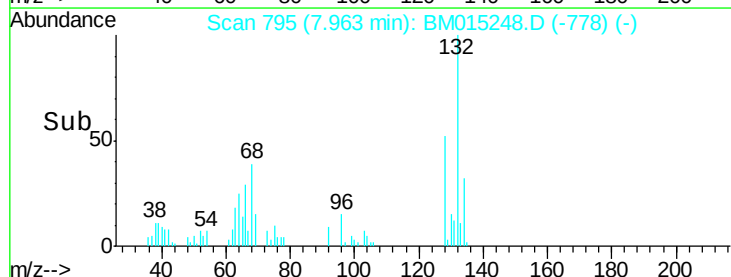
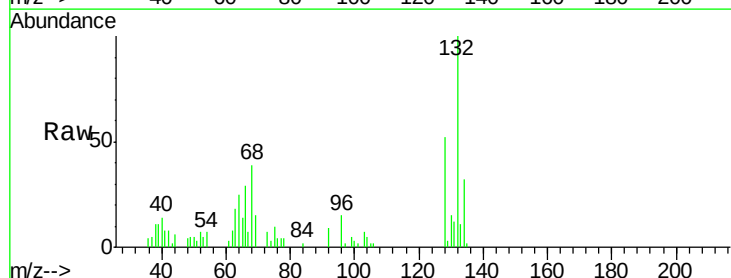
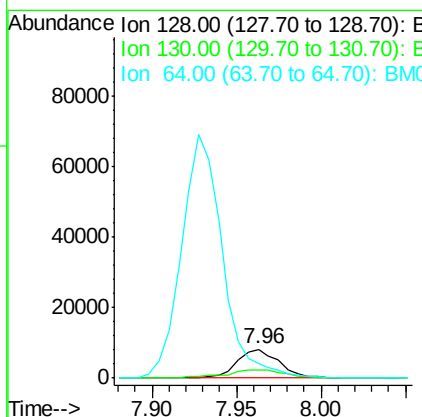
Tgt Ion: 128 Resp: 13906

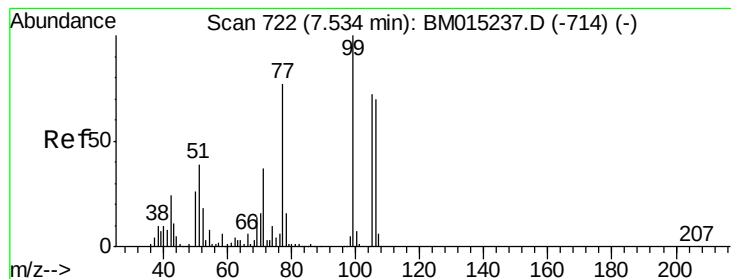
Ion Ratio Lower Upper

128 100

130 29.4 12.0 52.0

64 48.3 24.9 64.9





#9

Benzaldehyde

Concen: 0.960 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

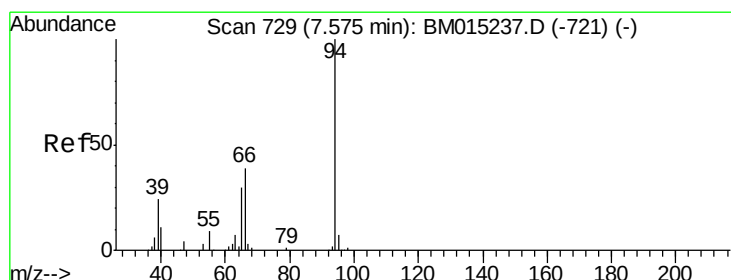
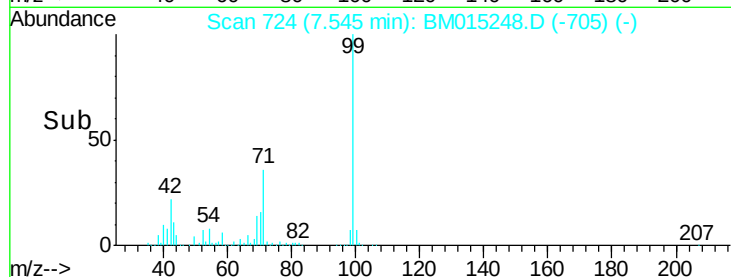
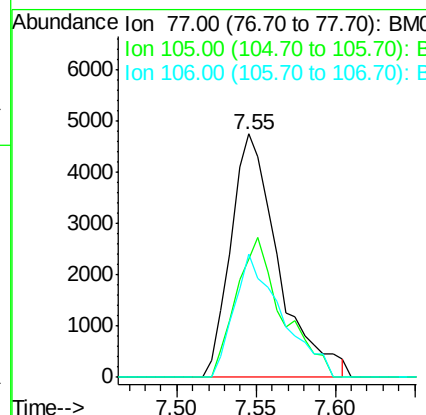
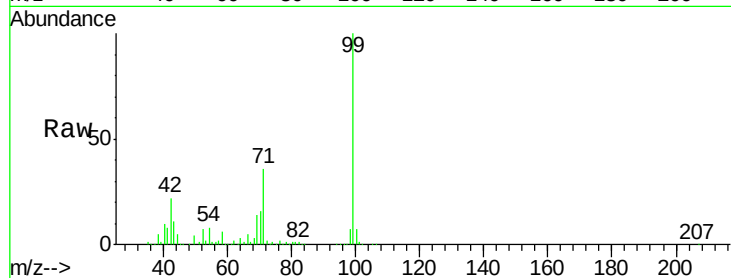
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	77	Resp:	9882
Ion	Ratio	Lower	Upper
77	100		
105	48.3	78.8	118.8#
106	50.6	73.7	113.7#

Manual Integrations
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#10

Phenol

Concen: 0.956 ng

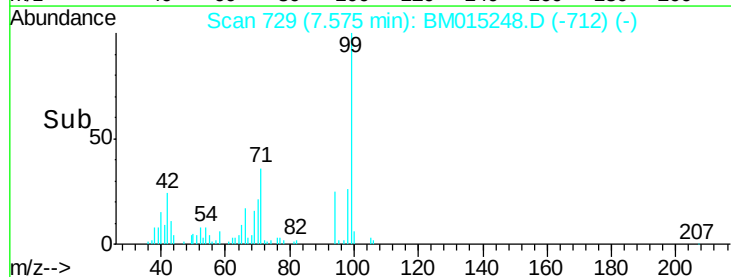
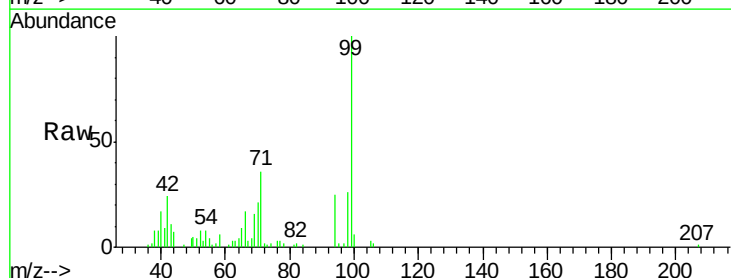
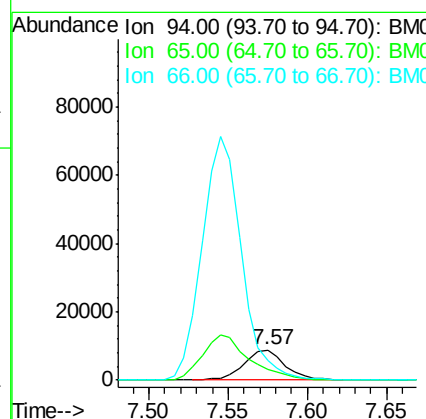
RT: 7.57 min Scan# 729

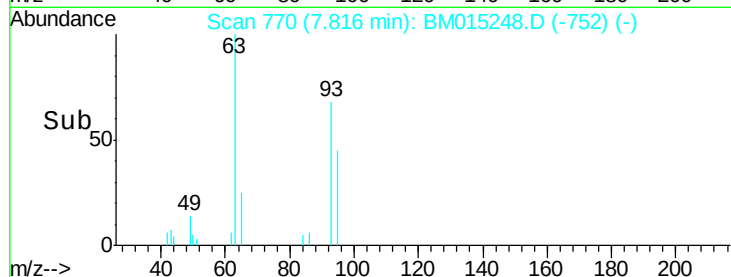
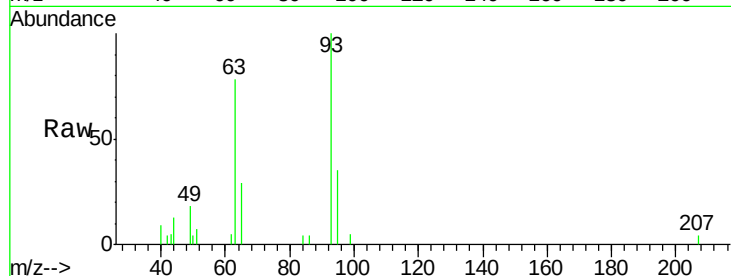
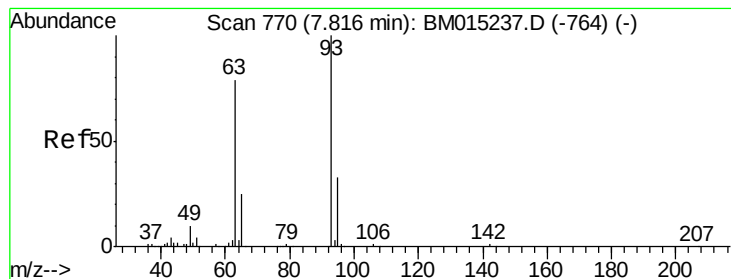
Delta R.T. -0.00 min

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Tgt Ion:	94	Resp:	15797
Ion	Ratio	Lower	Upper
94	100		
65	35.5	18.8	58.8
66	66.1	39.9	79.9





#11

bis(2-Chloroethyl)ether

Concen: 0.980 ng

RT: 7.82 min Scan# 770

Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	93	Resp:	12845
Ion	Ratio	Lower	Upper
93	100		
63	77.6	49.5	89.5
95	34.7	13.5	53.5

Instrument :

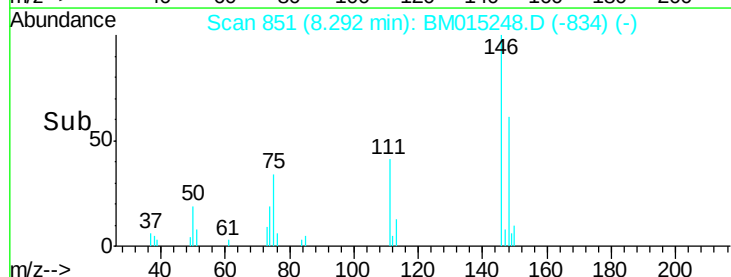
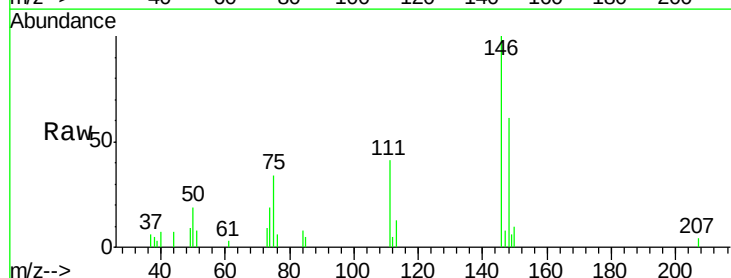
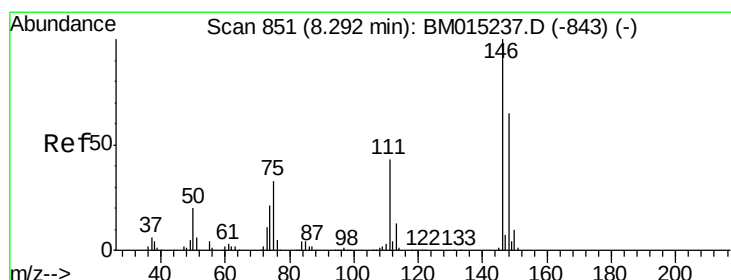
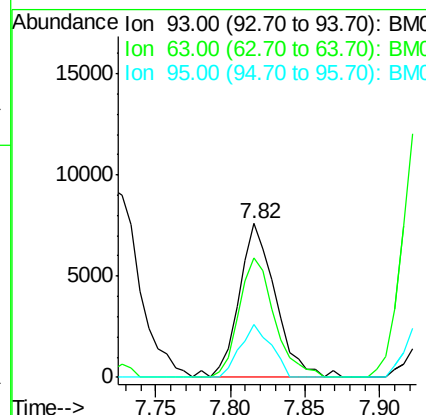
BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

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#12

1,3-Dichlorobenzene

Concen: 1.026 ng

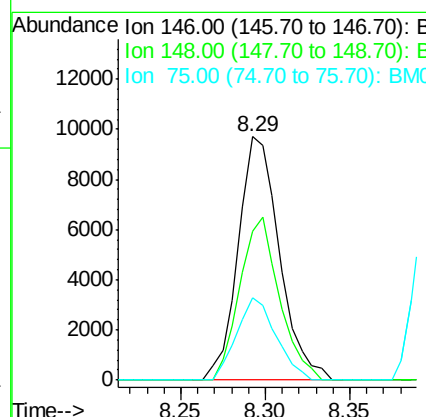
RT: 8.29 min Scan# 851

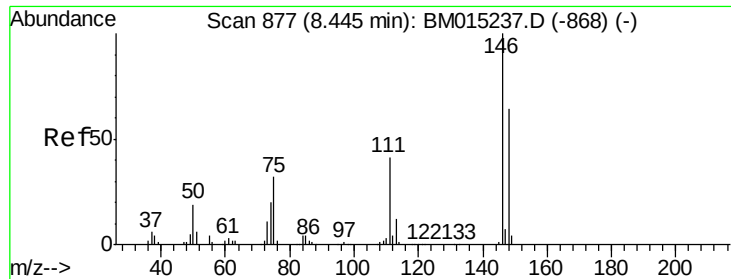
Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	146	Resp:	16509
Ion	Ratio	Lower	Upper
146	100		
148	61.2	50.9	76.3
75	33.8	21.4	32.2#





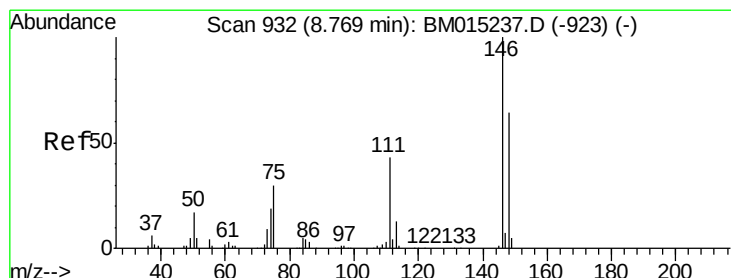
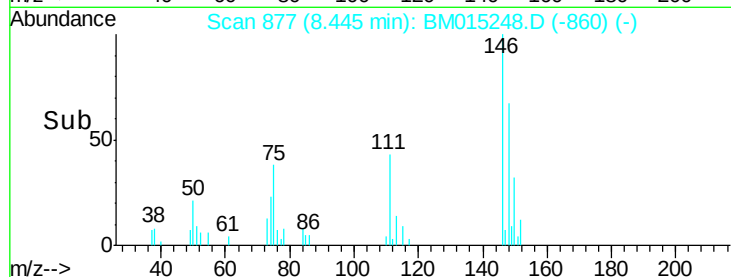
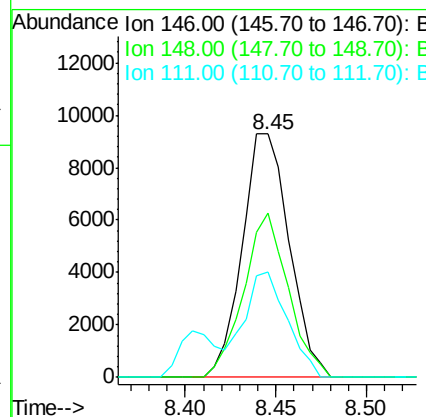
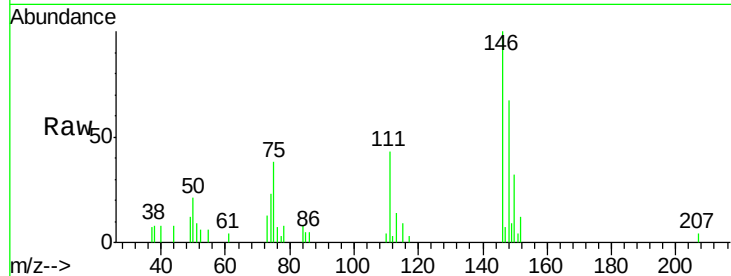
#13
 1,4-Dichlorobenzene
 Concen: 1.029 ng
 RT: 8.45 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.3	51.9	77.9
111	43.0	29.2	43.8

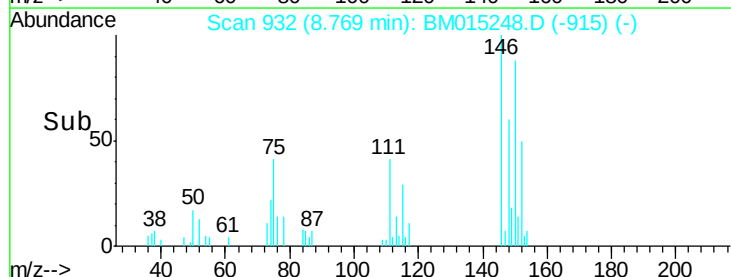
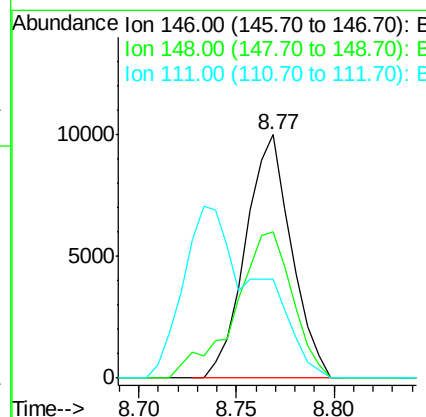
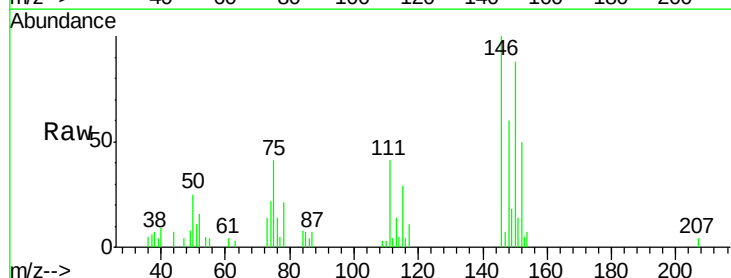
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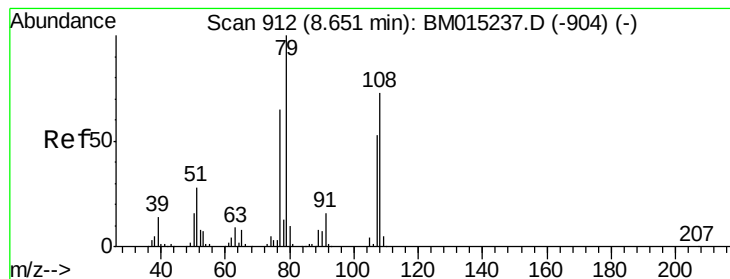
Sohil
 5/23/2018 3:21:49 PM



#14
 1,2-Dichlorobenzene
 Concen: 1.052 ng
 RT: 8.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.1	52.3	78.5
111	40.5	30.6	45.8





#15

Benzyl Alcohol

Concen: 0.770 ng

RT: 8.66 min Scan# 914

Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

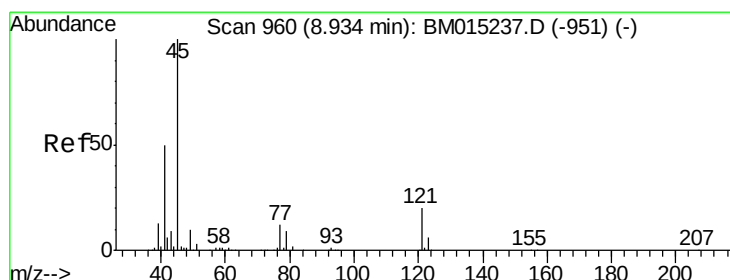
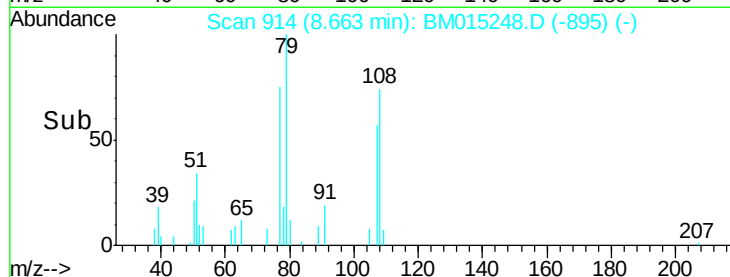
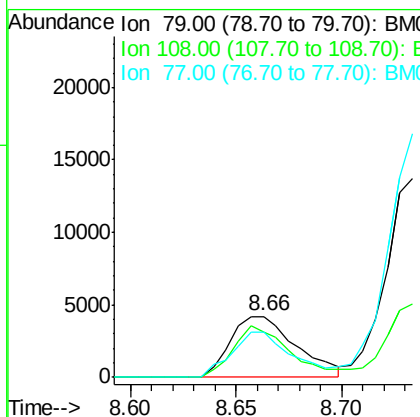
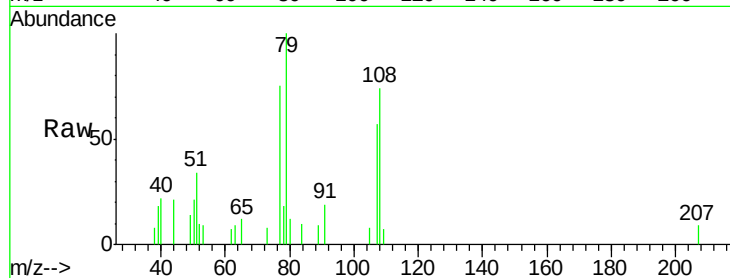
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	79	Resp:	9058
Ion Ratio	Lower	Upper	
79	100		
108	73.8	65.0	97.4
77	75.5	53.0	79.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.971 ng

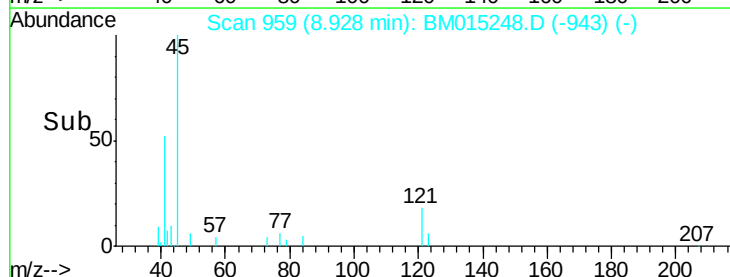
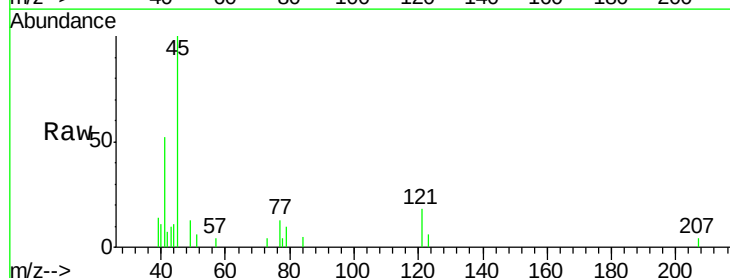
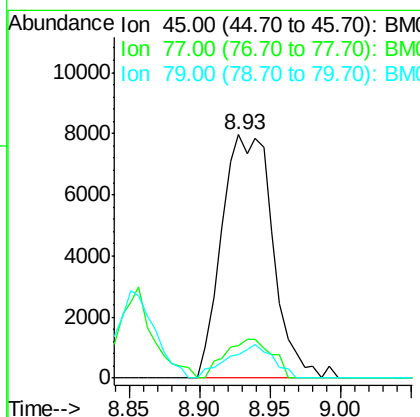
RT: 8.93 min Scan# 959

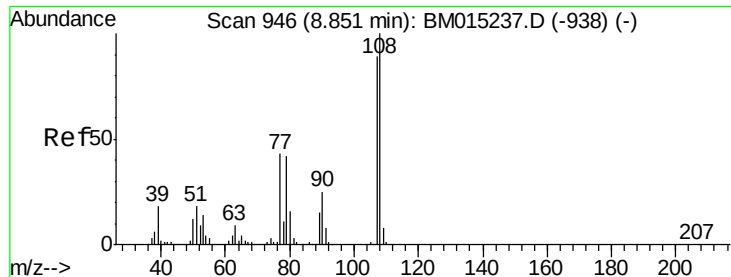
Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	45	Resp:	20080
Ion Ratio	Lower	Upper	
45	100		
77	13.5	0.0	35.2
79	9.8	0.0	32.0





#17

2-Methylphenol

Concen: 0.888 ng

RT: 8.85 min Scan# 946

Delta R.T. -0.00 min

Lab File: BM015248.D

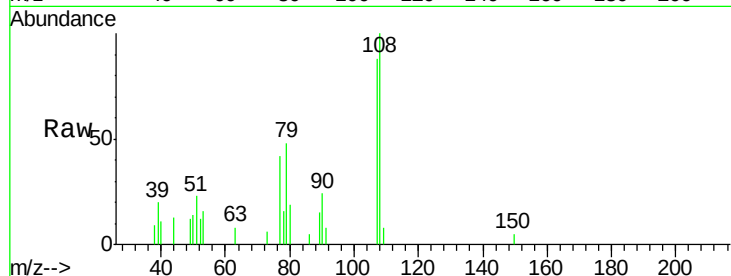
Acq: 22 May 2018 19:59

Instrument :

BNA_M

ClientSampleId :

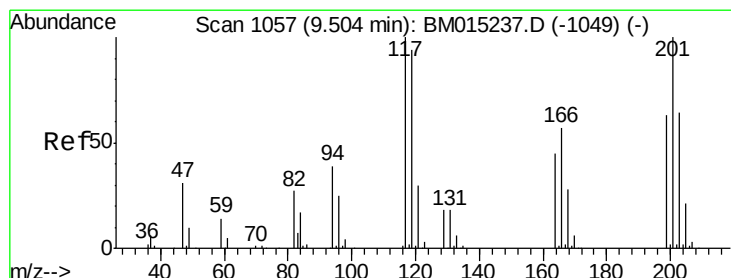
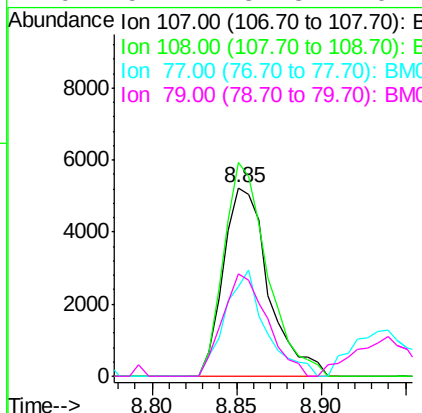
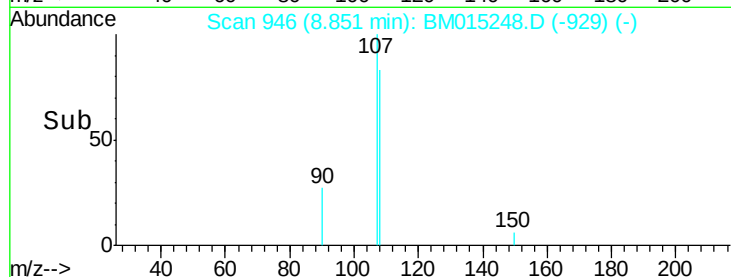
MDL-SOIL-03-QT2-2018



Tgt Ion:	107	Resp:	9760
Ion Ratio	Lower	Upper	
107	100		
108	113.5	89.8	134.8
77	47.6	32.6	48.8
79	54.7	32.8	49.2

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#18

Hexachloroethane

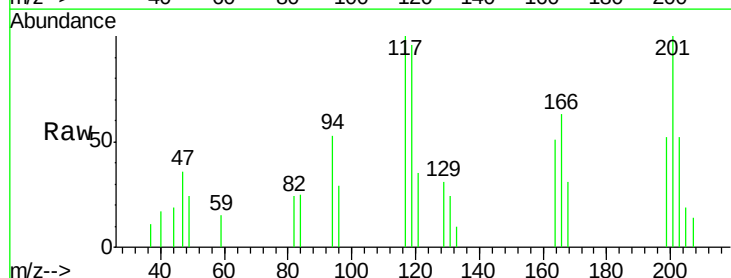
Concen: 0.912 ng

RT: 9.50 min Scan# 1057

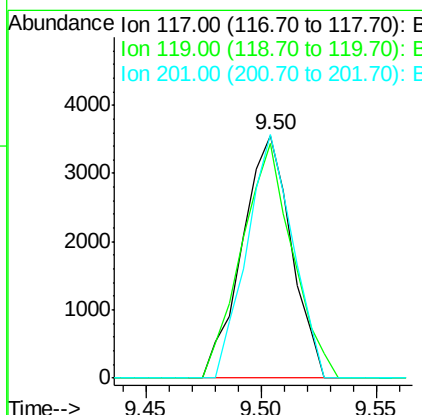
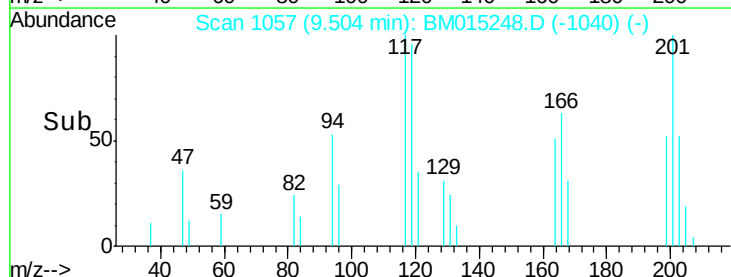
Delta R.T. -0.00 min

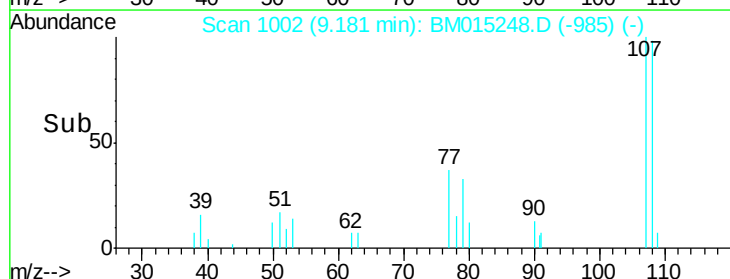
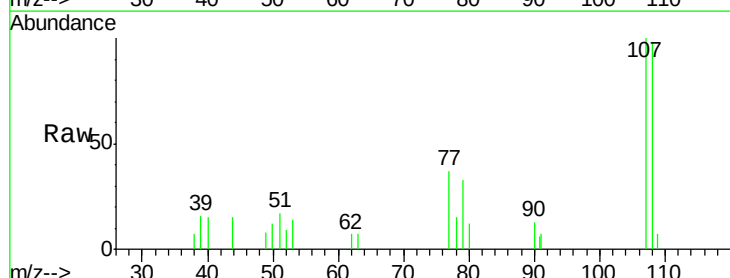
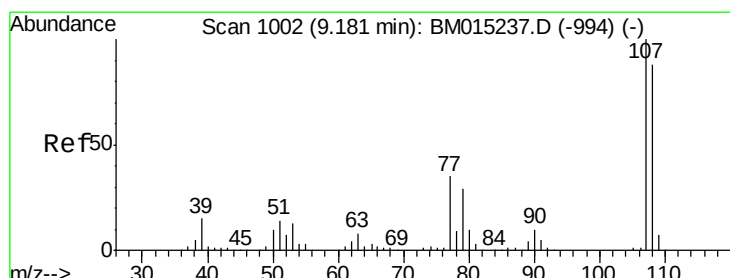
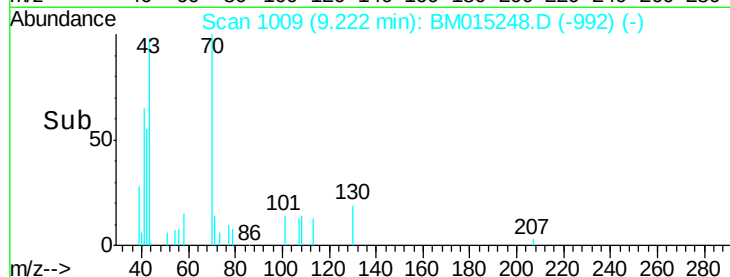
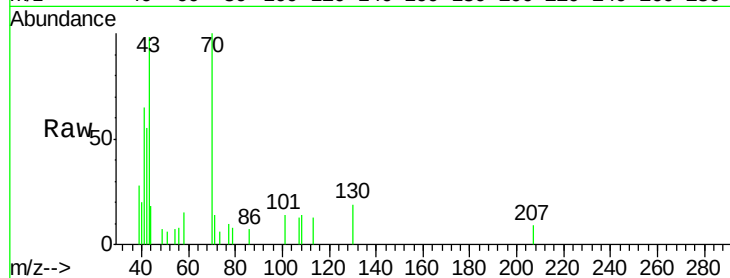
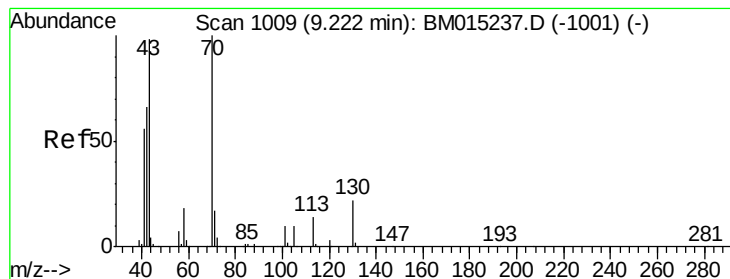
Lab File: BM015248.D

Acq: 22 May 2018 19:59



Tgt Ion:	117	Resp:	5269
Ion Ratio	Lower	Upper	
117	100		
119	96.8	79.2	118.8
201	100.5	69.8	104.6





#19

n-Nitroso-di-n-propylamine

Concen: 0.819 ng

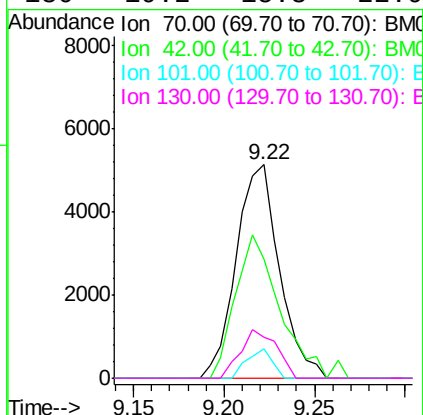
RT: 9.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.5	44.5	66.7
101	14.0	7.4	11.2
130	19.2	15.3	22.9



Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

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#20

3+4-Methylphenols

Concen: 0.829 ng

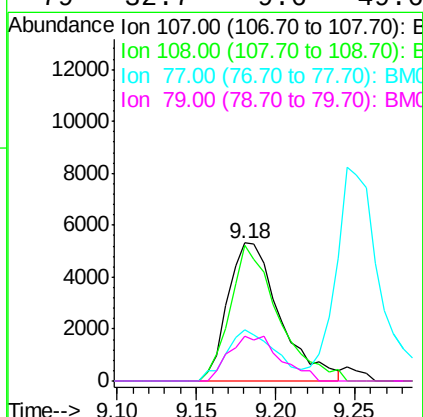
RT: 9.18 min Scan# 1002

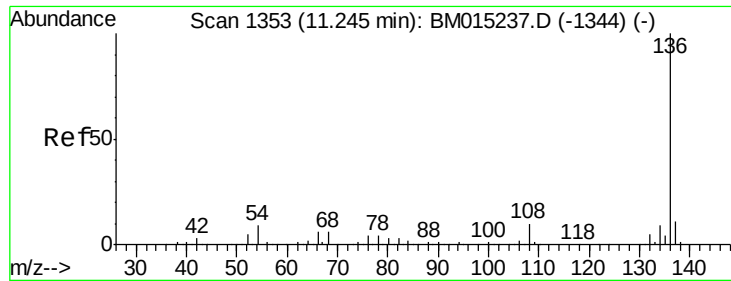
Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	98.2	73.2	113.2
77	37.1	10.7	50.7
79	32.7	9.6	49.6





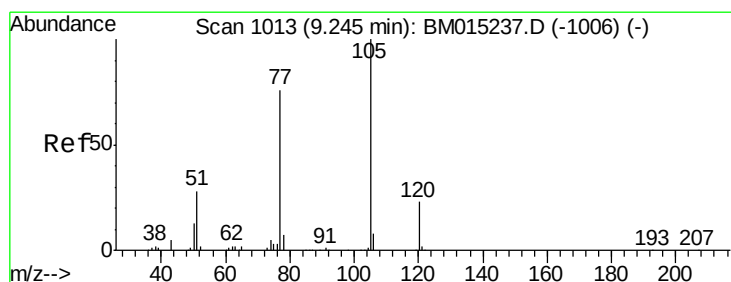
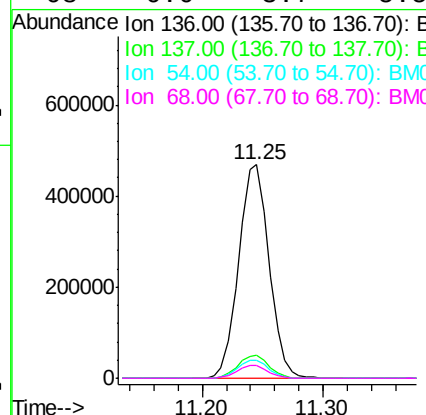
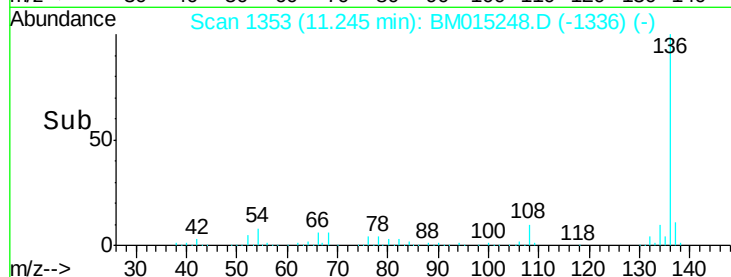
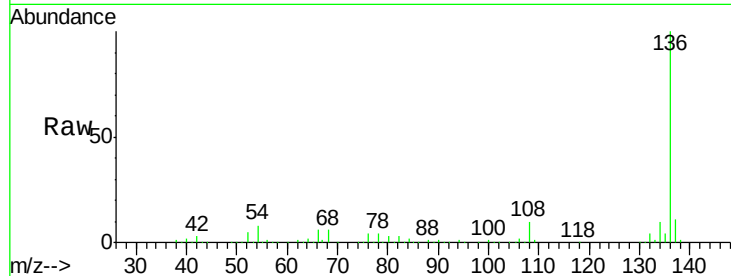
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	824539		
137	10.6	8.7	13.1	
54	8.3	4.6	6.8#	
68	6.0	3.7	5.5#	

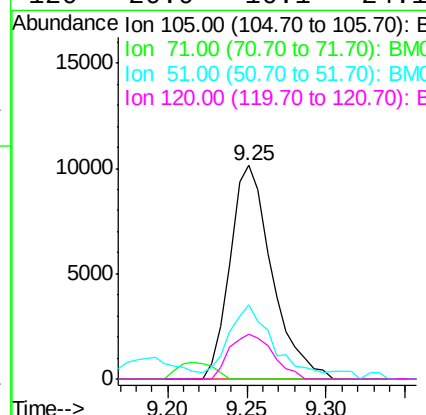
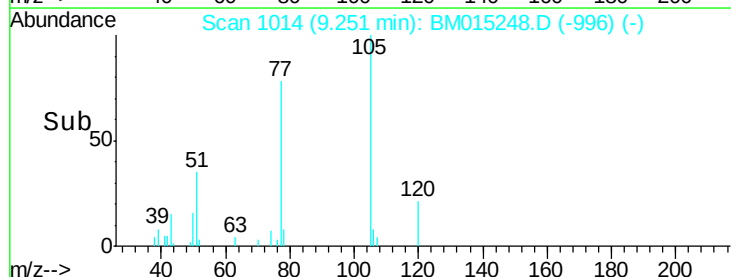
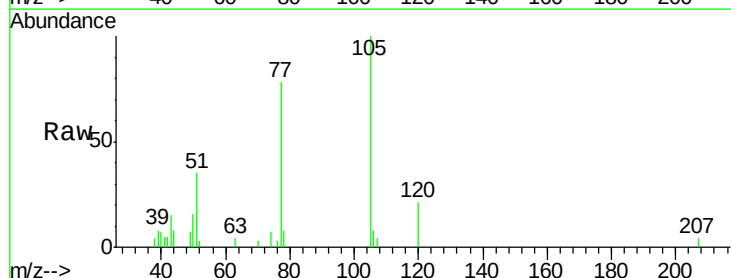
Manual Integrations
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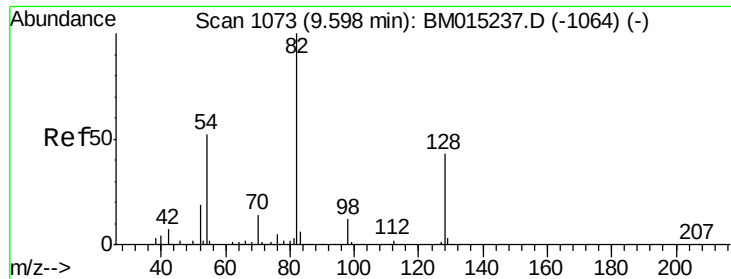
Sohil
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#22
Acetophenone
Concen: 0.938 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	18546		
71	0.0	0.6	1.0#	
51	34.9	21.6	32.4#	
120	20.9	16.1	24.1	





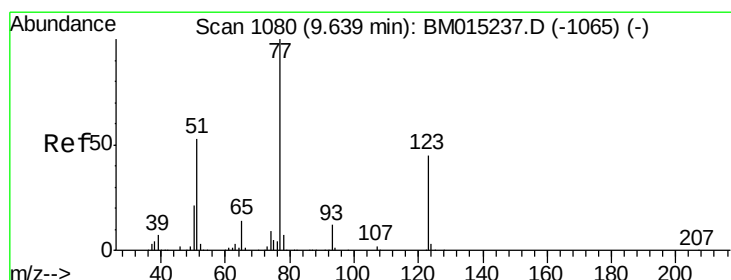
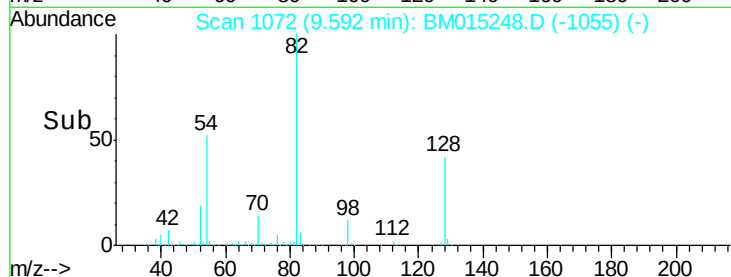
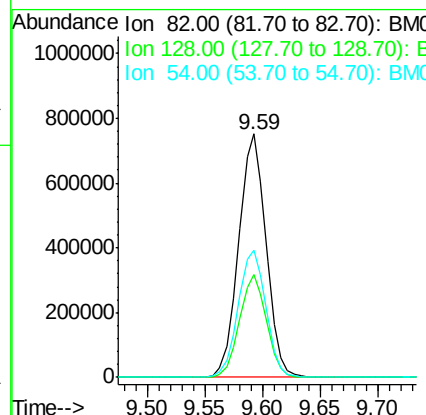
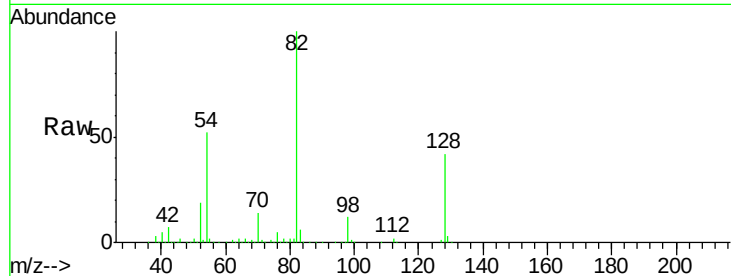
#23
 Nitrobenzene-d5
 Concen: 82.065 ng
 RT: 9.59 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.8	49.2
54	52.3	40.6	60.8

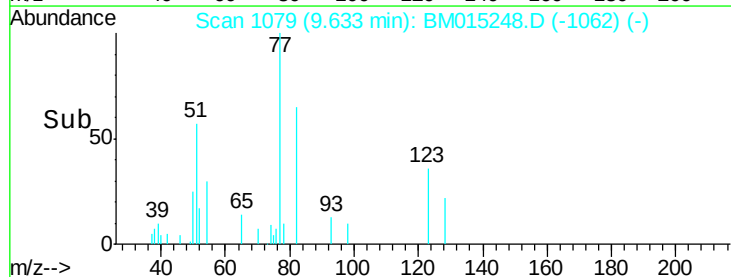
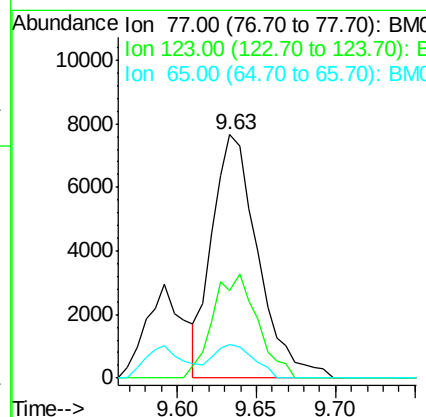
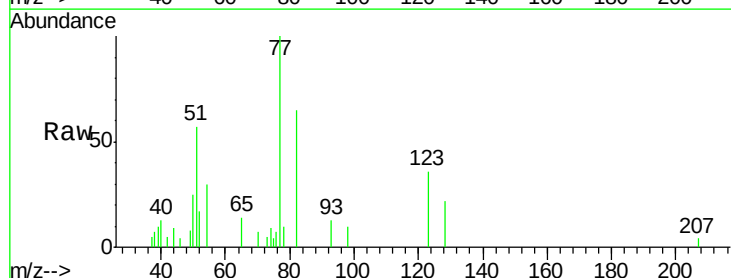
Manual Integrations
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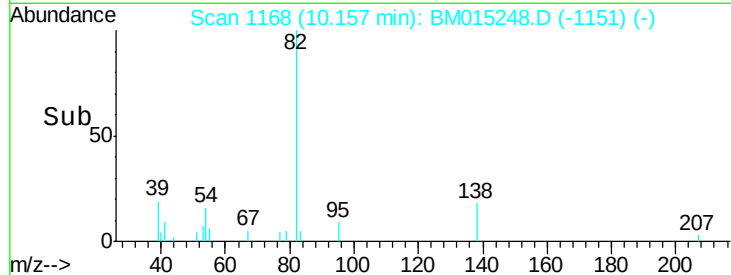
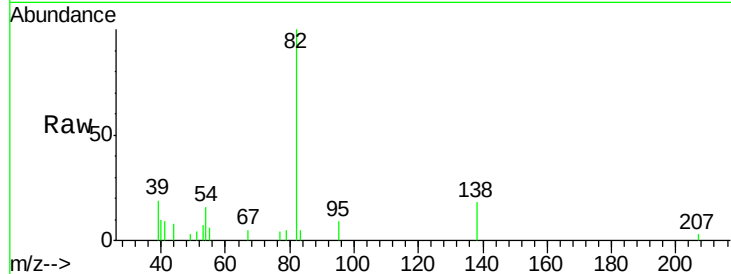
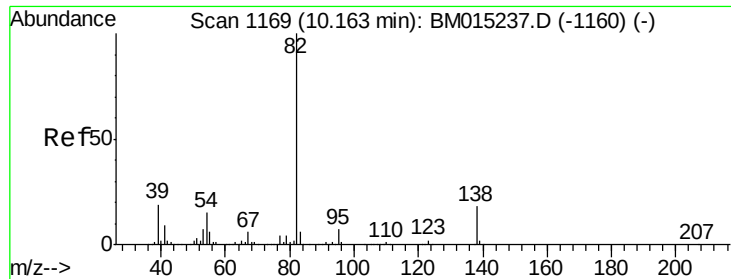
Sohil
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#24
 Nitrobenzene
 Concen: 0.982 ng
 RT: 9.63 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.0	32.6	49.0
65	14.0	10.9	16.3





#25

Isophorone

Concen: 0.774 ng

RT: 10.16 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	82	Resp:	20018
Ion Ratio	Lower	Upper	
82	100		
95	8.7	5.8	8.6#
138	18.1	16.3	24.5

Instrument :

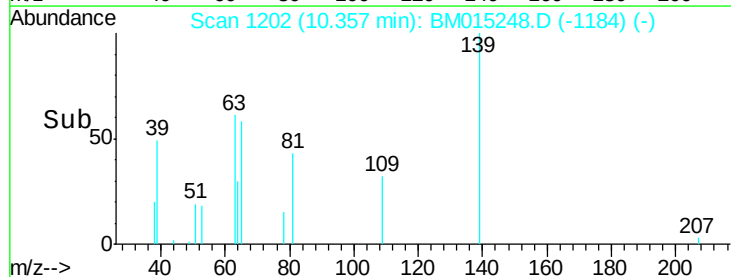
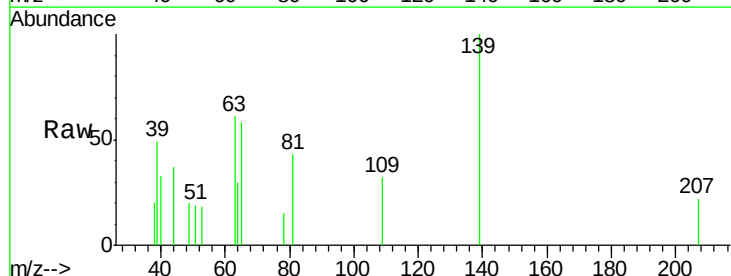
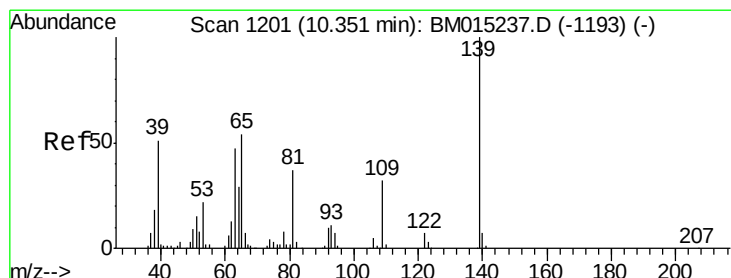
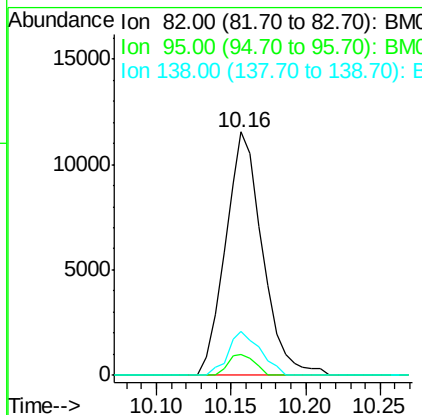
BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Manual Integrations
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#26

2-Nitrophenol

Concen: 0.576 ng

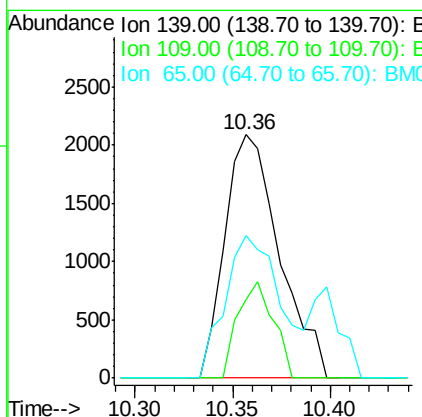
RT: 10.36 min Scan# 1202

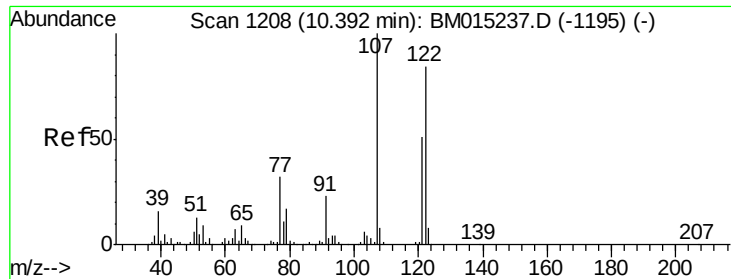
Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	139	Resp:	4051
Ion Ratio	Lower	Upper	
139	100		
109	32.1	20.1	30.1#
65	58.3	31.5	47.3#





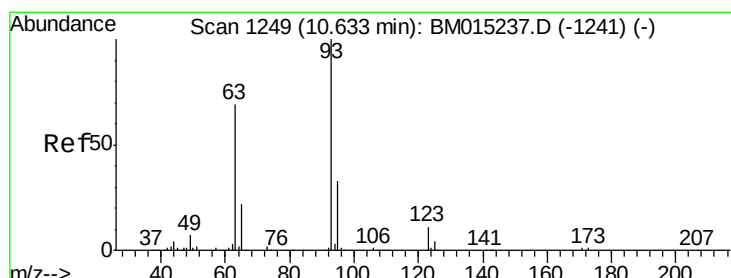
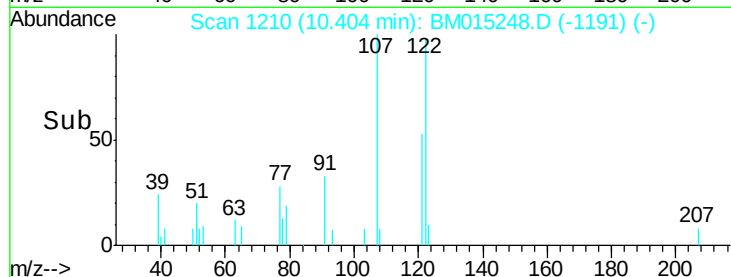
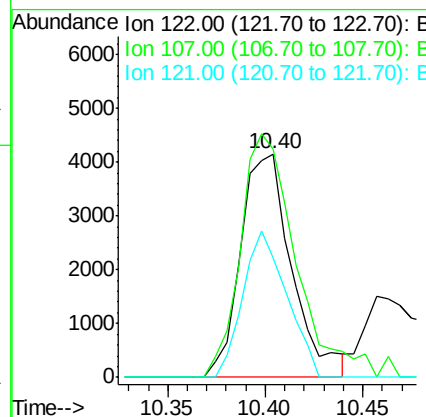
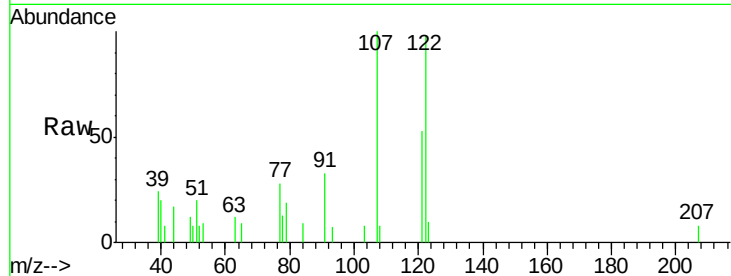
#27
 2,4-Dimethylphenol
 Concen: 0.592 ng
 RT: 10.40 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	102.1	84.7	127.1
121	53.7	46.6	69.8

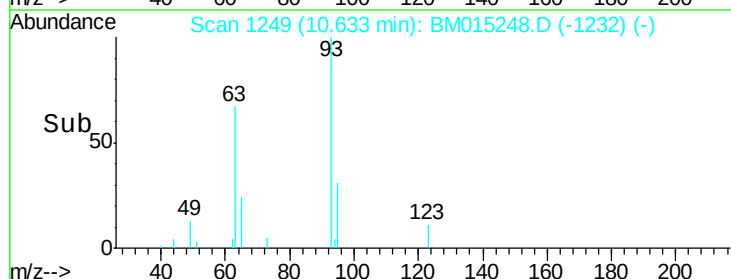
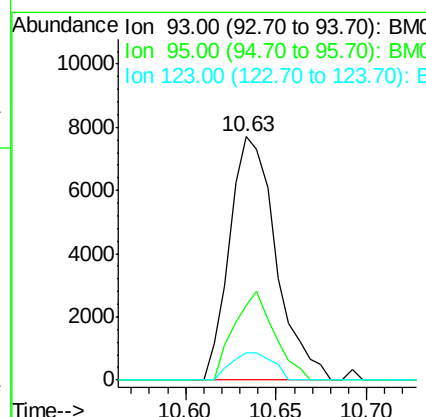
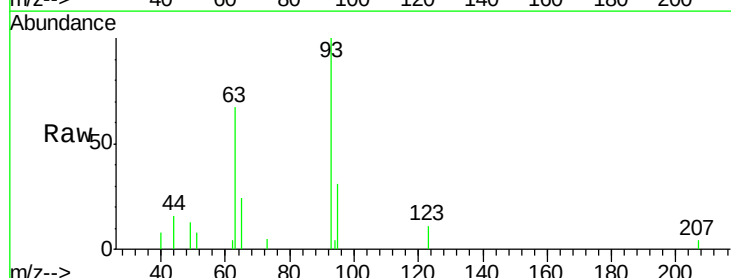
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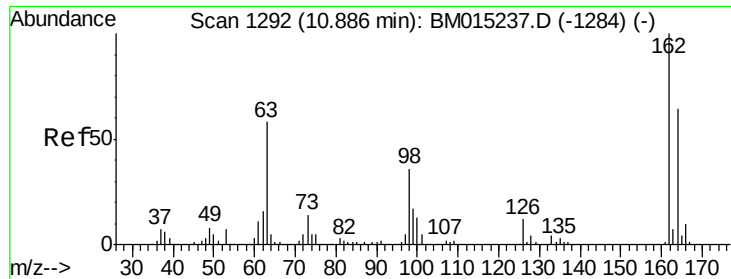
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#28
 bis(2-Chloroethoxy)methane
 Concen: 0.810 ng
 RT: 10.63 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.6	25.5	38.3
123	11.0	8.6	13.0





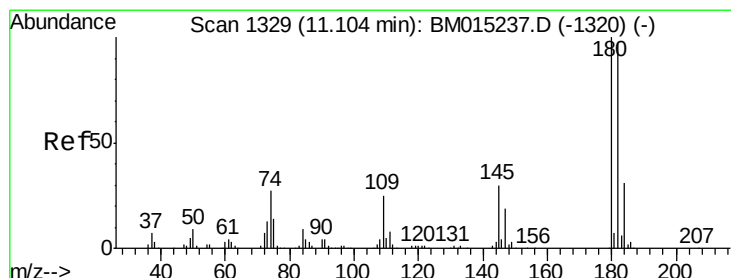
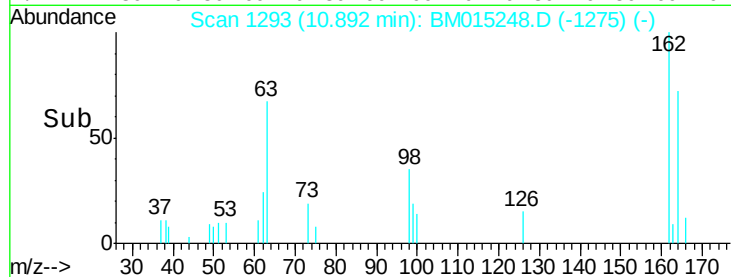
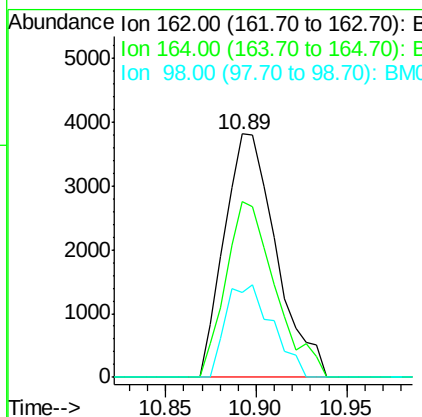
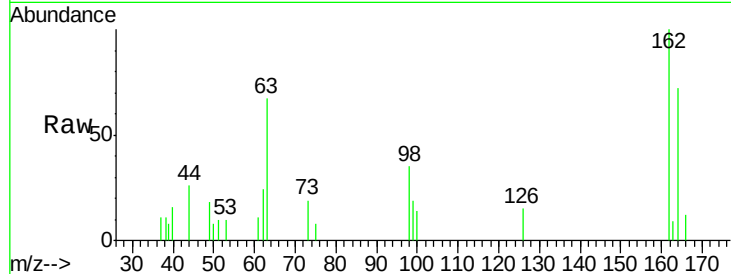
#29
 2,4-Dichlorophenol
 Concen: 0.631 ng
 RT: 10.89 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	7616		
164	72.4	42.8	82.8	
98	34.7	14.5	54.5	

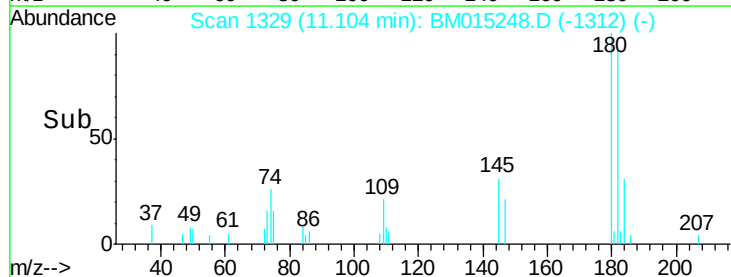
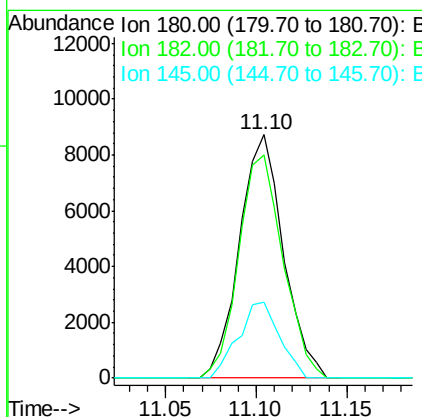
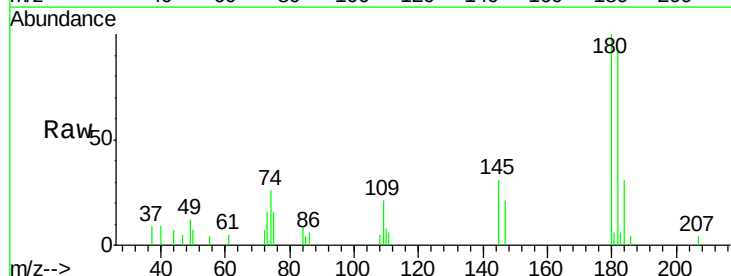
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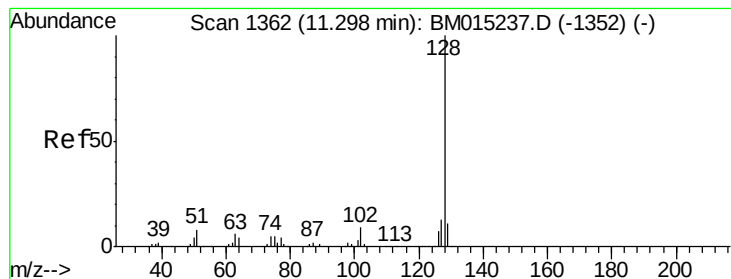
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 1.032 ng
 RT: 11.10 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	14685		
182	91.9	77.6	116.4	
145	31.0	23.4	35.2	





#31

Naphthalene

Concen: 1.007 ng

RT: 11.29 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

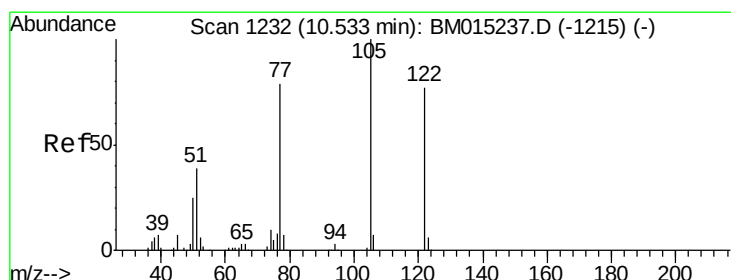
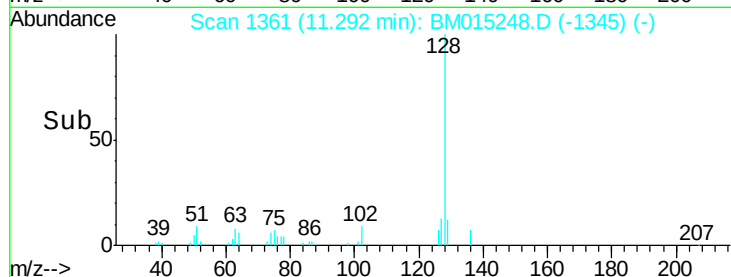
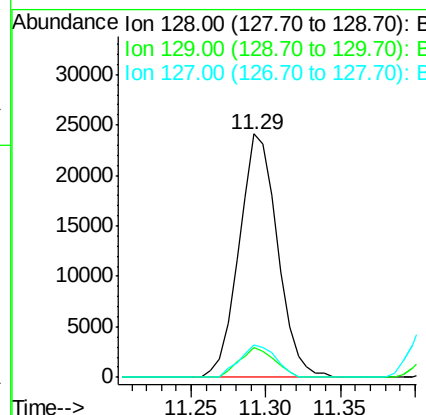
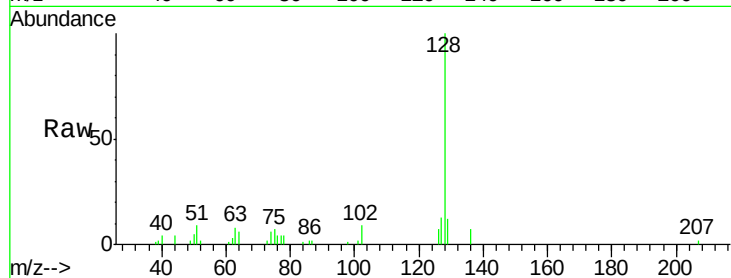
ClientSampleId :

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Tgt Ion:	128	Resp:	43138
Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.9	13.3
127	13.4	10.4	15.6

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#32

Benzoic acid

Concen: 0.539 ng

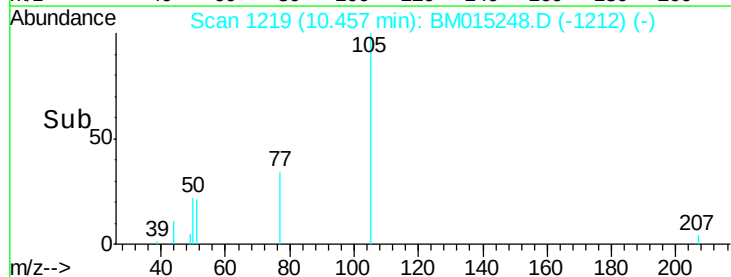
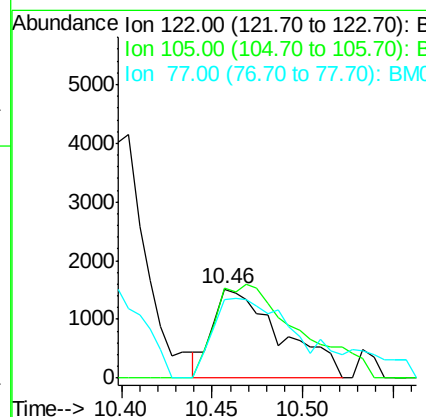
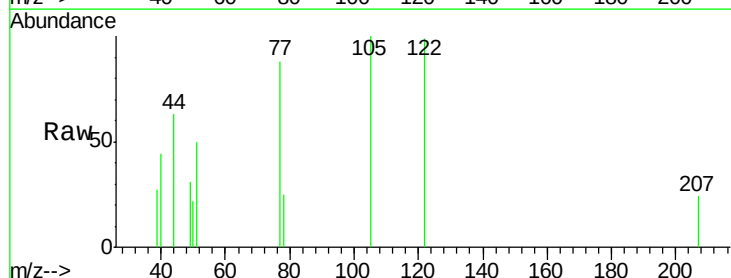
RT: 10.46 min Scan# 1219

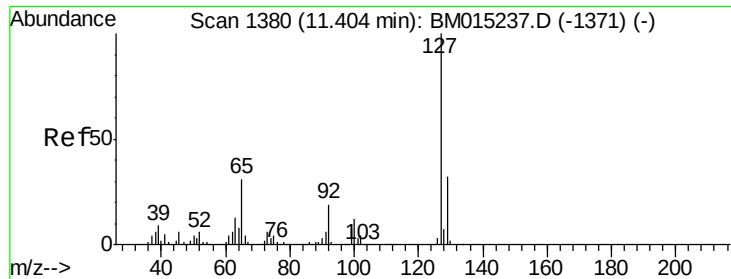
Delta R.T. -0.06 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	122	Resp:	3978
Ion	Ratio	Lower	Upper
122	100		
105	101.0	99.9	139.9
77	89.0	73.7	113.7





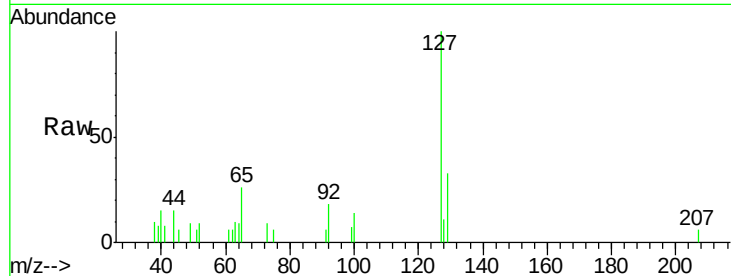
#33
4-Chloroaniline
Concen: 0.753 ng
RT: 11.42 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

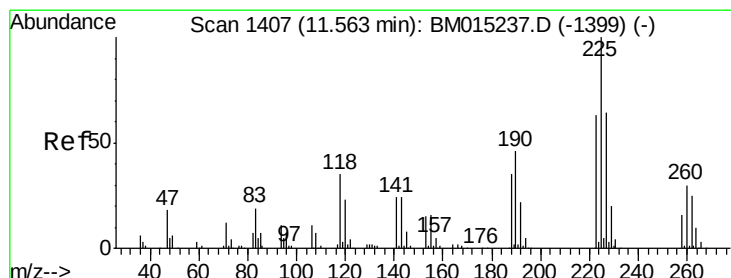
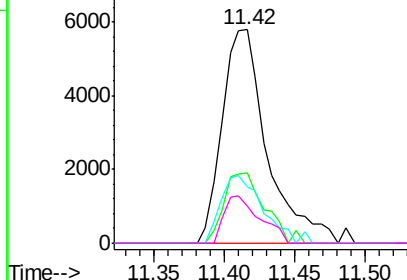
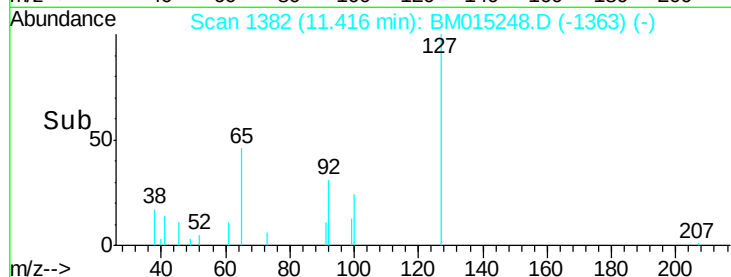
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	12883		
129	32.8	25.3	37.9	
65	26.4	17.6	26.4	
92	17.5	13.1	19.7	

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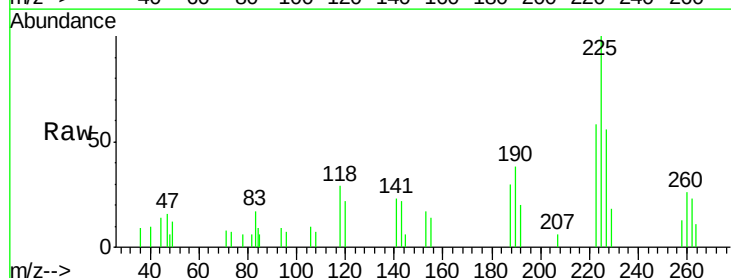


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

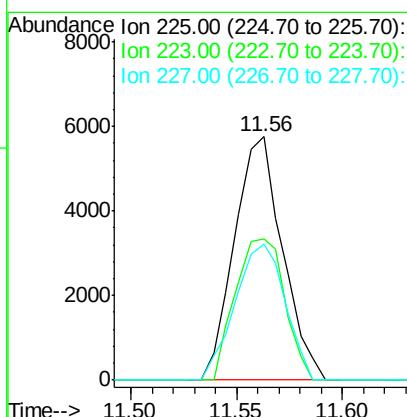
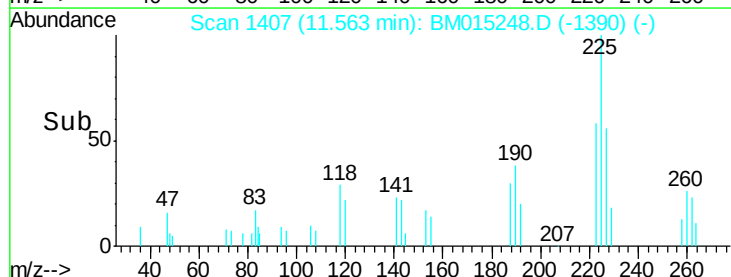


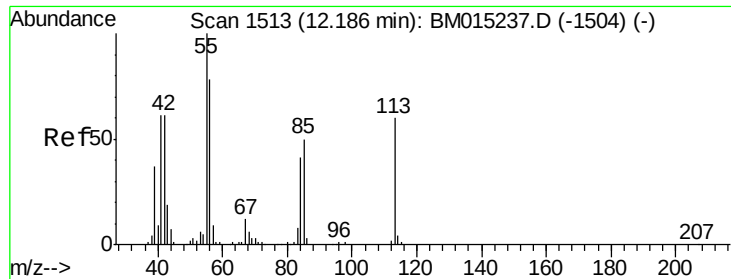
#34
Hexachlorobutadiene
Concen: 1.073 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9078		
223	57.9	47.9	71.9	
227	56.0	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: 0.403 ng

RT: 12.17 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

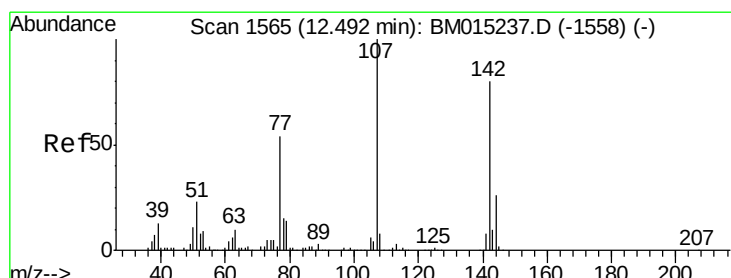
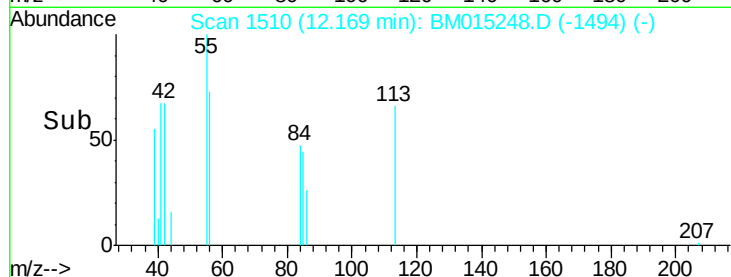
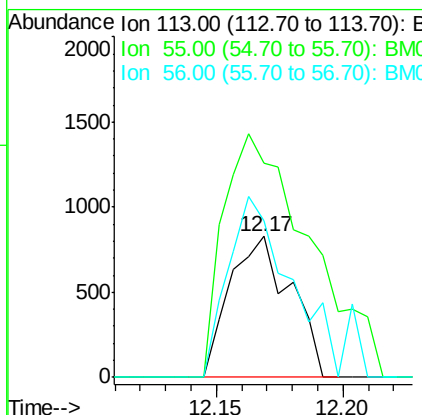
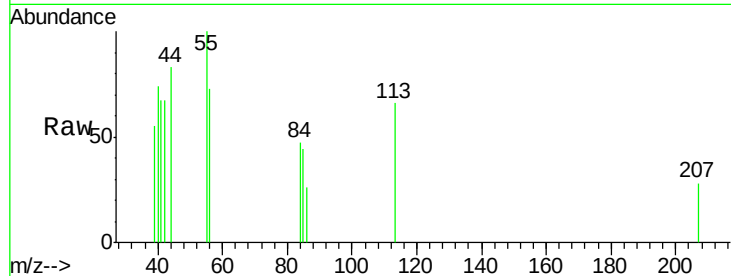
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	113	Resp:	1378
Ion Ratio	Lower	Upper	
113	100		
55	152.0	145.9	185.9
56	110.9	101.0	141.0

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#36

4-Chloro-3-methylphenol

Concen: 0.667 ng

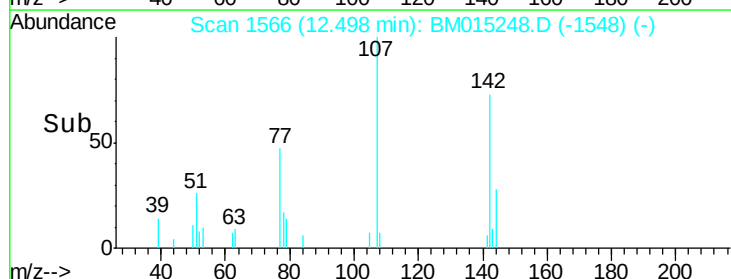
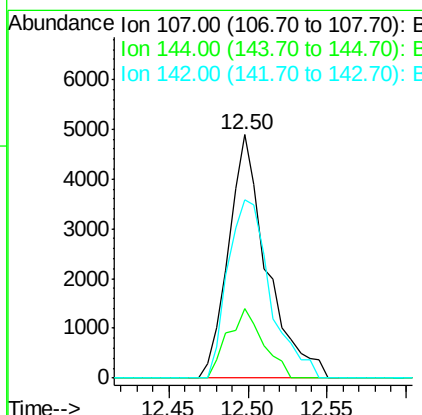
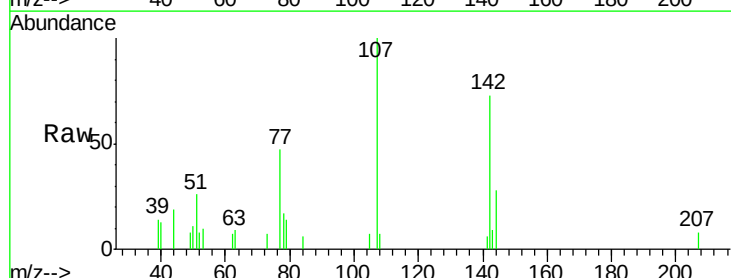
RT: 12.50 min Scan# 1566

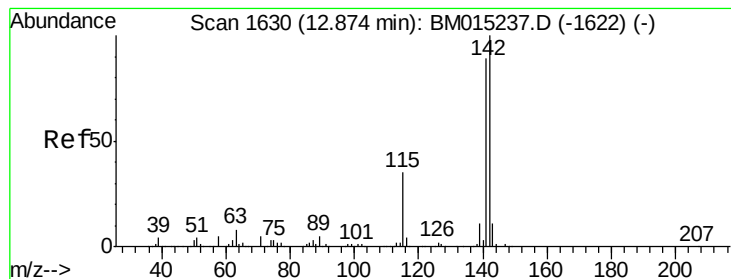
Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	107	Resp:	8225
Ion Ratio	Lower	Upper	
107	100		
144	28.4	23.3	34.9
142	73.3	72.6	109.0





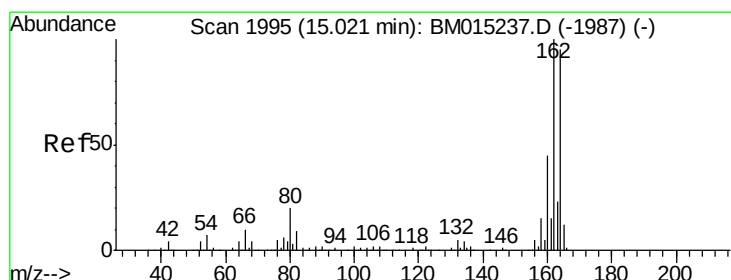
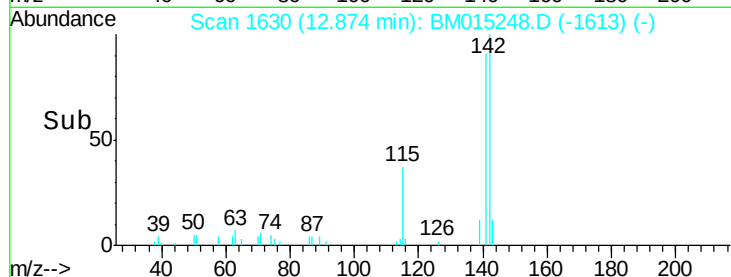
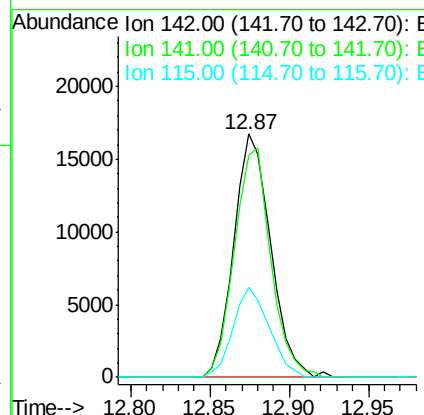
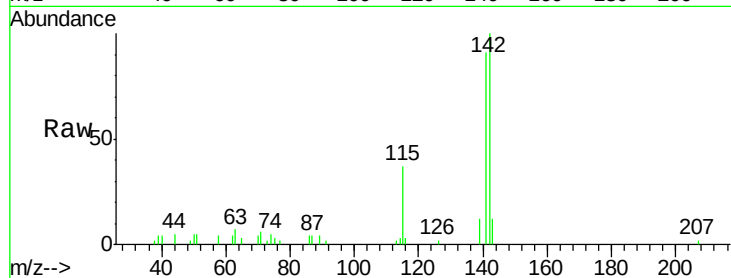
#37
 2-Methylnaphthalene
 Concen: 0.909 ng
 RT: 12.87 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.9	107.9
115	37.0	25.4	38.0

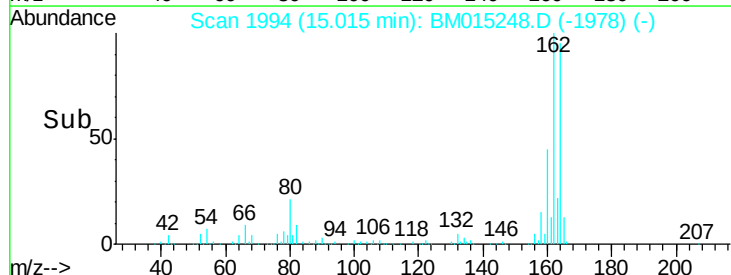
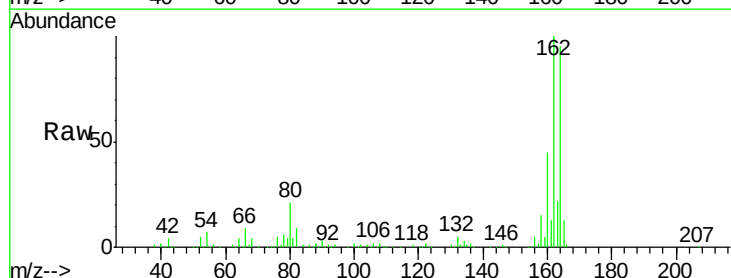
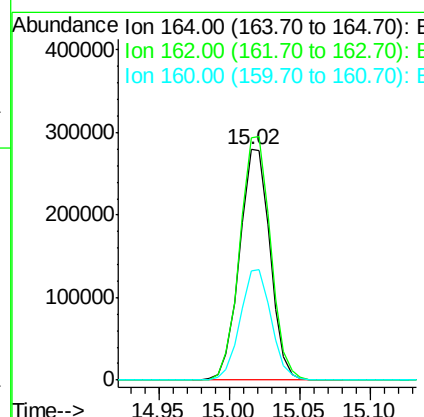
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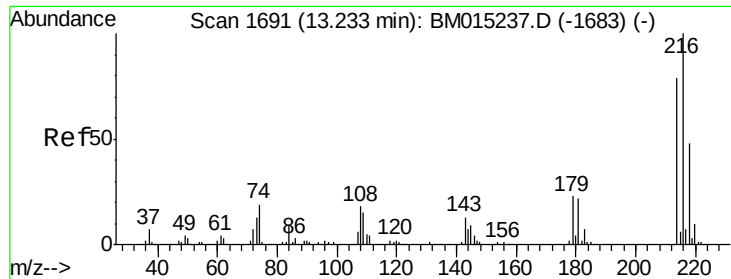
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.02 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.4	123.6
160	47.7	35.8	53.6





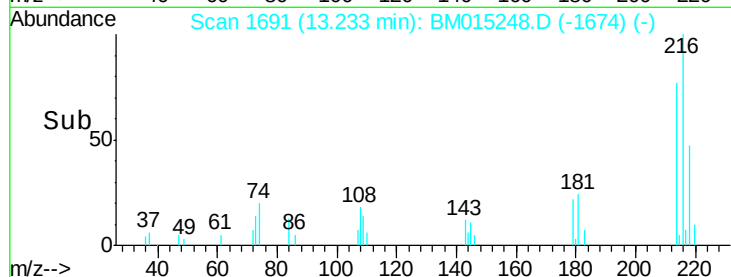
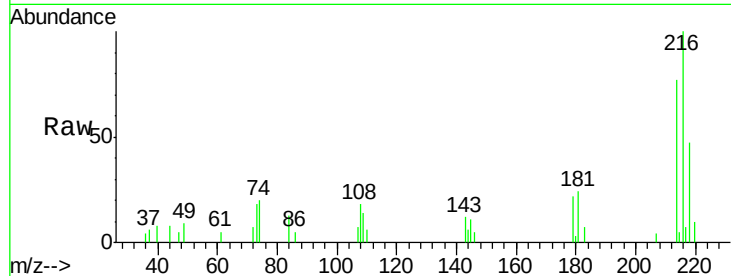
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.001 ng
 RT: 13.23 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

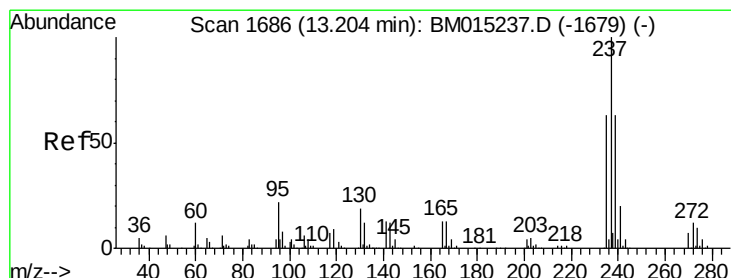
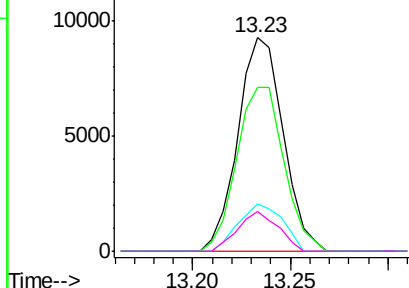
Tgt Ion	Ratio	Resp Lower	Upper
216	100		
214	80.1	0.0	0.0#
179	21.7	0.0	0.0#
108	16.5	0.0	0.0#

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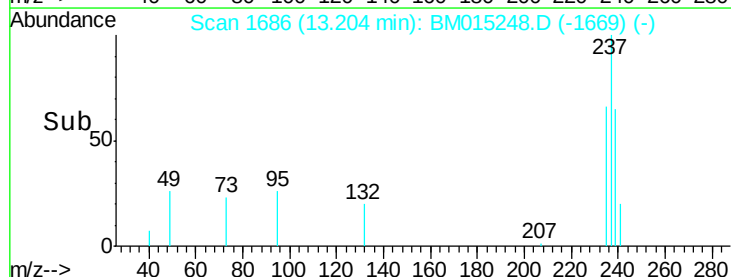
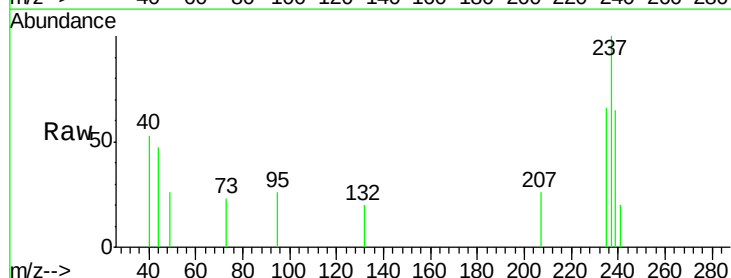


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

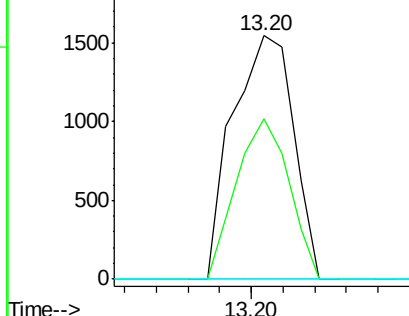


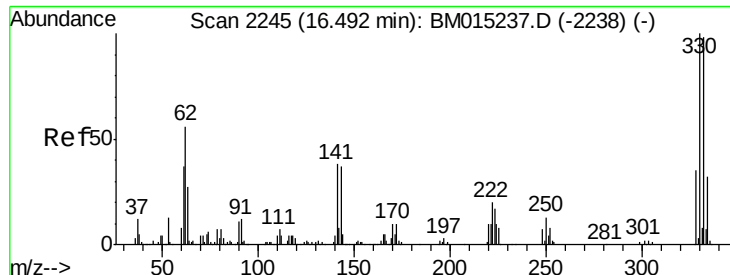
#40
 Hexachlorocyclopentadiene
 Concen: 5.469 ng
 RT: 13.20 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	66.1	42.0	82.0
272	0.0	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





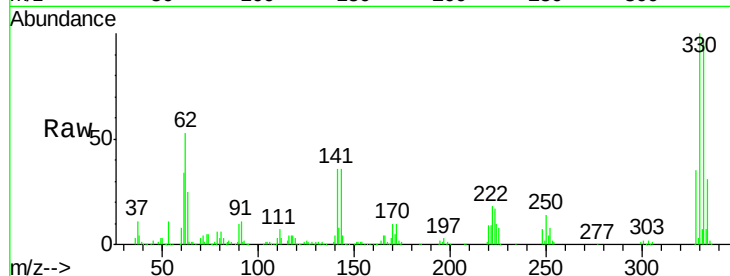
#41
 2,4,6-Tribromophenol
 Concen: 143.481 ng
 RT: 16.49 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

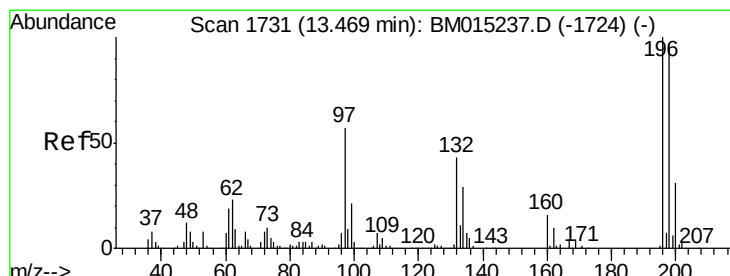
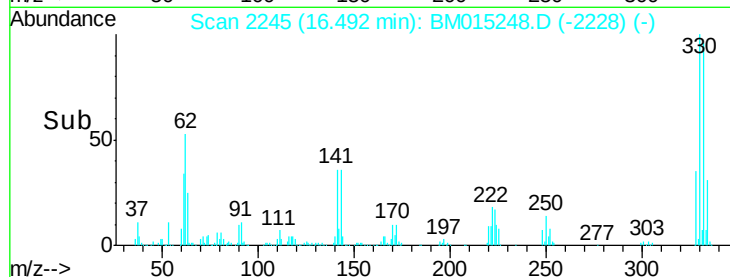
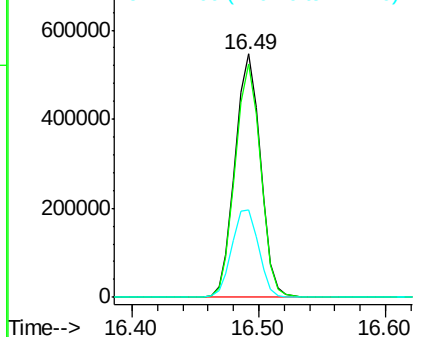
Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.1	0.0	0.0#
141	38.0	0.0	0.0#

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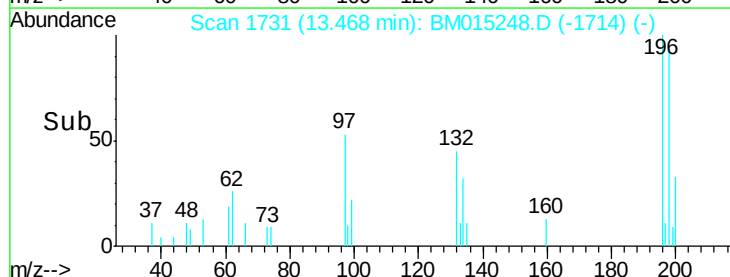
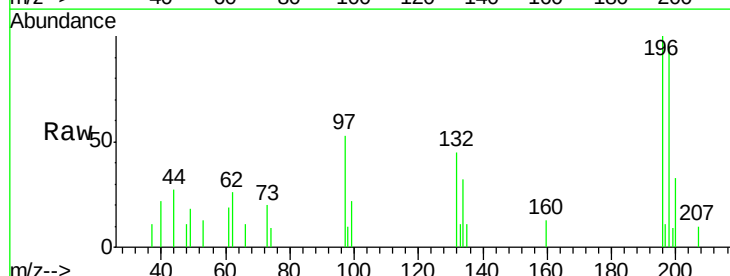
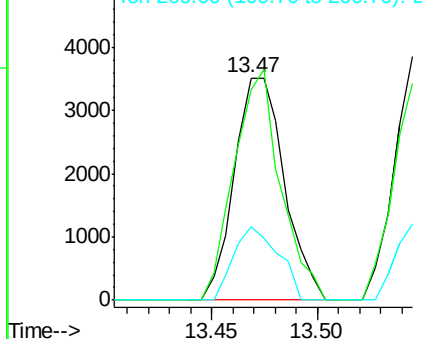
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

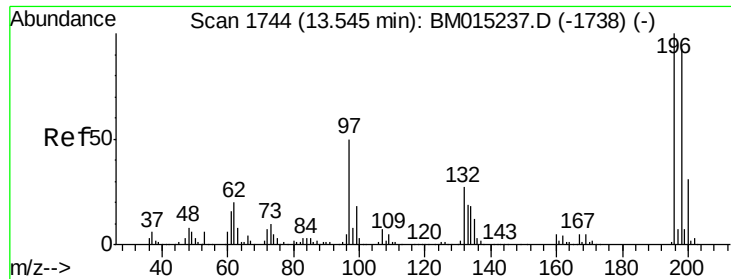


#42
 2,4,6-Trichlorophenol
 Concen: 0.648 ng
 RT: 13.47 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
196	100		
198	94.7	76.3	114.5
200	32.7	25.6	38.4

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





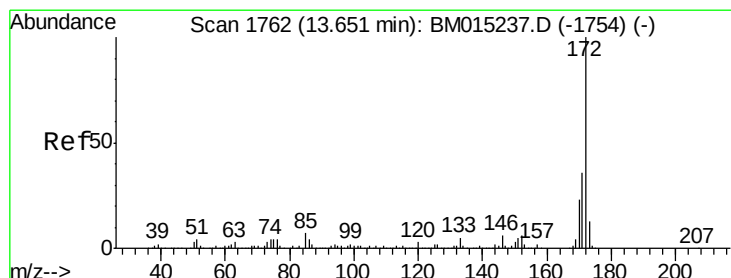
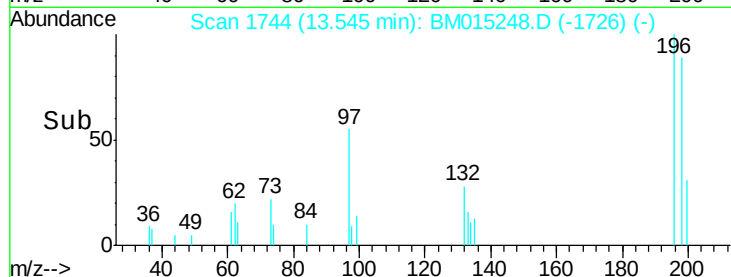
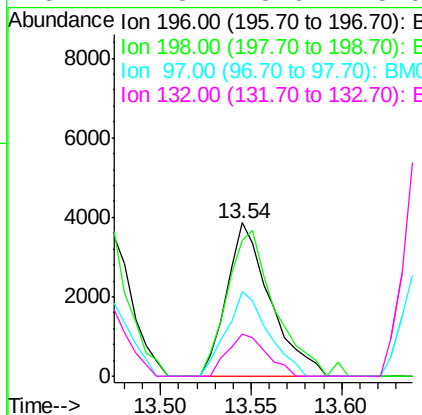
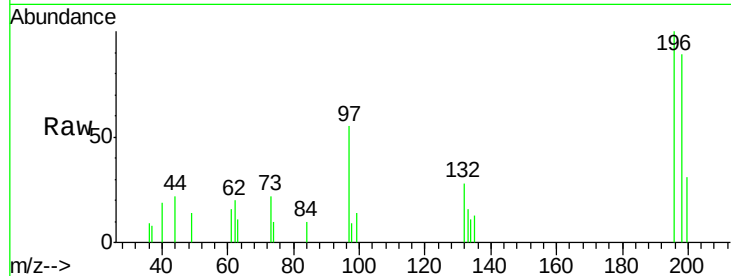
#43
 2,4,5-Trichlorophenol
 Concen: 0.671 ng
 RT: 13.54 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	6459		
198	88.8	79.4	119.0	
97	55.1	26.8	40.2	
132	27.8	18.6	28.0	

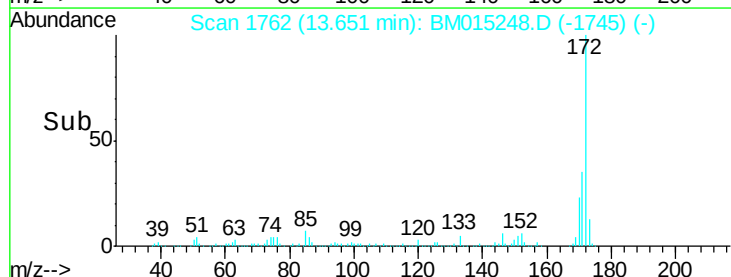
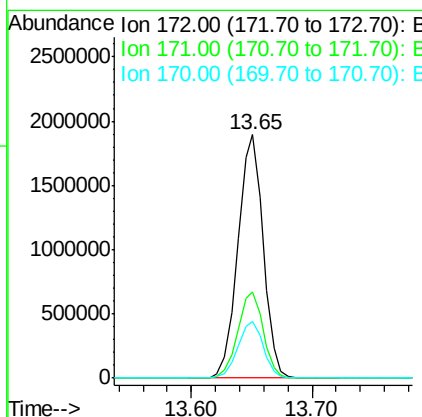
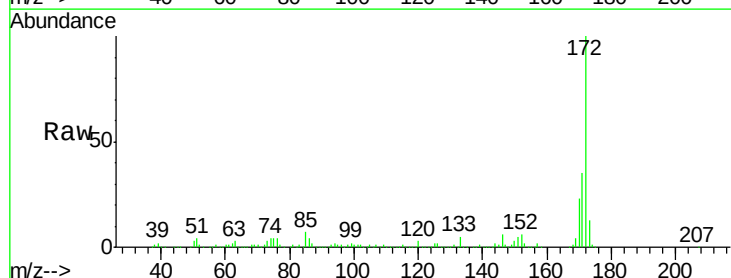
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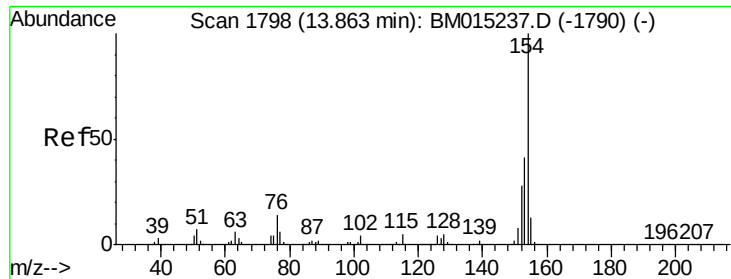
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 81.406 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2756995		
171	35.5	28.5	42.7	
170	23.3	18.8	28.2	





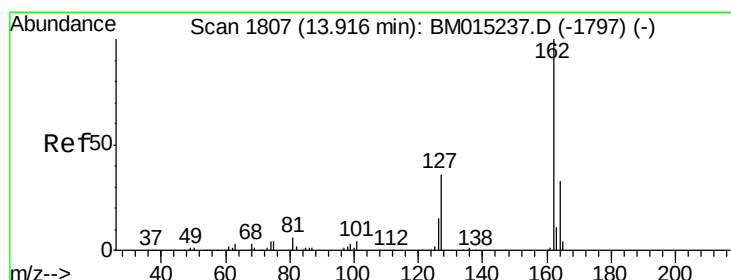
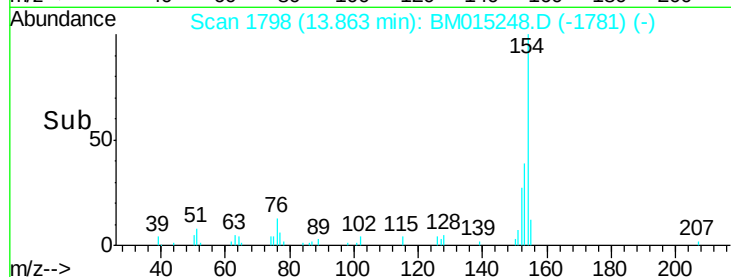
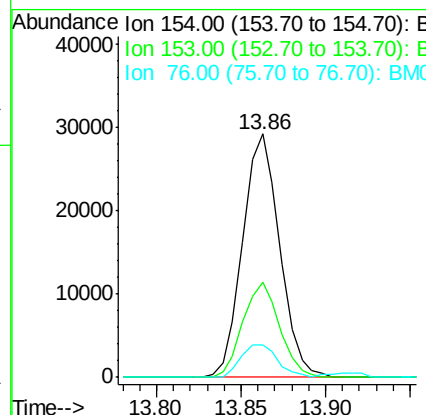
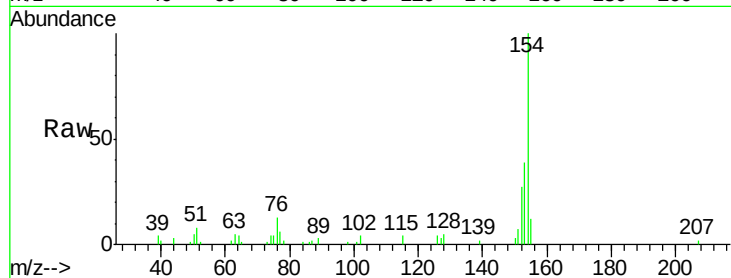
#45
 1,1'-Biphenyl
 Concen: 1.214 ng
 RT: 13.86 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.7	60.7
76	13.1	0.0	30.9

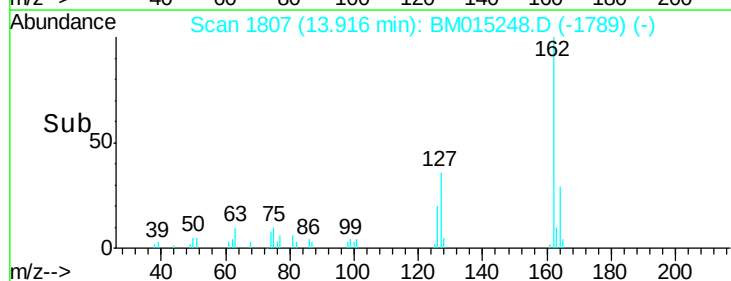
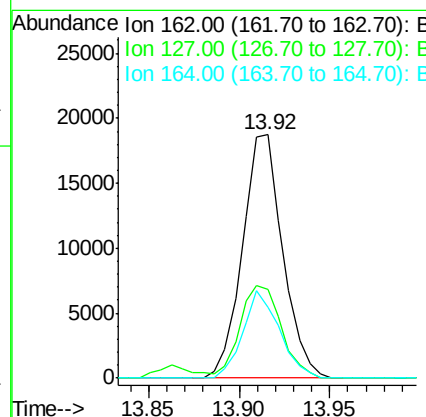
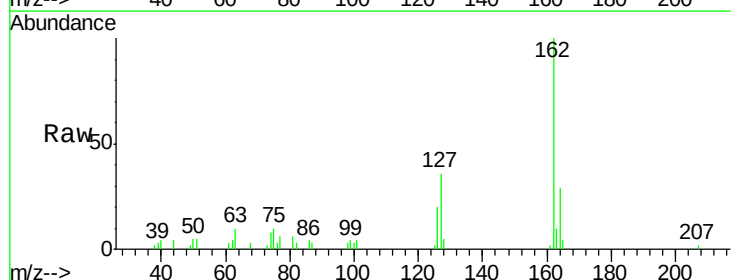
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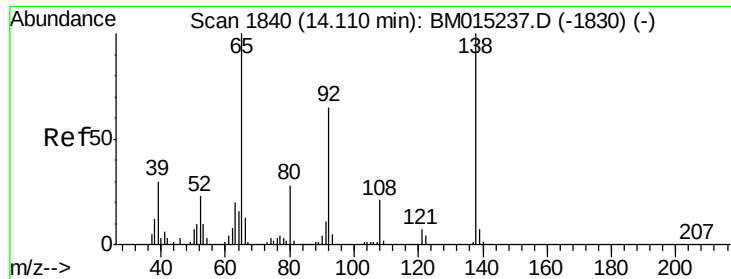
Sohil
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#46
 2-Chloronaphthalene
 Concen: 1.020 ng
 RT: 13.92 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.5	26.9	40.3
164	29.2	26.8	40.2





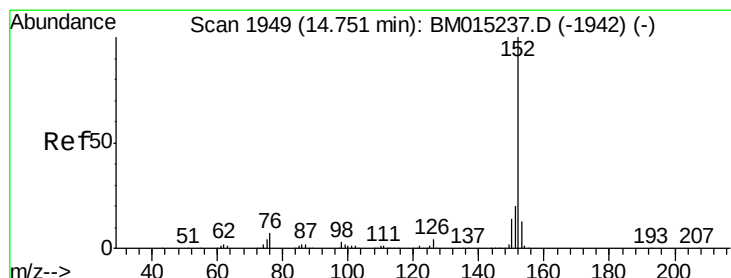
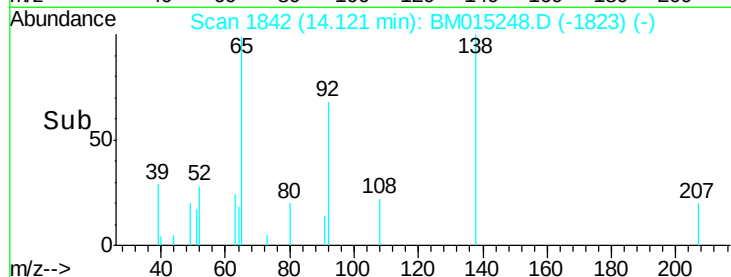
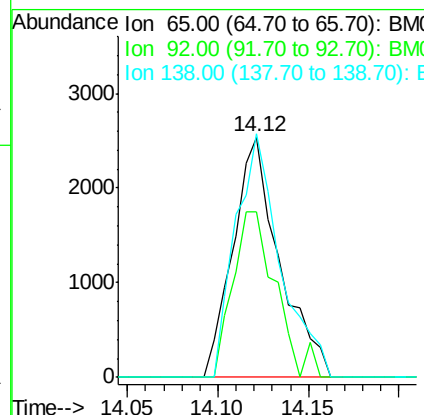
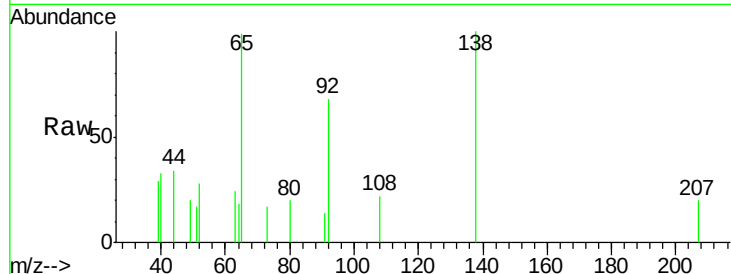
#47
 2-Nitroaniline
 Concen: 0.560 ng
 RT: 14.12 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.0	59.1	88.7
138	101.5	93.9	140.9

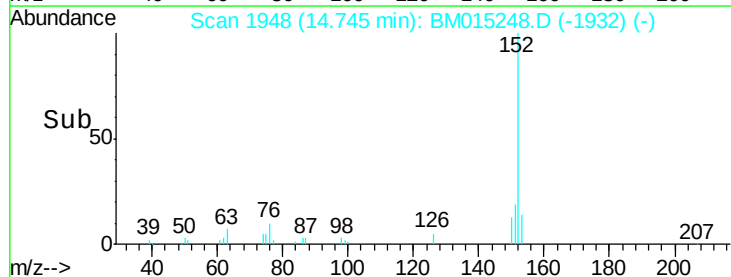
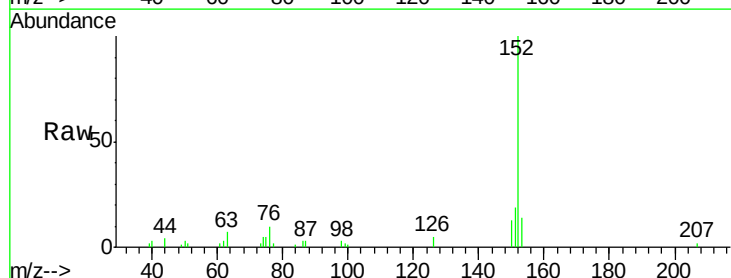
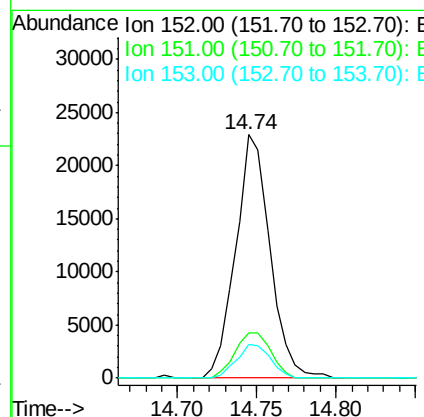
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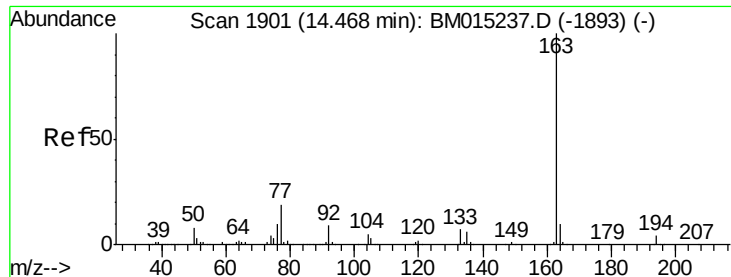
Sohil
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#48
 Acenaphthylene
 Concen: 0.820 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.9	23.9
153	13.9	10.6	16.0





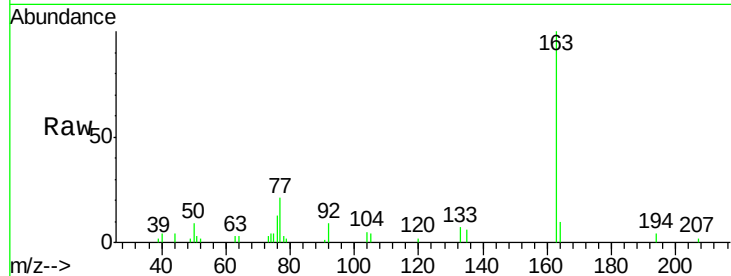
#49
Dimethylphthalate
Concen: 0.949 ng
RT: 14.46 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

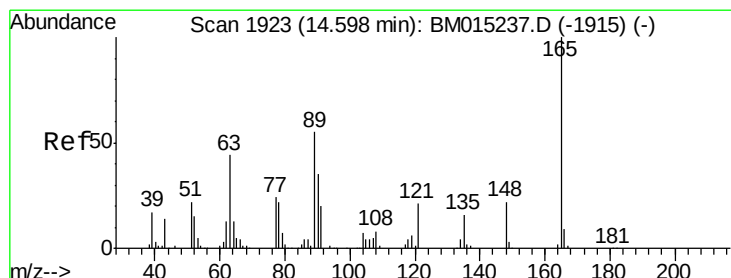
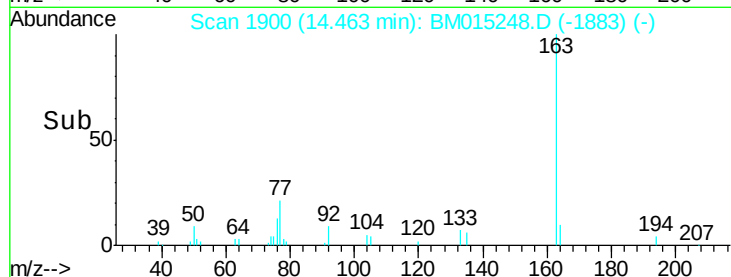
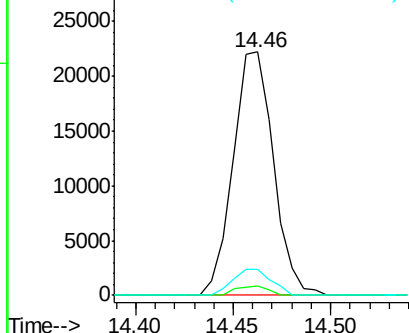
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	31886		
194	4.1	2.7	4.1#	
164	10.5	8.2	12.2	

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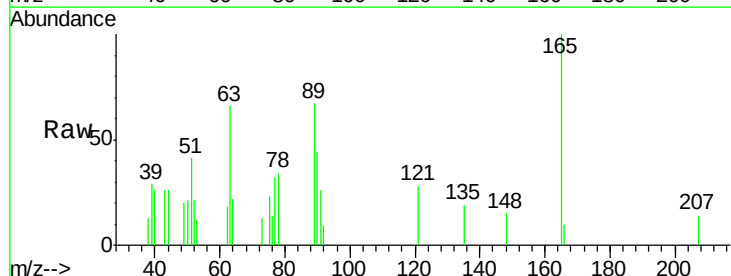


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

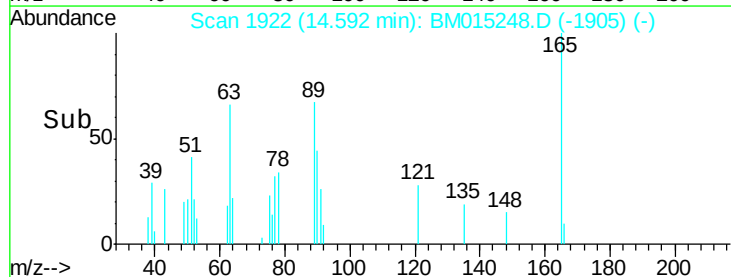
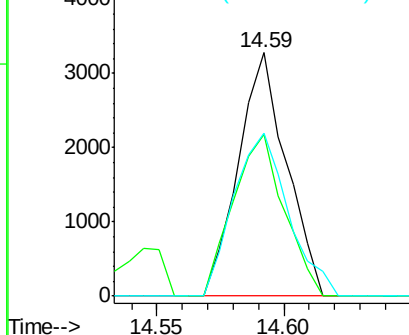


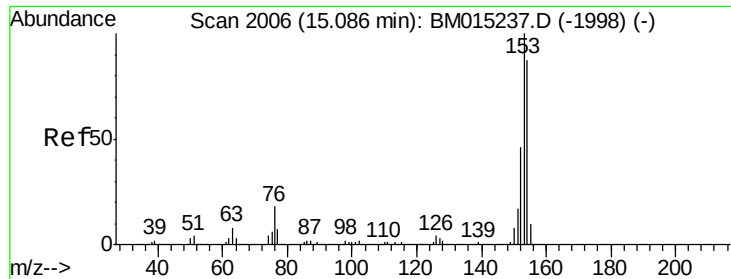
#50
2,6-Dinitrotoluene
Concen: 0.617 ng
RT: 14.59 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	4326		
63	66.3	44.1	66.1#	
89	66.8	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: 1.021 ng

RT: 15.08 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BM015248.D

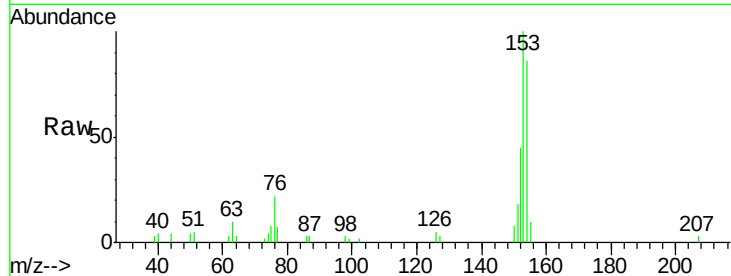
Acq: 22 May 2018 19:59

Instrument :

BNA_M

ClientSampleId :

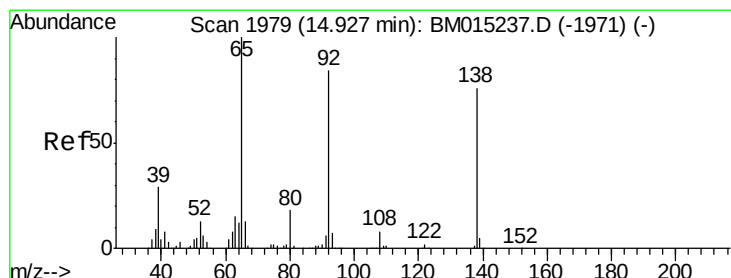
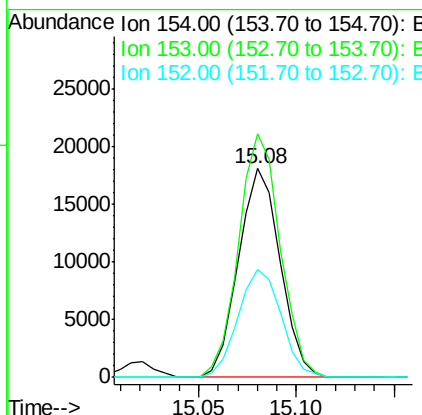
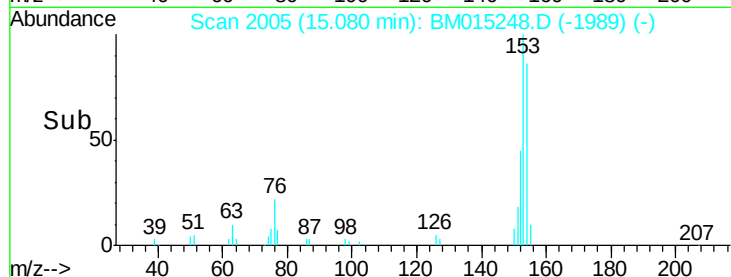
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Tgt Ion:	154	Resp:	26787
Ion Ratio	Lower	Upper	
154	100		
153	116.7	90.0	135.0
152	52.0	42.6	63.8

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#52

3-Nitroaniline

Concen: 0.515 ng

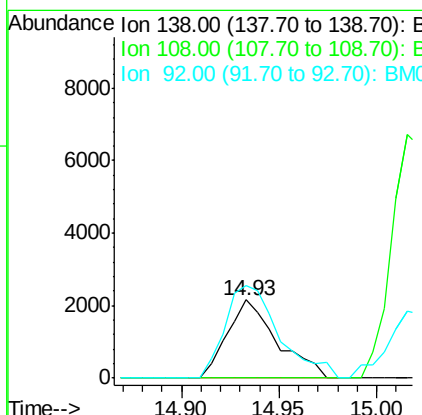
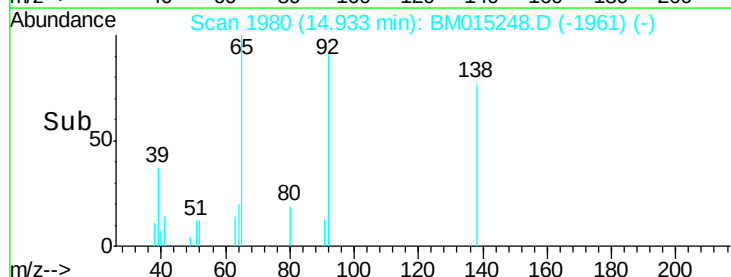
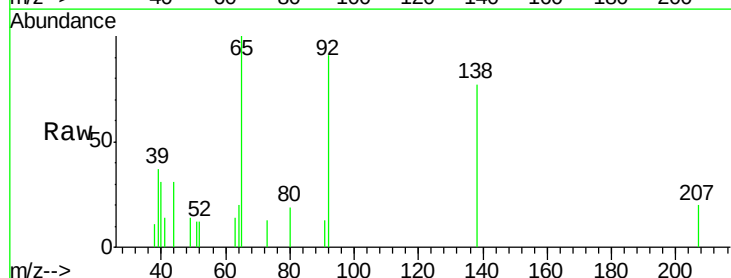
RT: 14.93 min Scan# 1980

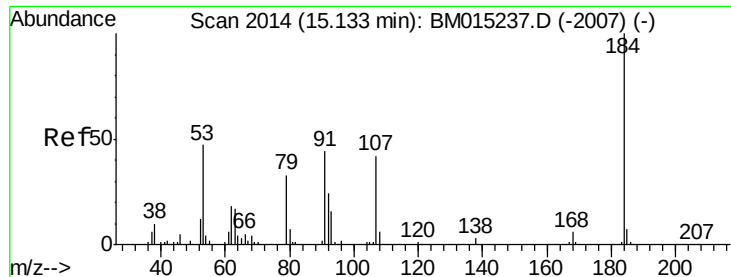
Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	138	Resp:	3798
Ion Ratio	Lower	Upper	
138	100		
108	0.0	7.3	10.9#
92	118.6	76.6	114.8#





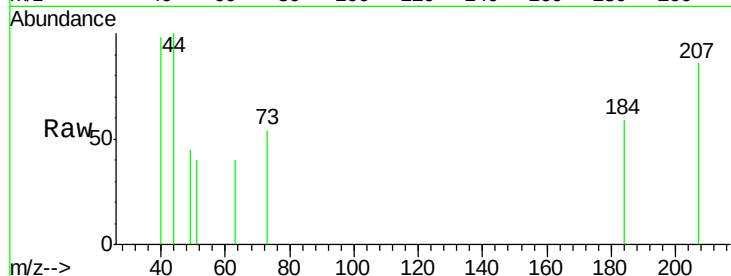
#53
2,4-Dinitrophenol
Concen: 6.703 ng
RT: 15.16 min Scan# 2018
Delta R.T. 0.02 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

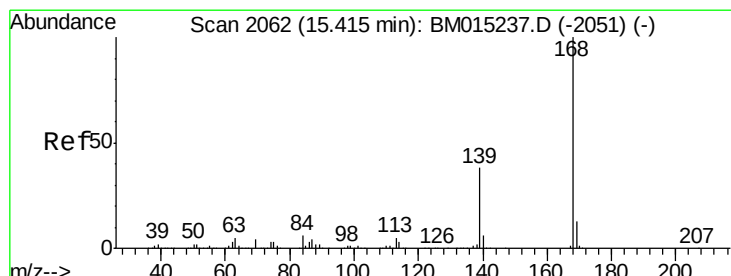
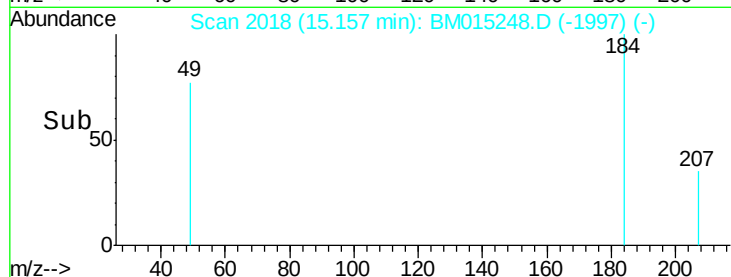
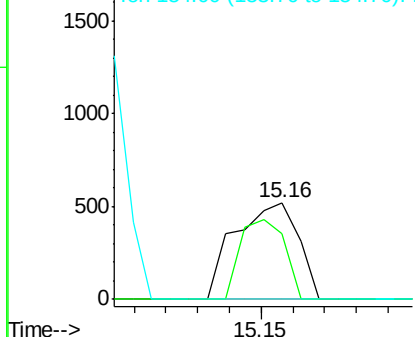
Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.4	69.2	103.8#
154	0.0	53.3	79.9#

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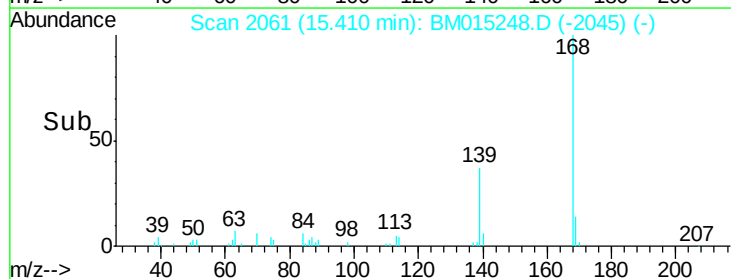
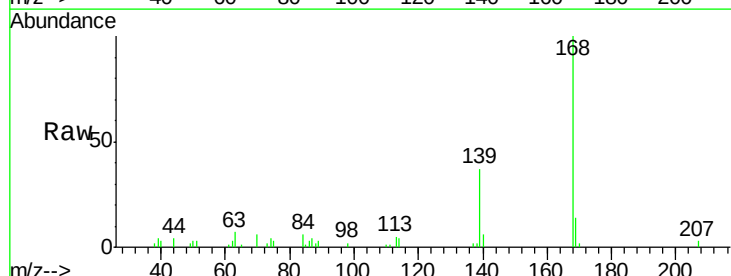
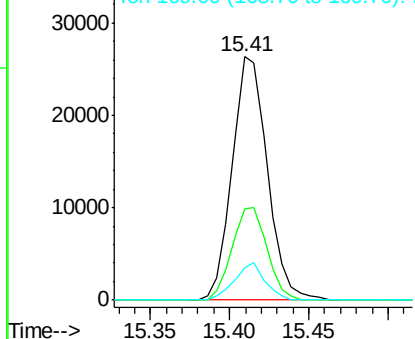
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM015248.D (-1997) (-)
Ion 154.00 (153.70 to 154.70): E

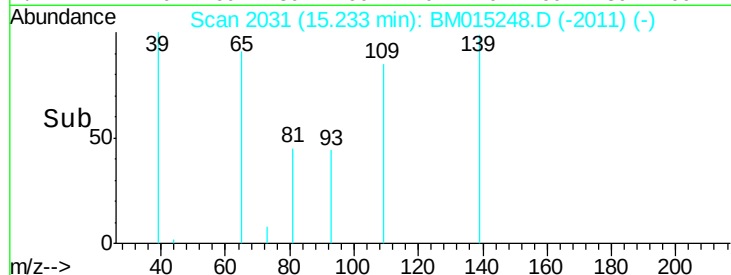
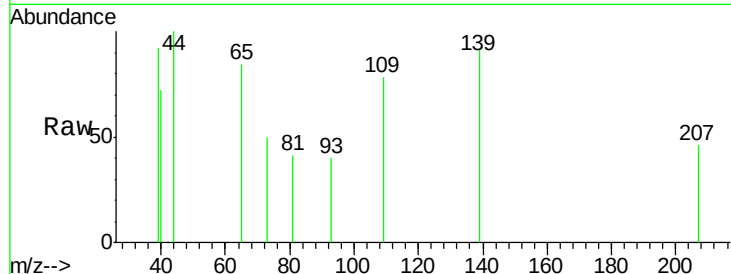
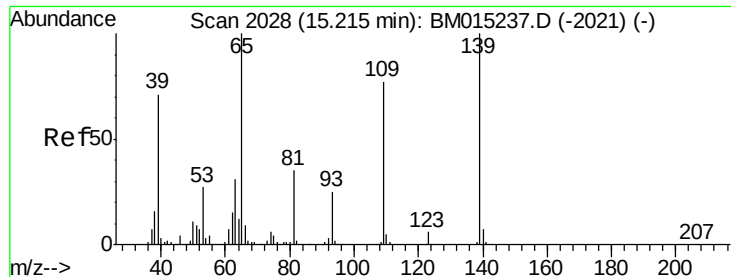


#54
Dibenzofuran
Concen: 0.980 ng
RT: 15.41 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	27.3	40.9
169	13.5	10.6	16.0

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





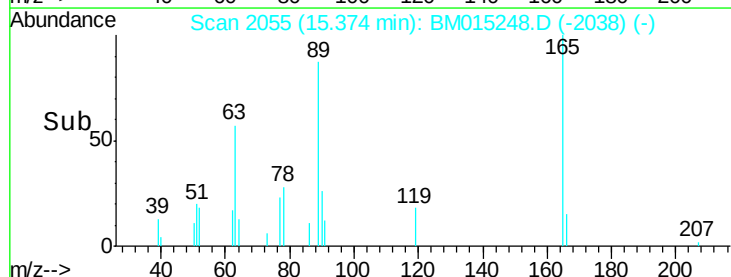
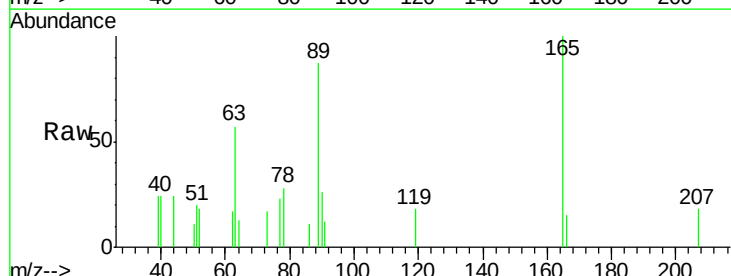
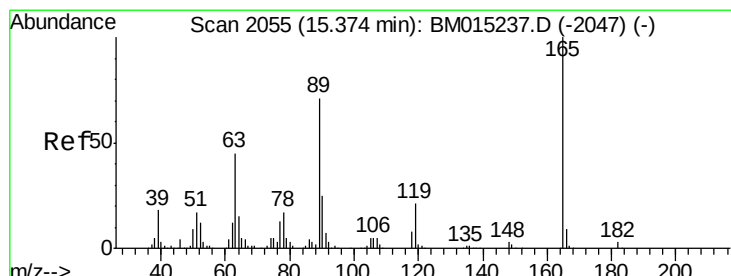
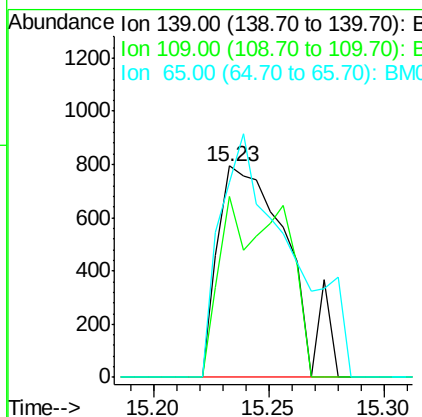
#55
4-Nitrophenol
Concen: 0.280 ng
RT: 15.23 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion:139 Resp: 1674
Ion Ratio Lower Upper
139 100
109 85.4 130.0 170.0#
65 92.1 130.0 170.0#

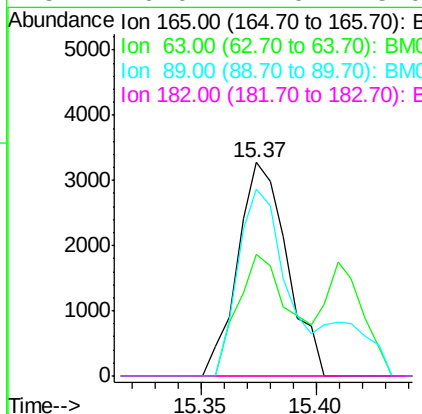
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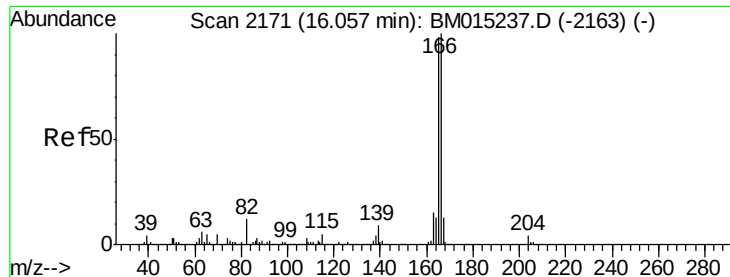
Sohil
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#56
2,4-Dinitrotoluene
Concen: 0.510 ng
RT: 15.37 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion:165 Resp: 4892
Ion Ratio Lower Upper
165 100
63 56.8 52.4 78.6
89 87.4 72.4 108.6
182 0.0 2.0 3.0#





#57

Fluorene

Concen: 0.922 ng

RT: 16.06 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

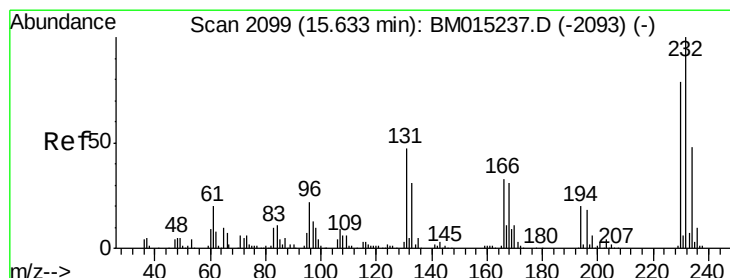
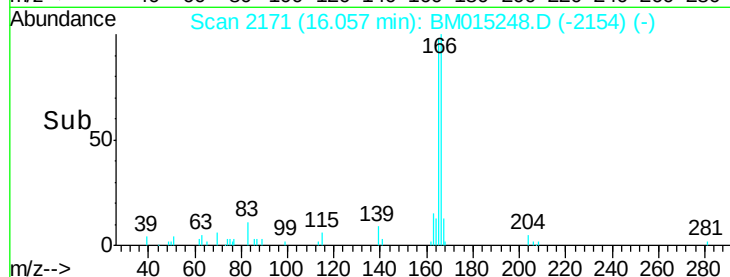
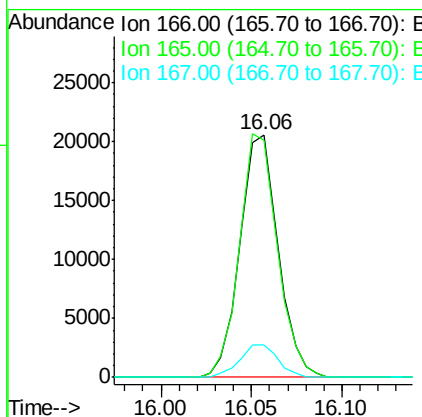
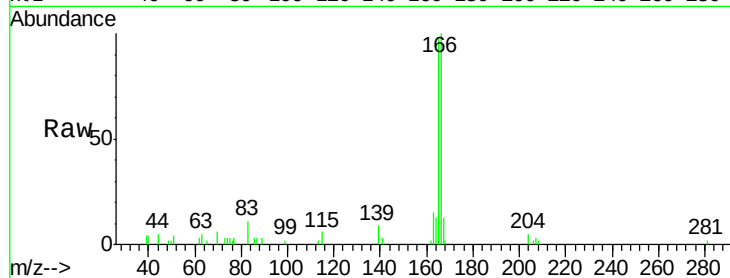
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	166	Resp:	30130
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.0	118.4
167	13.4	10.3	15.5

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#58

2,3,4,6-Tetrachlorophenol

Concen: 0.596 ng

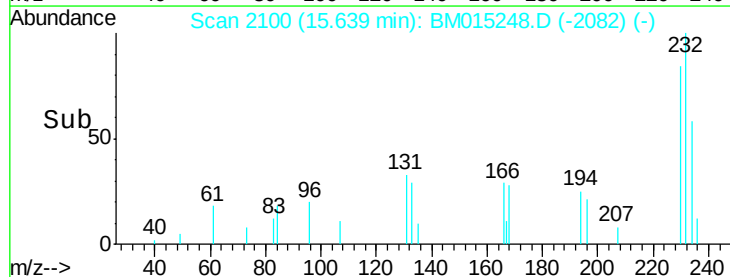
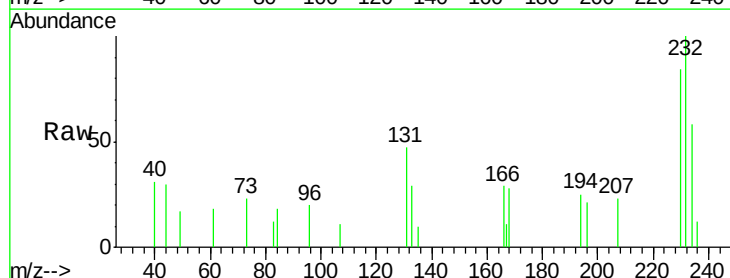
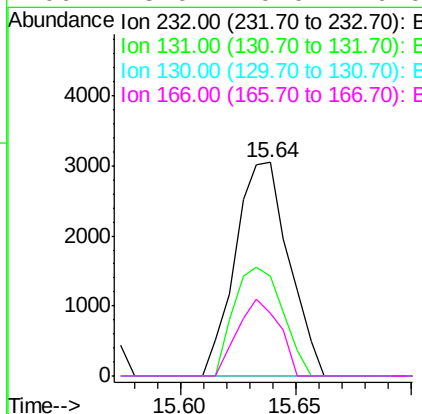
RT: 15.64 min Scan# 2100

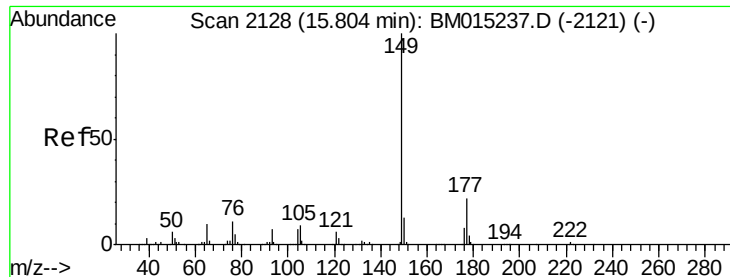
Delta R.T. 0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	232	Resp:	4918
Ion Ratio	Lower	Upper	
232	100		
131	46.5	0.0	0.0#
130	0.0	0.0	0.0
166	28.0	0.0	0.0#





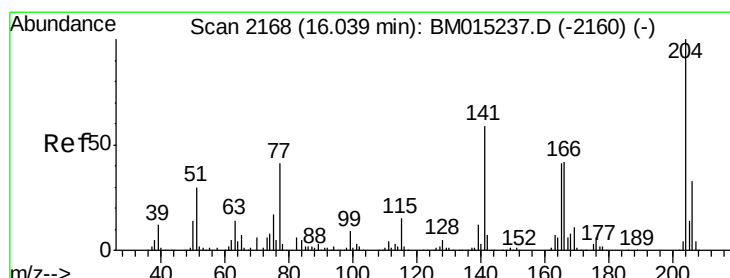
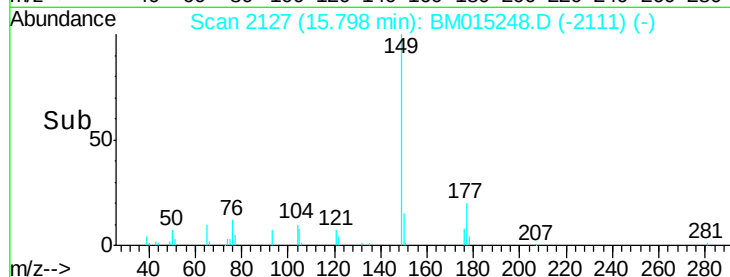
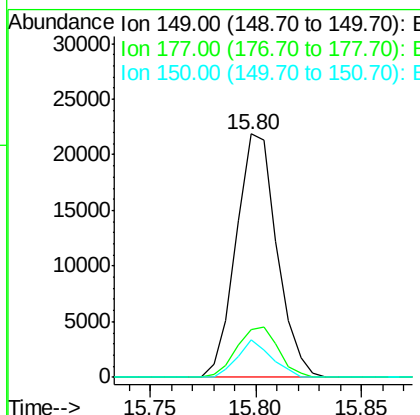
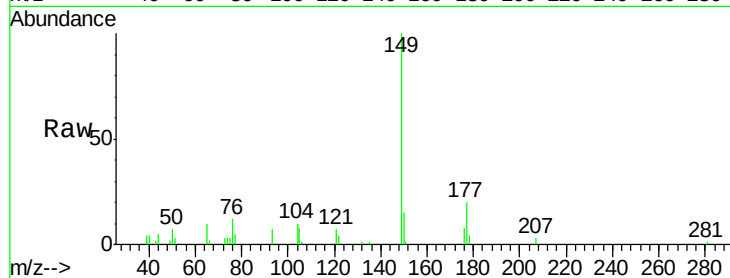
#59
Diethylphthalate
Concen: 0.885 ng
RT: 15.80 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	29327		
177	19.8	18.3	27.5	
150	15.3	9.8	14.8#	

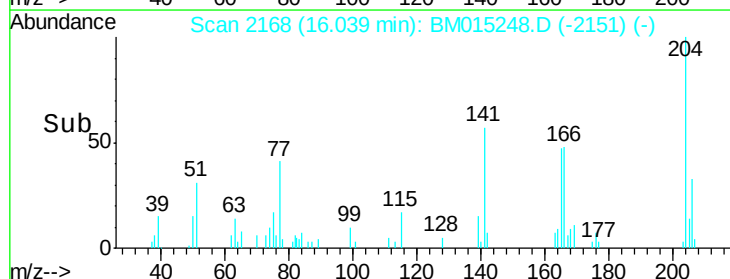
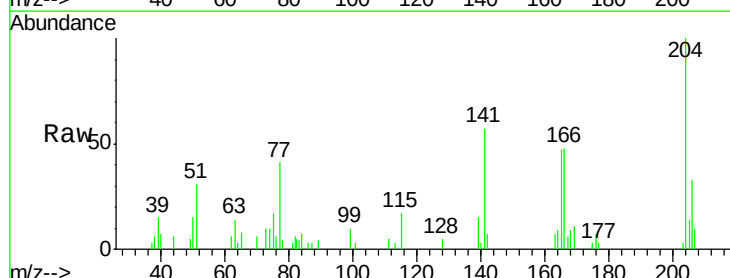
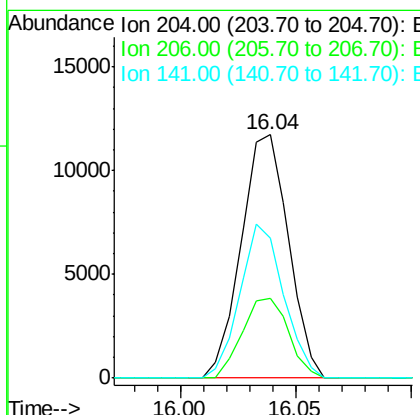
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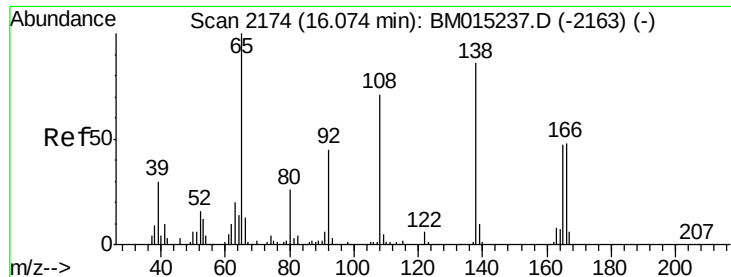
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 1.007 ng
RT: 16.04 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	16764		
206	32.8	26.6	39.8	
141	57.5	45.2	67.8	





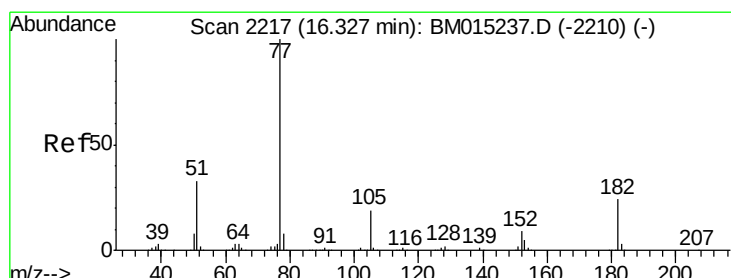
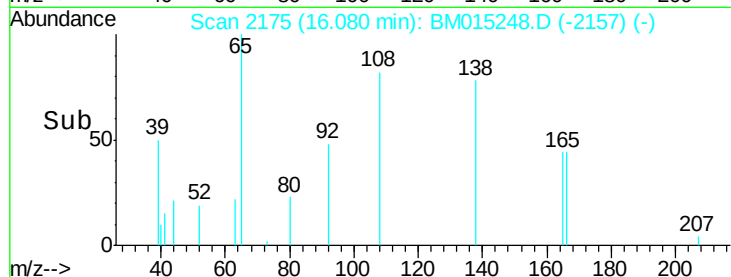
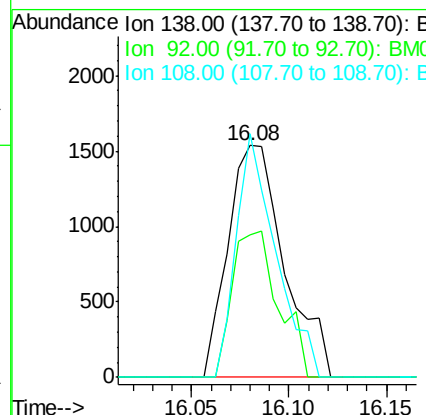
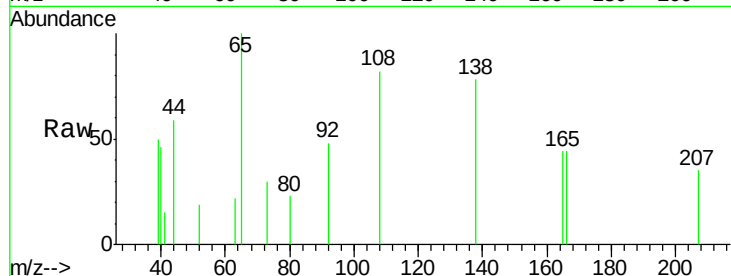
#61
4-Nitroaniline
Concen: 0.400 ng
RT: 16.08 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
138	100		
92	61.4	16.7	56.7#
108	105.1	37.6	77.6#

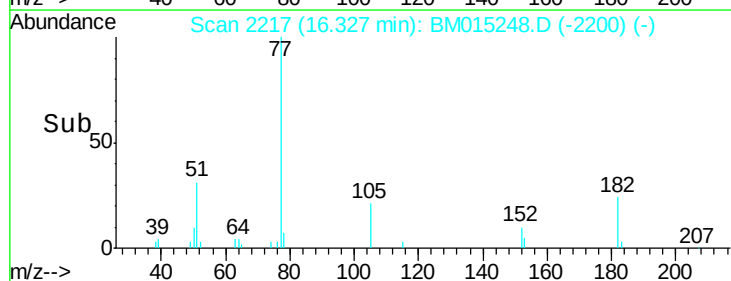
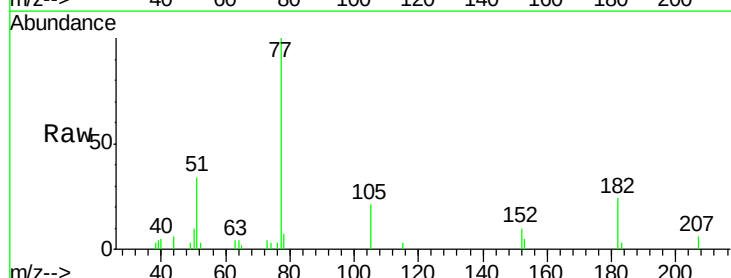
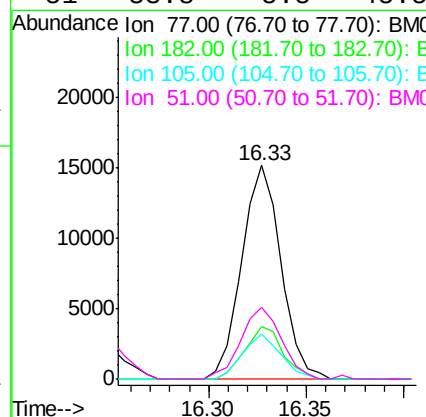
Manual Integrations
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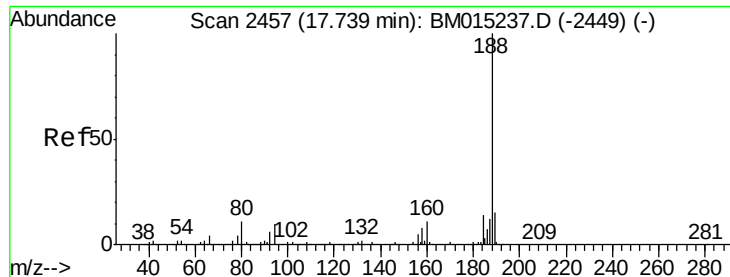
Sohil
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#62
Azobenzene
Concen: 0.670 ng
RT: 16.33 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.3	6.5	46.5
105	20.8	3.8	43.8
51	33.8	5.5	45.5





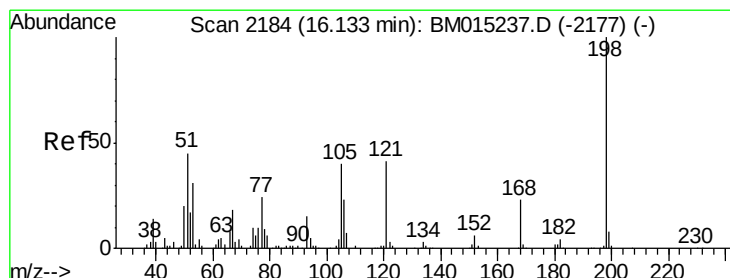
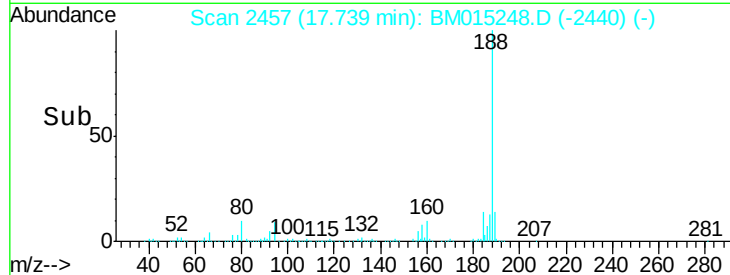
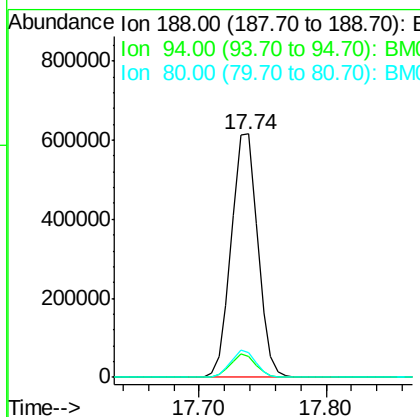
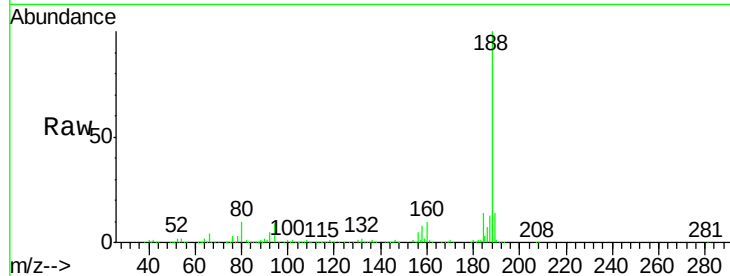
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.74 min Scan# 2457
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	889828		
94	8.7	8.7	13.1#	
80	10.1	9.3	13.9	

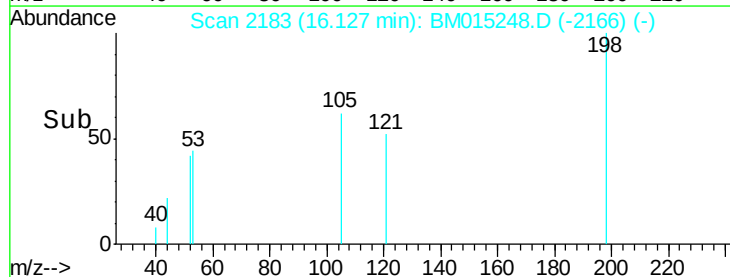
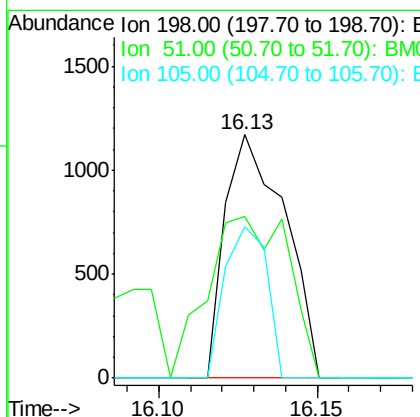
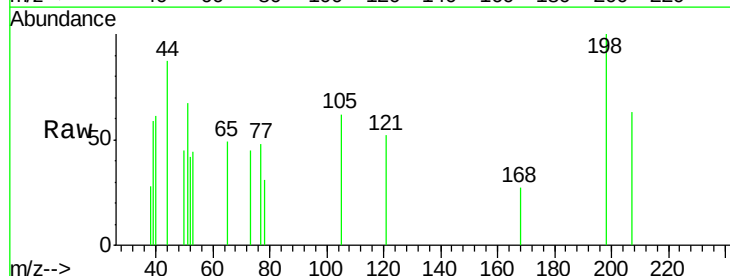
Manual Integrations
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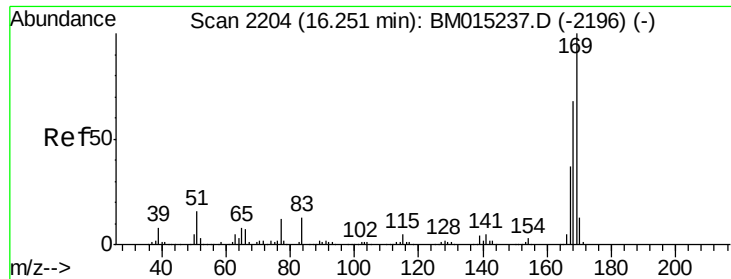
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 0.311 ng
RT: 16.13 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	1529		
51	66.6	28.8	68.8	
105	62.0	30.5	70.5	





#65

n-Nitrosodiphenylamine

Concen: 0.821 ng

RT: 16.25 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

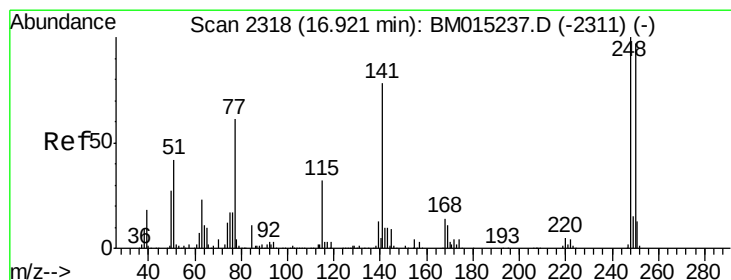
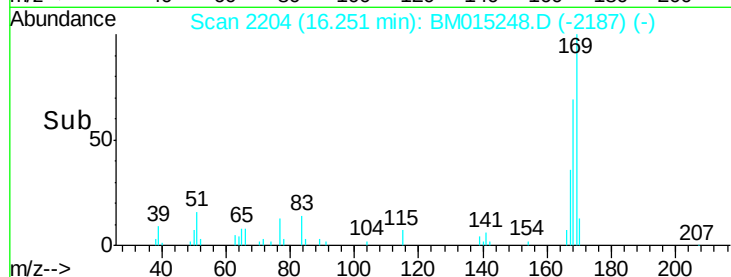
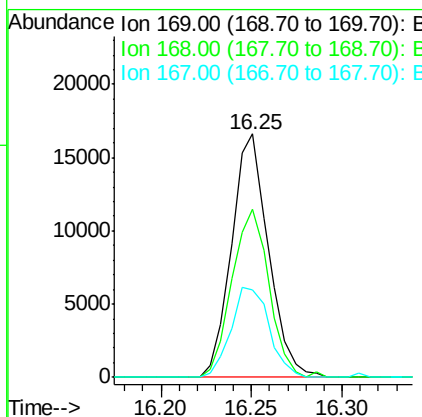
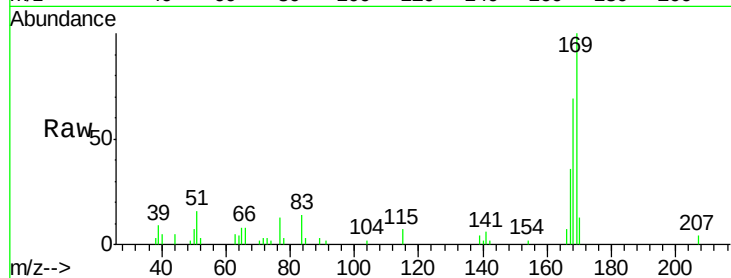
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	169	Resp:	23461
Ion Ratio	Lower	Upper	
169	100		
168	68.9	53.9	80.9
167	35.7	28.9	43.3

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#66

4-Bromophenyl-phenylether

Concen: 0.891 ng

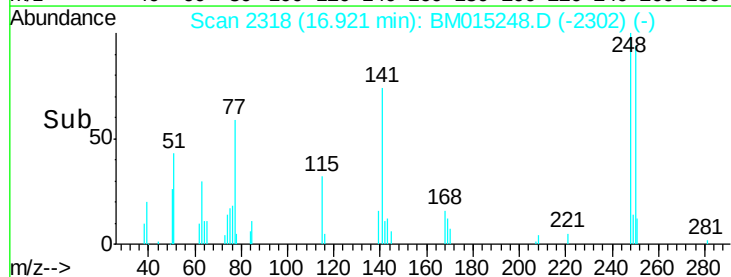
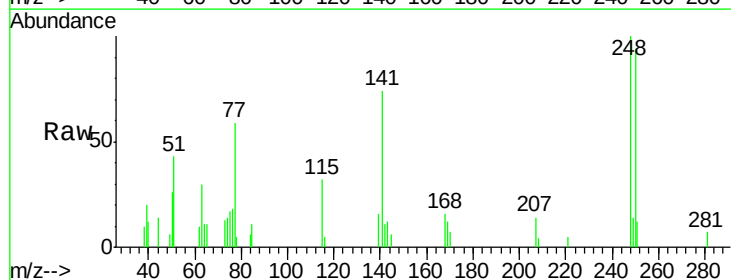
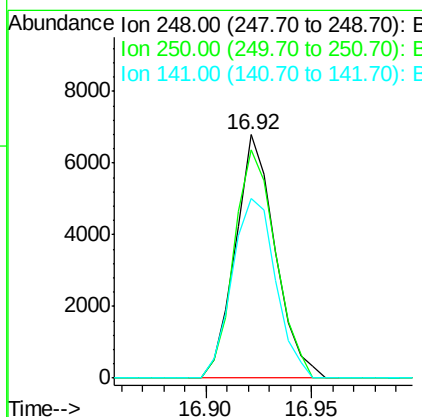
RT: 16.92 min Scan# 2318

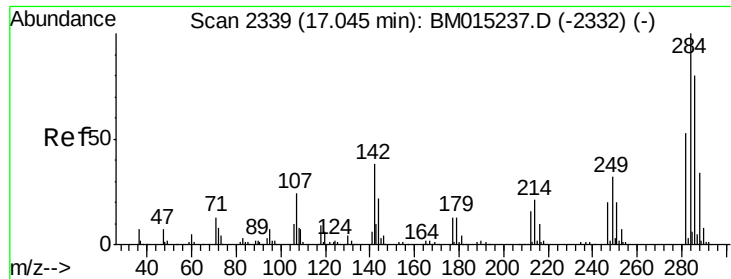
Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	248	Resp:	8859
Ion Ratio	Lower	Upper	
248	100		
250	93.5	77.4	116.0
141	73.6	45.2	67.8#





#67

Hexachlorobenzene

Concen: 0.982 ng

RT: 17.04 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

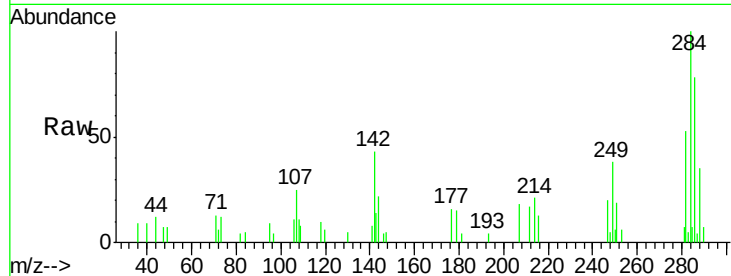
ClientSampleId :

MDL-SOIL-03-QT2-2018

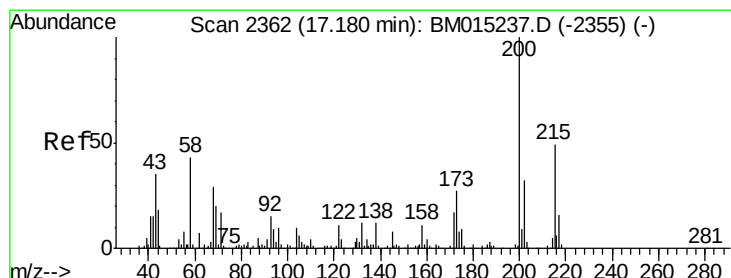
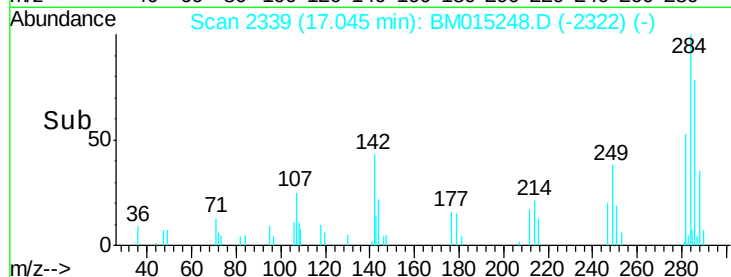
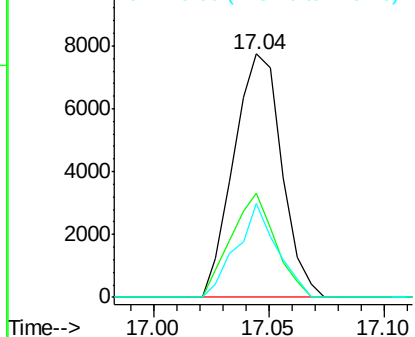
Tgt Ion:	284	Resp:	11247
Ion Ratio	Lower	Upper	
284	100		
142	42.8	20.4	30.6#
249	38.4	23.8	35.6#

Manual Integrations
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 0.505 ng

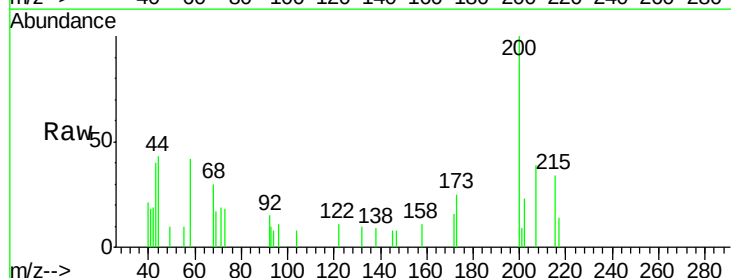
RT: 17.17 min Scan# 2361

Delta R.T. -0.01 min

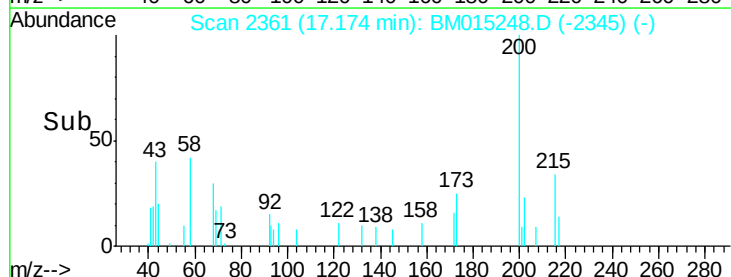
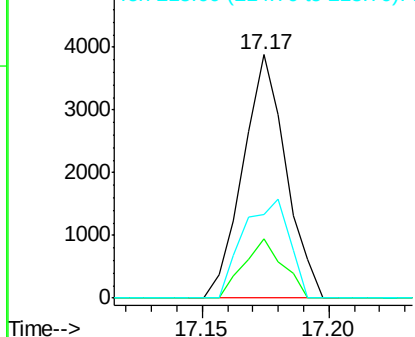
Lab File: BM015248.D

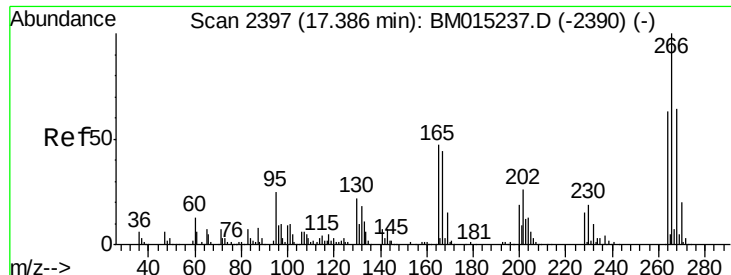
Acq: 22 May 2018 19:59

Tgt Ion:	200	Resp:	4583
Ion Ratio	Lower	Upper	
200	100		
173	24.5	4.8	44.8
215	34.2	26.9	66.9



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





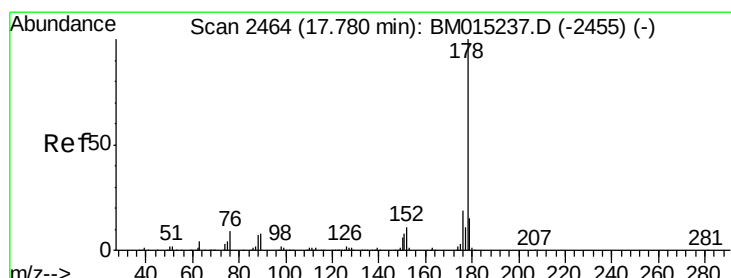
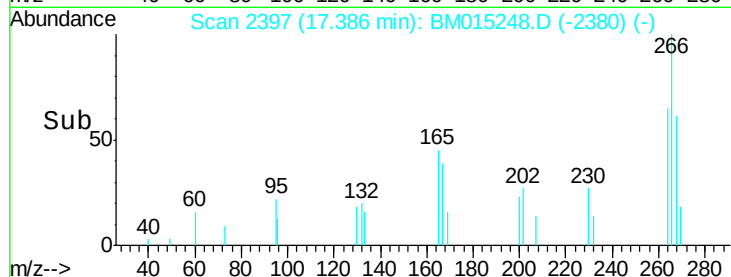
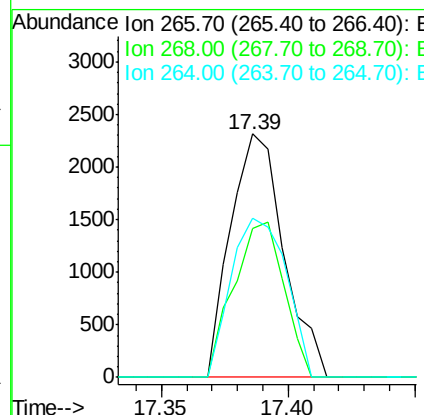
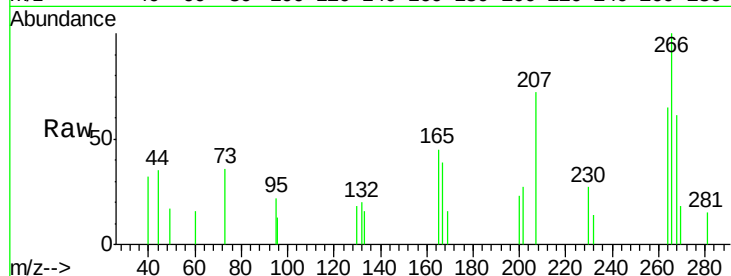
#69
 Pentachlorophenol
 Concen: 0.531 ng
 RT: 17.39 min Scan# 2397
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	3386		
268	61.1	52.0	78.0	
264	65.2	49.0	73.4	

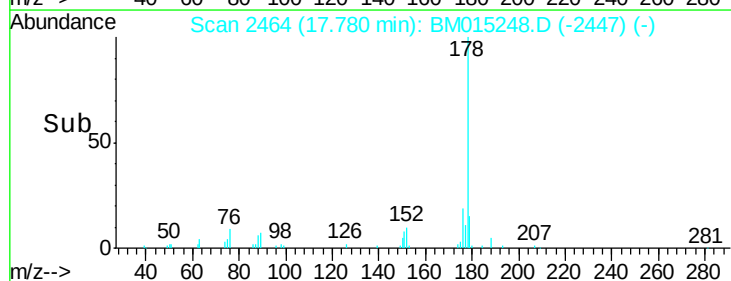
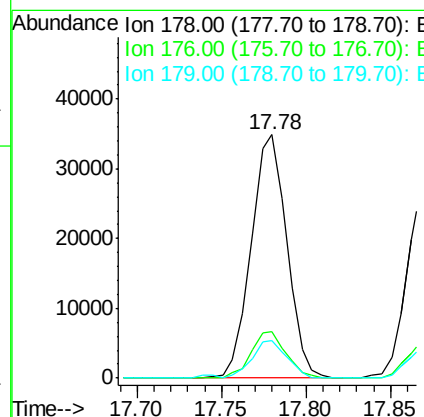
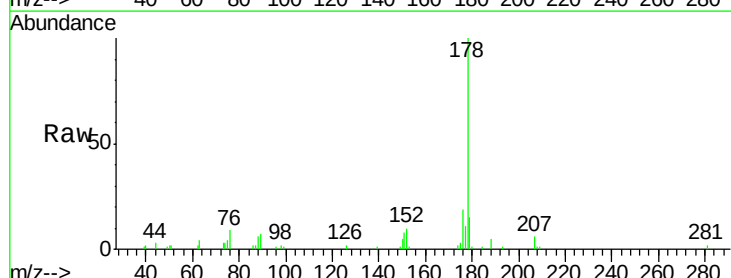
Manual Integrations
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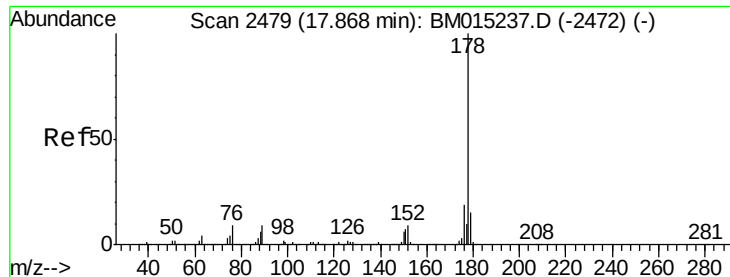
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#70
 Phenanthrene
 Concen: 1.013 ng
 RT: 17.78 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	51340		
176	19.0	15.2	22.8	
179	15.2	12.1	18.1	





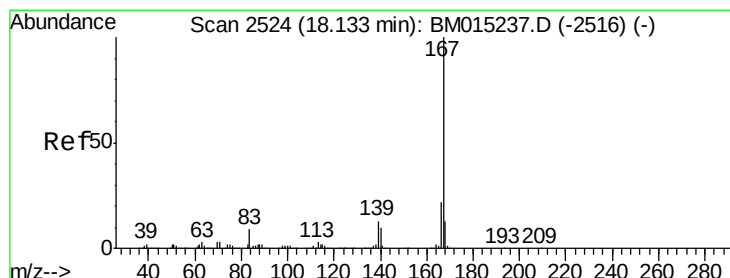
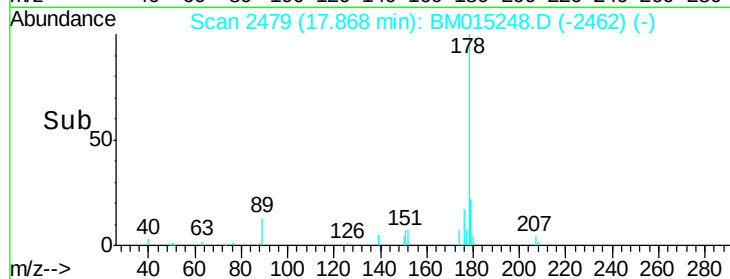
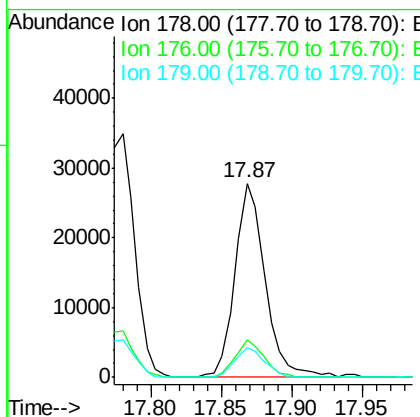
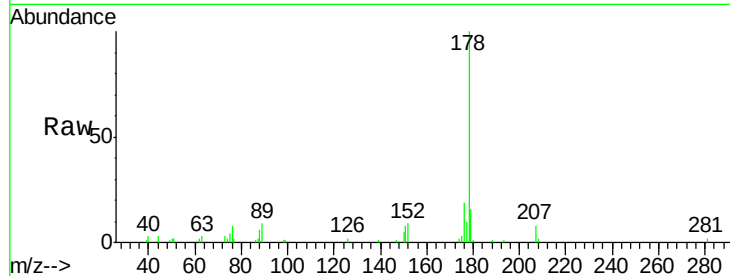
#71
 Anthracene
 Concen: 0.825 ng
 RT: 17.87 min Scan# 2479
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	22.0
179	15.5	12.6	19.0

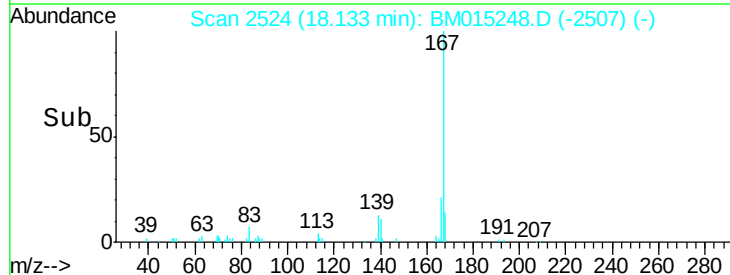
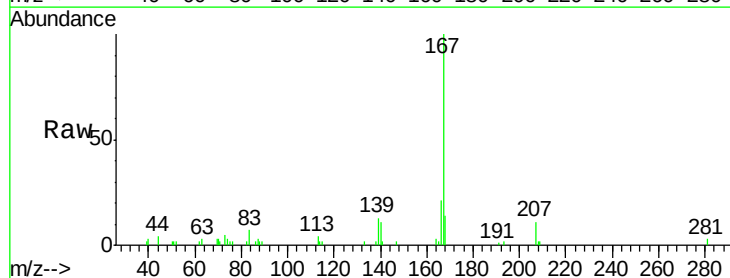
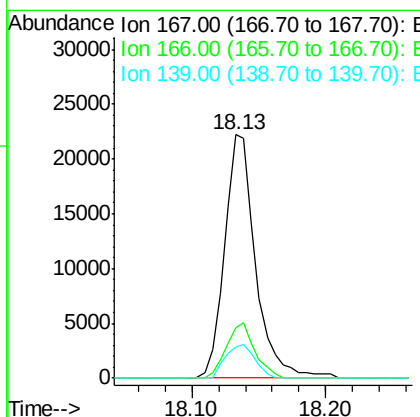
Manual Integrations
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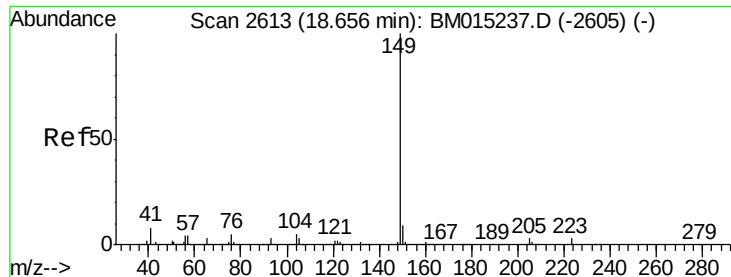
Sohil
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#72
 Carbazole
 Concen: 0.807 ng
 RT: 18.13 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.2	25.8
139	13.0	10.8	16.2





#73

Di-n-butylphthalate

Concen: 0.698 ng

RT: 18.65 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

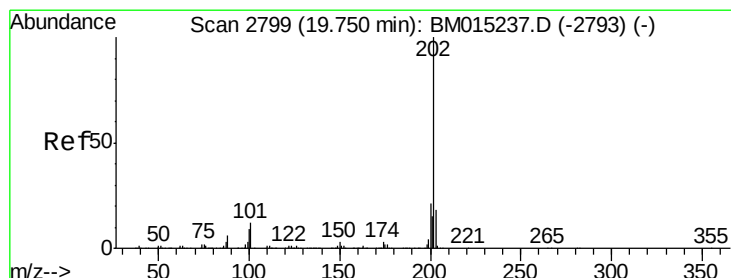
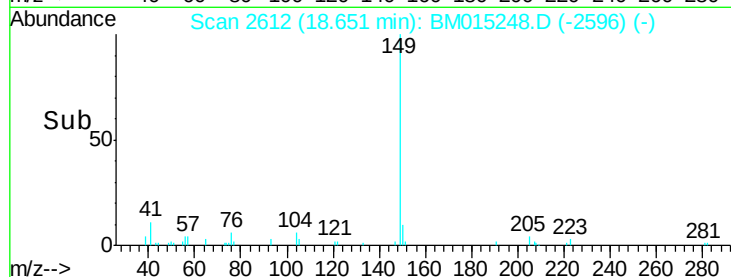
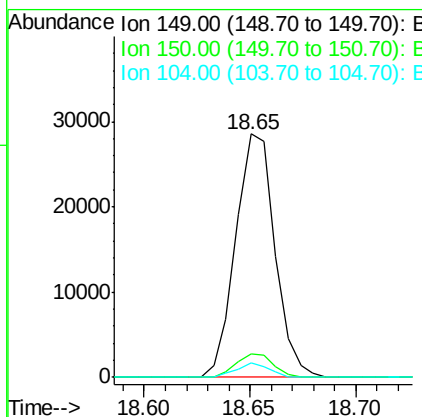
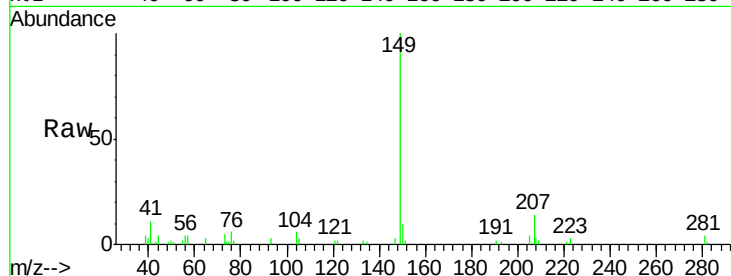
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	149	Resp:	36781
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.5	11.3
104	5.8	3.7	5.5#

Manual Integrations
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#74

Fluoranthene

Concen: 0.856 ng

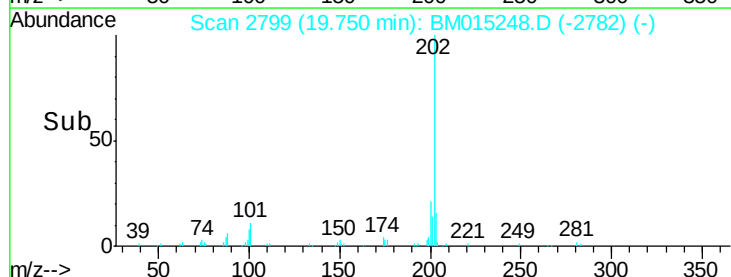
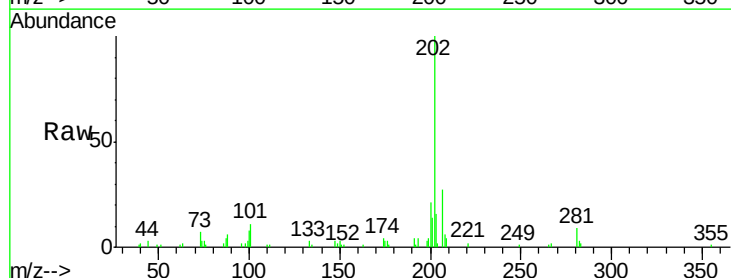
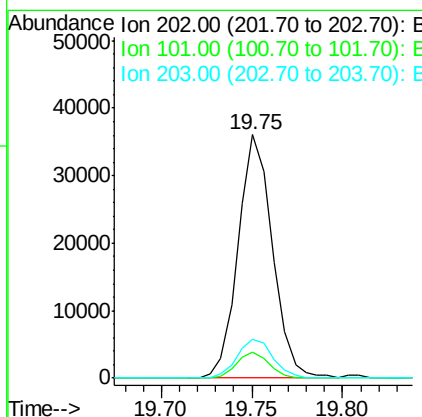
RT: 19.75 min Scan# 2799

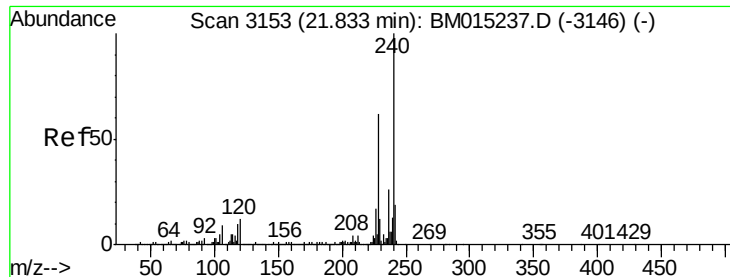
Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	202	Resp:	47584
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	28.7
203	16.1	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

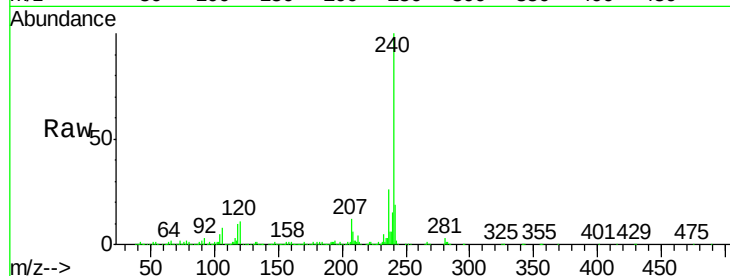
ClientSampleId :

MDL-SOIL-03-QT2-2018

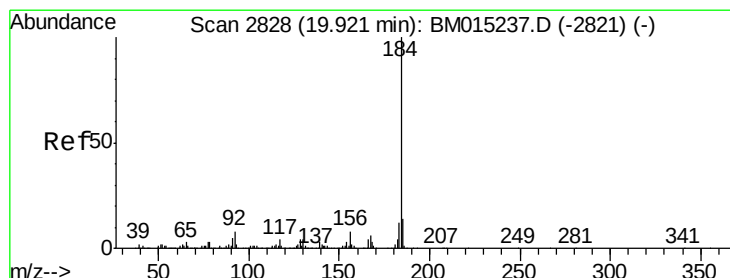
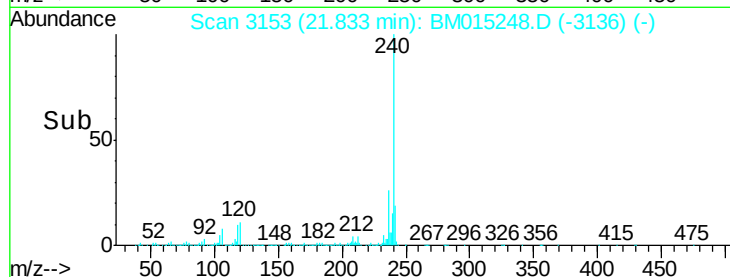
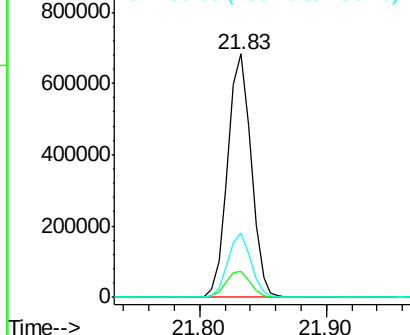
Tgt Ion:	240	Resp:	873111
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.2	12.2
236	26.2	20.0	30.0

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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



#76

Benzidine

Concen: 0.420 ng

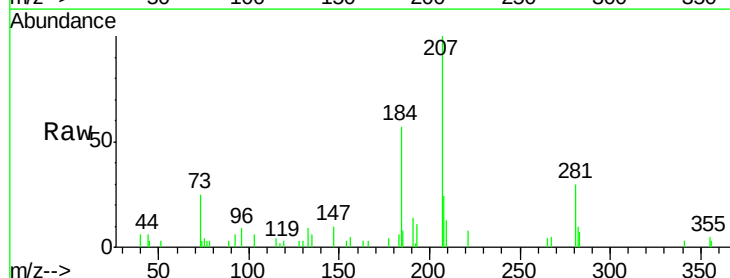
RT: 19.92 min Scan# 2828

Delta R.T. -0.00 min

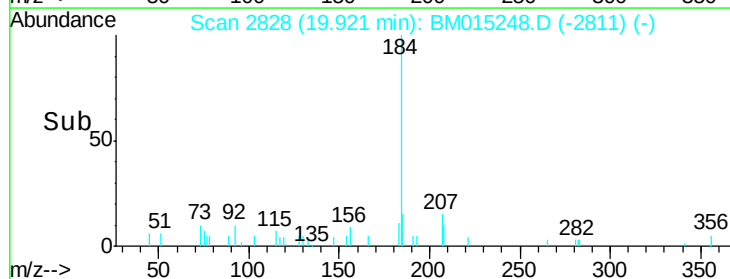
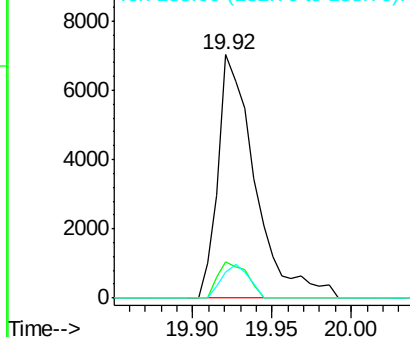
Lab File: BM015248.D

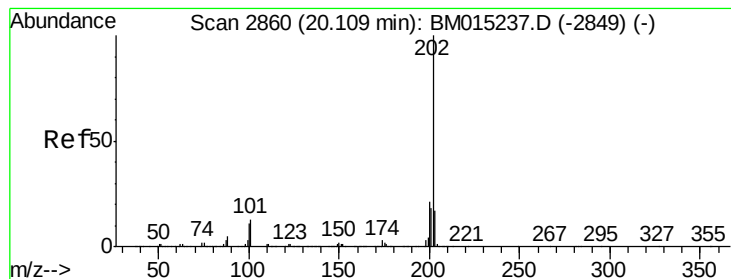
Acq: 22 May 2018 19:59

Tgt Ion:	184	Resp:	11472
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.3	16.9
183	10.9	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





#77

Pyrene

Concen: 0.942 ng

RT: 20.11 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Instrument :

BNA_M

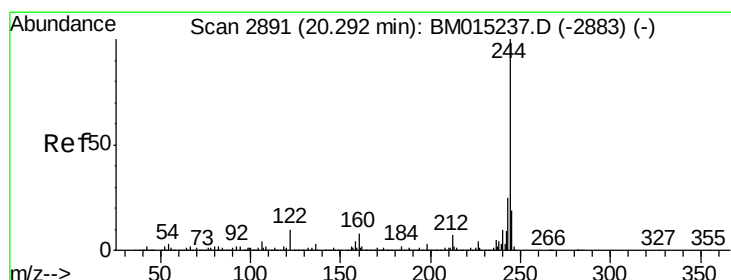
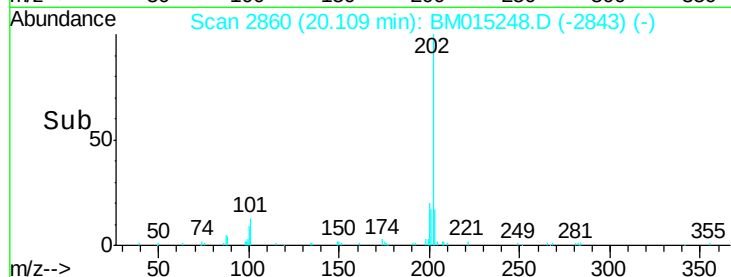
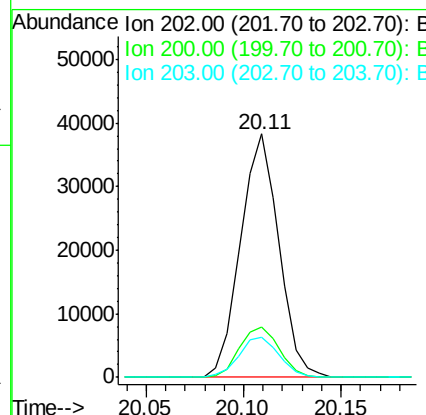
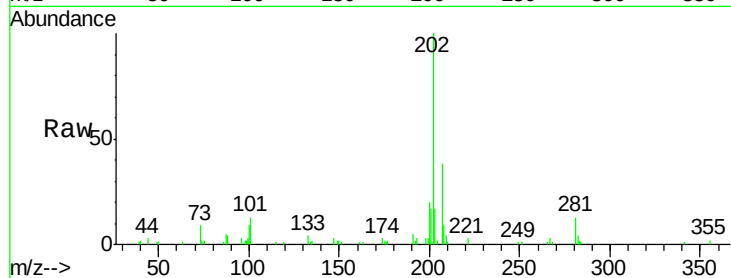
ClientSampleId :

MDL-SOIL-03-QT2-2018

Tgt Ion:	202	Resp:	51918
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	16.7	14.1	21.1

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#78

Terphenyl-d14

Concen: 92.000 ng

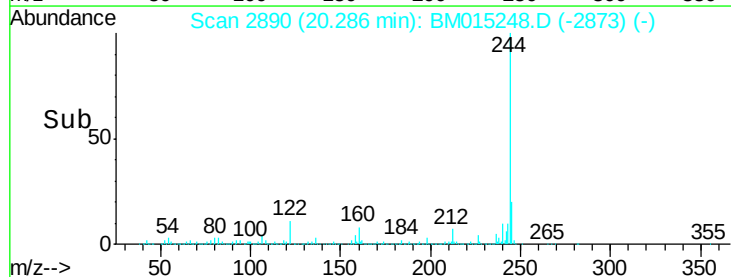
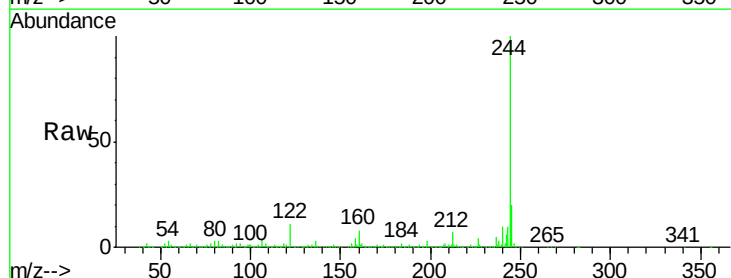
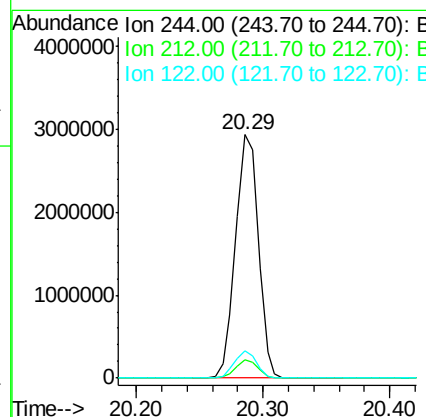
RT: 20.29 min Scan# 2890

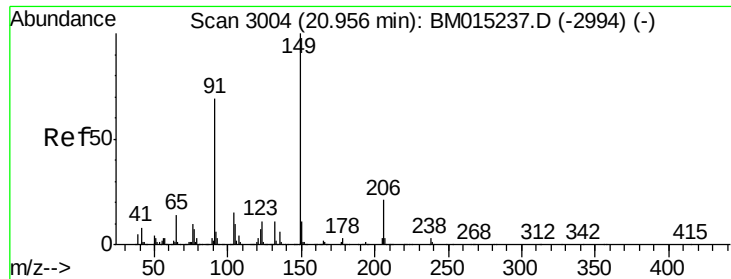
Delta R.T. -0.00 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	244	Resp:	3637619
Ion Ratio	Lower	Upper	
244	100		
212	7.4	4.9	7.3#
122	11.2	6.2	9.4#





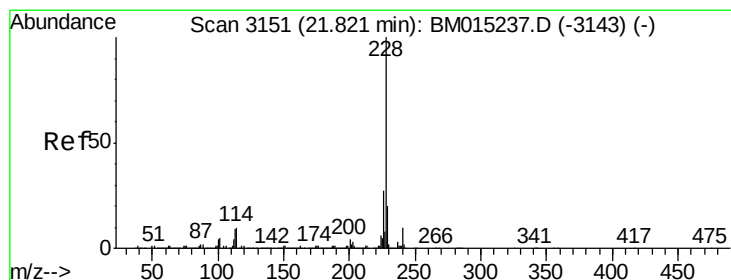
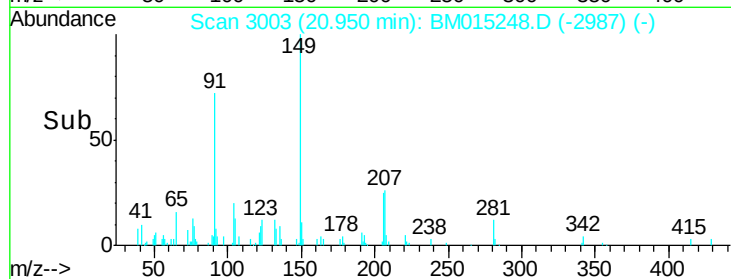
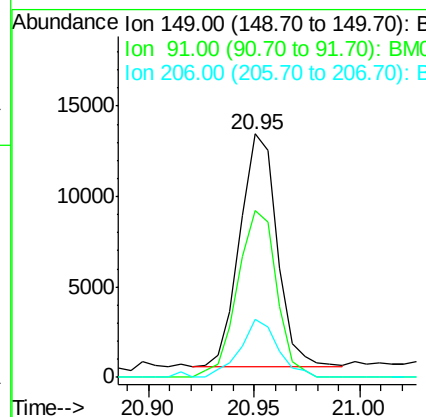
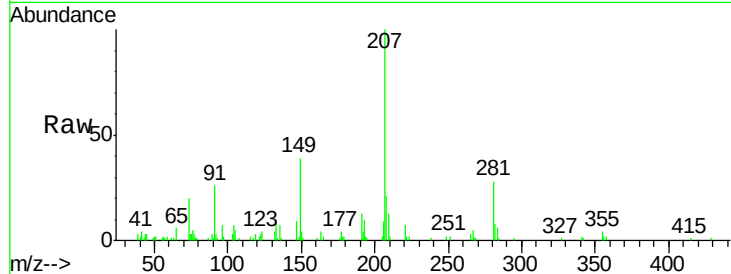
#79
Butylbenzylphthalate
Concen: 0.694 ng
RT: 20.95 min Scan# 3003
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.5	50.1	75.1
206	23.6	16.2	24.2

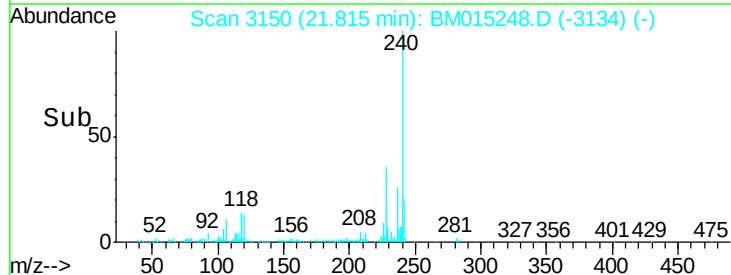
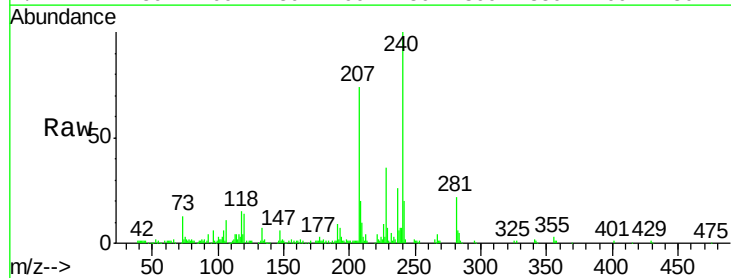
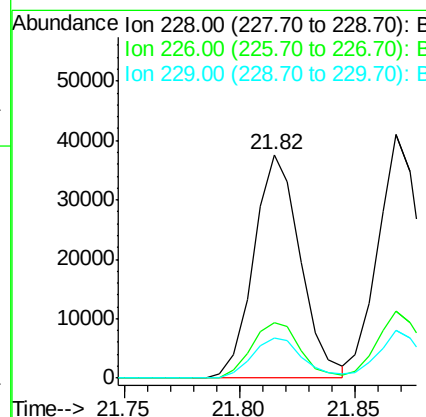
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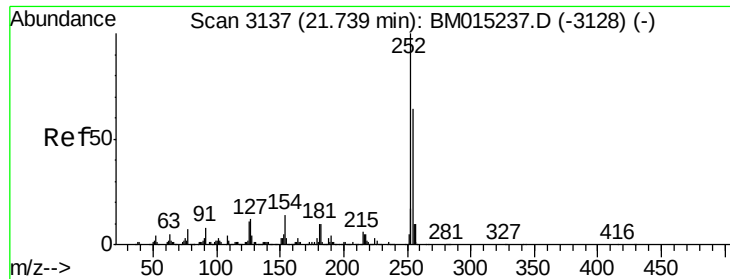
Sohil
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#80
Benzo(a)anthracene
Concen: 0.961 ng
RT: 21.82 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	21.7	32.5
229	18.2	16.0	24.0





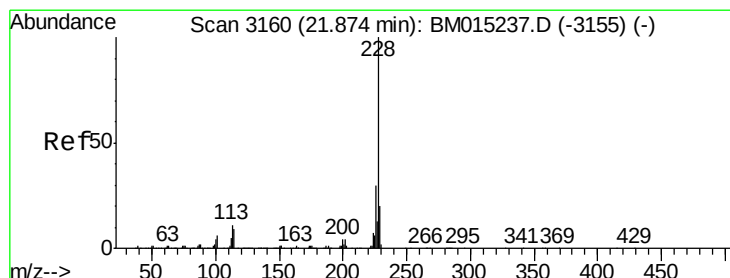
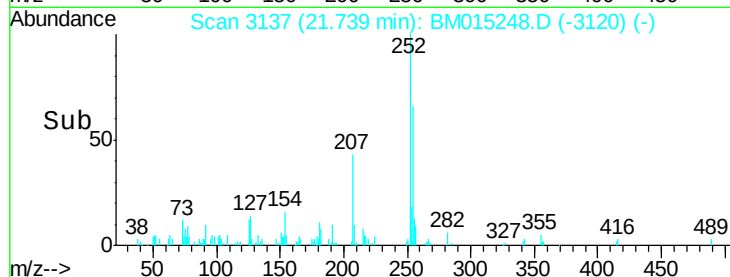
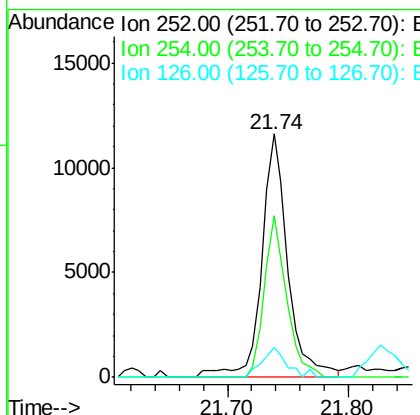
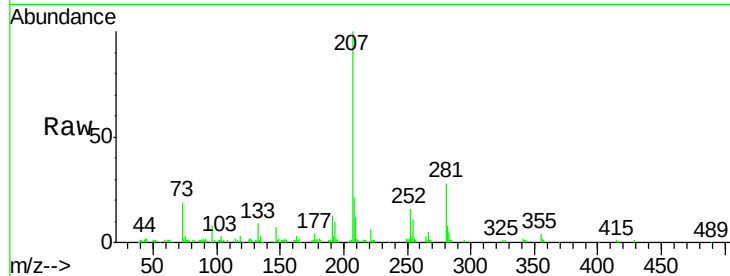
#81
 3,3'-Dichlorobenzidine
 Concen: 0.853 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.5	51.9	77.9
126	12.3	9.8	14.8

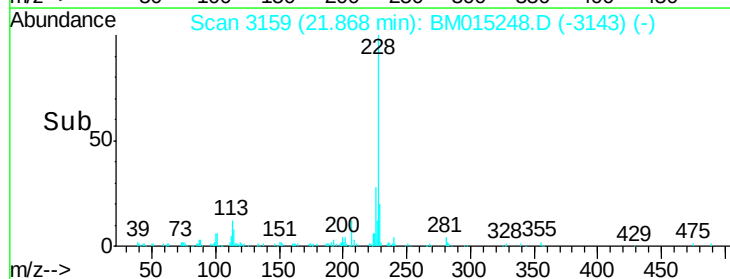
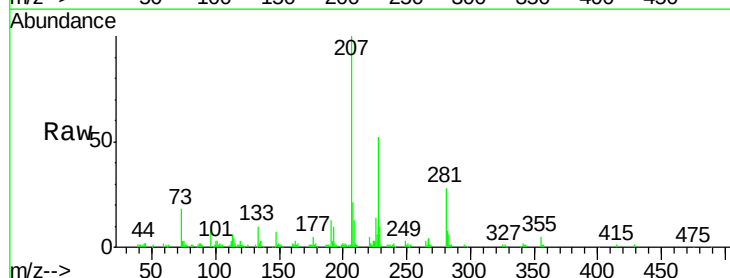
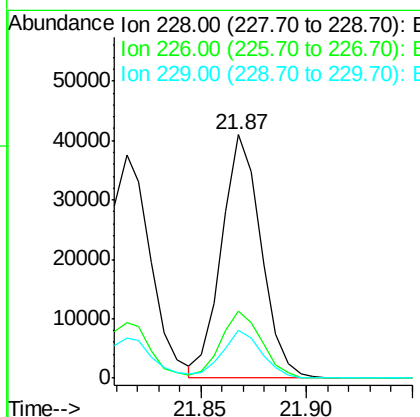
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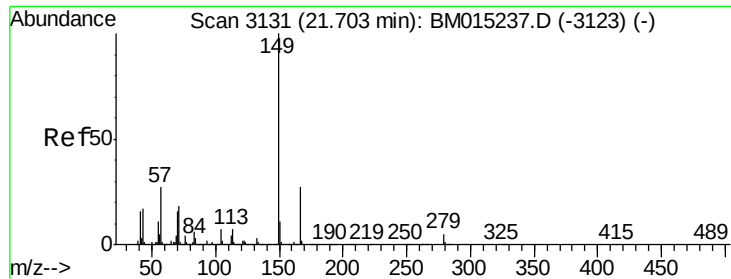
Sohil
 5/23/2018 3:21:49 PM



#82
 Chrysene
 Concen: 1.023 ng
 RT: 21.87 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	24.1	36.1
229	19.9	15.5	23.3





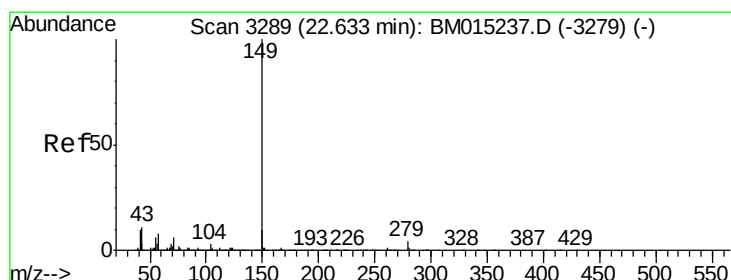
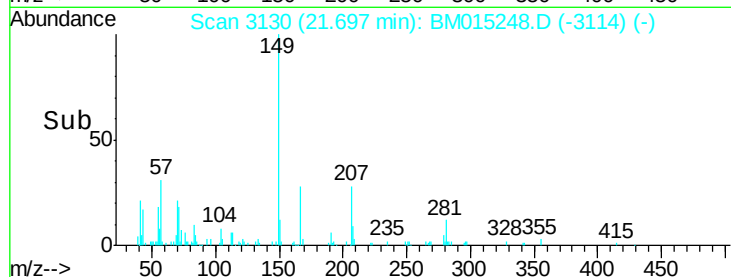
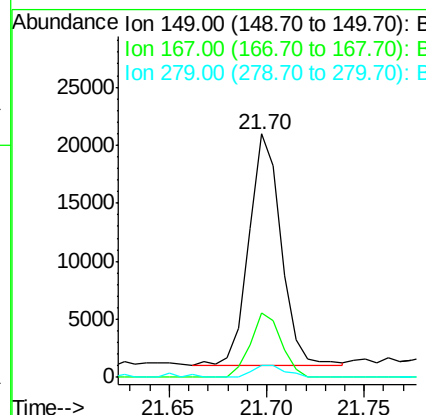
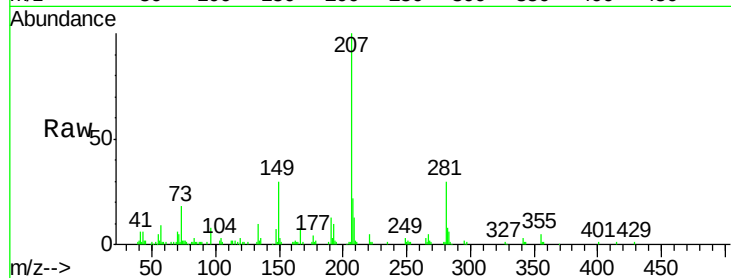
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.691 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	22607		
167	26.3	22.4	33.6	
279	5.1	3.4	5.0#	

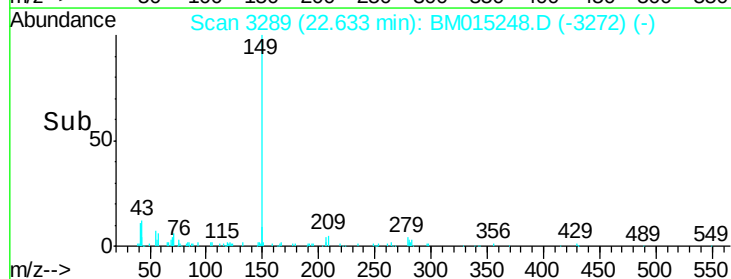
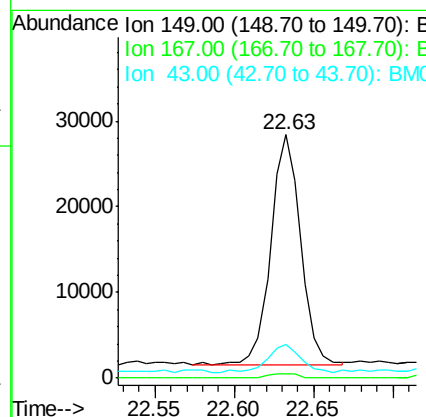
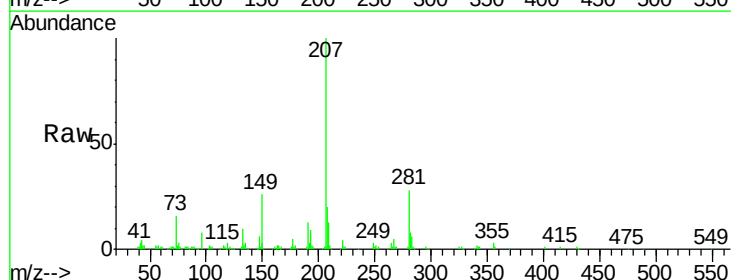
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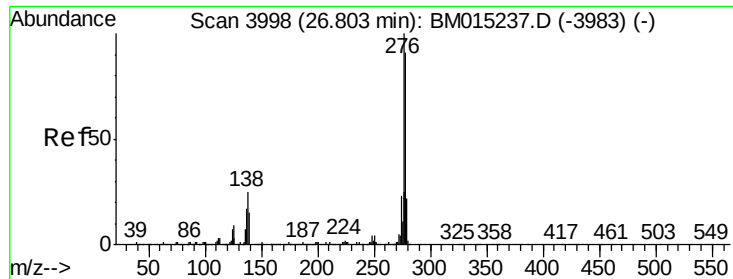
Sohil
 5/23/2018 3:21:49 PM



#84
 Di-n-octyl phthalate
 Concen: 0.622 ng
 RT: 22.63 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BM015248.D
 Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	35623		
167	2.0	1.2	1.8#	
43	13.1	7.3	10.9#	





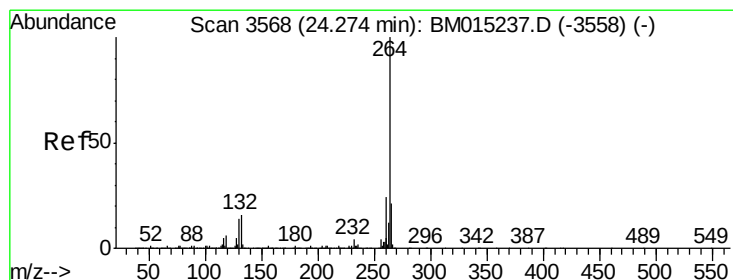
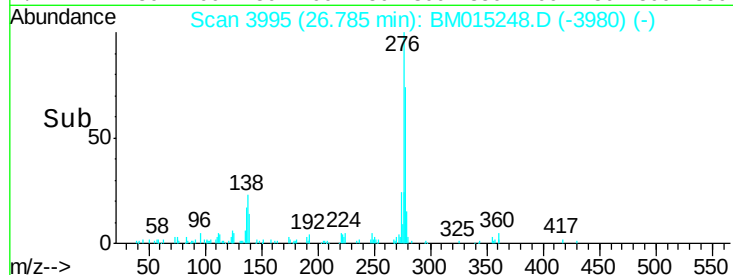
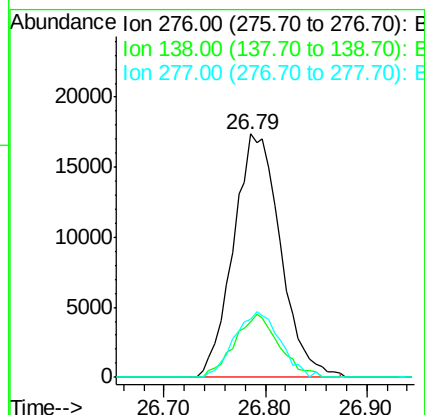
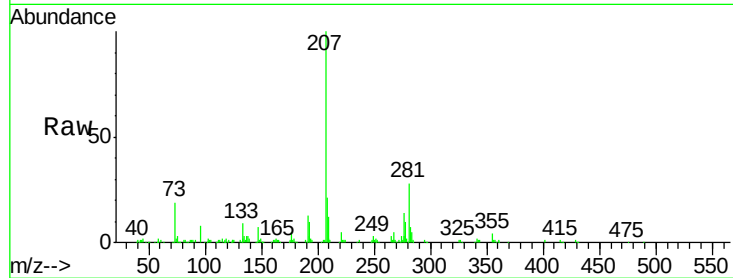
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.892 ng
RT: 26.79 min Scan# 3995
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	12.0	18.0#
277	26.1	20.0	30.0

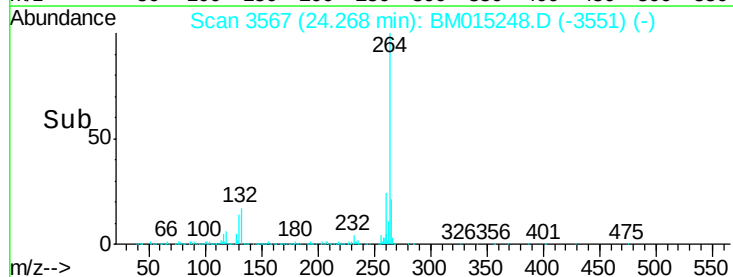
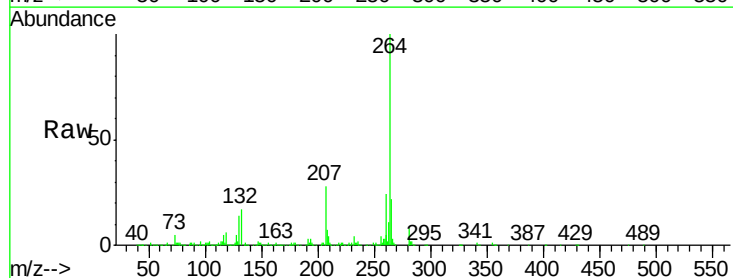
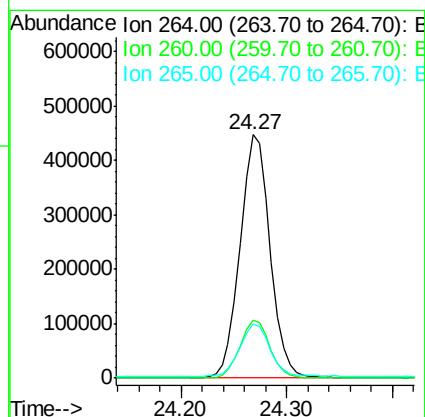
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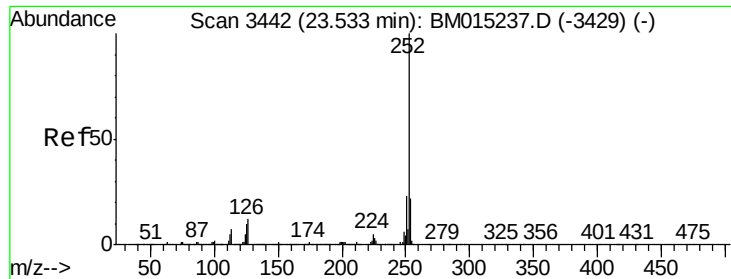
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.0	17.3	25.9





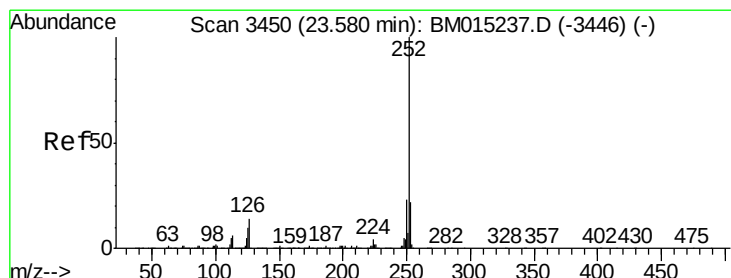
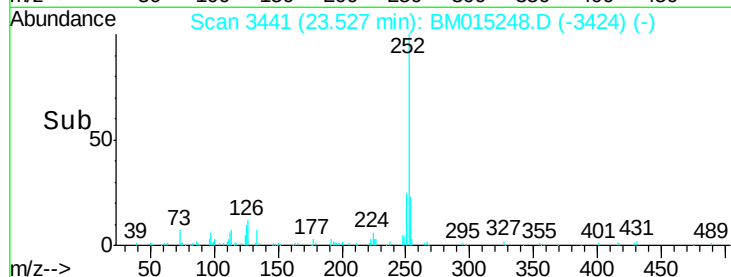
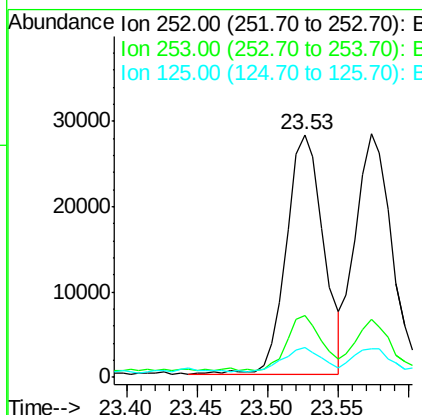
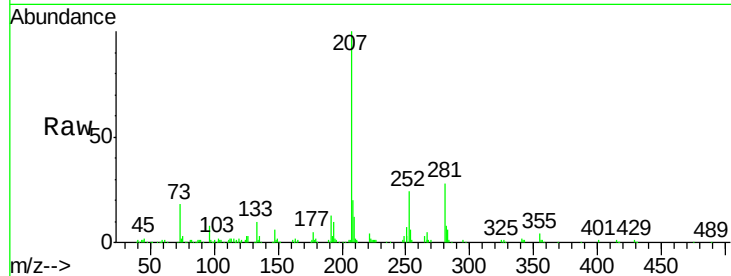
#87
Benzo(b)fluoranthene
Concen: 0.922 ng
RT: 23.53 min Scan# 3441
Delta R.T. -0.00 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	12.2	9.9	14.9

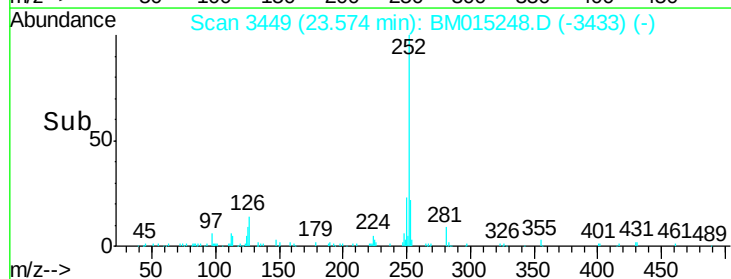
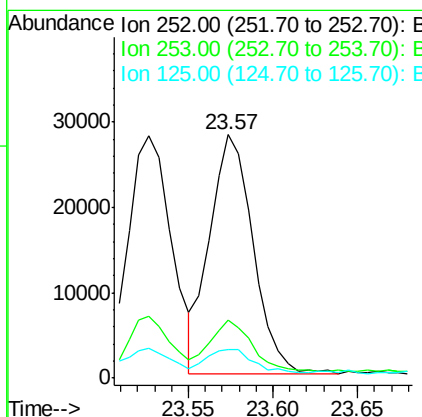
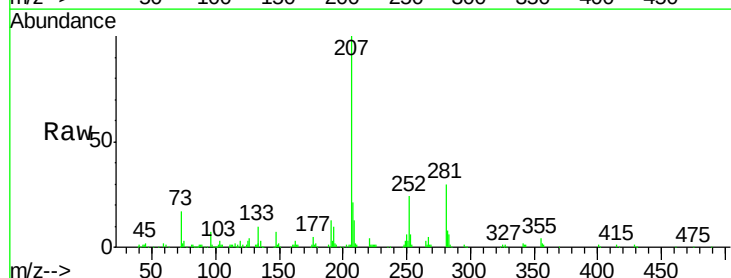
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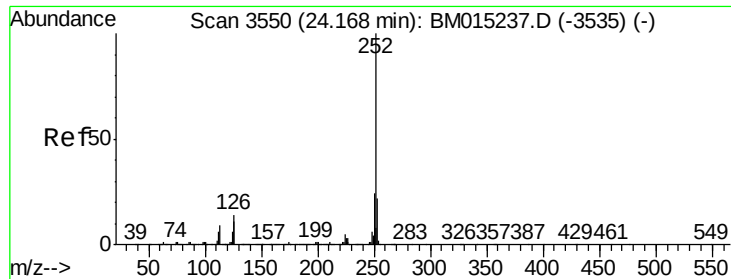
Sohil
5/23/2018 3:21:49 PM



#88
Benzo(k)fluoranthene
Concen: 0.957 ng
RT: 23.57 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	11.5	8.1	12.1





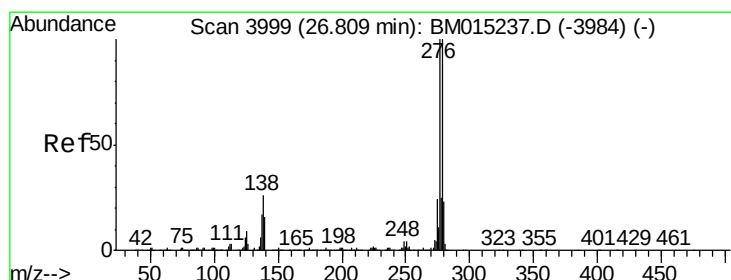
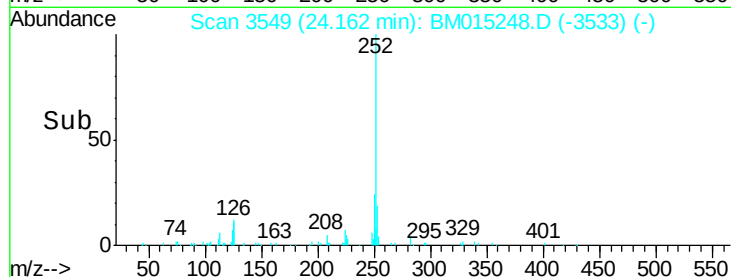
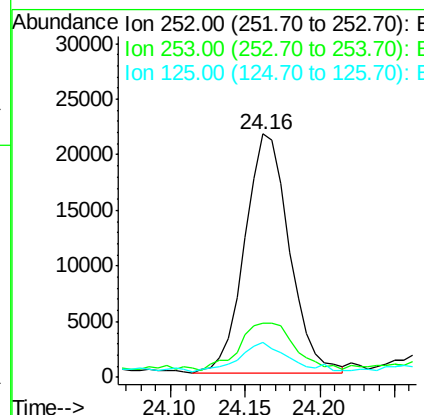
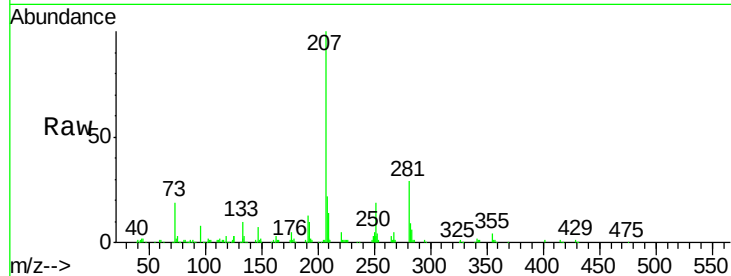
#89
Benzo(a)pyrene
Concen: 0.856 ng
RT: 24.16 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	14.5	7.4	11.2

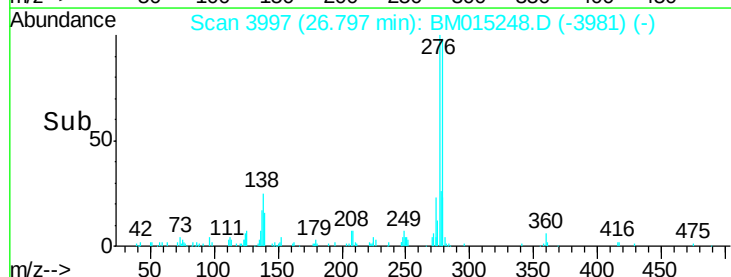
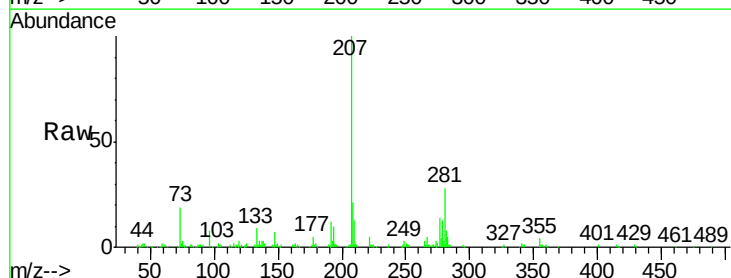
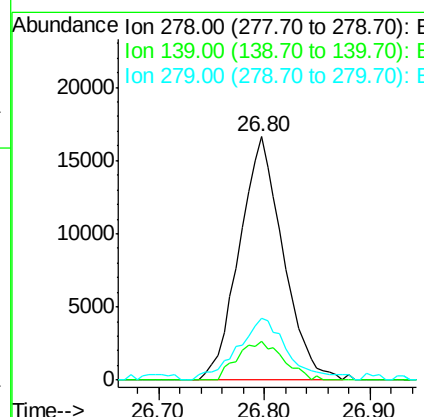
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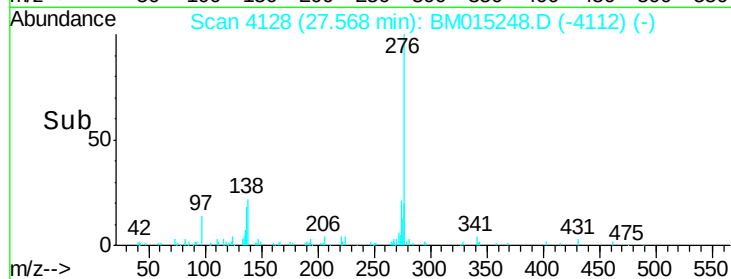
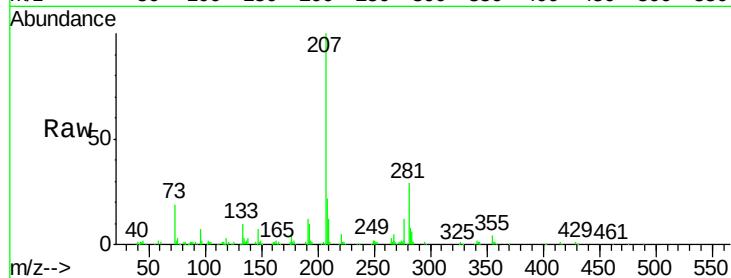
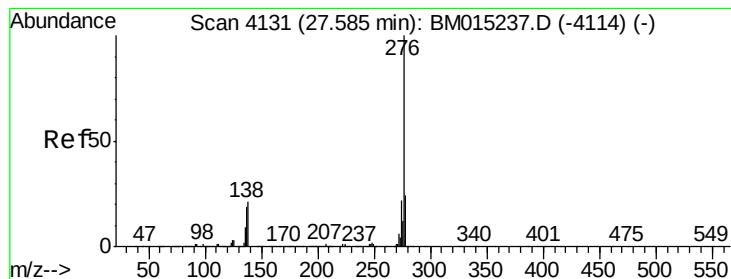
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 0.898 ng
RT: 26.80 min Scan# 3997
Delta R.T. -0.01 min
Lab File: BM015248.D
Acq: 22 May 2018 19:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.4	20.0
279	25.4	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 0.930 ng

RT: 27.57 min Scan# 4128

Delta R.T. -0.01 min

Lab File: BM015248.D

Acq: 22 May 2018 19:59

Tgt Ion:	276	Resp:	48057
Ion Ratio	Lower	Upper	
276	100		
277	20.1	18.5	27.7
138	22.4	19.0	28.6

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2018

Manual Integrations
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